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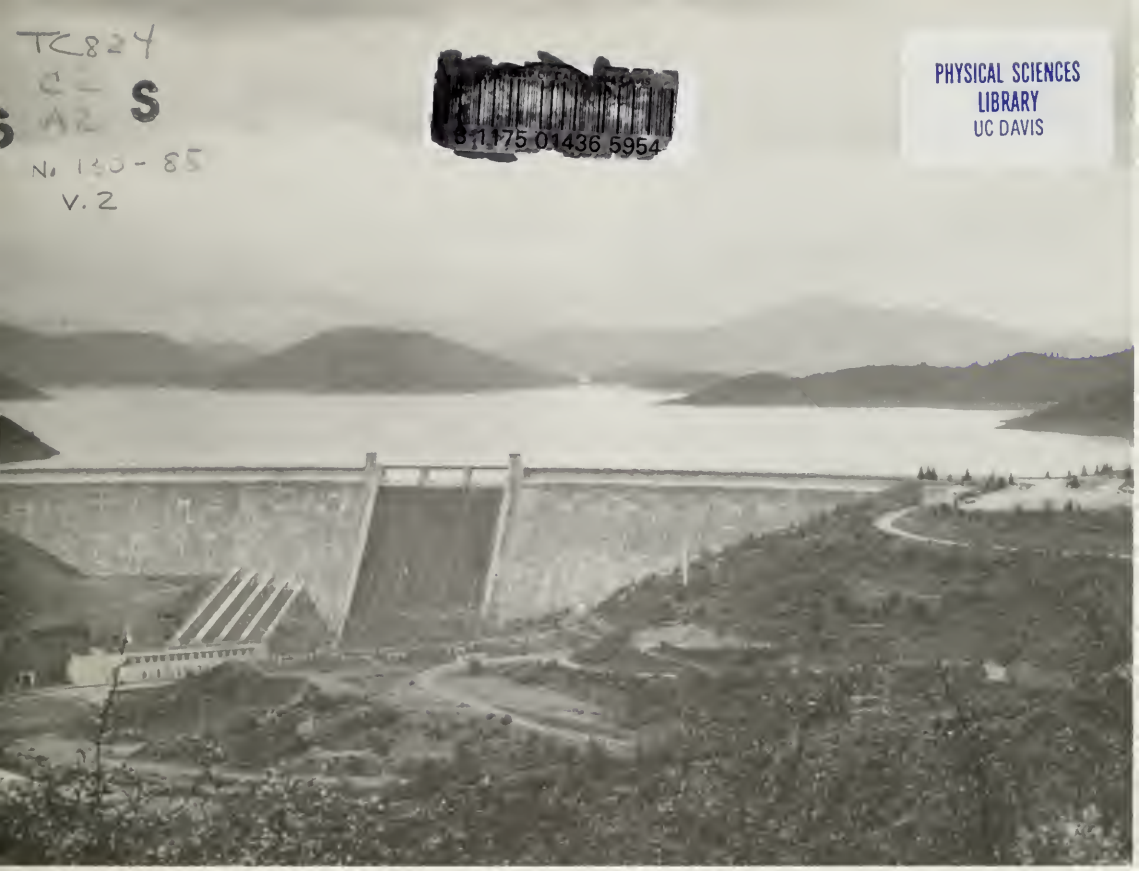

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Bulletin 130-85
May 1988

HYDROLOGIC DATA 1985
Volume II: Northeastern California

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Department of
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Bulletin 130-85

HYDROLOGIC DATA 1985

Volume II:
Northeastern California

May 1988

UNIVERSITY OF CALIFORNIA
JAN 29 1990

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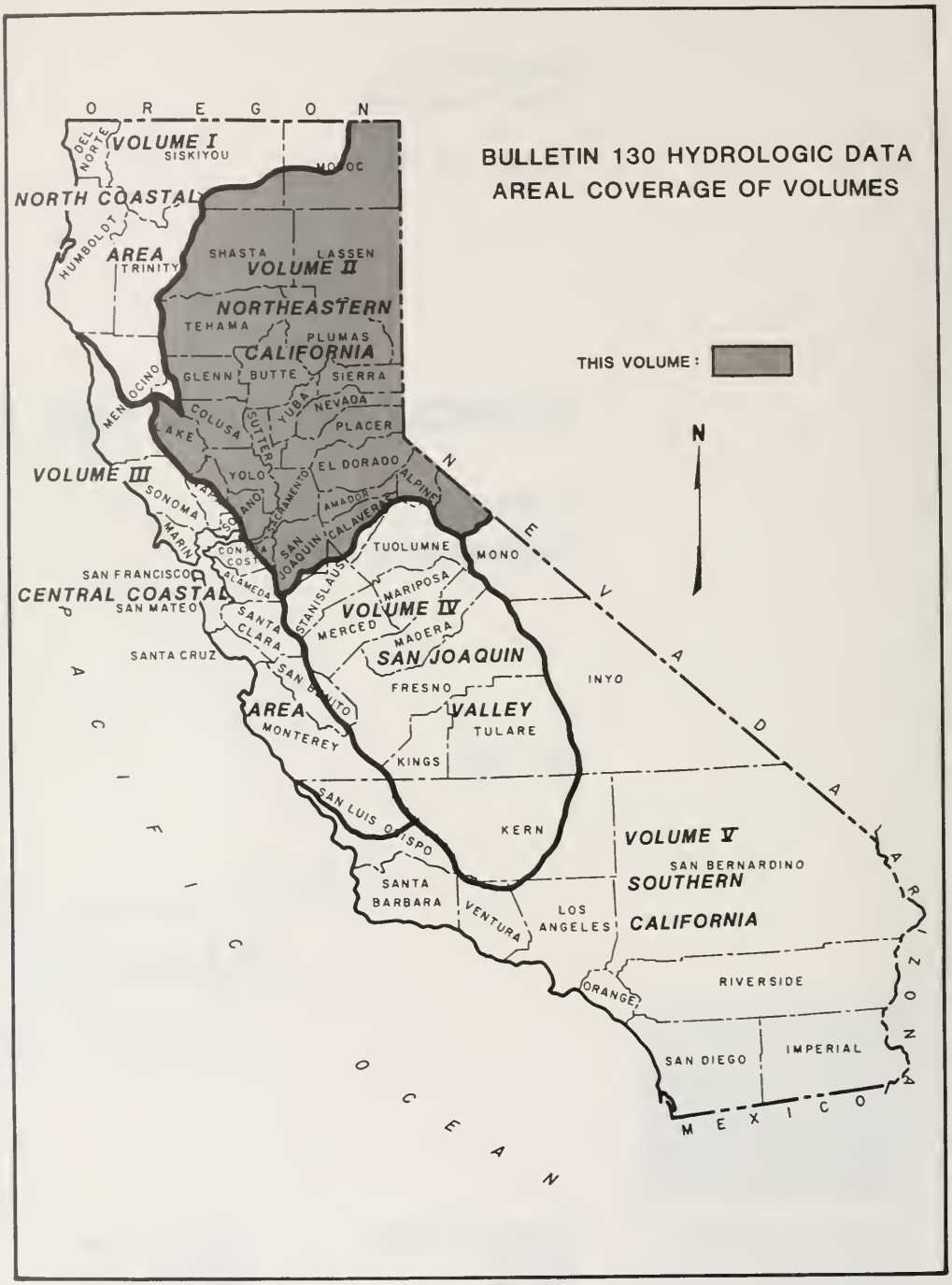
BULLETIN 130 HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES
THIS VOLUME:
N
O R E G O N
VOLUME I
NORTH COASTAL
AREA
VOLUME II
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VOLUME III
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SANTA BARBARA
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LOS ANGELES
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SAN DIEGO
IMPERIAL

FOREWORD

Department of Water Resources' Bulletin 130 series, which presents hydrologic data for California, was published annually from 1963 to 1975. The series was discontinued with the advent of the storage and retrieval of hydrologic data by electronic data processing methods. However, continued interest in the series prompts resumption of publication.

The first in the resumed series is Bulletin 130-85. It contains hydrologic data for the 1985 water year (October 1, 1984 through September 30, 1985). The Bulletin is published in five volumes, each of which reports on one of the five areas of the State delineated on the facing map. This volume covers Northeastern California.

The data collection program of the Department of Water Resources supplements similar activities by other agencies to obtain the information required for effective water resources planning, design and operation of water facilities, and for control and management of the State's water resources.

David N. Kennedy, Director
Department of Water Resources

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City of Colusa
City of Dunsmuir

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National Park Service
National Weather Service

Orland Unit Water Users Association
Pacific Gas and Electric Company
Pacific Power
Paradise Fire Department
Police Department, City of Williams
Reclamation District 1500
Reclamation District 1660
Sacramento County
Sacramento Municipal Utility District
San Joaquin County
Solano Irrigation District
Stockton—East Water District

South Sutter Water District
Sutter County
U. S. Army Corps of Engineers
U. S. Bureau of Reclamation
U. S. Fish and Wildlife Service
U. S. Forest Service
U. S. Soil Conservation Service
Western Water District
Yolo County
Yuba County

INTRODUCTION

Bulletin 130-85 presents data on the quantity and quality of California's water resources for the water year October 1, 1984 through September 30, 1985. These data were collected by the Department of Water Resources and other organizations cooperating with the Department. The data are published in five volumes (for areal coverage of volumes see page ii). This volume encompasses Northeastern California. Each volume contains data presented in five appendixes as follows:

Appendix	Subject
A	Precipitation Measurements
B	Surface Water Measurements
C	Surface Water Quality
D	Ground Water Measurements
E	Ground Water Quality

Inquiries regarding the data in this publication should be directed to the offices of the Department of Water Resources listed inside the back cover. The Department's files also contain some data currently not being published, which are also available from these offices.

Additional information about the availability of hydrologic data for California will be found in Department of Water Resources Bulletin 230 series "Index to Sources of Hydrologic Data." This reference series presents an inventory of historic hydrologic data on file with the Department. The most recent issue is Bulletin 230-81. A new edition is in preparation.

Station Location and Identification

The locations of precipitation, surface water measurement, and surface water quality data stations are shown on figures included with the respective appendix. Because there are so many individual wells, plotting these on a map in this volume is impractical. Instead, figures are presented in the respective appendix which delineate the areas for which data are listed.

The principal identifiers for locating hydrologic data stations are (1) station name, (2) station number, (3) latitude and longitude, (4) township, range and section (T,R and S) and (5) county. All are used in this publication, but vary with the type of data and common usage. For example, in ground water the township, range and section serve as the station name and number.

A sixth identifier, an areal one, is employed in this publication. Called the "Areal Designation Code," it is the signature for the Department's Areal Designation System, which was developed to relate all water resources data to areal location. The Areal Designation System and Code are described in the following section.

Detailed explanations of the station names and station numbers used for each type of data appear with the appendix in which the data appear.

Latitude is the angular measurement from the equator, north or south, to a point of interest on the earth's surface. Longitude is the angular measurement from the prime meridian (zero point) at

Greenwich, England, east or west, to a point of interest on the earth's surface. Latitude and longitude are given in degrees, minutes and seconds. A difference of one second of latitude represents about 100 feet on the ground. In California, a difference of one second of longitude represents about 85 feet on the ground.

Areal Designation Code

The areal designation code (called simply the "areal code") is an alphanumeric which designates a specific hydrologic area in the State.

Areal designation defines hydrologic boundaries throughout California. Under this system, the State is divided into four geographic levels based on topography, hydrology, geology and occasionally, institutional considerations. These are designated, in decreasing size, hydrologic basin (HB), hydrologic unit (HU), hydrologic area (HA) and hydrologic subarea (HSA). The first level, the hydrologic basin, is the land area defined by the highest surrounding ridges such that each separate land area is easily identified as independent of the others. There are 12 hydrologic basins in California and each is identified by a letter (see Figure 1). Each of the hydrologic basins is divided into hydrologic units which encompass a major watershed, two or more small contiguous watersheds having similar characteristics, or a closed drainage area. The third level of subdivision is the hydrologic area and the fourth and smallest breakdown is the hydrologic subarea. The latter usually is a single ground water basin, a definable portion of a larger ground water basin, a tributary area of a stream system, or a definable portion of a large stream tributary.

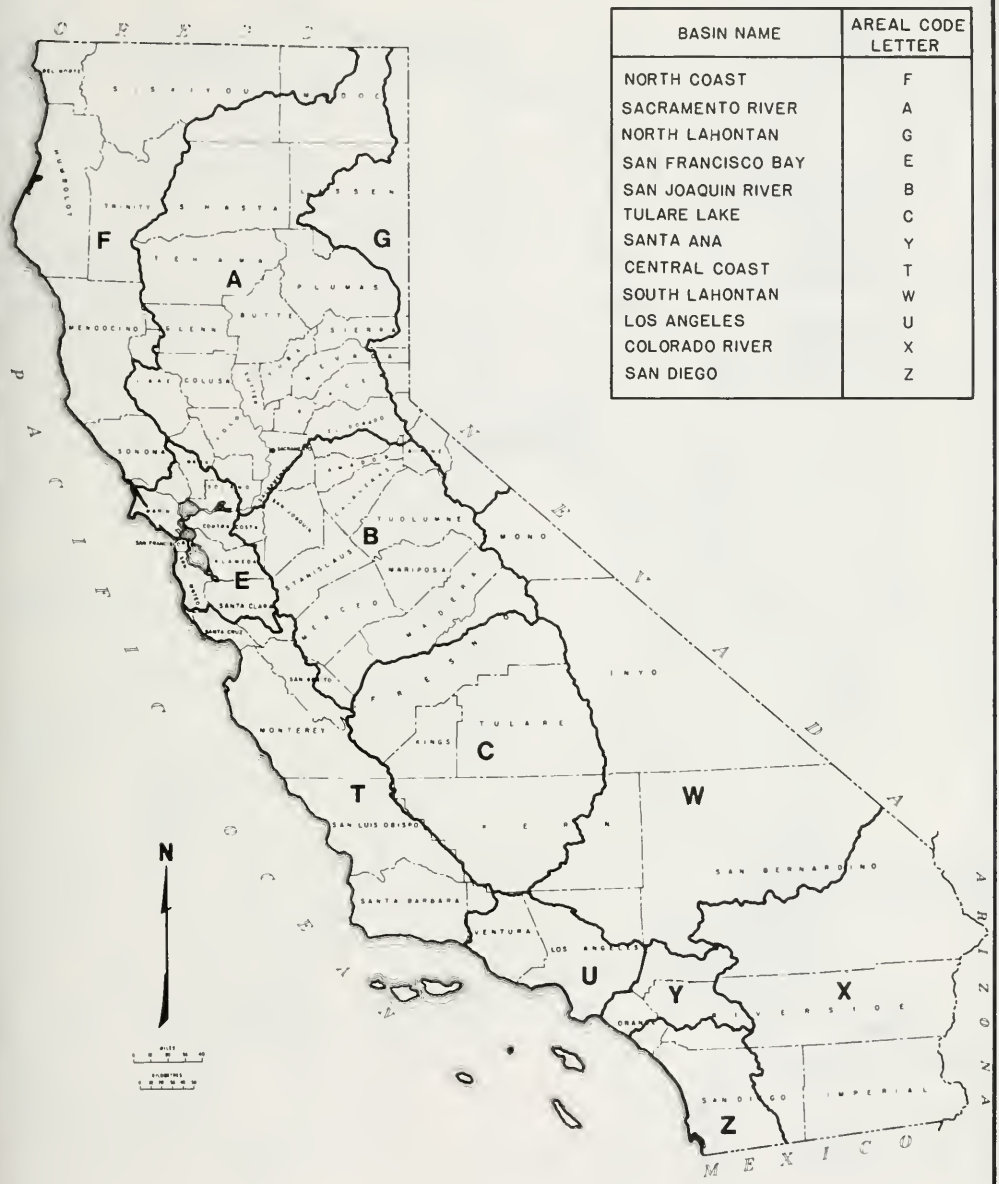
The code used to identify each subdivision consists of five characters; a letter for the hydrologic basin; two numerics for the hydrologic unit; a letter for the hydrologic area; and a single numeric for the hydrologic subarea; for example, A03.A1 designates the Lake Berryessa Subarea in this volume.

Because several stations may be located in a given hydrologic subarea, the areal code facilitates locating and comparing nearby stations, be they precipitation, streamflow, water quality or ground water stations. The areal code is used as an identifier for all stations in this report. The Water Data Information System (WDIS), a computerized data system of the Department of Water Resources, can retrieve all data types by areal code.

Areal codes and boundaries for this volume appear on Figure 2. A map showing all areal codes and boundaries in California as well as a list of all 1,309 subdivisions and their names is available on request.

Agency Code

Reference is made in various tables in this publication to code numbers used to identify agencies collecting data, operating stations, or performing laboratory analysis (Lab). The agencies or laboratories may be identified by matching the tabulated code number with one of the code numbers listed at the beginning of the respective appendix. A complete cross index of agencies and code numbers is available on request.



BASIN NAME	AREAL CODE LETTER
NORTH COAST	F
SACRAMENTO RIVER	A
NORTH LAHONTAN	G
SAN FRANCISCO BAY	E
SAN JOAQUIN RIVER	B
TULARE LAKE	C
SANTA ANA	Y
CENTRAL COAST	T
SOUTH LAHONTAN	W
LOS ANGELES	U
COLORADO RIVER	X
SAN DIEGO	Z

Figure 1. HYDROLOGIC BASINS OF CALIFORNIA

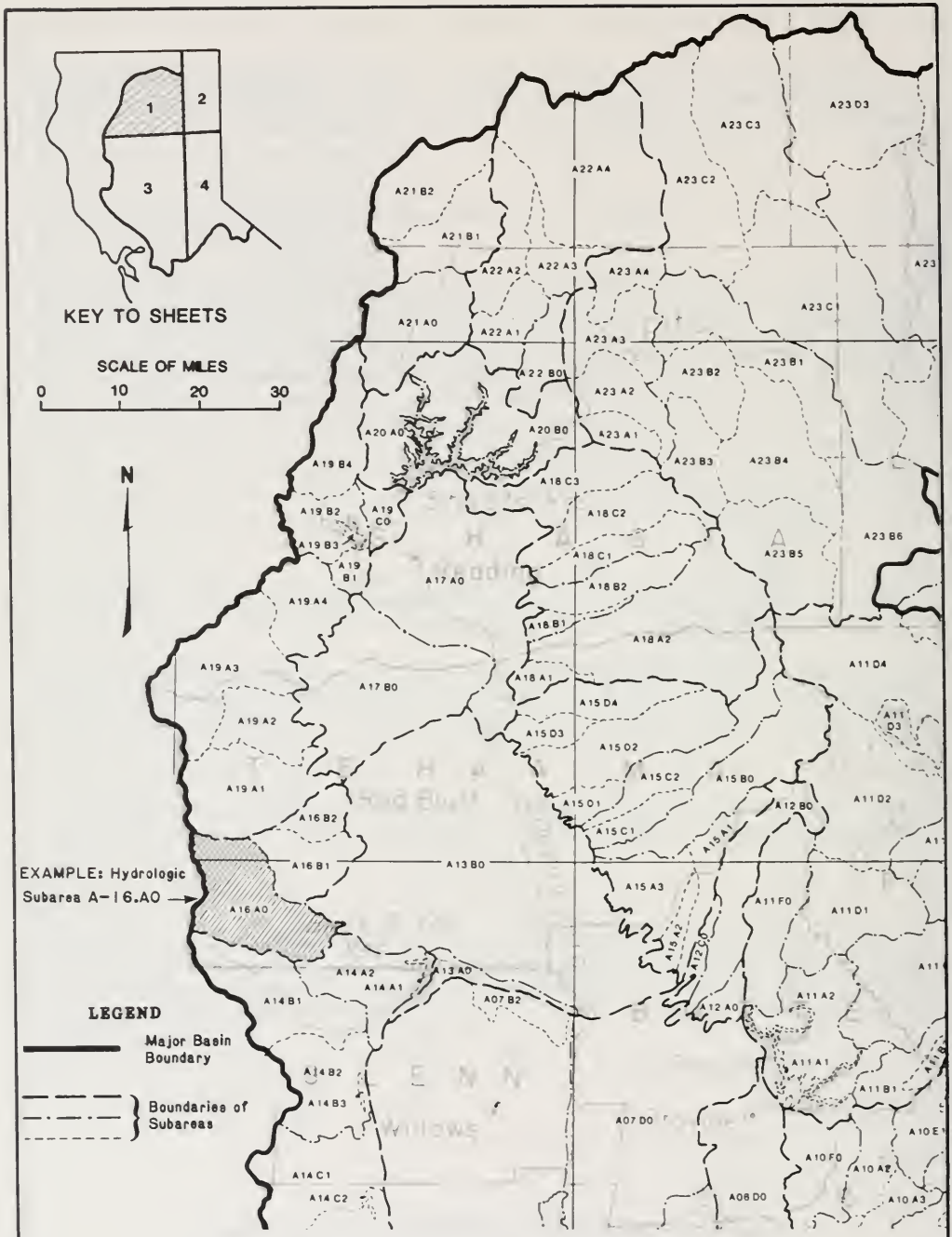
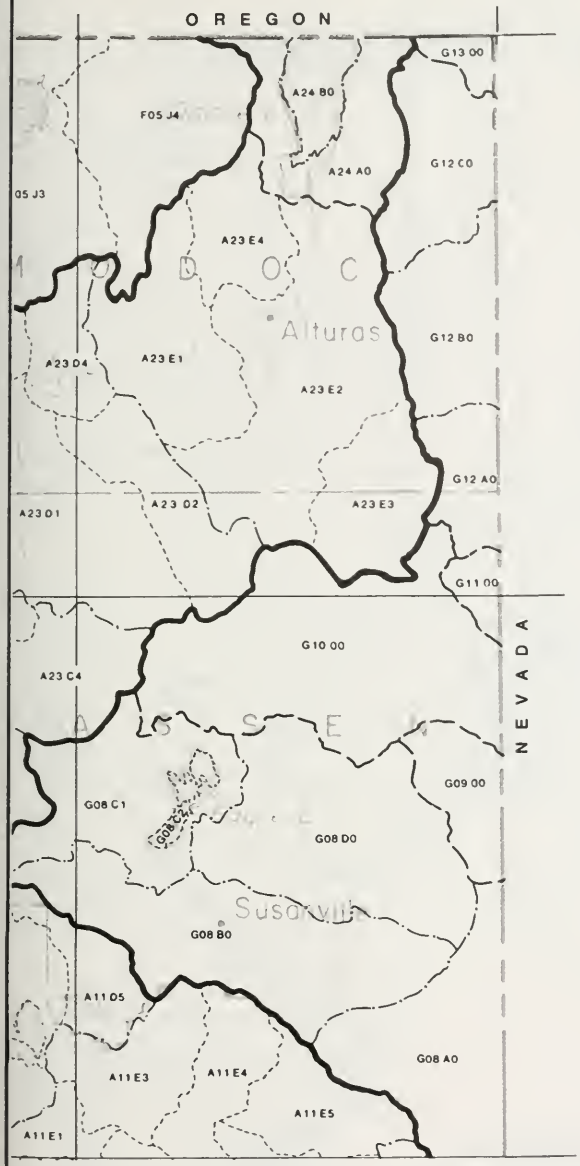


Figure 2 AREAL CODES AND BOUNDARIES



KEY TO SHEETS

LEGEND

Major Basin Boundary

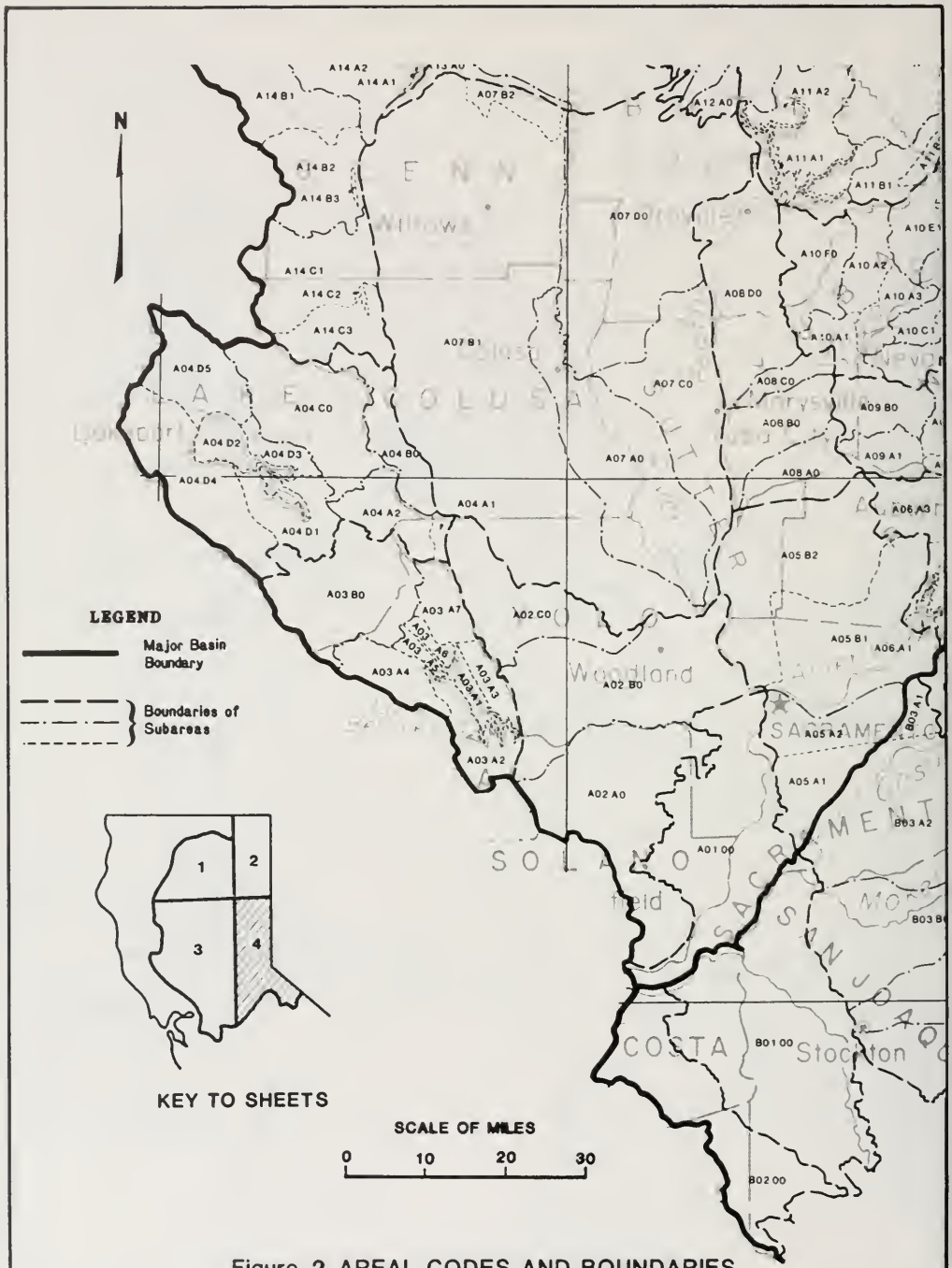
Boundaries of Subareas

N

SCALE OF MILES

0 10 20 30

Figure 2 AREAL CODES AND BOUNDARIES



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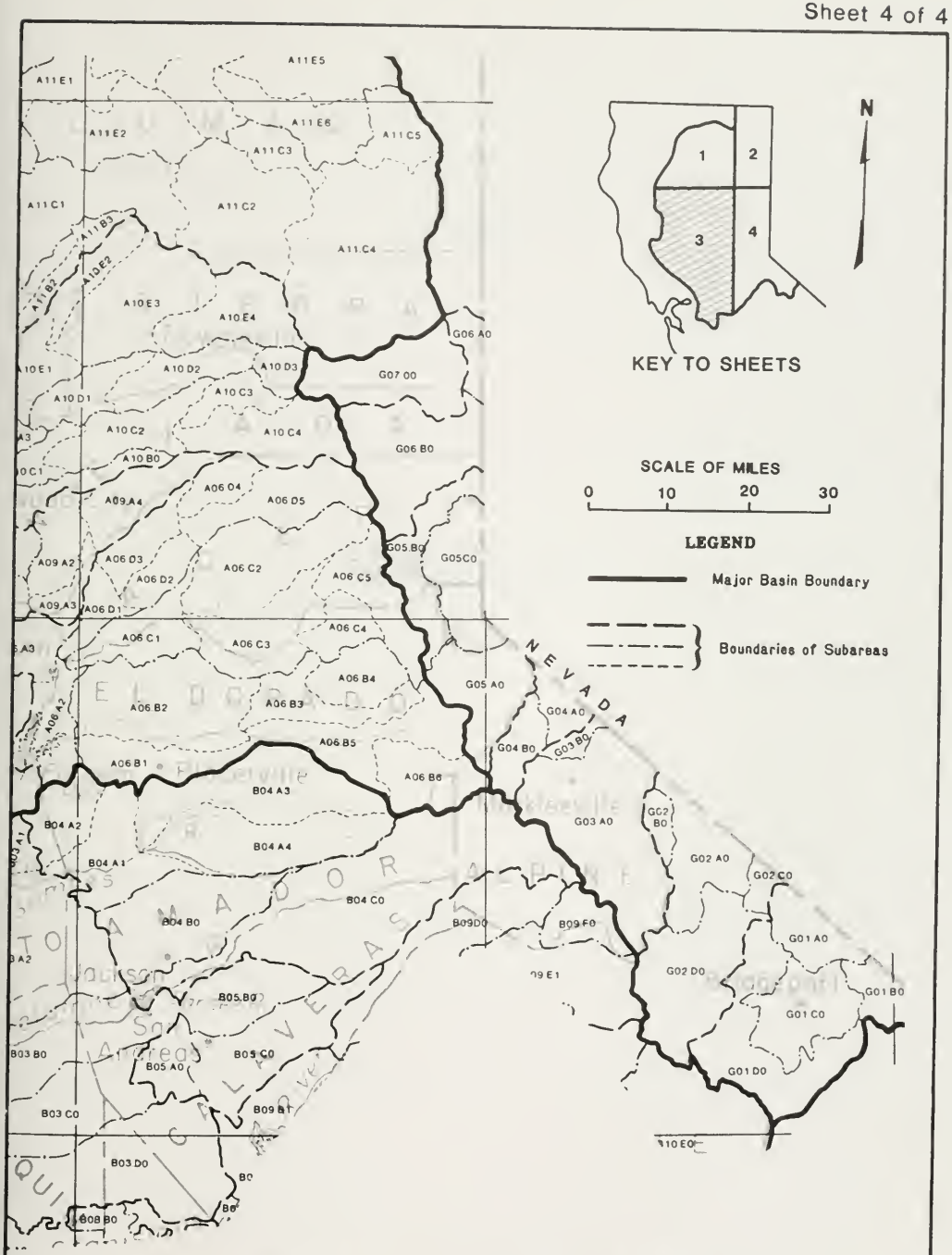


Figure 2 AREAL CODES AND BOUNDARIES

APPENDIX A

CLIMATOLOGICAL DATA

APPENDIX A

CLIMATOLOGICAL DATA

Appendix A presents precipitation data for certain climate stations in Northeastern California for the water year October 1, 1984 through September 30, 1985. Locations of the stations are shown on Figure 3, following.

The first character of the nine character climatological station number indicates the major basin in which the station is located. This character is one of the areal code letters shown on Figure 1. The next two characters designate a hydrologic unit in the major basin. The fourth through the ninth characters denote the sequence of the stations under an alphanumeric system developed by the National Weather Service. (The fourth through seventh characters are the same as the four-digit station numbers used by the National Weather Service.)

Climatological stations are often named after the nearest post office and the distance and direction to the station. Distance is in miles, and the direction is represented in one of 16 compass points. For example, Alturas 7 ESE denotes a station located 7 miles east southeast of the post office at Alturas. The responsibility for selecting the station name generally rests with the agency or individual who establishes the station.

The space for station names is restricted to a combination of 25 letters and/or numerals; therefore, some abbreviations are necessary. Pertinent abbreviations are:

ADR	-	Analog Digital Recorder (Automatic recording device)
AP	-	Airport
COPCO	-	California-Oregon Power Co.
FFS	-	Forestry Fire Station
RAD	-	Radiation
SOD	-	Sierra Ordnance Depot
SHP	-	State Historical Park
TP	-	Treatment Plant
USCE	-	U. S. Corps of Engineers
WB	-	Weather Bureau
WBO	-	Weather Bureau Office

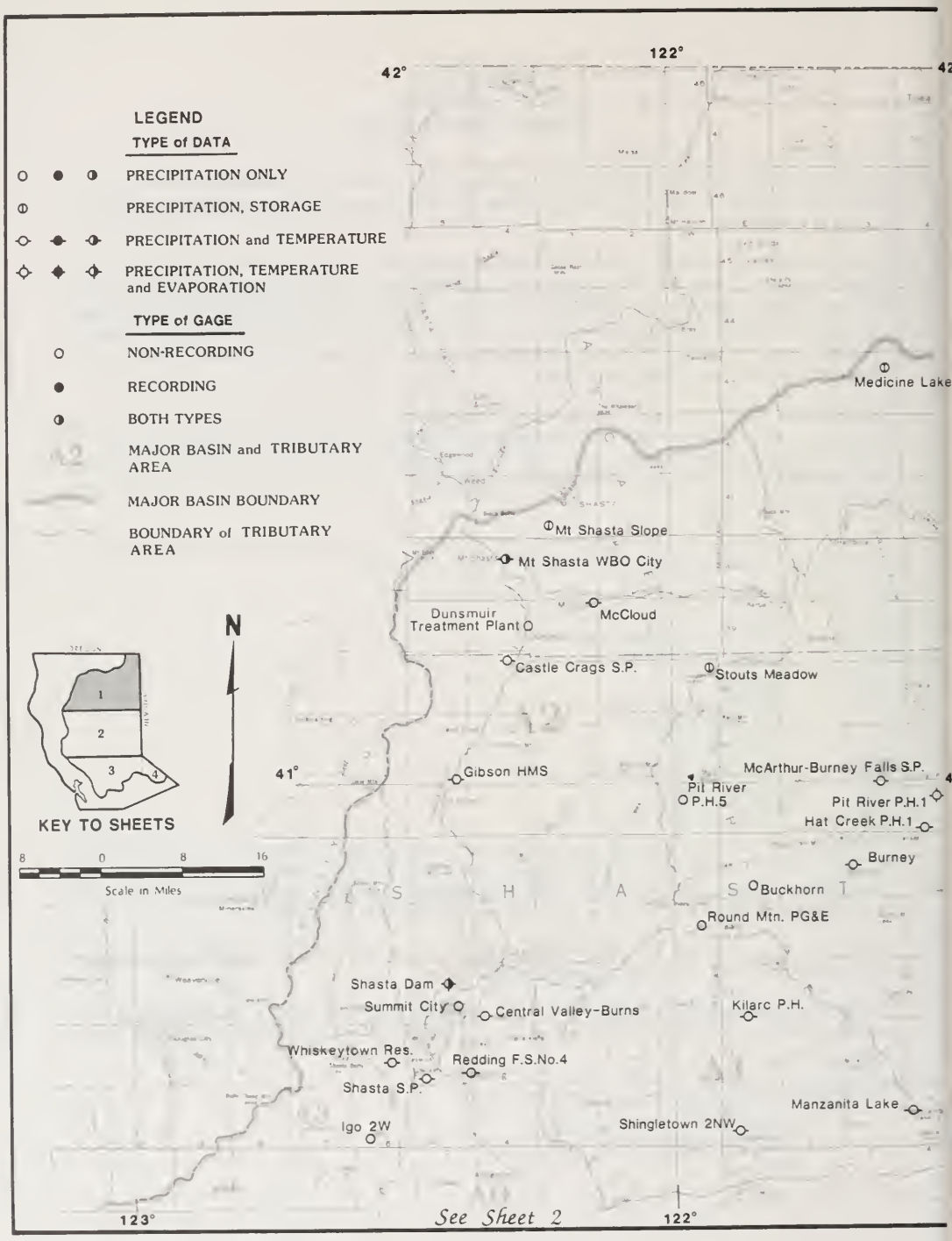
The Department gives latitude and longitude to the nearest second when the value is known, but the National Weather Service lists stations by degree and minute only. A zero value or a blank space for "seconds" in the latitude and longitude columns means that these values have been obtained from the National Weather Service, and the location has not been verified in the field.

Elevations are given in feet from USGS mean sea level datum, and are usually obtained by interpolation between contours of USGS topographic maps.

Precipitation values are shown to the nearest one-hundredth of an inch (0.01"). (Where digital recording rain gages that only record to the nearest tenth of an inch are used, a zero is shown in the second decimal place.)

The following notations are used to qualify the values:

-	No record or incomplete record
T	Trace, an amount too small to measure


LEGEND
TYPE of DATA
PRECIPITATION ONLY
PRECIPITATION, STORAGE
PRECIPITATION and TEMPERATURE
PRECIPITATION, TEMPERATURE and EVAPORATION
TYPE of GAGE
NON-RECORDING
RECORDING
BOTH TYPES
MAJOR BASIN and TRIBUTARY AREA
MAJOR BASIN BOUNDARY
BOUNDARY of TRIBUTARY AREA
KEY TO SHEETS
1
2
3
4
N
Scale in Miles
8
0
8
16
42°
122°
41°
123°
Medicine Lake
Mt Shasta Slope
Mt Shasta WBO City
Dunsmuir Treatment Plant
McCloud
Castle Crags S.P.
Stouts Meadow
Gibson HMS
McArthur-Burney Falls S.P.
Pit River P.H.5
Pit River P.H.1
Hat Creek P.H.1
Burney
Buckhorn
Round Mtn. PG&E
Shasta Dam
Summit City
Central Valley-Burns
Kilarc P.H.
Whiskeytown Res.
Redding F.S.No.4
Shasta S.P.
Manzanita Lake
Igo 2W
Shingletown 2NW
See Sheet 2

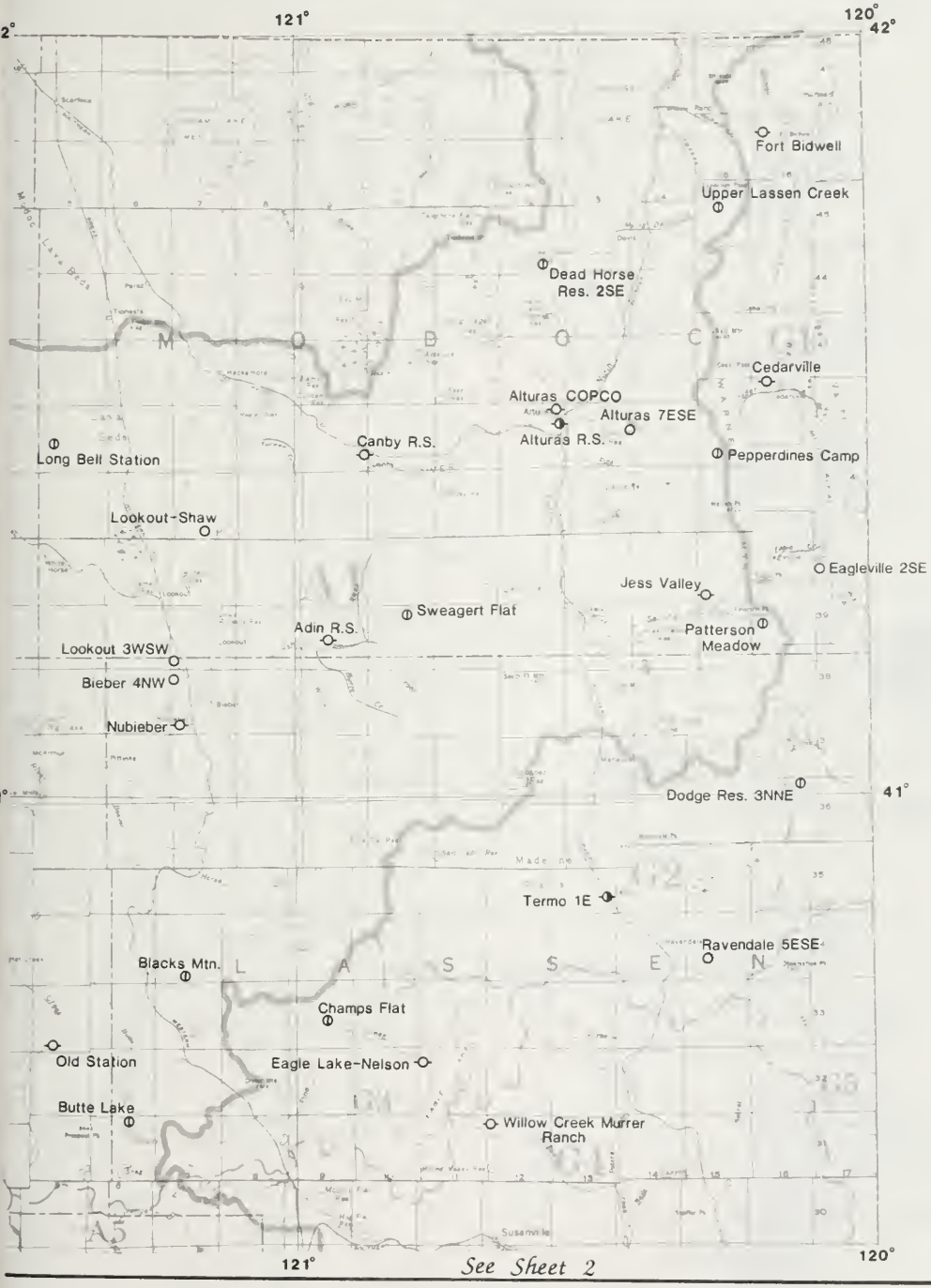
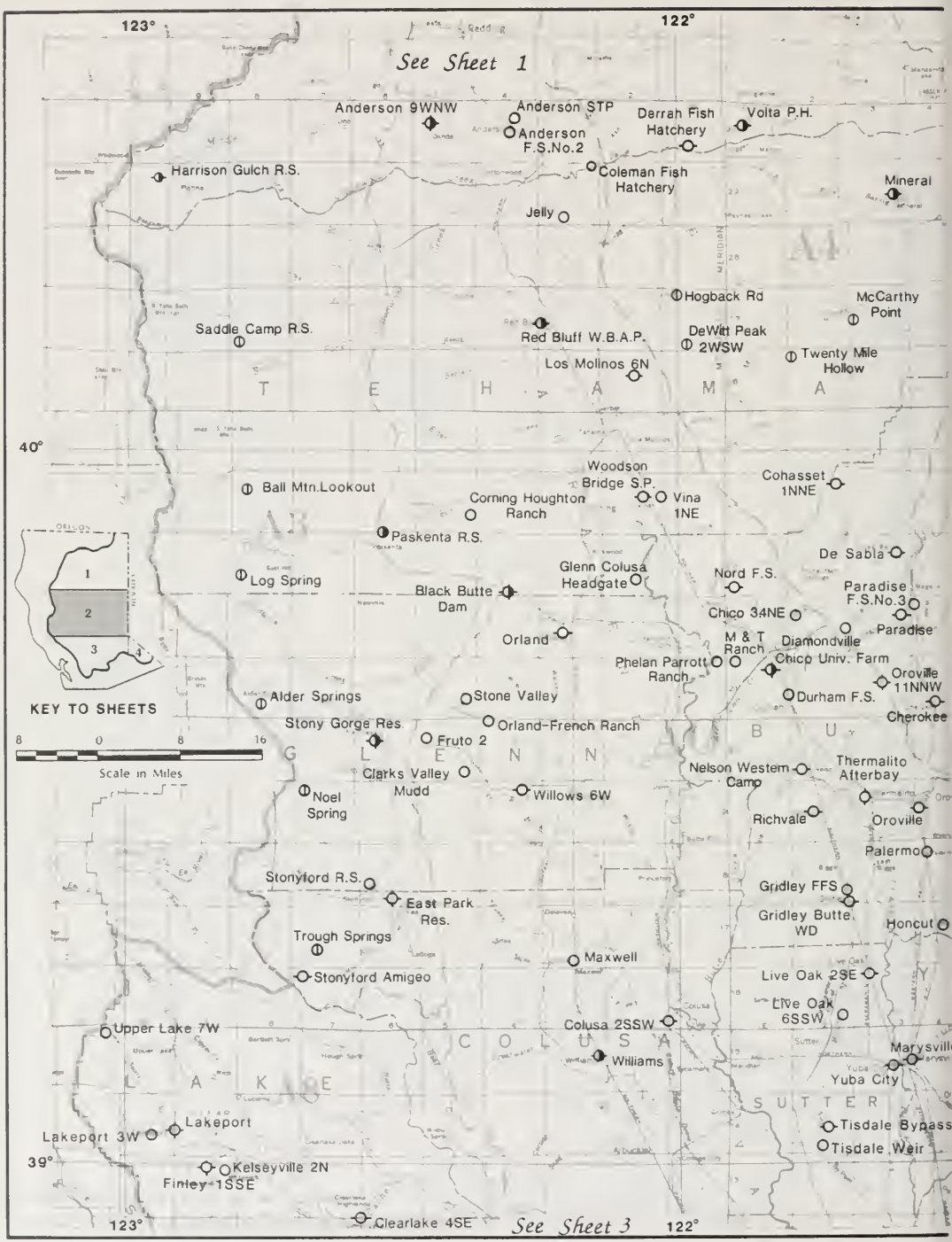


Figure 3. LOCATION OF CLIMATOLOGICAL STATIONS


123°
122°
See Sheet 1
Anderson 9WNW
Anderson STP
Anderson F.S.No.2
Derrah Fish Hatchery
Volta P.H.
Harrison Gulch R.S.
Coleman Fish Hatchery
Mineral
Jelly
Hogback Rd
McCarthy Point
Saddle Camp R.S.
Red Bluff W.B.A.P.
DeWitt Peak 2WSW
Twenty Mile Hollow
Los Molinos 6N
T E H A M A
40°
Woodson Bridge S.P.
Cohasset 1NNE
Ball Mtn.Lookout
Corning Houghton Ranch
Vina 1NE
Paskenta R.S.
De Sabla
Log Spring
Glenn Colusa Headgate
Nord F.S.
Black Butte Dam
Paradise F.S.No.3
Chico 34NE
Paradise
Orland
M & T Ranch
Diamondville
Chico Univ. Farm
Phelan Parrott Ranch
Oroville 11NNW
Alder Springs
Stone Valley
Durham F.S.
Cherokee
KEY TO SHEETS
Stony Gorge Res.
Orland-French Ranch
8 0 8 16
Scale in Miles
Fruto 2
G L E N N
B U
Clarks Valley Mudd
Nelson Western Camp
Thermalito Afterbay
Noel Spring
Willows 6W
Richvale
Oroville
Palermo
Stonyford R.S.
Gridley FFS
East Park Res.
Gridley Butte WD
Honcut
Trough Springs
Maxwell
Stonyford Amigeo
Live Oak 2SE
Live Oak 6SSW
Upper Lake 7W
Colusa 2SSW
C O L U S A
Marysville
Williams
Yuba City
L A K E
S U T T E R
Lakeport
Tisdale Bypass
Lakeport 3W
Tisdale Weir
39°
Kelseyville 2N
Finley 1SSE
Clearlake 4SE
See Sheet 3
123°
122°

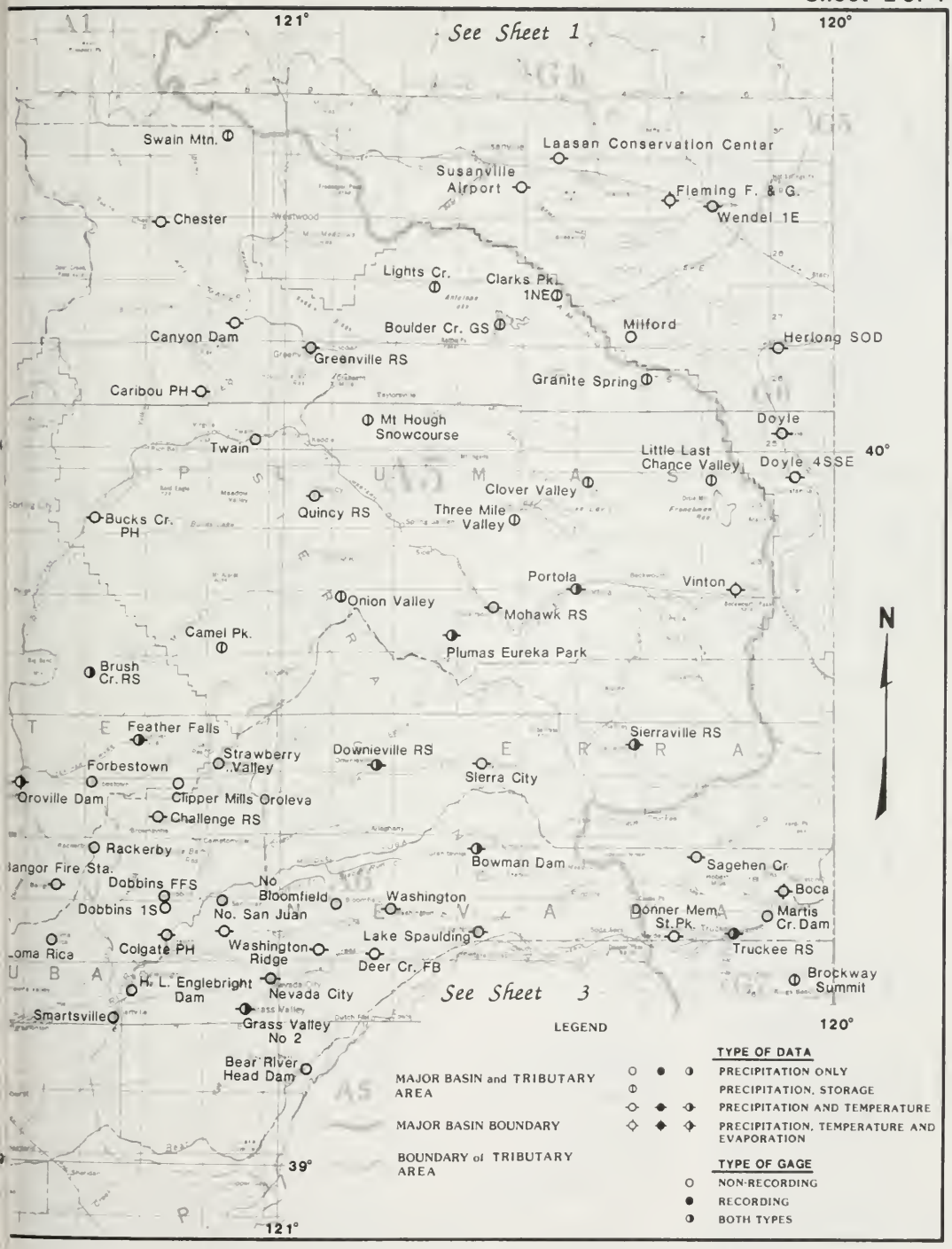
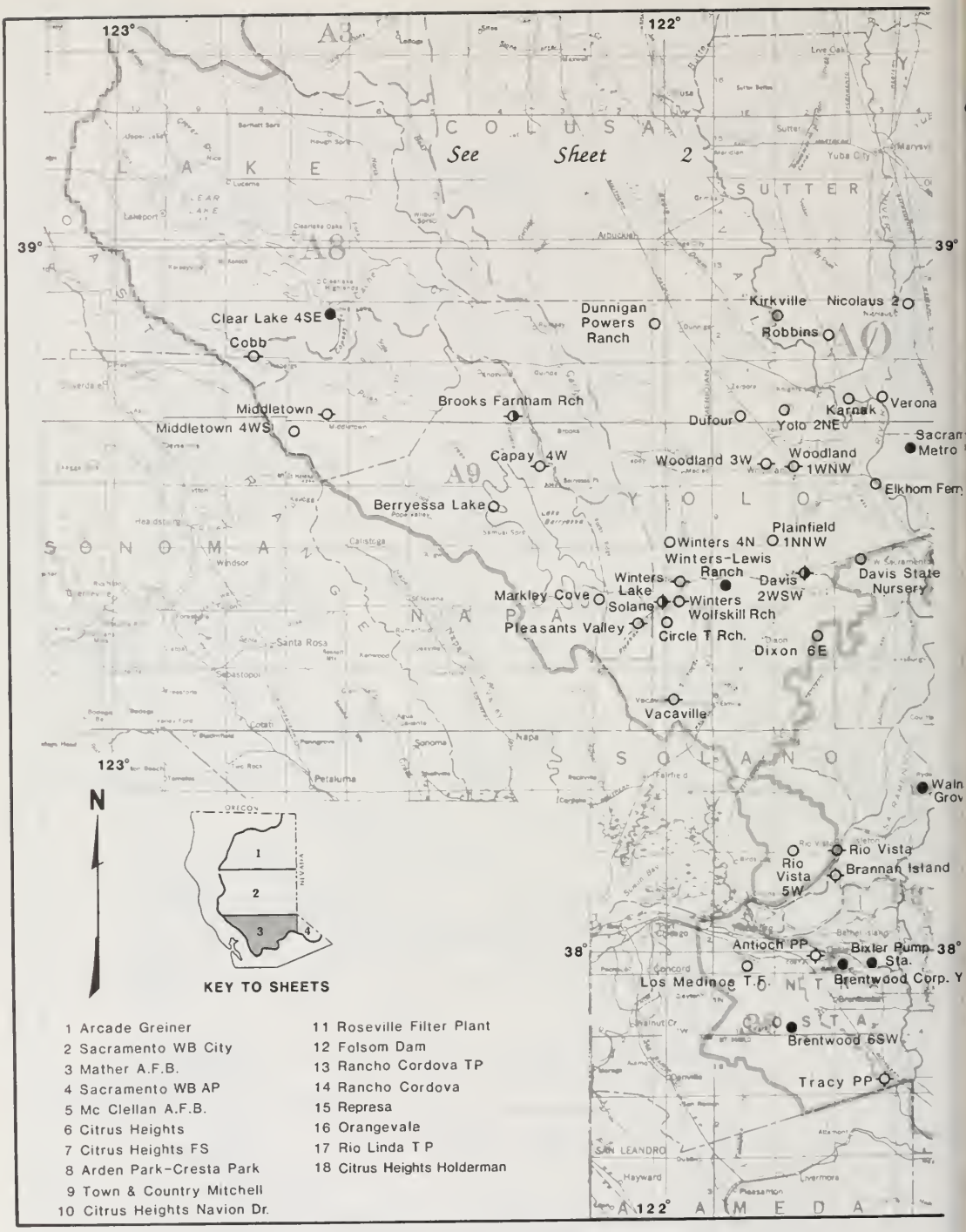


Figure 3. LOCATION OF CLIMATOLOGICAL STATIONS



1 Arcade Greiner
2 Sacramento WB City
3 Mather A.F.B.
4 Sacramento WB AP
5 Mc Clellan A.F.B.
6 Citrus Heights
7 Citrus Heights FS
8 Arden Park-Cresta Park
9 Town & Country Mitchell
10 Citrus Heights Navion Dr.
11 Roseville Filter Plant
12 Folsom Dam
13 Rancho Cordova TP
14 Rancho Cordova
15 Represa
16 Orangevale
17 Rio Linda T P
18 Citrus Heights Holderman

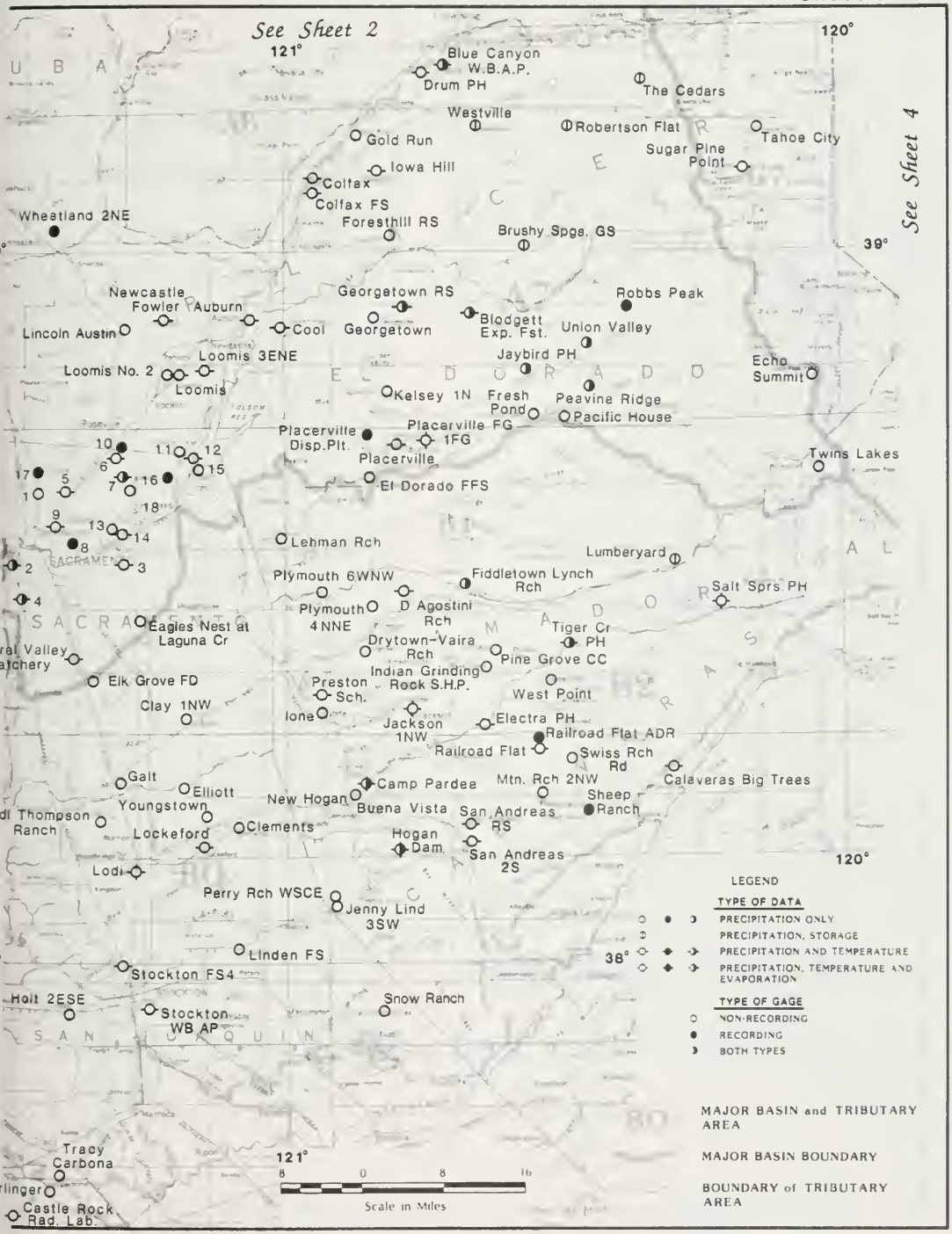


Figure 3. LOCATION OF CLIMATOLOGICAL STATIONS

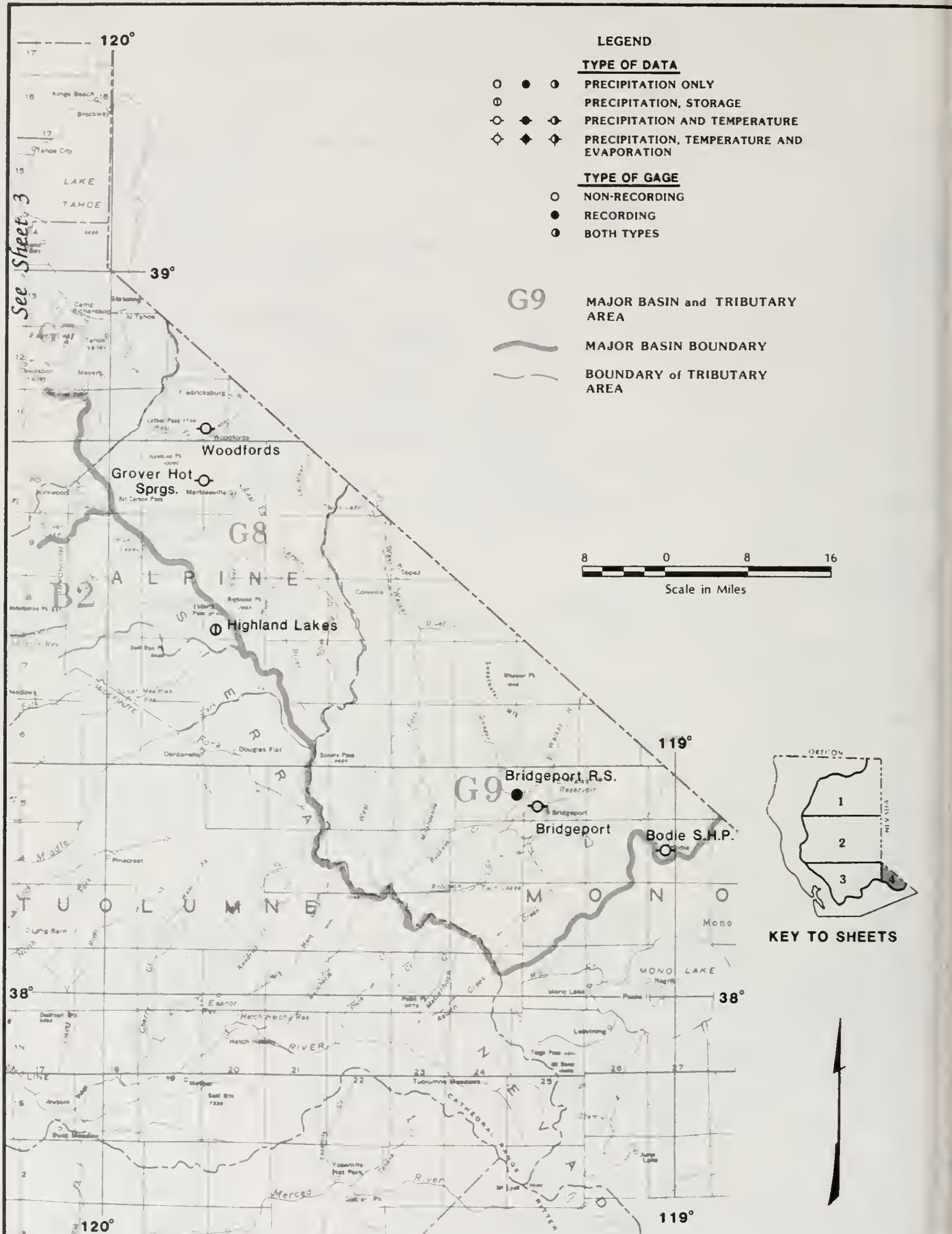


Figure 3. LOCATION OF CLIMATOLOGICAL STATIONS

TABLE A-1
MONTHLY PRECIPITATION
NORTHEASTERN CALIFORNIA
Volume II
Water Year 1985

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	PRECIPITATION IN INCHES TOTAL	1984 OCT	1984 NOV	1984 DEC	1985 JAN	1985 FEB	1985 MAR	1985 APR	1985 MAY	1985 JUN	1985 JUL	1985 AUG	1985 SEP
A23D1	A10002900	41 12	120 57	4,193	Adin Ranger Station	13.16	1.87	3.79	.56	.44	.62	1.19	.00	1.11	.03	.39	.05	2.89
A14B1	A30009000	39 39	122 43	4,550	Alder Springs	29.50	3.20	11.40	1.90	.50	3.30	4.90	1.00	.50	.50	.30	.00	2.00
A23E2	A10015600	41 30	120 31	4,400	Alturas COPCO	11.28	1.19	3.50	.52	.60	.60	.82	.35	1.03	.19	.11	.12	2.25
A23E2	A10015900	41 30	120 24	4,900	Alturas 7 ESE	13.15	2.24	2.89	.70	.60	.89	1.08	.44	.85	.38	.21	.05	2.62
A23E2	A10016100	41 29	120 32	4,365	Alturas Ranger Station	10.70	1.46	2.80	.46	.52	.87	.78	.34	.96	.30	.05	.04	2.12
A17A0	A00020040	40 26	122 17	430	Anderson Fire Station #2	22.82	3.45	8.57	2.35	1.09	1.39	3.19	.22	.13	.22	.00	.19	2.02
A17B0	A00020110	40 27	122 27	850	Anderson 9 WNW	31.41	3.93	11.48	2.38	1.20	1.97	4.07	.56	1.45	2.17	.01	.25	2.94
A17A0	A00020130	40 28	122 16	400	Anderson Sewage TP	26.53	3.49	9.40	2.85	1.10	1.83	3.64	.16	.00	.53	.04	.07	3.42
B0200	B80023200	37 59	121 43	60	Antioch Pump Plant	10.20	1.75	3.82	.85	.44	.84	1.90	.22	T	.22	.00	.00	.16
A0100	A00029434	38 38	123 23	70	Arcade Greiner	17.46	2.00	6.31	1.97	.91	1.98	2.80	.19	.00	.18	T	.04	1.08
A05B1	A00025534	38 35	121 22	67	Arden Park Cresta Park	15.39	1.97	5.49	1.81	.69	1.68	2.75	.20	.00	.20	.00	.00	.60
A06A3	A70038300	38 53	121 04	1,292	Auburn	26.89	3.18	9.02	2.35	.80	3.14	5.83	.13	.00	.29	.02	.19	1.94
A10F0	A60048100	39 23	121 24	750	Bangor Fire Station	23.42	3.44	7.53	2.47	1.36	2.90	4.54	.12	T	T	.05	.15	1.67
A06A4	A60056800	39 08	120 57	1,950	Bear River Head Dam	42.42	3.96	15.49	2.44	2.31	5.37	8.96	.55	.00	.47	.00	.19	2.68
A03A2	A90070500	38 33	122 13	460	Berryessa Lake	22.13	1.62	7.12	2.92	1.01	2.89	5.94	.07	.00	.05	.00	.00	.91
A2301	A10073108	41 09	121 11	4,190	Bieber 4 NW	17.83	2.14	6.64	.62	.68	2.00	1.78	.00	.63	.00	.30	.05	2.99
B0100	B90083250	37 56	121 37	14	Bixler Pump Station	10.58	1.52	3.91	1.22	.54	.84	2.06	.19	.00	.30	.00	.00	.00
A13A0	A30080011	39 48	122 19	425	Black Butte Dam	16.52	1.42	6.59	2.11	.74	.42	3.41	.61	.00	.00	.02	.11	1.09
A06C3	A70088300	38 54	120 40	4,414	Blodgett Exp Forest	47.49	6.35	16.03	3.60	1.70	5.72	10.14	1.05	.00	.00	.00	.50	2.40
A06D4	A70089700	39 16	120 42	5,280	Blue Canyon WB Airport	49.36	5.44	17.06	3.58	2.05	6.50	10.06	1.22	.06	.46	.05	.34	2.54
G06B0	G70093100	39 23	120 05	5,575	Boca	19.90	1.68	5.93	.80	.51	2.15	3.88	.15	.00	.48	2.26	.30	1.76
G0100	G90094300	38 13	119 01	8,370	Bodie S.H.P.	10.55	.57	2.09	.84	.66	.69	2.41	.22	T	.00	1.38	T	1.69
A10C3	A60101800	39 26	120 39	5,347	Bowman Dam	51.78	6.20	19.00	3.02	1.20	6.42	10.45	1.99	.20	.10	.20	.50	3.50
B0100	B90105950	37 55	121 41	95	Brentwood Corporation Yd	11.61	1.54	4.06	1.32	.56	.96	2.51	.22	.00	.32	.00	.00	.12
B0100	B90104300	38 06	121 41	35	Brannan Island	14.49	1.72	4.48	1.52	1.18	1.58	3.05	.44	.01	.28	.10	.00	.13
B0200	B80106000	37 53	121 46	325	Brentwood 6SW	12.24	1.32	3.84	1.08	1.19	2.06	2.14	.36	.00	.25	.00	.00	.00
G01G0	G90107203	38 15	119 13	6,470	Bridgeport	10.04	.15	1.64	.61	.51	1.10	2.11	.00	.00	.45	1.17	.00	2.30
G01C0	G90107600	38 16	119 17	6,560	Bridgeport Ranger Station	14.78	.36	1.93	.43	.58	.50	1.15	.10	.00	.30	.50	.00	2.20
A02C0	A80111200	38 45	122 09	294	Brooks Farnham Ranch	20.32	1.30	6.37	1.85	.88	2.58	2.81	.00	.00	.47	1.56	.00	2.50
A11C1	A50113000	39 41	121 20	3,560	Brush Creek Ranger Station	---	5.47	---	---	---	---	---	---	---	---	.40	---	---
A23A2	A10114900	40 52	121 51	3,771	Buckhorn	50.12	5.47	19.96	3.50	.97	3.86	7.30	.62	1.86	.60	.16	.12	5.70
A11D1	A50115900	39 54	121 19	1,760	Bucks Creek Power House	50.65	4.38	19.52	4.99	2.07	3.98	9.77	1.00	.81	.00	.09	.05	3.99
B03A2	B20117100	38 17	120 54	285	Buena Vista	18.32	2.19	5.65	1.76	.88	1.83	4.70	.11	.00	.26	.00	.08	.86
A23B2	A10121400	40 53	121 40	3,127	Burney	23.29	2.83	8.59	1.36	.54	1.38	2.87	.16	1.26	.41	.55	.06	3.28
B09D0	B20127700	38 17	120 19	4,696	Calavaras Big Trees	41.40	4.61	12.59	2.89	2.15	5.29	9.24	1.09	.00	.90	.33	.15	2.16
B03B0	B20142800	38 15	120 50	658	Camp Pardee	17.91	2.32	5.00	1.86	1.15	1.74	4.37	.40	.00	.28	.00	.08	.71
A23E1	A10147600	41 27	120 52	4,312	Canby Ranger Station	14.08	1.63	4.30	.92	.32	.90	1.40	.20	.86	.19	.07	.16	3.13
A11D5	A50149700	40 10	121 05	4,555	Canyon Dam	29.02	2.90	11.02	1.70	.90	3.70	5.50	.50	.30	.00	.10	.00	2.40
A02C0	A80150000	38 42	122 07	300	Capay 4W	18.41	1.42	6.81	1.85	.95	3.42	3.25	.01	.00	.04	.03	.14	.49
A11D2	A50152200	40 05	121 08	2,986	Caribou Power House	32.23	2.69	12.52	2.27	1.04	4.27	5.58	.22	.22	.00	.80	.02	2.60
A21B1	A20157651	41 08	122 19	2,026	Castle Crags State Park	49.82	3.18	26.81	4.50	.82	3.88	5.58	.27	.59	.30	.97	.29	2.63
B0200	B80158300	37 38	121 32	625	Castle Rock RAD Lab	9.92	1.34	2.60	1.25	1.54	.64	1.88	.38	.01	.18	.00	.00	.10
G12B0	G10161400	41 31	120 10	4,670	Cedarville	10.24	1.63	3.40	.73	.28	.98	.87	.36	.62	.08	.05	.03	1.21
A17A0	A00163401	40 40	122 21	765	Central Valley-Burns	42.84	2.64	16.06	2.77	1.14	4.12	4.91	.51	1.12	1.83	.68	.23	6.83
A05A1	B00163501	38 25	121 22	38	Central Valley Hatchery	15.52	1.73	5.59	1.78	.65	1.64	2.66	.22	.00	.33	.00	.01	.91
A10A2	A60165300	39 29	121 13	2,560	Challenge Ranger Station	53.27	4.04	16.04	4.97	2.01	13.25	9.66	.65	.00	.00	.01	.01	2.53
A0700	A50169300	39 38	121 31	1,355	Cherokee	33.23	3.71	11.26	4.01	1.74	4.02	5.71	.50	.11	.00	.00	.15	2.02
A11D3	A50170000	40 18	121 13	4,525	Chester	21.64	2.40	8.46	.92	.79	2.16	3.37	.40	.33	.04	.22	.12	2.43
A13B0	A00171520	39 46	121 47	283	Chico 3.4 NE	---	---	---	---	---	---	---	---	---	.00	.02	.07	2.83
A0700	A00171550	39 42	121 49	185	Chico University Farm	21.71	2.68	8.86	2.07	.82	1.21	3.56	.15	.00	.00	.00	.08	2.28
A02A0	A00176700	38 28	121 59	205	Circle T Ranch	17.76	1.23	7.27	1.24	1.57	2.61	3.71	.00	.00	.02	.00	.00	.11
A05B1	A00177300	38 42	121 17	138	Citrus Heights	18.50	2.44	6.60	1.59	1.05	2.11	3.56	.13	.00	.00	.00	.00	1.02
A05B1	A00177301	38 42	121 18	140	Citrus Heights Navion Drive	18.75	1.97	6.74	1.94	.94	1.97	3.86	.14	.00	.23	.00	.00	.96
A05B1	A00177334	38 40	121 17	160	Citrus Heights Fire Station	19.35	3.31	6.11	2.01	.86	2.35	3.46	.26	.00	.19	.00	.10	.70
A05B1	A00177336	38 40	121 16	208	Citrus Heights Holderman	16.92	1.82	6.23	1.67	.84	2.04	3.36	.08	.00	.20	.00	.10	.58
A07B1	A00178500	39 32	122 23	410	Clarks Valley-Mudd	15.17	.85	6.40	2.07	.39	.57	3.13	.24	.00	.00	.00	.00	1.52
B03A2	B00178550	38 21	121 10	95	Clay 1NW	17.77	2.24	5.90	1.79	.78	1.59	2.87	.00	.00	.39	.00	.00	2.21
A04D1	A80180400	38 54	122 36	1,389	Clear Lake 4 SE	21.76	2.00	9.25	2.71	.49	1.65	4.45	.13	.00	.00	.08	1.00	
B03B0	B00181300	38 12	121 06	120	Clements	17.86	2.17	5.90	2.12	.71	1.49	3.30	.04	.00	.28	.00	.00	1.85
A10E1	A50182950	39 32	121 10	3,405	Clipper Mills Oroleva	61.97	4.98	19.08	5.39	2.39	8.06	17.85	1.15	.00	.00	.00	.17	2.90
A04D4	A80188000	38 49	122 43	2,520	Cobb	45.73	2.80	20.13	4.75	1.18	5.36	8.86	.33	.04	.03	.04	.03	2.18
A15A2	A40189100	39 56	121 43	3,180	Cohasset 1 NNE	41.00	4.58	14.26	3.08	2.00	4.76	6.56	.43	.03	.01	.06	.07	5.16
A17A0	A00190700	40 24	122 08	420	Coleman Fish Hatchery	27.00	3.15	7.57	2.57	.91	1.35	4.03	.20	3.10	.02	.07	2.06	1.97
A06D1	A70191200	39 05	120 57	2,418	Colfax	34.83	3.22	11.20	2.45	1.86	5.65	6.53	.44	.05	.40	.00	.17	2.86
A06D3	A70191201	39 05	120 56	2,350	Colfax Fire Station	36.30	3.26	12.16	2.29	1.38	5.21	8.12	.57	.04	.36	.00	.21	2.70
A10A3	A60191600	39 19	121 11	585	Colgate Power House	29.41	3.43	9.96	2.93	1.23	4.13	5.70	.22	.00	.19	.03	.14	1.45
A07B1	A00194900	39 12	122 01	50	Colusa 2 SSW	14.51	1.46	6.31	1.42	.90	.88	1.66	.36	.00	.00	.00	.12	1.40
A06A2	A70198500	38 53	121 01	1,525	Cool	26.49	3.17	9.65	2.14	1.51	3.09	5.03	.17	.05	.34	.00	.20	1.14
A13B0	A00202700	39 54	122 22	487	Corning-Houghton Ranch	---	---	---	---	---	---	---	---	---	---	---	---	---
B04A1	B10225200	38 31	120 46	1,820	D Agostini Ranch	25.10	3.03	8.67	1.83	1.08	2.93	5.37	.13	.00	.39	.00	.17	1.50
A18A2	A40228300	40 25	121 59	975	Darrah Fish Hatchery	21.12	3.17	6.85	2.49	.83	1.15	3.79	.32	.32	.04	.05	.11	2.00
A02B0	A00229400	38 32	121 46	60	Davis 2 WSW	14.28	.91	6.11	1.32	1.63	1.63	2.63	.31	.09	.06	.00	.00	.30
A0100	A00229402	38 33	121 40	29	Davis State Nursery	15.05	1.46	5.60	1.32	1.15	1.73	2.98	.09	.02	.09	.00	.02	.39
A10B0	A60233800	39 17	120 49	4,455	Deer Creek Forebay	52.10	5.19	17.66	3.98	1.84	7.27	11.28	1.06	.14	.56	.04	.26	2.86
A12B0	A40240200	39 52	121 37	2,720	De Sabla	45.27	3.84	17.00	3.45	1.92	5.32	7.94	.60	.16	.09	.02	.07	4.86
A12B0	A40243560	39 45	121 41	500	Diamondville	34.30	3.40	12.20	3.80	1.15	2.90	7.05	.35	.00	.00	.00	.05	3.40
A02A0	A00245102	36 27	121 43	32	Dixon 6E	12.00	1.33	5.89	1.23	.30	1.45	1.04	.40	.00	.19	.00	.18	.00
A10A3	A60245600	39 22	121 12	1,640	Dobbins 1S	30.33	3.44	9.75	1.62	1.20	5.26	6.84	.24	.00	.11	.04	.16	1.67
A10A3	A60245700	39 22	121 13	1,820	Dobbins F.F.S.	34.91	3.96	11.21	1.86	1.38	6.05	7.89	.28	.00	.13	.05	.18	1.92
G06B0	G70246700	39 19	120 13	5,937	Donner Memorial State Park	28.66	3.24	8.64	1.56	.62	4.16	6.34	.02	.00	.22	1.62	.14	2.10

TABLE A-1 (CONTINUED)

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	TOTAL	PRECIPITATION IN INCHES 1984 OCT	NOV	DEC	1985 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
A1CE3	A6C250C00	39 33	120 49	2,895	Downieville Ranger Station	50.20	4.80	18.40	3.80	1.70	6.90	10.80	.98	.30	.20	.12	.20	2.40
GC8AC	G6C250440	40 01	120 06	4,240	Doyle	9.86	1.03	2.65	.67	.31	2.33	2.14	.00	.00	.07	.00	.00	.66
GC8AC	G6C250630	39 58	120 05	4,390	Doyle # SSE	13.79	1.66	4.09	.42	.65	3.04	2.43	.01	.00	.09	.09	.02	1.29
A09A4	A6C251400	39 15	120 45	3,812	Drum Power House	45.67	4.82	18.44	3.41	1.90	6.59	8.28	.94	.01	.00	.02	.21	1.05
BC4BC	B1C251800	38 26	120 51	740	Drytown-Vaira Ranch	20.92	2.72	6.63	1.97	.79	1.95	4.96	.14	.00	.41	.00	.05	1.25
AC7B1	AC0258300	38 45	121 50	65	Dufour	14.86	1.68	5.97	1.50	.87	1.36	2.68	.40	.00	.00	.00	.08	.32
AC7B1	AC0256900	38 53	121 59	104	Dunnigan Powers Ranch	16.87	1.39	7.18	1.57	.73	1.57	2.72	.08	.00	.03	.00	.03	1.57
A21B1	A2C257400	41 12	122 16	2,574	Dunsmuir Treatment Plant	44.59	2.93	23.84	3.42	1.48	3.41	4.90	.14	.44	.33	.93	.35	2.42
AC70C	AC0257601	39 38	121 47	155	Durhar Fire Station	20.22	2.58	8.00	2.18	.75	1.15	2.72	.26	.00	.00	.00	.20	2.38
GC8DC	G3025950Z	40 39	120 46	5,121	Eagle Lake-Nelson	12.62	1.16	4.21	.45	.45	2.06	2.16	.00	.09	.23	.06	.04	1.71
AC5A1	AC0260634	38 29	121 15	100	Eagles Nest At Laguna Creek	11.66	1.97	5.50	1.71	.09	.25	.86	.14	.00	.35	.00	.00	.79
G12AC	G1C259906	41 17	120 05	4,850	Eagleville 2 SE	—	.95	3.23	.26	.42	—	.65	—	—	.20	.07	.00	1.30
A14C2	A3C264000	39 22	122 31	1,205	East Park Reservoir	15.90	.77	6.67	2.33	.39	1.30	3.53	.32	.00	.00	.00	.07	.52
AC6B5	A7026710C	38 50	120 02	7,370	Echo Summit	38.51	4.94	10.75	2.29	2.12	3.62	8.46	1.11	.07	.33	.21	.25	4.36
AC6B1	A7027200C	38 40	120 52	1,550	El Dorado F.F.S.	27.93	3.35	10.06	2.05	.97	4.10	5.56	.12	.00	.30	.00	.19	1.25
BC4CC	B2C272800	38 19	120 40	715	Electra Power House	23.94	2.89	6.99	1.93	1.61	3.08	5.97	.15	.00	.25	.00	.13	.94
AC5A1	BCC274200	38 24	121 21	48	Elk Grove Fire Dept.	13.87	1.58	4.93	1.65	.58	1.48	2.20	.18	.00	.31	.00	.00	.96
AC5B2	ADC274400	38 40	121 37	40	Elkhorn Ferry	14.78	1.41	5.42	1.41	1.15	1.58	3.02	.02	.00	.09	.00	.39	.29
BC3A2	BCC276000	38 14	121 11	92	Elliott	17.14	2.30	6.18	2.09	.94	1.46	3.01	.14	.00	.34	.00	.00	.68
A11B1	A5C299400	39 35	121 15	2,965	Feather Falls	34.64	4.63	11.00	3.08	1.54	4.18	6.36	1.07	.15	.00	.00	.13	2.50
BC4A4	B1C303800	38 31	120 42	2,140	Fiddletown Lynch Ranch	27.50	3.20	9.30	1.90	1.40	3.40	6.30	.30	.00	.40	.00	.10	1.20
AC4D4	A8C305600	38 58	122 52	1,377	Finley 1 SSE	22.99	3.05	9.12	2.33	.37	2.05	4.76	.07	.00	.02	.02	.05	1.15
GC8BC	GAC308700	40 22	120 19	4,000	Fleming F & G	9.10	1.53	2.19	.37	.68	.96	2.34	.00	.00	.18	.05	.02	.78
AC5B1	A7C311300	38 42	121 09	350	Folsom Dam	18.56	2.13	6.63	1.91	.91	2.27	3.50	.00	.00	.30	.00	.16	.75
A1CA2	A5C312700	39 31	121 16	2,900	Forbestown	—	4.70	15.33	—	—	7.12	7.06	—	—	—	—	—	—
AC6C1	A7C313400	39 01	120 49	3,190	Foresthill Ranger Station	38.32	4.39	12.28	2.53	1.77	4.29	9.32	.68	.00	.55	.00	.46	2.05
G12CC	G1C315700	41 51	120 08	4,498	Fort Bidwell	16.09	2.99	4.03	1.33	.41	1.53	1.51	1.07	1.20	.05	.18	.07	1.72
AC6B5	A7C325209	38 45	120 32	3,760	Fresh Pond	42.40	5.61	13.90	2.60	2.29	6.18	8.26	.58	.03	.59	.00	.23	2.13
AC7B1	AOC326702	39 35	122 27	610	Fruto 2	16.31	1.06	5.92	2.10	.30	.65	2.82	.27	.00	.00	.00	.04	3.15
BC3A2	BCC33C100	38 15	121 18	47	Galt	14.79	2.11	5.99	1.18	.70	1.36	2.53	.10	.00	.36	.00	.00	.46
AC6B2	A7C338100	38 54	120 50	2,720	Georgetown	52.99	1.59	10.20	4.00	8.73	16.84	9.10	1.36	1.17	.00	.00	.00	.00
AC6B2	A7C338400	38 55	120 47	3,000	Georgetown Ranger Station	42.64	4.14	15.61	2.57	1.56	5.71	9.89	.54	.00	.41	.00	.49	1.72
A21AC	A2C340500	41 00	122 24	1,435	Gibson HMS	46.33	3.34	24.09	3.97	1.17	3.17	5.39	.74	.37	.95	.86	.22	2.06
A13BC	AOC345600	39 47	122 03	160	Glenn-Colusa Headgate	17.51	1.76	7.22	2.05	.69	.50	3.21	.47	.00	.00	.00	.00	1.61
AC6D3	A7C349100	39 10	120 51	3,320	Gold Run	43.17	4.25	13.67	2.93	1.85	6.01	10.19	.73	.10	.43	.05	.18	2.78
AC9A2	A5C357300	39 12	121 04	2,400	Grass Valley No. 2	39.86	4.92	11.58	2.95	1.52	6.25	8.97	.61	.70	.37	.02	.10	1.87
A11E3	A5C362100	40 08	120 56	3,560	Greenville Ranger Station	28.62	2.37	11.08	1.97	1.06	4.29	5.00	.14	.05	.03	.25	.01	2.37
AC7D0	AOC364000	39 22	121 41	90	Gridley Butte WD	17.22	2.10	6.79	1.89	.76	1.35	2.53	.10	.00	.00	.04	.20	1.46
AC7D0	AOC364001	39 23	121 41	93	Gridley F F S	15.49	1.68	6.20	1.80	.60	1.05	2.43	.05	.00	.00	.00	.14	1.54
GC3AC	G8C367500	38 41	119 49	5,800	Grover Hot Springs	20.90	2.59	5.04	1.94	.53	1.66	4.36	.09	.00	.23	1.61	.07	2.78
A19A3	A3C379100	40 22	122 58	2,710	Harrison Gulch Ranger Station	31.54	1.74	17.31	2.77	.67	2.88	3.94	.38	.22	.47	.05	.29	.82
A23B4	A1C382400	40 56	121 33	3,015	Hat Creek Power House #1	17.66	2.25	6.36	1.14	.51	.75	2.48	.05	.99	.43	.26	.09	2.35
GC8A0	G6C392200	40 09	120 06	4,083	Herlong S O D	5.74	1.07	1.16	.55	.15	.85	1.86	.00	.00	.00	.00	.10	.00
A1CA3	A6C380000	39 14	121 16	580	H.L. Englebright Dam	25.38	1.90	8.51	2.55	1.04	3.84	5.69	.14	.00	.08	.03	.18	1.42
BC5AC	B2C418000	38 09	120 49	554	Hogan Dam	18.97	2.68	5.46	1.85	1.04	1.85	5.08	.15	.00	.37	.00	.00	.49
BC1C0	B9C4C4100	37 55	121 23		Holt 2 ESE	9.53	1.13	3.05	1.17	.80	1.02	2.04	.00	.00	.22	.00	.00	.10
AC8D0	AOC407500	39 19	121 31	113	Honcut	15.37	2.09	5.58	1.43	.65	1.79	2.75	.12	.00	.00	.00	.17	.79
A19A4	A3C421900	40 30	122 34	1,090	Igo 2 W	36.30	2.50	16.06	2.68	1.25	3.15	2.49	.85	.92	.39	1.81	.31	3.89
BC4BC	B2C424500	38 25	120 38	2,490	Indian Grinding Rock Shp.	30.89	3.73	9.23	2.10	1.64	4.11	7.54	.29	.00	.52	.00	.12	1.61
BC3A2	BC04283C0	38 20	120 56	284	Ione	17.93	1.84	6.30	1.68	.85	2.00	3.87	.02	.00	.30	.00	.00	1.07
AC6D3	A7C428800	39 05	120 50	3,056	Iowa Hill	31.38	4.04	11.42	2.05	1.36	3.24	6.36	.60	.04	.45	.00	.21	1.61
BC4BC	B2C432100	38 21	120 47	1,550	Jackson 1 NW	22.20	3.01	7.24	1.82	1.05	2.11	5.21	.14	.00	.45	.00	.10	1.07
BC4A3	A7C434509	38 50	120 31	3,000	Jay Bird Power House	43.08	4.65	15.11	2.56	1.83	5.34	10.13	.78	.03	.33	.00	.08	2.24
A17AC	AOC434600	40 20	122 12	355	Jelly	24.47	2.51	8.92	3.79	.99	1.32	4.03	.25	.90	T	.00	.25	1.51
BC3CC	BOC435200	38 04	120 54	235	Jenny Lind 35 W	15.56	2.04	4.80	1.96	1.10	1.17	3.56	.15	.00	.32	.00	.07	.39
A23E3	A1C437400	41 15	120 22	5,290	Jess Valley	14.41	2.63	3.31	.77	.79	1.08	1.53	.69	.54	.19	.46	.03	2.39
AC7AC	ACC444900	38 47	121 39	23	Karnak	14.12	1.62	5.59	1.34	.99	1.37	2.51	.01	.00	.06	.00	.06	.57
AC6B2	A7C448400	38 49	120 49	2,000	Kelsey IN	27.38	2.98	9.93	1.90	1.23	3.81	5.66	.10	.00	.34	.00	.09	1.34
AC4D4	A8C449100	39 00	122 50	1,345	Kelseyville 2N	20.12	1.96	8.46	1.99	.44	1.66	4.18	.08	.00	.00	.00	.07	1.28
BC2C0	B8C450800	37 40	121 25	172	Kerlinger	—	1.08	2.48	.61	.80	.00	—	—	—	—	—	—	—
A18C2	AAC454400	40 41	121 52	2,650	Kilare Power House	36.21	4.21	13.50	3.29	1.12	1.74	5.28	.55	1.49	.74	.05	.16	4.08
AC7A0	ACC457400	38 54	121 48	35	Kirkville	14.83	1.50	5.26	1.63	.92	1.45	2.30	.14	.00	.04	.00	.03	1.56
AC4D4	ABC470102	39 02	122 55	1,315	Lakeport	—	2.37	10.54	2.35	.67	—	5.12	.09	—	.00	.00	—	1.18
AC4D4	ABC470200	39 03	122 58	1,475	Lakeport 3W	29.19	2.85	12.21	2.61	.60	3.41	5.63	.17	.00	.00	.00	.00	1.71
AC2BC	ACC471200	38 29	122 03	180	Lake Solano	18.60	1.24	7.47	1.55	1.40	2.63	3.99	.02	.00	.03	.04	.03	.20
A10C4	A6C471300	39 19	120 38	5,156	Lake Spaulding	53.14	4.88	17.09	3.87	1.81	6.65	12.92	1.36	.13	.52	.00	.38	3.53
GC8BC	GAC481420	40 24	120 30	4,100	Lassen Conservation Center	—	.90	3.47	—	—	.12	.71	.00	.00	.00	.00	.00	1.25
BC4A2	B1C498600	38 35	121 00	600	Lerman Ranch	25.66	3.00	8.68	2.48	.80	4.05	4.80	.31	.04	.31	.00	.17	1.02
AC5B2	ACC494700	38 53	121 17	160	Lincoln Austin	16.80	1.75	5.57	1.64	.72	2.54	3.56	.05	.00	.15	.00	.05	.77
BC3CC	BOC495300	38 01	121 05	89	Linden Fire Station	15.94	2.14	5.28	2.23	1.33	1.12	3.08	.18	.00	.30	.00	.02	.26
A07CC	ACC499002	39 12	121 43	70	Live Oak 6 SSW	16.81	1.94	5.91	2.04	.90	2.10	2.01	.15	.00	.00	.00	.15	1.61
A07CC	ACC499004	39 15	121 38	75	Live Oak 2 SE	16.84	2.02	6.17	1.91	.94	1.74	2.29	.10	.00	.00	.00	.22	1.45
BC3BC	BOC501000	38 09	121 08	106	Lockeford	16.10	2.14	5.55	1.98	.70	1.53	2.83	.06	.00	.25	.00	.01	1.05
BC3BC	BOC503200	38 06	121 17	38	Lodi	17.19	2.61	5.10	2.27	.52	1.35	4.16	.19	.00	.24	.00	.00	.75
BC3BC	BOC503209	38 10	121 19	35	Lodi Thoepson Ranch	16.67	2.26	6.11	1.69	.99	1.28	3.06	.21	.04	.28	.00	.00	.75
A16A0	A3C5C4200	39 50	122 47	5,050	Log Spring	25.35	3.50	14.70	3.10	.50	.28	.57	.50	.00	.20	.00	.00	2.00
A1CFC	AOC5C6C01	39 18	121 24	375	Loma Rica	21.27	2.63	6.80	2.37	1.38	2.57	3.87	.00	.00	.00	.00	.30	1.35
A23D1	A1C509300	41 12	121 12	4,180	Lookout 3 WSW	21.47	2.27	7.88	.79	.28	1.64	1.56	.06	1.00	.03	2.60	.10	3.26
A23D1	A1C509500	41 21	121 08	4,500	Lookout-Shaw	18.75	2.60	6.40	1.16	.34	1.42	1.88	.19	.73	.26	.33	.19	3.25
AC5B1	AOC509600	38 49	121 11	400	Loomis	18.72	1.93	6.82	.59	1.07	2.54	4.04	.04	.01	.23	.00	.00	1.45

TABLE A-1 (CONTINUED)

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	PRECIPITATION IN INCHES TOTAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
							1984		1985									
A05B1	A05509701				Loomis No. 2	15.68	1.66	8.43	1.51	.89	1.91	3.82	.05	.00	.20	.00	.12	1.89
A05B1	A05509731	38 50	121 08	680	Loomis 3 ENE	22.89	2.25	7.96	2.05	1.52	2.35	4.68	.05	.01	.35	.00	.15	1.52
BC200	B80513050	37 59	121 51	130	Los Medinos Tank Farm	10.95	1.36	4.00	1.03	.51	.94	2.62	.26	.12	.00	.00	.00	.09
A13BC	A05513400	40 06	122 06	255	Los Molinos 6N	19.08	2.02	6.92	2.03	.90	.66	3.32	.32	.00	.02	.03	.12	2.78
AC7DC	A05522300	39 42	121 53	145	M and T Ranch	20.71	2.46	7.69	2.40	.78	.85	3.51	.52	.00	.00	.02	.08	2.20
A18A2	A05531100	40 32	121 34	5,850	Manzanita Lake	35.77	4.99	12.33	2.51	1.25	2.63	5.35	.56	1.21	.28	.03	.12	8.51
AC3A2	A05536000	38 30	122 07	480	Markley Cove	20.52	1.30	7.52	1.60	1.63	3.47	4.30	.00	.00	.07	.02	.00	.61
C06BC	G70537831	39 20	120 07	5,800	Martis Creek Dam	15.00	2.00	5.10	.70	.70	1.00	3.20	.10	.00	.20	.40	.10	1.50
AC8CC	A05538500	39 08	121 35	60	Marysville	15.45	2.44	5.24	1.48	.84	1.59	2.88	.15	.00	.00	.00	.05	.78
A05A2	A05540300	38 34	121 18	90	Mather Air Force Base	15.09	1.98	4.89	1.29	.75	1.71	3.40	.18	.00	.08	.00	.03	.78
AC7B1	A05540901	39 16	122 11	91	Maxwell	18.64	.87	7.14	1.65	.63	.63	2.83	.09	.00	.00	.00	.11	1.09
A23B1	A10543030	41 00	121 37	2,960	McArthur-Burney Falls SP	28.27	3.45	10.70	1.55	.68	2.10	3.19	.24	1.39	.59	.90	.16	3.32
A05B1	A05544700	38 39	121 23	70	McClellan Air Force Base	18.51	2.09	6.58	2.07	.74	2.76	3.06	.28	.01	.06	.00	.11	.79
A23D1	A05544900	41 16	122 08	3,300	McCloud	35.51	2.56	18.68	2.18	.39	2.38	3.93	.18	.23	.50	.94	.30	3.24
A03B0	A05559300	38 44	122 37	1,122	Middletown	39.45	2.37	16.82	3.56	1.07	6.62	6.64	.16	.06	.00	.23	.02	1.90
A03B0	A05559900	38 44	122 40	1,785	Middletown 4 WS	54.55	3.31	22.11	5.26	1.59	8.40	9.41	.16	.06	.00	.23	.00	4.02
G08A0	G60562100	40 10	120 21	4,140	Milford	10.45	2.50	2.60	.58	.52	1.20	1.46	.00	.00	.07	.69	.01	.82
A18A2	A05679000	40 21	121 36	4,910	Mineral	38.73	5.96	13.88	2.85	1.30	3.68	4.56	.52	.55	.13	.00	.10	5.60
A11C2	A05575200	39 47	120 37	4,370	Mohawk Ranger Station	23.68	1.71	8.23	1.82	.46	3.52	5.72	.00	.11	.11	.93	.01	1.06
B05B0	B20589205	38 16	120 34	2,200	Mountain Ranch 2 NW	30.58	4.06	9.30	1.82	2.07	3.72	7.33	.51	.00	.20	.00	.12	1.45
A21B2	A20598500	41 19	122 19	3,540	Mount Shasta WBO City	—	—	—	—	—	1.36	1.90	.08	.37	.10	1.69	.24	1.34
A07DC	A00613000	39 33	121 47	120	Nelson Western Camp	—	1.99	6.97	.99	.65	1.06	—	—	—	—	—	—	—
A1CBC	A00613600	39 15	121 00	2,520	Nevada City	38.75	4.54	12.74	2.91	1.31	5.59	8.27	.53	.11	.49	.05	.24	1.97
A06A3	A00615350	38 53	121 13	250	Newcastle Fowler	19.46	2.56	5.90	1.87	1.06	2.09	4.51	.10	.00	.15	.00	.03	1.19
BC5AC	B20616505	38 09	120 48	650	New Hogan	16.95	2.63	4.86	1.60	.81	2.10	4.01	.09	.00	.36	.00	.00	.89
A05B2	A00619400	38 55	121 32	43	Nicolaus 2	16.04	2.66	5.50	1.67	1.21	1.24	2.70	.11	.01	.07	.00	.08	.79
A14B2	A30621100	39 32	122 40	5,000	Noel Springs	32.70	1.70	15.00	3.20	.30	4.40	5.60	1.10	.00	.20	.00	.00	1.20
A13BC	A00621600	39 48	121 54	180	Nord Fire Station	17.31	2.38	6.93	.48	.57	.86	3.15	.72	.00	.00	.00	.10	2.12
A10C2	A00623200	39 22	120 53	3,280	North Bloomfield	38.15	4.00	11.60	3.05	2.10	4.60	9.10	1.20	.20	.30	.10	.10	1.80
A10D1	A00627400	39 22	121 06	2,081	North San Juan	35.92	4.38	12.46	2.69	2.52	4.46	6.74	.68	.00	.00	.00	.15	1.84
A23D1	A10629700	41 06	121 11	4,150	Nubieber	16.61	2.35	5.53	.86	.27	.79	2.50	.05	.97	.09	.27	.13	2.80
A23B5	A10641500	40 40	121 25	4,380	Old Station	20.60	1.99	8.45	1.20	.51	1.83	3.18	.20	.45	.51	.12	.02	2.38
A05B1	A00648134	38 41	121 13	235	Orangevale	17.82	1.92	6.85	1.79	.93	2.32	3.20	.08	.00	.25	.00	.00	.48
A07B1	A00650500	39 37	122 19	312	Orland-French Ranch	15.93	1.09	6.46	2.11	.44	.54	2.94	1.15	.00	.00	.00	.05	1.15
AC7B2	A00650600	39 45	122 12	254	Orland	17.56	1.57	7.61	2.38	.71	.41	3.44	.28	.00	.00	.00	.02	1.14
A08DC	A00652100	39 30	121 33	171	Oroville	22.86	2.40	9.06	1.90	1.24	1.97	3.13	.04	.01	.00	.00	.01	3.10
A11A2	A50652700	39 31	121 28	845	Oroville Dam	23.55	3.35	7.92	2.26	1.53	2.16	3.75	.06	.03	.12	.00	.17	2.20
A07DD	A00652335	39 38	121 38	340	Oroville 11NNW Butte College	23.85	2.86	8.18	2.08	2.07	1.43	3.17	1.61	.01	.00	.00	.11	2.38
BC4A3	A70659700	38 45	120 30	3,480	Pacific House	39.47	5.13	13.57	2.55	2.07	4.80	7.91	.46	.08	.83	.00	.27	1.80
A08DC	A00662000	39 26	121 32	156	Palermo	16.81	1.46	6.93	1.40	1.50	1.68	2.70	.00	.00	.00	.00	.19	.95
A12A0	A40668500	39 46	121 38	1,780	Paradise	38.54	3.71	18.38	2.96	1.57	4.91	6.53	.44	.06	.02	.00	.10	3.90
A12A0	A40668540	39 46	121 35	2,010	Paradise Fire Station #3	41.59	2.71	16.46	3.80	1.75	6.38	6.05	.10	.08	.00	.00	.10	4.20
A13B0	A00672600	39 53	122 32	755	Paskenta Ranger Station	—	1.67	7.89	1.98	—	—	3.84	—	.45	.33	.00	.03	2.49
A06B5	A70677309	38 47	120 26	5,175	Peavine Ridge	40.81	6.79	12.21	2.50	2.11	3.99	7.93	1.30	.13	.51	.00	.81	2.53
BC3CC	B00681915	38 08	120 55	315	Perry Ranch USCF	16.20	2.10	4.90	1.80	1.20	1.50	3.70	.10	.00	.30	.00	.10	.50
A07DD	A00684911	39 42	121 56	120	Phelan Parrott Ranch	17.94	2.22	6.70	2.47	.68	.24	3.07	.74	.00	.00	.02	.07	1.73
BC4BC	B10689800	38 24	120 38	2,350	Pine Grove Cons. Camp	30.97	3.84	9.53	1.95	1.77	3.37	8.01	.20	.00	.58	.00	.00	.41
A23C1	A10694400	41 00	121 30	2,880	Pit River Power House #1	—	2.03	6.39	1.09	.63	.68	2.08	.02	—	.44	.21	.07	2.79
A23A3	A10694600	40 59	121 59	1,458	Pit River Power House #5	49.79	3.99	20.86	4.31	1.10	4.15	5.77	.44	.87	1.31	.69	.08	6.02
A06B1	A70696000	38 43	120 47	1,890	Placerville	28.44	3.19	10.46	2.17	.95	3.41	6.13	.15	.00	.45	.00	.23	1.30
A06B1	A70696400	38 44	120 50	1,546	Placerville Disp. Plant	28.74	2.80	10.00	2.20	1.10	4.30	6.20	.00	.00	.30	.00	.20	1.64
A06B1	A70696200	38 44	120 44	2,755	Placerville IFG	29.97	3.26	12.58	1.89	.44	3.96	5.06	.28	.00	.37	.00	.16	1.97
AC2BC	A00696800	38 35	121 48	65	Plainfield 3 NNW	12.96	1.31	4.71	1.12	1.04	1.24	2.97	.30	.01	.06	.00	.02	.18
AC2BC	A90697700	38 28	122 02	250	Pleasants Valley	—	1.52	9.23	2.00	—	—	—	—	—	—	—	—	—
A11C2	A50699800	39 45	120 41	5,165	Plumas Eureka Park	42.17	3.78	13.78	3.37	1.33	3.46	10.73	.65	.62	.37	.18	.04	3.86
BC4A1	B10700003	38 31	120 55	445	Plymouth 6 WNW	20.98	2.52	7.88	1.60	.69	2.55	4.06	.03	.00	.32	.00	.15	1.23
BC4A4	B10700004	38 33	120 48	1,550	Plymouth 4 NNE	—	2.94	8.40	1.95	—	—	—	—	—	—	—	—	—
A11C2	A50708500	39 48	120 28	4,838	Portola	18.28	1.57	4.76	1.20	.29	3.08	4.66	.15	.03	.16	1.60	.00	.77
B03A2	B20713600	38 21	120 56	350	Preston School	16.58	1.64	5.86	1.69	.73	1.99	3.76	.04	.00	.00	.00	.05	.82
A11E2	A50719500	39 56	120 56	3,409	Quincy Ranger Station	28.67	2.56	10.98	2.30	1.01	4.75	4.66	.07	.17	.03	.07	.03	2.04
A1CFC	A60721500	39 26	121 19	1,400	Rackerby	31.15	3.89	9.39	3.02	1.73	3.73	7.18	.17	.12	.02	.05	.20	1.65
BC5BC	B20722121	38 18	120 32	2,540	Railroad Flat	30.10	3.45	8.41	1.89	2.30	4.12	6.37	.36	.01	.22	.70	.12	2.15
B05B0	B20722122	38 20	120 33	2,720	Railroad Flat ADR	20.80	2.80	.80	1.80	1.90	3.60	6.70	.30	.10	.20	.40	.20	2.00
A05B1	A00724700	38 35	121 18	85	Rancho Cordova	15.16	1.78	5.44	1.71	.76	1.60	3.11	.20	.00	.07	.00	.02	.47
A05B1	A00724702	38 36	121 18	68	Rancho Cordova TP	15.29	1.48	5.78	1.48	.38	2.18	3.31	.15	.00	.17	.00	.00	.36
G1000	G20726104	40 47	120 16	5,350	Ravendale 5 ESE	8.00	1.28	2.64	.36	.35	.85	.77	.14	.15	.16	.19	.00	1.11
A13BC	A00729200	40 09	122 15	341	Red Bluff WB Airport	17.01	1.83	6.69	1.95	.63	.90	3.05	.05	.18	.03	.35	.19	1.16
A17A0	A00729910	40 33	122 23	470	Redding Fire Station #4	31.27	2.80	10.51	2.44	1.20	3.20	3.26	.34	1.15	1.48	.03	.24	4.62
A05B1	A70737000	38 41	121 09	295	Represa	16.40	1.83	5.68	1.87	.74	2.02	3.08	.00	.00	.30	.00	.18	.70
AC7DC	A00742204	39 29	121 44	103	Richvale	17.22	2.50	7.33	1.22	.68	1.17	2.30	.11	.00	.00	.00	.18	1.73

TABLE A-1 (CONTINUED)

AREAL CODE	STATION NUMBER	LAT	LONG	ELEV	STATION NAME	PRECIPITATION IN INCHES TOTAL	1984 OCT	1984 NOV	1984 DEC	1985 JAN	1985 FEB	1985 MAR	1985 APR	1985 MAY	1985 JUN	1985 JUL	1985 AUG	1985 SEP
A05B1	A00744334	38 40	121 27	42	Rio Linda Treatment Plant	14.31	1.46	5.43	1.66	1.03	1.63	2.70	.16	.00	.12	.00	.00	.12
A0100	B90744600	38 08	121 41	40	Rio Vista	14.01	1.49	5.13	1.30	.62	1.86	2.63	.30	.62	.00	.03	.00	.03
A02A0	A00744604	38 09	121 46	145	Rio Vista 5W	14.07	1.40	5.45	1.32	.90	1.75	2.80	.25	.00	.20	.00	.00	.00
A07A0	A00748700	38 52	121 43	20	Robbins	15.44	2.30	5.50	1.62	.89	1.36	2.68	.06	.00	.03	.00	.03	.97
A06B4	A70748900	38 54	120 21	5,175	Robbs Peak *	45.62	6.20	17.73	2.77	2.03	4.01	7.75	1.56	.00	.41	.00	.00	3.16
A05B1	A00756530	38 43	121 11	298	Roseville Filter Plant	18.56	2.12	7.19	1.27	.90	2.55	3.88	.00	.00	.00	.00	.00	.65
A18C3	A20758100	40 48	121 56	2,100	Round Mountain PG and E	44.18	4.58	17.05	2.60	1.22	4.26	5.45	.46	1.22	.78	.23	.25	6.08
A05B2	A00762934	38 41	121 35	18	Sacramento Metro Airport	10.83	1.07	4.25	.93	.73	1.31	2.21	.02	.00	.03	.00	.00	.28
A05A2	A00763000	38 31	121 30	17	Sacramento WB AP	11.16	1.39	3.61	1.23	.65	1.52	1.98	.00	.01	.15	.00	.06	.56
A05A2	A00763300	38 35	121 29	25	Sacramento WB City	15.78	1.87	5.46	1.75	1.07	1.85	2.79	.11	.02	.14	.00	.01	.71
G0700	G70764100	39 25	120 14	6,337	Sagehen Creek	25.11	2.09	9.35	.96	.54	3.14	5.53	.13	.14	.30	.61	.14	2.18
B04C0	B20768900	38 29	120 12	3,700	Salt Springs Power House	39.27	4.32	12.29	2.54	1.77	4.66	8.38	.98	.00	.36	.23	.16	3.58
B05C0	B20770200	38 09	120 40	830	San Andreas 2S	24.11	3.29	6.46	2.15	1.68	3.37	5.76	.33	.00	.52	.00	.10	.45
B05C0	B20770500	38 11	120 40	1,100	San Andreas Ranger Station	21.93	3.03	5.53	1.72	1.36	3.69	5.28	.20	.00	.50	.00	.09	.53
A20A0	A20813500	40 43	122 25	1,076	Shasta Dam	45.64	2.74	20.37	3.02	1.21	3.18	4.34	.67	.25	2.14	1.09	.25	6.38
A20B0	A00813410	40 36	122 29	1,020	Shasta State Park	44.77	2.64	21.83	2.24	1.19	3.99	3.67	.58	1.27	.98	.54	.32	5.52
B05C0	B20814500	38 12	120 27	2,350	Sheep Ranch	27.10	3.30	8.40	1.90	1.50	3.00	6.80	.20	.10	.20	.10	.10	1.50
A18B2	A40817550	40 30	121 54	2,800	Shingletown 2NW	39.35	4.57	14.74	4.40	1.55	2.56	5.73	.50	1.10	.10	.24	.32	3.54
A10E4	A60820700	39 33	120 38	4,150	Sierra City	47.91	6.14	15.42	3.50	.84	8.93	10.10	.91	.46	.30	.30	.28	3.73
A11C4	A50821800	39 35	120 22	4,975	Sierraville Ranger Station	20.17	2.24	6.99	.72	.65	2.93	4.91	.16	.02	.20	.61	.08	.66
A10A1	A00830000	39 12	121 17	800	Smartsville	25.20	3.16	7.66	2.25	1.05	3.84	5.45	.14	.00	.15	.00	.17	1.33
B030C	B00832200	37 56	120 49	240	Snow Ranch	12.06	1.45	4.03	1.68	1.00	.90	2.29	.14	.00	.28	.00	.00	.29
B030C	B00855800	37 54	121 15	22	Stockton WB AP	10.90	1.47	3.53	1.69	.67	.85	2.21	.13	.00	.22	.05	.01	.07
B03B0	B00856000	38 00	121 18	12	Stockton Fire Station 4	13.02	1.48	4.24	1.80	.86	1.35	2.59	.27	.00	.21	.00	.00	.22
A07B1	A00857600	39 39	122 23	540	Stone Valley	15.64	1.18	6.00	1.99	.40	.50	2.86	.15	.00	.00	.00	.00	2.56
A14C1	A30858000	39 23	122 32	1,168	Stonyford Ranger Station	—	1.04	5.99	2.46	.40	1.31	2.82	.32	.00	—	.00	.10	.88
A14C3	A30857801	39 15	122 39	3,000	Stonyford-Amigeo	36.55	2.52	15.86	4.30	.92	4.69	5.30	.64	.19	.00	.23	.08	1.82
A14B2	A30858700	39 35	122 32	770	Stony Gorge Reservoir	—	—	—	—	—	—	—	—	—	—	—	—	—
A10E1	A60860600	39 22	121 06	3,808	Strawberry Valley	54.23	5.40	20.10	3.08	2.40	5.79	11.68	1.52	.06	.10	.22	.15	3.73
G08B0	G70863609	39 04	120 07		Sugar Pine Point	25.67	2.66	9.19	1.64	.76	3.02	5.37	.37	.02	.31	.29	.07	1.97
A17A0	A00864550	40 41	122 23	800	Summit City	43.30	2.55	16.38	2.68	1.09	3.85	4.60	.51	.81	1.73	1.10	.25	7.75
G08B0	G40870200	40 23	120 33	4,148	Susanville Airport	8.76	1.39	2.96	.58	.73	1.03	1.38	.01	.05	.00	.03	.00	.60
B05B0	B20872905	38 16	120 29	2,280	Swiss Ranch Road	30.25	3.85	9.05	1.75	2.10	3.35	7.95	.55	.30	.00	.00	.25	1.10
G05B0	G70875800	39 09	120 08	6,230	Tahoe City	24.43	3.34	9.25	1.40	.35	1.90	5.90	.14	.00	.39	.21	.11	1.44
G1000	G20887303	40 52	120 26	5,300	Termo 1E	8.19	1.29	1.86	.32	.66	.75	1.23	.05	.19	.05	.26	.05	1.48
A0800	A00889404	39 30	121 41	141	Thermalito Afterbay	16.49	2.30	6.36	1.77	.79	.88	2.25	.00	.00	.00	.08	.14	1.92
B04C0	B20892800	38 26	120 29	2,355	Tiger Creek Power House	35.46	4.34	10.96	2.62	2.14	4.65	8.67	.36	.01	.30	.00	.14	1.27
A07A0	A00893300	39 01	121 49	40	Tisdale Weir	16.19	1.55	6.18	1.76	.87	1.31	2.79	.40	.00	.01	.00	.08	1.24
A07A0	A00893301	39 01	121 46	30	Tisdale Bypass	20.44	1.65	10.74	1.75	.92	1.32	2.53	.24	.00	.00	.00	.12	1.17
A05B1	A00898434	38 36	121 24	50	Town and Country Mitchell	17.76	1.97	6.06	1.90	.82	1.91	2.74	.25	.02	.16	.00	.03	1.30
B0100	B90899900	37 41	121 24	137	Tracy Carbona	7.23	1.17	2.72	.62	.45	.50	1.46	.25	.00	.00	.00	.00	.06
B0100	B90900100	37 47	121 34	61	Tracy Pumping Plant	9.50	1.41	3.80	1.25	.42	.81	1.20	.21	.00	.40	.00	.00	.00
A14C1	A30903615	39 18	122 39	4,000	Trough Springs	31.32	.32	14.10	3.50	.80	4.70	5.30	1.00	.00	.30	.00	.00	1.30
G06B0	G70904300	39 19	120 11	5,995	Truckee Ranger Station	25.33	2.43	7.87	1.47	.59	3.54	6.47	.23	.01	.45	.63	.10	1.54
A11E1	A50909500	40 01	121 04	2,840	Twain	27.97	2.39	9.54	1.93	1.07	3.93	6.36	.15	.06	.00	.15	.00	2.39
A06B6	A70910500	38 42	120 02	7,829	Twin Lakes	35.15	4.20	10.78	1.96	1.19	3.12	8.14	.85	.07	.44	.53	.33	3.54
A06B3	A70914300	38 51	120 26	4,785	Union Valley	43.19	4.74	13.53	3.17	2.07	5.48	9.82	1.29	.11	.51	.00	.12	2.35
A0405	A80916700	39 11	123 02	1,524	Upper Lake 7 W	36.13	2.89	14.26	2.76	.86	4.19	8.64	.28	.06	.00	.00	.12	2.07
A02A0	A00920000	38 21	121 56	104	Vacaville	—	1.57	8.13	1.44	.97	2.81	—	—	—	.00	.00	.00	.53
A05B2	A00930700	38 47	121 35	43	Verona	14.91	1.67	5.33	1.54	1.19	1.19	3.27	.07	.01	.06	.00	.10	.48
A13B0	A00933902	39 56	122 02	235	Vina 1 NE	19.55	2.03	8.75	1.83	.70	.63	3.25	.53	.00	.00	.00	.14	1.69
A11C4	A50935100	39 49	120 11	4,945	Vinton	8.61	1.48	2.44	.39	.47	.99	1.77	.00	.00	.25	.00	.06	.76
A18A2	A40939000	40 27	121 52	2,200	Volta Power House	25.46	3.17	8.32	3.39	1.18	1.08	3.84	.81	.53	.09	.23	.13	2.69
A0100	B90942800	38 14	121 31	20	Walnut Grove	16.68	1.59	5.78	1.72	1.31	2.32	3.57	.07	.00	.24	.00	.00	.08
A10C1	A60945429	39 18	120 56	3,800	Washington Ridge	41.60	5.70	16.73	2.68	6.55	1.52	5.87	.00	.00	.39	.00	.00	2.16
A10C2	A60945500	39 21	120 47	2,680	Washington	39.09	4.31	15.59	3.05	1.18	5.24	6.40	.77	.16	.39	.01	.00	1.99
G08B0	G40952601	40 21	120 12	4,040	Wendel 1 E	6.82	1.47	1.57	.25	.64	.88	1.42	.02	.00	.10	.01	.00	.46
B04C0	B20958200	38 24	120 32	2,740	West Point	—	3.31	9.13	1.90	1.64	3.30	5.20	.23	.03	.40	—	—	1.29
A08B0	A00960500	39 02	121 23	105	Wheatland 2NE	21.89	6.80	5.60	1.60	1.20	2.39	3.40	.10	.00	.00	.00	.00	.80
A19B2	A30962100	40 37	122 32	1,310	Whiskeytown Reservoir	46.11	2.71	21.86	3.30	1.26	3.27	5.39	.46	.73	1.09	.97	.35	4.72
A07B1	A00967700	39 09	122 09	90	Williams	—	.96	6.43	1.77	.68	—	2.01	.02	.00	.00	.00	.00	1.64
G08D0	G40969031	40 34	120 40	4,930	Willow Creek Murrer Ranch	11.92	1.01	4.88	.21	.62	1.42	1.80	.10	.08	.06	.27	.08	1.39
A07B1	A00969910	39 31	122 18	233	Willows 6W	15.35	.91	6.87	2.12	.53	.50	3.06	.47	.00	.00	.00	.07	.82
A02B0	A00974200	38 31	121 58	135	Winters	17.77	1.17	7.50	1.36	1.53	2.06	3.75	.06	.00	.04	.00	.06	.24
A02B0	A00974213	38 35	121 59	177	Winters 4N	16.20	1.25	7.26	1.32	1.18	1.60	3.25	T	.00	.00	.00	.09	.25
A02A0	A00974216	38 31	121 53	99	Winters Lewis Ranch	16.89	1.29	8.54	1.22	1.07	1.59	3.02	.07	.00	.01	.00	.00	.08
A02A0	A00974500	38 30	121 58	137	Winters Wolfskill Ranch	17.85	1.12	7.50	1.58	1.45	2.40	3.78	.02	.00	.00	.00	.00	.00
G04A0	G80977500	38 46	119 49	5,671	Woodfords	18.38	1.97	5.45	.63	1.03	1.09	4.42	.20	.00	.29	.49	.00	2.81
A02B0	A00978100	38 41	121 47	69	Woodland 1 WNW	15.50	1.60	6.83	1.21	.87	1.50	2.69	.43	.00	.05	.00	.05	.27
A02B0	A00978300	38 40	121 50	95	Woodland 3 W	16.21	1.75	6.91	1.20	1.07	1.63	2.81	.42	.02	.06	.01	.04	.29
A13B0	A00979250	39 54	122 05	180	Woodson Bridge State Park	22.70	4.22	11.29	.20	.68	.00	4.29	.42	.01	.00	.00	.39	1.20
A07B1	A00983703	38 45	121 46	52	Yolo 2 NE	13.67	1.66	5.41	1.10	.87	1.30	2.76	.22	.00	.00	.00	.08	.27
B03B0	B00985900	38 11	121 14	65	Youngstown	15.50	1.97	5.44	2.00	1.06	1.44	2.91	.20	.00	.25	.00	.00	.23
A08B0	A00987100	39 07	121 36	60	Yuba City	16.27	2.74	5.67	1.73	.83	1.69	2.32	.21	.00	.00	.03	.15	.90

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TABLE A-2
STORAGE GAGE PRECIPITATION DATA

Storage gages are used to record seasonal precipitation in remote regions. They consist of tanks which store an entire year's precipitation and are read annually. Although logistics preclude conducting the measurement exactly at the end of the water year, the gages reasonably depict the total precipitation for the water year since precipitation during the summer months is negligible. In preparation for a new water year, the tanks are emptied, cleaned, and supplied with antifreeze and oil to prevent freezing and loss due to evaporation. Table A-2 lists the values from the storage gages. The locations of the storage gages are shown in Figure 3.

The counties in which storage gage stations are located are identified with the code listed below:

County	Code
Alpine	ALP
Colusa	COL
Glenn	GLE
El Dorado	ELD
Lassen	LAS
Modoc	MOD
Nevada	NEV
Placer	PLA
Plumas	PLU
Siskiyou	SIS
Shasta	SHA
Tehama	TEH

TABLE A-2
STORAGE GAGE PRECIPITATION DATA

Station Name	Station Number	Areal Code	County	Lat.	Long.	Elev.	Measurement Period	Precipitation (Inches)
Sacramento River Basin								
Pit River A1								
Blacks Mountain	A10 0867	A23C1	LAS	40-46-00	121-12-00	7200	07/23/84 to 06/17/85	22.87
Butte Lake	A10 1238	A23B6	LAS	40-33-48	121-18-06	6060	09/29/84 to 09/18/85	34.15
Dead Horse Reservoir 2SE	A10 2320	A23E4	MOD	41-42-00	120-33-00	5075	07/25/84 to 06/20/85	12.58
Lassen Creek - Upper	A10 4815	A24A0	MOD	41-45-	120-14-42	6775	07/26/84 to 06/20/85	18.65
Long Bell Station	F10 5081	A23D3	MOD	41-28-00	121-25-00	4375	07/17/84 to 06/25/85	18.65
Medicine Lake	F10 5505	A23C3	SIS	41-35-00	121-37-00	6725	07/17/84 to 06/25/85	32.90
Patterson Meadow	A10 6750	A23E3	MOD	41-11-00	121-12-00	7000	07/25/84 to 06/19/85	14.59
Pepperdines Camp	A10 6803	A23E2	MOD	41-26-30	120-14-00	6650	07/25/84 to 06/19/85	27.27
Sweagert Flat	A10 8718	A23D2	MOD	41-14-	120-47-30	6000	07/24/84 to 06/18/85	26.75
Shasta Lake A2								
Mount Shasta Slope	A20 5982	A21B2	SIS	41-22-00	122-16-00	7500	07/19/84 to 06/27/85	45.83
Stouts Meadow	A20 8591	A22A4	SHA	41-10-00	121-56-00	5300	07/18/84 to 06/26/85	47.64
Sacramento Valley Westside A3								
Alder Springs	A30 0090	A14B1	GLE	39-39-39	122-42-26	4400	10/11/84 to 10/01/85	33.30
Ball Mountain L.O.	A30 0468	A16A0	TEH	39-56-00	122-47-00	6500	07/12/84 to 06/10/85	34.80
Log Spring	A30 5042	A16A0	TEH	39-49-36	122-47-29	5050	10/10/84 to 10/01/85	31.60
Noel Spring	A30 6211	A14B2	GLE	39-32-16	122-40-03	5000	10/11/84 to 10/02/85	30.90
Saddle Camp R.S.	A30 7637	A19A1	TEH	40-11-00	122-48-00	3850	07/19/84 to 06/09/85	28.88
Trough Spring	A30 9037	A14C1	COL	39-17-48	122-39-11	4000	10/12/84 to 10/02/85	29.90
Sacramento Valley Northeast A4								
DeWitt Peak 2WSW	A40 2416	A15C2	TEH	40-08-43	121-58-23	1480	07/13/84 to 06/14/85	17.65
Hogback Road	A40 4019	A15D2	TEH	40-13-27	122-00-03	1320	07/09/84 to 06/10/85	19.05
McCarthy Point	A40 5444	A15C2	TEH	40-11-00	121-41-00	3800	07/11/84 to 06/12/85	29.50
Twenty Mile Hollow	A40 9098	A15C1	TEH	40-07-33	121-48-12	2800	07/11/84 to 06/12/85	20.85
Feather River A5								
Boulder Creek G.S.	A50 1002	A11E4	PLU	40-11-52	120-36-45	5020	08/22/84 to 08/21/85	19.58
Camel Peak	A50 1348	A11C1	PLU	39-43-26	121-05-58	5560		
Clarks Peak 1 NE	A50 1783	A11E5	PLU	40-12-50	120-29-34	5910	08/22/84 to 08/21/85	19.49
Clover Valley	A50 1845	A11E6	PLU	39-56-40	120-27-00	5500	08/21/84 to 08/20/85	14.90
Granite Spring	A50 3544	A11E5	PLU	40-06-23	120-20-34	5765	08/22/84 to 08/21/85	15.92
Lights Creek	A50 4932	A11E3	PLU	40-13-48	120-42-30	5320	08/22/84 to 08/22/85	25.09
Little Last Chance Valley	A50 4977	A11C5	PLU	39-57-40	120-13-00	5730	08/21/84 to 08/20/85	13.87
Mt. Hough Snowcourse	A50 5956	A11E2	PLU	40-02-29	120-52-43	6760	08/21/84 to 08/19/85	35.32
Onion Valley	A50 6452	A11C2	PLU	39-48-00	120-53-06	6530	08/20/84 to 08/19/85	39.48
Swain Mountain	A50 8716	A11D2	PLU	40-26-40	121-06-00	6160	08/22/84 to 08/21/85	53.82
Three Mile Valley	A50 8909	A11C3	PLU	39-54-05	120-34-15	5900	08/21/84 to 08/20/85	27.19
American River A7								
Brushy Springs G.S.	A70 1133	A06C2	PLA	39-00-20	120-34-40	4880	08/17/84 to 08/30/85	37.89
Robertson Flat	A70 7492	A06C2	PLA	39-09-26	120-30-06	6740	08/17/84 to 08/30/85	56.23
The Cedars	A70 8881	A06D5	PLA	39-15-00	120-21-12	5900	08/08/83 to 09/06/85	141.42
Westville	A70 9597	A06D5	PLA	39-10-30	120-39-08	5290	08/17/84 to 08/30/85	51.17
San Joaquin River Basin								
Cosumnes River B1								
Lumberyard	B10 5189	B04C0	ELD	38-32-55	120-18-24	6480	08/14/84 to 08/09/85	56.40
Mokelumne-Calaveras Rivers B2								
Highland Lakes	B20 3952	B04C0	ALP	38-29-48	119-47-48	8700	07/18/84 to 08/15/85	24.00
North Lahontan Area								
Madeline Plains G2								
Dodge Reservoir 3 NNE	G20 2460	G11O0	LAS	41-00-30	120-07-30	6400	07/24/84 to 06/18/85	12.73
Eagle Lake G3								
Champs Flat	G30 1644	G08C1	LAS	40-41-42	120-57-30	5590	07/23/84 to 06/17/85	12.20
Truckee River G7								
Brockway Summit	G70 1096	G05B0	NEV	39-16-	120-04-	7200	09/18/84 to 09/18/85	26.10

APPENDIX B

SURFACE WATER MEASUREMENT

APPENDIX B
SURFACE WATER MEASUREMENT

Appendix B presents the daily mean discharges and daily mean stages (water levels) at designated stations in Northeastern California for the water year October 1, 1984 through September 30, 1985. Daily mean discharge data are contained in Table B-1, pages 38 through 99. Daily mean stage data are listed in Table B-2, pages 101 through 115. These data are presented by station in downstream order. (Stations on a tributary are arranged in downstream order with respect to the tributary flow, and are listed between the main stream stations that straddle the tributary junction.)

Surface water stations are named for the stream and a landmark or post office, such as "Bear Creek near Lodi." The first character of a surface water station number designates the basin in which the station is located and for this volume, is one of the areal code letters shown in Figure 1. The second character, a numeric, designates a specific tributary area within the major basin. These two characters, therefore, indicate the general location of the station.

The discharge table data includes the maximum and minimum discharges and their corresponding gage heights, the maximum discharge of record, station description, and other pertinent data concerning each station. Discharge stations in this appendix are listed on pages 30 and 31. Their locations are shown on Figure 4, pages 32 through 37. The basins and tributary areas pertaining to the discharge measurements are:

BASIN A - SACRAMENTO RIVER
- Tributary area 0 - Sacramento Valley Floor
- Tributary Area 1 - Pit River
- Tributary Area 4 - Sacramento Valley Northeast
- Tributary Area 8 - Cache Creek
- Tributary Area 9 - Putah Creek

BASIN B - SAN JOAQUIN RIVER
- Tributary Area 0 - San Joaquin Valley Floor

BASIN G - NORTH LAHONTAN
- Tributary Area 1 - Surprise Valley
- Tributary Area 3 - Eagle Lake
- Tributary Area 6 - Herlong

The discharge estimated for periods of no 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 have been rounded as follows:

Daily flows - second-feet

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

Monthly means - second-feet

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

Monthly and yearly totals - acre-feet

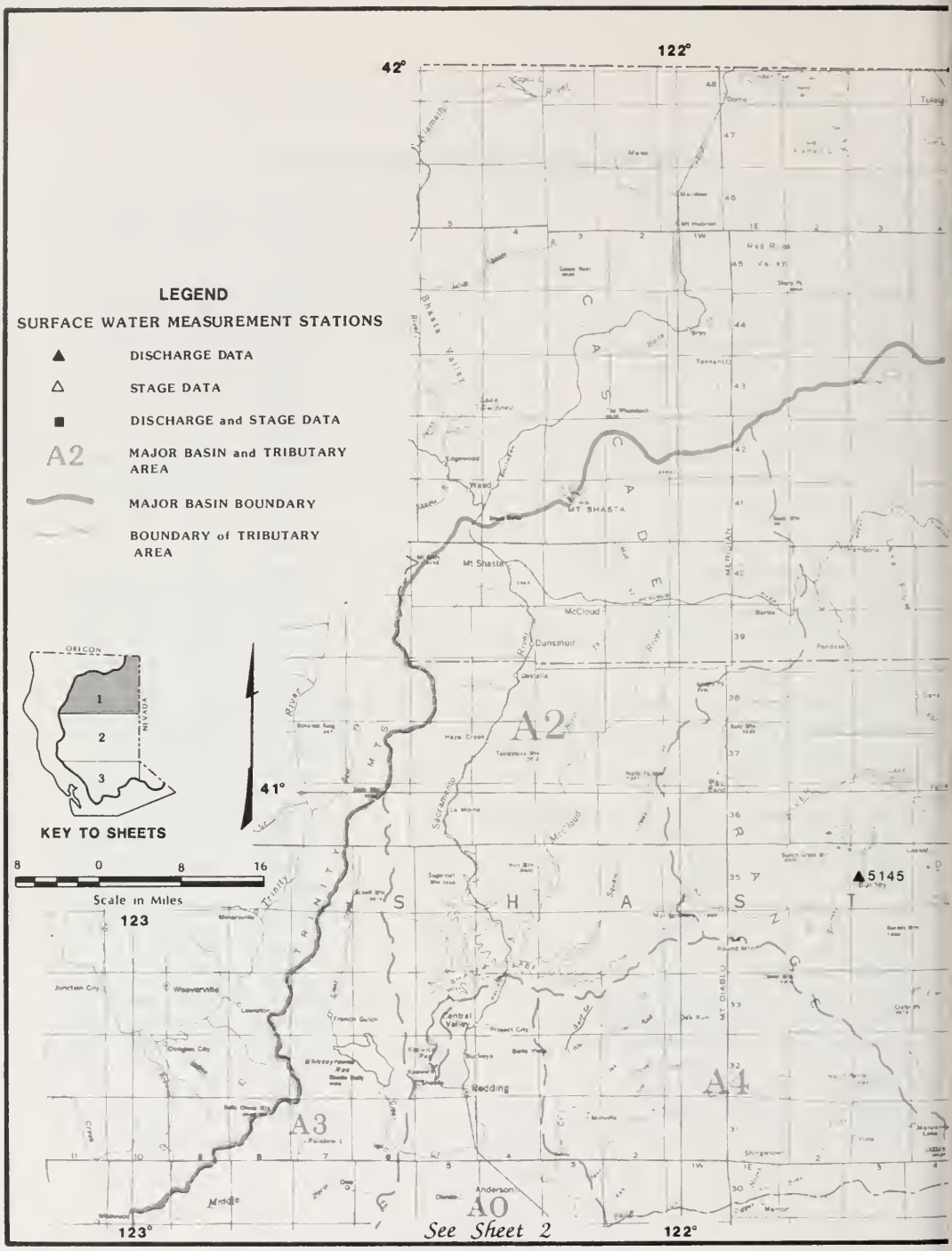
0.0	-	9,999	nearest Unit
10,000	-	99,999	nearest Ten
100,000	-	999,999	nearest Hundred
1,000,000	-	9,999,999	nearest Thousand

Index to Daily Mean Discharge Table

Station Name	Station Number	Map Page	Data Page
Alder Creek at Glenbrook	A85710	36	78
Ash Creek at Adin	A18350	33	39
Bear Creek near Lodi	B02010	37	93
Bear Creek near Rumsey	A81250	36	81
Bidwell Creek near Ft. Bidwell	G12200	33	94
Big Chico Creek at Chico	A04250	34	52
Burney Creek at Park Ave near Burney	A15145	32	40
Butte Creek near Durham	A04265	34	66
Butte Slough at Outfall Gates	A02967	34	56
Butte Slough near Meridian	A02972	34	68
Cache Creek at Rumsey	A81135	36	82
Calavaras River near Stockton	B02520	37	89
Cedar Creek at Cedarville	G15150	33	95
Cherokee Canal near Richvale	A02984	34	67
Colusa Basin Drain at Highway 20	A02976	34	61
Colusa Basin Drain at Knights Landing	A02945	36	64
Colusa Weir Spill to Butte Basin near Colusa	A02981	34	55
Cottonwood Creek North Fork near Igo	A03545	34	41
Dry Creek below Roseville	A00041	37	85
Duck Creek near Stockton	B02835	37	92
Eagle Creek at Eagleville	G17150	33	96
Emerson Creek near Eagleville	G14500	33	97
Feather River near Gridley	A05165	34	74
Fremont Weir Spill to Yolo Bypass	A02930	36	65
French Camp Slough near French Camp	B02805	37	91
Freshwater Creek near Williams	A00647	34	62
High Valley Creek above Kelsey Creek	A85610	36	80
Honcut Creek, North, near Bangor	A05735	35	87
Kelsey Creek at Glenbrook	A85701	36	77
Kelsey Creek below Kelseyville	A85005	34	79

Index to Daily Mean Discharge Table (Continued)

Station Name	Station Number	Map Page	Data Page
Lindo Channel near Chico	A00615	34	49
Little Chico Creek near Chico	A04280	34	50
Little Chico Diversion near Chico	A04910	34	51
Long Valley Creek near Hallelujah Junction	G61705	35	99
Middle Creek near Upper Lake	A81810	34	76
Mill Creek near Mineral	A44180	34	44
Mosher Creek near Stockton	B02008	37	88
Moulton Weir Spill to Butte Basin near Colusa	A02986	34	54
Mud Creek Diversion at Chico	A00928	34	48
Mud Creek near Chico	A04242	34	47
Pine Creek at Eagle Lake near Susanville	G31140	33	98
Pine Creek near Alturas	A14100	33	38
Pope Creek near Pope Valley	A95010	36	83
Putah Creek, South Fork, near Davis	A09115	36	86
Reclamation District #70 Drain to Sacramento River	A02965	34	59
Reclamation District #108 Drain to Sacramento River	A02933	36	58
Reclamation District #787 Drain to Colusa Basin Drain	A02950	36	63
Reclamation District #787 Drain to Sacramento River	A02955	36	60
Reclamation District #1500 Drain to Sacramento Slough	A02926	36	72
Reclamation District #1660 Drain to Sutter Bypass near Tisdale	A05922	34	69
Reclamation District #1660 Drain to Tisdale Bypass	A02963	34	71
Red Bank Creek near Red Bluff	A03460	34	43
Reeds Creek at Wilder Road	A00268	34	42
Sacramento River at Hamilton City	A02630	34	46
Sacramento River at Ord Ferry	A02570	34	53
Sacramento River at Vina Bridge	A02700	34	45
Sacramento Slough at Sacramento River	A02925	36	73
Sacramento Weir Spill to Yolo Bypass	A02903	36	84
Scotts Creek at Eickhuff Road near Lakeport	A81845	34	75
Stockton Diversion Canal at Stockton	B02580	37	90
Tisdale Weir Spill to Sutter Bypass	A02960	34	57
Wadsworth Canal near Sutter	A05929	34	70


LEGEND
SURFACE WATER MEASUREMENT STATIONS
DISCHARGE DATA
STAGE DATA
DISCHARGE and STAGE DATA
A2
MAJOR BASIN and TRIBUTARY AREA
MAJOR BASIN BOUNDARY
BOUNDARY of TRIBUTARY AREA
OREGON
NEVADA
1
2
3
KEY TO SHEETS
8 0 8 16
Scale in Miles
42°
41°
123°
122°
A2
A3
A4
A0
5145
Redding
Anderson
Mt Shasta
McCloud
Dunsmuir
See Sheet 2

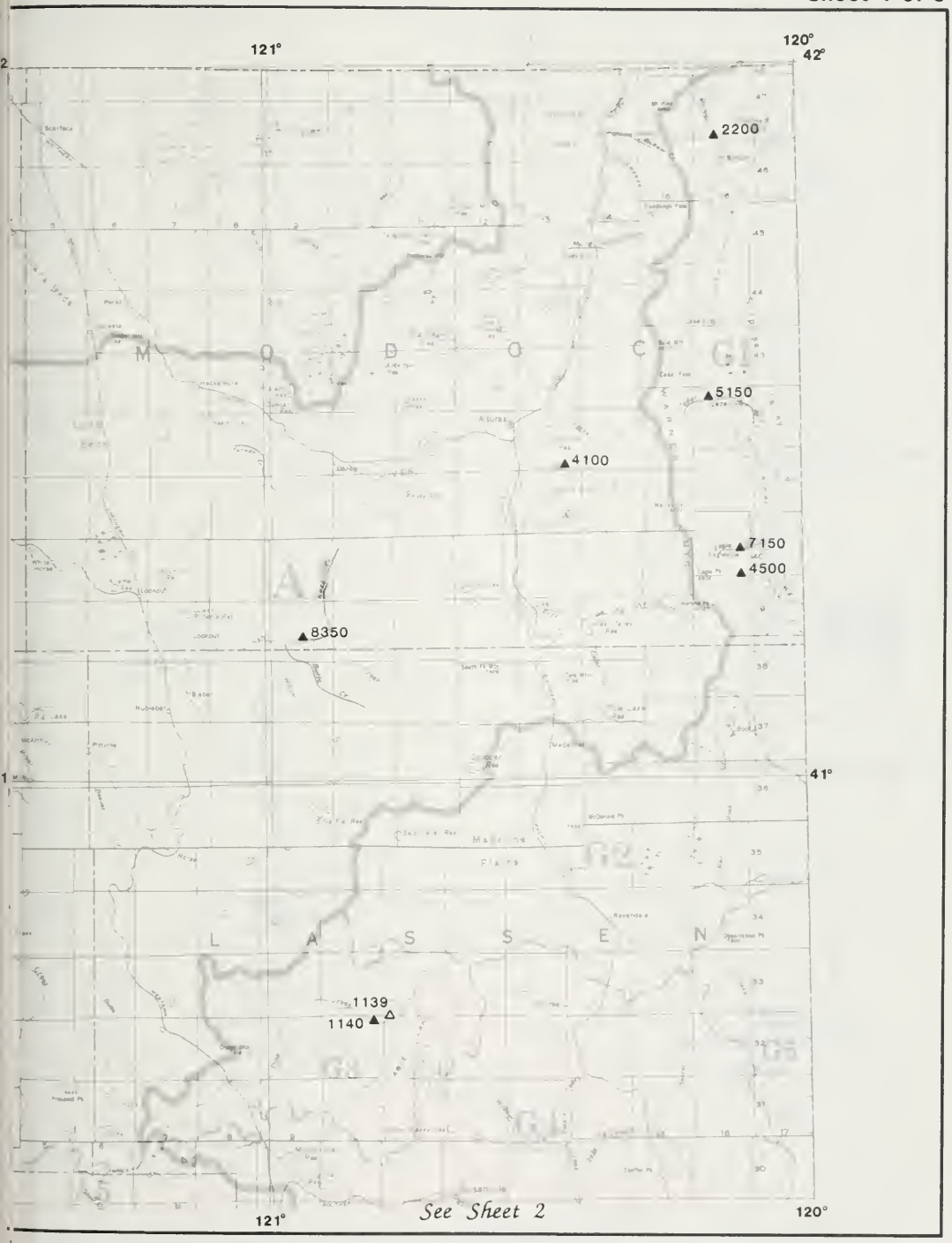
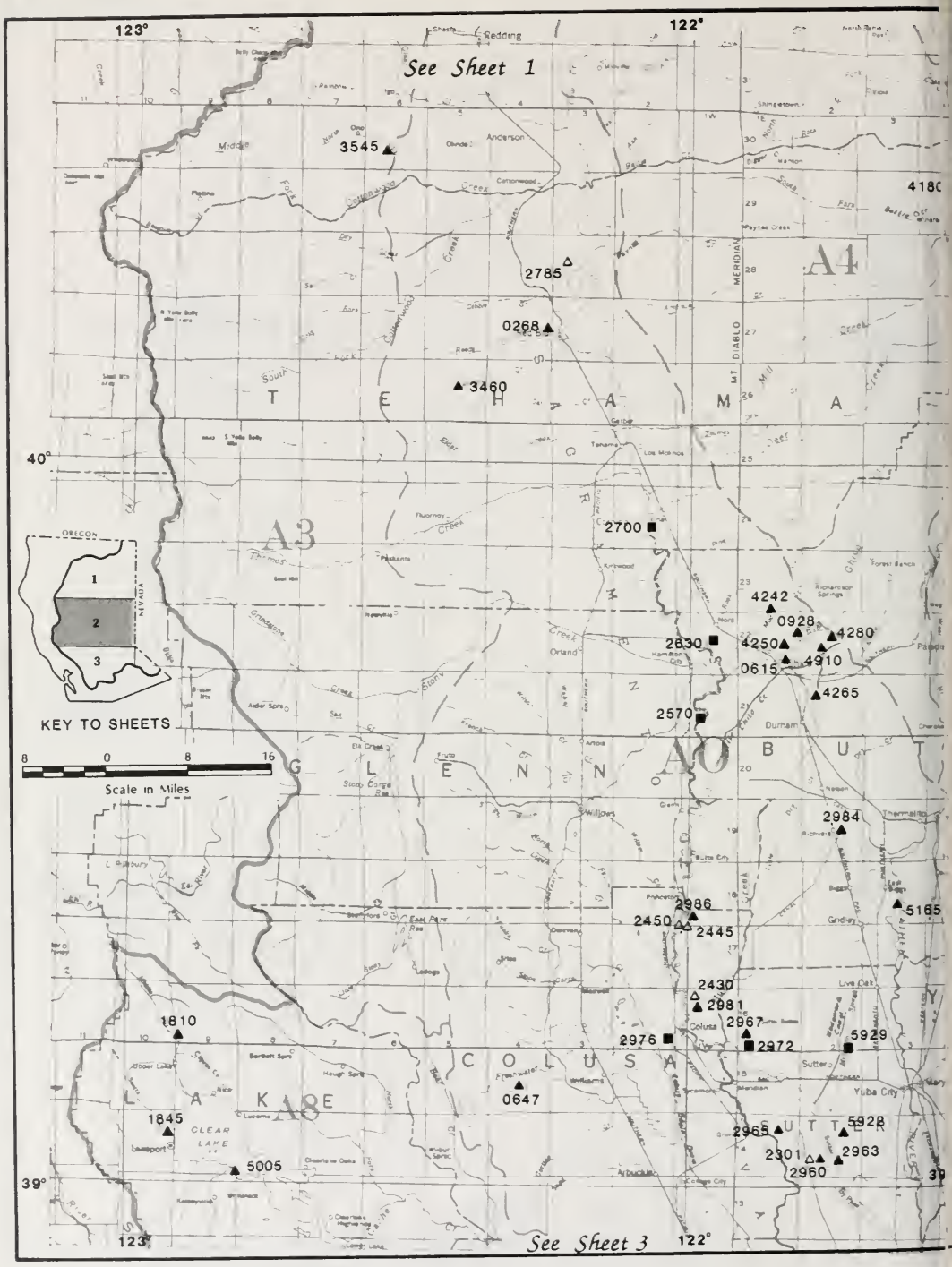


Figure 4. LOCATION OF SURFACE WATER MEASUREMENT STATIONS


123°
122°
Redding
See Sheet 1
Anderson
3545
4180
2785
0268
3460
A4
T E H A M A
40°
A3
2700
OREGON
NEVADA
1
2
3
KEY TO SHEETS
8 0 8 16
Scale in Miles
4242
0928
4280
2630
4250
0615
4910
4265
2570
Durham
A0
B U T T E
G L E N N
2984
5165
2986
2450
2445
2430
2981
2967
2976
2972
5929
1810
C O L U S A
0647
L A K E
1845
CLEAR LAKE
5005
2965
5928
2301
2963
2960
S U T T E R
39°
See Sheet 3
123°
122°

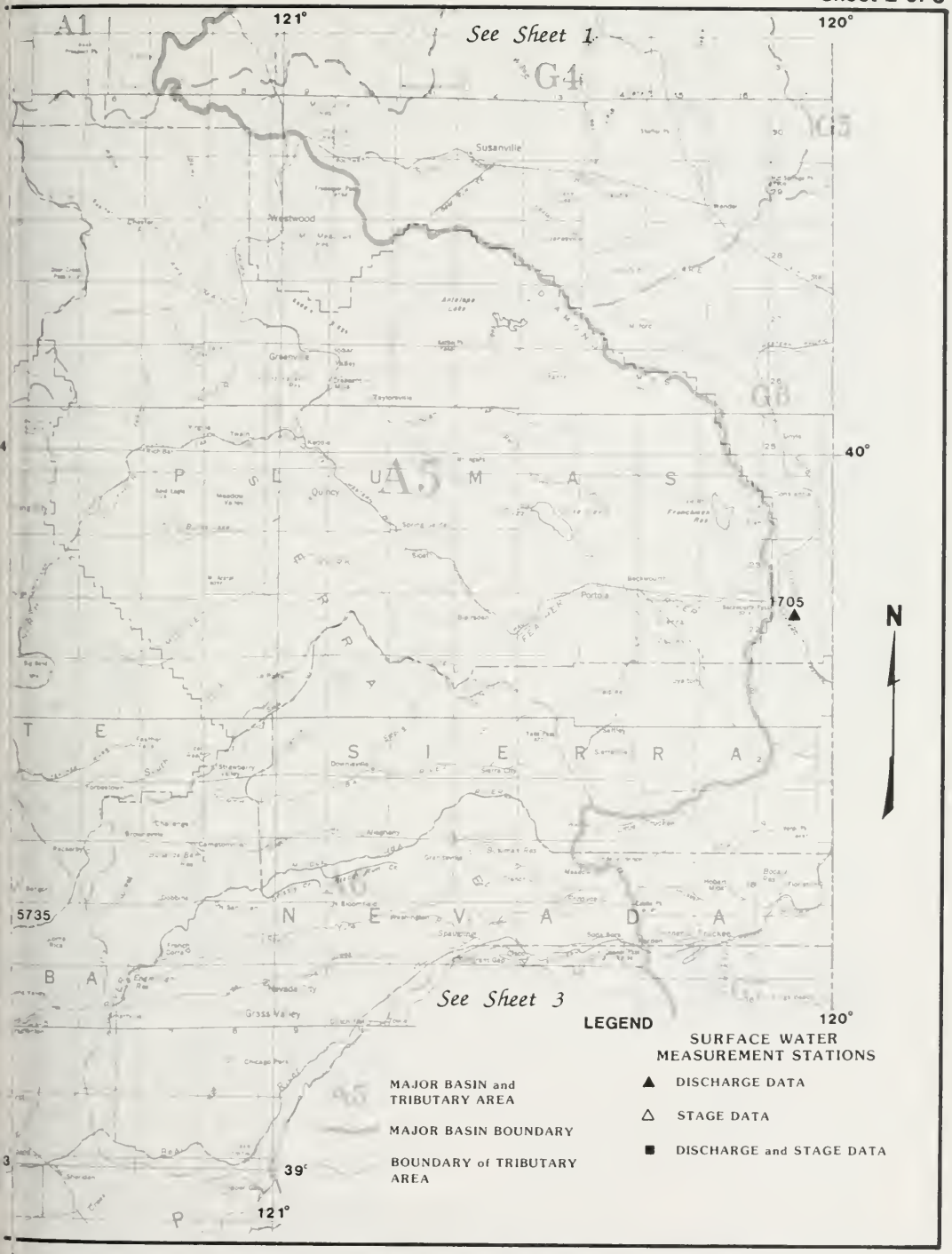
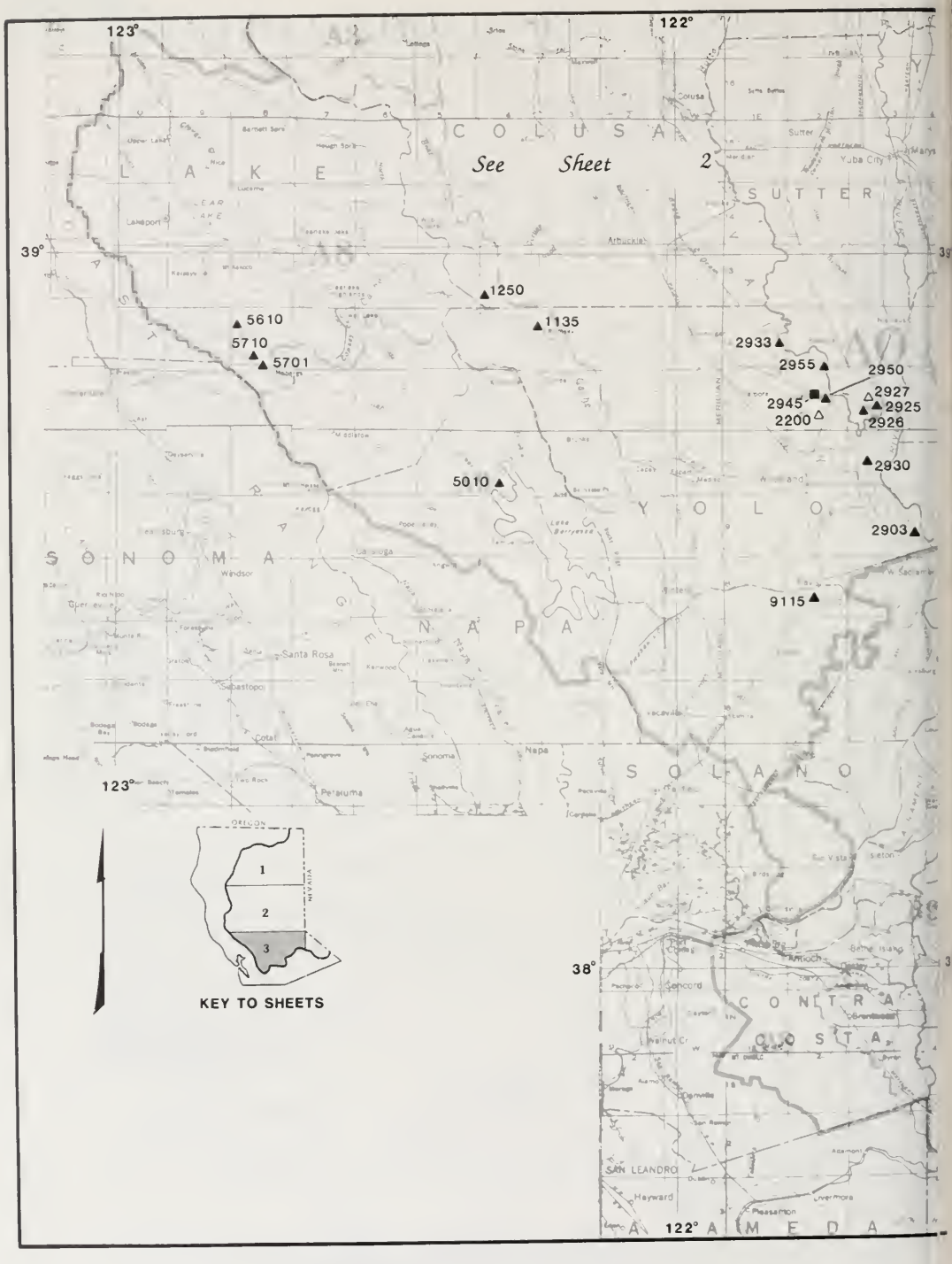


Figure 4 LOCATION OF SURFACE WATER MEASUREMENT STATIONS


123°
122°
39°
38°
See Sheet 2
C O L U S A
L A K E
S U T T E R
Y O L O
S O N O M A
N A P A
S O L A N O
C O N T R A
C O S T A
A L A M E D A
1250
1135
5610
5710
5701
2933
2955
2950
2927
2945
2925
2200
2926
2930
5010
2903
9115
Colusa
Sutter
Yuba City
Lakeport
Upper Lake
Lucerne
Clear Lake
Kelseyville
Middletown
Calistoga
Windsor
Healdsburg
Santa Rosa
Sebastopol
Cotati
Petaluma
Sonoma
Napa
Vacaville
Fairfield
Suisun
Vallejo
Benicia
Martinez
Pittsburg
Antioch
Concord
Walnut Cr
Danville
San Ramon
Alamo
Livermore
Pleasanton
Hayward
SAN LEANDRO
Oakland
Berkeley
Richmond
Bodega Bay
Bodega
Tomales
Two Rocks
Bloomfield
Penngrove
Forestville
Guerneville
Monte Rio
Kenwood
Glen Ellen
Agua Caliente
Napa
Rio Vista
Isleton
Bethel Island
OREGON
NEVADA
1
2
3
KEY TO SHEETS

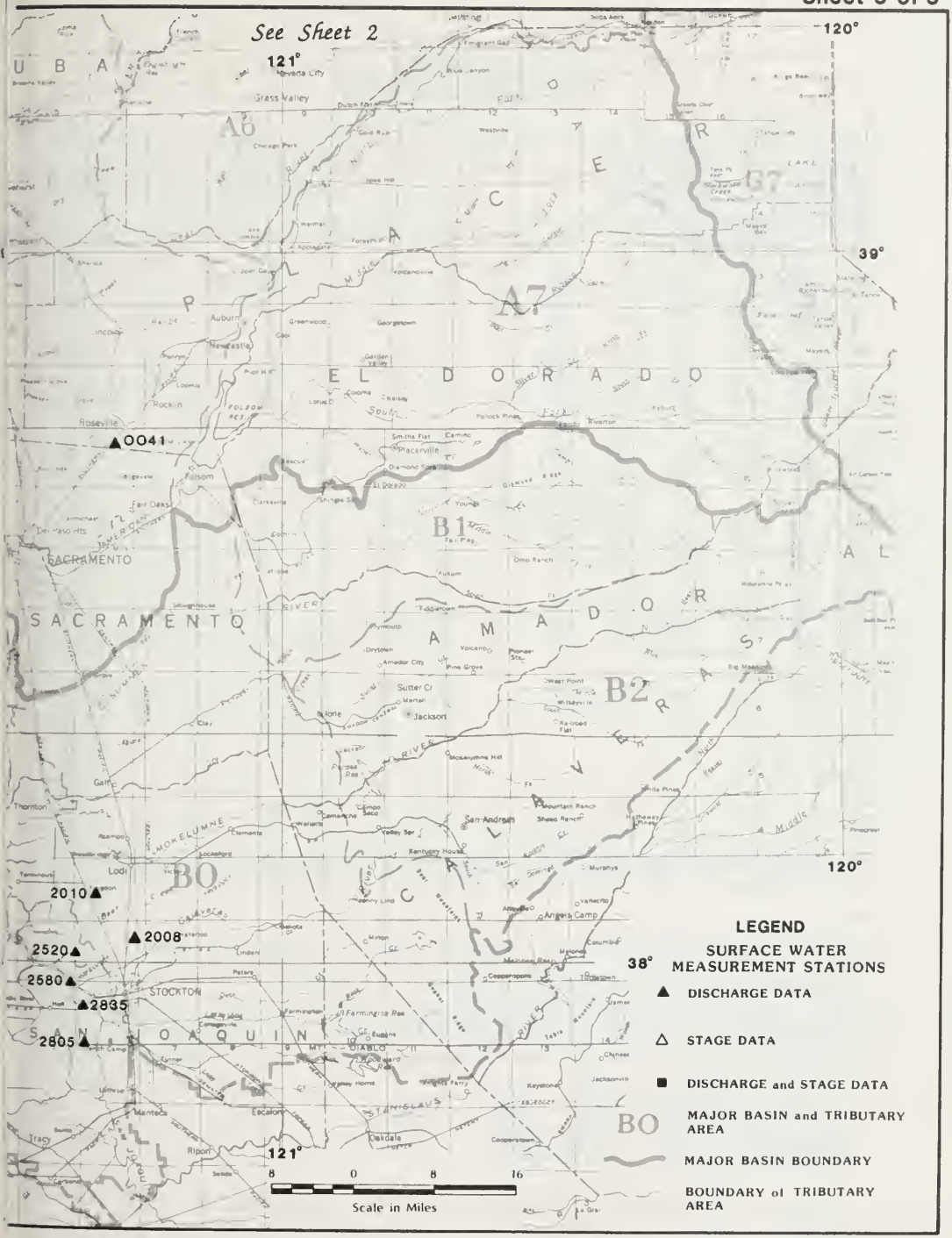


Figure 4. LOCATION OF SURFACE WATER MEASUREMENT STATIONS

TABLE B-1
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A14100 PINE CREEK NEAR ALTURAS

LOCATION: LAT 41-25-54, LONG 120-26-18, T42N, R13E, SEC. 35, MD B&M MODOC COUNTY

DRAINAGE AREA: 23.9 SQ MILES HYDROLOGIC AREA: A-23.E2

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	21*	19	23	27	16E	18	32	35	41	25	17	13	1
2	20	21	23	27	16E	17	21	37	38	26	17	15	2
3	20	21	22	28	16E	16	20	37	37	25	17	13	3
4	20	19	20*	28	16E	16	20	36	36	24	16	13	4
5	19	19*	21	28	16E	16	20	38	35	23	16	13	5
6	20	19	20	25	16E	15	22	40	34	23	16	13	6
7	19	19	20	19*	16#	15	24	42	33	22	16	13	7
8	19	20	20	18	16E	15	24	42*	33	23	16	16	8
9	19	19	20	17	16E	15	26	42	33	22	16	14	9
10	19	19	28	16E	16E	16	27	41	35	21	16	13	10
11	21	20	31	16E	16E	17	27*	41	36	21*	15	13	11
12	20	20	27	16E	16E	16	26	41	36	20	15	13	12
13	21	20	22	16E	15	16*	28	40	36*	20	15	13	13
14	20	20	19	16E	15	16	30	39	36	19	15	13	14
15	19	20	26	16E	16	16	32	38	36	19	15	12	15
16	20	20	22	16E	16	16	32	37	36	19	15	12	16
17	20	19	25	16E	17	16	31	37	35	19	15	13	17
18	20	19	25	16E	20	16	32	37	35	18	15	12	18
19	20	19	25	16E	24	17	34	37	35	18	15	12	19
20	20	20	25	16E	22	16	35	37	34	18	14	12	20
21	20	20	27	16E	19	16	35	37	33	18	14	12	21
22	19	20	28	16E	20	16	35	37	32	19	14	12	22
23	19	21	28	16E	22	16	34	38	32	18	14	12	23
24	20	24	28	16E	24	16	33	39	31	18	14	12	24
25	19	22	28	16E	22	17	33	39	30	18	14	12	25
26	20	20	28	16E	18	16	31	41	30	18	13	12	26
27	19	24	28	16E	17	17	31	42	29	18	13	12	27
28	19	35	28	16E	17	16	32	44	28	17	13	11	28
29	20	29	28	16E		17	33	46	27	17	13	11	29
30	19	25	28	16E		22	34	44	26	18	13	11	30
31	19		27	16E		40		42		17	13		31
MONTHLY MEAN	19.7	21.1	24.8	18.4E	17.7E	17.1	29.1	39.5	33.6	20.0	14.8	12.6	
MAX	21	35	31	28	24E	40	35	46	41	26	17	16	
MIN	19	19	19	16E	15E	15	20	35	26	17	13	11	
ACFT	1210	1254	1527	1129E	984E	1051	1734	2426	1999	1232	912	750	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
22.4	March 31	1930	66	1.95	September 27	2115	11	0.86	16208

REMARKS:

Station located approximately 0.3 miles north of Pine Creek Blvd., 6.1 miles southeast of Alturas. Tributary to Pit River.

Stage-discharge relationship affected by ice at times.

Period of record for discharge is November 1957 to date.
Period of record for gage height is November 1947 to date.

The datum for this station from 1957 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1957:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	435	3.37	June 02, 1971	1600
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

= E and *.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A18350 ASH CREEK AT ADIN

LOCATION: LAT 41-11-54, LONG 120-56-32, T39N, R09E, SEC. 21, MD B&M MODOC COUNTY

DRAINAGE AREA: 257.91 SQ MILES HYDROLOGIC AREA: A-23.D1

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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
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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

DATA INSUFFICIENT TO COMPUTE DISCHARGE

MONTHLY
MEAN
MAX
MIN
ACFT

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR		NR				NR			NR

REMARKS:

Station located 300 feet above State Highway 299 bridge in Adin. Tributary to Pit River.

Stage-discharge relationship affected by ice at times. Flow affected by upstream diversions.

Period of record for discharge is March 1937 to October 1957 (irrigation season only), September 1957 to January 1984, January 1984 to date record not available.
Period of record for gage height is same as discharge.

The datum for this station from 1957 to present is 0.00 feet, local.

FOR PERIOD OF RECORD BEGINNING 1957:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	2950	14.69	January 24, 1970	0100
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A15145 BURNEY CREEK AT PARK AVENUE NEAR BURNEY

LOCATION: LAT 40-52-35, LONG 121-40-13, T35N, R03E, SEC. 19, MD B&M SHASTA COUNTY

DRAINAGE AREA: 87.7 SQ MILES HYDROLOGIC AREA: A-23.B2

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	22*	21	79	34	23	43	79	75	45	15	11	7.6	1
2	18	75	62	38	23	42	83	74	42	15	11	10	2
3	17	77	66	34	21	NR	88	72	38	14	10	11	3
4	17	38	64*	31	22	NR	92	67	34	14	9.4	9.7	4
5	16	31*	59	30	23	NR	106	64	32	14	9.3	9.4	5
6	16	42	51	30	21*	NR	115	63	30	14	9.1	9.6	6
7	15	52	46	33*	28	NR	126	62	29	13	8.9	14	7
8	16	63	45	34	94	NR	126	60	26	13	9.0	43	8
9	17	46	44	34	43	NR	130	59	24	13	9.0	31*	9
10	20	58	73	33	35	NR	134*	56	22	12*	9.0	19	10
11	50	117	98	31	33	NR	133	51	21*	12	9.0	16	11
12	27	177	81	30	33	NR	132	50	21	12	9.0	14	12
13	24	200	69	32	34	43	131	48*	19	12	8.9*	12	13
14	23	155	62	31	33	43	137	48	19	12	8.6	12	14
15	21	92	60	28	33	45	145	45	17	11	9.0	11	15
16	23	73	52	26	34	46	140	43	16	11	9.0	11	16
17	23	64	48	26	34	50	124	42	17	11	9.0	11	17
18	23	90	45	26	34	64	113	42	18	11	9.6	11	18
19	24	72	48	25	34	64	113	42	17	11	11	10	19
20	24	68	67	25	34	63	101	41	14	11	10	10	20
21	23	63	41	24	34	64	98	40	14	11	9.8	10	21
22	22	54	40	23	35	56	117	39	15	12	9.7	10	22
23	21	50	40	24	38	54	98	39	14	11	9.3	9.8	23
24	21	70	40	23	41	97	86	34	14	9.8	8.8	9.8	24
25	21	63	39	23	47	81	79	33	15	9.5	8.5	9.8	25
26	21	52	37	23	42	68	73	32	14	9.5	8.8	9.9	26
27	20	95	35	22	41	59	71	31	15	9.5	8.9	10	27
28	20	197	34	23	41	55	73	39	15	9.4	8.5	10	28
29	26	122	34	21		56	75	56	14	9.2	8.0	11	29
30	24	97	33	23		61	75	54	14	11	7.9	11	30
31	22		33	21		72		44		11	7.8		31
MONTHLY MEAN	21.8	82.5	52.4	27.8	35.3	NR	106	49.8	21.5	11.7	9.2	12.8	
MAX	50	200	98	38	94	NR	145	75	45	15	11	43	
MIN	15	21	33	21	21	NR	71	31	14	9.2	7.8	7.6	
ACFT	1343	4907	3223	1708	1960	NR	6333	3064	1279	722	565	761	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	November 28	0345	246	4.81	July 29	0630	4.8	3.00	NR

REMARKS:

Station located at Park Ave bridge. Tributary to Pit River.

Prior to October 1, 1974, the gage was located 300' above county road bridge, 0.8 miles southwest of Burney as station A15150, Burney Creek near Burney.

Stage-discharge relationship affected by ice at times. Flow affected by upstream diversions.

Period of record for discharge is November 1974 to date. Period of record for gage height is same as discharge.

The datum for this station from 1974 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1974:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	3170	8.84	January 13, 1980	2030
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A03545 NORTH FORK COTTONWOOD CREEK NEAR IGO

LOCATION: LAT 40-26-32, LONG 122-32-57, T30N, R06W, SEC. 21M, MD B&M SHASTA COUNTY

DRAINAGE AREA: 88.7 SQ MILES HYDROLOGIC AREA: A-17.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	24	15	232	94	85	77	115	37	19	3.9	7.1	0.6	1
2	26	99	314	92	84	77	116	33	23	3.6	6.2	0.6	2
3	26	43	302	89	83	76	111	34	17	2.8	5.3	1.8	3
4	24	28	240	85*	85	75	102	32	14	2.1	3.8	2.5	4
5	24	26	275	85	85	78	101	31	14	1.5	10	2.1	5
6	24	59	233	85	85	86	98	28	13	1.0	4.1	2.3	6
7	22	48	216	116	215	106	96	28	11	0.8	2.2	25	7
8	21	90	205	98	406	90	94	NR	10	0.7	1.3	29	8
9	21	54	205	146	159	85	92	NR	9.4	0.7	1.0	24	9
10	20	403	292	115	124	93	89	NR	8.0	0.7	0.9	46	10
11	21	433	252	109	108	91	86	NR	6.0	0.7	0.9	18	11
12	20	1020	223	103	107	89	84	NR	5.0	0.7	0.9	14	12
13	20	966	202	99	104*	86	81	NR	4.5	0.7	0.8	12	13
14	20	399	188	98	100	86	78	NR	4.8	0.7	0.7	11	14
15	20	348	187	99	98	84	77	NR	4.4	0.7	0.7	9.7	15
16	21	380	170	96	96	82	76	17	4.1	0.7	0.7	9.2	16
17	24	335	169	94	93	82	75	16	4.0	0.6	0.7	8.3	17
18	21	300	143	88	90	81	73	17	7.7	0.6	0.7	8.4*	18
19	21	218	132	88	90	82	72	15	5.4	0.6	0.7	8.1	19
20	21	291	125	90	87	77	72	14	6.0	0.6	0.7	7.9	20
21	20	226	122	87	87	74	83	13	5.0	0.6	0.7	8.2	21
22	19	199	119	85	87	74	76	13	4.4	0.6	0.6	8.0	22
23	18	256	116	85	85	73	71	12	7.9	1.6	0.6	7.6	23
24	18	464	114	85	85	76	68	12	5.2	1.7	0.6	6.9	24
25	18	238	112	85	81	73	65	12	3.2	1.0	0.6	7.5	25
26	18	211	108	85	80	88	64	11	3.3	0.8	0.6	7.3	26
27	18	665	106	85	79	107	50	17	3.5	0.7	0.6	7.2	27
28	17	453*	104	85	77	144	43	20	3.4	0.7	0.6	7.8	28
29	18	309	102	85		128	41	18	3.0	0.7	0.6	7.7	29
30	17	260	99	85		114	40	14	2.9	9.1	0.6	7.8	30
31	15*		96	85		114		14		9.9	0.6		31
MONTHLY													
MEAN	20.5	295	178	93.7	109	88.6	79.6	NR	7.7	1.7	1.8	10.6	
MAX	26	1020	314	146	406	144	116	NR	23	9.9	10	46	
MIN	15	15	96	85	77	73	40	NR	2.9	0.6	0.6	0.6	
ACFT	1263	17530	10920	5764	6040	5451	4739	NR	460	103	111	628	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	November 13	0330	1880	32.81	July 17	1500	0.6	29.23	NR

REMARKS:

Station located at county road bridge on Lower Gas Point Rd, 4.4 miles southeast of Ono.
Tributary to Sacramento River via Cottonwood Creek.

Flow affected by upstream diversion and releases from Rainbow Lake.

Period of record for discharge is 1956 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1956 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1956:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	11000	39.45	December 22, 1964	0630
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A00268 REEDS CREEK AT WILDER ROAD

LOCATION: LAT 40-09-53, LONG 122-16-27, T27N, R04W, SEC. 25, MD B&M TEHAMA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1			4.1	3.8	0.4	2.1	1.5	1.0	3.4				1
2			52	3.8	0.3	2.0	1.5	1.0	1.4				2
3			163*	3.8	0.3	2.0	1.5	0.8	0.9				3
4			NR	3.8*	0.3	2.2	1.2	0.7	0.7				4
5			NR	3.7	0.2	2.5	1.3	0.8	0.6				5
6			NR	3.6	0.2	3.2	1.3	0.9	0.4				6
7			NR	12	0.5	9.9	1.3	1.0	0.3				7
8	N	N	NR	6.1	22*	2.9	1.3	1.0	0.1	N	N	N	8
9			NR	5.5	2.1	2.4	1.4	1.1	0.1				9
10	O	O	NR	5.6	1.3	8.5	1.7	1.2	0.0	O	O	O	10
11			21*	3.2	1.2	4.0	1.8	1.3	0.0				11
12			14	2.9	1.2	2.5	1.5	1.0	0.0				12
13			9.2	2.6	1.2	2.6	1.3	1.0	0.0				13
14			7.3	2.5	1.4	2.6	1.3	0.8	0.0				14
15	R	R	7.9	2.2	1.5	2.5	1.3	0.5	0.0				15
16	E	E	6.9	2.0	1.5	2.5	1.3	0.7	0.0	F	F	F	16
17			5.5	2.2	1.5	2.5	1.5	0.9	0.0				17
18	C	C	4.9	1.9	1.6	2.6	1.5	1.1	0.0	L	L	L	18
19			4.8*	1.8	1.8	2.5	1.7	1.3	0.0				19
20	O	O	4.3	1.7	1.8*	2.5	1.4	0.8	0.0	O	O	O	20
21	R	R	4.1	1.5	1.7	2.5	2.0	0.6	0.0	W	W	W	21
22			3.8	1.5	1.6	2.5	1.9	0.6	0.0				22
23	D	D	3.8	1.2	1.5	2.6	1.3	0.6	0.0				23
24			3.8	1.2	1.7	2.9	1.2	0.5	0.0				24
25			3.8	1.1	1.7	2.9	1.2	0.5	0.0				25
26			4.3	1.0	1.5	98	1.2	0.7	0.0				26
27			4.4	0.9	1.6	28	1.3	1.0	0.0				27
28			4.2	0.8	1.8	6.2	1.2	1.4	0.0*				28
29			3.8	0.7		2.2	1.2	1.6	0.0				29
30			3.8	0.5		1.5	1.2	1.0	0.0				30
31			3.8	0.4		1.5		1.9					31
MONTHLY MEAN	NR	NR	NR	2.8	2.0	6.9	1.4	0.9	0.3	0.0	0.0	0.0	
MAX	NR	NR	NR	12	22	98	2.0	1.9	3.4	0.0	0.0	0.0	
MIN	NR	NR	NR	0.4	0.2	1.5	1.2	0.5	0.0	0.0	0.0	0.0	
ACFT	NR	NR	NR	170	110	427	84	58	16	0.0	0.0	0.0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	March 26	2000	545	3.31**	NR				NR

REMARKS:

Station located 150 feet downstream from Wilder Rd bridge 2.5 miles southwest of Red Bluff. Tributary to Sacramento River.

Flow affected by upstream diversions.

Period of record for discharge is December 1, 1984 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1984 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1984:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	545	3.31	March 26, 1985	2000
AVERAGE/YEAR	Not available.			

** Maximum flow for the 1984-85 water year may have occured in December during the period of no record.

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A03460 RED BANK CREEK NEAR RED BLUFF

LOCATION: LAT 40-05-25, LONG 122-24-45, T26N, R05W, SEC. 22M, MD B&M TEHAMA COUNTY

DRAINAGE AREA: 93.5 SQ MILES HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1		NR	25	6.9	6.4	5.7	7.2	2.5	1.2				1
2		NR	62	7.1	6.4	5.7	6.6	2.4	0.8				2
3		NR	217	6.9	6.4	5.6	6.2	2.1	0.6				3
4		NR	78	7.1*	6.3	5.4	5.6	1.6	0.7				4
5		NR	146	7.3	6.3	5.5	5.4	1.4	0.9				5
6		NR	74	7.3	6.3	6.0	5.4	1.4	1.0				6
7		NR	39	10	6.5	8.9	5.3	1.4	0.9				7
8	N	NR	23	9.9	170	8.9	5.1	1.5	1.3	N	N	N	8
9		NR	16	8.6	93	7.0	4.9	1.7	1.3				9
10	O	NR	190	8.5	28	7.9	4.7	1.8	1.0	O	O	O	10
11		NR	61*	7.8	17	16	4.6	1.7	0.5				11
12		NR	31	7.5	13	10	4.4	1.7	0.5				12
13		NR	16	7.3	11	7.5	4.3	1.7	0.4				13
14		NR	12	7.3	9.2	6.7	4.2	1.6	0.2				14
15	R	NR	10	7.2	8.4	6.3	4.0	1.3*	0.0				15
16	E	NR	8.1	7.1	7.8	5.6	4.0	1.2	0.0	F	F	F	16
17		41	7.5	6.9	7.8	5.5	4.0	1.0	0.0				17
18	C	77	7.2	6.9	7.6	5.2	4.0	1.0	0.0	L	L	L	18
19		7.2	7.0	6.9	7.6	4.9	3.8	1.0	0.0				19
20	O	12	6.6	6.9	7.2*	4.8	3.6	0.9	0.0	O	O	O	20
21	R	6.3	6.4	6.8	7.1	4.4	4.0	1.0	0.0	W	W	W	21
22		3.7	6.3	6.6	6.9	4.3	4.2	1.1	0.0				22
23	D	3.0	6.3	6.6	6.8	4.1	3.9	0.8	0.0				23
24		230	6.4	6.6	6.5	4.2	3.5	0.8	0.0				24
25		36	6.4	6.5	6.4	4.2	3.4	0.9	0.0				25
26		8.3	7.1	6.5	6.2	17	3.3	1.0	0.0				26
27		215	7.1	6.4	5.9	36	3.1	1.3	0.0				27
28		283*	6.8	6.6	5.9	65	3.0	1.3	0.0*				28
29		146	6.6	6.6		31*	2.9	1.0	0.0				29
30		56	6.7	6.5		13	2.8	0.9	0.0				30
31			6.9	6.5		8.3		1.3					31
MONTHLY													
MEAN	NR	NR	35.8	7.2	17.3	10.7	4.4	1.4	0.4	0.0	0.0	0.0	
MAX	NR	NR	217	10	170	65	7.2	2.5	1.3	0.0	0.0	0.0	
MIN	NR	NR	6.3	6.4	5.9	4.1	2.8	0.8	0.0	0.0	0.0	0.0	
ACFT	NR	NR	2200	444	960	656	261	84	22	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	November 27	1730	553	4.09 **	NR				NR

REMARKS:

Station located on Briggs Rd bridge, 11 miles SW of Red Bluff. Tributary to Sacramento River.

Flow affected by upstream diversion.

Gage washed out 12/83, replaced 11/84 at same location and datum. However channel cross-section changed considerably.

Period of record for discharge is 1948 to 12/83, 11/84 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1956 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1948:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	19900	12.44	Mon Feb 28, 1983	2200
AVERAGE/YEAR	Not Available			

** The reported maximum flow for the 1984-85 water year may only be a secondary peak. Based on precipitation records, a higher peak (during the period of no record) may have occurred between November 11, 1984 to November 13, 1984.

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A44180 MILL CREEK NEAR MINERAL

LOCATION: LAT 40-21-44, LONG 121-30-16, T29N, R4E, SEC. 23 MD B&M TEHAMA COUNTY

DRAINAGE AREA: NOT AVAILABLE HYDROLOGIC AREA: A-15.C2

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1								NR	61	NR	30	27	1
2								NR	58	NR	29	29	2
3								NR	61	NR	29	26	3
4								173	62	NR	30	26	4
5								164	64	NR	27	24	5
6								158	118	NR	26	25	6
7								145	138	NR	27	36	7
8	N	N	N	N	N	N	N	127	145	NR	27	91	8
9								132	145	NR	28	52	9
10	O	O	O	O	O	O	O	99	142	NR	27	44	10
11								87	142	NR	28	39	11
12								118	142	34*	27	41	12
13								101	139	33	27	38	13
14								101	134	33	27	39	14
15	R	R	R	R	R	R	R	137	132	33	27	36	15
16	E	E	E	E	E	E	E	142	127	32	27	35	16
17								142	125	32	27	35	17
18	C	C	C	C	C	C	C	118	125	32	28	36	18
19								103	120	33	28	35	19
20	O	O	O	O	O	O	O	120	111	32	28	34	20
21	R	R	R	R	R	R	R	93	107	34	27	33	21
22								99	103	32	27	32	22
23	D	D	D	D	D	D	D	101	84	31	27	31	23
24								97	64	31	26	31	24
25								87	47	31	26	31	25
26								71	43	32	26	30	26
27								56	38	33	26	30	27
28								62	37	32	26*	30	28
29								65	40	31	26	30	29
30								64	35	31	26	31	30
31								62		29	27		31
MONTHLY MEAN								NR	96.3	NR	27.2	35.2	
MAX								NR	145	NR	30	91	
MIN								NR	35	NR	26	24	
ACFT								NR	5730	NR	1674	2097	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR			NR		September 5	0015	24	01.89	NR

REMARKS:

Located downstream from the Highway 36 Bridge about 10 miles east of Mineral. Tributary to Sacramento River.

Stage-discharge relationship affected by ice at times.

Station was installed may 4, 1985.
Period of record for discharge is May 4, 1985 to date.
Period of record for gage height is the same as discharge.

The datum for this station from 1985 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1985:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	NR			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02700 SACRAMENTO RIVER AT VINA BRIDGE

LOCATION: LAT 39-54-36, LONG 122-05-36, T24N, R02W, SEC. 28, MD B&M TEHAMA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	8540	8260	15700	10300	8060	6890	7450	8390	8090	12000	10400	7670	1
2	8500	8460	14700	9290	8060	6910	7640	8570	8150	12200	10400	7760	2
3	8460	9730	20700	8790	8100	6880	8050	8540	7950	12400	10500	7790	3
4	8580	9370	21800	8690	8030	6930	7850	8540	7860	12200	10700	7560	4
5	8660	8770	21000	8560	8040	7100	7600	8580	7240	12300	10500	7150	5
6	8620	8900	21000	8560	7950	7280	7540	8640	7450	12300	10300	6770	6
7	8460	9280	20200	8760	8230	8380	7400	8560	7770	12400	10500	6960	7
8	7880	10000	19800	9330	19800	9280	7170	8570	8840	12500	10500	8120	8
9	7390	10400	19400	9010	15700	8150	6770	8700	9290	12700	10400	9070	9
10	6990	9900	22500	9510	11200	8500	6550	8630	9200	12900	10500	8250	10
11	8380	16600	31100	9020	10100	9620	6490	8440	9140	12200	10500	6860	11
12	8230	22100	23300	8670	9510	8510	6500*	8200	8950	12300	10500	6650	12
13	7610	30300	20900	8370	8380	7920	6990	8090	8900	12300	10600	NR	13
14	7460	24400	20500*	8290	7480	6690	7690	9680	9200	12200	10500	NR	14
15	7330	21200	19400	8290	7230	6640*	7770	12400	9190	12700	10500	NR	15
16	7470	23500	18700	8130	7140	6630	7660	12500	9200	12800	10700	NR	16
17	7880	23200	17100	8300	7000	6610	7610	11000	9090	12700	10800	NR	17
18	7730	23500	16700	8230	6900	6620	7540	7350	9590	12800	10700	NR	18
19	7570	22300	16000	8500	7220	6580	7360	8020	9730	13000	9350	NR	19
20	7680	20900	15400	8480	7580	6570	7360	8140	9680	13000	9270	NR	20
21	7540	23700	14000	8380	7460	6550	8110	8000	9670	13300	9190	NR	21
22	6980	20400	13000	8310	7380*	6540	8160	7710	10000	12900	9170	NR	22
23	6850	19600	11200	8250	7300	6520	7990	7600	10200	12500	9000	NR	23
24	6850	38000	11200	8300	7230	6520	7530	7490	10300	12100	8040	NR	24
25	6760	28400	11000	8150*	7180	6540	7220	8290	10300	10800	7830E	NR	25
26	6810	22200	10900	8250	7060	6640	6920	8330	9760	10300	NR	NR	26
27	7610	20000	11000	8200	6980	8130	6980	8420	10800	10200	NR	NR	27
28	7640	35300	10700	8160	6810	8370	7630	8190	11900	10100	NR	NR	28
29	7800	22000	10600	8160		8130	7950	8250	11800	10200	NR	NR	29
30	7830*	17800*	10500	8150		7720	8010	7770	11900	10300	7590E	NR	30
31	7880		10500	8000		7460		7810		10200	7610		31
MONTHLY													
MEAN	7741	18950	16790	8561	8540	7349	7450	8626	9371	12030	NR	NR	
MAX	8660	38000	31100	10300	19800	9620	8160	12500	11900	13300	NR	NR	
MIN	6760	8260	10500	8000	6810	6520	6490	7350	7240	10100	NR	NR	
ACFT	476000	1128000	1032000	526400	474300	451900	443300	530400	557600	739400	NR	NR	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	November 24	1515	50800	76.12	April 10	1800	6470	65.18	NR

REMARKS:

Station located 250 feet above Vina-Corning Highway bridge, 2.6 miles southwest of Vina.

Flow regulated by Shasta Dam since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

The maximum discharge is for the main river channel and does not include water by-passing the station on the left bank.

Period of record for discharge is April 1945 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1945 to present is 100.00, USED.
The datum for this station from 1945 to present is 97.15, USCGS.

FOR PERIOD OF RECORD BEGINNING 1945:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	182000	91.27	March 1, 1983	1730
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02630 SACRAMENTO RIVER AT HAMILTON CITY

LOCATION: LAT 39-45-06, LONG 121-59-48, T22N, R01W, SEC. 20, MD B&M BUTTE COUNTY

DRAINAGE AREA: 11,060 square miles (excluding Goose Lake Basin) HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	7660	7490	17100	10500	7890	6770	7500	6860	6270	9350	7800	5550	1
2	7700	7630	15700	9530	7900	6760	7660	7010	6200	9600	7930	5660	2
3	7640	8750	20700	8720	7860	6750	7970	7010	6200	9730	7890	5710	3
4	7740	8760	22000	8630	7860	6790	7820	6900	6030	9620	8120	5660	4
5	7840	8350	21400	8510	7840	6990	7460	6820	5600	9590	8070	5330	5
6	7760	8430	21500	8500	7810	7190	7330	6990	5490	9670	7740	5030	6
7	7760	8870	20700	8580	7970	7940	7270	6910	5710	9780	7930	5160	7
8	7220	9430	20300	9120	16400	9080	7080	6980	6410	9940	7850	5970	8
9	6800	10300	19800	8910	18200	8160	6570	7070	6970	10100	7750	7160	9
10	6380	9470	22500	9320	11800	8160	6410	7030	6930	10400	7920	6920	10
11	7230	14900	30600	8960	10100	9470	6180*	6960	6800	9640	7920	5650	11
12	7740	21700	24100*	8600	9500	8560	5940	6630	6530	9750	7950	5430	12
13	7030	28100	21600	8310	8540	8040	6270	6620	6460	9790	7910	5070	13
14	6800	25200	20800	8180	7580	6910*	6930	7330	6580	9690	7960	5080	14
15	6760	21500	20200	8220	7250	6530	7100	11000	6650	10200	7770	4720	15
16	6780	22200	19200	8090	7090	6520	6900	10900	6560	10200	8080	4690	16
17	7140	23800	18100	8170	6980	6520	6860	10400	6590	10200	8200	4730	17
18	7120	22700	17600	8110	6870	6440	6760	6180	6840	10200	8300	4160	18
19	6950	22500	17000	8310	6970	6430	6600	6590	7110	10500	7060	4350	19
20	6980	20600	16600	8330	7380	6390	6350	6570	7060	10500	6830	4570	20
21	6970	23500	14900	8250	7330	6260	7000	6450	7100	10800	6690	4530	21
22	6520	20800	14000	8150	7250	6050	7130	6150	7260	10700	6620	4130	22
23	6070	20000	11600	8160	7160	5850	6950	6090	7610	10400	6590	4030	23
24	6050	34600	11400	8150*	7120	5900	6510	5830	7740	9780	5910	3980	24
25	5910	31400	11200	8040	7070	6240	6150	6440	7720	8740	5530	4120	25
26	5870	23200	11100	8070	6960*	6270	5840	6610	7640	8000	5220	4410	26
27	6670	19400	11200	8080	6910	7900	5800	6670	7600	7800	5020	4460	27
28	6820	35400	10900	8040	6730	8130	6220	6560	9180	7630	5030	4540	28
29	6960	23700*	10700	8010		8140	6630	6530	9140	7740	5600	4580	29
30	7120	18900	10600	8020		7780	6540	6070	9330	7780	5560	4650	30
31	7130*		10600	7920		7610		6010		7790	5470		31
MONTHLY													
MEAN	7004	18720	17280	8467	8440	7178	6791	7038	6977	9536	7104	5001	
MAX	7840	35400	30600	10500	18200	9470	7970	11000	9330	10800	8300	7160	
MIN	5870	7490	10600	7920	6730	5850	5800	5830	5490	7630	5020	3980	
ACFT	430700	1114000	1063000	520600	468700	441400	40410	432700	415200	586300	436800	297600	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	CFS	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	CFS	G.H.	TOTAL ACRE FEET
9131	November 24	2000	50000	38.39	September 25	0315	3800	28.29	6611100

REMARKS:

Station located at Gianella Bridge, State Highway 32, 1.0 mile northeast of Hamilton City.

Flow regulated by Shasta Dam since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

Prior to regulation by Shasta Lake, the Maximum discharge was 350,000E CFS at stage 22.60 ft on February 28, 1940. Zero of gage = 127.9, USED in 1940. 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. Period of record for discharge is Spring 1945 to date. Period of record for gage height is 1927 to date.

The datum for this station from 1927 to 1945 is 127.9, USED.
The datum for this station from 1945 to present is 100.0 USED and 96.5 USGS.

FOR PERIOD OF RECORD BEGINNING 1927:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	176000	50.77	March 01, 1983	1845
AVERAGE/YEAR	Not Available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A04242 MUD CREEK NEAR CHICO

LOCATION: LAT 39-47-02, LONG 121-53-06, T22N, R01E, SEC. 05, MD B&M BUTTE COUNTY

DRAINAGE AREA: 47.5 SQ MILES HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	0.0	38	5.9	2.3	3.3*	24	0.2				0.0	1
2	0.0*	0.0	442	5.6	2.2	3.4	19*	0.0				0.0	2
3	0.0	1.3	132	5.4	2.0	2.8	15	0.0				0.0	3
4	0.0	0.8	53	5.4	2.1	2.9	12	0.0				0.0*	4
5	0.0*	0.2	37	5.2	1.9	8.7	9.0	0.0				0.0	5
6	0.0	0.5	25	5.4	1.9	12	7.1	0.0				0.0	6
7	0.0	0.8	17	19	12	62	5.6	0.0				0.0	7
8	0.0	22	13	17	323	24	4.7	0.0	N	N	N	30	8
9	0.0	9.1	11	11	107	14	3.9	0.0				3.4	9
10	5.1	8.6	94	9.9	58	77	3.4	0.0	O	O	O	2.4*	10
11	9.9	210	50	8.8	40	69	2.9	0.0				0.1	11
12	0.2	182	32	8.1	29	30	2.5	0.0				0.0	12
13	0.0	338	22	7.4	23	21	2.0	0.0				0.0	13
14	0.0	36	17	7.0	18	16	2.0	0.0				0.0	14
15	0.0	15*	175	6.9	15	13	1.7	0.0				0.0	15
16	4.6	121	144	6.3	16	11	1.8	0.0	F	F	F	0.0	16
17	5.3*	103	51	3.6	14	8.7	2.1	0.0				0.0	17
18	0.7	41	36	3.2*	12	12	1.8	0.0	L	L	L	0.0	18
19	0.3	107	26	3.0	11	9.6	1.5	0.0				0.0	19
20	0.0	42	21	2.9	7.6*	8.1	1.3	0.0	O	O	O	0.0	20
21	0.0	24	15*	2.5	6.1	6.2	1.5	0.0	W	W	W	0.0	21
22	0.0	20	12	2.4	5.2	5.0	1.6	0.0				0.0	22
23	0.0	188	11	2.4	4.5	4.4	1.1	0.0				0.0	23
24	0.0	68	10	4.6	4.0	8.1	0.8	0.0				0.0	24
25	0.0	35	9.4	2.9	4.1	13	0.6	0.0				0.0	25
26	0.0	25	8.6	2.2	4.0	227	0.5	0.0				0.0	26
27	0.0	18	8.2	2.4	3.5	150	0.4	0.0				0.0	27
28	0.0	885	7.5	2.6	3.3	75	0.3	0.0				0.0	28
29	0.0	164	6.6	2.9		50	0.2	0.0				0.0	29
30	0.0	72	6.5	2.6		36	0.1	0.0				0.0	30
31	0.0		6.2	2.1		29		0.0					31
MONTHLY MEAN	0.8	91.2	49.6	5.7	26.2	32.7	4.3	0.0	0.0	0.0	0.0	1.2	
MAX	9.9	885	442	19	323	227	24	0.2	0.0	0.0	0.0	30	
MIN	0.0	0.0	6.2	2.1	1.9	2.8	0.1	0.0	0.0	0.0	0.0	0.0	
ACFT	52	5429	3049	350	1453	2008	259	0	0	0	0	71	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
17.5	November 28	0830	2440	06.38	October 1	0015	0.0	00.36	12671

REMARKS:

Station located 0.1 miles above Business route 99 bridge, 4.9 miles north of Chico. Tributary to Sacramento River via Big Chico Creek. Includes an undetermined amount of water from Big Chico Creek.

Period of record for discharge is January 1964 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1964 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1964:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	11500	11.00	March 30, 1974	0400
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A00928 MUD CREEK DIVERSION AT CHICO

LOCATION: LAT 39-45-42, LONG 121-48-00, T22N, R02E, SEC. 18, MD B&M BUTTE COUNTY

DRAINAGE AREA: 8.3 SQ MILES HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8	N	N	N	N	N	N	N	N	N	N	N	N	8
9													9
10	O	O	O	O	O	O	O	O	O	O	O	O	10
11													11
12													12
13													13
14													14
15													15
16	F	F	F	F	F	F	F	F	F	F	F	F	16
17													17
18	L	L	L	L	L	L	L	L	L	L	L	L	18
19													19
20	O	O	O	O	O	O	O	O	O	O	O	O	20
21	W	W	W	W	W	W	W	W	W	W	W	W	21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MONTHLY MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ACFT	0	0	0	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
0.0		NR			October 1	0015	0.0	7.07	0

REMARKS:

Station located 0.4 miles above Wildwood Avenue bridge, 4.0 miles northeast 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.

Period of record for discharge is November 1964 to date (instantaneous maximum flow is based on the period of record with the 1968 peak flow missing). Period of record for gage height is November 1964 to date.

The datum for this station from 1964 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1964:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	5000	12.37	March 30, 1974	0345
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A00615 LINDO CHANNEL NEAR CHICO

LOCATION: LAT 39-44-57, LONG 121-52-06, T22N, R01E, SEC. 21, MD B&M BUTTE COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	0.0	8.7	0.0	0.1	0.0	24		0.0	NR	0.0	NR	1
2	0.0	0.0	12	0.0	0.1	0.0	26		0.0	NR	0.0	NR	2
3	0.0	0.0	8.6	0.0	0.1	0.0	17		0.0	0.0	0.0	NR	3
4	0.0	0.0	0.4	0.0	0.0	0.0	9.9		0.0	0.0	0.0	NR	4
5	0.0	0.0	0.0	0.0	0.0	1.0	4.6		0.0	0.0	0.0	0.0	5
6	0.0	0.0	0.0	0.0	0.0	0.7	1.4		0.0	0.0	0.0	0.0	6
7	0.0	0.0	0.0	0.0	0.1	1.1	0.2		0.0	0.0	0.0	0.0	7
8	0.0	0.0	0.0	0.0	682	0.0	0.0	N	0.0	0.0	0.0	8.8	8
9	0.0	0.0	0.0	0.0	222	0.0	0.0		0.0	0.0	0.0	0.1	9
10	4.8	0.0	2.0	0.0	68	0.7	0.0	O	0.0	0.0	0.0	0.1	10
11	0.0	8.8	0.0	0.0	26	0.0	0.0		0.0	0.0	0.0	0.1	11
12	0.0	33	0.0	0.0	11	0.0	0.0		0.0	0.0	0.0	0.1	12
13	0.0	184	0.0	0.0	5.0	0.0	0.0		0.0	0.0	0.0	0.1	13
14	0.0	47	0.0	0.0	1.7	0.0	0.0		0.0	0.0	0.0	0.1	14
15	0.0	4.2*	21	0.0	0.1	0.0	0.0		0.0	0.0	0.0	0.0	15
16	0.3	9.2	8.4	0.0	0.0	0.0	0.0	F	0.0	0.0	0.0	0.0	16
17	0.0	5.2	0.2	0.1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	17
18	0.0	1.5	0.0	0.1	0.0	0.0	0.0	L	0.0	0.0	0.0	0.0	18
19	0.0	0.0	0.0	0.1	0.0	0.0	0.0		0.0	0.0	0.0	0.0	19
20	0.0	2.5	0.0	0.1	0.0	0.0	0.0	O	0.0	0.0	0.0	0.0	20
21	0.0	2.7	0.0	0.1	0.0	0.0	0.0	W	0.0	0.0	0.0	NR	21
22	0.0	0.0	0.0	0.1	0.0	0.0	0.0		0.0	0.0	0.0	NR	22
23	0.0	0.0	0.0	0.1	0.0	0.0	0.0		0.0	0.0	0.0	NR	23
24	0.0	133	0.0	0.1	0.0	0.0	0.0		0.0	0.0	NR	NR	24
25	0.0	61	0.0	0.1	0.0	0.0	0.0		0.0	0.0	NR	NR	25
26	0.0	14	0.0	0.1	0.0	11	0.0		0.0	0.0	NR	NR	26
27	0.0	76	0.0	0.1	0.0	10	0.0		0.0	0.0	NR	NR	27
28	0.0	264	0.0	0.1	0.0	9.1	0.0		NR	0.0	NR	NR	28
29	0.0	73	0.0	0.1		6.0*	0.0		NR	0.0	NR	NR	29
30	0.0	25	0.0	0.1		5.9	0.0		NR	0.0	NR	NR	30
31	0.0		0.0	0.1		12				0.0	NR		31
MONTHLY													
MEAN	0.2	31.5	2.0	0.0	36.3	1.9	2.8	0.0	NR	NR	NR	NR	
MAX	4.8	264	21	0.1	682	12	26	0.0	NR	NR	NR	NR	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NR	NR	NR	NR	
ACFT	10	1873	122	3	2016	114	165	0	NR	NR	NR	NR	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	February 08	0930	1580	6.32	October 1	0015	0.0	0.51	NR

REMARKS:

Station located at the right abutment of the Cossick Avenue bridge, 2.25 miles northwest of Chico Post Office. Tributary to Sacramento River via Big Chico Creek.

Flow affected by upstream diversion.

Station A00600 was destroyed on December 5, 1972. Station A00615 was constructed about 3.25 miles upstream on December 20, 1972.

Period of record for discharge is December 1972 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1972 to present is 170.00, USED.

FOR PERIOD OF RECORD BEGINNING 1972:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM**	3840	9.77	March 29, 1974	1830
AVERAGE/YEAR	Not available.			

** Instantaneous maximum gage height was recorded on March 1, 1983 (0545) as 10.40 feet with a calculated flow of 3830 cfs.

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A04280 LITTLE CHICO CREEK NEAR CHICO

LOCATION: LAT 39-44-06, LONG 121-46-06, T22N, R02E, SEC. 29, MD B&M BUTTE COUNTY

DRAINAGE AREA: 25.4 SQ MILES HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	2.8	1.3	23	6.9	4.7	7.1*	28	3.0	1.3			0.0	1
2	1.2	5.4	22	6.7	4.7	6.9	23*	2.8	1.4			0.0	2
3	1.0	5.2	35	6.4	4.7	6.3	19	2.6	1.3			0.0	3
4	1.1	2.0	23	6.1	4.8	6.5	16	2.6	0.9			0.0*	4
5	1.3*	1.6	21	5.8	4.7	7.3	13	2.5	1.0			0.0	5
6	1.1	2.2	16	5.8	4.7	9.9	12	2.4	0.7			0.0	6
7	0.8	2.2	13	14	33	39	9.8	2.5	0.4			0.0	7
8	0.7	15	12	12	241	20	9.5	2.3	0.5	N	N	9.8	8
9	0.7	6.6	11	9.8	83	15	8.2	2.3	0.3			13	9
10	1.9	3.3	30	8.6	48	29	7.5	2.4	0.2	O	O	5.5*	10
11	10	53	31	8.1	37	28	6.8	3.0	0.1			2.1	11
12	3.2	44	26	7.7	30	22	6.2	2.8	0.0			1.1	12
13	1.8	71	22	7.3	25	17	5.5	2.6	0.1			0.7	13
14	1.6	24*	18	7.1	22	15	5.0	2.2	0.0			0.7	14
15	1.5	12	67	7.1	19	13	4.7	2.1	0.0			0.7	15
16	3.7	33	59	6.4	17	12	4.7	2.0*	0.0	F	F	0.6	16
17	6.3	25	38	6.4	15	10	5.0	2.2	0.0			0.7	17
18	3.0	29	31	6.4*	13	13	4.8	2.3	0.0	L	L	1.0	18
19	2.5	16	25	5.9	12	11	5.0	2.1	0.0			0.8	19
20	2.3	30	20	5.8	12*	9.0	4.7	1.8	0.0	O	O	0.8	20
21	2.1	37	16*	5.8	11	8.1	5.0	1.5	0.0	W	W	0.8	21
22	1.8	20	14	5.6	9.8	7.1	4.9	1.3	0.0			0.7	22
23	1.5	13	12	5.2	8.8	6.4	4.4	1.1	0.0			0.5	23
24	1.5	153	12	5.2	8.2	10	3.9	1.1	0.0			0.5	24
25	1.3	44	11	5.2	8.2	12	3.5	1.1	0.0			0.4	25
26	1.2	27	10	5.6	7.5	73	3.4	1.2	0.0			0.5	26
27	1.5	116	9.2	5.2	7.7	84	3.3	1.4	0.0			0.6	27
28	1.4	80	9.0	5.7	7.1	67	3.0	1.5	0.0			1.0	28
29	2.0	42	8.4	5.4		49	2.8	1.6	0.0			1.2	29
30	2.3	31	7.7	5.2		39	3.0	1.4	0.0			1.5	30
31	1.7		7.4	4.8		33		1.3					31
MONTHLY MEAN	2.2	31.5	21.3	6.7	25.1	22.1	7.9	2.0	0.3	0.0	0.0	1.5	
MAX	10	153	67	14	241	84	28	3.0	1.4	0.0	0.0	13	
MIN	0.7	1.3	7.4	4.8	4.7	6.3	2.8	1.1	0.0	0.0	0.0	0.0	
ACFT	132	1874	1308	415	1396	1360	467	125	16	0	0	90	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
9.9	February 08	0815	478	2.93	June 12	0200	0.0	0.15	7183

REMARKS:

Station located above diversion dam 500 feet south of Stilson Road, 3.6 miles esst of Chico. Tributary to Sacramento River.

During periods of high water, flow is diverted via Little Chico Diversion, into Butte Creek. Discharge listed does not include this diversion.

Period of record for discharge is January 1959 to date.
Period of record for gage height is December 1958 to date.

The datum for this station from 1958 to present is 296.00, USED.

FOR PERIOD OF RECORD BEGINNING 1958:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	1790E	7.17	December 21, 1964	1840
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A04910 LITTLE CHICO CREEK DIVERSION NEAR CHICO

LOCATION: LAT 39-44-00, LONG 121-46-18, T22N, R02E, SEC. 29, MD B&M BUTTE COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8	N	N	N	N	N	N	N	N	N	N	N	N	8
9													9
10	O	O	O	O	O	O	O	O	O	O	O	O	10
11													11
12													12
13													13
14													14
15													15
16	F	F	F	F	F	F	F	F	F	F	F	F	16
17													17
18	L	L	L	L	L	L	L	L	L	L	L	L	18
19													19
20	O	O	O	O	O	O	O	O	O	O	O	O	20
21	W	W	W	W	W	W	W	W	W	W	W	W	21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MONTHLY MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ACFT	0	0	0	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
0.0	Not applicable				OCTOBER 01	0015	0.0	1.77	0

REMARKS:

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.

Period of record for discharge is January 1959 to date.
Period of record for gage height is same as discharge.

The datum for this station is 296.00, USED.

FOR PERIOD OF RECORD BEGINNING 1958:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	2450	3.99	March 29, 1974	2015
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A04250 BIG CHICO CREEK AT CHICO

LOCATION: LAT 39-43-30, LONG 121-52-06, T22N, R01E, SEC. 27, MD B&M BUTTE COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	19	NR	122	44	33	45*	155	28	14	2.5	4.8	2.8	1
2	16	NR	107	43	33	44	154*	28	15	2.3	2.0	3.6	2
3	15	NR	108	42	33	43	140	27	15	3.5	2.7	11	3
4	14	NR	91	41	33	44	124	27	14	3.3	2.3	5.9	4
5	14*	NR	85	39	33	51	112	26	13	2.1	1.9	6.0	5
6	14	NR	76	39	32	53	101	26	12	1.8	1.9	6.3	6
7	NR	NR	69	52	47	79	91	25	11	1.5	1.8	7.8	7
8	NR	NR	64	60	506	64	82	24	11	1.6	3.5*	44	8
9	NR	NR	59	52	333	59	75	24	11	1.4	0.2	57	9
10	NR	NR	79	45	202	78	71	23	9.3	1.4	1.0	41*	10
11	NR	NR	102	43	152	89	67	23	9.1	3.0	0.9	27	11
12	NR	NR	105	42	126	94	60	22	7.8	2.6	1.2	20	12
13	NR	NR	97	40	112	95	55	21	7.8	1.5	1.7	17	13
14	NR	NR	87	39	102	94	52	21	5.8	1.1	1.9	15	14
15	NR	59*	114	39	96	92	49	21	5.9	1.1*	3.7	14	15
16	NR	116	109	38	91	87	48	21*	5.3	1.1	1.1	13	16
17	NR	113	88	37	86	83	47	20	5.2	1.0	2.4	13	17
18	NR	111	81	36*	81	83	46	20	5.0	2.9	3.9	13	18
19	NR	98	74	35	76	79	46	19	4.8	0.6	3.7	12	19
20	NR	100	69	35	72*	73	43	18	6.3	1.1	3.4	12	20
21	NR	118	64*	34	67	69	43	17	4.3	2.1	3.1	11	21
22	NR	96	60	33	62	65	43	16	4.9	3.3	4.5	10	22
23	NR	82	56	33	58	61	39	13	5.0	3.2	1.1	9.9	23
24	NR	250	54	32	54	72	37	15	4.7	1.8	2.2	9.6	24
25	NR	196	55	32	53	86	35	15	4.0	3.0	1.9	9.2	25
26	NR	134	54	33	51	114	34	14	3.5	0.7	2.0	8.7	26
27	NR	185	53	33	48	127	33	13	4.7	1.6	1.9	9.2	27
28	NR	366	51	35	47	131	32	14	3.5	1.9	1.7	10	28
29	NR	212	48	37		121	31	16	2.9	1.9	4.0	10	29
30	NR	152	46	34		123	29	17	1.9	2.8	3.2	9.5	30
31	NR		44	33		137		15		3.1	3.1		31
MONTHLY													
MEAN	NR	NR	76.5	39.0	97.1	81.8	65.8	20.3	7.6	2.0	2.4	14.6	
MAX	NR	NR	122	60	506	137	155	28	15	3.5	4.8	57	
MIN	NR	NR	44	32	32	43	29	13	1.9	0.6	0.2	2.8	
ACFT	NR	NR	4703	2400	5393	5028	3915	1248	452	125	148	870	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	February 08	1045	781	7.26	July 03	1700	0.0	3.41	NR

REMARKS:

Station located 50 feet above Rose Avenue Highway bridge, immediately west of Chico. Tributary to Sacramento River.

Flow affected by upstream diversion.

Period of record for discharge is January 1956 to date (instantaneous maximum flow available from October 1961 to date). Period of record for gage height is January 1956 to date.

The datum for this station from 1956 to present is 167.88, USED.

FOR PERIOD OF RECORD BEGINNING 1962:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	2520E	12.83	January 31, 1963	2110
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02570 SACRAMENTO RIVER AT ORD FERRY

LOCATION: LAT 39-37-42, LONG 121-59-30, T21N, R01W, SEC. 19, MD B&M GLENN COUNTY

DRAINAGE AREA: 12480 square miles (excluding Goose Lake Basin) HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	7840	7700	19600	11100	8280	7020	7980	7000	6440	9470	8090	5790	1
2	7980	7810	17800	10500	8330	7000	8050	7230	6420	9640	8180	5890	2
3	7900	8740	22000	9540	8260	7030	8300	7270	6510	9790	8220	5950	3
4	7930	9150	24000	9360	8240	7080	8270	7180	6280	9790	8390	5990	4
5	8050	8760	22900	9200	8210	7290	7940	7130	5980	9700	8410	5680	5
6	8030	8770	22400	9150	8190	7530	7760	7240	5650	9810	8150	5410	6
7	8070	9040	21500	9180	8290	8040	7630	7190	5940	9850	8220	5380	7
8	7590	9610	20900	9620	13700	9200	7530	7210	6360	10100	8180	6040	8
9	7190	10600	20200	9610	20400	8680	7060	7290	7110	10200	8110	7370	9
10	6780	10000	22300	9750	12700	8420	6780	7320	7130	10400	8240	7590	10
11	7170	13100	30200	9650	10800	9890	6630*	7320	6970	9940	8220	6250	11
12	8150	21100	26000	9310	10000	9250	6300	6960	6730	9920	8290	5910	12
13	7370	26500	22700*	8900	9270	8650	6510	6910	6650	9920	8240	5540	13
14	7100	26700	21700	8770	8220	7670*	7110	6870	6670	9920	8350	5490	14
15	7040	22100	21600	8780	7740	7090	7370	10600	6840	10200	8150	5220	15
16	7030	21400	20500	8680	7530	7060	7230	10700	6720	10300	8370	5030	16
17	7390	24600	19400	8620	7400	7000	7220	10900	6830	10500	8560	5140	17
18	7440	22400	18200	8720	7260	6910	7080	7060	6890	10300	8720	4650	18
19	7280	23100	17400	8770	7200	6920	6930	6870	7300	10600	7730	4580	19
20	7230	20700	17000	8830	7620	6840	6670	6870	7230	10600	7200	4890	20
21	7240	23600	15500	8780	7610	6710	7120	6780	7300	10800	7100	4880	21
22	6970	21200	14700	8660	7520	6510	7390	6490	7350	10900	6920	4570	22
23	6450	20100	12800	8650	7400	6310	7320	6420	7750	10700	6970	4330	23
24	6300	30900	12300	8620	7390	6300	6870	6170	7910	9950	6390	4330	24
25	6210	36800	12100	8580	7280	6570	6540	6510	7880	9330	5920	4350	25
26	6170	24400	11800	8480	7170*	6710	6190	6820	8060	8320	5600	4690	26
27	6740	20000	11800	8520	7130	8420	6100	6840	7440	8090	5400	4730	27
28	7070	34600	11700	8490	7000	8500	6420	6820	9110	7920	5250	4790	28
29	7170	17100	11400	8420*		8620	6830	6780	9210	8040	5740	4860	29
30	7380	16100*	11300	8430		8340	6760	6390	9420	8130	5880	4980	30
31	7420*		11200	8360		8090		6270		8100	5750		31
MONTHLY MEAN	7280	18560	18220	9033	8791	7602	7130	7271	7136	9717	7450	5343	
MAX	8150	36800	30200	11100	20400	9890	8300	10900	9420	10900	8720	7590	
MIN	6170	7700	11200	8360	7000	6300	6100	6170	5650	7920	5250	4330	
ACFT	447600	104000	1120000	555400	488200	467400	424200	447100	424600	597500	458100	318000	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 9184-5 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
9466	November 25	0015	50100	57.08	September 25	0815	4150	45.63	6852100

REMARKS:

Station located 0.1 miles below Ord Ferry.

Flow regulated by Shasta Dam 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 Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

Period of record for discharge is January 1948 to date. Period of record for gage height is 1921 to May 1927 (flood season only), February 1937 to May 1937, October 1937 to May 1939, November 1939 to May 1941, November 1941 to date.

The datum for this station from 1937 to 1960 is 0.00, USED.
The datum for this station from 1960 to present is 50.00, USED.

FOR PERIOD OF RECORD BEGINNING 1921:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM **	151000	69.19	March 2, 1983	0715
AVERAGE/YEAR	Not available			

** Prior to regulation by Shasta Lake, the maximum discharge was 370,000E CFS at stage 121.70 ft on February 28, 1940. Records of flows in excess of 70,000 CFS are not reliable due to an undetermined amount of water by-passing the station via Butte Basin.

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02986 MOULTON WEIR SPILL TO BUTTE BASIN NEAR COLUSA

LOCATION: LAT 39-20-18, LONG 122-01-18, T17N, R02W, SEC. 12, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8	N	N	N	N	N	N	N	N	N	N	N	N	8
9													9
10	O	O	O	O	O	O	O	O	O	O	O	O	10
11													11
12													12
13													13
14													14
15													15
16	F	F	F	F	F	F	F	F	F	F	F	F	16
17													17
18	L	L	L	L	L	L	L	L	L	L	L	L	18
19													19
20	O	O	O	O	O	O	O	O	O	O	O	O	20
21	W	W	W	W	W	W	W	W	W	W	W	W	21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MONTHLY													
MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ACFT	0	0	0	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
0.0	Not Applicable				October 01	0015	0.0	72.69	0

REMARKS:

Station located west of south end of weir, 4.6 miles south of Princeton.

Elevation of weir crest is 76.75 feet USED datum; length of crest is 500 feet.

Period of record for discharge is January 1940 to date (flood season only).
Gage height records are available as station A02445, Sacramento River at Moulton Weir.

The datum for this station from 1935 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1940:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	37300	83.71	March 02, 1983	2045
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02981 COLUSA WEIR SPILL BUTTE BASIN

LOCATION: LAT 39-14-12, LONG 121-59-38, T16N, R01W, SEC. 17, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1		0.0											1
2		0.0											2
3		0.0											3
4		0.0											4
5		0.0											5
6		0.0											6
7		0.0											7
8	N	0.0	N	N	N	N	N	N	N	N	N	N	8
9		0.0											9
10	O	0.0	O	O	O	O	O	O	O	O	O	O	10
11		0.0											11
12		0.0											12
13		0.0											13
14		0.0											14
15		0.0											15
16	F	0.0	F	F	F	F	F	F	F	F	F	F	16
17		0.0											17
18	L	0.0	L	L	L	L	L	L	L	L	L	L	18
19		0.0											19
20	O	0.0	O	O	O	O	O	O	O	O	O	O	20
21	W	0.0	W	W	W	W	W	W	W	W	W	W	21
22		0.0											22
23		0.0											23
24		0.0											24
25		5190											25
26		240											26
27		0.0											27
28		3.0											28
29		1320											29
30		0.0											30
31													31
MONTHLY													
MEAN	0.0	225	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	0.0	5190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
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	
ACFT	0	13390	0	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
18.5	November 25	1245	9230	63.41	October 1	0015	0.0	60.38	13390

REMARKS:

Station located at north end of weir, 2.0 miles north of Colusa.

Elevation of weir crest is 61.80 ft USED datum; length of crest is 1,650 feet.

Riparian growth and channel improvements were made in front of weir March 1982.

Period of record for discharge is January 1940 to date.
Gage height records are available as station A02430, Sacramento River at Colusa Weir.

Highest stage recorded beginning 1940 was 70.6 feet on March 1, 1940.

The datum for this station from 1935 to present is 0.0, USED.

FOR PERIOD OF RECORD BEGINNING 1940:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	72200	68.96	March 04, 1983	0530
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02967 BUTTE SLOUGH at OUTFALL GATES

LOCATION: LAT 39-11-44, LONG 121-56-04, T16N, R1E, SEC. 35, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not Available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8													8
9													9
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15													15
						N O	R E C O R D						
16													16
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24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MONTHLY MEAN													
MAX													
MIN													
ACFT													

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR		NR				NR			NR

REMARKS:

Station located 4 miles east of Colusa, 3.7 miles north of Meridian. Tributary to the Sacramento River.

Flow regulated by gravity culverts. During the summer months these flows, together with the flow of Butte Slough near Meridian (A02972), and Wadsworth Canal near Sutter (A05929) are made up almost entirely of return waters from lands irrigated by Feather River diversions Headwalls on the culverts were rebuilt on October 17, 1985.

Period of record for discharge is June 1923 to October 1938 (irrigation season only), January 1939 to date. Period of record for gage height is June 1924 to date.

The datum for this station is 0.00 feet, USED.

FOR PERIOD OF RECORD BEGINNING 1939:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	Not available.		
AVERAGE/YEAR	Not available		

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02960 TISDALE WEIR SPILL TO SUTTER BYPASS

LOCATION: LAT 39-01-36, LONG 121-49-16, T14N, R01E, SEC. 35, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1		0.0	0.0										1
2		0.0	0.0										2
3		0.0	0.0										3
4		0.0	0.0										4
5		0.0	28										5
6		0.0	0.0										6
7		0.0	0.0										7
8	N	0.0	0.0	N	N	N	N	N	N	N	N	N	8
9		0.0	0.0										9
10	O	0.0	0.0	O	O	O	O	O	O	O	O	O	10
11		0.0	158										11
12		0.0	4080										12
13		0.0	2250										13
14		1300	188										14
15		1180	0.0										15
16	F	1.0	0.0	F	F	F	F	F	F	F	F	F	16
17		1.0	0.0										17
18	L	85	0.0	L	L	L	L	L	L	L	L	L	18
19		0.0	0.0										19
20	O	0.0	0.0	O	O	O	O	O	O	O	O	O	20
21	W	0.0	0.0	W	W	W	W	W	W	W	W	W	21
22		0.0	0.0										22
23		0.0	0.0										23
24		0.0	0.0										24
25		4960	0.0										25
26		5400	0.0										26
27		1320	0.0										27
28		440	0.0										28
29		5780	0.0										29
30		2240	0.0										30
31			0.0										31
MONTHLY MEAN	0.0	757	216	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	0.0	5780	4080	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
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	
ACFT	0	45040	13300	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
80.6		NR				NR			58340

REMARKS:

Station located west of north end of weir, 5.0 miles southeast of Grimes.

See Sacramento River at Tisdale Weir for stage records. Weir crest elevation is 45.45' USED datum and length of crest is 1,155 feet.

Backwater from Sutter Bypass at times affects the stage-discharge relationship.

Period of record for discharge is January 1940 to date (flood season only).
Period of record for gage height is January 1935 to date (flood season only).

FOR PERIOD OF RECORD BEGINNING 1940:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	25700	53.3	March 1, 1940	NR

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02933 RECLAMATION DISTRICT 108 DRAIN TO SACRAMENTO RIVER

LOCATION: LAT 38-51-48, LONG 121-47-30, T12N, R02E, SEC. 30, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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
MONTHLY MEAN	24.4	74.2	81.3	46.1	39.7	52.2	34.5	129	120	120	152	107	
MAX													
MIN													
ACFT	1498	4417	4999	2834	2204	3208	2055	7923	7137	7369	9363	6369	

RECORDS SUFFICIENT TO COMPLETE ONLY MONTHLY FLOWS

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
82.0	NR				NR				59,380

REMARKS:

Plant located 4.5 miles east of Robbins.

This is drainage returned by pumping.

Period of record for discharge is April 1924 to October 1938 (irrigation season only) and January 1939 to date. Records for gage height are not available.

FOR PERIOD OF RECORD BEGINNING 1939:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	No Record.			
AVERAGE/YEAR	Not Available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02965 RECLAMATION DISTRICT 70 DRAIN TO SACRAMENTO RIVER

LOCATION: LAT 39-04-08, LONG 121-51-43, T14N, R1E, SEC 16, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1		0.0	32	0.0		0.0	0.0	0.0	0.0	46	42	37	1
2		0.0	35	0.0		0.0	0.0	0.0	0.0	45	39	35	2
3		0.0	36	23		6.0	0.0	0.0	0.0	57	22	25	3
4		0.0	35	39		6.0	21	0.0	0.0	53	16	27	4
5		0.0	34	16		7.0	20	0.0	0.0	45	30	28	5
6		0.0	33	0.0		7.0	21	0.0	39	42	41	29	6
7		0.0	33	26		7.0	23	41	38	44	41	30	7
8	N	0.0	34	39	N	5.0	25	77	37	41	41	41	8
9		0.0	34	39		0.0	26	42	35	36	36	38	9
10	O	0.0	34	38	O	0.0	30	33	18	29	37	47	10
11		0.0	34	0.0		0.0	33	53	18	26	40	30	11
12		0.0	31	0.0		0.0	35	15	19	29	40	31	12
13		0.0	31	0.0		0.0	36	27	40	32	39	33	13
14		0.0	12	0.0		0.0	37	35	59	34	39	23	14
15	R	0.0	0.0	0.0		0.0	56	17	57	34	41	3.0	15
16	E	0.0	0.0	0.0	F	0.0	53	16	20	43	42	0.0	16
17		9.0	18	0.0		0.0	30	12	20	38	41	6.0	17
18	C	15	36	0.0	L	0.0	30	0.0	20	36	53	6.0	18
19		25	35	0.0		0.0	15	18	10	38	53	9.0	19
20	O	19	14	0.0	O	0.0	16	0.0	10	32	40	9.0	20
21	R	17	22	0.0	W	0.0	18	16	0.0	32	29	9.0	21
22		0.0	37	0.0		0.0	36	37	10	63	32	12	22
23	D	24	37	0.0		0.0	0.0	57	20	69	33	6.0	23
24		19	13	0.0		0.0	0.0	0.0	19	64	33	20	24
25		30	0.0	0.0		0.0	37	31	37	25	33	4.0	25
26		30	0.0	0.0		0.0	39	0.0	51	14	17	2.0	26
27		31	0.0	0.0		0.0	39	53	45	42	20	4.0	27
28		47	0.0	0.0		0.0	21	32	53	38	39	4.0	28
29		30	0.0	0.0		0.0	21	0.0	59	38	40	2.0	29
30		32	0.0	0.0		0.0	0.0	0.0	49	24	40	8.0	30
31			0.0	0.0		0.0		32		26	39		31
MONTHLY													
MEAN	NR	10.9	21.3	7.1	0.0	1.2	23.9	20.8	26.1	39.2	36.4	18.6	
MAX	NR	47	37	39	0.0	7.0	56	77	59	69	53	47	
MIN	NR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14	16	0.0	
ACFT	NR	651	1309	436	0	75	1424	1277	1553	2410	2237	1107	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	NR				NR				NR

REMARKS:

Plant located 1.7 miles east of Grimes.

This is drainage returned by pumping and gravity. Plant also discharges additional measured flows to irrigation canals.

Period of record for discharge is May 1924 to October 1938 (irrigation season only), January 1939 to date.

FOR PERIOD OF RECORD BEGINNING 1939:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	Not available.			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02955 RECLAMATION DISTRICT 787 DRAIN TO SACRAMENTO RIVER

LOCATION: LAT 38-50-48, LONG 121-43-48, T12N, R02E, SEC. 34, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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
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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
MONTHLY MEAN	0.3	10.4	15.0	4.3	3.8	2.3	8.6	18.0	29.9	22.6	31.5	13.3	
MAX													
MIN													
ACFT	19	619	924	262	210	144	512	1110	1780	1390	1940	794	

RECORDS SUFFICIENT TO COMPLETE ONLY MONTHLY FLOWS

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
13.4	NR				NR				9704

REMARKS:

Plant located 2.1 miles southwest of Robbins.

This is drainage returned by pumping. Daily distribution of flow is not available since the plant operates on an automatic float switch.

Period of record for discharge is May 1949 to date.
Records for gage height are not available.

FOR PERIOD OF RECORD BEGINNING 1949:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	No record.			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observaton of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02976 COLUSA BASIN DRAIN AT HIGHWAY 20

LOCATION: LAT 39-11-42, LONG 122-03-36, T16N, R02W, SEC. 34, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.B1

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	429	455	987	236	163	235	214	376	1260	1040	1340	1650	1
2	410	468	851	233	148	221	304	409	1160	1070	1370	1670	2
3	370	433	1410	206	147	198	239	396	1050	1070	1350	1740	3
4	353	397	1700	188	142	188	221	464	969	1140	1350	1850	4
5	360	392	1490	157	134	169	212	511	936	1170	1320	1860	5
6	433	396	1260	157	135	199	232	560	888	1160	1320	1860	6
7	440	443	980	201	136	251	271	652	734	1150	1320	1880	7
8	446	519	803	258	335	321	436	683	670	1180	1290	2040	8
9	377	489	688	259	289	220	292	867	646	1170	1300	2640	9
10	324	493	968	236	200	196	394*	973	664	1140	1280	3080	10
11	388	797	1410	228	174	283	638	1030	552	1130	1300	3110	11
12	453	920	1200	287	162	260	385	1120	441	1240	1280	2840	12
13	385	1530	894	420	157	211*	428	1290	530	1290	1260	2300	13
14	301	1800	721*	470	153	182	475	1400	438	1370	1280	1860	14
15	286	1670	599	573	153	195	482	1390	335	1310	1270	1540	15
16	214	1890	545	504	154	169	523	1300	305	1240	1300	1300	16
17	235	2270	484	478	152	199	669	1170	335	1210	1350	1230	17
18	246	1980	420	391	158	191	683	1230	395	1230	1460	1120	18
19	280	1740	405	334	154	173	613	1280	524	1270	1580	968	19
20	369	1440	364	328	156	158	513	1290	785	1280	1600	842	20
21	360	1600	335	316	154	189	564	1350	895	1310	1580	745	21
22	368	1430	296	362	149	154	613	1340	934	1420	1580	773	22
23	371	1110	286	318*	161	130	625	1250	1010	1420	1600	746	23
24	392	1340	276	293	166	142	495	1220	1040	1360	1630	670	24
25	422*	1720	266	257	162	134	422	1260	933	1270	1610	627	25
26	409	1510	264	215	226	140	503	1200	831	1240	1560	679	26
27	439	1200	261	194	171*	244	328	1210	841	1230	1640	680	27
28	429	1610*	254	194	177	204	191	1230	895	1300	1610	642	28
29	469	1560	248	186		183	186	1340	998	1310	1620	623	29
30	461	1210	251	190		175	128	1360	1060	1310	1680	613	30
31	446		246	176		164		1340		1320	1670		31
MONTHLY													
MEAN	376	1160	683	285	170	196	409	1048	768	1237	1442	1473	
MAX	469	2270	1700	573	335	321	683	1400	1260	1420	1680	3110	
MIN	214	392	246	157	134	130	128	376	305	1040	1260	613	
ACFT	23140	69050	41970	17540	9457	12060	24360	64440	45730	76070	88660	87630	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
774	September 11	0015	3130	48.87	April 30	0200	102	37.99	560170

REMARKS:

Station located on the downstream side of the State Highway 20 bridge, 3.0 miles west of Colusa.

Stage-discharge relationship affected by backwater conditions created by downstream diversion structures.

Station moved from the upstream side of the bridge on June 14, 1979 to its present location.

Period of record for discharge is June 1924 to December 1940 (irrigation season only), May 1941 to date. Period of record for gage height is same as discharge.

The datum for this station from 1957 to present is 0.00, USED. Prior to 1957, the datum was 37.09, USED.

FOR PERIOD OF RECORD BEGINNING 1924:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	25400E	51.93	February 21, 1958	NR
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A00647 FRESHWATER CREEK AT LEESVILLE ROAD NEAR WILLIAMS

LOCATION: LAT 39-07-46, LONG 122-18-31, T15N, R04W, SEC. 28, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.B1

WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	0.4	0.7	0.4	0.3	0.5	1.0	0.4	0.0	0.0	0.0	0.0	1
2	0.1*	0.6	2.6	0.4*	0.3	0.4	0.9	0.4	0.1	0.0	0.0	0.0	2
3	0.1	0.5	9.7	0.4	0.3	0.5	0.8*	0.4	0.1	0.0	0.0	0.0	3
4	0.1	0.5	2.1*	0.4	0.3	0.5	0.7	0.4	0.0*	0.0	0.0	0.0	4
5	0.1	0.5	1.1	0.4	0.4*	0.6	0.7	0.4	0.0	0.0	0.0	0.0	5
6	0.1	0.4*	0.8	0.4	0.4	0.7*	0.7	0.3	0.0	0.0	0.0	0.0	6
7	0.1	0.4	0.7	0.4	0.6	0.7	0.7	0.2*	0.0	0.0	0.0	0.0	7
8	0.1	0.6	0.7	0.4	73	0.5	0.8	0.3	0.0	0.0	0.0	0.0	8
9	0.1	0.4	0.7	0.4	3.3	0.5	0.8	0.3	0.0	0.0	0.0	0.0	9
10	0.2	0.6	8.5	0.4	1.1	2.9	0.9	0.3	0.0	0.0	0.0	0.0	10
11	0.3	1.0	2.2	0.3	0.6	4.8	1.0	0.3	0.0	0.0	0.0	0.0	11
12	0.3	0.7	1.1	0.3	0.5	1.2	0.8	0.3	0.0	0.0	0.0	0.0	12
13	0.2	1.4	0.7	0.3	0.4	0.7	0.8	0.3	0.0	0.0	0.0	0.0	13
14	0.2	0.6	0.7	0.3	0.4	0.5	0.8	0.2	0.0	0.0	0.0	0.0	14
15	0.2	0.7	0.7	0.3	0.3	0.4	0.7	0.1	0.0	0.0	0.0	0.0	15
16	0.4	1.6	0.7	0.3	0.3	0.4	0.8	0.1	0.0	0.0	0.0	0.0	16
17	0.6	0.8	0.7	0.3	0.3	0.3	0.8	0.1	0.0	0.0	0.0	0.0	17
18	0.5	0.8	0.7	0.3	0.3	0.4	0.7	0.2	0.0	0.0	0.0	0.0	18
19	0.5	0.7	0.6	0.3	0.3	0.3	0.7	0.2	0.0	0.0	0.0	0.0	19
20	0.4	0.8	0.6	0.3	0.3	0.4	0.6	0.1	0.0	0.0	0.0	0.0	20
21	0.4	0.7	0.6	0.3	0.3	0.3	0.7	0.1	0.0	0.0	0.0	0.0	21
22	0.4	0.7	0.5	0.3	0.3	0.3	0.7	0.1	0.0	0.0	0.0	0.0	22
23	0.4	0.7	0.5	0.3	0.3	0.3	0.6	0.0	0.0	0.0	0.0	0.0	23
24	0.4	1.0	0.5	0.3	0.3	0.4	0.5	0.0	0.0	0.0	0.0	0.0	24
25	0.3	0.8	0.5	0.3	0.4	0.4	0.5	0.0	0.0	0.0	0.0	0.0	25
26	0.3	0.8	0.5	0.3	0.4	7.6	0.5	0.1	0.0	0.0	0.0	0.0	26
27	0.3	13	0.5	0.3	0.4	6.8	0.5	0.1	0.0	0.0	0.0	0.0	27
28	0.4	7.2	0.5	0.3	0.4	3.0	0.5	0.1	0.0	0.0	0.0	0.0	28
29	0.4	1.2	0.4	0.3		2.3	0.4	0.1	0.0	0.0	0.0	0.0	29
30	0.4	0.8	0.4	0.3		1.3	0.4	0.1	0.0	0.0	0.0	0.0	30
31	0.4		0.4	0.3		1.1		0.1		0.0	0.0		31
MONTHLY													
MEAN	0.3	1.4	1.3	0.3	3.1	1.3	0.7	0.2	0.0	0.0	0.0	0.0	
MAX	0.6	13	9.7	0.4	73	7.6	1.0	0.4	0.1	0.0	0.0	0.0	
MIN	0.0	0.4	0.4	0.3	0.3	0.3	0.4	0.0	0.0	0.0	0.0	0.0	
ACFT	17	81	83	20	172	81	42	12	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
0.7	February 8	0500	239	04.49	October 1	0100	0.0	01.46	508

REMARKS:

Station located on downstream side of Leeaville Road bridge, 9.8 miles west of Williams.
Tributary to Colusa Basin Drain.

Period of record for discharge is October 1981 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1982 to present is 0.0, local.

FOR PERIOD OF RECORD BEGINNING 1982:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	3180	10.84	January 26, 1983	1800
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02950 RECLAMATION DISTRICT 787 DRAIN TO COLUSA BASIN DRAIN

LOCATION: LAT 38-48-03, LONG 121-43-28, T11N, R02E, SEC. 14, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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
			RECORDS SUFFICIENT TO COMPLETE ONLY MONTHLY FLOWS										
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
MONTHLY MEAN	0.0	0.0	0.0	0.0	0.0	0.0	1.5	9.0	0.6	0.0	3.7	0.4	
MAX													
MIN													
ACFT	0	0	0	0	0	2	90	554	37	0	228	24	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
1.3		NR				NR			935

REMARKS:

Plant located 0.3 miles west of Knights Landing.

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

Period of record for discharge is January 1940 to date.
Record for gage height are not available.

FOR PERIOD OF RECORD BEGINNING 1940:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	No record.			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02945 COLUSA BASIN DRAIN AT KNIGHTS LANDING

LOCATION: LAT 38-48-06, LONG 121-43-18, T11N, R02E, SEC. 14, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.DO

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	689	170	0.0	532	183	138	89	0.0	1520	1150	1250	1850	1
2	531	391	0.0	527	181	145	126	0.0	1480	793	1260	1870	2
3	489	212	0.0	458	171	160	270	136	1360	993	1260	1880	3
4	529	0.0	0.0	434	250	196	167	250	1080	1010	1250	1930	4
5	529	240	0.0	294	131	179	29	244	982	965	1140	2020	5
6	533	258	0.0	146	18	178	28	91	943	982	1180	2070	6
7	569	223	0.0	164	19	208	28	0.0	809	989	1200	2090	7
8	595	233	0.0	180	277	278	114	351	466	1140	1200	2100	8
9	610	403	0.0	186	177	320	464	630	585	1170	1250	2160	9
10	741	550	0.0	175	0.0	239	448	741	600	1150	1310	2240	10
11	618	612	0.0	175	36	240	464	811	450	998	1290	2250	11
12	609	843	0.0	175	380	227	558	834	425	1080	1210	2260	12
13	622	401	0.0	239	436	175	544	1130	348	1290	1170	2290	13
14	524	0.0	0.0	305	399	202	534	1280	447	1440	1160	2280	14
15	440	0.0	0.0	496	185	182	541	1310	213	1440	1190	2230	15
16	387	0.0	0.0	660	176	206	556	1460	0.0	1240	1200	2090	16
17	356	87	0.0	543	184	208	582	1280	0.0	1240	1250	1900	17
18	347	0.0	0.0	663	182	218	616	1140	176	1080	1320	1790	18
19	350	0.0	0.0	422	184	221	637	1080	221	1200	1490	1680	19
20	370	0.0	0.0	73	181	166	639	1290	184	1150	1590	1260	20
21	421	0.0	0.0	23	185	189	620	1370	618	1030	1710	1150	21
22	431	0.0	4.0	61	171	194	616	1360	657	1180	1760	1030	22
23	445	0.0	478	303	171	164	621	1320	674	1350	1710	978	23
24	452	0.0	556	395	171	170	618	1260	1200	1400	1690	934	24
25	457	0.0	561	392	174	184	598	1260	979	1370	1700	876	25
26	567	0.0	254	400	169	166	580	1280	738	1090	1740	831	26
27	776	0.0	243	397	180	229	563	1290	735	852	1730	853	27
28	867	0.0	243	314	162	270	479	1280	732	852	1740	842	28
29	909	0.0	223	184		212	176	1300	738	853	1750	816	29
30	955	0.0	241	183		230	30	1390	767	1030	1780	794	30
31	1020		230	185		209		1490		1200	1820		31
MONTHLY													
MEAN	572	154	97.8	312	183	203	411	924	671	1120	1429	1645	
MAX	1020	843	561	663	436	320	639	1490	1520	1440	1820	2290	
MIN	347	0.0	0.0	23	0.0	138	28	0.0	0.0	793	1140	794	
ACFT	35180	9170	6016	19210	10180	12500	24470	56840	39920	68840	87870	97870	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	CFS	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	CFS	G.H.	TOTAL ACRE FEET
647		NR				NR			468066

REMARKS:

Station located at Knights Landing Outfall Gates, 0.3 miles west of Knights Landing. Tributary to Sacramento River.

Flow regulated by outfall gates.

Period of record for discharge is May 1924 to October 1939 (irrigation season only), January 1940 to date. Period of record for gage height is same discharge.

The datum for this station from 1924 to present is 0.0, USED.

FOR PERIOD OF RECORD BEGINNING 1924:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	NR	40.40	March 6, 1983	2200
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02930 FREMONT WEIR SPILL TO YOLO BYPASS

LOCATION: LAT 38-45-44, LONG 121-39-02, T11N, R03E, SEC. 27, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-02.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8	N	N	N	N	N	N	N	N	N	N	N	N	8
9													9
10	O	O	O	O	O	O	O	O	O	O	O	O	10
11													11
12													12
13													13
14													14
15													15
16	F	F	F	F	F	F	F	F	F	F	F	F	16
17													17
18	L	L	L	L	L	L	L	L	L	L	L	L	18
19													19
20	O	O	O	O	O	O	O	O	O	O	O	O	20
21	W	W	W	W	W	W	W	W	W	W	W	W	21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MONTHLY MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ACFT	0	0	0	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
0.0	OCTOBER 01	0015	0.0	NR	OCTOBER 01	0015	0.0	NR	0

REMARKS:

Station located 4.1 miles southeast of Knights Landing.

Concrete weir 9,120 feet wide with elevation at crest equal to 33.50 (USED) - 3.14 = 30.36 (NGVD).
Flows are computed using gage Sacramento River at Fremont Weir (west) for gage heights.

Period of record for discharge is January 1947 to date.

The datum for this station not relevant.

FOR PERIOD OF RECORD BEGINNING 1935:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	294000	NR	December 23, 1955	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A04265 BUTTE CREEK NEAR DURHAM

LOCATION: LAT 39-40-38, LONG 121-46-37, T21N, R2E, SEC. 17, MD B&M BUTTE COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	38	88	354	185	170	233	415	116	61	15	9.8	13	1
2	37	157	324	183	175	235	458	117	49	13	13	13	2
3	36	310	356	181	176	226	466	117	45	13	9.8	13	3
4	35	180	287	180	172	232	440	111	40	16	8.4	11	4
5	35*	146	285	178	167	229	431	105	40	22	8.2	9.9	5
6	35	168	261	176	169	242	415	101	45	18	7.9	13	6
7	34	251	241	211	238	292	406	96	41	22	7.9	22	7
8	36	268	241	219	1920	256	396	93	39	22	7.9*	99	8
9	38	238	239	212	757	247	388*	91	34	18	7.9	143	9
10	41	179	313	213	469	274	380	89	31	16	7.9	112	10
11	137	388	474	207	364	290	357	87	26	13	8.0	71	11
12	86	475	444*	221	320	284	346	89	27	9.0	8.3	54	12
13	64	820	380	216	301	284	317	85	25	10	8.3	45	13
14	59	527	343	213	293	283	282	80	23	10	8.6	47	14
15	66	343*	427	209	289	288*	304	78*	20	10	8.3	40	15
16	87	349	421	194	284	288	306	68	20	10	8.3	37	16
17	110	353	326	189	278	284	293	66	25	14	8.3	38*	17
18	99	372	295	190	268	303	271	60	26	17*	8.5	43	18
19	116	329	272	187	266	306	281	56	29	19	8.7	59	19
20	113	336	253	187	266	299	258	60	24	23	8.7	54	20
21	100	352	241	184	256	301	248	64	21	24	8.7	52	21
22	87	299	231	183	252*	282	243	61	21	24	8.7	54	22
23	75	268	223	180	255	272	229	54	20	14	8.7	53	23
24	63	805	218	175	251	314	221	60	22	9.6	8.7	26	24
25	65	520	212	172	248	339	211	69	22	10	11	25	25
26	67	374	209	184	242	419	204	67	20	9.1	12	25	26
27	75	575	204	179	238	482	168	66	17	10	9.5	26	27
28	68	922	202	190	233	454	142	63	18	9.1	9.9	30	28
29	81	547	194	184*		383	132	68	17	9.1	9.5	24	29
30	85	413	190	174		358	121	74	17	8.8	11	24	30
31	83		186	173		367		66		8.8	12		31
MONTHLY MEAN	69.4	378	285	191	333	301	304	79.9	28.8	15.4	9.1	42.5	
MAX	137	922	474	221	1920	482	466	117	61	24	13	143	
MIN	34	88	186	172	167	226	121	54	17	8.8	7.9	9.9	
ACFT	4278	22520	17550	11760	18480	18540	18110	4913	1716	886	560	2531	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
168	February 08	0930	3570	7.06	July 12	1915	7.90	1.02	121832

REMARKS:

Station located 0.1 mile below Ord-Chico Highway bridge, 2.6 miles northeast of Durham. Tributary to Butte Slough.

Flow affected at times by large upstream diversions and imports from West Branch Feather River.

Period of record for discharge is January 1958 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1958 to present is 181.01, USED.

PERIOD OF RECORD BEGINNING 1958:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANEOUS MAXIMUM	21300E	14.55	December 22, 1964	1850
AVERAGE/YEAR	Not Available			

E = Estimated. NR = No Record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02984 CHEROKEE CANAL NEAR RICHVALE

LOCATION: LAT 39-27-54, LONG 121-44-30, T19N, R02E, SEC. 23, MD B&M BUTTE COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	2.4	40	138	71	27	59	36	22	35	26	23	23	1
2	2.9	37	123	70	41	59	32	23	35	29	19	24	2
3	3.9	41	236	66	59	59	29	14	31	39	17	26	3
4	8.2*	44	173	65	59	57	26	12	28	22	9.7	28	4
5	6.6	43	135	67	58	59*	30	31	31	33	15	33	5
6	6.2	47	119	67	57	73	49	29	33	41	27	27	6
7	6.4	48	104	80	78	104	47	32	32	37	30	23	7
8	6.4	60	98	101	987	91	50	30	29	37	28	25	8
9	5.2	64	91	77	329	75	57*	29	32	37	23*	28	9
10	4.2	56	240	74	158	76	51	27	36	36	22	19	10
11	23	157	234	70	119	108	54	23	32	36	20	4.6	11
12	37	403	147	67	104	61	52	30	31	38	19	14	12
13	29	461	115	66	94	41	49	35	31	39	19	43	13
14	25	217*	99	65	87	36	44	29	30	38	19	37	14
15	23	123	197	64	83	32	45	32*	36	38*	19	34	15
16	25	163	482	63	80	30	44	25	37	38	19	27	16
17	52	240	201	62	77	28	48	28	38	34	21	33*	17
18	45	348	140	63	74	26	45	34	34	33	23	37	18
19	36	198	119	63	73	28	51	28	33	34	23	34	19
20	36	138	108*	62	71	25	15	30	31	34	25	33	20
21	37	380	99	61	69*	22	11	36	31	33	24	40	21
22	38	178	93	60	67	20	15	32	35	35	23	32	22
23	40	125	89	61	64	20	26	33	39	35	25	23	23
24	34	1080	87	62	63	22	18	33	39	35	25	22	24
25	33	380	85	60	62	30	23	39	35	34	26	15	25
26	31	188	82	71	61	32	30	34	32	33	26	9.4	26
27	34	231	80	71	60	230	31	35	36	28	26	12	27
28	36	801	77	67	58	104	29	30	35	24	26	13	28
29	35	237	75	70		66	25	29	36	30	24	12	29
30	41	168	73	59*		51	23	26	31	31	23	12	30
31	42		72	38		41		33		30	23		31
MONTHLY													
MEAN	25.3	223	136	66.5	115	56.9	36.2	29.1	33.5	33.8	22.3	24.8	
MAX	52	1080	482	101	987	230	57	39	39	41	30	43	
MIN	2.4	37	72	38	27	20	11	12	28	22	9.7	4.6	
ACFT	1556	13280	8352	4092	6385	3501	2152	1791	1991	2077	1372	1474	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	CFS	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	CFS	G.H.	TOTAL ACRE FEET
66.3	November 24	1215	3180	9.86	May 04	730	1.5	3.33	48023

REMARKS:

Station located at Butte City Road bridge, 2.1 miles south of Richvale.

Backwater from Cherokee Dam Weir, 1.05 miles below station, at times affects the stage-discharge relationship.

Period of record for discharge is June 1960 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1960 to present is 88.2, USCGS.

FOR PERIOD OF RECORD BEGINNING 1960:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	15200E	13.80	October 13, 1962	1940
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02972 BUTTE SLOUGH NEAR MERIDIAN

LOCATION: LAT 39-10-05, LONG 121-53-28, T15N, R01E, SEC. 06, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	167	309	2500	451	256	158	252	221	378	289	527	774	1
2	176	253	2360	452	243	174	249	237	372	291	530	763	2
3	172	169	2210	412	240	146	273	261	339	312	483	764	3
4	171	212	2080	355	240	143	287	310	282	362	415	790	4
5	176	237	1990	340	230	146	274	288	270	378	391	811	5
6	179	208	1870	337	226	163	258	259	268	389	362	823	6
7	182	201	1710	341	220	205	245	247	338	382	361	823	7
8	185	234	1460	361	245	245	258	255	300	392	381	836	8
9	187	291	1250	403	666	298	293	241	248	357	390	922	9
10	187	365	1130	420	1200	279	283*	222	271	311	391	1040	10
11	186	403	1140	429	993	277	256	219	258	294	401	1100	11
12	193	817	1200	418	715	354	211	221	238	306	404	1120	12
13	204	1510	1170*	413	558	351*	234	271	230	346	405	1120	13
14	201	1820	1120	390	445	265	360	335	222	405	416	1080	14
15	192	1970	1060	411	352	200	391	360	224	463	433	1020	15
16	180	2030	1010	453	292	221	391	396	270	517	441	963	16
17	180	2010	1140	455	272	220	360	350	267	506	512	793	17
18	170	2040	1130	432	255	220	278	329	214	469	587	635	18
19	181	2050	1070	407	236	219	270	258	175	442	663	546	19
20	220	2050	1010	388	239	219	282	321	180	407	796	502	20
21	261	2050	964	373	233	241	294	359	204	415	863	441	21
22	292	2000	851	363	220	303	310	380	225	444	851	385	22
23	318	1940	755	349*	207	301	327	425	216	490	827	350	23
24	356	1870	702	340	197	271	279	407	259	511	832	287	24
25	378	1960	652	324	196	310	213	383	346	532	820	215	25
26	346	2300	616	313	183	370	200	375	368	535	785	151	26
27	277	2360	567	300	176	227	227	371	336	530	720	122	27
28	257	2430	547	293	167*	349	216	351	316	526	688	129	28
29	264	2460*	520	287		340	216	362	288	537	677	140	29
30	274	2520	483	279		319	220	390	282	544	709	142	30
31	286		461	271		278		379		535	755		31
MONTHLY													
MEAN	226	1369	1185	373	346	252	274	316	273	426	575	653	
MAX	378	2520	2500	455	1200	370	391	425	378	544	863	1120	
MIN	167	169	461	271	167	143	200	219	175	289	361	122	
ACFT	13880	81460	72850	22930	19240	15490	16280	19400	16230	26220	35340	38850	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
522	November 30	1845	2540	48.25	September 27	1500	120	40.94	378170

REMARKS:

Station located on right bank 0.5 miles upstream from Farmlan Road 1.7 miles northeast of Meridian. Tributary to Sutter Bypass.

Flow affected by gate operation upstream. Stage-discharge relationship affected by backwater conditions created by downstream diversion structures. 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.

Period of record for discharge is January 1939 to date. Period of record for gage height is November 1934 to May 1937 (flood season only), October 1937 to date.

The datum for this station from 1934 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1937:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	179000	62.20	March 04, 1983	1100
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A05922 RECLAMATION DISTRICT 1660 DRAINAGE TO SUTTER BYPASS

LOCATION: LAT 39-01-57, LONG 121-44-33, T14N, R2E, SEC 27, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	126	0.0	65	19							0.0	0.0	1
2	126	0.0	66	12							0.0	0.0	2
3	126	0.0	67	15							0.0	0.0	3
4	116	0.0	67	18							0.0	36	4
5	116	0.0	66	18							0.0	21	5
6	116	0.0	70	17							0.0	35	6
7	107	0.0	66	2.0							0.0	35	7
8	86	0.0	67	0.0	N	N	N	N	N	N	0.0	35	8
9	76	0.0	70	0.0							0.0	35	9
10	38	0.0	65	0.0	O	O	O	O	O	O	0.0	35	10
11	23	0.0	83	0.0							0.0	35	11
12	38	0.0	61	0.0							0.0	35	12
13	38	0.0	63	0.0							0.0	35	13
14	63	0.0	70	0.0							0.0	35	14
15	63	0.0	68	0.0							0.0	35	15
16	63	35	69	0.0	F	F	F	F	F	F	0.0	36	16
17	76	36	68	0.0							0.0	36	17
18	63	36	68	0.0	L	L	L	L	L	L	0.0	36	18
19	63	35	71	0.0							0.0	37	19
20	63	33	69	0.0	O	O	O	O	O	O	0.0	26	20
21	76	34	57	0.0	W	W	W	W	W	W	0.0	22	21
22	76	37	59	0.0							37	18	22
23	50	64	29	0.0							36	0.0	23
24	63	64	30	0.0							36	0.0	24
25	50	64	26	0.0							36	0.0	25
26	63	59	30	0.0							36	0.0	26
27	63	62	28	0.0							36	0.0	27
28	0.0	65	29	0.0							36	0.0	28
29	0.0	64	23	0.0							36	0.0	29
30	0.0	64	31	0.0							33	0.0	30
31	0.0		19	0.0							29		31
MONTHLY													
MEAN	65.4	25.1	55.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	11.3	20.6	
MAX	126	65	83	19	0.0	0.0	0.0	0.0	0.0	0.0	37	37	
MIN	0.0	0.0	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ACFT	4020	1492	3412	200	0.0	0.0	0.0	0.0	0.0	0.0	696	1226	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
15.3	NR				NR				11046

REMARKS:

Plant located 9.9 miles southwest of Yuba City, 8.5 mile east of Grimes.

This is drainage returned by pupmping and gravity.

Period of record for discharge is May 1954 to date.
Records for gage height are not available.

FOR PERIOD OF RECORD BEGINNING 1954:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANEOUS MAXIMUM	Not available.			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A05929 WADSWORTH CANAL NEAR SUTTER

LOCATION: LAT 39-09-12, LONG 121-44-00, T15N, R02E, SEC. 15, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	115	86	104	39	23	17	170	46	174	89	90	218	1
2	120	45	94	36	23	22	162	86	164	70	81	223	2
3	126	25	151	35	23	21	124	100	187	75	90	242	3
4	126*	20	124	36	23	7.0	116	132	179	77	88	256	4
5	140	24	104	35	22	16*	112	110	158	58	75	274	5
6	126	23	92	35	23	6.0	131	101	140	44	67	261	6
7	127	22	81	48	24	22	137	74	108	56	92*	253	7
8	132	26	73	48	118	69	126	65	141	61	89	294	8
9	126	24	68	47	97	130	112*	108	130	34	94	335	9
10	132	23	81	47	65	147	139	108	97	31	94	366	10
11	147	33	86	45	56	143	99	77	60	57	79	333	11
12	143	47	79	44	49	92	115	90	53	64	75	276	12
13	130	71	73	34	45	82	151	106	39	75	85	260	13
14	128	57*	67	34	41	97	203	105	29	108	120	239	14
15	130	43	84	33	40	110	180	125	44	105	128	216	15
16	127	49	104	30	38	110	117	97	54	97*	121	195	16
17	114	53	82	30	37	121	142	84*	64	87	97	177	17
18	128	89	75	29	35	128	138	157	38	90	118	171*	18
19	125	68	73	28	35	115	153	189	24	97	138	171	19
20	103	64	64*	28	33	96	163	175	24	71	141	155	20
21	102	75	59	31	31*	84	171	181	38	77	147	133	21
22	101	62	57	33	30	91	132	170	84	92	149	121	22
23	115	53	52	30	29	137	104	167	88	79	140	112	23
24	110	165	52	28	28	152	107	225	80	81	177	107	24
25	102	137	49	27	27	145	132	185	73	75	163	116	25
26	101	101	48	26	26	148	150	190	81	75	201	121	26
27	98	126	46	25	22	233	126	210	75	65	204	121	27
28	104	309	44	23	24	196	71	194	77	73	201	124	28
29	110	175	42	24		199	35	165	80	84	193	130	29
30	108	123	40	24*		213	55	163	98	87	203	127	30
31	118		40	24		210		162		93	206		31
MONTHLY													
MEAN	120	73.9	73.8	33.4	38.1	108	129	134	89.4	75.1	127	204	
MAX	147	309	151	48	118	233	203	225	187	108	206	366	
MIN	98	20	40	23	22	6.0	35	46	24	31	67	107	
ACFT	7367	4399	4538	2055	2116	6662	7682	8225	5318	4616	7827	12150	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
101		NR				NR			72955

REMARKS:

Station located at South Butte Road bridge, 0.9 miles east of Sutter. Tributary to Sutter Bypass.

This station and one 2.2 miles 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. Stage-discharge relationship affected by backwater conditions created by downstream diversion structures.

Records from January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road. Period of record for discharge is March 1961 to date. Period of record for gage height is same as discharge.

The datum for this station from 1961 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1929:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM**	1340	47.15	February 27, 1973	1930
AVERAGE/YEAR	Not available.			

** Instantaneous maximum gage height was recorded on March 4, 1983 (0945) as 54.29 feet (discharge not calculated).

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02963 RECLAMATION DISTRICT 1660 DRAINAGE TO TISDALE BYPASS

LOCATION: LAT 39-01-44, LONG 121-46-53, T14N, R2E, SEC 30, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	57	0.0	0.0	25	0.0	33	8.9	31	19	32	0.0	1
2	0.0	53	0.0	0.0	27	0.0	35	5.4	30	16	35	0.0	2
3	0.0	45	35	0.0	27	0.0	39	9.3	33	15	37	0.0	3
4	0.0	38	0.0	0.0	27	0.0	41	15	25	15	38	0.0	4
5	0.0	30	50	0.0	30	0.0	41	16	25	14	38	0.0	5
6	0.0	22	0.0	0.0	30	32	41	16	8.0	13	40	0.0	6
7	0.0	0.0	0.0	27	30	31	41	16	9.2	16	42	0.0	7
8	0.0	0.0	37	22	33	30	40	16	9.8	16	43	0.0	8
9	0.0	0.0	0.0	22	32	30	38	15	10	17	45	0.0	9
10	0.0	0.0	0.0	25	33	27	35	16	11	17	52	0.0	10
11	0.0	10	0.0	22	25	26	35	17	11	27	50	23	11
12	10	10	0.0	25	28	26	35	16	11	25	50	0.0	12
13	10	0.0	27	25	28	27	36	17	35	27	48	0.0	13
14	10	0.0	0.0	25	14	26	38	55	37	27	36	0.0	14
15	14	0.0	0.0	22	22	27	39	51	37	57	53	0.0	15
16	20	0.0	0.0	25	28	27	39	43	34	51	39	0.0	16
17	27	36	0.0	32	25	27	38	45	11	48	38	0.0	17
18	28	38	0.0	36	27	26	39	25	11	33	52	0.0	18
19	32	47	0.0	39	22	26	38	16	11	33	46	0.0	19
20	32	37	0.0	41	10	25	39	17	11	34	38	0.0	20
21	32	0.0	0.0	47	14	25	39	19	11	36	30	0.0	21
22	32	0.0	0.0	43	14	24	38	30	11	38	28	0.0	22
23	32	0.0	0.0	39	17	24	46	30	11	58	14	0.0	23
24	28	17	0.0	35	22	24	40	46	11	54	14	17	24
25	28	0.0	0.0	32	20	24	36	27	11	51	10	14	25
26	28	0.0	0.0	30	25	25	30	23	11	48	14	14	26
27	32	47	0.0	27	22	26	25	25	23	35	14	14	27
28	32	10	0.0	25	25	22	14	25	21	37	14	14	28
29	28	0.0	0.0	22		20	0.0	26	20	35	10	17	29
30	27	43	0.0	22		19	0.0	45	20	35	10	16	30
31	14		0.0	25		18		47		35	0.0		31
MONTHLY													
MEAN	16.0	18.0	4.8	23.7	24.4	21.4	34.3	25.1	18.4	31.7	32.6	4.3	
MAX	32	57	50	47	33	32	46	55	37	58	53	23	
MIN	0.0	0.0	0.0	0.0	10	0.0	0.0	5.4	8.0	13	0.0	0.0	
ACFT	984	1071	296	1458	1353	1317	2039	1544	1093	1948	2003	256	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
21.2		NR				NR			15362

REMARKS:

Plant located on north levee od Tisdale Bypass, 2.1 miles east of Tisdale Weir, located 6.8 miles east of Grimes.

This is drainage returned by pumping and gravity.

Period of record for discharge is January 1925 to date.
Records for gage height are not available.

FOR PERIOD OF RECORD BEGINNING 1929:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANEOUS MAXIMUM	Not available.			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No Record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02926 RECLAMATION DISTRICT 1500 DRAIN TO SACRAMENTO SLOUGH

LOCATION: LAT 38-47-06, LONG 121-39-18, T11N, R03E, SEC. 20, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	20	0.0	141	90	33	41	25	105	487	368	285	324	1
2	0.0	0.0	154	65	0.0	33	4.0	131	373	274	324	315	2
3	114	0.0	174	65	91	48	0.0	132	328	237	324	324	3
4	0.0	0.0	171	45	25	22	25	145	144	274	342	351	4
5	0.0	0.0	147	20	16	36	15	152	591	296	342	368	5
6	0.0	0.0	138	86	29	13	62	173	409	274	351	285	6
7	0.0	0.0	138	62	33	0.0	57	167	424	274	359	538	7
8	0.0	41	143	70	194	99	60	158	366	274	359	360	8
9	0.0	33	111	74	174	45	44	172	301	262	359	405	9
10	74	53	143	86	120	78	81	164	447	285	333	413	10
11	0.0	49	132	74	101	25	110	174	382	285	351	388	11
12	0.0	57	151	66	65	29	86	207	391	285	306	318	12
13	0.0	167	142	74	78	41	84	239	411	262	315	278	13
14	0.0	92	114	61	82	41	82	243	215	209	315	229	14
15	18	76	135	41	53	41	59	187	275	180	306	209	15
16	66	88	127	57	49	41	75	91	306	148	306	197	16
17	0.0	100	119	57	82	25	115	355	309	297	315	193	17
18	0.0	120	104	57	41	53	136	365	317	276	324	160	18
19	0.0	112	108	57	41	25	264	156	257	263	33	127	19
20	0.0	116	104	57	58	13	167	341	265	267	297	12	20
21	0.0	132	96	53	58	47	145	288	286	280	496	28	21
22	0.0	116	97	53	53	23	122	288	279	263	477	53	22
23	0.0	92	85	37	53	4.0	143	282	325	296	317	65	23
24	16	128	85	41	25	8.0	204	276	332	296	66	85	24
25	0.0	128	85	53	41	0.0	274	250	560	279	209	67	25
26	0.0	131	89	53	41	0.0	325	276	383	250	250	67	26
27	0.0	177	77	16	41	8.0	199	301	309	226	250	27	27
28	0.0	170	77	0.0	41	62	133	335	325	230	296	34	28
29	0.0	173	65	25		62	94	368	460	144	306	28	29
30	0.0	161	65	33		49	102	351	367	315	324	80	30
31	0.0		65	33		107		385		250	342		31
MONTHLY MEAN	9.9	83.7	116	53.6	61.4	36.1	110	234	354	262	309	211	
MAX	114	177	174	90	194	107	325	385	591	368	496	538	
MIN	0.0	0.0	65	0.0	0.0	0.0	0.0	91	144	144	33	12	
ACFT	611	4982	7105	3295	3408	2220	6530	14390	21070	16100	19000	12550	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
154		NR				NR			111261

REMARKS:

Plant located on west levee of Sutter Bypass, 3.7 miles southeast of Knights Landing.

This is drainage returned by pumping and gravity.

Period of record for discharge is April 1930 to October 1938 (irrigaton season only) and January 1938 to date. Records for gage height are not available.

FOR PERIOD OF RECORD BEGINNING 1915:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	Not available.			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02925 SACRAMENTO SLOUGH AT SACRAMENTO RIVER

LOCATION: LAT 38-46-63, LONG 121-38-27, T11N, R3E, SEC. 21, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 theough SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	273	434	---F	622	455	364	603	415	1340	614	1290E	1850	1
2	246	634	5310	671	393	352	480	445	1280	612	1310	1870	2
3	358	582	4740	609	484	325	384	535	1120	552	1270	1850	3
4	361	380	3670	584	422	304	363	682	1110	549	1280	1880	4
5	369	165	2710	533	344	203	358	708	1010	639	1240	1860	5
6	291	53	2790	526	381	174	484	711	908	684	1190	1930	6
7	280	52	2850	466	396	157	502	561	882	705	1100	2090	7
8	305	54	2440	472*	327	221	479	472	905	690	1080	1970	8
9	305	214	2300	562	14	355	451	361	752	693	1080	2020	9
10	336	227	2070	846	936	408	558*	350	848	667	1050	2190	10
11	387	308	1300	757	1480	375	670	394	803	610	1100	2290	11
12	354	435	689	665	1270	483	637	496	727	615	1110	2340	12
13	322	474	2180	650	1180	569*	616	644	749	638	1160	2270	13
14	407	592	2840	646	1040	593	604	797	670	638	1180	2220	14
15	422	1220	2520	546	914	596	678	1020	551	795	1160	2150	15
16	419	1800	1890	468	771	536	835	938	576	879	1260	2040	16
17	421	1840	1600	598	679	559	804	978	608	978	1360	1970	17
18	381	1630	1580	628	553	562	725	987	652	939	1420	1880	18
19	368	1850	1550	629	492	526	819	916	581	939	1470	1720	19
20	367	1890	1410	648	453	466	774	943	519	917	1570	1430	20
21	350	2180	1320	618	394	471	767	950	486	897	1930	1370	21
22	350	1940	1260	602	371	485	840	1020	431	832	1950	1340	22
23	379	2050	1150	609	416	470	821	1140	433	1100E	1910	1240	23
24	310	2090	1020	575	369	527	743	1110	558	1040E	1840	1110	24
25	335*	1670	943	548	366	554	708	1120	790	1100E	1840	969	25
26	480	2640	742	562	337	737	729	1120	855	1100E	1840	823	26
27	492	4380	581	576	365*	880	762	1130	763	1090E	1850	704	27
28	459	4880	655	482	348	768	705	1190	779	1120E	1850	648	28
29	405	3800	661	520		640	609	1210	739	1150E	1840	611	29
30	381	---F	641	504		635	412	1180	698	1200E	1820	562	30
31	334		600	469		687		1200		1260E	1830		31
MONTHLY													
MEAN	363	NR	NR	587	570	483	631	830	771	847E	1457	1640	
MAX	492	NR	NR	846	1480	880	840	1210	1340	1260E	1950E	2340	
MIN	246	NR	NR	466	14	157	358	350	431	549	1050E	562	
ACFT	2231	NR	NR	36080	31640	29720	37530	51020	45860	52050E	89610	97580	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	NR				NR				NR

REMARKS:
Station located 0.5 miles above mouth, 4.6 miles southeast of Knights Landing.

During low flows this represents combined flows of Sutter Bypass and Reclamation District 1500. During high flows (above approx. gage height 26.0 feet) the slough is entirely submerged as it lies within th bypass area. Sharp rises in the Sacramento River cause zero or negative flow.

Period of record for discharge is June 1924 to October 1939 (irrigarion season only), and January 1940 to date. Period of record for gage height is April 1945 to December 1949 (irrigation season only), and April 1947 to date.

The datum for this station from 1945 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1947:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	Not available.			
AVERAGE/YEAR	Not available.			

E = Estimate. NR = No Record. * = Dischsrge measurement of observation of no flow.

F = Flooded.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A05165 FEATHER RIVER NEAR GRIDLEY

LOCATION: LAT 39-22-00, LONG 121-38-48, T18N, R03E, SEC. 33, MD B&M BUTTE COUNTY

DRAINAGE AREA: 3676 SQ MILES HYDROLOGIC AREA: A-08.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	2350	1680	2950	3590	2530	2420	1460	4130	5460	3960	4030	2080	1
2	2370	1940	3980	3580	2580	2330	1500	4500	5460	3980	4040	2020	2
3	2290	1910	4610	3580	2560	2290	1510	4480	5510	3990	3670	1960	3
4	2080	1900	5410	3380	2560	2310	1470	4490	5520	3970	3580	1790	4
5	1940	2070	5480	2560	2580	2350	1470	4460	5520	3800	3580	1640	5
6	1940	2280	5500	2450	2570	2360	1470	4480	5530	3470	3580	1670	6
7	1920	2250	5500	2440	2640	2360	1450	4420	5320	3440	3590	1660	7
8	1910	2290	5410	2440	2730	2340	1450	4420	5000	3270	3560	1670	8
9	1840	2270	5380	2450	2620	2330	1450	4460	4990	2950	3520	1680	9
10	1660	2280	5420	2440	2570	2330	1430	4470	4990	2920	3060	1660	10
11	1540	2300	5380	2450	2580	2260	1450	4470	4980	2910	3010	1640	11
12	1510	2250	5370	2440	2240	2080	1440	4400	4590	3160	3050	1650	12
13	1500	2300	5270	2420	2010	1850	1940	4210	4530	3710	3040	1670	13
14	1470	2250	5280	2420	1780	1650	2240	3870	4520	3760	3030	1650	14
15	1460	2230	5320	2440	1570	1530	2480	3580*	4500	3830	3050	1640	15
16	1510	2250	5280	2440	1880	1480	2790	2830	4540	4040	3070	1620	16
17	1500	2260	5280	2360	2410	1460	2760	2730	4780	4060	3090	1670	17
18	1490	2290	5280	2130	2500	1450	2750	2740	5090	4520	3030	1690	18
19	1500	2280	5280	1920	2740	1480	2760	3380	5070	4650	3060	1670	19
20	1490	2310	5290	1710	3930	1480	2800	3790	5070	4640	2620	1650	20
21	1480	2300	5310	1580	4610*	1460	2780	3800	5090	4640	2550*	1620	21
22	1490	2300	5320	1580	4630	1460	2790	3830	5050	4490	2550	1610	22
23	1500	2290	5280	1580	4550	1460	2340	4040	4990	4160	2550	1620	23
24	1500	2350	5350	1580	4510	1470	2230	4630	4540	4150	2550	1670	24
25	1500	2300	5380	1580	4500	1450	2190	4890	3990	4130	2530	1710	25
26	1520	2290	5320	1600	4450	1520	2210	4890	3960	4110	2510	2130	26
27	1490	2370	4470	1580	3660	1490	2650	4890	3950	4100	2520	2470	27
28	1500	2380	3700	1580	2700	1480	3170	5130	3960	4040	2500	2510	28
29	1510	2310	3620	1580		1480	3500	5480	3930	4080	2520	2530	29
30	1510	2320	3600	1970		1500	3870	5510	3950	4060	2490	2530	30
31	1500		3590	2060*		1490		5530		4040	2280		31
MONTHLY MEAN	1670	2227	4955	2255	2971	1819	2193	4288	4813	3904	3026	1826	
MAX	2370	2380	5500	3590	4630	2420	3870	5530	5530	4650	4040	2530	
MIN	1460	1680	2950	1580	1570	1450	1430	2730	3930	2910	2280	1610	
ACFT	102700	132500	304700	138700	165000	111900	130500	263700	286400	240100	186100	108700	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
2998	May 30	1745	5620	77.20	October 17	1115	1350	74.88	2171000

REMARKS:

Station is located 2.7 miles east of Gridley on Oroville-Gridley Highway. Gage is located on the right bank upstram from highway bridge.

Period of record for discharge is 1944 to date. Gage heights only were published prior to 1944.

Prior to 1963, flows were tabulated excluding the left bank overflow. Flows have been regulated by Oroville dam releases since 1967.

The datum for this station from 1944 to present is -2.90, NGVD.

FOR PERIOD OF RECORD BEGINNING 1929:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	151000	102.25	December 23, 1955	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A81845 SCOTTS CREEK AT EICKHOFF ROAD NEAR LAKEPORT

LOCATION: LAT 39-05-44, LONG 122-57-38, T14N, R10W, SEC. 03, MD B&M LAKE COUNTY

DRAINAGE AREA: 55.2 SQ MILES HYDROLOGIC AREA: A-04.D4

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1		0.0	87	25	11	16	109	9.5	0.6				1
2		0.0	122	23	11	16	90	9.1	0.6				2
3		0.0	176	22*	11	15	76*	8.6	0.6				3
4		0.0	113	21	9.9	16	65	7.7	0.6*				4
5		0.0	108	20	9.7*	19	55	7.5	0.5				5
6		0.0	82*	20	9.7	28*	47	5.9	0.4				6
7		0.0	66	25	50	52	42	5.7	0.4				7
8	N	0.0	54	26	930E	68	38	5.8*	0.3	N	N	N	8
9		0.0*	45	25	249	79	34	5.3	0.2				9
10	O	7.9	106	27	142	326	31	4.8	0.2	O	O	O	10
11		116	132	24	103	261	29	4.3	0.2				11
12		200	98	22	84	149	26	4.1	0.2				12
13		590E	79	21	68	108	24	4.4	0.1				13
14		91	65	19	56	86	23	4.2	0.1				14
15		86	69	19	47	69	21	4.4	0.1				15
16	F	483	62	17	42	57	21	3.9	0.0	F	F	F	16
17		147	50	16	37	49	20	3.2	0.0				17
18	L	135	45	15	33	45	19	2.9	0.1	L	L	L	18
19		76	41	15	30	39	17	2.6	0.1				19
20	O	58	36	15	28	34	17	2.4	0.1	O	O	O	20
21	W	42	31	14	26	30	21	2.3	0.0	W	W	W	21
22		29	29	14	24	28	18	2.4	0.0				22
23		24	27	13	22	26	15	1.7	0.0				23
24		102	26	12	20	33	12	1.2	0.0				24
25		68	24	13	20	28	12	0.8	0.0				25
26		47	31	14	19	256	11	0.8	0.0				26
27		381	42	12	18	491	12	0.7	0.0				27
28		440	32	12	17	446	11	0.8	0.0				28
29		200	27	12		260	10	0.8	0.0				29
30		122	27	11		179	10	0.8	0.0				30
31			27	11		136		0.8					31
MONTHLY													
MEAN	0.0	115	63.2	17.9	76.0	111	31.2	3.9	0.2	0.0	0.0	0.0	
MAX	0.0	590E	176	27	930E	491	109	9.5	0.6	0.0	0.0	0.0	
MIN	0.0	0.0	24	11	9.7	15	10	0.7	0.0	0.0	0.0	0.0	
ACFT	0.0	6833	3886	1101	4219	6833	1857	237	11	0.0	0.0	0.0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
34.5	February 8	0700	1610E	07.15	October 1	0015	0.0	0.11	24977

REMARKS:

Station located 200 feet upstream of Eickhoff Road bridge, 4.2 miles northwest of Lakeport. Tributary to Clear Lake via Middle Creek.

Flow affected by upstream diversion.

Prior to October 1968 gage was located 3.0 miles upstream from present location as station A81850. From October 1968 to September 1983, station was located at Eickhoff Road bridge. Station moved to present location September 1983.

Period of record for discharge is March 1968 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1968 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1968:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	11100	13.38	January 16, 1974	0830
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A81810 MIDDLE CREEK NEAR UPPER LAKE

LOCATION: LAT 39-11-00, LONG 122-54-36, T15N, R10W, SEC. 01, MD B&M LAKE COUNTY

DRAINAGE AREA: 47.1 SQ MILES HYDROLOGIC AREA: A-04.D5

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1		0.0	100	23	7.0	1.4	185	12					1
2		0.0	101	20	9.3	0.8	150	9.1					2
3		0.0	118	18	8.5	0.3	123	7.5					3
4		0.0	93	20*	7.2	0.1	105*	7.5					4
5		0.0	91	22	8.5	4.3	90	7.2					5
6		0.0	75	21	8.7*	13	79	6.9					6
7		0.0	65	26	90	39*	70	5.6					7
8	N	0.0*	58	26	724	39	63	7.0*	N	N	N	N	8
9		0.0	53	23	232	41	58	8.9					9
10	O	0.0	82	22	141	172	53	7.5	O	O	O	O	10
11		44	86	19	108	136	49	7.3					11
12		182	72	19	94	93	45	6.8					12
13		357	63	16	81	77	42	5.8					13
14		105	58	15	68	64	39	4.9					14
15		75	67	12	60	56	37	3.4					15
16	F	175	64	10	54	52	36	1.9	F	F	F	F	16
17		102	57	12	49	47	34	0.6					17
18	L	120	53	16	44	45	33	0.0	L	L	L	L	18
19		76	48	15	41	41	30	0.0					19
20	O	62	44	14	38	37	30	0.0	O	O	O	O	20
21	W	52	42	13	34	35	32	0.0	W	W	W	W	21
22		41	39	12	32	34	28	0.0					22
23		38	38	12	30	33	22	0.0					23
24		203	36	11	28	40	19	0.0					24
25		103	34	10	23	34	19	0.0					25
26		70	38	9.6	8.0	116	18	0.0					26
27		239	37	9.5	4.2	258	18	0.0					27
28		337	33	10	2.8	234	16	0.0					28
29		185	31	9.9		208	14	0.0					29
30		126	25	8.5		208	13	0.0					30
31			24	7.5		215		0.0					31
MONTHLY MEAN	0.0	89.7	58.9	15.5	72.7	76.6	51.7	3.5	0.0	0.0	0.0	0.0	
MAX	0.0	357	118	26	724	258	185	12	0.0	0.0	0.0	0.0	
MIN	0.0	0.0	24	7.5	2.8	0.1	13	0.0	0.0	0.0	0.0	0.0	
ACFT	0	5340	3620	956	4037	4709	3074	218	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
30.3	February 8	0530	1280	08.78	October 1	0015	0.0	05.10	21954

REMARKS:

Station located at Rancheria Road bridge, 1.3 miles north of Upper Lake. Tributary to Clear Lake.

Flow affected by upstream diversion.

Bottom control structure installed October 18, 1983.

Period of record for discharge is October 1948 to September 1953, March 1959 to September 1959, August 1962 to date. Period of record for gage height is October 1948 to date.

The datum for this station from 1959 to 1962 is 1353.60, USGS.
The datum for this station from 1962 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1959:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	6800E	14.75	December 22, 1964	1210
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A85701 KELSEY CREEK AT GLENBROOK

LOCATION: LAT 38-51-07, LONG 122-45-23, T12N, R08W, SEC. 33, MD B&M LAKE COUNTY

DRAINAGE AREA: 6.7 SQ MILES HYDROLOGIC AREA: A-04.D4

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	3.8	4.8	16	7.8	5.4	5.6	14	4.6	3.6	2.5	1.9*	1.6	1
2	3.8	11	33	7.5	5.2	5.5	13	4.5	3.8	2.4	1.8	1.8	2
3	3.8*	6.1	26	7.4*	5.1	5.5	12	4.5	3.6	2.3	1.7	1.9	3
4	3.7	5.2	19	7.3	5.0	5.6	11*	4.5	4.0	2.2	1.8	1.8	4
5	3.7	5.0	17*	7.1	4.9	6.0	9.9	4.3	3.3*	2.3	1.7	1.9*	5
6	3.8	7.5	15	7.0	5.0*	6.7	9.6	4.3	3.1	2.1	1.8	1.8	6
7	3.9	6.8	13	13	36	7.7*	9.2	4.3	3.1	2.3	1.7	2.5	7
8	3.9	8.9*	12	9.5	132	9.2	8.8	4.2*	3.0	2.4*	1.6	3.3	8
9	3.8	6.2	12	9.3	31	11	8.5	4.3	2.9	2.2	1.5	3.4	9
10	7.3	11	34	8.7	20	67	7.8	4.4	2.8	2.2	1.6	2.7	10
11	5.6	20	20	8.1	16	27	7.4	4.4	2.7	2.2	1.6	2.6	11
12	4.2	70	16	7.8	14	19	7.2	4.2	2.7	2.2	1.6	2.5	12
13	4.1	71	14	7.5	12	15	6.9	4.0	2.6	2.1	1.7	2.5	13
14	4.1	17	12	7.2	10	13	6.7	3.9	2.7	2.0	1.4	2.5	14
15	4.0	28	14	7.0	9.7	12	6.6	3.9	2.7	2.0	1.5	2.4	15
16	6.4	45	12	6.6	9.1	11	6.5	3.8	2.6	2.0	1.6	2.3	16
17	5.0	19	11	6.4	8.4	10	6.4	3.9	2.6	2.0	1.6	2.3	17
18	4.6	17	11	6.3	8.0	9.6	6.3	3.9	2.6	1.9	1.8	2.4	18
19	4.8	12	10	6.2	7.6	9.0	6.0	3.7	2.5	1.9	1.7	2.5	19
20	4.5	12	9.6	6.1	7.3	8.5	6.1	3.5	2.6	2.1	1.7	2.3	20
21	4.4	10	9.1	6.0	6.9	8.2	6.5	3.5	2.5	2.2	1.6	2.3	21
22	4.3	9.3	8.7	5.9	6.6	8.0	6.0	3.5	2.5	2.1	1.6	2.2	22
23	4.2	9.1	8.5	5.8	6.4	7.7	5.7	3.5	2.6	2.0	1.6	2.2	23
24	4.2	22	8.3	5.7	6.2	8.3	5.4	3.4	2.6	1.9	1.5	2.2	24
25	4.2	12	8.2	5.6	6.1	7.6	5.3	3.3	2.4	1.8	1.5	2.3	25
26	4.3	11	9.8	5.6	5.9	48	5.4	3.5	2.4	1.9	1.5	2.5	26
27	4.5	129	9.8	5.5	5.7	43	5.1	3.8	2.4	1.9	1.5	2.5	27
28	4.8	55	9.1	5.5	5.6	29	5.2	3.9	2.4	1.8	1.6	2.5	28
29	5.1	27	8.5	5.5		20	5.1	3.9	2.4	2.0	1.5	2.6	29
30	5.0	19	8.3	5.5		17	4.9	3.8	2.4	2.0	1.6	2.5	30
31	4.8		8.2	5.4		15		3.6		2.0	1.5		31
MONTHLY													
MEAN	4.5	22.9	13.6	7.0	14.3	15.3	7.5	4.0	2.8	2.1	1.6	2.4	
MAX	7.3	129	34	13	132	67	14	4.6	4.0	2.5	1.9	3.4	
MIN	3.7	4.8	8.2	5.4	4.9	5.5	4.9	3.3	2.4	1.8	1.4	1.6	
ACFT	275	1362	839	428	795	944	445	244	167	129	100	140	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
8.1	November 27	1245	442	08.36	August 09	2015	1.1	4.83	5869

REMARKS:

Station located approximately 300 feet upstream from Bottle Rock Road crossing, 3.0 miles northwest of Cobb. Tributary to Clear Lake.

Period of record for discharge is December 1980 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1981 to present is 2290.00, USCGS.

FOR PERIOD OF RECORD BEGINNING 1980:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	1690	10.82	January 26, 1983	1800
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A85710 ALDER CREEK AT GLENBROOK

LOCATION: LAT 38-51-06, LONG 122-45-24, T12N, R08W, SEC. 33, MD B&M LAKE COUNTY

DRAINAGE AREA: 3.0 SQ MILES HYDROLOGIC AREA: A-04.D4

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	1.1	.5	8.9	2.9	1.9	3.1	8.0	2.4	1.4	.6	.8	.5	1
2	1.1	3.9	11	2.8	2.1	3.0	7.4	2.4	1.4	.6	.6*	.6	2
3	1.1*	1.1	12	2.7*	2.0	3.0	6.8	2.3	1.3	.7	.5	.6	3
4	1.1	.6	9.7	2.5	1.9	3.2	6.5*	2.3	1.3	.6	.4	.5	4
5	1.0	.6	8.9*	2.5	1.9	3.3	6.1	2.2	1.3*	.6	.4	.6	5
6	1.0	1.8	7.7	2.4	1.9*	3.6	5.8	2.2	1.2	.6	.5	.7*	6
7	1.0	1.1	6.9	4.0	11	4.0*	5.5	2.1	1.2	.6	.5	1.4	7
8	.9	2.4*	6.2	3.4	56	4.5	5.3	2.1*	1.1	.5*	.5	2.3	8
9	.9	1.0	5.8	3.4	18	5.5	5.0	2.2	1.0	.5	.5	2.0	9
10	2.2	2.9	13	3.2	12	29	4.8	2.2	.9	.6	.5	1.3	10
11	1.5	8.2	11	3.1	9.0	19	4.6	2.1	1.0	.7	.4	1.0	11
12	.9	29	9.0	2.9	7.6	13	4.4	2.1	.9	.6	.5	1.0	12
13	.8	30	7.4	2.8	6.7	11	4.2	2.0	.9	.6	.6	1.0	13
14	.8	7.6	6.6	2.6	5.9	9.1	4.1	2.0	.8	.5	.5	.9	14
15	.8	8.4	6.8	2.5	5.4	7.8	4.0	1.9	.8	.5	.6	.9	15
16	2.3	16	6.1	2.5	5.1	6.9	3.9	2.0	.8	.5	.6	.9	16
17	1.1	8.8	5.4	2.4	4.8	6.2	3.9	2.0	.8	.5	.6	.9	17
18	.8	7.4	5.1	2.4	4.6	5.8	3.6	1.9	.8	.5	.7	.9	18
19	.9	5.3	4.7	2.3	4.4	5.3	3.5	1.7	.7	.5	.6	.8	19
20	.8	4.7	4.4	2.2	4.2	5.1	3.5	1.7	.7	.7	.6	.8	20
21	.6	3.8	4.1	2.2	4.0	4.8	3.4	1.7	.7	.7	.5	.8	21
22	.6	3.3	3.8	2.1	3.8	4.6	3.1	1.6	.8	.5	.5	.7	22
23	.5	3.2	3.6	2.1	3.6	4.4	3.1	1.5	.7	.5	.5	.7	23
24	.5	7.7	3.5	2.1	3.5	4.7	2.9	1.5	.7	.4	.4	.7	24
25	.6	5.0	3.3	2.1	3.5	4.2	2.9	1.5	.7	.4	.4	.7	25
26	.6	4.1	4.2	2.1	3.3	16	2.8	1.5	.7	.5	.4	.8	26
27	.6	43	3.9	2.1	3.3	21	2.7	1.5	.6	.5	.5	.9	27
28	.8	31	3.6	2.1	3.2	18	2.6	1.6	.6	.4	.5	.9	28
29	.7	15	3.4	1.9		13	2.6	1.6	.7	.6	.5	.8	29
30	.6	11	3.3	1.9		11	2.5	1.4	.6	.7	.5	.9	30
31	.6		3.2	1.9		9.1		1.4		.8	.5		31
MONTHLY													
MEAN	.9	8.9	6.3	2.5	7.0	8.5	4.3	1.9	.9	.6	.5	.9	
MAX	2.3	43	13	4.0	56	29	8.0	2.4	1.4	.8	.8	2.3	
MIN	.5	.5	3.2	1.9	1.9	3.0	2.5	1.4	.6	.4	.4	.5	
ACFT	57	532	390	155	386	520	257	116	54	35	32	55	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
3.6	November 27	1315	121	3.88	July 08	2045	0.0	1.63	2589

REMARKS:

Station located 200 feet upstream from confluence with Kelsey Creek, 3.1 miles northwest of Cobb. Tributary to Clear Lake via Kelsey Creek.

Station installed October 1980. Period of record for discharge is October 1982 to date. Period of record for gage height is same as discharge.

FOR PERIOD OF RECORD BEGINNING 1983:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	344	5.73	January 26, 1983	1715
AVERAGE/YEAR	Not Available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A85005 KELSEY CREEK BELOW KELSEYVILLE

LOCATION: LAT 39-00-34, LONG 122-50-14, T13N, R09W, SEC. 03, MD B&M LAKE COUNTY

DRAINAGE AREA: 44.3 SQ MILES HYDROLOGIC AREA: A-04.D4

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	0.0	60	23	13	18	73	11	0.0	0.0	0.0*	0.0	1
2	0.0	0.0	63	23*	13	18	65	11	0.0	0.0	0.0	0.0	2
3	0.0	9.9	88	22	13	18	59*	10	0.0	0.0	0.0	0.0	3
4	0.0	1.2	60*	21	12	18	53	10	0.0*	0.0	0.0	0.0	4
5	0.0	0.0	56	21	12*	22	48	10	0.0	0.0	0.0	0.0*	5
6	0.0	0.1	48	20	12	29*	44	8.8	0.0	0.0	0.0	0.0	6
7	0.0	2.8*	42	28	36	43	41	8.3*	0.0	0.0	0.0	0.0	7
8	0.0	8.8	39	30	1240	44	38	8.1	0.0	0.0	0.0	0.0	8
9	0.0	8.5	36	25	170	58	36	7.4	0.0	0.0*	0.0	0.0	9
10	0.0	9.9	85	25	90	427	34	7.2	0.0	0.0	0.0	0.0	10
11	0.0	65	93	23	63	212	31	7.1	0.0	0.0	0.0	0.0	11
12	0.0	172	62	22	51	113	30	6.3	0.0	0.0	0.0	0.0	12
13	0.0	495	51	21	43	85	28	5.6	0.0	0.0	0.0	0.0	13
14	0.0	74	45	20	37	69	27	4.9	0.0	0.0	0.0	0.0	14
15	0.0	55	45	20	33	58	25	4.3	0.0	0.0	0.0	0.0	15
16	0.0	121	43	19	31	50	25	3.7	0.1	0.0	0.0	0.0	16
17	0.0	65	37	18	28	44	24	3.7	0.0	0.0	0.0	0.0	17
18	0.0	68	35	18	26	41	23	3.1	0.0	0.0	0.0	0.0	18
19	0.0	45	33	18	25	37	21	1.9	0.0	0.0	0.0	0.0	19
20	0.0	41	31	17	23	34	21	0.8	0.0	0.0	0.0	0.0	20
21	0.0	37	29	17	22	31	22	0.2	0.0	0.0	0.0	0.0	21
22	0.0	31	27	16	21	30	20	0.0	0.0	0.0	0.0	0.0	22
23	0.0	29	26	16	20	28	18	0.0	0.0	0.0	0.0	0.0	23
24	0.0	64	25	16	20	31	17	0.0	0.0	0.0	0.0	0.0	24
25	0.0	47	25	15	19	28	16	0.0	0.0	0.0	0.0	0.0	25
26	0.0	38	33	15	19	254	15	0.0	0.0	0.0	0.0	0.0	26
27	0.0	499	35	14	19	272	15	0.0	0.0	0.0	0.0	0.0	27
28	0.0	327	30	14	18	203	14	0.0	0.0	0.0	0.0	0.0	28
29	0.0	113	27	14		128	13	0.0	0.0	0.0	0.0	0.0	29
30	0.0	76	25	13		99	12	0.0	0.0	0.0	0.0	0.0	30
31	0.0		25	13		83		0.0		0.0	0.0		31
MONTHLY													
MEAN	0.0	83.4	43.8	19.3	76.0	84.7	30.3	4.3	0.0	0.0	0.0	0.0	
MAX	0.0	499	93	30	1240	427	73	11	0.1	0.0	0.0	0.0	
MIN	0.0	0.0	25	13	12	18	12	0.0	0.0	0.0	0.0	0.0	
ACFT	0	4965	2696	1184	4223	5207	1801	265	0	0	0	0	

MEAN	INSTANTANEOUS MAXIMUM FLOW, 1984-85				INSTANTANEOUS MINIMUM FLOW, 1984-85				TOTAL
FLOW	DATE	TIME	FLOW	G.H.	DATE	TIME	FLOW	G.H.	ACRE FEET
28.1	February 08	0630	3180	40.42	October 01	0015	0.0	26.71	20341

REMARKS:

Station located approximately 500 feet upstream of Soda Bay Road bridge, 3.5 miles north of Kelseyville. Tributary to Clear Lake.

Period of record for discharge is November 1980 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1981 to present is 1300.0, USCGS.

FOR PERIOD OF RECORD BEGINNING 1980:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	9280	48.94	January 26, 1983	1715
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A85610 HIGH VALLEY CREEK ABOVE KELSEY CREEK

LOCATION: LAT 38-52-07, LONG 122-47-36, T12N, R08W, SEC. 19, MD B&M LAKE COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-04.04

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.5	1.1	9.1	3.2	NR	2.6	10	2.2	1.3	0.5	0.4*	0.3	1
2	0.4	4.1	10	3.0	NR	2.6	8.8	2.2	1.3	0.5	0.4	0.3	2
3	0.4*	1.3	9.1	2.8*	NR	2.5	7.8	2.1	1.2	0.5	0.4	0.3	3
4	0.5	0.9	7.3	2.7	NR	2.6	7.0*	2.1	1.2	0.5	0.3	0.3	4
5	0.5	0.8	6.9*	2.6	NR	3.0	6.3	2.0	1.1*	0.5	0.3	0.3	5
6	0.5	1.5	5.7	NR	1.7*	3.6	5.8	1.9	1.1	0.4	0.3	0.3*	6
7	0.5	1.3	5.1	NR	21	4.2	5.4	1.9	1.0	0.4	0.3	0.5	7
8	0.5	3.0*	4.6	NR	146 E	5.8	5.0	1.8*	1.0	0.4	0.3	1.0	8
9	0.5	1.8	4.4	NR	33	9.0	4.7	1.8	1.0	0.4	0.4	0.8	9
10	1.1	5.1	18	NR	18	70	4.4	1.8	0.9	0.4	0.3	0.5	10
11	0.8	14	16	NR	12	40	4.2	1.7	0.9	0.4	0.3	0.4	11
12	0.6	52	12	NR	9.3	23	3.9	1.7	0.8	0.4	0.3	0.5	12
13	0.6	64 E	8.8	NR	7.7	16	3.7	1.7	0.8	0.4	0.3	0.5	13
14	0.6	12	7.4	NR	6.5	12	3.6	1.6	0.8	0.4	0.3	0.5	14
15	0.6	9.5	8.1	NR	5.7	9.8	3.5	1.5	0.8	0.4	0.3	0.5	15
16	1.7	20	6.5	NR	5.2	8.1	3.4	1.6	0.8	0.4	0.3	0.5	16
17	1.0	11	5.7	NR	4.7	7.0	3.4	1.6	0.7	0.4	0.3	0.5	17
18	0.8	10	5.4	NR	4.3	6.2	3.2	1.6	0.7	0.4	0.4	0.5	18
19	0.8	6.4	4.9	NR	4.0	5.4	3.1	1.5	0.7	0.4	0.4	0.5	19
20	0.8	6.4	4.3	NR	3.8	5.0	3.1	1.4	0.7	0.4	0.4	0.5	20
21	0.7	4.8	3.9	NR	3.5	4.6	3.2	1.3	0.7	0.5	0.3	0.5	21
22	0.7	3.9	3.6	NR	3.2	4.2	3.0	1.3	0.6	0.4	0.3	0.4	22
23	0.7	3.7	3.5	NR	3.1	4.0	2.8	1.4	0.6	0.4	0.3	0.4	23
24	0.7	11	3.3	NR	3.0	4.5	2.6	1.4	0.6	0.3	0.3	0.4	24
25	0.7	6.5	3.3	NR	2.9	3.9	2.6	1.4	0.6	0.3	0.3	0.5	25
26	0.8	5.0	4.6	NR	2.9	37	2.6	1.3	0.6	0.3	0.3	0.5	26
27	0.8	84 E	4.4	NR	2.8	47	2.5	1.3	0.6	0.3	0.3	0.5	27
28	0.9	55	3.9	NR	2.6	38	2.4	1.4	0.6	0.3	0.3	0.6	28
29	1.0	21	3.5	NR		23	2.3	1.4	0.5	0.4	0.3	0.5	29
30	1.0	13	3.5	NR		16	2.3	1.3	0.5	0.4	0.3	0.6	30
31	1.1		3.4	NR		13		1.3		0.4	0.2		31
MONTHLY													
MEAN	0.7	14.5	6.5	NR	NR	14.0	4.2	1.6	0.8	0.4	0.3	0.5	
MAX	1.7	84 E	18	NR	NR	70	10	2.2	1.3	0.5	0.4	1.0	
MIN	0.4	0.8	3.3	NR	NR	2.5	2.3	1.3	0.5	0.3	0.2	0.3	
ACFT	45	861	397	NR	NR	860	251	100	49	25	20	29	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR		NR			SEPTEMBER 6	0915	0.0	17.00	NR

REMARKS:

Station located approximately 300 feet upstream from confluence with Kelsey Creek, 6.0 miles northwest of Cobb. Tributary to Kelsey Creek.

Period of record for discharge is November 1980 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1981 to present is 2000.00, USCGS.

FOR PERIOD OF RECORD BEGINNING 1980:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	1820	22.61	January 26, 1983	1700
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A81250 BEAR CREEK NEAR RUMSEY

LOCATION: LAT 38-56-43, LONG 122-20-43, T13N, R04W, SEC. 30, MD B&M COLUSA COUNTY

DRAINAGE AREA: 99.9 SQ MILES HYDROLOGIC AREA: A-04.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	1.3	2.3	23	14	8.6	13	32	7.3	4.4	1.1	0.9*	0.8	1
2	1.4*	2.3	21	14*	8.4	13	27	7.3	4.4	1.1	1.0	0.8	2
3	1.5	2.7	165	14	7.9	12	25*	6.9	4.4	1.1	0.9	0.9	3
4	1.6	3.1	66*	13	7.8	12	22	7.1	4.3*	1.0	0.8	1.0	4
5	1.7	2.5	42	13	7.3*	14	19	7.2	3.9	0.9	0.7	1.0*	5
6	1.7	2.9*	33	13	7.2	23*	18	6.9	3.5	0.9	0.7	1.0	6
7	1.7	3.2	23	21	10	31	17	6.7*	3.3	0.8	0.7	1.0	7
8	1.7	6.2	19	28	945	20	16	6.5	3.2	0.8	0.6	1.5	8
9	1.7	5.9	16	18	168	16	15	6.3	3.2	0.7	0.6	1.8	9
10	2.0	4.2	135	16	83	65	15	6.3	2.8	0.7	0.6	2.1	10
11	3.2	11	87	14	53	130	14	6.7	2.3	0.8	0.6	1.8	11
12	2.8	10	43	13	41	54	14	7.2	2.0	1.0	0.6	1.3	12
13	2.1	149	29	13	34	31	13	6.7	1.9	1.1	0.5	1.3	13
14	1.9	66	23	13	29	23	13	6.2	1.8	1.0	0.5	1.2	14
15	1.8	16	23	12	25	19	12	5.7	1.8	0.9E	0.5	1.3	15
16	2.7	103	22	12	24	17	12	5.5	1.8	0.9E	0.6	1.2	16
17	4.4	93	18	11	22	15	12	5.4	1.6	0.9E	0.6	1.2	17
18	3.4	38	17	11	20	18	12	5.4	1.5	0.9E	0.8	1.1	18
19	2.8	18	17	11	18	19	12	5.4	1.4	0.9E	0.9	1.1	19
20	2.6	12	16	11	17	15	11	5.1	1.4	0.9E	1.0	1.0	20
21	2.4	12	15	10	16	14	12	5.0	1.4	0.9E	0.9	1.0	21
22	2.3	7.4	14	10	15	13	13	4.7	1.3	0.9E	0.9	1.0	22
23	2.1	5.7	14	9.8	15	13	12	4.5	1.3	0.9E	0.8	1.0	23
24	2.0	24	15	9.5	14	13	11	4.3	1.3	0.9E	0.8	1.0	24
25	1.8	38	14	9.2	14	13	9.9	4.3	1.1	0.9E	0.8	1.0	25
26	1.9	13	17	9.1	14	58	8.1	4.3	1.1	0.9E	0.8	1.0	26
27	1.9	261	23	9.0	14	232	7.3	4.3	1.1	0.9E	0.7	1.0	27
28	1.9	328	19	8.9	13	198	6.8	4.5	1.2	0.9E	0.7	1.0	28
29	2.2	93	16	8.8		90	6.7	4.8	1.2	0.9E	0.6	1.1	29
30	2.4	41	15	8.4		53	7.1	4.7	1.0	0.9E	0.6	1.1	30
31	2.4		15	8.0		40		4.6		0.9E	0.8		31
MONTHLY													
MEAN	2.2	45.8	32.7	12.4	59.2	41.8	14.2	5.7	2.2	0.9E	0.7	1.2	
MAX	4.4	328	165	28	945	232	32	7.3	4.4	1.1	1.0	2.1	
MIN	1.3	2.3	14	8.0	7.2	12	6.7	4.3	1.0	0.7	0.5	0.8	
ACFT	133	2726	2013	765	3275	2573	843	353	133	56E	45	69	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
17.9	February 08	0700	2340	6.20	August 13	0615	0.5	0.36	12984

REMARKS:

Station located 7.3 miles northwest of Rumsey, 1.4 miles above mouth.
Tributary to Cache Creek.

Station was destroyed on January 26, 1983 and was re-established on September 30, 1983.

Period of record for discharge is September 1955 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1955 to present is 0.0, local.

FOR PERIOD OF RECORD BEGINNING 1955:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	9780E	11.44	January 23, 1963	2245
AVERAGE/YEAR	Not Available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A81135 CACHE CREEK AT RUMSEY

LOCATION: LAT 38-53-25, LONG 122-14-13, T12N, R03W, SEC. 18, MD B&M YOLO COUNTY

DRAINAGE AREA: 964.0 SQ MILES HYDROLOGIC AREA: A-02.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	121	20	273	180	56	68	215	692	579	814	526	279	1
2	109	20	261	103	59	65	199	875	555	802	515	286	2
3	108	22	451	61	60	65	172	837	578	802	501	287	3
4	95	26	337	58	59	63	131	841	577	792	490	280	4
5	59	23	291	57	58	67	164	855	599	810	486	305	5
6	60	25	278	56	57	102	201	774	708	821	485	300	6
7	61	27*	343	70	73	155	194	788	697	811	489	298	7
8	60	44	251	109	2040*	120	187	754	639	794	526	296	8
9	58	60	237	89	564	100	266*	712	658	811	499	296	9
10	60	38	380	83	321	182	375	701	696	829	477	268	10
11	73	130	349	70	251	368	472	657	685	821	450	245	11
12	37	155	290	62	219	231	543	590	831	807	457	262	12
13	30	439	267	61	198	185*	565	571	823	799	477*	244	13
14	30	266	252	63	181	150	581	563	885	791	459	324	14
15	30	162	250	60	158	124	576	556	896	787	434	330	15
16	23	340	253	58*	143	107	556	573	862	762	416	333	16
17	27	279	242	56	132	96	534	624	831	740#	398	307	17
18	25	193	216	55	119	97	530	625	783	738	386	239	18
19	23	134	207	55	109	90	523	618	784	729	381	218	19
20	23	98	201	56	100	80	527	594	798	714	363	221	20
21	21	85	200	57	92	72	562	597	814	695	377	214	21
22	21	64	190	56	86	67	572	623	853	682	375	140	22
23	21*	53	190	55	80	63	561	639	836	656	375	89	23
24	19*	119	189	55	77	101	567	647	811	618	355	78	24
25	16	220	188	55	74	148	577	625	782	594	334	64	25
26	14	118	195	54	72	236	569	627	787	617	325	51	26
27	14	582	204	55	71	561	556	627	809	601	323	42	27
28	17	1030*	200	57	69	433	585	622	828	595	309	45	28
29	18	411	195	57		297	607	594	809	599	310	40	29
30	20	308	190	57		243	598	569	806	588	290	20	30
31	20		184	56		222		567		544	285		31
MONTHLY MEAN	42.4	183	250	67.0	199	160	442	662	753	728	415	213	
MAX	121	1030	451	180	2040	561	607	875	896	829	526	333	
MIN	14	20	184	54	56	63	131	556	555	544E	285	20	
ACFT	2604	10890	15380	4118	11060	9834	26310	40730	44820	44750	25530	12700	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
344	February 08	0930	4080	15.14	October 27	0015	12	10.65	248726

REMARKS:

Station is located on Downstream side of Arbuckle Road Bridge, 800 feet north of Rumsey.

Prior to 1976, station was operated as a high flow warning site. Cache Creek was previously measured at station A81200 (Cache Creek Above Rumsey).

Flows are regulated by Indian Creek Reservoir.

Period of record for discharge is December 1976 to date.

The datum for this station from 1976 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1945:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	74800E	27.88	January 26, 1983	NR
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A95010 POPE CREEK NEAR POPE VALLEY

LOCATION: LAT 38-37-48, LONG 122-19-52, T09N, R04W, SEC. 17, MD B&M NAPA COUNTY

DRAINAGE AREA: 78.3 SQ MILES HYDROLOGIC AREA: A-03.A4

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	0.0	51	NR	18	28	55						1
2	0.0	0.7	65	NR	18	28	48						2
3	0.0	0.9	233	NR	18	28	42						3
4	0.0	0.3	62	NR	18	28	NR						4
5	0.0	0.1	48	NR	17	28	NR						5
6	0.0	1.5*	43*	NR	17	29	NR						6
7	0.0	3.4	47	NR	144	67	NR						7
8	0.0	11	43	NR	3140	57	NR	N	N	N	N	N	8
9	0.0	12	40	NR	464	40	NR						9
10	1.6	13	98	NR	159	68	NR	O	O	O	O	O	10
11	4.2	102	57	27	90	NR	NR						11
12	0.5	113	45	20	72	NR	NR						12
13	0.2	414	47	21	62	NR	NR						13
14	0.1	38	42	29	54	NR	NR						14
15	0.0	57	43	28	* 48	NR	NR	R	R	R	R	R	15
16	5.3	507	48	26	44	NR	NR	E	E	E	E	E	16
17	2.2*	79	40	24	40	NR	NR						17
18	0.4	72	37	24	36	NR	NR	C	C	C	C	C	18
19	0.2	42	35	22	33	NR	NR						19
20	0.2	33	32	22	31	NR	NR	O	O	O	O	O	20
21	0.1	29	30	21	29	NR	NR	R	R	R	R	R	21
22	0.1	23	28	20	29	NR	NR						22
23	0.1	20	27	20	29	NR	NR	D	D	D	D	D	23
24	0.0	192	26	20	29	NR	NR						24
25	0.0	61	25	19	29	NR	NR						25
26	0.0	40	29	19	29	NR	NR						26
27	0.0	568	NR	19	29	725	NR						27
28	0.0	650	NR	19	28	454	NR						28
29	0.1	117	NR	19		159	NR						29
30	0.1	58	NR	18		91	NR						30
31	0.0		NR	18		65							31
MONTHLY													
MEAN	.5	109	NR	NR	170	NR	NR	NR	NR	NR	NR	NR	
MAX	5.3	650	NR	NR	3140	NR	NR	NR	NR	NR	NR	NR	
MIN	0.0	0.0	NR	NR	17	NR	NR	NR	NR	NR	NR	NR	
ACFT	31	6462	NR	NR		NR	NR	NR	NR	NR	NR	NR	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	NR				October 1	0015	0.0	2.04	NR

REMARKS:

Station is located on left bank of Pope Creek, 0.2 miles upstream from Lake Berryessa, 5.2 miles east of Pope Valley.

Tributary to Lake Berryessa. Maximum discharge recorded on January 31, 1963 was estimated by extending rating curve above 7700 cfs.

Station discontinued on 04/04/85.

Period of record for discharge is December 1960 to April 1985.

The datum for this station from 1960 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1960:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	18000E	19.79	January 31, 1963	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A02903 SACRAMENTO WEIR SPILL TO YOLO BYPASS

LOCATION: LAT 38-36-25, LONG 121-33-15, T09N, R04E, SEC. 28, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-02.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8	N	N	N	N	N	N	N	N	N	N	N	N	8
9													9
10	O	O	O	O	O	O	O	O	O	O	O	O	10
11													11
12													12
13													13
14													14
15													15
16	F	F	F	F	F	F	F	F	F	F	F	F	16
17													17
18	L	L	L	L	L	L	L	L	L	L	L	L	18
19													19
20	O	O	O	O	O	O	O	O	O	O	O	O	20
21	W	W	W	W	W	W	W	W	W	W	W	W	21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31
MONTHLY MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAX	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ACFT	0	0	0	0	0	0	0	0	0	0	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
0.0	October 01	0015	0.0	NR	October 01	0015	0.0	NR	0

REMARKS:

Station located 0.5 mile north of Bryte along Highway 16 (River Road). Sacramento Weir diverts flood waters from the Sacramento River in a westerly direction to the Yolo Bypass.

The Sacramento Weir is a fixed weir with 48 removable gates which are used to control Sacramento River flows by diverting floodwaters to Yolo Bypass. Flows computed using Sacramento River above Sacramento Weir gage.

Period of record for discharge is 1926 to date.

The datum for this station is not relevant.

FOR PERIOD OF RECORD BEGINNING 1926:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	118000E	32.80	March 26, 1928	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A00041 DRY CREEK BELOW ROSEVILLE

LOCATION: LAT 38-44-03, LONG 121-17-57, T10N, R06E, SEC. 10, MD B&M PLACER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-05.B1

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	57	36	87	49	48	49	71	29	35	19	29	26	1
2	57	41	97	46	92	88	67	26	61	18	28	26	2
3	46	42	176	46	69	63	57	26	62	17	26	30	3
4	35	37	105	49	57	69	52	26	46	14	24	31	4
5	36	30	90	53	48	92	47	25	32	15	20	30	5
6	35	96	83	55	45	213	48	24	24	14	17	30	6
7	25	88	75*	89	93	378	50	23	20	15	17	32	7
8	22	250	74	97	1040	145*	52	25	20	18	18	54	8
9	21*	98	69	127	NR	108	49	28	20	16	17	108	9
10	42	98	279	122*	NR	191	43	29	19	16	19	81	10
11	140	218	142	78	NR	243	49	34	20*	19	19	66	11
12	71	110	98	69	NR	128	48	34	16	22	16	57	12
13	46	361	85	68	NR	108	43	30	14	24	16	47	13
14	41	110	75	66*	NR	98	40	24	13	21	16*	40	14
15	39	67	108	59	89E*	90	38	24	13	19	16	36	15
16	88	83	152	53	81	81	36	23	12	19	18	29	16
17	110	83	95	49	77	75	45	24	11	20	22	25E*	17
18	77	128	85	55	74	79	60	32	11	19*	34	24E	18
19	73	85	79	55	73	74	55	24	13	18	41	23E	19
20	65	107	75	54	72	71	43	24	19	18	41	22E	20
21	54	187	70	54	64	69	49	20	19	23	24	21E	21
22	55	91	66	55	58	64	58	20	22	25	20	20E	22
23	54	72	67	54	54	63	47	20	24	24	21	19E	23
24	41	300	65	51	52	65	40	21	21	24	18	19E	24
25	38	149	62	50	52	72	37	22	20	21	18	18E	25
26	36	92	60	51	57	129	37	27	18	18	17	18E	26
27	42	167	59	55	53	219	32	32	18	20	15	19	27
28	59	396	58	54	52	135	28	34	17	18	15	27	28
29	69	144	55	64		100	27	46	16	21	19	31	29
30	52	101	50	58		86	27	43	16	24	24	36	30
31	43		50	48		76		33		26	28		31
MONTHLY MEAN	53.8	129	90.0	62.4	NR	114	45.8	27.5	22.4	19.5	21.7	34.8	
MAX	140	396	279	127	NR	378	71	46	62	26	41	108	
MIN	21	30	50	46	NR	49	27	20	11	14	15	18	
ACFT	3310	7670	5536	3834	NR	6984	2727	1690	1333	1200	1335	2073	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G. H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G. H.	TOTAL ACRE FEET
NR	No Record				August 15	0730	9.1	9.59	NR

REMARKS:

Station located on upstream side of Vernon Street bridge, above Southern Pacific Railroad tracks. Tributary to Sacramento River via back borrow pit of Reclamation District 1000.

Two previous stations have reported Dry Creek flows. Linda Creek near Roseville, A00040 (1949 to 1966), and Dry Creek at Roseville, A00047 (1966 to March 1984).

Reported maximum instantaneous historical flow may have been exceeded during periods of no record.

Period of record for discharge is
Period of record for gage height is

The datum for this station from 1949 to 1966 is 108.00, NGVD. From April 1966 to August 1984 is 0.00, local. From September 1984 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1949:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	4400	14.02E	October 13, 1962	NA
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A09115 SOUTH FORK PUTAH CREEK NEAR DAVIS

LOCATION: LAT 38-31-02, LONG 121-45-21, T08N, R02E, SEC. 28, MD B&M SOLANO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-02.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	19	19	27	43	52	51							1
2	19	20	28	44	51	32							2
3	21	21	34	45	49	30							3
4	20	22	30	45	49	30*							4
5	20	23	30*	46	48	NR							5
6	20	23	30	46	48	NR							6
7	19	23	30	52	50	NR							7
8	20	27	30	51	576	NR	N	N	N	N	N	N	8
9	20	23*	31	49	150	NR							9
10	21	24	41	52	36	NR	O	O	O	O	O	O	10
11	22	27	38	47	29	NR							11
12	22	27	37	46	28	NR							12
13	19	34	38	46	29	NR							13
14	19	26	36	48	35*	NR							14
15	19	27	37	48	31	NR	R	R	R	R	R	R	15
16	20	36	37	48	30	NR	E	E	E	E	E	E	16
17	23	31	37	48	30	NR							17
18	20	30	38	49	30	NR	C	C	C	C	C	C	18
19	20	31	42	48	30	NR							19
20	20	35	40	47	30	NR	O	O	O	O	O	O	20
21	19	34	39	48	30	NR	R	R	R	R	R	R	21
22	20	35	38	49	30	NR							22
23	21*	37	38	50	30	NR	D	D	D	D	D	D	23
24	18*	43	38	50	29	NR							24
25	17	40	39	50	30	NR							25
26	17	42	40	50	30	NR							26
27	17	49	41	50	31	NR							27
28	18	166	42	51	79	NR							28
29	18	51	42	53		NR							29
30	19	28	42	52		NR							30
31	19		42	52		NR							31
MMONTHLY													
MEAN	19.5	35.1	36.5	48.5	60.7	NR	NR	NR	NR	NR	NR	NR	
MAX	23	166	42	53	576	NR	NR	NR	NR	NR	NR	NR	
MIN	17	19	27	43	28	NR	NR	NR	NR	NR	NR	NR	
ACFT	1202	2091	2245	2981	3372	NR	NR	NR	NR	NR	NR	NR	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	February 8	1700	1520	10.08	June 27	2015	0.0	3.70	NR

REMARKS:

Station is located on downstream side of Davis Road Bridge.

Tributary to Yolo Bypass. The University of California Water Treatment Plant discharges into the channel 100 feet upstream from the gage. Very low flows upstream of treatment plant during summer months.

Period of record for discharge is 1957 to date.

Flows were computed until March 4, 1985. Operation of station after March 4, 1985 records gage height only.

The datum for this station from 1957 to present is 24.57, NGVD.

FOR PERIOD OF RECORD BEGINNING 1957:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	14700	18.48	January 24, 1970	NR
AVERAGE/YEAR	Not avialable.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: A05735 NORTH HONCUT CREEK NEAR BANGOR

LOCATION: LAT 39-20-32, LONG 121-29-25, T17N, R04E, SEC. 11, MD B&M BUTTE COUNTY

DRAINAGE AREA: 47.1 SQ MILES HYDROLOGIC AREA: A-10.F0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.0	NR	60	7.7	7.5	5.9	86	3.6	NR	NR			1
2	0.0	NR	34	7.5	7.4	6.6	79	3.6	NR	0.0			2
3	0.0	NR	42	7.3	7.3	6.9	72	3.5	NR	0.0			3
4	0.0	NR	47	7.2	7.3	6.5	66	3.5	NR	0.0			4
5	0.0	NR	30	7.0	7.2	6.2	54	3.3	NR	0.0			5
6	0.0	3.2	21	6.8	7.1	6.0	32	3.8	NR	0.0			6
7	0.0	3.6	13	7.1	22	83	22	3.6	NR	0.0			7
8	0.0	5.1	10	8.6	844E	92	15	3.3	NR	0.0	N	N	8
9	0.0	6.0	9.8	8.1	347E	76	10	3.2	NR	0.0			9
10	0.2	4.9	52	7.8	219	70	6.3	3.1	NR	0.0	O	O	10
11	0.8	12	83	7.5	170	118	5.9	3.1	NR	0.0			11
12	2.5	11	68	7.2	137	100	5.9	3.0	NR	0.0			12
13	NR	50	44	7.2	110	86	5.9	2.8	NR	0.0			13
14	NR	31	19	7.3	91	78	5.8	2.7	NR	0.0			14
15	NR	9.2	41	7.3	78	71	5.6	NR	NR	0.0			15
16	NR	8.2	154	7.2	69	52	5.2	NR	NR	0.0	F	F	16
17	NR	8.2	116	7.1	62	29	5.2	NR	NR	0.0			17
18	NR	14	85	7.0	45	19	5.1	NR	NR	0.0	L	L	18
19	NR	18	70	6.9	28	14	5.0	NR	NR	0.0			19
20	NR	9.7	52	6.8	19	10	4.8	NR	NR	0.0	O	O	20
21	NR	73	28	6.6	12	7.2	4.5	NR	NR	0.0	W	W	21
22	NR	66	16	6.6	10	6.7	4.6	NR	NR	0.0			22
23	NR	29	11	6.5	9.7	6.4	4.7	NR	NR	0.0			23
24	NR	277E	9.8	6.3	8.8	6.2	4.5	NR	NR	0.0			24
25	NR	124	9.4	6.3	6.6	6.9	4.4	NR	NR	0.0			25
26	NR	64	9.1	7.2	6.2	13	4.4	NR	NR	0.0			26
27	NR	41	8.9	8.4	6.0	232	4.3	NR	NR	0.0			27
28	NR	305#	8.7	8.0	5.9	169	4.1	NR	NR	0.0			28
29	NR	109	8.4	8.3		134	4.0	NR	NR	0.0			29
30	NR	77	8.1	8.0		112	3.7	NR	NR	0.0			30
31	NR		7.9	7.7		96		NR		0.0			31
MONTHLY													
MEAN	NR	NR	37.9	7.3	83.9	55.7	18.0	NR	NR	NR	0.0	0.0	
MAX	NR	NR	154	8.6	844	232	86	NR	NR	NR	0.0	0.0	
MIN	0.0	0.0	7.9	6.3	5.9	5.9	3.7	NR	NR	0.0	0.0	0.0	
ACFT	NR	NR	2333	449	4661	3422	1071	NR	NR	NR	0	0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	February 08	1145	1600	7.43	October 01	0015	0.0	2.03	NR

REMARKS:

Station is located 0.4 miles north of Honcut-Wyandotte Road and Bangor Highway junction, 5.7 miles southwest of Bangor.

Tributary to the Feather River. Flows are partly regulated by Lake Wyandotte. Maximum flow of 10,700 cfs (December 26, 1964) was estimated by an extended rating curve.

Period of record for discharge is October 1959 to September 1962 and July 1963 to date.

The datum for this station from 1959 to 1962 is 0.00, LOCAL.
The datum for this station from 1963 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1959:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	10700E	11.57	December 26, 1964	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: B02008 MOSHER CREEK NEAR STOCKTON

LOCATION: LAT 38-02-35, LONG 121-15-43, T02N, R06E, SEC. 01, MD B&M SAN JOAQUIN COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: B-03.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	7.5	0.0	5.0	0.0	0.0	0.0	3.4	3.7	10	7.6	12	7.5	1
2	7.8	0.0	5.2	0.0	0.0	0.0	3.6	6.9	11	4.3	8.1	5.7	2
3	7.8	0.1	5.8	0.0	0.0	0.0	3.0	12	10	12	9.7	6.9	3
4	7.6	0.1	6.4	0.0	0.0	0.0	1.9	11	4.2	7.4	5.9	7.5	4
5	7.3	0.1	6.8	0.0	0.0	0.0	0.9	3.4	.6	3.6	10	6.2	5
6	7.0	0.1	5.1	0.0	0.0	0.0	0.7	8.9	2.4	3.9	7.0	6.8	6
7	6.7	0.1	4.1	0.0	0.0	0.0	0.5	4.5	4.5	6.6	6.0	7.1	7
8	6.4	0.1	3.5	0.0	3.4	0.0	0.5	3.1	1.8	7.5	1.6	5.5	8
9	6.2	0.1	2.8	0.0	1.8	0.0	0.5	6.4	.6	6.5	2.9	9.0	9
10	6.1	0.1	9.7	0.0	1.8	0.0	0.5	5.4	6.5	4.1	2.8	6.4	10
11	5.8	0.1	6.1	0.0	0.4	0.0	1.9	2.6	7.7	1.9	4.3	6.6	11
12	5.4	0.1	5.6	0.0	0.2	0.0	4.6	9.6	3.1	11	3.0	6.5	12
13	4.9	0.1	4.9	0.0	0.1	0.0	1.9	7.1	2.6	9.0	5.3	7.3	13
14	4.2	0.2	3.9	0.0	0.1	0.0	7.0	5.4	4.6	10	7.5	5.6	14
15	3.6	0.3	5.7	0.0	0.1	0.0	11	5.0	3.5	6.2	7.3	5.0	15
16	3.2	0.3	7.8	0.0	0.1	0.0	12	1.8	9.6	10	7.5	6.1	16
17	2.7	0.3	4.7	0.1	0.0	0.0	14	3.8	7.6	6.4	5.2	5.6	17
18	1.5*	0.3	3.9	0.1	0.0	0.0	12	4.0	3.0	4.4	9.5	6.9	18
19	0.9	0.3	3.7	0.1	0.0	0.0	6.8	6.0	.3	6.4	13	7.7	19
20	0.5	0.3*	3.5	0.0	0.0	0.1	7.1	8.8	2.0	9.1	7.4	6.4	20
21	0.2	0.3	2.4	0.0	0.0	0.1	9.5	12	5.8	5.6	8.0	5.6	21
22	0.1	0.3	1.5	0.0	0.0	0.2	9.0	8.6	3.7	2.4	4.9	5.0	22
23	0.0	0.3	0.8	0.0	0.0	0.7	7.6	4.8	4.0	1.1	2.3	4.1	23
24	0.0	0.6	0.3	0.0	0.0	1.2	5.3	4.5	8.0	2.8	5.3	3.5	24
25	0.0	1.3	0.1	0.0	0.0	1.2	6.5	6.7	2.8	10	8.3	3.3	25
26	0.0	1.8	0.0	0.0	0.0	3.3	5.8	5.6	8.3	13	9.5	3.8	26
27	0.0	2.5	0.0	0.0	0.0	3.0	5.5	5.5	6.8	14	6.5	5.8	27
28	0.0	3.7	0.0	0.0	0.0	6.4	10	4.4	1.8	12	5.4	8.0	28
29	0.0	4.2	0.0	0.0		6.7	10	10	11	6.6	5.1	8.3	29
30	0.0	4.6	0.0	0.0		5.3	7.8	10	10	3.4	6.9	7.9	30
31	0.0		0.0	0.0		3.9		9.9		16	6.0		31
MONTHLY MEAN	3.3	.8	3.5	0.0	0.3	1.0	5.7	6.5	5.3	7.3	6.6	6.3	
MAX	7.8	4.6	9.7	0.1	3.4	6.7	14	12	11	16	13	9.0	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.8	0.3	1.1	1.6	3.3	
ACFT	205	45	217	1	16	64	339	399	313	446	405	372	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
3.9	July 31	0545	21	27.09	October 26	1930	0.0	26.28	2822

REMARKS:

Station is located 5 miles north and east of Stockton on right bank of Mosher Creek 0.5 miles west of Highway 99.

Tributary to San Joaquin River. Station operated at Lower Sacramento Road (B02005) between 1965 and 1968. Discontinued until 1973. The station was reactivated at a site on Westlane (B02007) in 1973. Moved to present site in March of 1979.

Period of record for discharge is December 1965 to September 1967, October 1973 to September 1978 and March 1979 to date.

The datum for this station from 1965 to 1967 is 0.00, LOCAL.
The datum for this station from 1973 to 1978 is 0.00, LOCAL.
The datum for this station from 1979 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1979:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	168	29.12	January 05, 1982	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: B02520 CALAVERAS RIVER NEAR STOCKTON

LOCATION: LAT 38-01-14, LONG 121-13-45, T02N, R07E, SEC. 17, MD B&M SAN JOAQUIN COUNTY

DRAINAGE AREA: Not avaiable HYDROLOGIC AREA: B-03.C0

WATER YEAR OCTOBER 1984 thru SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	6.9		0.0	0.0	0.0	0.0	1.8	28	12	13	21	11	1
2	7.6		0.0	0.0	0.0	0.0	0.2	25	15	12	15	17	2
3	5.5		0.0	0.0	0.0	0.0	0.0	21	8.0	12	9.4	10	3
4	4.6		0.0	0.0	0.0	0.0	0.0	33	10	9.4	9.8	13	4
5	3.5		0.0	0.0	0.0	0.0	0.0	34	7.3	13	10	14	5
6	2.6		0.0	0.0	0.0	0.0	0.0	27	12	10	12	14	6
7	2.1		0.0	0.0	0.0	0.0	0.0	15	9.0	14	16	18	7
8	1.8	N	0.0	0.0	0.0	0.0	0.0	14	10	14	21	25	8
9	1.3		0.0	0.0	26	0.0	0.0	13	8.7	14	13	17	9
10	0.8	O	0.0	0.0	26	0.0	0.0	11	12	18	14	15	10
11	0.5		0.0	0.6	12	0.0	0.0	26	16	9.2	19	16	11
12	0.3		2.5	0.0	4.0	0.0	0.0	28	14	12	7.6	8.2	12
13	0.1		2.5	0.0	0.9	0.0	0.0	25	10	25	13	8.4	13
14	0.0		0.1	0.0	0.0	0.0	0.0	19	5.6	15	13 *	6.5	14
15	0.0*		0.0	0.0	0.0	0.0	0.0	9.5	6.0	16	12	4.6	15
16	0.0	F	0.0	0.0	0.0	0.0	0.1	12	12	25	12	3.5	16
17	0.0		0.0	0.0	0.0	0.0	0.6	9.5	11	15	16	2.5	17
18	0.0	L	0.0	0.0	0.0	0.0	16	16	15	15	23	1.8	18
19	0.0		0.0	0.0	0.0	0.0	67	16	16	20	17	1.2	19
20	0.0	O	0.8	0.0	0.0	0.0	47	11	12	26	9.0	0.9	20
21	0.0	W	0.2	0.0	0.0	0.0	48	11	19	26	6.8	0.7	21
22	0.0		0.0	0.0	0.0	0.0	35	20	17	16	9.1	0.5	22
23	0.0		0.0	0.0	0.0	0.0	9.9	18	26	8.4	17	0.4	23
24	0.0		0.0	0.0	0.0	0.0	8.3	11	16	11	19	0.4	24
25	0.0		0.0	0.0	0.0	0.0	18	8.6	22	9.3	24	8.2	25
26	0.0		0.0	0.0	0.0	0.0	15	8.3	12	24	13	13*	26
27	0.0		0.0	0.0	0.0	0.0	11	9.4	18	14	12	16	27
28	0.0		0.0	0.0	0.0	0.0	14	9.6	22	16	14	14	28
29	0.0		0.0	0.0		7.6	16	4.7	18	8.5	21	13	29
30	0.0		0.0	0.0		7.8	23	8.2	18	6.6	13	11	30
31	0.0		0.0	0.0		4.4		9.5		9.6	12		31
MONTHLY													
MEAN	1.2	0.0	0.2	0.0	2.5	0.6	11.0	16.5	13.7	14.7	14.3	9.5	
MAX	7.6	0.0	2.5	0.6	26	7.8	67	34	26	26	24	25	
MIN	.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.6	6.6	6.8	.4	
ACFT	75	0	12	1	137	39	656	1014	812	906	880	565	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
7.0	April 19	0400	78	4.41	October 14	0345	0.0	3.12	5097

REMARKS:

Station is located below Solori Road Bridge, 5 miles northeast of Stockton. Prior to October 28 1965, station was located 0.5 miles above Highway 99 Bridge, 1.5 miles below present location.

Flows are regulated by a diversion dam at Bellota operated by Stockton East Irrigation District.

Period of record for discharge is December 1948 to date.

The datum for this station from 1948 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1948:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	829	11.14	December 22, 1984	NR
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: B02580 STOCKTON DIVERSION CANAL AT STOCKTON

LOCATION: LAT 37-59-12, LONG 121-15-30, T02N, R06E, SEC. 25, MD B&M SAN JOAQUIN COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: B-03.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	0.7	1.3	NR	0.0	0.0	0.0	20	14	5.0	0.4	0.0	1.1	1
2	19	0.0	NR	0.0	0.0	0.0	10	9.0	13	3.1	0.2	0.7	2
3	16	0.0	NR	0.0	0.0	0.0	4.8	0.8	2.2	1.4	0.3	0.7	3
4	7.6	0.0	221	0.0	17	1.1	3.5	3.2	1.1	0.3	0.0	0.7	4
5	5.2	0.0	58	0.0	8.5	2.9	0.6	12	0.2	0.0	0.0	0.7	5
6	4.1	0.0	28	0.0	3.4	0.6	4.5	14	0.1	0.0	0.0	0.7	6
7	1.9	12	10	1.6	1.3	12	12	2.5	0.0	0.0	0.1	0.7	7
8	1.1	24	3.8	380	374	112	7.8	0.2*	0.0	0.0	0.2	2.8	8
9	.2	18	1.4	169	906	47	4.3	7.5	0.0	0.0	19	7.9	9
10	.0	16	24	41	136	28	0.2	2.1	0.0	0.0	16	10	10
11	1.2	15	119	15	46	231	0.0	0.3	0.0	4.5	6.6	3.1	11
12	1.8	9.6	65	7.6	20	128	0.0	1.8	0.0	7.1	10	1.9	12
13	3.1	18	27	3.1	7.7	50	0.0	1.6	0.0	0.0	3.3	1.6	13
14	5.2	47	13	1.7	2.6*	28	0.0	3.3	0.0	0.0	1.9	3.3	14
15	10 *	43	9.1	.5*	2.4	17	0.0	5.7	0.0	0.0	1.9	2.5	15
16	21	24	157	0.0	0.5	10	0.0	0.0	0.0	0.0	1.9	2.5	16
17	17	11	148	0.0	0.0	10	0.0	0.0	0.0	0.0	1.6	2.1	17
18	34	5.4	46	0.0	0.0	17	0.0	0.0	0.0	0.0	1.1	1.8	18
19	49	1.9	17	0.1	0.4	7.3	.0	0.0	0.0	0.0	1.8	1.4	19
20	46	0.0*	6.8	0.0	0.0	3.4*	4.6	0.0	0.0	0.0	1.0	1.4	20
21	15	NR	2.5	0.0	0.0	1.5	24	10	0.0	16	2.0	1.0	21
22	9.5	NR	0.8	0.0	0.0	0.4	28	5.1	0.1	18	9.8	0.9	22
23	8.7	NR	0.0	0.0	0.0	0.0	20	1.3	10	31	3.3	0.9*	23
24	7.5	NR	0.0	0.0	0.0	17	11	19	5.4	9.0*	2.5	0.7	24
25	14	NR	0.0	0.0	0.0	25	6.1	21	9.8	0.7	2.0	0.6	25
26	7.9	NR	0.0	0.0	0.0	13	8.8	14	12	1.2	0.8	7.7	26
27	2.1	NR	0.0	0.0	0.0	26	5.8	4.4	5.4	2.6	1.1	10	27
28	1.6	NR	0.1	0.0	0.0	298	1.3	0.0	17	0.6	2.0	9.2	28
29	7.2	NR	0.9	0.0		223	14	0.0	6.8	20	2.1	12	29
30	4.3	NR	0.7	0.0		75	4.5	2.1	1.1	8.6	5.1	28	30
31	2.9		0.4	0.0		42		3.4		0.0	1.9		31
MONTHLY													
MEAN	10.5	NR	NR	20.0	54.5	46.0	6.5	5.1	3.0	4.0	3.2	4.0	
MAX	49	NR	NR	380	906	298	28	21	17	31	19	28	
MIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	
ACFT	644	NR	NR	1229	3026	2829	388	314	177	247	197	235	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	February 08	2315	2000	9.52	October 09	0915	0.0	3.02	NR

REMARKS:

Station is located on right bank of diverting canal, 60 feet below Cherokee Lane Bridge.

Prior to June 12, 1969, station was located 200 feet above U.S. Highway 99. Water is diverted from Calaveras River at Bellota and returned to Calaveras River via Stockton Diverting canal.

Period of record for discharge is January 1944 to date.

The datum for this station from 1954 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1925:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	11400E	17.10	April 04, 1958	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: B02805 FRENCH CAMP SLOUGH NEAR FRENCH CAMP

LOCATION: LAT 37-52-52, LONG 121-14-53, T01S, R07E, SEC. 06, MD B&M SAN JOAQUIN COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: B-03.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	120	0.0	97	14	13	14	92	73	77	45	55	123	1
2	172	0.0	66	13	14	19	81	98	95	8.0	42	139	2
3	134	0.2	88	11	21	27	70	102	113	22	46	111	3
4	156	0.3	177	10	38	38	70	94	103	28	73	96	4
5	128	0.0	110	10	27	50	76	91	74	20	62	105	5
6	120	0.0	73	9.4	25	78	82	87	73	37	57	104	6
7	117	0.0	50	11	25	79	119	69	79	28	69	114	7
8	117	0.5	36	18	59	64	112*	76	68	44	54	129	8
9	128	4.2	28	42	918	110	100	65	78	30	36	124	9
10	137	4.8	28	38	730	107	88	51	70	8.0	39	127	10
11	140	5.2	104	28	684	328	83	85	81	19	87	116	11
12	164	4.2	101	24	656	323	103	103	69	43	65	124	12
13	141	5.6	69	22	626	141	88	96	70	46	56	124	13
14	176	49	50	18	586	95	71	73	45	65	67	151	14
15	163	34	40	15*	431	71	101	65	51	60	42	108	15
16	152	14	328	19	88	57	113	93	62	62	41	111	16
17	113	11	608	14	63	49	133	73*	56	47	70	96	17
18	80*	18	280	13	52	47	154	81	48	54	87	72	18
19	36	28	117	12	45	49	131	83	31	71	55	76	19
20	22	21	84	10	41	41	107	87	36	32	47	78	20
21	15	14	65	10	35	41	107	89	55	50	75	82	21
22	13	21	51	9.5	30	33	103	79	43	46	71	82	22
23	6.7	17	41	9.9	28	38	77	63	59	72	100	82	23
24	5.0	22	34	8.5	26	34	92	75	82	44	89	70*	24
25	3.6	142	29	7.5	21	31	101	84	71	52	83	88	25
26	3.2	137*	26	7.6	20	33	92	87	79	54	82	87	26
27	1.5	93	25	9.8	18	57	87	81	72	41	95	102	27
28	0.4	80	23	8.1	16	72	75	64	49	59	100	105	28
29	1.0	427	20	7.8		98	53	81	41	66	98	84	29
30	0.5	200	19	7.7		153	79	66	37	64	91	83	30
31	0.1		16	9.2		112		66		67	98		31
MONTHLY													
MEAN	82.8	45.1	93.0	14.4	191	80.3	94.7	80.0	65.6	44.6	68.8	103	
MAX	176	427	608	42	918	328	154	103	113	72	100	151	
MIN	0.1	0.0	16	7.5	13	14	53	51	31	8.0	36	70	
ACFT	5090	2684	5718	887	10580	4937	5633	4919	3901	2745	4229	6135	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
79.4	February 09	0145	1190	7.64	November 02	1230	0.0	2.61	57458

REMARKS:

Located on right bank of French Camp Slough at Airport Way (Durham Ferry Road), 1.5 miles east of French Camp.

Tributary to San Joaquin River. An irrigation diversion dam is placed across the channel in some years requiring a supplemental rating curve be used for a bypass around the dam. Diversion dam was not installed during this water year.

Period of record for discharge is January 1950 to date.

The datum for this station from 1950 to 1955 is 0.00, LOCAL.
The datum for this station from 1955 to present is 4.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1950:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	3390	6.31	December 09, 1950	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: B02835 DUCK CREEK NEAR STOCKTON

LOCATION: LAT 37-55-30, LONG 121-15-02, T01N, R06E, SEC. 24, MD B&M SAN JOAQUIN COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: B-03.D0

WATER YEAR OCTOBER 1984 thru SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	4.5	3.1	11	2.1	0.0	0.4	0.5	0.4	0.8	1.5	2.1	3.1	1
2	4.4	3.2	10	2.0	0.0	0.5	0.5*	0.4	0.8	1.5	2.3	3.2	2
3	4.3	3.3	42	1.9	0.0	0.5	0.5	0.4	0.8	1.5	2.3	3.2	3
4	4.2	3.4	53	1.8	0.0	0.5	0.5	0.4	0.8	1.6	2.3	3.4	4
5	3.8	3.4	11	1.6	0.0	0.5*	0.5	0.4	0.8	1.6	2.3	3.2	5
6	3.8	3.5	9.0	1.5	0.0*	0.5	0.5	0.4	0.8	1.5	2.3E	3.4	6
7	3.7	3.7	8.5	1.5	0.0	0.5	0.5	0.4	0.8	1.6	2.3E	3.4	7
8	3.6	3.8	8.2	2.7	0.0	0.5	0.5	0.4	0.9	1.6	2.3E	3.6	8
9	3.6	3.8	7.9	11	99	0.5	0.5	0.4	1.3	1.6	2.3E	3.6	9
10	3.2	3.9	7.6	1.9	1.2	0.5	0.5	0.5	1.0	1.6	2.4E	3.6	10
11	3.2	4.0	11	1.5	0.1	1.7	0.5	0.8	1.0	3.8	2.4E	3.6	11
12	3.1	4.1	8.7	1.4	0.1	2.1	0.5	0.6	1.1	1.9	2.4E	3.6	12
13	3.0	4.2	6.7	1.3	0.1	0.6	0.5	0.6	1.1	1.9	2.4E	3.6	13
14	2.8	4.4	6.4	1.2	0.1	0.6	0.5	0.6	1.1	1.9	2.4*	3.8	14
15	2.6	4.4	6.1	1.1*	0.1	0.6	0.5	0.6	1.2	2.0	2.4	3.7	15
16	2.5	4.5	45	0.9	0.1	0.6	0.5	0.6	1.2	2.0	2.4	3.8	16
17	2.4	4.6	18	0.8	0.1	0.6	0.5	0.6	1.4	2.0	2.5	3.9	17
18	2.3*	4.7	5.7	0.7	0.2	0.6	0.5	0.6	1.2	2.0	2.5	4.0	18
19	2.4	4.8	5.1	0.6	0.2	0.6	0.5	0.6	1.3	2.0	2.5	3.9	19
20	2.4	4.9	4.8	0.5	0.2	0.6	0.5	0.6	1.4	2.0	2.5	4.0	20
21	2.4	5.1	4.6	0.4	0.2	0.6	0.5	0.6	1.3	2.0	2.6	4.1	21
22	2.5	5.1	4.4	0.3	0.2	0.6	0.5	0.8	1.3	2.1	2.6	4.3	22
23	2.5	5.3	3.9	0.2	0.3	0.6	0.5	1.3	1.4	2.1	2.6	4.3	23
24	2.5	5.4	3.7	0.2	0.3	0.6	0.5	0.6	1.4	2.1	2.6	4.3*	24
25	2.6	24	3.6	0.1	0.3	0.6	0.5	0.9	1.4	2.2	2.8	4.3	25
26	2.7	19*	3.4	0.1	0.4	0.5	0.5	0.7	1.5	2.2	2.8	4.3	26
27	2.7	12	3.0	0.1	0.4	0.5	0.4	0.7	1.5	2.1	3.0	4.4	27
28	2.8	12	2.8	0.0	0.4	0.5	0.4	0.7	1.5	2.1	2.8	4.4	28
29	3.0	36	2.6	0.0		0.5	0.4	0.7	1.4	2.3	3.0	4.3	29
30	2.9	12	2.5	0.0*		0.5	0.4	0.7	1.5	2.3	3.0	4.3	30
31	3.1		2.4	0.0		0.5		0.8		2.2	3.2		31
MONTHLY													
MEAN	3.1	7.2	10.4	1.3	3.7	0.6	0.5	0.6	1.2	2.0	2.5	3.8	
MAX	4.5	36	53	11	99	2.1	0.5	1.3	1.5	3.8	3.2	4.4	
MIN	2.3	3.1	2.4	0.0	0.0	0.4	0.4	0.4	0.8	1.5	2.1	3.1	
ACFT	189	428	640	78	206	39	29	37	69	121	155	227	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
3.1	February 09	0200	256	5.76	January 29	2300	0.0	2.52	2218

REMARKS:

Station is located on downstream side of B Street Bridge. Prior to January 10, 1965, station was located at Laurel Avenue, 0.2 miles upstream from present location.

Duck Creek is a tributary to the San Joaquin River via French Camp Slough. Flows are regulated by gravity culverts which divert to Little Johns Creek.

Period of record for discharge is January 1950 to date.

The datum for this station from 1950 to 1965 is 0.00, LOCAL.
The datum for this station from 1965 to present is 0.00, LOCAL.

FOR PERIOD OF RECORD BEGINNING 1950:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	828	8.86	January 23, 1983	NR
AVERAGE/YEAR	Not available			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: B02010 BEAR CREEK NEAR LODI

LOCATION: LAT 38-04-27, LONG 121-12-40, T03N, R07E, SEC. 28, MD B&M SAN JOAQUIN COUNTY

DRAINAGE AREA: 36.7 SQ MILES HYDROLOGIC AREA: B-03.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	NR	7.7	26	2.8	4.7	2.1	6.4						1
2	NR	39	12	2.8	28	2.3	4.6						2
3	NR	26	252	2.8	23	2.0	3.7						3
4	NR	28	192	2.6	11	1.9	2.9						4
5	NR	20	58	2.5	7.5	2.2	2.5						5
6	NR	16	24	2.5	5.5	2.5	2.6						6
7	NR	17	12	3.1	4.8	5.5	7.4						7
8	NR	21	6.4	58	294	34	4.5*	N	N	N	N	N	8
9	NR	50	4.6	76	420	9.6	3.3						9
10	NR	24	121	38	110	7.1	3.9	O	O	O	O	O	10
11	NR	15	205	20	40	38	3.5						11
12	NR	11	64	11	20	28	3.0						12
13	NR	35	27	7.6	13	12	1.7						13
14	NR	118	13	6.1	9.7	7.2	1.9						14
15	NR	83	9.3	5.0	7.3	4.8	NR	R	R	R	R	R	15
16	32*	23	229	4.4*	5.9	3.8	NR	E	E	E	E	E	16
17	67	13	112	4.2	5.7	3.7	NR						17
18	87	9.4	38	4.0	5.5	2.9	NR	C	C	C	C	C	18
19	40	8.3	20	3.7	4.9*	2.4	NR						19
20	17	6.7*	11	3.4	4.2	2.3	NR	O	O	O	O	O	20
21	9.1	5.4	7.1	3.4	3.6	2.7	NR	R	R	R	R	R	21
22	5.3	6.6	5.6	3.6	3.6	2.4	NR						22
23	4.2	9.0	4.5	3.8	3.1	3.1	NR	D	D	D	D	D	23
24	3.7	31	3.9	3.8	2.9	2.4	NR						24
25	3.4	220	3.4	3.8	2.6	1.9	NR						25
26	3.0	64	3.6	3.8	2.6	1.9	NR						26
27	2.7	28	3.1	3.5	2.2	78	NR						27
28	2.5	132	3.1	3.3	2.2	105	NR						28
29	2.4	135	3.5	3.7		60	NR						29
30	2.3	53	3.4	6.4		21	NR						30
31	2.2		3.1	5.6		11							31
MONTHLY MEAN	NR	41.8	47.8	9.8	37.4	15.0	NR	NR	NR	NR	NR	NR	
MAX	NR	220	252	76	420	105	NR	NR	NR	NR	NR	NR	
MIN	NR	5.4	3.1	2.5	2.2	1.9	NR	NR	NR	NR	NR	NR	
ACFT	NR	2937	605	2078	920		NR	NR	NR	NR	NR	NR	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	February 8	2015	885	3.52	April 25	2115	0.0	0.30	NR

REMARKS:

Station is located on upstream side of Alpine Road Bridge, 5.0 miles southeast of Lodi. Tributary to the San Joaquin River via Disappointment Slough.

A temporary dam is installed 1/2 mile below station during irrigation season. Flows are not computed during this period (October 1 through October 15, and April 15 through September 30).

Period of record for discharge is February 1965 to date.

The datum for this station from 1965 to present is 44.4, NGVD.

FOR PERIOD OF RECORD BEGINNING 1965:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	4550	8.33	January 22, 1967	NR
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: G12200 BIDWELL CREEK NEAR FORT BIDWELL

LOCATION: LAT 41-52-57, LONG 120-10-26, T46N, R16E, SEC. 06, MD B&M MODOC COUNTY

DRAINAGE AREA: 25.6 SQ MILES HYDROLOGIC AREA: G-12.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	8.5	9.4	11	8.4E	7.3E	12	26	77	54	20	10	7.5	1
2	7.8*	12	13	8.4E	7.4E	12	35	85	51	19	10	8.9	2
3	7.6	13	12	8.4E	7.4E	11	42	87	49	18	10	9.5	3
4	7.7	11	12	8.4E	6.9E	11	44	79	50	17	10	9.5	4
5	7.6	10	13*	8.3E	6.9E	10	47	76	53	16	9.8	9.2	5
6	7.6	10*	14	8.2E	6.9E	10	56	75	57	16	9.2	9.3	6
7	7.5	11	13	8.2E	7.1	9.7	71	73	60	15	8.4	9.7	7
8	7.3	11	13	8.2#	7.7	9.4	78	70	59	15	8.4	11	8
9	7.3	11	13	8.2	7.4	9.2	82	67*	54	14	8.8	12	9
10	7.7	11	14	7.9	7.1	9.4	82	63	51	13	8.9	12*	10
11	12	16	13	8.0	7.0	9.4	79*	58	49	13*	8.5	12	11
12	9.9	17	14	6.9	8.1	9.8	74	56	48*	12	8.2	12	12
13	13	19	13E	6.4	7.8	10*	76	55	47	12	7.6	12	13
14	9.5	16	10E	6.4E	7.8	11	88	58	46	12	8.1*	11	14
15	9.0	13	9.9E	6.7E	8.5	13	97	55	44	12	8.2	11	15
16	8.9	13	9.7E	6.8E	9.4	16	88	54	41	12	7.8	11	16
17	9.1	12	9.5E	6.7E	9.4	18	79	54	39	11	7.5	11	17
18	9.0	12	8.8E	7.2E	9.5	20	73	58	38	11	7.5	11	18
19	9.6	12	7.6E	7.7E	9.7	22	66	66	36	11	8.1	11	19
20	9.8	12	8.1E	8.2E	9.7	24	57	71	35	11	8.3	11	20
21	9.4	11	9.0E	8.7E	9.5	25	53	68	33	11	8.2	11	21
22	9.1	11	9.8E	8.2E	9.7	23	50	68	31	11	7.9	11	22
23	9.1	11	8.7E	8.2E	10	23	49	72	30	11	7.6	11	23
24	10	12	8.2E	8.4E	11	23	46	76	29	11	7.1	11	24
25	10	11	8.0E	7.9E	12	21	45	77	27	10	6.5	10	25
26	18	11	8.0E	7.9E	12	21	45	72	26	10	5.9	9.6	26
27	12	12	8.3E	7.7E	12	19	47	67	24	10	5.4	9.2	27
28	11	12	8.6E	8.2E	12	18	52	75	23	10	5.3	8.9	28
29	12	12	8.7E	7.9E		17	57	68	22	10	6.1	8.7	29
30	11	12	8.7E	7.7E		17	66	61	21	10	6.7	8.7	30
31	9.9		8.4E	7.7E		20		58		10	7.1		31
MONTHLY													
MEAN	9.6	12.2	10.5E	7.8E	8.8	15.6	61.7	67.7	40.9	12.7	8.0	10.4	
MAX	18	19	14	8.7E	12E	25	97	87	60	20	10	12	
MIN	7.3	9.4	7.6E	6.4E	6.9E	9.2	26	54	21	10	5.3	7.5	
ACFT	591	727	647E	480E	490	960	3669	4163	2434	781	490	616	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
22.2	April 14	1730	104	3.78	August 27	1745	5.1	2.75	16048

REMARKS:

Station located east of New Pine Creek-Fort Bidwell Rd, 2.0 miles NW of Fort Bidwell. Tributary to Upper Alkali Lake.

Stage-discharge relationship affected by ice at times.

Period of record for discharge is April 1955 to October 1957 (irrigation season only), May 1958 to date. Period of record for gage height is same as discharge.

The datum for this station from 1958 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1958:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	682	5.64	December 24, 1964	0600
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

= E and *.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: G15150 CEDAR CREEK AT CEDARVILLE

LOCATION: LAT 41-32-00, LONG 120-10-54, T42N, R16E, SEC. 06, MD B&M MODOC COUNTY

DRAINAGE AREA: 25.0 SQ MILES HYDROLOGIC AREA: G-12.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	1.0	22	6.6	3.5E	2.2E	7.7	10	14	5.7	1.3	0.5	0.2	1
2	0.9*	26	6.6	3.5E	2.2E	7.5	16	15	5.4	1.2	0.6	0.6	2
3	1.7	23	6.4	3.5E	2.2E	7.1	20	15	5.0	1.2	0.5	0.5	3
4	4.4	20	6.0	3.5E	2.3E	7.1	22	14	4.8	1.1	0.4	0.5	4
5	5.8	20	5.7	3.4E	2.2E	6.6	25	13	4.8	1.1	0.3	0.4	5
6	6.9	10*	5.2	3.2E	2.2E	6.6	31E	13	4.6	1.0	0.3	0.4	6
7	7.5	4.2	5.4	3.2E	2.1#	6.5	39E	12	4.4	0.9	0.3	0.5	7
8	8.3	5.3	5.0	3.0#	2.4E	6.3	37E	12	4.3	0.9	0.3	1.2	8
9	9.9	5.6	4.9E	2.5E	2.5E	6.7	34E	12*	4.0	0.9	0.3	0.9	9
10	11	6.5	4.9E	2.5E	2.3E	6.9	30	11	3.7	0.8	0.3	0.8*	10
11	16	8.3	4.9E	2.5E	2.3E	6.9	26*	10	3.5	0.8*	0.3	0.7	11
12	15	7.7	4.9E	2.6E	3.0	7.4	24	9.0	3.3*	0.8	0.3	0.6	12
13	16	7.8	4.9E	2.7E	3.1	6.9*	24	8.6	3.1	0.7	0.3	0.5	13
14	15	7.7	4.9E	2.7E	3.3	6.2	27	8.3	3.0	0.6	0.2*	0.5	14
15	16	7.2	4.9E	2.7E	3.8	6.9	26	8.0	2.8	0.6	0.2	0.5	15
16	16	6.8	4.9E	2.7E	4.1	7.7	22	7.8	2.6	0.6	0.2	0.5	16
17	17	6.4	4.8E	2.7E	4.4	7.9	20	7.4	2.4	0.6	0.2	0.6	17
18	17	6.6	4.6E	2.6E	4.7	8.7	18	7.2	2.3	0.5	0.2	0.6	18
19	18	6.3	4.4E	2.6E	5.1	9.9	18	7.0	2.3	0.5	0.3	0.5	19
20	20	6.2	4.3E	2.5E	5.2	11	16	7.1	2.1	0.5	0.3	0.5	20
21	19	6.1	4.3E	2.6E	5.2	10	15	6.8	2.1	0.5	0.3	0.5	21
22	19	5.9	4.3E	2.5E	5.6	8.4	16	6.5	1.9	0.6	0.2	0.4	22
23	19	5.8	4.3E	2.5E	6.1	9.2	16	6.4	1.8	0.5	0.2	0.4	23
24	20	6.4	4.1E	2.4E	7.2	9.7	14	6.2	1.8	0.4	0.2	0.4	24
25	20	6.1	4.1E	2.4E	7.6	8.2	13	6.1	1.8	0.4	0.2	0.4	25
26	22	5.8	3.9E	2.4E	7.3	7.2	12	5.8	1.7	0.4	0.2	0.4	26
27	21	7.3	3.8E	2.4E	7.1	6.4	12	5.6	1.6	0.4	0.2	0.3	27
28	21	8.0	3.7E	2.4E	7.4	5.8	12	6.2	1.5	0.4	0.2	0.3	28
29	23	7.5	3.5E	2.4E		5.3	13	6.6	1.4	0.5	0.2	0.4	29
30	23	7.4	3.6E	2.2E		5.5	14	6.1	1.3	0.5	0.2	0.4	30
31	22		3.5E	2.2E		7.4		5.8		0.5	0.2		31
MONTHLY MEAN	14.6	9.3	4.8E	2.7E	4.1E	7.5	20.7	9.0	3.0	0.7	0.3	0.5	
MAX	23	26	6.6	3.5E	7.6E	11	39E	15	5.7	1.3	0.6	1.2	
MIN	0.9	4.2	3.5E	2.2E	2.1E	5.3	10	5.6	1.3	0.4	0.2	0.2	
ACFT	897	555	292E	168E	228E	459	1234	554	180	43	17	31	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
6.4	April 7	1630	57E	4.57	August 26	1715	0.1	2.83	4658

REMARKS:

Station located above Cedarville-Alturas Hwy culvert immediately West of Cedarville.
Tributary to Middle Alkali Lake.

Stage-discharge relationship affected by ice at times. For 1984-85 water year flows for December, January, and February were estimated due to ice conditions.

Period of record for discharge is May 1958 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1958 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1958:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	133	5.45	December 15, 1983	0430
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

= E and *.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: G17150 EAGLE CREEK AT EAGLEVILLE

LOCATION: LAT 41-18-40, LONG 120-07-27, T40N, R16E, SEC. 23 MD B&M MODOC COUNTY

DRAINAGE AREA: 6.4 SQ MILES HYDROLOGIC AREA: G-12.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	4.0	5.0	4.3E	3.2E		NR	6.1	NR	12 E	8.3E	3.6	1.8	1
2	3.8	6.1	4.3E	3.0E		NR	8.4	NR	NR	7.9E	3.6	3.3	2
3	3.7	5.6	4.2E	NR		NR	9.8	NR	11 E	7.5E	3.5	2.7	3
4	3.7	5.0	4.1E	NR		NR	9.8	12E	NR	7.3E	3.3	2.4	4
5	3.6	4.7	4.3E	NR		NR	11	NR	NR	7.1E	3.2	2.3	5
6	3.6	5.1	4.1E	NR		NR	14	NR	NR	6.9E	3.2	2.3	6
7	3.5	4.8	4.1E	NR		NR	16	26E	NR	6.4E	3.2	2.3	7
8	3.3	4.8	4.1E	NR	N	NR	16	NR	6.0E	6.0E	3.1	5.7	8
9	3.3	5.0	4.1E	NR		NR	16	NR	6.0E	5.7E	3.0	3.3	9
10	3.2	4.8	4.1E	NR	O	NR	15	NR	NR	5.4E	3.0	2.9	10
11	3.5	5.1	3.9E	NR		NR	14	26E	NR	4.9E	3.0	2.8	11
12	3.2E	5.0	3.9E	NR		NR	14	25E	NR	5.2E	3.0	2.8	12
13	3.4E	5.0	3.9E	NR		NR	16	24E	30 E	5.4	2.9	2.7	13
14	3.4	4.9	3.9E	NR		NR	20 E	NR	28 E	5.3	2.7	2.6	14
15	3.3	4.7E	3.9E	NR	R	NR	20	NR	26 E	5.1	2.5	2.5	15
16	3.3	4.7	3.9E	NR	E	NR	17	NR	25 E	5.0	2.5	2.5	16
17	3.5	4.5	3.9E	NR		4.1	15	22E	24 E	4.9	2.5	2.5	17
18	4.0	4.6	3.9E	NR	C	4.1	14	NR	23 E	4.7	2.5	2.5	18
19	3.6	4.4	3.9E	NR		4.3	13	NR	24 E	4.6	2.4	2.4	19
20	3.6	4.4	3.9E	NR	O	4.7	11	NR	21 E	4.4	2.3	2.3	20
21	3.9	4.4	3.9E	NR	R	5.1	11	20E	19 E	4.4	2.3	2.3	21
22	4.5	4.3	3.9E	NR		5.1	9.4	NR	16 E	4.7	2.3	2.1	22
23	4.6	4.3	3.9E	NR	D	4.9	8.5	NR	16 E	4.6	2.3	2.0	23
24	5.9	4.3E	3.7E	NR		5.3	NR	NR	15 E	4.2	2.1	1.9	24
25	5.9	4.3E	3.7E	NR		5.1	NR	15E	13 E	3.7	2.0	1.8	25
26	6.9	4.5E	3.7E	NR		5.5	NR	NR	11 E	3.7	1.9	1.8	26
27	5.6	4.5E	3.6E	NR		5.3	NR	NR	11 E	3.7	1.8	1.8	27
28	5.2	4.5E	3.6E	NR		5.2	NR	NR	10 E	3.6	1.8	1.7	28
29	5.5	4.5E	3.6E	NR		5.1	NR	NR	9.7E	3.6	1.8	1.7	29
30	5.0	4.3E	3.4E	NR		4.8	NR	NR	8.9E	3.6	1.8	1.7	30
31	4.7		3.4E	NR		4.7		NR		3.6	1.8		31
MONTHLY													
MEAN	4.1	4.7E	3.9E	NR		NR	NR	NR	NR	5.2E	2.6	2.4	
MAX	6.9	6.1	4.3E	NR		NR	NR	NR	NR	8.3E	3.6	5.7	
MIN	3.2	4.3	3.4E	NR		NR	NR	NR	NR	3.6E	1.8	1.7	
ACFT	254	282E	240E	NR		NR	NR	NR	NR	320E	160	146	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR			NR				NR		NR

REMARKS:

Station located 0.6 miles south-west of Eagleville. Tributary to Middle Alkali Lake. The control for this station is a rectangular weir (installed 76/77 WY). Weir crest = 1.92' elevation, local datum. Weir overflow starts at elevation 2.88'.

Stage-discharge relationship affected by ice at times.

Period of record for discharge is May 1958 to date.
Period of record for gage height is the same as discharge.

The datum for this station from 1985 to present is 0.00, local.

FOR WATER YEAR 1985:
No record due to ice during January 1 to March 16. No record for plugged intake during April 24 to June 12 except for estimated flows from single staff readings. Weir overflow occurred on April 15 and June 12 to June 20.

FOR PERIOD OF RECORD BEGINNING 1958:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	NR			
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: G14500 EMERSON CREEK NEAR EAGLEVILLE

LOCATION: LAT 41-16-56, LONG 120-06-51, T40N, R16E, SEC. 36, MD B&M MODOC COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: G-12.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	5.4	5.1	5.8	6.0	5.1	6.5	8.6	18	15	4.9	3.1	2.8	1
2	5.2*	7.3	6.2	5.9	5.3	6.5	10	19	15	4.7	3.0	3.5	2
3	5.1	7.2	5.9	5.9	5.2	8.5	12	20	14	4.4	3.0	3.2	3
4	5.1	5.9	5.9	5.9	6.5	6.4	13	19	14	4.3	2.8	3.0	4
5	5.1	5.8	5.7*	6.2	6.3	6.4	15	19	14	4.1	2.8	2.9	5
6	5.1	5.6	6.0	6.2	5.1	6.3	17	19	14	3.9	2.8	3.0	6
7	5.1	5.6	5.9	5.9	5.1	6.3	21	19	14	3.8	2.8	3.1	7
8	5.1	5.6	5.9	5.9	5.4	7.0	22	18	15	3.7	2.8	3.9	8
9	5.2	5.6	5.9	5.9	5.3	6.4	22	16*	15	3.6	2.8	3.4	9
10	5.1	5.6	5.9	5.7	5.2	6.4	21	14	14	3.4	2.7	3.3*	10
11	5.7	6.0	6.1	5.6	5.3	6.3	21*	14	14	3.3*	2.9	3.3	11
12	5.5	5.9	6.3	5.6	5.8	6.2	21	13	13*	3.3	2.9	3.3	12
13	6.2	6.0	6.2	5.3	5.6	6.3*	20	14	12	3.3	2.8	3.3	13
14	5.6	6.0	6.2	5.3	5.6	6.5	19	14	11	3.2	2.8*	3.3	14
15	5.6	5.9	5.9	5.4	5.5	7.0	18	14	11	3.1	2.7	3.3	15
16	5.4	5.7	5.9	5.3	5.5	7.0	17	14	10	3.1	2.7	3.3	16
17	5.6	5.6	5.9	5.3	5.6	7.2	22	14	9.4	3.0	2.7	3.3	17
18	5.6	5.9	5.9	5.3	5.6	7.5	22	16	8.8	3.0	2.8	3.4	18
19	5.3	5.6	5.9	5.3	5.8	7.4	20	18	8.6	3.0	2.8	3.3	19
20	5.6	5.7	5.9	5.3	5.9	7.8	15	20	8.4	3.0	2.8	3.3	20
21	5.3	5.7	5.9	5.3	5.8	7.5	14	20	7.7	3.2	2.8	3.3	21
22	5.4	5.6	5.9	5.2	5.9	7.2	13	20	7.4	3.5	2.7	3.4	22
23	5.6	5.7	6.0	5.2	6.2	7.4	13	22	7.5	3.4	2.7	3.4	23
24	5.7	6.1	6.2	5.1	6.3	7.7	12	22	7.1	3.1	2.6	3.3	24
25	5.8	5.7	6.2	5.1	6.2	7.3	11	22	6.7	3.1	2.6	3.3	25
26	6.0	6.9	5.9	5.1	6.2	6.9	10	24	6.2	3.0	2.6	3.3	26
27	5.3	6.1	5.9	5.1	6.2	6.7	10	24	5.8	3.0	2.6	3.3	27
28	5.3	6.2	5.9	5.1	6.3	6.5	12	22	5.5	3.0	2.6	3.3	28
29	5.8	5.9	5.9	5.1		6.4	14	23	5.3	3.1	2.6	3.3	29
30	5.6	5.9	5.9	5.1		6.3	17	19	5.1	3.2	2.5	3.3	30
31	5.3		5.6	5.1		7.1		17		3.0	2.7		31
MONTHLY MEAN	5.4	5.9	6.0	5.5	5.7	6.9	16.1	18.3	10.5	3.4	2.8	3.3	
MAX	6.2	7.3	6.3	6.2	6.5	8.5	22	24	15	4.9	3.1	3.9	
MIN	5.1	5.1	5.6	5.1	5.1	6.2	8.6	13	5.1	3.0	2.5	2.8	
ACFT	335	352	366	337	317	422	957	1125	624	212	170	195	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
7.5	May 26	1545	25	2.72	August 15	1830	2.4	2.28	5412

REMARKS:

Station located 2.25 miles south of Eagleville. Tributary to Lower Alkali Lake.

State-Discharge relationship affected by ice at times.

Period of record for discharge is October 1977 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1977 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1977:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	250	3.78	May 25, 1984	1930
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: G31140 PINE CREEK AT EAGLE LAKE NEAR SUSANVILLE

LOCATION: LAT 40-39-54, LONG 120-47-25, T32N, R10E, SEC. 01M, MD B&M LASSEN COUNTY

DRAINAGE AREA: 227 SQ MILES HYDROLOGIC AREA: G-08.C1

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1						0.0	45						1
2						0.0	90						2
3						0.0	79						3
4						0.0	58						4
5						0.0	63						5
6						0.0	79						6
7						0.0	103						7
8	N	N	N	N	N	0.0	172	N	N	N	N	N	8
9						0.0	196						9
10	O	O	O	O	O	0.0	177	O	O	O	O	O	10
11						0.0	128						11
12						0.0	90						12
13						0.0	59						13
14						0.0*	41						14
15						0.0	30						15
16	F	F	F	F	F	1.1	22	F	F	F	F	F	16
17						9.6	17						17
18	L	L	L	L	L	39	15	L	L	L	L	L	18
19						66	12						19
20	O	O	O	O	O	86	8.3	O	O	O	O	O	20
21	W	W	W	W	W	82	7.3	W	W	W	W	W	21
22						55	5.0						22
23						43	3.7						23
24						49	4.1						24
25						36	1.3						25
26						25	0.3						26
27						9.7	0.3						27
28						7.7	0.0						28
29						3.1	0.0						29
30						1.7	0.0						30
31						11							31
MONTHLY													
MEAN	0.0	0.0	0.0	0.0	0.0	16.9	50.2	0.0	0.0	0.0	0.0	0.0	
MAX	0.0	0.0	0.0	0.0	0.0	86	196	0.0	0.0	0.0	0.0	0.0	
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	
ACFT	0.0	0.0	0.0	0.0	0.0	1041	2988	0.0	0.0	0.0	0.0	0.0	

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-85 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
5.6	April 09	1200	206	4.21	October 01	0015	0.0	0.38	4029

REMARKS:

Station located above mouth, 18 miles northwest of Susanville. Major surface water tributary to Eagle Lake.

Stage-discharge relationship affected by ice at times. Low flows affected by poor control.

Prior to October 1, 1969, gage was located 1 mile upstream at different datum.

Period of record for discharge is July 1956 to date.
Period of record for gage height is same as discharge.

The datum for this station from 1956 to 1969 is 0.00, local.
The datum for this station from 1969 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1956:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	1140E	5.45	May 15, 1975	NA
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

TABLE B-1 (continued)
DAILY MEAN DISCHARGE
(in cubic feet per second)

STATION NUMBER: G61705 LONG VALLEY CREEK NEAR HALLELUJAH JUNCTION

LOCATION: LAT 39-46-55, LONG 120-04-14, T22N, R17E, SEC. 03, MD B&M LASSEN COUNTY

DRAINAGE AREA: 100 SQUARE MILES HYDROLOGIC AREA: G-08.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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

DATA INSUFFICIENT TO COMPUTE DISCHARGE

MONTHLY
MEAN
MAX
MIN
ACFT

MEAN FLOW	INSTANTANEOUS MAXIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	INSTANTANEOUS MINIMUM FLOW, 1984-5 DATE	TIME	FLOW	G.H.	TOTAL ACRE FEET
NR	NR				NR				NR

REMARKS:

Station located at State Hwy 70 bridge, 2 miles West of Hallelujah Junction.
A tributary to Honey Lake. Prior to October 1, 1969, station was located 13 miles downstream at different datum as G61200, Long Valley Creek above Doyle.

Stage-discharge relationship affected by ice at times.

Period of record for discharge is October 1970 to October 1985.
Period of record for gage height is same as discharge.

The datum for this station from 1969 to present is 0.00, local.

FOR PERIOD OF RECORD BEGINNING 1970:

	FLOW CFS	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	3520	9.16	January 24, 1970	0145
AVERAGE/YEAR	Not available.			

E = Estimated. NR = No record. * = Discharge measurement or observation of no flow.

Table B-2

Stage stations are named, numbered, and presented in the same manner as discharge stations (see page 30). In addition to the daily mean stage, Table B-2 includes a station description and other pertinent data concerning each station.

The stage stations in this appendix are listed below; their locations are shown in Figure 4, pages 32 through 37. The basins and tributary areas pertaining to stage measurements are:

BASIN A – SACRAMENTO RIVER
Tributary Area 0 – Sacramento Valley Floor

BASIN G – NORTH LAHONTAN
Tributary Area 3 – Eagle Lake

Index To Daily Mean Stage Table

Station Name	Station Number	Map Page	Data Page
Butte Slough near Meridian	A02972	34	112
Colusa Basin Drain at Highway 20	A02976	36	109
Colusa Basin Drain at Knights Landing	A02945	36	110
Eagle Lake near Spaulding	G31139	33	115
Sacramento River at Bend Bridge	A02785	34	101
Sacramento River at Colusa Weir	A02430	34	107
Sacramento River at Hamilton City	A02630	34	103
Sacramento River at Knights Landing	A02200	36	111
Sacramento River at Moulton Weir	A02445	34	105
Sacramento River at Ord Ferry	A02570	34	104
Sacramento River at Tisdale Weir	A02301	34	108
Sacramento River at Vina Bridge	A02700	34	102
Sacramento River opposite Moulton Weir	A02450	34	106
Sutter Bypass at Reclamation District # 1500 Pumping Plant	A02927	36	114
Wadsworth Canal near Sutter (Upper Station)	A05929	34	113

TABLE B-2
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02785 SACRAMENTO RIVER AT BEND BRIDGE

LOCATION: LAT 40-15-50, LONG 122-13-19, T28N, R3W, SEC. 20, MD B&M TEHAMA COUNTY

DRAINAGE AREA: Approximately 9,000 SQ. MILES HYDROLOGIC AREA: A-17.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	18.98	18.60	20.58	19.20	18.43	18.03	18.05	19.61	19.19	21.00	20.20	18.26	1
2	18.96	18.69	20.51	18.68	18.41	18.03	18.07	19.66	19.18	21.08	20.18	18.27	2
3	18.93	18.95	22.24	18.57	18.40	18.02	18.10	19.65	19.11	21.15	20.18	18.23	3
4	18.97	18.86	22.52	18.56	18.41	18.02	18.05	19.65	19.08	21.07	20.15	18.07	4
5	19.01	18.73	22.49	18.52	18.40	18.05	18.03	19.64	18.86	21.09	20.06	17.87	5
6	18.99	18.78	22.49	18.50	18.41	18.09	18.03	19.64	19.15	21.09	20.10	17.72	6
7	18.83	18.91	22.32	18.60	18.58	18.38	18.02	19.65	19.27	21.17	20.06	17.74	7
8	18.63	19.37	22.22	18.78	22.56	18.57	18.02	19.67	19.74	21.18	20.08	18.25	8
9	18.39	19.21	22.26	18.71	20.06	18.29	18.01	19.66	19.75	21.25	20.04	18.32	9
10	18.28	19.61	23.16	18.88	19.26	18.51	18.00	19.65	19.77	21.24	20.03	17.52	10
11	18.93	21.55	24.49	18.68	18.98	18.51	18.00	19.49	19.72	21.01	19.99	17.22	11
12	18.53	22.24	22.86	18.48	18.70	18.30	18.03	19.45	19.71	21.04	19.96	17.19	12
13	18.40	23.58	22.40	18.42	18.14	18.10	18.31	19.14	19.72	21.04	19.99	17.16	13
14	18.37	23.06	22.44	18.42	18.04	18.03	18.49	21.04	19.89	21.00	19.90	17.13	14
15	18.34	22.49	21.78	18.42	18.03	18.02	18.50	21.14	19.86	21.12	19.91	17.10	15
16	18.41	23.13	21.72	18.38	18.02	18.01	18.53	NR	19.86	21.23	19.95	17.07	16
17	18.50	22.64	21.38	18.47	18.01	18.00	18.50	NR	19.89	21.12	19.96	NR	17
18	18.43	22.97	21.31	18.45	18.01	17.99	18.48	NR	20.13	21.23	19.58	NR	18
19	18.40	22.57	21.18	18.51	18.04	17.98	18.38	NR	20.14	21.27	19.22	NR	19
20	18.41	22.60	20.80	18.48	18.10	17.97	18.58	NR	20.14	21.27	19.22	NR	20
21	18.31	22.71	20.41	18.46	18.08	17.95	18.80	NR	20.19	21.33	19.14	NR	21
22	18.05	22.35	20.05	18.46	18.06	17.94	18.84	NR	20.39	21.19	19.10	NR	22
23	18.04	22.12	19.57	18.44	18.06	17.93	18.79	NR	20.41	20.89	18.89	NR	23
24	18.04	25.86	19.55	18.48	18.04	17.92	18.77	NR	20.41	20.85	18.47	NR	24
25	18.03	23.32	19.49	18.43	18.05	17.91	18.70	NR	20.40	20.27	18.31	NR	25
26	18.15	22.12	19.48	18.44	18.07	17.90	18.66	NR	19.99	20.24	18.19	NR	26
27	18.34	22.14	19.52	18.44	18.04	18.06	18.90	NR	20.98	20.22	18.12	NR	27
28	18.35	24.17	19.42	18.43	18.03	18.38	19.19	NR	20.95	20.21	18.37	NR	28
29	18.41	21.71	19.39	18.45		18.38	19.26	NR	20.99	20.20	18.42	NR	29
30	18.43	21.12	19.38	18.42		18.20	19.43	19.10	20.94	20.23	18.30	NR	30
31	18.52		19.38	18.41		18.10		19.11		20.21	18.28		31

INSTANTANEOUS MAXIMUM GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
November 24	1100	29.06

REMARKS:

Station located on downstream side of Bend Bridge approximately 6 miles northeast of Red Bluff. Station established beginning of the 1967-68 water year as a radio and telemetry station.

Flow regulated by Shasta Dam since December 30, 1943. Flow affected by upstream diversions. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

Period of record for discharge is not available.
Period of record for gage height is 1978 to present.

The datum for this station from 1966 to present is 266.00, USED.

FOR PERIOD OF RECORD BEGINNING 1978:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	47.50	March 1, 1983	1130

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02700 SACRAMENTO RIVER AT VINA BRIDGE

LOCATION: LAT 39-54-36, LONG 122-05-36, T24N, R02W, SEC. 28, MD B&M TEHAMA COUNTY

DRAINAGE AREA: 10,930 SQ MILE (excluding Goose Lake Basin) HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	65.76	65.72	68.13	66.34	65.62	65.27	65.49	65.80	65.70	67.01	66.48	65.55	1
2	65.75	65.77	67.80	65.97	65.62	65.27	65.56	65.86	65.72	67.11	66.47	65.58	2
3	65.74	66.20	69.51	65.80	65.64	65.26	65.69	65.85	65.66	67.16	66.50	65.59	3
4	65.78	66.06	69.81	65.78	65.61	65.28	65.63	65.84	65.63	67.11	66.57	65.51	4
5	65.80	65.86	69.60	65.74	65.62	65.35	65.55	65.85	65.43	67.12	66.51	65.38	5
6	65.79	65.90	69.62	65.74	65.59	65.40	65.53	65.87	65.50	67.13	66.43	65.26	6
7	65.74	66.02	69.38	65.80	65.68	65.75	65.48	65.85	65.60	67.16	66.51	65.32	7
8	65.57	66.30	69.27	65.99	69.09	66.04	65.41	65.85	65.93	67.21	66.48	65.68	8
9	65.41	66.43	69.16	65.88	68.14	65.68	65.28	65.89	66.07	67.27	66.46	65.97	9
10	65.29	66.24	70.00	66.06	66.71	65.79	65.21	65.86	66.05	67.32	66.51	65.71	10
11	65.73	68.42	72.05	65.89	66.30	66.16	65.19	65.81	66.02	67.09	66.50	65.28	11
12	65.68	69.97	70.20	65.79	66.10	65.80	65.19	65.74	65.96	67.12	66.51	65.20	12
13	65.49	71.94	69.56	65.70	65.73	65.62	65.36	65.70	65.94	67.14	66.52	NR	13
14	65.44	70.54	69.45	65.67	65.45	65.22	65.59	66.25	66.04	67.10	66.51	NR	14
15	65.40	69.70	69.15	65.67	65.37	65.20	65.61	67.18	66.04	67.25	66.49	NR	15
16	65.46	70.31	68.96	65.63	65.34	65.20	65.58	67.21	66.03	67.30	66.56	NR	16
17	65.59	70.22	68.51	65.68	65.29	65.19	65.56	66.70	66.00	67.25	66.60	NR	17
18	65.54	70.30	68.38	65.67	65.26	65.19	65.54	65.46	66.18	67.30	66.55	NR	18
19	65.49	69.98	68.18	65.75	65.36	65.19	65.48	65.68	66.23	67.37	66.08	NR	19
20	65.52	69.61	68.00	65.74	65.48	65.19	65.48	65.72	66.21	67.37	66.05	NR	20
21	65.48	70.32	67.56	65.71	65.44	65.18	65.72	65.67	66.21	67.45	66.02	NR	21
22	65.31	69.48	67.26	65.69	65.42	65.18	65.73	65.58	66.34	67.34	66.01	NR	22
23	65.26	69.26	66.63	65.68	65.39	65.17	65.68	65.55	66.41	67.21	65.96	NR	23
24	65.26	73.45	66.63	65.70	65.37	65.17	65.53	65.51	66.44	67.05	65.67	NR	24
25	65.23	71.45	66.56	65.65	65.35	65.18	65.44	65.76	66.45	66.61	65.60 E	NR	25
26	65.25	69.95	66.55	65.68	65.32	65.22	65.34	65.78	66.25	66.45	NR	NR	26
27	65.52	69.30	66.58	65.67	65.30	65.70	65.35	65.80	66.61	66.40	NR	NR	27
28	65.53	73.00	66.48	65.65	65.24	65.77	65.57	65.73	66.98	66.37	NR	NR	28
29	65.58	69.86	66.43	65.65		65.70	65.67	65.75	66.97	66.38	NR	NR	29
30	65.59	68.72	66.42	65.65		65.58	65.69	65.60	66.99	66.42	65.53 E	NR	30
31	65.61		66.40	65.60		65.49		65.62		66.40	65.53		31

REMARKS:

Station located 250 feet above Vina-Corning Highway bridge, 2.6 miles southwest of Vina.

Flow regulated by Shasta Dam since December 30, 1943. Approximately 190,000 acre-feet diverted from the river between Keswick and Vina in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

The maximum discharge is for the main river channel and does not include water by-passing the station on the left bank.

Period of record for discharge is April 1945 to date.
Period of record for gage height is same as discharge.

Mean daily discharge and peak discharge records, for this station, for the 1984-85 water year are available in the discharge section of this publication.

The datum for this station from 1945 to present is 100.0, USED.
The datum for this station from 1945 to present is 97.1, USCGS.

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02630 SACRAMENTO RIVER AT HAMILTON CITY

LOCATION: LAT 39-45-06, LONG 121-59-48, T22N, R01W, SEC. 20, MD B&M BUTTE COUNTY

DRAINAGE AREA: 11,060 square miles (excluding Goose Lake Basin) HYDROLOGIC AREA: A-13.B0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	29.64	29.62	31.72	30.31	29.69	29.37	29.57	29.38	29.20	30.10	29.69	28.97	1
2	29.65	29.65	31.40	30.08	29.70	29.37	29.62	29.42	29.18	30.17	29.73	29.01	2
3	29.63	29.96	32.60	29.88	29.69	29.36	29.71	29.43	29.17	30.20	29.72	29.03	3
4	29.66	29.96	32.93	29.85	29.69	29.38	29.67	29.40	29.12	30.17	29.78	29.01	4
5	29.69	29.85	32.78	29.82	29.68	29.44	29.56	29.38	28.97	30.17	29.77	28.89	5
6	29.68	29.86	32.81	29.82	29.67	29.50	29.52	29.43	28.93	30.19	29.67	28.79	6
7	29.68	29.98	32.62	29.84	29.72	29.71	29.50	29.40	29.01	30.22	29.73	28.83	7
8	29.52	30.12	32.52	29.99	31.68	30.02	29.44	29.43	29.24	30.25	29.71	29.11	8
9	29.39	30.34	32.39	29.94	32.10	29.77	29.29	29.45	29.42	30.30	29.68	29.51	9
10	29.25	30.12	33.02	30.05	30.69	29.77	29.24	29.44	29.41	30.36	29.72	29.43	10
11	29.52	31.34	34.77	29.95	30.29	30.12	29.16	29.42	29.37	30.18	29.72	29.02	11
12	29.67	32.93	33.41	29.86	30.13	29.88	29.08	29.32	29.28	30.21	29.73	28.94	12
13	29.46	34.34	32.83	29.78	29.88	29.74	29.19	29.31	29.26	30.22	29.72	28.81	13
14	29.39	33.71	32.63	29.75	29.61	29.40	29.40	29.49	29.30	30.19	29.74	28.81	14
15	29.38	32.88	32.50	29.76	29.51	29.28	29.45	30.49	29.33	30.31	29.68	28.67	15
16	29.39	33.03	32.25	29.72	29.46	29.28	29.39	30.49	29.30	30.32	29.77	28.67	16
17	29.51	33.39	31.97	29.75	29.43	29.28	29.38	30.36	29.31	30.33	29.80	28.68	17
18	29.50	33.15	31.85	29.74	29.40	29.26	29.35	29.16	29.39	30.32	29.83	28.45	18
19	29.45	33.09	31.69	29.79	29.43	29.25	29.30	29.30	29.48	30.39	29.47	28.53	19
20	29.46	32.64	31.59	29.80	29.56	29.24	29.22	29.30	29.46	30.39	29.40	28.62	20
21	29.45	33.31	31.25	29.78	29.54	29.20	29.42	29.26	29.47	30.46	29.36	28.60	21
22	29.31	32.67	31.08	29.76	29.52	29.13	29.46	29.16	29.52	30.43	29.33	28.43	22
23	29.16	32.48	30.56	29.76	29.49	29.06	29.41	29.14	29.63	30.36	29.32	28.39	23
24	29.16	35.44	30.52	29.76	29.48	29.08	29.27	29.05	29.66	30.21	29.10	28.37	24
25	29.11	34.95	30.48	29.73	29.46	29.19	29.15	29.25	29.66	29.94	28.97	28.43	25
26	29.10	33.21	30.46	29.74	29.43	29.20	29.05	29.31	29.63	29.74	28.85	28.55	26
27	29.37	32.31	30.48	29.74	29.41	29.70	29.03	29.33	29.60	29.68	28.78	28.57	27
28	29.42	35.75	30.41	29.73	29.36	29.76	29.17	29.29	30.06	29.64	28.78	28.60	28
29	29.46	33.32	30.37	29.72		29.76	29.30	29.28	30.05	29.67	28.99	28.62	29
30	29.51	32.18	30.35	29.72		29.65	29.28	29.13	30.10	29.68	28.98	28.65	30
31	29.51		30.34	29.70		29.60		29.11		29.69	28.94		31

REMARKS:

Station located at Gianella Bridge, State Highway 32, 1.0 mile northeast of Hamilton City.

Flow regulated by Shasta Dam since December 30, 1943. Approximately 950,000 acre-feet diverted from the river between Keswick and Hamilton City in addition to diversions from the tributaries. Transbasin diversions from the Trinity River Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

Prior to regulation by Shasta Lake, the Maximum discharge was 350,000E CFS at stage 22.60 feet on February 28, 1940. Zero of gage = 127.9, USED in 1940. 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.

Period of record for discharge is Spring 1945 to date. Period of record for gage height is 1927 to date.

Mean daily discharge and peak discharge records, for this staton, for the 1984-85 water year are available in the discharge section of this publicaton.

The datum for this station from 1927 to 1945 is 127.9, USED.
The datum for this station from 1945 to present is 100.0 USED or 96.5 USCGS.

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02570 SACRAMENTO RIVER AT ORD FERRY

LOCATION: LAT 39-37-42, LONG 121-59-30, T21N, R01W, SEC. 19, MD B&M GLENN COUNTY

DRAINAGE AREA: 12480 square miles (excluding Goose Lake Basin) HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	47.49	47.45	50.89	48.52	47.60	47.17	47.47	47.06	46.80	48.03	47.48	46.48	1
2	47.55	47.49	50.40	48.28	47.63	47.15	47.50	47.16	46.80	48.09	47.52	46.53	2
3	47.52	47.84	51.48	47.95	47.60	47.15	47.60	47.17	46.83	48.14	47.54	46.56	3
4	47.53	47.99	51.99	47.89	47.60	47.17	47.59	47.13	46.73	48.15	47.60	46.58	4
5	47.58	47.82	51.73	47.84	47.59	47.25	47.45	47.11	46.59	48.11	47.61	46.43	5
6	47.58	47.82	51.62	47.82	47.59	47.34	47.38	47.15	46.43	48.15	47.51	46.30	6
7	47.59	47.91	51.40	47.84	47.64	47.54	47.33	47.13	46.57	48.17	47.53	46.28	7
8	47.40	48.11	51.24	48.00	49.30	47.99	47.28	47.14	46.76	48.24	47.52	46.60	8
9	47.23	48.46	51.08	48.00	51.35	47.78	47.09	47.18	47.10	48.29	47.49	47.18	9
10	47.05	48.23	51.59	48.06	49.22	47.68	46.96	47.19	47.10	48.38	47.54	47.27	10
11	47.22	49.25	53.35	48.03	48.58	48.22	46.90	47.18	47.04	48.20	47.54	46.69	11
12	47.63	51.48	52.46	47.91	48.32	47.98	46.75	47.03	46.93	48.20	47.56	46.53	12
13	47.31	52.72	51.69	47.76	48.04	47.74	46.84	47.01	46.90	48.20	47.54	46.35	13
14	47.19	52.76	51.47	47.71	47.63	47.34	47.11	46.98	46.90	48.19	47.59	46.33	14
15	47.17	51.70	51.43	47.72	47.44	47.10	47.22	48.46	46.97	48.28	47.51	46.20	15
16	47.17	51.52	51.18	47.69	47.37	47.08	47.16	48.50	46.92	48.34	47.60	46.10	16
17	47.33	52.28	50.89	47.66	47.31	47.06	47.16	48.55	46.97	48.38	47.67	46.15	17
18	47.35	51.74	50.58	47.71	47.26	47.02	47.09	47.06	46.99	48.32	47.73	45.90	18
19	47.28	51.89	50.38	47.73	47.23	47.03	47.03	46.99	47.17	48.43	47.34	45.86	19
20	47.26	51.28	50.25	47.76	47.42	46.99	46.92	46.99	47.14	48.43	47.11	46.03	20
21	47.26	52.00	49.84	47.74	47.42	46.93	47.11	46.95	47.17	48.49	47.07	46.02	21
22	47.15	51.39	49.60	47.71	47.38	46.84	47.22	46.82	47.19	48.54	46.99	45.86	22
23	46.92	51.09	49.03	47.71	47.34	46.76	47.20	46.79	47.36	48.46	47.01	45.73	23
24	46.85	53.36	48.87	47.70	47.33	46.75	47.00	46.68	47.42	48.20	46.76	45.73	24
25	46.81	54.66	48.80	47.69	47.30	46.87	46.86	46.83	47.41	47.98	46.54	45.74	25
26	46.80	52.12	48.72	47.66	47.25	46.93	46.70	46.97	47.48	47.58	46.39	45.92	26
27	47.05	51.03	48.72	47.68	47.23	47.64	46.66	46.98	47.21	47.49	46.30	45.94	27
28	47.20	54.23	48.67	47.67	47.16	47.67	46.80	46.97	47.89	47.42	46.22	45.97	28
29	47.24	50.12	48.59	47.65		47.72	46.98	46.95	47.93	47.46	46.46	46.01	29
30	47.33	49.80	48.57	47.65		47.61	46.95	46.78	48.01	47.50	46.52	46.08	30
31	47.35		48.53	47.63		47.51		46.72		47.49	46.46		31

REMARKS:

Station located 0.1 miles below Ord Ferry.

Flow regulated by Shasta Dam 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 Whiskeytown Reservoir via Judge Frances Carr Powerplant began in April 1963.

Prior to regulation by Shasta Lake, the maximum discharge was 370,000E CFS at stage 121.70 ft on February 28, 1940. Zero of gage = 0.00, USED in 1940. Records of flows in excess of 70,000 CFS are not reliable due to an undetermined amount of water by-passing the station via Butte Basin.

Period of record for discharge is January 1948 to date. Period of record for gage height is 1921 to May 1927 (flood season only), February 1937 to May 1937, October 1937 to May 1939, November 1939 to May 1941, November 1941 to date.

Mean daily discharge and peak discharge records, for this station, for the 1984-85 water year are available in the discharge section of this publication.

The datum for this station from 1937 to 1960 is 0.00, USED.
The datum for this station from 1960 to present is 50.00, USED.

E = Estimated. NR = No record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A024450 SACRAMENTO RIVER AT MOULTON WEIR

LOCATION: LAT 39-20-18, LONG 122-01-18, T17N, R02W, SEC. 12, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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

GAGE HEIGHT DID NOT EXCEED CREST OF WEIR (76.75)
FOR THE ENTIRE WATER YEAR

INSTANTANEOUS MAXIMUM GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
Not applicable		

REMARKS:

Station located west of south end of weir, 4.6 miles south of Princeton.

Gage heights below weir crest (elevation 76.75) are not indicative of flow over weir.

Discharge records for flow over Moulton Weir are available in this publication as station A02986, Moulton Weir Spill to Butte Basin near Colusa.

Period of record for gage height is January 1935 to date (flood season only).

The datum for this station from 1935 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1935:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	83.8	February 7, 1942	NR

E = Estimated. NR = No record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02450 SACRAMENTO RIVER OPPOSITE MOULTON WEIR

LOCATION: LAT 39-20-13, LONG 122-01-50, T17N, R2W, SEC. 12 MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	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
				DATA INSUFFICIENT TO COMPUTE GAGE HEIGHT									
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

INSTANTANEOUS MAXIMUM GAGE HEIGHT , 1984-85

DATE	TIME	G.H.
	NR	

REMARKS:

Station located immediately west of weir, 4.8 miles south of Princeton.

Period of record for discharge is March 1954 to September 1969. Period of record for gage height is 1915 to February 8, 1984 and October 1, 1986 to date.

The datum for this station from 1915 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1957:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	83.04	December 24, 1964	1000

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02430 SACRAMENTO RIVER AT COLUSA WEIR

LOCATION: LAT 39-14-07, LONG 121-59-50, T16N, R1W, SEC. 17, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.D0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5													5
6													6
7													7
8	N		N	N	N	N	N	N	N	N	N	N	8
9													9
10	O		O	O	O	O	O	O	O	O	O	O	10
11													11
12													12
13													13
14													14
15	R		R	R	R	R	R	R	R	R	R	R	15
16	E		E	E	E	E	E	E	E	E	E	E	16
17													17
18	C		C	C	C	C	C	C	C	C	C	C	18
19													19
20	O		O	O	O	O	O	O	O	O	O	O	20
21	R		R	R	R	R	R	R	R	R	R	R	21
22													22
23	D		D	D	D	D	D	D	D	D	D	D	23
24													24
25		63.02 A											25
26		62.16 A											26
27													27
28		61.88 A											28
29		62.34 A											29
30													30
31													31

INSTANTANEOUS MAXIMUM GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
November 25	1245	63.41

REMARKS:

Station located at north end of weir, 2.0 miles north of Colusa.

Gage heights below weir crest (elevation 61.80 feet) are not indicative of flow over weir.

Discharge records are available in this publication as station A02981, Colusa Weir Spill to Butte Basin.

Period of record for gage height is 1935 to date.

The datum for this station from 1935 to present is 0.00, USED.

FOR PERIOD OF RECORD BEGINNING 1940:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	70.6	March 1, 1940	NA

A = Mean gage height for period of flow.

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02301 SACRAMENTO RIVER AT TISDALE WEIR

LOCATION: LAT 39-01-38, LONG 121-49-16, T14N, R1E, SEC 35, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1													1
2													2
3													3
4													4
5			45.50A										5
6													6
7													7
8	N			N	N	N	N	N	N	N	N	N	8
9													9
10	O			O	O	O	O	O	O	O	O	O	10
11			45.86A										11
12			46.94										12
13			46.40										13
14		46.40A	45.71A										14
15	R	46.04		R	R	R	R	R	R	R	R	R	15
16	E	45.47A		E	E	E	E	E	E	E	E	E	16
17		45.48A											17
18	C	45.58A		C	C	C	C	C	C	C	C	C	18
19													19
20	O			O	O	O	O	O	O	O	O	O	20
21	R			R	R	R	R	R	R	R	R	R	21
22													22
23	D			D	D	D	D	D	D	D	D	D	23
24													24
25		47.36A											25
26		47.27											26
27		46.15A											27
28		46.26A											28
29		47.42											29
30		46.42A											30
31													31

INSTANTANEOUS MAXIMUM GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
NR		

REMARKS:

Station located west of north end of weir, 5.0 miles southeast of Grimes.

Gage heights below weir crest (elevation 45.45 feet) are not indicative of flow over weir.

Discharge records are available as station A02960, Tisdale Weir Spill to Sutter Bypass.

Period of record for gage height is January 1935 to date (flood season only).

The datum for this station from 1935 to present is 0.00, USED.

FOR PERIOD OF RECORD FOR GAGE HEIGHT FROM 1935:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	53.3	March 1, 1940	NA

A = Mean gage height for period of flow.

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02976 COLUSA BASIN DRAIN AT HIGHWAY 20

LOCATION: LAT 39-11-42, LONG 122-03-36, T16N, R02W, SEC. 34, MD B&M COLUSA COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.B1

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	39.90	39.97	42.61	38.85	38.23	38.53	38.64	39.78	44.17	43.17	44.55	45.56	1
2	39.79	40.03	41.97	38.83	38.13	38.46	39.16	39.99	43.69	43.29	44.67	45.62	2
3	39.57	39.85	44.60	38.66	38.12	38.33	38.79	39.92	43.18	43.27	44.54	45.93	3
4	39.47	39.64	45.91	38.55	38.08	38.28	38.70	40.28	42.81	43.59	44.55	46.42	4
5	39.51	39.62	45.01	38.35	38.02	38.18	38.65	40.53	42.65	43.77	44.40	46.44	5
6	39.91	39.64	43.98	38.34	38.03	38.37	38.77	40.78	42.42	43.72	44.40	46.44	6
7	39.95	39.89	42.68	38.61	38.03	38.69	39.01	41.26	41.67	43.66	44.39	46.54	7
8	39.97	40.28	41.84	38.94	39.17	39.09	39.92	41.41	41.35	43.81	44.24	47.02	8
9	39.59	40.12	41.29	38.94	38.92	38.52	39.14	42.32	41.22	43.77	44.26	48.14	9
10	39.30	40.14	42.65	38.80	38.41	38.39	39.70	42.83	41.32	43.60	44.18	48.80	10
11	39.65	41.68	44.74	38.74	38.24	38.91	40.98	43.10	40.74	43.59	44.22	48.84	11
12	40.01	42.27	43.79	39.07	38.16	38.79	39.66	43.51	40.16	44.07	44.14	48.46	12
13	39.63	45.06	42.37	39.81	38.12	38.51	39.89	44.29	40.63	44.29	44.04	47.60	13
14	39.16	46.28	41.54	40.07	38.09	38.35	40.14	44.80	40.15	44.65	44.10	46.46	14
15	39.07	45.69	40.92	40.60	38.09	38.42	40.18	44.75	39.58	44.41	44.03	45.03	15
16	38.66	46.55	40.64	40.24	38.09	38.28	40.39	44.34	39.42	44.07	44.20	43.95	16
17	38.78	47.63	40.31	40.10	38.07	38.46	41.14	43.77	39.58	43.94	44.37	43.64	17
18	38.84	47.05	39.97	39.62	38.10	38.42	41.22	44.05	39.91	44.03	44.88	43.15	18
19	39.03	46.02	39.88	39.30	38.07	38.31	40.86	44.24	40.59	44.20	45.40	42.41	19
20	39.53	44.68	39.65	39.27	38.08	38.23	40.34	44.33	41.92	44.25	45.46	41.81	20
21	39.48	45.39	39.48	39.18	38.06	38.43	40.61	44.58	42.45	44.42	45.37	41.33	21
22	39.53	44.63	39.26	39.44	38.02	38.21	40.86	44.54	42.64	44.89	45.35	41.47	22
23	39.53	43.12	39.19	39.19	38.09	38.07	40.92	44.12	42.99	44.91	45.45	41.33	23
24	39.65	44.17	39.13	39.04	38.12	38.15	40.25	44.01	43.13	44.63	45.54	40.96	24
25	39.81	45.89	39.07	38.83	38.08	38.11	39.86	44.19	42.64	44.20	45.47	40.74	25
26	39.74	44.96	39.05	38.58	38.47	38.15	40.29	43.89	42.14	44.06	45.25	41.01	26
27	39.89	43.56	39.02	38.45	38.13	38.79	39.33	43.95	42.19	44.05	45.56	41.01	27
28	39.84	45.38	38.98	38.44	38.18	38.56	38.55	44.03	42.46	44.36	45.44	40.81	28
29	40.05	45.22	38.94	38.39		38.43	38.52	44.52	42.95	44.41	45.46	40.72	29
30	40.01	43.62	38.95	38.41		38.39	38.18	44.63	43.22	44.41	45.70	40.67	30
31	39.92		38.92	38.31		38.33		44.55		44.43	45.64		31

REMARKS:

Station located on the downstream side of the State Highway 20 bridge, 3.0 miles west of Colusa.

Stage-discharge relationship affected by backwater conditions created by downstream diversion structures.

Station moved from the upstream side of the bridge on June 14, 1979 to its present location.

Period of record for discharge is June 1924 to December 1940 (irrigation season only), May 1941 to date. Period of record for gage height is same as discharge.

Mean daily discharge and peak discharge records, for this station, for the 1984-85 water year are available in the discharge section of this publication.

The datum for this station from 1957 to present is 0.0, USED. Prior to 1957, the datum was 37.09, USED.

E = Estimated. NR = No record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02945 COLUSA BASIN DRAIN AT KNIGHTS LANDING

LOCATION: LAT 38-48-06, LONG 121-43-18, T11N, R02E, SEC. 14, MD B&M YOLO COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.DO

WATER YEAR OCTOBER 1984 theough SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	23.27	23.60	27.61	22.37	22.18	22.64	23.07	23.70	25.08	24.93	24.81	24.55	1
2	22.55	23.80	27.28	22.28	22.13	22.77	23.08	24.12	24.83	24.66	24.84	24.62	2
3	22.34	24.10	27.29	22.25	22.00	23.00	23.09	24.60	24.53	24.96	24.73	24.66	3
4	22.54	23.75	27.86	22.07	21.92	23.06	23.06	24.38	24.65	24.69	24.63	24.87	4
5	22.54	22.90	28.02	21.95	21.95	23.06	23.00	24.15	24.85	24.87	24.81	25.25	5
6	22.56	21.90	27.87	22.41	22.59	23.07	22.93	24.11	24.71	25.02	24.89	25.48	6
7	22.73	21.62	27.58	22.76	23.06	23.08	22.89	24.78	24.42	25.07	24.84	25.58	7
8	22.85	21.71	27.22	23.03	23.53	23.09	23.01	25.27	24.64	25.02	24.80	25.62	8
9	22.92	21.96	26.92	23.04	24.32	23.09	23.14	24.74	24.84	24.78	24.64	25.88	9
10	22.81	22.04	26.77	23.05	25.27	23.09	23.04	24.59	24.67	24.68	24.40	26.24	10
11	22.74	22.27	27.20	23.05	25.43	23.08	23.14	24.50	24.78	24.79	24.27	26.29	11
12	22.56	23.08	27.56	23.05	24.77	23.08	23.69	24.69	24.85	24.86	24.32	26.36	12
13	21.89	25.61	27.33	23.05	23.89	23.07	23.61	24.93	24.67	24.94	24.36	26.49	13
14	21.54	27.69	26.93	23.05	23.18	23.07	23.55	24.97	24.83	25.14	24.41	26.44	14
15	21.22	28.11	26.73	23.07	23.07	23.08	23.59	25.10	24.53	25.11	24.40	26.21	15
16	21.01	28.21	26.52	23.19	23.07	23.08	23.68	24.94	24.65	24.85	24.42	25.55	16
17	20.88	28.39	26.36	23.57	23.07	23.08	23.88	24.75	24.78	24.73	24.42	24.74	17
18	20.84	28.56	26.21	23.79	23.06	23.08	24.22	24.87	24.79	24.73	24.48	24.31	18
19	20.85	28.65	26.11	23.22	23.07	23.08	24.45	25.05	24.65	24.74	24.68	24.02	19
20	20.94	28.56	26.03	23.05	23.04	23.07	24.47	25.05	24.80	24.60	24.74	23.20	20
21	21.15	28.40	25.95	23.05	23.03	23.08	24.26	24.79	24.95	24.92	25.00	22.76	21
22	21.19	28.27	25.88	23.06	23.01	23.06	24.22	24.76	24.96	24.93	24.77	22.46	22
23	21.24	27.95	25.56	23.04	23.00	23.04	24.27	24.80	25.17	24.93	24.39	22.34	23
24	21.27	27.65	24.97	22.99	23.01	23.06	24.24	24.72	25.04	24.90	24.31	22.23	24
25	21.29	27.88	24.19	22.92	23.04	23.06	24.04	24.70	24.48	24.73	24.34	22.08	25
26	21.69	28.06	23.74	23.01	22.97	23.01	23.86	24.85	24.77	24.76	24.23	21.96	26
27	22.38	27.90	23.48	22.97	23.02	23.08	23.72	24.92	24.74	24.90	24.10	22.02	27
28	22.65	28.03	23.16	22.79	22.79	23.08	23.23	24.87	24.70	24.90	24.13	21.99	28
29	22.77	28.15	22.99	22.46		23.08	23.02	24.96	24.77	24.91	24.17	21.92	29
30	22.90	28.01	22.71	22.20		23.08	23.57	25.12	25.07	24.84	24.35	21.86	30
31	23.25		22.50	22.21		23.08		25.16		24.73	24.45		31

REMARKS:

Station located at Knights Landing Outfall Gates, 0.3 miles west of Knights Landing. Tributary to Sacramento River.

Flow regulated by outfall gates.

Period of record for discharge is May 1924 to October 1939 (irrigation season only), January 1940 to date. Period of record for gage height is same discharge.

Mean daily discharge and peak discharge records, for this station, for the 1984-85 water year are available in the discharge section of this publication.

The datum for this station from 1924 to present is 0.0, USED.

E = Estimated. NR = No record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02200 SACRAMENTO RIVER AT KNIGHTS LANDING

LOCATION: LAT 38-48-12, LONG 121-42-54, T11N, R02E, SEC. 14, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	18.82	17.80	29.93	21.81	19.21	18.39	19.26	14.90	18.14	18.24	17.91	NR	1
2	18.90	18.03	28.66	21.73	19.12	18.26	19.00	14.95	18.12	18.34	17.91	NR	2
3	18.74	18.38	27.82	21.59	19.10	18.12	18.88	15.32	18.11	18.46	17.99	NR	3
4	18.60	18.85	28.46	21.06	19.08	18.05	18.89	15.74	17.80	18.83	17.98	NR	4
5	18.51	19.47	29.89	20.67	19.13	17.98	18.77	15.85	17.16	18.87	17.97	NR	5
6	18.58	19.37	29.98	20.29	18.98	18.06	18.48	15.87	16.98	18.80	17.95	NR	6
7	18.72	19.17	29.70	20.21	18.95	18.39	18.30	15.64	16.25	18.72	17.85	NR	7
8	18.74	19.32	29.33	20.29	19.37	19.09	18.24	15.79	15.69	18.79	17.73	NR	8
9	18.53	19.71	28.86	20.54	23.95	19.77	18.12	16.12	15.70	18.87	17.74	NR	9
10	18.10	20.38	28.57	20.72	27.31	19.85	17.76	16.31	16.25	18.86	17.84	NR	10
11	17.73	20.69	28.88	20.69	25.32	19.72	17.24	16.53	16.49	18.87	17.83	NR	11
12	17.76	21.64	30.60	20.75	23.42	20.36	16.95	16.56	16.46	18.95	17.84	NR	12
13	18.50	25.14	30.94	20.52	22.14	20.44	16.69	16.64	16.19	18.87	17.79	NR	13
14	18.34	27.95	30.32	20.42	21.18	19.87	16.45	16.79	15.72	19.01	17.76	NR	14
15	17.86	29.25	29.63	20.29	20.12	19.11	16.78	17.01	15.47	19.29	17.82	NR	15
16	17.60	28.82	29.24	20.32	19.38	18.27	17.20	18.63	15.23	19.38	17.85	NR	16
17	17.48	28.22	28.87	20.19	19.02	17.89	17.30	19.77	15.27	19.55	17.92	NR	17
18	17.51	28.96	28.33	20.10	18.84	17.81	17.37	19.95	15.26	19.66	18.14	NR	18
19	17.66	28.80	27.55	20.26	18.67	17.73	17.38	18.78	15.46	19.68	18.46	NR	19
20	17.62	28.89	26.93	19.96	18.66	17.69	17.22	17.36	15.63	19.82	18.40	NR	20
21	17.62	28.39	26.44	20.01	18.93	17.56	16.99	17.25	15.98	19.83	17.70	NR	21
22	17.58	28.63	25.78	19.87	19.10	17.36	16.95	17.28	16.21	20.07	NR	NR	22
23	17.47	28.51	25.09	19.76	19.08	17.22	17.17	17.14	16.24	20.25	NR	NR	23
24	17.06	27.91	24.37	19.62	18.98	17.03	17.03	17.10	16.72	20.23	NR	NR	24
25	16.80	29.48	23.58	19.52	18.94	16.93	16.62	17.23	17.04	20.01	NR	NR	25
26	16.69	31.00	23.18	19.44	18.89	16.96	16.25	17.23	16.81	19.49	NR	NR	26
27	16.75	30.48	22.93	19.33	18.85	17.62	15.76	17.54	16.77	18.74	NR	NR	27
28	16.94	29.67	22.60	19.31	18.67	18.66	15.18	17.76	16.47	18.29	NR	NR	28
29	17.38	31.12	22.46	19.29		19.54	14.76	17.96	17.06	18.11	NR	NR	29
30	17.56	31.13	22.14	19.31		19.78	14.85	18.15	17.73	17.96	NR	NR	30
31	17.68		21.94	19.22		19.66		18.24		17.94	NR		31

INSTANTANEOUS MAXIMUN GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
November 1	1945	31.45

REMARKS:

Station located just above the Southern Pacific Railroad bridge, 13.1 miles above Feather River immediately northeast of Knights Landing.

Station affected by backwater from Feather River and Sutter Bypass during periods of high flow.

Currently maintained by the Department since October 1983 as a stage only station. Formerly operated by the USGS (USGS station number 11391000) as a discharge station from 1921 to 1980.

Period of record for discharge is April 1921 to October 1939 (low water periods only), June 1940 to September 1980. Period of record for gage height is October 1983 to date.

The datum for this station from 1919 to present is -3.02, USCGS.

FOR PERIOD OF RECORD BEGINNING 1921:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	41.83	February 8, 1942	NA

E = Estimated. NR = No record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02972 BUTTE SLOUGH NEAR MERIDIAN

LOCATION: LAT 39-10-05, LONG 121-53-28, T15N, R01E, SEC. 06, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	40.77	42.15	48.21	43.14	41.57	40.67	41.73	41.51	43.01	42.43	44.27	45.71	1
2	40.87	41.61	48.09	43.15	41.45	40.89	41.70	41.69	42.97	42.45	44.29	45.66	2
3	40.82	40.76	47.94	42.86	41.43	40.53	41.92	41.91	42.71	42.63	44.00	45.67	3
4	40.81	41.25	47.81	42.45	41.44	40.49	42.05	42.35	42.25	43.04	43.56	45.79	4
5	40.87	41.50	47.71	42.32	41.35	40.54	41.93	42.17	42.15	43.16	43.40	45.90	5
6	40.90	41.20	47.58	42.30	41.31	40.75	41.79	41.91	42.12	43.24	43.18	45.95	6
7	40.93	41.14	47.39	42.32	41.25	41.24	41.66	41.80	42.73	43.20	43.18	45.96	7
8	40.96	41.48	47.07	42.47	41.51	41.66	41.78	41.88	42.42	43.27	43.33	46.02	8
9	40.99	42.01	46.76	42.77	44.26	42.15	42.10	41.76	41.96	43.02	43.40	46.40	9
10	40.99	42.62	46.50	42.89	46.53	41.98	42.01	41.57	42.18	42.66	43.41	46.90	10
11	40.97	42.89	46.53	42.95	45.87	41.96	41.77	41.54	42.06	42.52	43.49	47.11	11
12	41.05	45.13	46.66	42.86	44.64	42.61	41.32	41.56	41.88	42.62	43.52	47.18	12
13	41.16	47.11	46.61	42.83	43.82	42.58	41.55	42.05	41.80	42.96	43.53	47.19	13
14	41.13	47.50	46.45	42.65	43.12	41.85	42.66	42.60	41.72	43.39	43.61	47.06	14
15	41.03	47.67	46.21	42.81	42.47	41.21	42.89	42.80	41.74	43.79	43.73	46.84	15
16	40.88	47.74	46.01	43.08	41.99	41.43	42.90	43.07	42.20	44.14	43.79	46.60	16
17	40.88	47.72	46.51	43.09	41.82	41.42	42.67	42.73	42.17	44.07	44.24	45.86	17
18	40.76	47.76	46.48	42.94	41.66	41.42	42.01	42.57	41.65	43.85	44.69	45.08	18
19	40.90	47.77	46.22	42.76	41.50	41.41	41.94	41.95	41.22	43.67	45.10	44.60	19
20	41.31	47.77	45.99	42.62	41.53	41.41	42.05	42.52	41.29	43.43	45.76	44.33	20
21	41.72	47.78	45.80	42.50	41.48	41.63	42.16	42.82	41.57	43.49	46.06	43.95	21
22	41.99	47.72	45.32	42.43	41.34	42.19	42.30	42.98	41.79	43.70	46.01	43.56	22
23	42.21	47.66	44.87	42.31	41.22	42.18	42.44	43.30	41.70	44.00	45.91	43.31	23
24	42.50	47.59	44.61	42.25	41.11	41.92	42.04	43.18	42.13	44.14	45.93	42.78	24
25	42.67	47.69	44.35	42.12	41.10	42.23	41.40	43.02	42.88	44.26	45.89	42.10	25
26	42.43	48.03	44.15	42.04	40.96	42.70	41.27	42.96	43.04	44.29	45.73	41.36	26
27	41.85	48.09	43.87	41.93	40.89	41.48	41.56	42.94	42.81	44.26	45.42	40.96	27
28	41.68	48.16	43.75	41.88	40.78	42.55	41.45	42.79	42.64	44.24	45.27	41.07	28
29	41.74	48.19	43.59	41.83		42.49	41.45	42.88	42.42	44.31	45.22	41.22	29
30	41.84	48.24	43.35	41.77		42.32	41.50	43.09	42.37	44.35	45.39	41.27	30
31	41.95		43.21	41.71		41.97		43.01		44.31	45.61		31

REMARKS:

Station located on right bank 0.5 miles upstream from Farmlan Road 1.7 miles northeast of Meridian. Tributary to Sutter Bypass.

Stage-discharge relationship affected by backwater conditions created by downstream diversion structures. Flow during summer months is made up almost entirely of return water from lands irrigatedby 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.

Period of record for discharge is January 1939 to date. Period of record for gage height is November 1934 to May 1937 (flood season only), October 1937 to date.

Mean daily discharge and peak discharge records, for this station, for the 1984-85 water year are available in the discharge section of this publication.

The datum for this station from 1934 to present is 0.0, USED.

E = Estimated. NR = No record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A05929 WADSWORTH CANAL NEAR SUTTER (upper station)

LOCATION: LAT 39-09-12, LONG 121-44-00, T15N, R02E, SEC. 15, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.C0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	NR	39.75	40.00	39.01	38.73	38.50	40.70	39.04	40.72	39.72	39.72	41.19	1
2	NR	39.10	39.87	38.97	38.72	38.63	NR	39.69	40.61	39.45	39.59	41.24	2
3	NR	38.68	40.56	38.94	38.71	38.61	40.19	39.87	40.85	39.52	39.71	41.42	3
4	40.26	38.56	40.25	38.97	38.71	38.15	40.08	40.26	40.77	39.54	39.68	41.54	4
5	40.41	38.66	40.00	38.94	38.69	38.48	40.03	40.00	40.55	39.25	39.50	41.69	5
6	40.26	38.65	39.85	38.95	38.69	38.11	40.25	39.88	40.36	39.01	39.38	41.58	6
7	40.27	38.61	39.70	38.97	38.73	38.66	40.31	39.51	39.98	39.21	39.74	41.52	7
8	40.33	38.72	39.57	38.96	40.24	39.56	40.18	39.38	40.37	39.30	39.69	41.86	8
9	40.25	38.66	39.50	38.95	39.98	40.36	40.01	39.97	40.24	38.80	39.76	42.18	9
10	40.33	38.64	39.70	38.94	39.51	40.55	40.32	39.98	39.84	38.74	39.78	42.42	10
11	40.49	38.86	39.77	38.91	39.35	40.51	39.84	39.56	39.30	39.23	39.56	42.18	11
12	40.45	39.15	39.67	38.89	39.24	39.89	40.04	39.75	39.18	39.35	39.52	41.73	12
13	40.30	39.55	39.57	38.94	39.16	39.75	40.46	39.96	38.91	39.51	39.66	41.59	13
14	40.28	39.33	39.49	38.95	39.09	39.95	40.98	39.95	38.71	39.97	40.11	41.42	14
15	40.31	39.07	39.74	38.91	39.05	40.12	40.76	40.19	39.01	39.93	40.22	41.21	15
16	40.28	39.18	40.00	38.86	39.02	40.12	40.08	39.84	39.19	39.83	40.14	41.02	16
17	40.12	39.26	39.71	38.84	38.99	40.25	40.37	39.66	39.35	39.69	39.84	40.85	17
18	40.29	39.81	39.61	38.85	38.96	40.32	40.32	40.55	38.89	39.73	40.10	40.79	18
19	40.25	39.50	39.58	38.83	38.94	40.16	40.49	40.88	38.58	39.82	40.34	40.79	19
20	39.98	39.43	39.44	38.81	38.89	39.91	40.59	40.74	38.58	39.46	40.38	40.62	20
21	39.97	39.60	39.35	38.89	38.84	39.75	40.68	40.80	38.90	39.54	40.44	40.37	21
22	39.96	39.41	39.32	38.94	38.84	39.84	40.25	40.69	39.66	39.76	40.47	40.22	22
23	40.12	39.26	39.25	38.88	38.81	40.40	39.92	40.66	39.71	39.56	40.38	40.11	23
24	40.07	40.70	39.25	38.83	38.79	40.56	39.95	41.22	39.60	39.59	40.77	40.05	24
25	39.97	40.40	39.20	38.80	38.76	40.48	40.26	40.84	39.50	39.50	40.63	40.16	25
26	39.96	39.96	39.17	38.79	38.75	40.50	40.46	40.89	39.61	39.51	41.01	40.22	26
27	39.92	40.27	39.14	38.75	38.64	41.33	40.19	41.08	39.53	39.35	41.04	40.22	27
28	39.99	41.99	39.11	38.73	38.71	40.99	39.46	40.93	39.55	39.48	41.02	40.25	28
29	40.07	40.81	39.07	38.75		41.00	38.84	40.64	39.60	39.64	40.95	40.31	29
30	40.05	40.24	39.04	38.75		41.14	39.21	40.61	39.85	39.68	41.04	40.28	30
31	40.17		39.03	38.74		41.10		40.60		39.76	41.08		31

REMARKS:

Station located at South Butte Road bridge, 0.9 miles east of Sutter. Tributary to Sutter Bypass.

This station and one 2.2 miles 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. Stage-discharge relationship affected by backwater conditions created by downstream diversion structures.

Records from January 1939 to March 1961 previously published as Wadsworth Canal at Butte House Road. Period of record for discharge is March 1961 to date. Period of record for gage height is same as discharge.

Mean daily discharge and peak discharge records, for this station, for the 1984-1985 water year are available in the discharge section of this publication.

The datum for this station from 1961 to present is 0.00, USED.

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: A02927 SUTTER BYPASS AT RECLAMATION DISTRICT 1500 PUMPING PLANT

LOCATION: LAT 38-47-06, LONG 121-39-12, T11N, R03E, SEC. 20, MD B&M SUTTER COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: A-07.A0

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	15.09	13.85	26.47	17.33	14.61	14.43	15.38	12.42	16.11	14.87	15.60	15.88	1
2	15.13	14.25	25.56	17.26	14.63	14.21	15.00	12.63	16.02	15.07	15.61	15.90	2
3	14.76	14.49	24.65	17.15	14.76	14.03	14.83	13.06	15.85	15.22	15.60	15.85	3
4	14.46	14.47	24.21	16.81	14.68	13.95	14.82	13.46	15.68	15.46	15.52	15.85	4
5	14.27	14.66	24.62	16.43	14.81	13.73	14.73	13.61	15.28	15.38	15.44	15.79	5
6	14.28	14.67	24.83	15.98	14.76	13.74	14.51	13.64	14.93	15.29	15.34	15.95	6
7	14.61	14.65	24.67	15.88	14.67	14.24	14.28	13.36	14.44	15.17	15.16	16.47	7
8	14.58	14.82	24.34	15.98	15.65	15.36	14.21	13.34	14.07	15.16	15.06	16.08	8
9	14.60	15.24	23.91	16.17	21.38	15.60	14.31	13.42	13.78	15.19	15.06	16.30	9
10	14.34	15.65	23.51	16.46	22.68	15.62	14.18	13.51	14.19	15.12	15.11	16.91	10
11	14.18	16.00	23.50	16.35	21.02	16.00	13.66	13.71	14.32	15.06	15.11	17.38	11
12	14.01	16.62	24.31	16.27	19.17	16.50	13.35	13.85	14.27	15.12	15.14	17.43	12
13	14.42	18.84	25.20	16.10	17.82	16.21	13.23	14.06	14.05	15.17	15.19	17.13	13
14	14.51	21.19	25.21	16.06	16.83	15.64	13.21	14.28	13.67	15.39	15.17	16.93	14
15	14.18	22.69	24.57	15.92	15.92	15.01	13.59	14.61	13.34	15.74	15.19	16.69	15
16	13.87	22.85	24.07	15.89	15.21	14.30	14.11	15.28	13.26	15.98	15.33	16.33	16
17	13.64	22.40	23.72	15.74	14.94	13.96	14.23	15.88	13.35	16.33	15.50	16.11	17
18	13.52	22.70	23.24	15.66	14.72	13.87	14.15	15.95	13.50	16.37	15.64	15.82	18
19	13.57	22.83	22.64	15.67	14.59	13.76	14.23	15.31	13.56	16.49	15.88	15.31	19
20	13.57	22.91	22.12	15.40	14.57	13.75	14.08	14.70	13.55	16.50	15.96	14.41	20
21	13.55	22.72	21.65	15.30	14.98	13.48	13.93	14.74	13.72	16.47	16.29	14.17	21
22	13.53	22.71	21.12	15.12	15.32	13.27	14.01	14.85	13.79	16.58	16.33	14.09	22
23	13.50	22.70	20.52	14.96	15.36	13.27	14.01	14.91	13.83	16.75	16.20	13.79	23
24	13.19	22.38	19.95	14.80	15.28	13.30	13.62	14.92	14.22	16.78	16.05	13.33	24
25	13.01	23.27	19.35	14.69	15.23	13.34	13.26	15.15	14.50	16.66	16.03	12.95	25
26	13.10	24.87	18.93	14.63	15.22	13.39	13.10	15.21	14.30	16.33	15.97	12.63	26
27	13.15	25.49	18.61	14.56	15.20	14.31	12.83	15.39	14.11	15.89	15.93	12.62	27
28	13.20	25.64	18.17	14.46	14.86	15.20	12.54	15.58	14.04	15.63	15.90	12.79	28
29	13.42	25.84	17.85	14.48		15.80	12.35	15.78	14.31	15.52	15.84	12.78	29
30	13.53	26.54	17.58	14.51		15.93	12.21	15.93	14.61	15.51	15.78	12.74	30
31	13.64		17.41	14.54		15.85		16.02		15.59	15.85		31

INSTANTANEOUS MAXIMUM GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
December 1	0045	26.80

REMARKS:

Station located on west levee, 3.7 miles southeast of Knights Landing.

Period of record for discharge is not available.
Period of record for gage height is 1915 to February 8, 1984 and October 1, 1986 to date.

Mean daily discharge and peak discharge records, for this station, for the 1984-85 water year are available in the discharge section of this publication.

The datum for this station from 1915 to present is 0.00, USED

FOR PERIOD OF RECORD BEGINNING 1915:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	Not available.		

E = Estimated. NR = No Record.

TABLE B-2 (continued)
DAILY MEAN STAGE
(in feet)

STATION NUMBER: G31139 EAGLE LAKE NEAR SPAULDING

LOCATION: LAT 40-39-02, LONG 120-47-20, T32N, R10E, SEC. 1, MD B&M LASSEN COUNTY

DRAINAGE AREA: Not available HYDROLOGIC AREA: G-08.C1

WATER YEAR OCTOBER 1984 through SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DAY
1	11.94	11.81	12.08	12.10	12.20		NR	12.67	12.32	11.92	11.45	10.92	1
2	11.93	11.86	12.08	12.10	12.21		NR	12.66	12.32	11.91	11.44	10.92	2
3	11.93	11.87	12.08	12.10	12.21		NR	12.64	12.32	11.90	11.43	10.92	3
4	11.93	11.87	12.09	12.10	12.21		NR	12.63	12.31	11.89	11.42	10.91	4
5	11.92	11.87	12.08	12.10	12.22		NR	12.63	12.30	11.88	11.40	10.89	5
6	11.91	11.89	12.08	12.11	12.22		NR	12.62	12.30	11.86	11.39	10.89	6
7	11.91	11.90	12.07	12.11	12.24		NR	12.60	12.28	11.85	11.36	10.88	7
8	11.90	11.92	12.08	12.12	12.34	N	NR	12.59	12.27	11.83	11.33	10.93	8
9	11.89	11.92	12.08	12.12	12.35		NR	12.58	12.26	11.82	11.32	10.95	9
10	11.88	11.91	12.09	12.12	12.34	O	NR	12.56	12.26	11.80	11.29	10.94	10
11	11.89	11.93	12.09	12.12	12.34		NR	12.55	12.25	11.79	11.28	10.93	11
12	11.89	11.94	12.07	12.12	12.34		NR	12.54	12.25	11.77	11.26	10.92	12
13	11.86	11.94	12.08	12.12	12.34		NR	12.54	12.23	11.76	11.25	10.91	13
14	11.85	11.94	12.08	12.13	12.34		NR	12.52	12.22	11.75	11.24	10.89	14
15	11.84	11.95	12.09	12.13	12.35	R	NR	12.52	12.22	11.73	11.23	10.88	15
16	11.85	11.94	12.11	12.13	12.35	E	NR	12.50	12.21	11.71	11.23	10.88	16
17	11.86	11.94	12.12	12.13	12.35		NR	12.49	12.20	11.68	11.21	10.86	17
18	11.86	11.95	12.11	12.13	12.35	C	NR	12.49	12.21	11.66	11.19	10.86	18
19	11.87	11.94	12.10	12.14	NR		NR	12.48	12.18	11.64	11.17	10.84	19
20	11.86	11.95	12.10	12.14	NR	O	NR	12.47	12.17	11.63	11.15	10.84	20
21	11.86	11.97	12.10	12.14	NR	R	NR	12.47	12.16	11.62	11.13	10.83	21
22	11.85	11.97	12.10	12.14	NR		NR	12.46	12.14	11.61	11.11	10.83	22
23	11.85	11.97	12.10	12.14	NR	D	NR	12.46	12.12	11.60	11.11	10.82	23
24	11.85	12.00	12.10	12.14	NR		NR	12.45	12.07	11.59	11.10	10.82	24
25	11.84	12.01	12.10	12.15	NR		NR	12.44	12.05	11.58	11.09	10.82	25
26	11.83	12.01	12.10	12.16	NR		12.68	12.43	12.03	11.57	11.07	10.81	26
27	11.83	12.04	12.11	12.17	NR		12.68	12.41	12.01	11.56	11.04	10.81	27
28	11.83	12.08	12.11	12.17	NR		12.68	12.38	12.00	11.55	11.02	10.80	28
29	11.82	12.08	12.11	12.18			12.67	12.36	11.96	11.53	10.99	10.79	29
30	11.81	12.08	12.10	12.18			12.67	12.36	11.93	11.51	10.97	10.79	30
31	11.81		12.10	12.18				12.34		11.47	10.95		31

INSTANTANEOUS MAXIMUM GAGE HEIGHT, 1984-85

DATE	TIME	G.H.
NR		

REMARKS:

Station located in Pine Creek outlet on west shore at Eagle Lake about 19 miles north-west of Susanville. Prior to October 1, 1976 station was located on east shore at tunnel entrance (as G32100, Eagle Lake near Susanville).

Stage affected by moderate to high winds at times.

The datum for this station from 1956 to present is 5095.06, USCGS.

FOR PERIOD OF RECORD BEGINNING 1976:

	GAGE HEIGHT	DATE	TIME
INSTANTANEOUS MAXIMUM	13.98	April 25, 1984	1600

E = Estimated. NR = No Record.

APPENDIX C

SURFACE WATER QUALITY

APPENDIX C

SURFACE WATER QUALITY

Appendix C presents the results of chemical analyses of surface water samples collected in Northeastern California from October 1, 1984 to September 30, 1985. The data are presented in six categories:

Table	Title
C-1	Mineral Analyses of Surface Water
C-2	Minor Element Analyses of Surface Water
C-3	Miscellaneous Analyses of Surface Water
C-4	Nutrient Analyses of Surface Water
C-5	Pesticide Analyses of Surface Water
C-6	Supplemental Minor Element Analyses of Surface Water

To facilitate use of the surface water quality tables, a sampling station index is provided on pages 122 through 124. This index lists the stations in the tables and gives location data for each. The space for station names is restricted to a combination of 25 letters and/or numerals; therefore, some abbreviations are necessary. Pertinent abbreviations are:

A	– at	MO	– mouth
AB	– above	N	– north
AGRI	– agricultural	NE	– northeast
BAS	– basin	NF	– north fork
BL	– below	NO	– number
BP	– bypass	NR	– near
BR	– bridge	PL	– pipeline
C or CR	– creek	PLT	– plant
CA	– canal	PP	– power plant
CN	– canyon	PUPL	– pumping plant
DIV	– diversion	R	– river
DM	– dam	R-D	– reclamation district
DR	– drain	RD	– road
DWR	– Department of Water Resources	RES	– reservoir
E	– east	S	– south
EF	– east fork	SF	– south fork
F	– fork	SI	– side
FY	– ferry	SL or SLU	– slough
HWY	– highway	SO	– southern
IS	– island	STP	– sewage treatment plant
JCT	– junction	T	– tract
L	– little	TRIB	– tributary
LNDG	– landing	UP	– upper
LK	– lake	VLY	– valley
LO	– lower	W	– west
M	– middle	WT	– water
MF	– middle fork	XING	– crossing

The number of pages referenced in the "analyses" column of the index indicates the extent of analyses for each station. Locations of the stations are shown on Figure 5, pages 126 through 132.

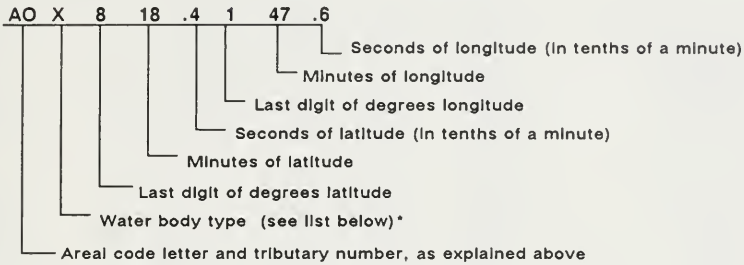
Surface water quality stations are listed in the tables by ascending station number. The station number appears on the left, the station name in the center, and the areal code on the right. The areal code is described on page 2.

Surface water quality stations are named after the stream and a nearby landmark or post office. An example is the station "Ulatis Creek at Brown Road." If a sampling station is situated at the site of a surface water measurement station, each uses the same name.

The first character of a surface water quality station number designates the basin in which the station is located and is one of the areal code letters shown in Figure 1. The second character, a numeral, designates a specific tributary area within that major basin. These two characters, therefore, indicate the general location of the station. In this appendix, data are reported for the basins and tributaries listed below:

BASIN		TRIBUTARY	
Ltr	Name	No.	Name
A	SACRAMENTO RIVER	0	Sacramento Valley Floor
		1	Pit River
		2	Shasta Lake
		3	Sacramento Valley Westside
		4	Sacramento Valley Northeast
		5	Feather River
		6	Yuba—Bear Rivers
		7	American River
		8	Cache Creek
		9	Putah Creek
B	SAN JOAQUIN RIVER	0	San Joaquin Valley Floor
		1	Cosumnes River
		2	Mokelumne-Calaveras River
		8	San Joaquin Valley Westside
		9	Sacramento-San Joaquin
G	NORTH LAHONTAN	3	Eagle Lake
		4	Susan River
		6	Herlong
		7	Truckee River
		8	Carson River
		9	Walker River

Surface water quality stations located on broad bodies of water have elements of latitude and longitude included in the station number to assist in location. The station "Ulatis Creek at Brown Road" is an example:



*Water Body Types
C - canal
D - river delta
L - lake
R - reservoir
V - agricultural drain
X - channel with two-directional flow

In order to increase the amount of information presented in the water quality tables, some columns have multiple headings and data are tabulated respectively. For example, the first column of Table C-1 shows the date of sample collection printed above the time of sampling so the data are tabulated in that order. If a part of the values for a multiple heading column are obtained, they will appear in the column with respect to the heading positions. If dashes (or no data) appear in a column, it means no data was obtained.

At the time of sampling, dissolved oxygen, pH, temperature, specific conductance and gage height are determined.

Abbreviations and codes used in each table are explained at the beginning of each table.

SAMPLING STATION INDEX,
Northeastern California

Station	Station Number	Location Lat.	Location Long.	Areal Code	Beginning of Record	Analyses on Page(s)	Map Page
AG-DR W-ED EMPIRE T S-SI ATHERTON	B9 V 803.6 129.9	38-03-37	121-29-52	B-01.00	2/85	168,176,182,198	131
AGRI-DR GRAND IS NR WALKER LNDG	B9 V 813.2 135.7	38-13-10	121-35-42	A-01.00	2/85	168,176,182,198	130
AGRI-DR TYLER IS BY VORMANS LNDG	B9 V 807.9 134.7	38-07-53	121-34-44	A-01.00	3/85	168,176.198	130
ALDER C A GLENBROOK	A8 5710.00	38-51-06	122-45-24	A-04.D4	10/79	160,174,192	130
AMERICAN R A SACTO WT PLT	A0 7140.10	38-33-35	121-24-57	A-05.B1	10/68	148,179,186,197	131
AMERICAN R A 16TH ST BR	A0 7125.01	38-35-47	121-28-33	A-05.B1	2/54	148,179,186	131
AMERICAN R BL NE STP BL PL	A0 7149.01	38-34-48	121-20-27	A-05.B1	7/78	148,179,186	131
AMERICAN R BL NIMBUS DM	A0 7180.00	38-38-08	121-13-36	A-05.B1	2/56	148,179,186	131
AMERICAN R SF NR KYBURZ	A7 4550.00	38-45-49	120-19-39	A-06.B5	6/56	155	131
ANTELOPE C NR MO NR RED BLUFF	A0 4520.50	40-06-30	122-06-35	A-13.B0	7/55	145	128
ANTELOPE LK NR DM	AN 0010.00	40-10-47	120-36-20	A-11.E4	5/75	135,179,185	129
BARKER SLU NR DOZIER	A0 9220.00	38-17-03	121-49-22	A-02.A0	12/51	148,173	130
BATTLE CR NR COTTONWOOD	A4 7110.00	40-23-54	122-08-08	A-17.A0	1/55	154	128
BEAR C NR RUMSEY	A8 1250.00	38-56-43	122-20-43	A-04.B0	12/68	157,190	130
BEAR R NR WHEATLAND	A0 6550.00	39-00-01	121-24-20	A-08.A0	5/51	147,179,186	131
BOTTLE ROCK PWR PLANT NR GLENBROOK	A8 5616.00	38-50-06	122-45-34	A-04.D4	7/85	159,174,192	130
BUTTE C NR CHICO	A4 1110.00	39-43-34	121-42-28	A-07.D0	3/52	154	128
BUTTE SLU NR MERIDIAN	A0 2972.00	39-10-28	121-54-08	A-07.C0	2/71	141,185	128
CACHE C NR LOWER LK	A8 1350.00	38-55-29	122-33-53	A-04.D1	11/51	157	130
CACHE C A RUMSEY	A8 1135.00	38-53-24	122-14-14	A-02-C0	5/58	156	130
CACHE C NF NR LOWER LAKE	A8 2050.00	39-01-09	122-34-03	A-04.C0	12/51	158,190	128
CACHE SLU A VALLEJO PUPL	B9 D 817.8 144.8	38-17-49	121-44-50	A-01.00	5/50	165,175,181,197	130
CALAVARES R NR JENNY LIND	B0 2590.00	38-05-22	120-51-53	B-03.C0	3/49	160,180,192	131
CALHOUN CUT TRIB HWY 113-CREED RD	B9 D 814.5 148.2	38-14-32	121-48-15	A-01.00	11/84	164	130
CARSON R EF A HWY 4	G8 3420.20	38-41-20	119-45-44	G-03.A0	9/58	171,182,194	132
CARSON R WF A WOODFORDS	G8 2300.00	38-46-10	119-50-00	G-04.B0	8/58	171	132
CHICO C BIG NR CHICO	A4 2111.00	39-46-34	121-45-05	A-13.B0	7/52	154	128
CLEAR C NR IGO	A3 6130.00	40-30-48	122-31-23	A-17.A0	4/58	154	126
CLEAR LK A LAKEPORT	A8 L 902.7 254.7 1	39-02-42	122-54-43	A-04.D2	4/51	156,190	128
CLEAR LAKE LO ARM CL-3	A8 L 857.9 240.6	38-57-52	122-40-40	A-04.D2	4/77	155,173,188,201	130
CLEAR LK 15-UP ARM CL-1	A8 L 903.8 251.9	39-03-48	122-51-54	A-04.D2	6/64	156,173,190,201	128
CLEAR LK 23 OAKS ARM CL-4	A8 L 900.7 241.7	39-00-42	122-41-42	A-04.D2	6/64	155,173,189,201	128
COLUSA BAS DR A HWY 20	A0 2976.00	39-11-45	122-03-34	A-07.B1	7/52	142	128
COLUSA BAS DR NR KNIGHTS LDG	A0 2947.10	38-48-45	121-46-25	A-07.B1	6/57	140,185	130
CONTRA COSTA CA A ROCK SLU	B9 D 758.6 138.4	37-58-35	121-38-24	B-01.00	10/75	163	130
CONTRA COSTA-EAST ID PUMPING PL-1	B9 D 755.1 137.4	37-55-05	121-37-22	B-01.00	5/82	162	130
COSUMNES R A DILLARD RD	BO 1175.01	38-29-28	121-09-37	B-03.A2	8/83	160,180,197	131
COSUMNES R A MICHIGAN BAR	B1 1150.00	38-30-01	121-02-40	B-04.A1	7/52	161,180,193	131
COSUMNES R MF NR SOMERSET	B1 3150.00	38-37-29	120-42-02	B-04.A4	10/67	161	131
COSUMNES R NF NR EL DORADO	B1 2100.00	38-35-20	120-50-38	B-04.A3	10/57	161	131
COSUMNES R SF A R PINES	B1 4110.01	38-32-48	120-44-10	B-04.A4	10/67	161	131
COTTONWOOD C A COTTONWOOD	A0 3520.50	40-22-35	122-16-53	A-17.B0	4/51	143	128
COTTONWOOD C MF NR GAS PT	A0 3581.00	40-23-06	122-31-45	A-17.B0	5/74	144	128
COTTONWOOD C NF NR IGO	A0 3545.00	40-26-30	122-32-58	A-17.B0	12/64	144	128
COTTONWOOD C SF NR COTTONWOOD	A0 3595.00	40-19-00	122-26-54	A-17.B0	9/58	144	128
COW C NR PALO CEDRO	A4 8111.00	40-31-56	122-14-15	A-17.A0	9/74	154	126
DEER C A HWY 99E	A0 4321.01	39-56-48	122-03-09	A-13.B0	5/71	144	128
DELTA MENDOTA CA A LINDEMAN RD	B9 C 749.0 133.6	37-48-58	121-33-36	B-01.00	9/83	161,174,180,197	130
DWR-BP 01 N-END, DIERSSEN-FARM RD	B9 R 818.4 129.3	38-18-22	121-29-18	A-01.00	10/78	167	131
DWR-BP 02 S-END, FARM RD	B9 R 817.0 128.3	38-17-03	121-28-17	A-01.00	7/78	167	131
DWR-BP 03 S-END, TWIN CITIES RD	B9 R 816.7 128.0	38-16-44	121-27-58	A-01.00	3/78	167	131
DWR-BP 04 N-END, TWIN CITIES RD	B9 R 816.6 127.9	38-16-38	121-27-55	A-01.00	7/78	167	131
DWR-BP 05 N-END, WALNUT GROVE RD	B9 R 813.5 127.2	38-13-29	121-27-13	B-01.00	10/79	167	131
DWR-BP 06 S-END, WOODBRIDGE RD	B9 R 809.6 125.9	38-09-36	121-25-52	B-01.00	4/78	167	131
DWR-BP 07 S-END, SARGENT RD, FARM	B9 R 807.7 124.7	38-07-42	121-24-40	B-01.00	10/77	167	131
DWR-BP 08 N-END, SARGENT RD, FARM	B9 R 807.5 124.7	38-07-32	121-24-42	B-01.00	1/79	166	131
DWR-BP 09 S-END, KINGDON RD, FARM	B9 R 806.5 124.4	38-06-27	121-24-23	B-01.00	10/76	166	131
DWR-BP 10 N-END, KINGDON RD, FARM	B9 R 806.4 124.4	38-06-24	121-24-23	B-01.00	1/77	166	131
DWR-BP 11 N-END, TREADWAY RD, FARM	B9 R 805.8 124.1	38-05-50	121-24-08	B-01.00	10/76	166	131

SAMPLING STATION INDEX (Continued)
Northeastern California

Station	Station Number	Location Lat.	Location Long.	Areal Code	Beginning of Record	Analyses on Page(s)	Map Page
DWR-BP 12 MID-WAY NO OF WHITE SLOUGH	B9 R 805.4 123.9	38-05-26	121-24-55	B-01.00	10/79	166	131
DWR-BP 13 MID-WAY, SO OF WHITE SL	B9 R 804.8 123.6	38-04-47	121-23-37	B-01.00	10/78	166	131
EAGLE LK STA NO 1A	G3 L 033.4 048.4	40-33-23	120-48-22	G-08.C2	4/71	168,193	127
EAGLE LK STA NO 2A	G3 L 035.5 046.8	40-35-30	120-46-47	G-08.C2	4/71	168,193	127
EAGLE LK STA NO 4A	G3 L 040.4 046.0	40-40-21	120-45-57	G-08.C2	4/71	169,176,193	127
EAGLE LAKE STA 7A	G3 L 041.9 041.2	40-41-54	120-41-11	G-08.C2	4/71	169,176,193	127
EAGLE LK STA NO 9A	G3 L 038.6 044.1	40-38-37	120-44-04	G-08.C2	4/71	169,193	127
EAGLE LAKE STATION NO 10A	G3 L 036.9 044.7	40-36-54	120-44-39	G-08.C2	8/62	168,176,193	127
EAGLE LK STA NO 11	G3 L 035.2 045.1	40-35-11	120-45-05	G-08.C2	8/62	168,176,193	127
ELDER C A GERBER	A0 3320.00	40-03-04	122-09-55	A-13.B0	1/59	142	128
ELDER C NR PASKENTA	A3 3110.00	40-01-28	122-30-38	A-16.B1	10/58	154	128
FEATHER R A NICOLAUS	A0 5103.00	38-54-01	121-35-00	A-05.B2	3/49	145,179,185	130
FEATHER R MF NR PORTOLA	A5 5420.00	39-49-17	120-26-17	A-11.C2	5/71	155	129
GRINDSTONE C NR ELK C	A3 1302.00	39-40-38	122-31-50	A-14.B1	5/66	153,188	128
HIGH VALLEY C AB KELSEY C	A8 5610.00	38-52-07	122-47-36	A-04.D4	3/78	158,173,191	130
HONEY LK NR BUNTINGVILLE	G4 L 016.5 027.1	40-16-30	120-27-06	G-08.B0	3/73	169	129
HONKER CUT A ATHERTON RD BR	B9 D 803.6 127.5	38-03-34	121-27-30	A-01.00	6/59	163,181	131
IRON CANYON RES	A1 R 102.8 159.1	41-02-46	121-59-08	A-23.A3	5/76	149,187	126
KELSEY C A GLENBROOK	A8 5701.00	38-51-07	122-45-23	A-04.D4	3/78	159,174,192	130
KELSEY C AB HIGH VALLEY C	A8 5601.00	38-52-08	122-47-35	A-04.D4	3/78	158,173,190	130
KELSEY C NR KELSEYVILLE	A8 1500.00	38-55-42	122-50-36	A-04.D4	3/80	157,173,190	130
LINDSAY SLU A HASTINGS CUT	B9 D 815.8 146.2	38-15-47	121-46-12	A-01.00	11/80	165,175,181,197	130
LITTLE CONNECTION EMPIRE ATHERTON	B9 D 803.6 130.0	38-03-36	121-29-58	B-01.00	2/85	164,181,197	131
LK BRITTON A FY XING	A1 L 101.3 139.9	41-01-18	121-39-54	A-23.B1	5/73	149,186	126
LK SISKIYOU NR MT SHASTA	A2 L 116.8 219.7	41-16-46	122-19-43	A-21.B2	7/73	150,187	126
LONG VLY C AB DOYLE	G6 1200.00	39-55-50	120-01-10	G-08.A0	7/54	170	129
LONG VLY CR NR HALLELUJAH JCT	G6 1705.00	39-46-55	120-04-14	G-08.A0	3/71	170	129
MALLARD SL AT PUMPING PLANT	B8 X 802.2 155.6	38-02-09	121-55-37	E-07.C1	9/83	161,174	130
MC CLOUD RES A DM	A2 R 107.9 204.2	41-07-53	122-04-12	A-22.A3	8/73	150,188	126
MC CLOUD R AB SHASTA LK	A2 2150.00	40-57-30	122-13-09	A-22.A1	4/51	152,188	126
MERRILL C A EAGLE LK NR SUSANVILLE	G3 2510.00	40-32-54	120-43-26	G-08.C1	4//72	169,176,194	127
MERRILL C BL LITTLE MERRILL FLAT	G3 2515.00	40-32-04	120-49-26	G-08.C1	6/75	169,176,194	127
MIDDLE R A BORDEN HWY	B9 D 753.5 129.3	37-53-28	121-29-20	B-01.00	11/61	162,174,180,197	131
MIDDLE RIVER A MOKELUMNE AQUEDUCT	B9 D 756.2 131.7	37-56-13	121-31-44	B-01.00	4/77	162	130
MILL C NR MO NR LOS MOLINOS	A0 4420.50	40-02-35	122-05-57	A-13.B0	9/52	144,185	128
MINER SLU A RYDE ISL SCH HWY	B9 D 814.6 139.5	38-14-36	121-39-32	A-01.00	8/60	164,175,181	130
MOKELUMNE R A LOWER SACTO RD	B0 2105.20	38-09-27	121-17-49	B-03.B0	8/83	160,180,197	131
MOKELUMNE R NORTH BL SNODGRASS SL	B9 D 813.4 130.3	38-13-23	121-30-20	B-01.00	6/82	164	131
MOKELUMNE R NR MOKELUMNE HILL	B2 1375.00	38-18-46	120-43-09	B-04.C0	10/52	161	131
OLD R A TRACY RD BR	B9 D 748.3 126.9	37-48-17	121-26-55	B-01.00	2/68	161	131
OLD R NR ROCK SLU AB RANCHO DEL RIO	B9 D 758.1 134.3	37-58-10	121-34-15	B-01.00	5/72	163	130
PAPOOSE C NR SUSANVILLE	G3 2505.00	40-33-15	120-45-31	G-08.D0	10/72	169,176,194	127
PAYNES C NR RED BLUFF	A4 6050.01	40-18-54	122-04-12	A-17.A0	10/58	154	128
PINE C A EAGLE LK NR SUSANVILLE	G3 1140.00	40-39-54	120-47-25	G-08.C1	1/74	169,176,194	127
PIPER SLU A BETHEL TRACT	B9 D 802.0 137.2	38-02-03	121-37-14	B-01.00	5/77	163	130
PIT R NR CANBY	A1 1680.00	41-24-23	120-55-38	A-23.D4	4/51	149	127
PIT R NR MONTGOMERY C	A1 1020.00	40-50-54	121-59-24	A-20.B0	4/51	149,180,187	126
PIT R SF NR LIKELY	A1 4400.00	41-13-51	120-26-10	A-23.E2	8/58	149,187	127
PUTAH C NR WINTERS	A9 1250.00	38-30-55	122-04-50	A-02.B0	12/51	160	130
R-D 70 DR TO SACRAMENTO R	A0 2965.00	39-04-08	121-51-43	A-07.A0	8/59	141,185	128
R-D 108 DR TO SACRAMENTO R	A0 2933.00	38-51-48	121-47-30	A-07.A0	8/59	139	130
R-D 787 DRAINAGE TO COLUSA BAS DRAIN	A0 2950.00	38-48-06	121-43-30	A-07.A0	6/57	140	130
R-D 787 DRAINAGE TO SACRAMENTO R	A0 2955.00	38-50-48	121-43-48	A-07.A0	5/60	141,185	130
R-D 1500 DR SLU TO SAC SLU NR KARNAK	A0 2926.00	38-47-06	121-39-18	A-07.A0	2/52	138	130
RED BANK C NR RED BLUFF	A0 3460.00	40-05-24	122-24-45	A-13.B0	1/59	143	128
ROCK SL A OLD RIVER	B9 D 758.4 134.8	37-58-22	121-34-50	B-01.00	9/83	163,174,180,197	130
RUBICON R A ELLICOTT RD	A7 5250.10	38-57-37	120-28-54	A-06.C3	10/69	155,180,188	131
SACRAMENTO R A BEND BR	A0 2785.00	40-15-50	122-13-19	A-17.A0	4/55	138,100,185	128
SACRAMENTO R A BUTTE CITY	A0 2500.00	39-27-28	121-59-35	A-07.D0	4/55	137	128

SAMPLING STATION INDEX (Continued)
Northeastern California

Station	Station Number	Location Lat.	Location Long.	Areal Code	Beginning of Record	Analyses on Page(s)	Map Page
SACRAMENTO R A COLUSA	A0 2420.00	39-12-52	121-59-57	A-07.A0	7/55	136	128
SACRAMENTO R A DELTA	A2 1300.00	40-56-21	122-24-58	A-20.B0	4/51	151,188	126
SACRAMENTO R A FREEMONT WEIR W END	A0 2170.00	38-45-34	121-39-59	A-02.B0	6/65	135,185	130
SACRAMENTO R A GREENS LDG	B9 D 820.7 132.7	38-20-45	121-32-42	A-01.00	7/62	166,175,182,197	130
SACRAMENTO R A HAMILTON CITY	A0 2630.00	39-45-06	121-59-40	A-13.B0	4/51	137,185	128
SACRAMENTO R A KESWICK	A2 1010.00	40-36-04	122-26-35	A-19.C0	4/51	151	126
SACRAMENTO R A WALNUT GROVE	B9 D 814.4. 131.0	38-14-22	121-30-57	A-01.00	12/60	164	130
SACRAMENTO R AB COLUSA BAS DR	A0 2230.02	38-48-30	121-43-20	A-07.A0	7/60	136,185	130
SACRAMENTO R BL KNIGHTS LANDING	A0 2195.01	38-45-38	121-40-40	A-07.C0	7/60	135	130
SACRAMENTO R BL RED BLUFF DIV DM	A0 2755.00	40-08-43	127-08-58	A-13.B0	12/77	137	128
SAN JOAQUIN R A BLIND POINT	B9 D 801.9 143.2	38-01-57	121-43-09	B-01.00	9/63	163	130
SAN JOAQUIN R A BRANDT BR	B9 D 751.9 119.3	37-51-53	121-19-19	B-01.00	3/57	162	131
SAN JOAQUIN R NR VERNALLIS	BO 7020.00	37-40-34	121-15-51	B-01.00	4/51	160,174,180,197	131
SAWTELLE DRAIN AT CLARK ROAD	A0 X 821.5 151.5	38-21-31	121-51-32	A-02.A0	7/84	135	130
SHASTA LK A DAM	A2 L 043.2 225.0	40-43-12	122-25-00	A-20.A0	8/73	149,187	126
SHASTA LK A LITTLE SQUAW C INLET	A2 L 044.3 227.3	40-44-17	122-27-18	A-20.A0	5/83	149,187	126
SHASTA LK LITTLE BACKBONE C INLET	A2 L 045.4 225.5	40-45-25	122-25-30	A-20.A0	5/83	150,187	126
SHASTA LK MCCLOUD R ARM	A2 L 048.4 217.6	40-48-22	122-17-33	A-24.A4	10/78	150,187	126
SHASTA LK PIT R AB JONES VALLEY	A2 L 044.9 212.1	40-44-52	122-12-04	A-20.A0	5/83	150,187	126
SHASTA LK SACRAMENTO R ARM	A2 L 048.5 222.8	40-48-30	122-22-49	A-24.A0	10/78	150,187	126
SHASTA LK SQUAW C BL ZINC C	A2 L 046.4 212.9	40-46-26	122-12-54	A-20.A0	5/83	150,187	126
SQUAW C AB SHASTA LK	A2 4100.00	40-51-24	122-07-08	A-22.B0	7/55	152,188	126
SQUAW C LA SHASTA LK	A2 0130.00	40-44-25	122-28-03	A-20.B0	6/52	150,173	126
STEAMBOAT SLU BL SUTTER SLU	B9 D 815.0 136.0	38-14-57	121-36-02	A-01.00	7/82	164	130
STONY C AB GRINDSTONE C	A3 1253.00	39-40-13	122-31-26	A-14.B1	5/79	153,173,188	128
STONY C BL BLACK BUTTE DM NR ORLAND	A3 1110.00	39-49-07	122-19-26	A-13.A0	1/58	152,173,188	128
SUSAN R A LASSEN ST BR	G4 1600.01	40-24-50	120-39-52	G-08.B0	4/51	170	129
SUSAN R NR LITCHFIELD	G4 1590.01	40-22-40	120-23-40	G-08.B0	11/68	169	129
SUTTER BP A R-D 1500 PP A KARNAK	A0 2927.00	38-47-06	121-39-12	A-07.A0	6/51	139,185	130
SUTTER BP STATE PP NO 1 NR NICOLAUS	A0 5910.00	38-56-00	121-38-06	A-07.C0	3/49	145,186	130
SUTTER BP STATE PP NO 2 NR TISDALE	A0 5920.00	39-01-36	121-43-30	A-07.C0	1/59	146,186	128
SUTTER BP STATE PP NO 3 NR YUBA CITY	A0 5925.00	39-07-14	121-46-41	A-07.C0	2/75	146	128
TEHAMA COLUSA CANAL NR RED BLUFF	A0 2759.00	40-08-45	122-11-47	A-13.B0	10/76	138,185	128
THOMES C A PASKENTA	A0 3500.00	39-53-16	122-31-41	A-13.B0	10/58	143,185	128
THOMES C A RICHFIELD	A0 3220.01	39-58-45	122-10-35	A-13.B0	1/59	142	128
TRUCKEE R A TAHOE CITY	G7 1665.00	39-09-59	120-08-37	G-06.B0	5/71	170,182,194	131
ULATIS CR AT BROWN RD	A0 X 818.4 147.6	38-18-25	121-47-35	A-02.A0	6/84	135,173	130
ULATIS CR AT HAWKINS RD	A0 X 821.5 150.8	38-21-31	121-50-50	A-02.A0	6/84	135,173	130
WADSWORTH CA NR SUTTER LO STA	A0 5927.00	39-07-43	121-45-12	A-07.C0	9/75	147,186	128
WALKER R E NR BRIDGEPORT	G9 3200.00	38-19-40	119-12-49	G-01.A0	8/58	171,182,194	132
WALKER R W BL LITTLE WALKER R	G9 2460.00	38-22-48	119-27-00	G-02.D0	8/58	171	132
WHISKEYTOWN RES A DAM	A3 R 036.1 232.4	40-36-04	122-32-22	A-19.B3	5/63	152,188	126
WILLOW CA RD A-27 NR LICHFIELD	G4 2001.00	40-24-00	120-27-03	G-08.B0	5/65	170	129
YUBA R NR MARSYVILLE	AO 6150.00	39-10-35	121-31-25	A-08.C0	2/70	147,179,186	128
YUBA R (SOUTH) NR CISCO	A6 4700.00	39-19-12	120-33-38	A-10.C4	10/67	155	129

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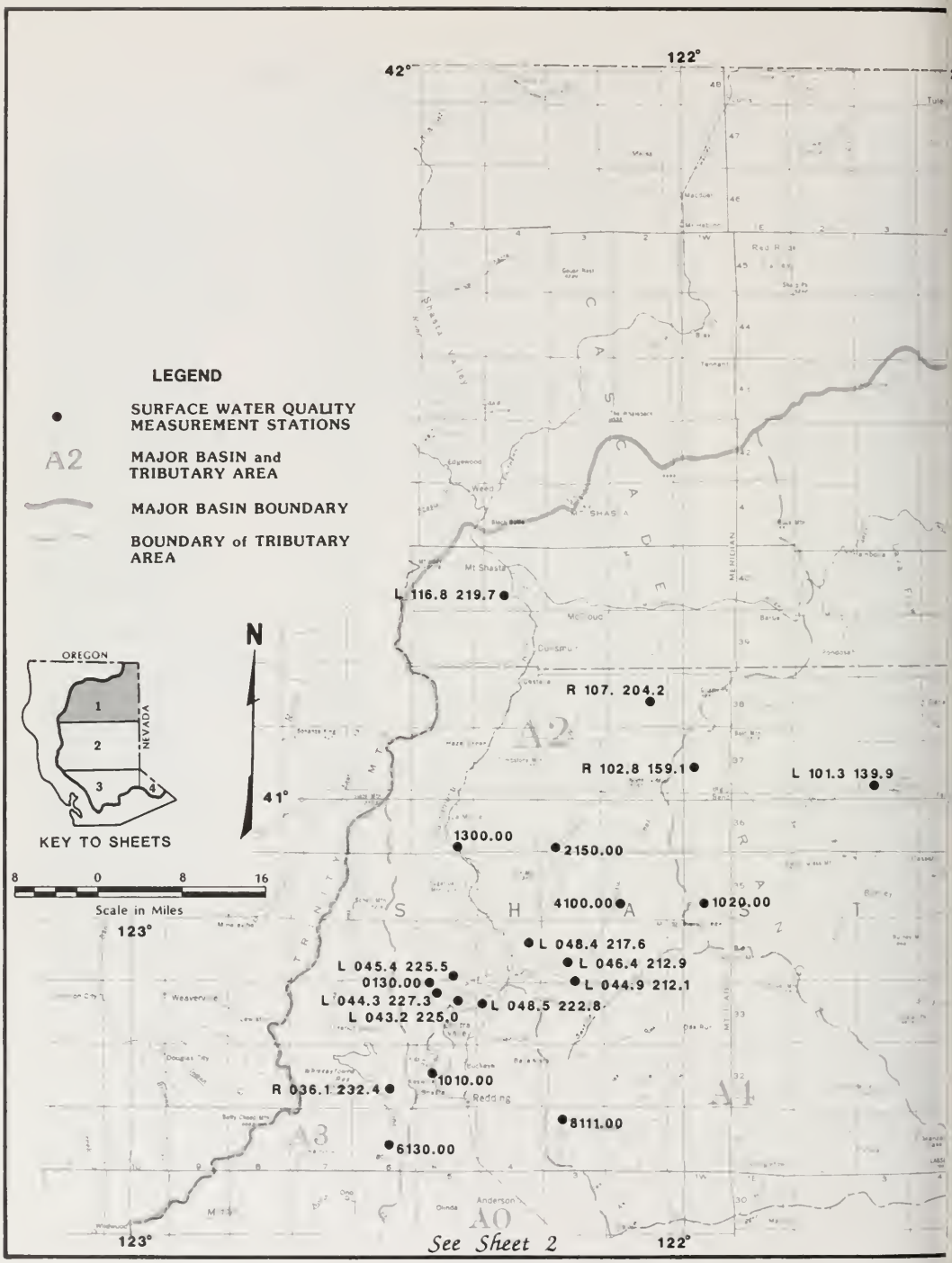

LEGEND
SURFACE WATER QUALITY MEASUREMENT STATIONS
A2
MAJOR BASIN and TRIBUTARY AREA
MAJOR BASIN BOUNDARY
BOUNDARY of TRIBUTARY AREA
OREGON
NEVADA
1
2
3
4
KEY TO SHEETS
N
8 0 8 16
Scale in Miles
42°
41°
123°
122°
L 116.8 219.7
R 107. 204.2
R 102.8 159.1
L 101.3 139.9
1300.00
2150.00
4100.00
1020.00
L 048.4 217.6
L 046.4 212.9
L 045.4 225.5
0130.00
L 044.9 212.1
L 044.3 227.3
L 048.5 222.8
L 043.2 225.0
1010.00
R 036.1 232.4
8111.00
6130.00
A2
A3
A1
A0
See Sheet 2

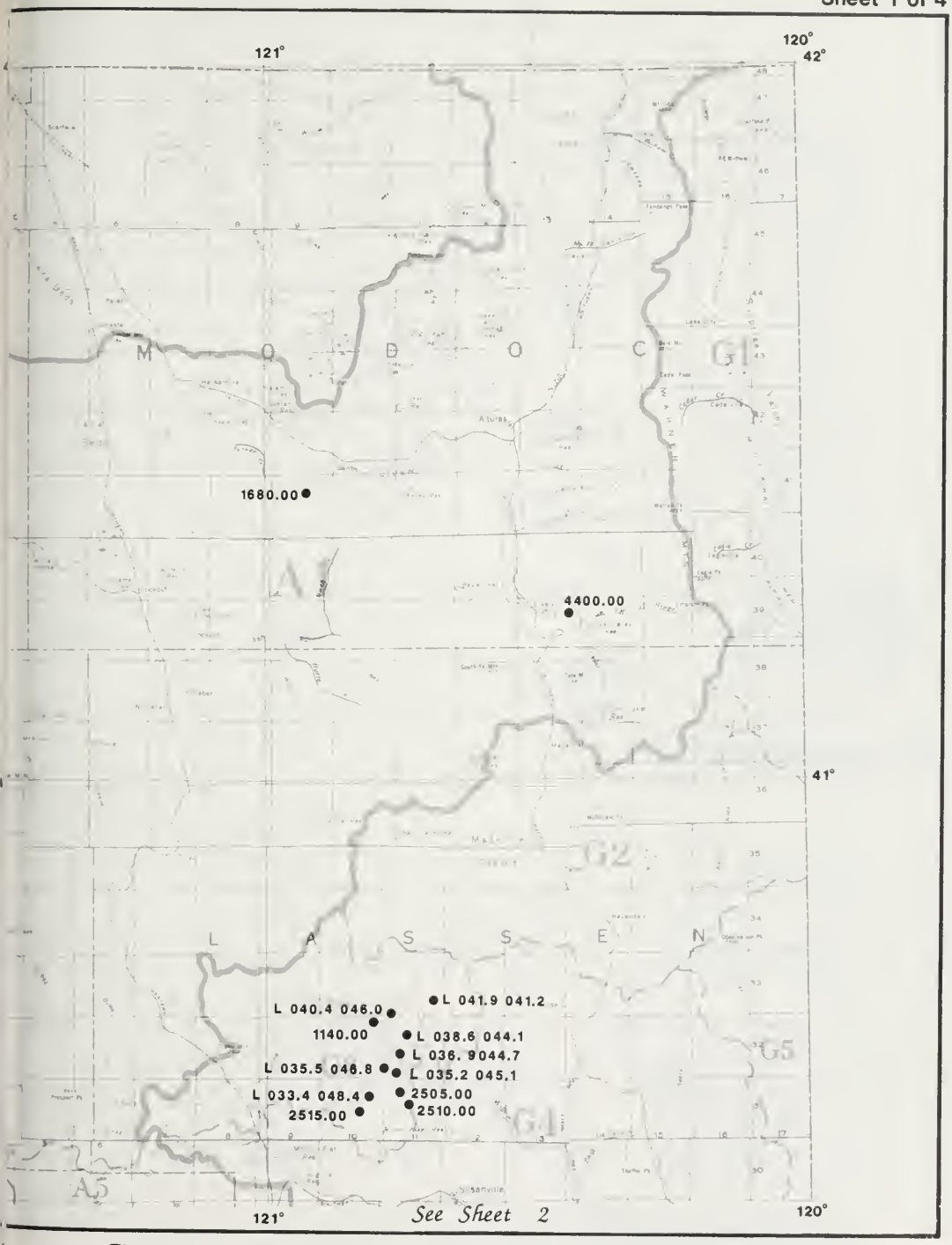
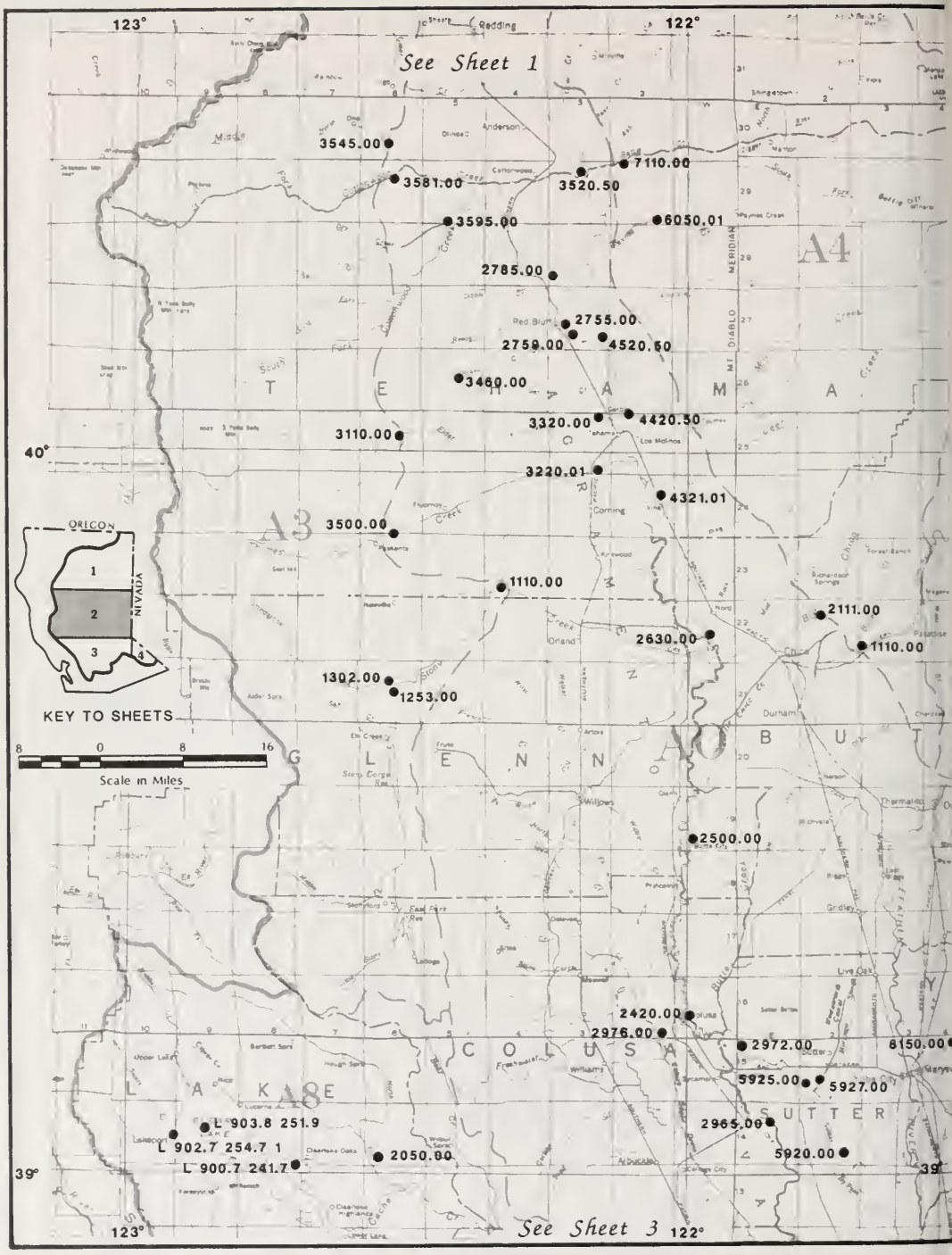


Figure 5. LOCATION OF SURFACE WATER QUALITY STATIONS


123°
122°
40°
39°
See Sheet 1
See Sheet 3
Redding
Anderson
Red Bluff
Los Molinos
Corning
Orland
Willows
Durham
Chico
Gridley
Live Oak
Yuba City
Colusa
Williams
Princeton
Maxwell
Arbuckle
Sutter City
Lakeport
Clearlake Oaks
Clearlake Highlands
Upper Lake
Lucerne
Middle
Sacramento
River
Stony Gorge Res.
Indian Valley Res.
Black Butte Res.
Stony Creek
Cache Creek
Colusa Basin Drain
Sacramento River
Feather River
Butte Creek
Sutter Buttes
Mt Diablo Meridian
A4
A3
A2
A1
T E H A M A
G L E N N
B U T T E
C O L U S A
L A K E
S U T T E R
3545.00
3581.00
3595.00
2785.00
2755.00
2759.00
4520.50
3460.00
3320.00
4420.50
3110.00
3220.01
4321.01
3500.00
1110.00
2111.00
2630.00
1110.00
1302.00
1253.00
2500.00
2420.00
2976.00
2972.00
8150.00
5925.00
5927.00
2965.00
5920.00
L 903.8 251.9
L 902.7 254.7 1
L 900.7 241.7
2050.00
7110.00
3520.50
6050.01
OREGON
NEVADA
1
2
3
4
KEY TO SHEETS
8 0 8 16
Scale in Miles

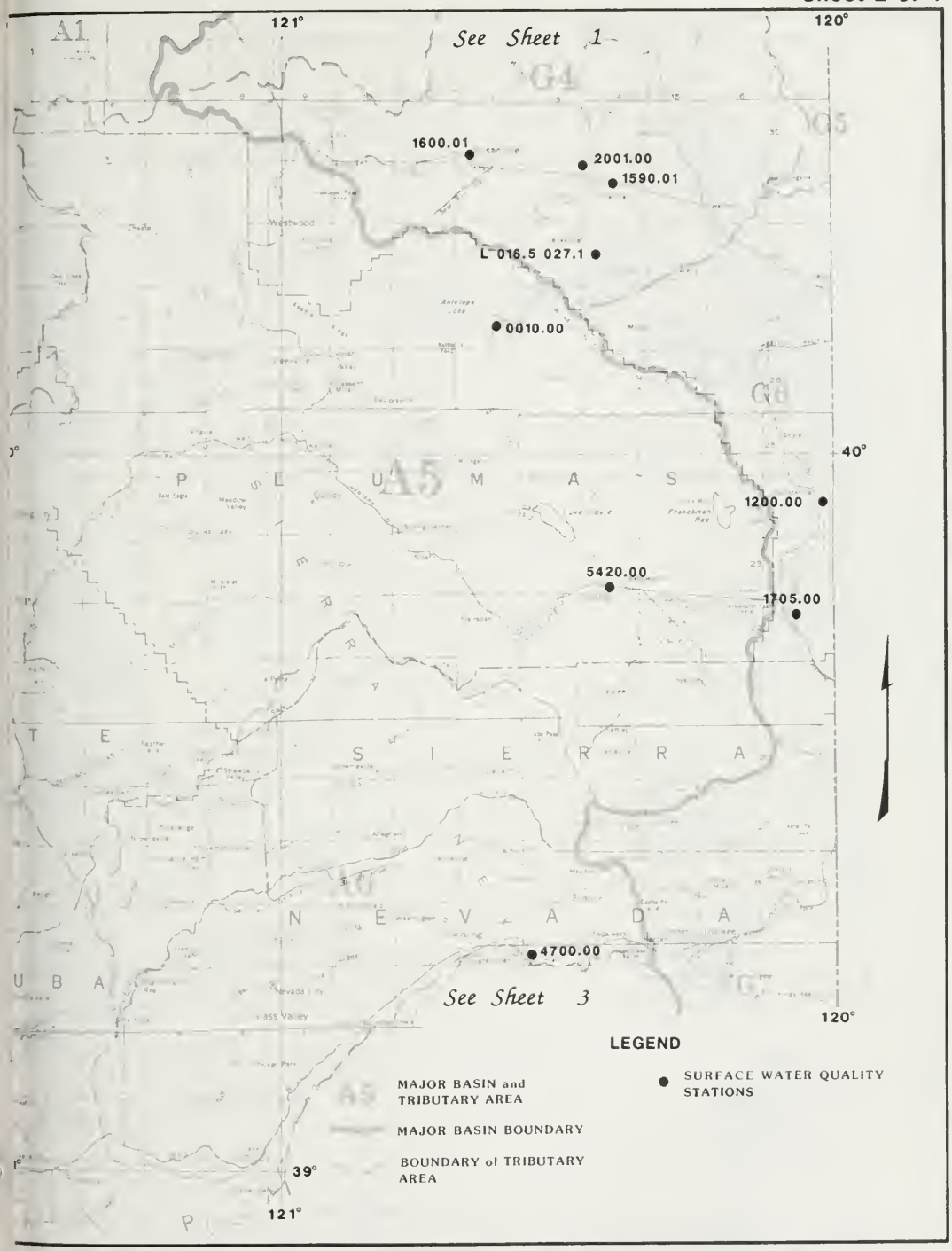
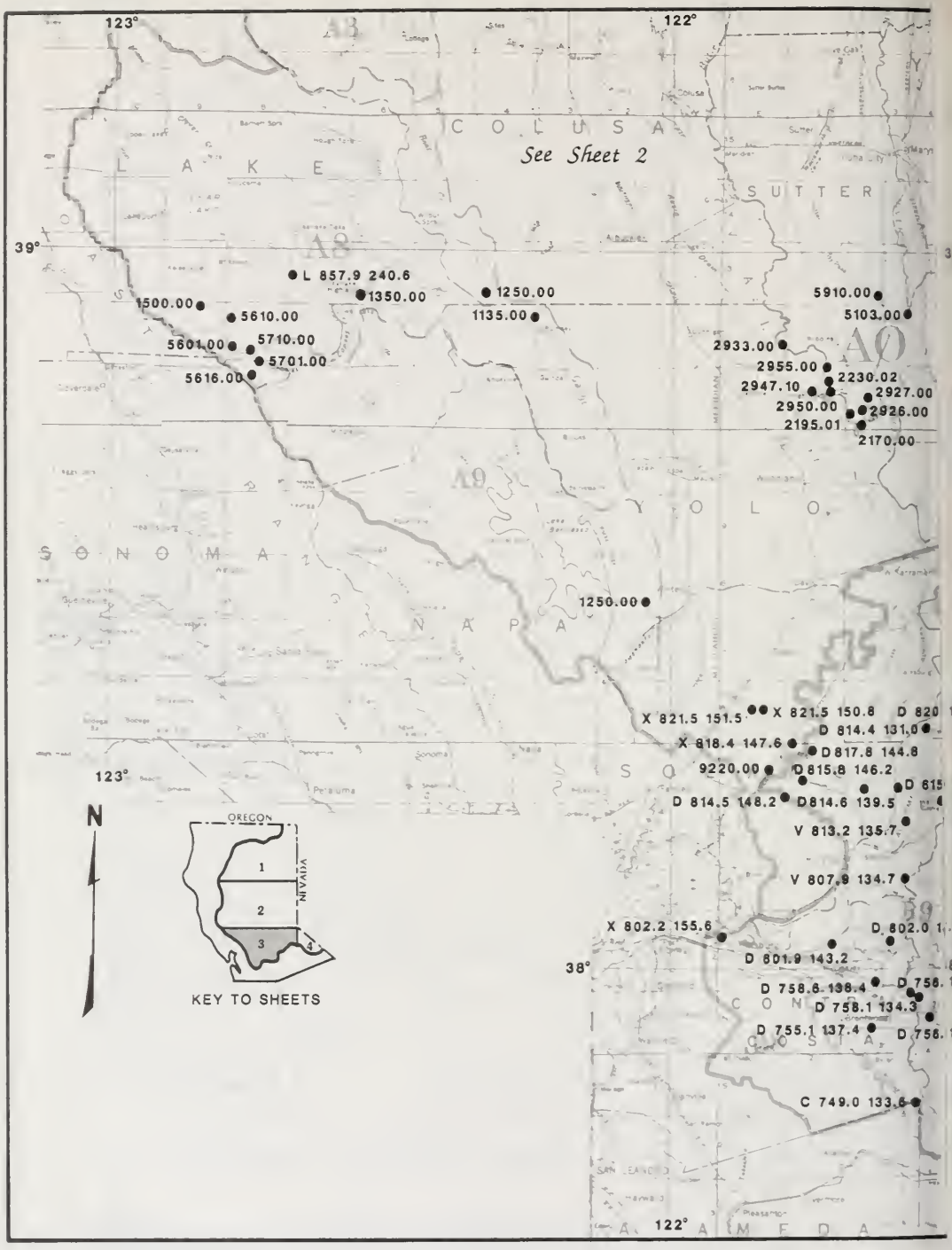


Figure 5. LOCATION OF SURFACE WATER QUALITY STATIONS


123°
122°
39°
38°
See Sheet 2
C O L U S A
L A K E
S U T T E R
S O N O M A
N A P A
Y O L O
S O L A N O
C O N T R A C O S T A
A L A M E D A
L 857.9 240.6
1350.00
1250.00
1135.00
1500.00
5610.00
5601.00
5710.00
5701.00
5616.00
5910.00
5103.00
2933.00
2955.00
2230.02
2947.10
2927.00
2950.00
2926.00
2195.01
2170.00
1250.00
X 821.5 151.5
X 821.5 150.8
D 814.4 131.0
X 818.4 147.6
D 817.8 144.8
9220.00
D 815.8 146.2
D 814.5 148.2
D 814.6 139.5
V 813.2 135.7
V 807.9 134.7
X 802.2 155.6
D 801.9 143.2
D 758.6 138.4
D 758.1 134.3
D 755.1 137.4
C 749.0 133.6
N
OREGON
NEVADA
1
2
3
4
KEY TO SHEETS

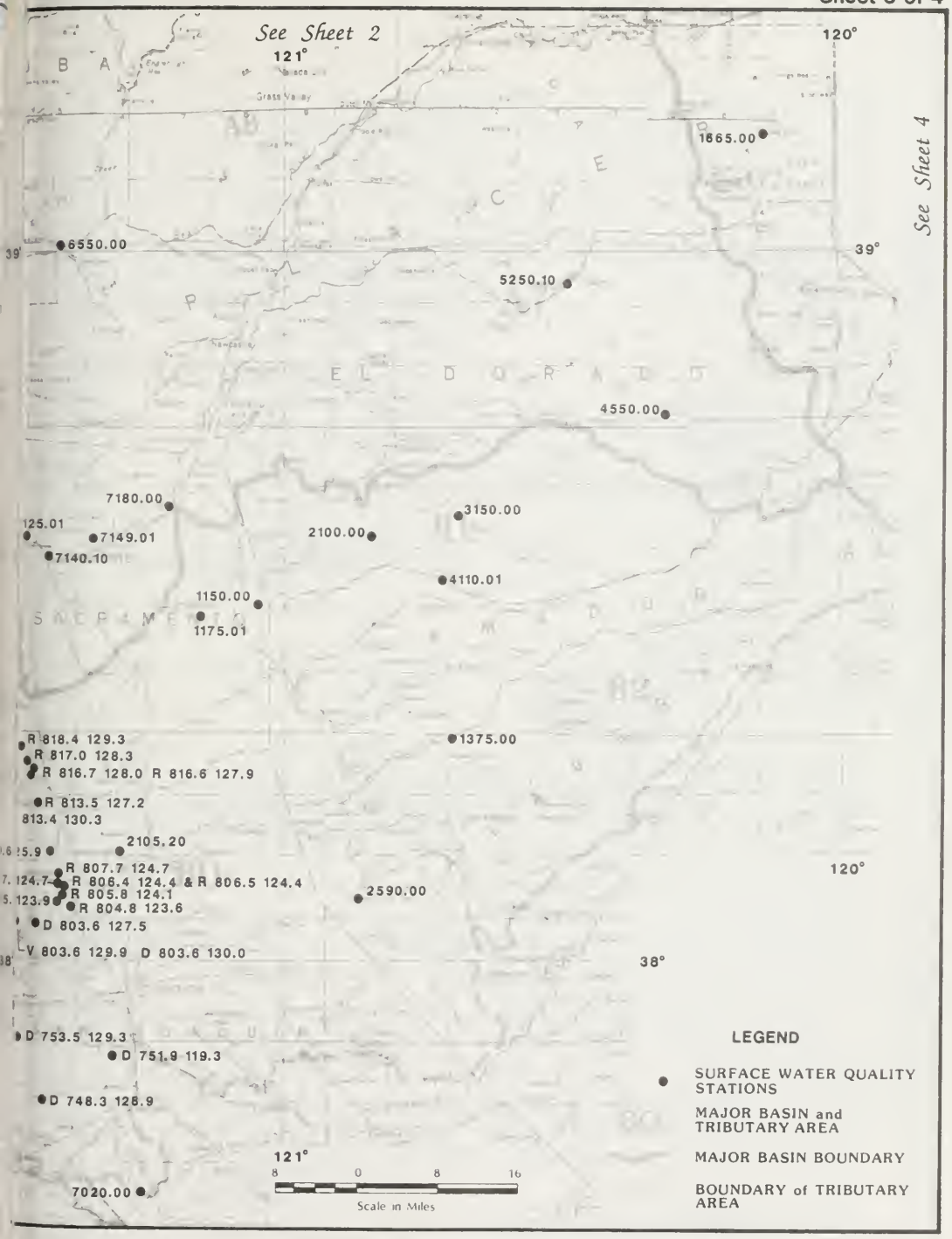


Figure 5. LOCATION OF SURFACE WATER QUALITY STATIONS

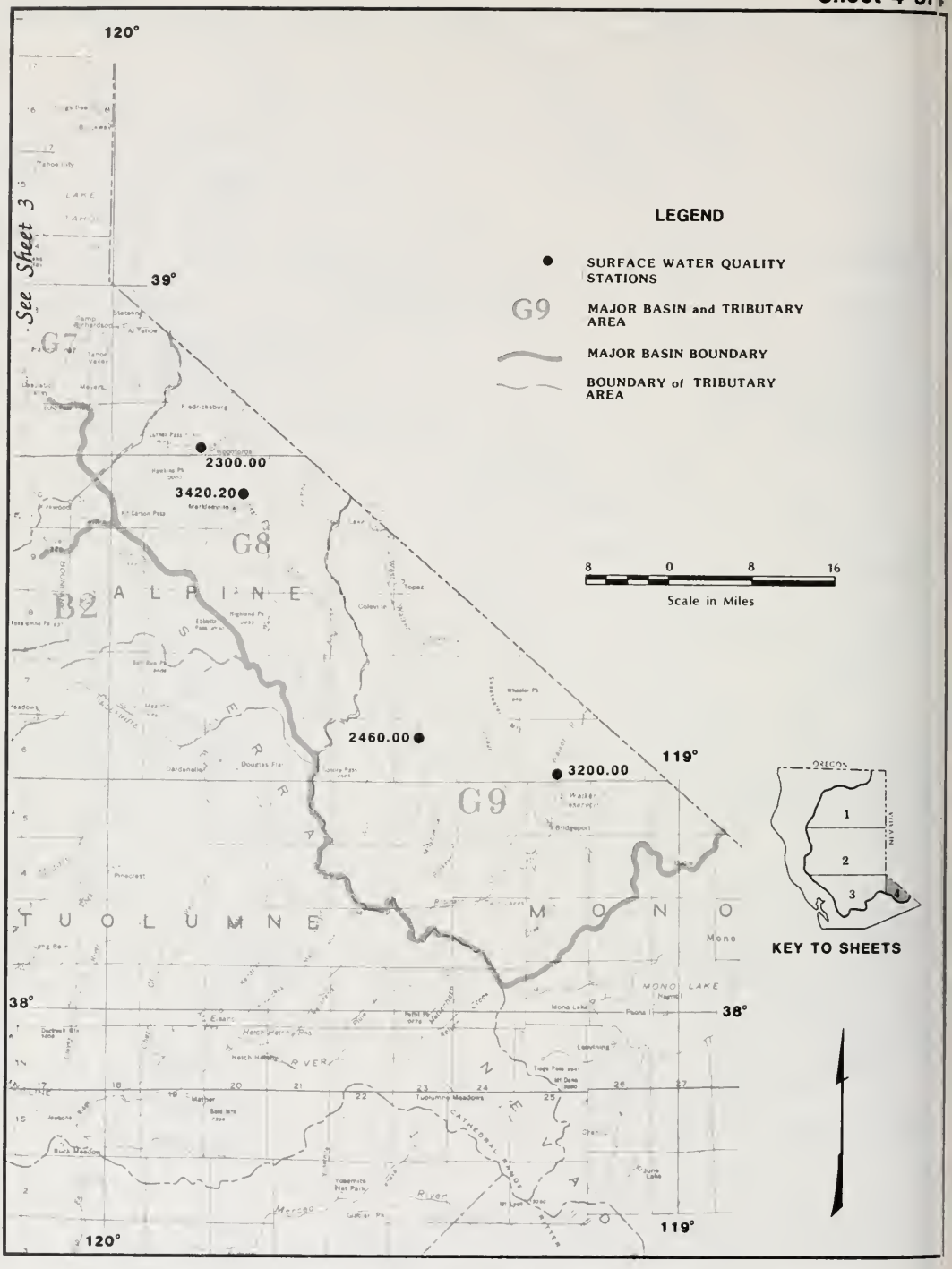


Figure 5. LOCATION OF SURFACE WATER QUALITY STATIONS

TABLE C-1
MINERAL ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

2163 - California Department of Water Resources for the State Water Resources Control Board
5050 - California Department of Water Resources

Abbreviations and Constituents

TIME	-	Pacific Standard Time on a 24-hour clock
G. H.	-	Instantaneous gage height in feet above an established datum
Q	-	Instantaneous discharge in cubic feet per second (E = Estimated)
DO	-	Dissolved oxygen content in milligrams per liter
SAT	-	Percent of normal dissolved oxygen saturation
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
Field	-	Determined in the field
Laboratory	-	Determined in the laboratory
pH	-	Measure of acidity or alkalinity of water
EC	-	Electrical conductance in microsiemens at 25°C

Constituents:

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CACO3	-	Calcium Carbonate	NA	-	Sodium
CL	-	Chloride	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
			SO4	-	Sulfate

Boron, Fluoride, and Silica are reported in milligrams per liter. The other minerals are reported in each of three units; milligrams per liter, milliequivalents per liter, and percent reactance value; accordingly, each observation can use three lines of tabulation.

MILLIEQUIVALENTS PER LITER is the concentration in Mg/l divided by the equivalent weight of the ion.

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.

TDS	-	Gravimetric determination of total dissolved solids at 180°C
SUM	-	Total dissolved solids by summation of analyzed constituents minus 40 percent of the carbonate weight
TH	-	Total Hardness
NCH	-	Noncarbonate hardness - any excess of total hardness over total alkalinity
TURB	-	Jackson turbidity units measured with Hellige Turbidimeter (E) or a Hach nephelometer (A) with (F) for field determinations
SAR	-	Sodium adsorption ratio
ASAR	-	Adjusted sodium adsorption ratio

REM – Remarks; code letters are:

- T – Total dissolved solids and the calculated sum of constituents are not within 20 percent of each other.
- E – Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity
- S – The anion sum and cation sum for a complete analysis is not within the prescribed tolerance of ± 5 percent.
- X – Indicates the field electrical conductivity and the laboratory electrical conductivity are <u>not</u> within 20 percent of each other.
- C – The electrical conductivity divided by the EC–EPM factor (or, if absent, 100) is not within 20 percent of the average of the cation sum and anion sum for complete analysis.

TABLE C-1

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLES LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F	TDS SUM	TH NCH	SAR RSAR	PER
AN 0010.00					ANTELOPE LK NR DM							A11E4								
04/25/85 0930	5050 0000	2.74 1	9.9 104	50.0F 10.0C	7.2 7.7	99 78	8.0 .40 53	2.0 .16 21	4.0 .17 22	1.3 .03 4	38 .76 92	2.0 .04 5	1.0 .03 4	.0 .00 0	.0	-- 13.9	64 54	28 0	0.3 0.2	E
04/25/85 0945	5050 0000	2.74 20	8.7 86	45.0F 7.2C	7.0 7.6	78 75	7.0 .35 49	2.0 .16 23	4.0 .17 24	1.2 .03 4	37 .74 90	2.0 .04 5	1.0 .03 4	.6 .01 1	.0	-- 14.0	65 54	26 0	0.3 0.2	E
AO X 818.4 147.6					ULATIS CR AT BROWN RD							A02A0								
11/13/84 1220	5050 5050		8.2 81	59.0F 15.0C	7.5 8.3	320 322	20 1.00 31	13 1.07 33	25 1.09 34	3.6 .09 3	69 1.34 47	32 .67 23	22 .62 21	17.0 .27 9	.1 5204	-- --	200 174	104 95	1.1 1.9	S
11/28/84 1200	4090 5050		9.4 86	52.7F 11.5C	7.7 8.0	240 232	14 .70 30	9.0 .74 32	16 .78 34	3.9 .10 4	55 1.10 52	25 .52 24	14 .39 18	7.5 .12 6	.2 4204	-- 7.9	157 132	72 17	0.9 1.0	S
12/18/84 1115	5050 5050		12.5 100	42.8F 6.0C	8.2	1010 1060	66 3.29 30	43 3.54 32	95 4.13 38	--	--	--	99 2.79	--	-- 54	-- --		342	0.0	S
03/11/85 1200	5050 5050		9.6 94	58.1F 14.5C	8.0 7.9	480 501	33 1.65 33	16 1.32 26	45 1.96 36	3.2 .06 2	139 2.78 57	57 1.19 24	28 .79 16	7.7 .12 2	.1 2004	-- --	310 273	149 10	1.6 2.9	
AO X 821.5 150.8					ULATIS CR AT HAWKINS RD							A02A0								
12/18/84 0940	5050 5050			44.6F 7.0C	8.0	890 914	68 3.39 35	43 3.54 37	62 2.70 28	--	--	--	63 1.78	--	-- 54	-- --		347	0.0	S
AO X 821.5 151.5					SAWTELLE DRAIN AT CLARK RD							A02A0								
12/06/84 1220	5050 5050		11.0 103	54.5F 12.5C	8.3 8.2	950 997	59 2.94 29	40 3.29 33	87 3.78 37	4.1 .10 1	240 4.80 48	108 2.25 23	89 2.51 25	27.0 .44 4	.2 24	-- 31.0	613 589	312 72	2.1 4.9	
AO 2170.00					SACRAMENTO R A FREMONT WEIR W END							A02R0								
10/25/84 1330	5050 5050		9.6 94	58 F 14 C	7.6 7.3	176 179	13 .65 37	7.0 .58 33	12 .52 30	--	66 1.32	--	6.0 .17	--	-- 34	-- --	110	62 0	0.7 0.8	
11/28/84 1230	5050 5050		10.5 92	49 F 9 C	7.3 7.6	155 149	11 .55 36	6.0 .49 32	16 .44 29	1.4 .04 3	52 1.04 73	9.0 .19 13	6.0 .17 12	1.3 .02 1	.1	-- --	107 76	57 0	0.6 0.6	E T
12/20/84 1400	5050 5050	24.01	10.5 90	48 F 9 C	7.3 7.2	161	13 .65 40	7.0 .58 36	9.0 .39 24	--	60 1.20	--	5.0 .14	--	-- 74	-- --	99	62 2	0.5 0.6	
01/03/85 1300	5050 5050	19.02	10.7 90	46 F 8 C	7.4 7.2	224 227	15 .75 34	9.0 .74 33	16 .70 31	1.4 .04 2	74 1.48 69	21 .44 20	8.0 .23 11	.2 .00 0	.0	-- --	137 115	74 1	0.8 1.0	
02/19/85 1230	5050 5050		10.2 96	55 F 13 C	7.8 7.9	212 220	18 .90 37	10 .82 34	15 .65 27	1.6 .05 2	76 1.52 72	17 .35 17	8.0 .23 11	.3 .00 0	.0	-- --	138 116	86 10	0.7 1.0	S
03/28/85 1330	5050 5050	16.85	10.2 93	52 F 11 C	7.8 7.8	216 220	17 .85 36	10 .82 34	16 .70 30	--	83 1.66	--	8.0 .23	--	-- --	-- --	131	84 1	0.8 1.0	
04/26/85 1345	5050 5050		10.4 108	63.7F 17.6C	7.8 7.5	177 190	17 .85 39	9.0 .74 34	14 .61 28	--	75 1.50	--	6.0 .17	--	-- 104	-- --	124	80 5	0.7 0.9	
05/30/85 1055	5050 5050		10.3 111	66.6F 19.2C	7.8 7.9	249 238	19 .95 33	11 .90 32	23 1.00 35	--	87 1.74	--	8.0 .23	--	-- 184	-- --	148	92 6	1.0 1.9	
06/26/85 1250	5050 5050		8.4 97	73.0F 22.8C	7.8 7.8	212 196	14 .70 34	8.0 .66 32	16 .70 34	--	76 1.52	--	6.0 .17	--	-- 144	-- --	136	68 0	0.8 1.1	
07/30/85 1200	5050 5050		7.8 88	71.2F 21.9C	7.9 8.0	216 199	14 .70 35	8.0 .66 33	15 .65 32	--	--	--	6.0 .17	--	-- 94	-- --	123	68	0.0	
08/15/85 0945	5050 5050	15.75	6.5 72	69.3F 20.7C	8.0 8.4	199 198	13 .65 34	8.0 .66 34	14 .61 32	--	79 1.58	--	6.0 .17	--	-- 138	-- --	121	66 0	0.7 0.9	
09/19/85 0730	5050 5050	14.95	8.0 85	65.5F 18.6C	7.9 8.4	245 244	16 .80 33	10 .82 34	18 .78 32	1.7 .04 2	92 1.84 75	17 .35 14	9.0 .25 10	.4 .01 0	.1	-- --	152 127	81 0	0.9 1.2	
AO 2195.01					SACRAMENTO R BL KNIGHTS LANDING							A07C0								
10/30/84 1200	5050 5050		10.1 98	57.2F 14.0C	7.6	162	--	--	--	--	--	--	--	--	-- 56F	-- --				
02/25/85 1305	5050 5050		10.9 103	55.4F 13.0C	7.7	201	--	--	--	--	--	--	--	--	-- 56F	-- --				
04/29/85 1315	5050 5050		9.3 99	65.3F 18.5C	7.9 7.7	243 240	20 1.00 32	12 .99 32	26 1.13 36	--	88 1.76	--	10 .28	--	.1 214	-- --		100 12	1.1 1.7	S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	R.M. D	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TJPM	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
AC 2135.01							SACRAMENTO R AL MIGHTS LANDING								AC7CO CONTINUED					
07/30/85 1150	5050 5050		8.7 9.9	71.6F 22.0C	7.4	191	--	--	--	--	--	--	--	--	-- 144F	-- --				
08/26/85 1240	5050 5050		8.4 9.7	73.4F 23.0C	7.9	259	--	--	--	--	--	--	--	--	-- 124F	-- --				
AC 2230.02							SACRAMENTO R AT COLUSA BASIN CR								AC740					
10/30/84 1045	5050 5050	A900E	13.3 10.0	57.2F 14.0C	7.7	147	--	--	--	--	--	--	--	--	-- 1AF	-- --				
11/29/84 1110	5050 5050	24100	10.9 9.8	50.0F 10.0C	7.4	148	--	--	--	--	--	--	--	--	-- 9AF	-- --				
02/25/85 1225	5050 5050	7740	11.0 10.4	55.4F 13.0C	7.8	175	--	--	--	--	--	--	--	--	-- 5AF	-- --				
03/28/85 1140	5050 5050	8315	10.8 9.7	52.7F 11.5C	7.9	190	--	--	--	--	--	--	--	--	-- 5AF	-- --				
04/29/85 1009	5050 5050	4390	9.4 9.7	62.6F 17.0C	7.6	185	--	--	--	--	--	--	--	--	-- 8AF	-- --				
05/29/85 1129	5050 5050	5380	9.7 10.4	66.2F 19.0C	7.8 7.6	144 187	14 .70 37	8.0 .66 35	12 .52 28	--	73 1.46	--	6.0 .17	--	.1 9AF	-- --		88 0	0.6 0.8	5
06/26/85 1105	5050 5050	5420	8.9 10.0	70.7F 21.9C	7.9	156	--	--	--	--	--	--	--	--	-- 7AF	-- --				
07/30/85 1025	5050 5050	6090	8.8 9.8	69.6F 21.0C	7.6	149	--	--	--	--	--	--	--	--	-- 5AF	-- --				
08/28/85 1200	5050 5050	3920	8.6 9.8	71.5F 22.0C	7.7	191	--	--	--	--	--	--	--	--	-- 9AF	-- --				
09/26/85 1100	5050 5050	3830	9.6 10.7	69.8F 21.0C	8.1	181	--	--	--	--	--	--	--	--	-- 8AF	-- --				
AO 2420.00							SACRAMENTO R A COLUSA								AC74C					
10/30/84 0900	5050 5050	42.81 7340	10.5 9.9	55.4F 13.0C	7.9	138	--	--	--	--	--	--	--	--	-- 2AF	-- --				
11/29/84 0910	5050 5050	40.87 32200	10.9 9.5	49.1F 9.5C	7.4	119	--	--	--	--	--	--	--	--	-- 140AF	-- --				
12/27/84 1050	5050 5050	46.99 17040	11.7 10.1	48.2F 9.0C	7.5	165	--	--	--	--	--	--	--	--	-- 4AF	-- --				
01/27/85 1205	5050 5050	44.43 9220	11.7 10.1	48.2F 9.0C	7.4	163	--	--	--	--	--	--	--	--	-- 3AF	-- --				
02/25/85 0943	5050 5050	43.53 8240	11.0 10.3	54.5F 12.5C	7.8 8.0	162 171	13 .65 40	7.0 .58 36	9.6 .35 24	--	65 1.30	--	4.0 .11	--	.0 4A	-- --		62 0	0.5 0.6	5
03/28/85 0950	5050 5050	44.39 3040	11.1 9.8	50.0F 10.0C	7.6	157	--	--	--	--	--	--	--	--	-- 5AF	-- --				
04/29/85 0815	5050 5050	41.55 8340	10.1 10.4	62.6F 17.0C	8.2	175	--	--	--	--	--	--	--	--	-- 2AF	-- --				
05/29/85 0910	5050 5050	42.38 6720	9.9 10.0	60.8F 16.0C	7.9	151	--	--	--	--	--	--	--	--	-- 5AF	-- --				
06/26/85 0905	5050 5050	42.64 7370	9.5 10.1	65.3F 18.5C	7.9	146	--	--	--	--	--	--	--	--	-- 4AF	-- --				
07/30/85 0830	5050 5050	42.74 7530	9.7 10.4	66.2F 19.0C	8.0	131	--	--	--	--	--	--	--	--	-- 2AF	-- --				
08/28/85 0853	5050 5050	40.56 5240	9.1 10.3	71.6F 22.0C	7.9	149	--	--	--	--	--	--	--	--	-- 3AF	-- --				
09/26/85 0903	5050 5050	39.27 4710	9.4 10.7	71.6F 22.0C	7.7	163	--	--	--	--	--	--	--	--	-- 2AF	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TIRA	F SIO2	TDS SUM	TH HCH	SAR ASAR	RPM
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
	40	2500.00			SACRAMENTO R A NUTTE CITY							A0700								
11/29/84 0820	5050 5050	31500	11.0 96	49.1F 9.5C	7.3	114	--	--	--	--	--	--	--	--	-- 1364F	-- --				
01/27/85 1105	5050 5050	8620	12.0 103	47.3F 8.5C	7.4	174	--	--	--	--	--	--	--	--	-- 34F	-- --				
03/28/85 0850	5050 5050	8280	11.0 95	48.2F 9.0C	7.3	164	--	--	--	--	--	--	--	--	-- 48F	-- --				
05/29/85 0830	5050 5050	6340	10.5 104	59.0F 15.0C	7.8	150	12 .60 41	6.0 .49 33	9.0 .39 26	--	63 1.28	--	4.0 .11	--	.1 48	-- --		54 0	0.5 0.6	
07/30/85 0730	5050 5050	7580	9.5 100	64.4F 18.0C	7.6	131	--	--	--	--	--	--	--	--	-- 34F	-- --				
09/26/85 0815	5050 5050	4450	9.3 101	67.1F 19.5C	7.4	149	--	--	--	--	--	--	--	--	-- 54F	-- --				
	40	2630.00			SACRAMENTO R A HAMILTON CITY							A1380								
11/29/84 0749	5050 5050	33.70 23700	11.5 100	48.2F 9.0C	7.1	116	--	--	--	--	--	--	--	--	-- 5448F	-- --				
01/27/85 1030	5050 5050	29.27 4010	11.6 99	47.3F 9.5C	7.4	190	--	--	--	--	--	--	--	--	-- 24F	-- --				
03/28/85 0820	5050 5050	29.62 7520	10.3 89	48.2F 9.0C	7.2	141	--	--	--	--	--	--	--	--	-- 54F	-- --				
05/29/85 0749	5050 5050	29.31 6550	10.1 100	59.0F 15.0C	7.6 7.7	146 191	14 .70 41	7.0 .58 34	10 .44 26	--	64 1.28	--	4.0 .11	--	.1 94	-- --		64 0	0.5 0.6	5
07/30/85 0700	5050 5050	29.66	9.8 101	62.6F 17.0C	7.6	131	--	--	--	--	--	--	--	--	-- 24F	-- --				
09/26/85 0740	5050 5050	28.55	9.1 98	66.2F 19.0C	7.4	149	--	--	--	--	--	--	--	--	-- 34F	-- --				
	40	2759.00			SACRAMENTO R BL RED BLUFF DIV DM							A1380								
10/26/84 0825	5050 5050	5300	10.6 103	57.2F 14.0C	7.4	137	--	--	--	--	--	--	--	--	-- 44F	-- --				
11/19/84 0830	5050 5050	21960	10.6 99	53.6F 12.0C	7.4	137	--	--	--	--	--	--	--	--	-- 74F	-- --				
12/17/84 0955	5050 5050	14000	11.3 99	49.1F 9.5C	7.3	135	--	--	--	--	--	--	--	--	-- 94F	-- --				
01/22/85 1015	5050 5050	7320	11.6 101	48.2F 9.0C	7.4	131	--	--	--	--	--	--	--	--	-- 24F	-- --				
02/20/85 0845	5050 5050	6600	10.9 95	48.2F 9.0C	7.6	137	--	--	--	--	--	--	--	--	-- 34F	-- --				
03/19/85 0935	5050 5050	5300	12.0 112	53.6F 12.0C	7.7 6.4	144 156	12 .60 41	6.0 .49 33	9.0 .39 26	--	64 1.28	--	4.0 .11	--	.6 14	-- --		54 0	0.5 0.6	5
04/25/85 0830	5050 5050	6240	11.7 109	53.6F 12.0C	7.6	144	--	--	--	--	--	--	--	--	-- 34F	-- --				
05/22/85 1250	5050 5050	6960	11.5 114	58.6F 14.8C	7.8	131	--	--	--	--	--	--	--	--	-- 24F	-- --				
06/24/85 0715	5050 5050	10400	11.0 107	57.2F 14.0C	7.9	131	--	--	--	--	--	--	--	--	-- 34F	-- --				
07/23/85 0745	5050 5050	14000	10.7 104	57.2F 14.0C	7.4	127	--	--	--	--	--	--	--	--	-- 34F	-- --				
08/26/85 0735	5050 5050	6960	9.6 102	64.4F 18.0C	7.7	129	--	--	--	--	--	--	--	--	-- 34F	-- --				
09/13/85 0730	5050 5050	4560	9.7 101	62.6F 17.0C	7.3	126	--	--	--	--	--	--	--	--	-- 44F	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DT SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	40	2759.00			TEHAMA COLUSA CANAL NR RED BLUFF							41380								
10/24/84	5050		10.2	57.2F	7.6	143	--	--	--	--	--	--	--	--	--	--				
0715	5050	715	99	14.0C											34F	--				
11/19/84	5050		10.6	53.6F	7.4	147	--	--	--	--	--	--	--	--	--	--				
0755	5050	115	99	12.0C											124F	--				
12/17/84	5050		10.9	49.1F	7.3	138	--	--	--	--	--	--	--	--	--	--				
0915	5050	115	94	9.5C											54F	--				
01/23/85	5050		11.3	49.1F	7.4	154	--	--	--	--	--	--	--	--	--	--				
0940	5050	115	99	9.5C											34F	--				
02/20/85	5050		10.6	49.1F	7.6	150	--	--	--	--	--	--	--	--	--	--				
0910	5050	176	93	9.5C											64F	--				
03/19/85	5050		11.2	53.6F	7.7	149	--	--	--	--	--	--	--	--	--	--				
0830	5050	115	104	12.0C											24F	--				
04/25/85	5050		11.1	53.6F	7.9	148	--	--	--	--	--	--	--	--	--	--				
0755	5050	1540	103	12.0C											34F	--				
05/22/85	5050		11.0	58.6F	7.6	132	11	5.0	8.0	--	58	--	3.0	--	.1	--		48	0.5	
1215	5050	1403	109	14.5C	8.0	135	.55	.41	.35		1.12		.08		14	--		0	0.5	
							42	31	27											S
06/26/85	5050		10.9	57.2F	7.9	138	--	--	--	--	--	--	--	--	--	--				
0845	5050	1688	106	14.0C											34F	--				
07/23/85	5050		10.1	58.1F	7.8	131	--	--	--	--	--	--	--	--	--	--				
0710	5050	1420	99	14.5C											34F	--				
08/26/85	5050		9.5	64.4F	7.7	129	--	--	--	--	--	--	--	--	--	--				
1110	5050	834	101	18.0C											24F	--				
09/13/85	5050		9.5	62.6F	7.4	129	--	--	--	--	--	--	--	--	--	--				
0700	5050	990	99	17.0C											34F	--				
	40	2785.00			SACRAMENTO R A BEND BR							41740								
10/24/84	5050	8.94	10.1	59.0F	7.4	143	--	--	--	--	--	--	--	--	--	--				
1124	5050	4775	101	15.0C											34F	--				
11/21/84	5050	13.66	10.5	51.8F	7.3	111	--	--	--	--	--	--	--	--	--	--				
0745	5050	15490	96	11.0C											34F	--				
12/19/84	5050	12.12	12.5	48.2F	7.1	136	--	--	--	--	--	--	--	--	--	--				
1035	5050	11680	109	9.0C											44F	--				
01/16/85	5050	18.36	11.7	48.2F	7.3	149	--	--	--	--	--	--	--	--	--	--				
0810	5050	4836	102	9.0C											34F	--				
02/14/85	5050	18.01	11.7	50.0F	7.7	155	--	--	--	--	--	--	--	--	--	--				
1330	5050	3773	104	10.0C											34F	--				
03/12/85	5050	18.28	11.4	50.0F	7.4	150	--	--	--	--	--	--	--	--	--	--				
0800	5050	4410	102	10.0C											44F	--				
04/17/85	5050	18.48	10.9	55.4F	7.6	139	--	--	--	--	--	--	--	--	--	--				
	5050	4900	104	13.0C											34F	--				
05/23/85	5050	18.98	10.7	57.2F	7.5	137	11	5.0	8.0	--	58	--	3.0	--	.0	--		48	0.5	
0855	5050	6200	104	14.0C	8.4	134	.55	.41	.35		1.18		.08		24	--		0	0.5	
							42	31	27											S
06/1-/85	5050	19.39	10.5	57.2F	7.3	132	--	--	--	--	--	--	--	--	--	--				
1050	5050	8490	102	14.0C											34F	--				
																				S
07/25/85	5050	11.22	10.6	57.2F	7.4	130	--	--	--	--	--	--	--	--	--	--				
0715	5050	9450	97	14.0C											34F	--				
																				S
08/21/85	5050	10.55	10.0	59.0F	7.3	128	--	--	--	--	--	--	--	--	--	--				
1100	5050	7700	100	15.0C											34F	--				
																				S
09/24/85	5050	8.70	9.4	62.6F	7.3	137	--	--	--	--	--	--	--	--	--	--				
0705	5050	3404	94	17.0C											24F	--				
																				S
	40	2926.00			R-O 1500 OR SLU TO SAC SLU NR PARNAK							41740								
10/30/84	5050		11.0	57.2F	8.1	1140	--	--	--	--	--	--	--	--	--	--				
1030	5050	0	104	14.0C											194F	--				
																				S
11/29/84	5050		9.0	50.0F	7.7	885	--	--	--	--	--	--	--	--	--	--				
1055	5050	0	86	10.0C											474F	--				
																				S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	CAB ASAB	PER
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER			
AO	2926.00			R-O 1500 DR SLU TO SAC SLU NR KARNAK								AC740 CONTINUED								
01/27/85 1345	5050 5050	0	10.6 91	48.2F 9.0C	8.2 8.3	1480 1560	58 2.89 20	63 5.18 36	147 6.39 44	--	303 6.05	--	242 7.39	--	.2 21A	-- --		404 101	3.2 7.9	5
03/28/85 1125	5050 5050	0	11.3 107	55.4F 11.0C	8.3	1280	--	--	--	--	--	--	--	--	-- 94F	-- --				
04/29/85 0950	5050 5050	0	8.2 90	66.0F 20.0C	7.8	646	--	--	--	--	--	--	--	--	-- 39AF	-- --				
05/29/85 1110	5050 5050	0	8.2 88	66.2F 19.0C	7.6	539	--	--	--	--	--	--	--	--	-- 20AF	-- --				
06/26/85 1050	5050 5050	0	6.5 78	77.0F 25.0C	7.6 6.2	466 472	28 1.40 10	19 1.56 13	39 1.70 38	--	156 3.12	--	43 1.21	--	.2 93A	-- --		148 0	1.4 2.6	5
07/30/85 1005	5050 5050	0	7.6 89	74.3F 23.5C	7.6	211	--	--	--	--	--	--	--	--	-- 0AF	-- --				
08/28/85 1040	5050 5050	0	7.1 82	73.4F 23.0C	7.3	478	--	--	--	--	--	--	--	--	-- 24AF	-- --				
09/26/85 1040	5050 5050	0	7.6 88	73.4F 23.0C	8.0	862	--	--	--	--	--	--	--	--	-- 29AF	-- --				
AO	2927.00			SUTTER BP A R-O 1500 PP A KARNAK								AC740								
10/30/84 1020	5050 5050	381	9.2 91	39.0F 15.0C	7.3	277	--	--	--	--	--	--	--	--	-- 14AF	-- --				
11/29/84 1050	5050 5050	9800	9.8 86	49.1F 9.5C	7.3	189	--	--	--	--	--	--	--	--	-- 25AF	-- --				
12/27/84 1215	5050 5050	581	11.5 95	44.6F 7.0C	7.6	332	--	--	--	--	--	--	--	--	-- 17AF	-- --				
01/27/85 1330	5050 5050	57A	11.4 98	48.2F 9.0C	7.6 8.2	395 408	29 1.45 34	21 1.73 40	26 1.13 26	--	176 3.52	--	14 .45	--	.1 21A	-- --		159 0	0.9 1.7	5
02/25/85 1240	5050 5050	36A	10.1 100	59.0F 15.0C	8.0 8.2	406 428	36 3.80 34	27 2.22 42	29 1.26 24	--	184 3.68	--	17 .48	--	.0 11A	-- --		201 17	0.9 1.8	5
03/28/85 1115	5050 5050	768	10.0 93	53.6F 12.0C	7.6	252	--	--	--	--	--	--	--	--	-- 19AF	-- --				
04/29/85 0935	5050 5050	609	8.7 92	65.3F 18.5C	7.6	266	--	--	--	--	--	--	--	--	-- 19AF	-- --				
05/29/85 1055	5050 0000	1210	7.8 83	65.3F 18.5C	7.7	274	--	--	--	--	--	--	--	--	-- 19AF	-- --				
06/26/85 1045	5050 5050	855	6.6 79	77.0F 25.0C	7.8	359	--	--	--	--	--	--	--	--	-- 25AF	-- --				
07/30/85 0955	5050 5050	1200E	6.6 78	75.2F 24.0C	7.4	268	--	--	--	--	--	--	--	--	-- 13AF	-- --				
08/28/85 1025	5050 5050	1050	6.8 79	73.4F 23.0C	7.4	300	--	--	--	--	--	--	--	--	-- 21AF	-- --				
09/26/85 1030	5050 5050	823	7.6 86	71.6F 22.0C	7.6	345	--	--	--	--	--	--	--	--	-- 24AF	-- --				
AO	2933.00			R-O 10A DR TO SAC R								AC740								
10/30/84 1125	5050 5050	0	7.6 75	59.0F 15.0C	8.0	465	--	--	--	--	--	--	--	--	-- 34AF	-- --				
11/29/84 1150	5050 5050	0	9.7 88	50.0F 10.0C	7.8	654	--	--	--	--	--	--	--	--	-- 39AF	-- --				
12/27/84 1345	5050 5050	0	11.9 95	42.8F 6.0C	8.2 8.8	1140 1170	46 2.30 19	49 4.03 33	138 6.00 49	--	318 6.35	--	81 2.28	--	.4 31A	-- --		317 0	3.4 8.2	5
01/27/85 1490	5050 5050	0	10.0 88	50.0F 10.0C	8.2	1290	--	--	--	--	--	--	--	--	-- 3AF	-- --				
02/25/85 1130	5050 5050	0	8.7 82	55.4F 13.0C	8.2	1378	--	--	--	--	--	--	--	--	-- 25AF	-- --				
03/28/85 1235	5050 5050	0	10.4 104	59.9F 15.5C	8.1	487	--	--	--	--	--	--	--	--	-- 43AF	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY RH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
AC 2933.00				R-D 104 DR TO SAC R								AC740 CONTINUED								
04/29/85 1100	5050 5050	0	8.6 97	70.7F 21.5C	8.0	593	--	--	--	--	--	--	--	--	-- 31AF	-- --				
05/29/85 1225	5050 5050	0	7.7 87	71.6F 22.0C	7.9	591	--	--	--	--	--	--	--	--	-- 43AF	-- --				
06/26/85 1155	5050 5050	0	7.0 90	84.2F 29.0C	7.8	487	--	--	--	--	--	--	--	--	-- 25AF	-- --				
07/30/85 1105	5050 5050	0	8.6 79	76.1F 24.5C	7.4	167	--	--	--	--	--	--	--	--	-- 14F	-- --				
08/28/85 1155	5050 5050	0	8.6 78	73.4F 23.0C	7.4	512	--	--	--	--	--	--	--	--	-- 43AF	-- --				
09/26/85 1155	5050 5050	107	8.5 78	77.0F 25.0C	7.9	861	--	--	--	--	--	--	--	--	-- 42AF	-- --				
AO 2947.10				COLUSA RAS OR NR KNIGHTS LOG								AO781								
10/30/84 1100	5050 5050	22.01 985	9.4 92	58.1F 14.5C	7.9	507	--	--	--	--	--	--	--	--	-- 38AF	-- --				
11/29/84 1135	5050 5050	223	9.7 86	50.0F 10.0C	7.6	629	--	--	--	--	--	--	--	--	-- 72AF	-- --				
12/27/84 1330	5050 5050	243	11.5 95	44.6F 7.0C	8.1	1019	--	--	--	--	--	--	--	--	-- 26AF	-- --				
01/27/85 1435	5050 5050	397	9.9 85	48.2F 9.0C	8.2	1140	--	--	--	--	--	--	--	--	-- 31AF	-- --				
02/25/85 1200	5050 5050	23.08 174	9.6 93	57.2F 14.0C	8.2	1340	--	--	--	--	--	--	--	--	-- 25AF	-- --				
03/28/85 1215	5050 5050	23.07 270	10.1 91	51.8F 11.0C	8.2	1083	--	--	--	--	--	--	--	--	-- 14AF	-- --				
04/29/85 1045	5050 5050	176	8.3 90	67.1F 19.5C	7.9	402	21	13	40	--	129	--	18	--	.2 54A	-- --		114 0	1.6 2.7	S
					8.4	402	1.05 26	1.23 31	1.74 43		2.58		.51							
05/29/85 1205	5050 5050	24.96 1330	7.8 85	68.0F 20.0C	7.5	440	--	--	--	--	--	--	--	--	-- 44AF	-- --				
06/26/85 1135	5050 5050	738	6.3 77	78.8F 26.0C	7.8	482	--	--	--	--	--	--	--	--	-- 40AF	-- --				
07/30/85 1045	5050 5050	25.86 1030	6.7 85	82.4F 28.0C	7.7	399	--	--	--	--	--	--	--	--	-- 67AF	-- --				
08/28/85 1130	5050 5050	1740	7.0 80	72.5F 22.5C	7.7	400	--	--	--	--	--	--	--	--	-- 39AF	-- --				
09/26/85 1135	5050 5050	831	7.2 82	71.6F 22.0C	7.9	473	--	--	--	--	--	--	--	--	-- 45AF	-- --				
AO 2956.00				R-D 787 DRAINAGE TO COLUSA RAS DRAIN								AO740								
10/30/84 1055	5050 5050	0	9.8 97	59.0F 15.0C	8.3	840	--	--	--	--	--	--	--	--	-- 33AF	-- --				
01/27/85 1425	5050 5050	0	12.3 104	46.4F 8.0C	8.1	833	--	--	--	--	--	--	--	--	-- 15AF	-- --				
02/25/85 1155	5050 5050	0	8.2 80	57.2F 14.0C	7.9	863	--	--	--	--	--	--	--	--	-- 38AF	-- --				
03/28/85 1205	5050 5050	0	9.3 84	51.8F 11.0C	8.2	821	--	--	--	--	--	--	--	--	-- 23AF	-- --				
04/29/85 1030	5050 5050	0	8.6 93	67.1F 19.5C	7.5	238	--	--	--	--	--	--	--	--	-- 27AF	-- --				
05/29/85 1150	5050 5050	0	8.4 91	67.1F 19.5C	7.8 8.1	667 843	36 23 1.80	33 34 2.71	78 43 3.39	--	205 4.10	--	36 1.02	--	.7 20A	-- --		226 21	2.3 4.8	S
06/26/85 1125	5050 5050	0	13.8 172	80.6F 27.0C	8.6 8.2	339 342	18 26 .90	16 38 1.32	25 36 1.26	--	133 2.66	--	11 .31	--	.4 34A	-- --		111 0	1.2 2.0	S
07/30/85 1045	5050 5050	0	7.1 85	77.0F 25.0C	8.0	136	--	--	--	--	--	--	--	--	-- 34F	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER A THRO	F CLOP	TDS SUM	TH NCH	SAR ASAR	REM
	AO	2950.00			R-D 787 DRAINAGE TO COLUSA MAIN DRAIN							AC740 CONTINUED								
08/28/85 1125	5050 5050	3.7	6.6 76	73.4F 23.0C	7.8	617	--	--	--	--	--	--	--	--	-- 824F	-- --				
09/26/85 1125	5050 5050	0	6.6 79	77.0F 25.0C	8.1	730	--	--	--	--	--	--	--	--	-- 1654F	-- --				
	AO	2955.00			R-D 787 DRAINAGE TO SACRAMENTO R							A0740								
11/29/84 1205	5050 5050	0	9.2 84	52.7F 11.5C	7.6	524	--	--	--	--	--	--	--	--	-- 938F	-- --				
12/27/84 1405	5050 5050	0	8.8 78	50.0F 10.0C	7.7	622	--	--	--	--	--	--	--	--	-- 958F	-- --				
01/27/85 1505	5050 5050	0	9.8 83	46.4F 8.0C	8.0	871	--	--	--	--	--	--	--	--	-- 154F	-- --				
03/28/85 1250	5050 5050	0	11.7 108	53.6F 12.0C	8.4	1028	--	--	--	--	--	--	--	--	-- 138F	-- --				
04/29/85 1115	5050 5050	0	10.2 110	67.1F 19.5C	8.0	238	--	--	--	--	--	--	--	--	-- 328F	-- --				
05/29/85 1245	5050 5050	0	7.5 82	68.0F 20.0C	7.5	444	--	--	--	--	--	--	--	--	-- 238F	-- --				
06/26/85 1210	5050 5050	0	7.8 94	77.0F 25.0C	7.5	475	--	--	--	--	--	--	--	--	-- 298F	-- --				
07/30/85 1120	5050 5050	23	4.4 50	72.5F 22.5C	7.1	283	--	--	--	--	--	--	--	--	-- 638F	-- --				
08/28/85 1210	5050 5050	0	6.2 72	74.3F 23.5C	7.4	590	28	25	60	--	189	--	34	--	.5 35A	-- --		173 0	2.0 3.9	5
					8.6	584	1.40 23	2.06 34	2.61 43		3.78		.96							
09/26/85 1210	5050 5050	0	14.0 165	75.2F 24.0C	8.6	477	--	--	--	--	--	--	--	--	-- 394F	-- --				5
	AO	2965.00			RD 70 OR TO SACRAMENTO R							A0740								
10/30/84 0940	5050 5050	0	6.8 66	57.2F 14.0C	7.9	650	--	--	--	--	--	--	--	--	-- 374F	-- --				5
11/29/84 1005	5050 5050	30	8.3 77	53.6F 12.0C	7.4	602	--	--	--	--	--	--	--	--	-- 234F	-- --				5
02/25/85 1030	5050 5050	0	8.6 82	56.3F 13.5C	7.8	879	--	--	--	--	--	--	--	--	-- 258F	-- --				5
03/28/85 1035	5050 5050	0	9.2 84	52.7F 11.5C	8.0	418	--	--	--	--	--	--	--	--	-- 158F	-- --				5
04/29/85 0900	5050 5050	0	9.6 106	68.9F 20.5C	8.1	270	--	--	--	--	--	--	--	--	-- 288F	-- --				5
05/29/85 1010	5050 5050	19	7.7 79	62.6F 17.0C	7.7 7.9	328 317	21 1.05 33	14 1.15 36	23 1.0C 31	--	116 2.32	--	18 .51	--	.3 56A	-- --		110 0	1.0 1.6	5
06/26/85 1000	5050 5050	0	6.5 77	75.2F 24.0C	7.8	321	--	--	--	--	--	--	--	--	-- 498F	-- --				5
07/30/85 0935	5050 5050	23	6.4 72	70.7F 21.5C	7.5	105	--	--	--	--	--	--	--	--	-- 14F	-- --				5
08/28/85 0945	5050 5050	0	6.9 79	72.5F 22.5C	7.6	317	--	--	--	--	--	--	--	--	-- 438F	-- --				5
09/26/85 0945	5050 5050	0	10.0 114	71.6F 22.0C	8.3	472	--	--	--	--	--	--	--	--	-- 138F	-- --				5
	AO	2972.00			BUTTE SLU NR MERIDIAN							A07C0								
10/30/84 0920	5050 5050	274	6.6 64	57.2F 14.0C	7.2	251	--	--	--	--	--	--	--	--	-- 94F	-- --				5
11/29/84 0948	5050 8050	48.18 2230	9.7 89	49.1F 9.5C	7.3	392	--	--	--	--	--	--	--	--	-- 338F	-- --				5
12/27/84 1115	5050 5050		11.1 91	44.6F 7.0C	7.4	299	--	--	--	--	--	--	--	--	-- 138F	-- --				5
01/27/85 1230	5050 5050	300	11.1 94	46.4F 8.0C	7.4 8.2	326 342	25 1.24 39	17 1.40 39	21 .91 28	--	190 3.0C	--	10 .28	--	.1 254	-- --		133 0	0.8 1.4	5

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	OD SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	BEM
	AC 2072.00				BUTTE SLU NO MERIDIAN							ACTCO CONTINUED								
02/24/85 1005	5050 5050	41.30 21A	9.4 91	57.2F 14.0C	7.7	286	--	--	--	--	--	--	--	--	-- 244F	-- --				
03/26/85 1010	5050 5050	42.60 423	10.2 91	50.9F 10.5C	7.5	225	--	--	--	--	--	--	--	--	-- 494F	-- --				
04/29/85 0840	5050 5050	41.40 249	7.2 79	68.0F 20.0C	7.3	259	--	--	--	--	--	--	--	--	-- 174F	-- --				
05/29/85 0945	5050 5050	42.86 432	7.6 83	68.0F 20.0C	7.3	232	--	--	--	--	--	--	--	--	-- 114F	-- --				
06/26/85 0935	5050 5050	43.09 487	6.6 79	77.0F 25.0C	7.4	283	--	--	--	--	--	--	--	--	-- 124F	-- --				
07/30/85 0855	5050 5050	44.35 689	6.6 78	75.2F 24.0C	7.3	191	--	--	--	--	--	--	--	--	-- 144F	-- --				
08/28/85 0920	5050 5050	45.28 891	6.5 75	73.4F 23.0C	7.2 8.4	274 285	24 1.20 38	15 1.23 39	18 .70 22	--	141 2.82	--	4.0 .11	--	.1 94	-- --		122 0	0.6 1.1	5
09/26/85 0920	5050 5050	41.41 388	6.4 74	73.4F 23.0C	7.2	349	--	--	--	--	--	--	--	--	-- 284F	-- --				
	AO 2974.00				COLUSA BAS OR 4 HWY 20							407B1								
10/30/84 0845	5050 5050	40.04 461	9.6 91	55.4F 13.0C	7.9	508	--	--	--	--	--	--	--	--	-- 234F	-- --				
11/29/84 0855	5050 5050	45.47 1470	9.8 86	49.1F 9.5C	7.5	470	--	--	--	--	--	--	--	--	-- 120AF	-- --				
12/27/84 1025	5050 5050	39.01 313	12.3 101	44.6F 7.0C	8.1	959	--	--	--	--	--	--	--	--	-- 144F	-- --				
01/27/85 1140	5050 5050	38.42 211	11.6 99	47.3F 8.5C	8.0	1120	--	--	--	--	--	--	--	--	-- 164F	-- --				
02/25/85 0920	5050 5050	38.10 158	9.5 90	55.4F 13.0C	8.1	1000	--	--	--	--	--	--	--	--	-- 304F	-- --				
03/28/85 0930	5050 5050	38.58 233	10.7 95	50.0F 10.0C	8.2 8.2	907 932	51 2.54 23	38 3.13 28	123 5.35 49	--	235 4.70	--	63 1.78	--	.3 314	-- --		284 49	3.2 7.1	5
04/29/85 0745	5050 5050	38.61 243	8.1 85	64.4F 18.0C	8.2	441	--	--	--	--	--	--	--	--	-- 554F	-- --				
05/29/85 0900	5050 5050	39.01 313	6.8 93	64.4F 18.0C	7.8	454	--	--	--	--	--	--	--	--	-- 534F	-- --				
06/26/85 0845	5050 5050	42.05 904	7.3 85	73.4F 23.0C	7.8	442	--	--	--	--	--	--	--	--	-- 234F	-- --				
07/30/85 0800	5050 5050	44.35 1398	7.6 88	70.7F 21.5C	7.5	306	--	--	--	--	--	--	--	--	-- 374F	-- --				
08/28/85 0835	5050 5050	48.81 1608	7.9 86	68.0F 20.0C	7.4	371	--	--	--	--	--	--	--	--	-- 204F	-- --				
09/26/85 0845	5050 5050	41.70 730	7.1 73	62.6F 17.0C	7.6	440	--	--	--	--	--	--	--	--	-- 254F	-- --				
	AO 3220.01				THOMES C & RICHFIELD							413B0								
12/17/84 1120	5050 5050	450E	12.5 105	45.5F 7.5C	7.7	205	--	--	--	--	--	--	--	--	-- 54F	-- --				
08/24/85 0819	5050 5050	2E	8.0 92	71.6F 22.0C	7.5	320	--	--	--	--	--	--	--	--	-- 24F	-- --				
	AO 3326.00				ELDER C & GERBER							413B0								
12/17/84 1055	5050 5050	74E	12.0 99	44.6F 7.0C	7.9	310	--	--	--	--	--	--	--	--	-- 24F	-- --				
06/24/85 0800	5050 5050	3E	9.1 100	68.0F 20.0C	8.1	452	--	--	--	--	--	--	--	--	-- 24F	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B THPA	F SIO2	TDS SUM	TH NCH	SAR 45AR	REM
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
	AO	3400.00			RED BANK C NR RED BLUFF							A1380								
01/22/85	5050	3.98	12.2	53.6F	8.2	504	--	--	--	--	--	--	--	--	--	--				
1350	5050	6.6	115	12.0C											1AF	--				
	AO	3500.00			THOMES C A PASKENTA							A1380								
10/26/84	5050	2.02	10.7	66.2F	8.3	364	--	--	--	--	--	--	--	--	--	--				
1105	5050	17	117	19.0C											2AF	--				
11/19/84	5050	3.85	11.8	48.2F	7.5	139	--	--	--	--	--	--	--	--	--	--				
1105	5050	519	102	9.0C											20AF	--				
12/17/84	5050	3.38	12.0	44.6F	7.6	181	--	--	--	--	--	--	--	--	--	--				
1305	5050	277	101	7.0C											9AF	--				
01/22/85	5050	3.02	12.5	48.2F	8.0	182	--	--	--	--	--	--	--	--	--	--				
1245	5050	200	110	9.0C											4AF	--				
02/20/85	5050	3.29	11.2	48.2F	7.8	162	--	--	--	--	--	--	--	--	--	--				
1135	5050	265	99	9.0C											9AF	--				
03/19/85	5050	3.07	11.2	55.4F	7.9	184	--	--	--	--	--	--	--	--	--	--				
1205	5050	206	108	13.0C											12AF	--				
04/25/85	5050	3.07	10.8	57.2F	8.0	175	--	--	--	--	--	--	--	--	--	--				
1200	5050	190	105	14.0C											4AF	--				
05/22/85	5050	2.67	8.6	79.2F	8.2	185	25	5.0	3.0	--	76	--	3.0	--	.0	--		83	0.1	
1535	5050	99	108	26.2C	8.0	193	1.25	.41	.13		1.52		.09		1A	--		7	0.2	
							70	23	7											5
06/24/85	5050	1.92	9.0	77.0F	8.5	266	--	--	--	--	--	--	--	--	--	--				
1045	5050	20	110	25.0C											2AF	--				
07/23/85	5050	1.57	9.5	87.8F	8.5	326	--	--	--	--	--	--	--	--	--	--				
1045	5050	3.4	129	31.0C											2AF	--				
08/26/85	5050	1.48	9.7	82.4F	8.3	360	--	--	--	--	--	--	--	--	--	--				
1010	5050	2.2	125	28.0C											2AF	--				
09/13/85	5050	1.74	10.1	71.6F	8.3	428	--	--	--	--	--	--	--	--	--	--				
1115	5050	10	117	22.0C											9AF	--				
	AO	3520.50			COTTONWOOD C A COTTONWOOD							A1780								
10/24/84	5050		10.6	62.6F	7.5	286	25	13	11	--	105	--	17	--	.0	--		116	0.4	
1100	5050	140	111	17.0C	8.0	287	1.25	1.07	.46		2.10		.48		3A	--		11	0.7	
							45	38	17											5
11/21/84	5050		11.0	48.2F	7.5	210	--	--	--	--	--	--	--	--	--	--				
0900	5050	1220	96	9.0C											9AF	--				
12/19/84	5050		11.9	41.0F	7.3	270	--	--	--	--	--	--	--	--	--	--				
1105	5050	678	94	5.0C											3AF	--				
01/16/85	5050		12.2	44.6F	7.9	296	--	--	--	--	--	--	--	--	--	--				
0925	5050	394	102	7.0C											1AF	--				
02/14/85	5050		11.2	50.0F	7.8	270	26	13	11	--	109	--	7.0	--	.0	--		119	0.4	
1300	5050	690	100	10.0C	8.2	280	1.30	1.07	.48		2.18		.20		2A	--		10	0.7	
							46	38	17											5
03/12/85	5050		11.0	51.8F	7.8	308	--	--	--	--	--	--	--	--	--	--				
0910	5050	487	101	11.0C											1AF	--				
04/17/85	5050		9.8	62.6F	8.0	220	--	--	--	--	--	--	--	--	--	--				
1220	5050	596	102	17.0C											3AF	--				
05/23/85	5050		8.9	71.6F	7.7	257	--	--	--	--	--	--	--	--	--	--				
0810	5050	204	102	22.0C											3AF	--				
06/14/85	5050		9.8	77.0F	7.9	254	--	--	--	--	--	--	--	--	--	--				
1020	5050	120	119	25.0C											2AF	--				
07/25/85	5050		7.5	77.0F	7.1	218	--	--	--	--	--	--	--	--	--	--				
0840	5050	49	91	25.0C											3AF	--				
08/21/85	5050		9.7	75.2F	7.3	223	--	--	--	--	--	--	--	--	--	--				
1025	5050	47	116	24.0C											2AF	--				
09/24/85	5050		8.5	64.4F	7.1	218	--	--	--	--	--	--	--	--	--	--				
0815	5050	100	90	18.0C											2AF	--				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	PER
							MILLIGRAMS PER LITER								MILLIGRAMS PER LITER					
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
AO 3449.00				COTTONWOOD C NF NR IGO								A1780								
11/21/84	5050	5.29	11.5	46.4F	7.4	137	--	--	--	--	--	--	--	--	--	--				
0955	5050	236	99	8.0C											44F	--				
01/16/85	5090	4.99	12.7	42.8F	7.8	195	--	--	--	--	--	--	--	--	--	--				
1020	5050	99	104	6.0C											14F	--				
03/12/85	5050	30.96	11.6	50.0F	7.6	158	--	--	--	--	--	--	--	--	--	--				
1005	5050	544	105	10.0C											14F	--				
05/23/85	5050	29.52	9.0	75.2F	8.0	215	21	7.0	11	--	77	--	11	--	.0	--		82	0.3	
0930	5050	11	108	24.0C	8.0	222	1.05	.58	.48		1.54		.31		1A	--		5	0.7	
							50	27	23											S
07/29/85	5050	29.28	8.5	80.6F	7.7	287	--	--	--	--	--	--	--	--	--	--				
0950	5050	1.1	108	27.0C											2AF	--				
09/24/85	5050	29.51	9.6	64.4F	7.9	242	--	--	--	--	--	--	--	--	--	--				
0920	5050	9.7	103	18.0C											1AF	--				
AO 3581.00				COTTONWOOD C NF NR GAS PT								A1780								
11/21/84	5050		11.9	46.4F	7.9	216	--	--	--	--	--	--	--	--	--	--				
0935	5050		102	8.0C											3AF	--				
03/12/85	5050		11.3	52.7F	8.1	292	--	--	--	--	--	--	--	--	--	--				
1045	5050		105	11.5C											1AF	--				
05/23/85	5050		9.1	69.8F	8.2	256	27	9.0	11	--	104	--	10	--	.0	--		105	0.3	
0855	5050		103	21.0C	8.0	262	1.33	.74	.48		2.08		.28		1A	--		1	0.7	
							53	29	18											S
07/29/85	5050		8.2	82.4F	8.2	330	--	--	--	--	--	--	--	--	--	--				
0925	5050		106	28.0C											1AF	--				
09/24/85	5050		8.7	71.6F	8.2	277	--	--	--	--	--	--	--	--	--	--				
0850	5050		101	22.0C											14F	--				
AO 3595.00				COTTONWOOD C SF NR COTTONWOOD								A1780								
11/21/84	5050		11.6	44.6F	7.6	216	--	--	--	--	--	--	--	--	--	--				
0830	5050	100E	99	8.0C											7AF	--				
01/16/85	5050		12.5	42.8F	7.9	344	--	--	--	--	--	--	--	--	--	--				
0855	5050	30E	102	6.0C											1AF	--				
03/12/85	5050		11.6	50.0F	7.9	326	--	--	--	--	--	--	--	--	--	--				
0945	5050	53E	104	10.0C											1AF	--				
05/23/85	5050		8.9	71.6F	8.2	248	29	8.0	12	--	99	--	12	--	.0	--		106	0.3	
0740	5050	30E	103	22.0C	7.9	260	1.45	.66	.52		1.98		.34		2A	--		7	0.8	
							55	25	20											S
09/24/85	5050		8.9	64.4F	7.8	340	--	--	--	--	--	--	--	--	--	--				
0750	5050	1E	95	18.0C											2AF	--				
AO 4321.01				OEER C A HWY 90E NR VINA								A1380								
11/30/84	5050		12.4	46.4F	7.4	107	--	--	--	--	--	--	--	--	--	--				
1100	5050	330	105	8.0C											3AF	--				
01/28/85	5050		12.2	41.0F	7.6	161	11	6.0	10	--	67	--	3.0	--	.1	--		52	0.6	
1725	5050	168	96	5.0C	8.1	149	.55	.49	.44		1.34		.08		3A	--		0	0.7	
							37	33	30											S
03/29/85	5050		12.8	50.0F	7.7	126	--	--	--	--	--	--	--	--	--	--				
1220	5050	249	114	10.0C											2AF	--				
																				S
05/30/85	5050		10.7	68.0F	8.3	197	11	6.0	10	--	69	--	4.0	--	.1	--		52	0.6	
1215	5050	144	118	20.0C	7.8	151	.55	.49	.44		1.38		.11		2A	--		0	0.7	
							37	33	30											S
07/31/85	5050		11.1	78.8F	8.4	301	--	--	--	--	--	--	--	--	--	--				
1335	5050	92	136	26.0C											9AF	--				
																				S
09/27/85	5050		9.8	73.4F	7.5	206	--	--	--	--	--	--	--	--	--	--				
1215	5050	90	112	23.0C											4AF	--				
																				S
AO 4426.50				MILL C NR MO NR LOS MOLINOS								A1380								
10/26/84	5050		11.2	55.4F	7.6	198	--	--	--	--	--	--	--	--	--	--				
0955	5050	139	107	13.0C											2AF	--				
																				S
11/19/84	5050		11.7	48.2F	7.4	149	--	--	--	--	--	--	--	--	--	--				
0950	5050	268	162	9.0C											3AF	--				
																				S
12/17/84	5050		13.0	43.7F	7.4	149	--	--	--	--	--	--	--	--	--	--				
1620	5050	230	166	6.5C											1AF	--				
																				S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. O	DO SAT	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TIRR	SIO2	TDS SUM	TH NCH	SAR ASAR	PER
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
AO 4420.30					MILL C NR MO NR LOS MOLINOS							A13RO CONTINUED								
01/22/83	5030		12.6	44.6F	7.7	193	12	5.0	16	--	49	--	17	--	.5	--		90	1.0	
1035	5030	141	104	7.0C	7.6	195	.60	.41	.7C		.98		.48		24	--		2	0.9	
							35	24	41											5
02/20/85	5050		11.6	46.4F	7.5	170	--	--	--	--	--	--	--	--	--	--				
0915	5050	207	48	8.0C											24F	--				
03/19/85	5050		11.5	51.8F	7.6	167	--	--	--	--	--	--	--	--	--	--				
0933	5050	214	105	11.0C											34F	--				
04/23/85	5050		11.1	51.8F	7.9	144	--	--	--	--	--	--	--	--	--	--				
0845	5030	235	101	11.0C											34F	--				
05/22/85	5050		9.9	71.6F	7.7	131	--	--	--	--	--	--	--	--	--	--				
1315	5030	240	113	22.0C											3AF	--				
06/24/85	5050		8.3	69.8F	7.3	196	14	5.0	15	--	51	--	16	--	.5	--		36	0.9	
0735	5030	137	93	21.0C	7.8	197	.70	.41	.65		1.02		.45		14	--		5	0.9	
							40	23	37											5
07/23/85	5050		6.2	73.2F	7.1	218	--	--	--	--	--	--	--	--	--	--				
0810	5030	113	74	24.0C											14F	--				
08/26/85	5050		6.2	73.4F	7.0	239	--	--	--	--	--	--	--	--	--	--				
0955	5030	97	72	23.0C											14F	--				
09/13/85	5050		10.0	58.1F	7.5	237	--	--	--	--	--	--	--	--	--	--				
0750	5030	119	98	14.5C											34F	--				
AO 4320.30					ANTELOPE C NR MO NR RED BLUFF							A13RO								
10/26/84	5050		9.2	59.0F	8.2	180	--	--	--	--	--	--	--	--	--	--				
0840	5030		91	15.0C											3AF	--				
02/20/85	5050		10.4	50.0F	7.3	152	--	--	--	--	--	--	--	--	--	--				
0855	5050		93	10.0C											34F	--				
AO 9103.00					FEATHER R A NICOLAUS							A05R2								
10/25/84	5030		10.2	63 F	7.4	90	9.0	4.0	4.C	--	36	--	2.0	--	--	--	36	39	0.3	
1200	5050		106	17 C	7.2	97	.45	.33	.17		.72		.06		14	--		3	0.3	
							47	35	18											
11/28/84	5030	24.06	10.8	50 F	7.2	103	8.0	4.0	3.0	1.1	34	4.0	4.0	1.3	.0	--	75	36	0.4	E
1110	5050		95	10 C	7.7	105	.40	.33	.22	.03	.68	.08	.11	.02		--	48	3	0.2	T
							41	34	22	3	76	9	12	2						
12/20/84	5030	24.80	10.8	48 F	7.3		9.0	4.0	4.C	--	36	--	2.0	--	--	--	58	39	0.3	
1230	5050		93	9 C	7.2	91	.45	.33	.17		.72		.06		24	--		3	0.2	
							47	35	18											
01/03/85	5050		11.5	44 F	7.2	91	9.0	4.0	4.0	.8	36	4.0	1.0	.0	.0	--	56	39	0.3	
1145	5050		94	7 C	6.9	91	.43	.33	.17	.02	.72	.08	.03	.00		--	44	3	0.2	T
							46	34	18	2	87	10	4	0						5
02/19/85	3050		10.5	53 F	7.4	103	10	5.0	5.0	1.2	40	4.0	2.0	.4	.0	--	68	46	0.3	
1130	5030		96	12 C	7.8	104	.50	.41	.22	.03	.80	.08	.06	.01		--	52	6	0.3	T
							43	35	19	3	84	8	6	1						5
03/26/85	5050		11.0	52 F	7.4	107	10	5.0	5.C	--	44	--	3.0	--	--	--	64	46	0.3	
1215	3050		100	11 C	7.6	108	.30	.41	.22		.88		.06			--		2	0.3	
							44	36	19											
04/26/85	3050		10.0	64.3F	7.6	99	12	6.0	5.0	--	41	--	2.0	--	--	--	63	54	0.3	
1215	5050		105	18.0C	7.4	101	.60	.49	.22		.82		.06		54	--		14	0.3	
							46	37	17											
05/30/85	5050		8.6	62.0F	7.4	106	10	4.0	4.C	--	39	--	4.0	--	--	--	62	42	0.3	
0930	5050		88	16.7C	8.0	94	.50	.33	.17		.78		.11		34	--		3	0.2	
							50	33	17											
06/26/85	5050		8.0	73.0F	7.8	111	10	4.0	5.0	--	40	--	2.0	--	--	--	62	42	0.3	
1100	5056		92	22.8C	7.9	93	.30	.33	.22		.80		.06		54	--		2	0.3	
							48	31	21											
07/30/85	3030		8.4	67.6F	7.7	108	9.0	4.0	4.C	--	--	--	1.0	--	--	--	60	39	0.0	
0930	5030		91	19.8C		96	.45	.33	.17				.03		14	--				
							47	35	18											
08/15/85	5050		7.2	71.2F	7.8	105	9.0	4.0	5.C	--	46	--	2.0	--	--	--	62	39	0.3	
1100	5050		81	21.8C	8.2	101	.43	.33	.22		.92		.06		34	--		0	0.3	
							43	33	22											
09/19/85	5030	19.62	7.9	63.9F	7.7	110	10	5.0	3.C	1.0	48	4.0	2.0	.1	.0	--	68	46	0.3	
0900	5030		83	17.7C	8.2	106	.30	.41	.22	.03	.96	.08	.06	.00		--	56	0	0.3	
							43	38	19	3	87	7	5	0						
AO 9910.00					SUTTER BP STATE PP NO1 NR NICOLAUS							A07C0								
10/31/84	5050		8.0	57.2F	7.3	251	--	--	--	--	--	--	--	--	--	--				
0905	5030	0	77	14.0C											94F	--				
																				5
11/30/84	5050		9.0	49.1F	7.3	472	--	--	--	--	--	--	--	--	--	--				
0803	3030		79	9.5C											394F	--				
																				5
12/28/84	5050		12.1	42.8F	7.8	307	--	--	--	--	--	--	--	--	--	--				
0925	5050	0	97	6.0C											44F	--				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	OD SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CA+MG	SO4	CL	NO3	R TURB	F SIO2	TDS SUM	TH NCH	SAR ASAP	REM
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER								MILLIGRAMS PER LITER					
												PERCENT REACTANCE VALUE MILLIEQUIVALENTS PER LITER								
											CACO3									
	AO 5910.00				SUTTER AP STATE PP NO1 NR NICOLAUS										A07CO CONTINUED					
01/28/85	5050		13.4	45.5F	8.2	489	--	--	--	--	--	--	--	--	--	--				
1350	5050	0	112	7.5C											54F	--				
																				S
03/29/85	5050		10.7	51.8F	8.0	399	--	--	--	--	--	--	--	--	--	--				
0810	5050	0	97	11.0C											13AF	--				
																				S
05/30/85	5050		8.4	64.4F	7.3	158	--	--	--	--	--	--	--	--	--	--				
0810	5050	0	88	18.0C											13AF	--				
																				S
06/27/85	5050		6.8	77.0F	7.1	158	--	--	--	--	--	--	--	--	--	--				
0800	5050	0	82	25.0C											22AF	--				
																				S
07/31/85	5050		8.2	69.8F	7.0	393	--	--	--	--	--	--	--	--	--	--				
1005	5050	0	91	21.0C											52AF	--				
																				S
08/29/85	5050		7.0	67.1F	6.8	139	11	6.0	8.0	--	56	--	5.0	--	.0	--		52	0.5	
0850	5050	0	76	19.5C	8.2	135	.55	.49	.35		1.12		.14		12A	--		0	0.5	
							40	35	25											S
09/27/85	5050		6.2	67.1F	7.7	376	--	--	--	--	--	--	--	--	--	--				
0750	5050	0	67	19.5C											27AF	--				
																				S
	AO 5920.00				SUTTER AP STATE AP NO2 NR TISCALE							A07CO								
10/31/84	5050		9.0	57.2F	7.5	302	--	--	--	--	--	--	--	--	--	--				
0930	5050	0	87	14.0C											7AF	--				
																				S
11/30/84	5050		8.2	51.8F	7.4	421	--	--	--	--	--	--	--	--	--	--				
0830	5050		74	11.0C											33AF	--				
																				S
12/28/84	5050		10.8	48.2F	7.9	595	--	--	--	--	--	--	--	--	--	--				
0950	5050	0	93	9.0C											5AF	--				
																				S
01/28/85	5050		8.0	49.1F	7.8	643	--	--	--	--	--	--	--	--	--	--				
1415	5050	0	70	9.5C											3AF	--				
																				S
02/26/85	5050		9.1	57.2F	8.1	662	--	--	--	--	--	--	--	--	--	--				
1000	5050	0	88	14.0C											16AF	--				
																				S
03/29/85	5050		10.3	53.6F	8.2	497	--	--	--	--	--	--	--	--	--	-				
0830	5050	0	95	12.0C											4AF	--				
																				S
04/30/85	5050		8.4	66.2F	7.4	199	--	--	--	--	--	--	--	--	--	--				
0720	5050	0	90	19.0C											11AF	--				
																				S
05/30/85	5050		7.3	66.2F	7.5	280	--	--	--	--	--	--	--	--	--	--				
0830	5050	0	79	19.0C											12AF	--				
																				S
06/27/85	5050		8.8	73.4F	7.2	326	26	20	15	--	165	--	3.0	--	.1	--		147	0.5	
0825	5050	0	79	23.0C	8.1	334	1.30	1.64	.65		3.30		.08		16A	--		0	1.0	
							36	46	18											S
07/31/85	5050		6.6	69.8F	7.3	608	--	--	--	--	--	--	--	--	--	--				
1030	5050	0	74	21.0C											40AF	--				
08/29/85	5050		6.9	68.0F	7.3	331	--	--	--	--	--	--	--	--	--	--				
0910	5050	0	75	20.0C											12AF	--				
09/27/85	5050		6.4	71.6F	7.7	451	--	--	--	--	--	--	--	--	--	--				
0820	5050	0	73	22.0C											11AF	--				
	AO 5925.00				SUTTER AP STATE PP NO1 NR YUBA CITY							A07CO								
10/31/84	5050		6.5	56.3F	7.3	260	--	--	--	--	--	--	--	--	--	--				
1005	5050	0	62	13.5C											5AF	--				
11/30/84	5050		6.7	51.8F	7.4	477	--	--	--	--	--	--	--	--	--	--				
0905	5050		61	11.0C											27AF	--				
12/28/84	5050		11.5	44.6F	8.1	622	41	39	48	--	305	--	20	--	.1	--		263	1.2	
1030	5050	0	95	7.0C	8.8	648	2.05	3.21	2.08		6.09		.58		4A	--		0	2.9	
							28	44	28											S
01/28/85	5050		12.9	47.3F	8.2	625	--	--	--	--	--	--	--	--	--	--				
1450	5050	0	110	8.5C											4AF	--				
02/26/85	5050		9.6	57.2F	8.2	711	--	--	--	--	--	--	--	--	--	--				
1035	5050	0	93	14.0C											14AF	--				
03/29/85	5050		10.0	52.7F	7.7	271	--	--	--	--	--	--	--	--	--	--				
0910	5050	0	92	11.5C											14AF	--				
04/30/85	5050		7.9	68.0F	7.4	286	--	--	--	--	--	--	--	--	--	--				
0800	5050	0	86	20.0C											18AF	--				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	TDS SIO2	TH SIUM	SAR NCN	ASAR	REM
AO 5925.00					SUTTER RP STATE PP NO3 NR YUBA CITY							AO7CO CONTINUED									
05/30/85	5050		7.5	68.0F	7.5	374	--	--	--	--	--	--	--	--	--	--					
0910	5050	0	82	20.0C											134F	--					
06/27/85	5050		6.0	78.8F	7.6	400	--	--	--	--	--	--	--	--	--	--					
0905	5050	0	73	26.0C											174F	--					
07/31/85	5050		7.0	75.2F	7.8	400	--	--	--	--	--	--	--	--	--	--					
1105	5050	0	81	24.0C											174F	--					
08/29/85	5050		6.7	73.4F	7.5	551	--	--	--	--	--	--	--	--	--	--					
1000	5050	0	78	23.0C											54F	--					
09/27/85	5050		5.7	71.6F	7.6	406	--	--	--	--	--	--	--	--	--	--					
0855	5050	0	65	22.0C											114F	--					
AO 5927.00					WADSWORTH CA NR SUTTER LO STA							AO7CO									
10/31/84	5050	38.15	10.0	54.5F	7.5	174	--	--	--	--	--	--	--	--	--	--					
0950	5050	118	94	12.5C											51F	--					
11/30/84	5050		7.5	53.6F	7.5	423	--	--	--	--	--	--	--	--	--	--					
0855	5050	123	69	12.0C											324F	--					
12/28/84	5050	37.45	11.6	51.8F	8.1	551	--	--	--	--	--	--	--	--	--	--					
1015	5050	44	105	11.0C											44F	--					
01/28/85	5050	37.83		51.8F	8.2	560	--	--	--	--	--	--	--	--	--	--					
1440	5050	23		11.0C											34F	--					
02/26/85	5050	37.55	8.0	53.6F	7.9	596	--	--	--	--	--	--	--	--	--	--					
1025	5050	26	74	12.0C											44F	--					
03/29/85	5050	38.46	10.8	51.8F	7.6	162	--	--	--	--	--	--	--	--	--	--					
0900	5050	199	98	11.0C											74F	--					
04/30/85	5050	38.14	7.2	65.3F	7.3	254	--	--	--	--	--	--	--	--	--	--					
0750	5050	55	76	18.5C											154F	--					
05/30/85	5050	38.24	9.0	66.2F	7.9	272	--	--	--	--	--	--	--	--	--	--					
0900	5050	163	97	19.0C											334F	--					
06/27/85	5050	38.34	7.5	73.4F	7.8	308	--	--	--	--	--	--	--	--	--	--					
0845	5050	75	87	23.0C											34F	--					
07/31/85	5050	38.34	8.5	71.6F	7.7	519	--	--	--	--	--	--	--	--	--	--					
1050	5050	93	97	22.0C											334F	--					
08/29/85	5050	38.33	8.1	69.8F	7.4	271	22	15	13	--	134	--	3.0	--	.0	--		117	0.5		
0945	5050	193	90	21.0C	8.4	275	1.10	1.23	.57		2.68		.08		94	--		0	0.9		
							38	42	20												S
09/27/85	5050	38.06	8.0	67.1F	7.6	223	--	--	--	--	--	--	--	--	--	--					
0840	5050	121	87	19.5C											144F	--					
AO 6150.00					YUBA R NR MARYSVILLE							AC8CO									
10/25/84	2163	60.01	10.4	53 F	7.1	89	--	--	--	--	--	--	--	--	--	--	52				
1000	5050		96	12 C											14	--					
04/26/85	5050	53.28	10.2	60.6F	7.4	85	9.0	3.0	3.0	--	36	--	1.0	--	--	--	64	38	0.2	F	
0930	5050		103	15.9C	7.3	89	.45	.25	.13		.72		.03		14	--		0	0.2		
							54	30	16												
08/15/85	2163		7.8	64.6F	7.6	102	--	--	--	--	--	--	--	--	--	--	64				
1255	5050		82	18.1C											14	--					
09/19/85	5050	59.34	9.0	62.6F	7.4	96	10	4.0	3.0	.6	43	5.0	1.0	.0	.0	--	66	42	0.2		
1030	5050		93	17.0C	8.2	100	.50	.33	.13	.02	.86	.10	.03	.00	14	--	49	0	0.2	T	
							51	34	13	2	87	10	3	0							
AO 6950.00					BEAR R NR WHEATLAND							AO840									
10/25/84	5050		9.9	63 F	7.3	84	7.0	4.0	3.0	.7	25	7.0	3.0	.2	.0	--	54	34	0.2		
1055	5050		103	17 C	7.2	90	.35	.33	.13	.02	.50	.15	.08	.00	14	--	40	9	0.1	T	
							42	40	16	2	68	21	11	0							
11/28/84	5050		10.3	54 F	7.3	68	6.0	2.0	3.0	.6	22	3.0	3.0	.9	.0	--	48	23	0.3		
0945	5050		96	12 C	8.1	70	.30	.16	.13	.02	.44	.06	.08	.01		--	32	1	0.1	T	
							49	26	21	3	75	10	14	2							
12/20/84	5050	6.67	10.7	48 F	7.2		7.0	3.0	3.0	--	23	--	3.0	--	--	--	48	30	0.2		
1100	5050		92	9 C	7.3	69	.35	.25	.13		.46		.08		14	--		7	0.1		
							48	34	18												
01/03/85	5050	6.33	11.2	46 F	7.1	70	6.0	3.0	3.0	.6	22	6.0	2.0	.1	.0	--	41	28	0.2		
1015	5050		94	8 C	6.8	70	.30	.25	.13	.02	.44	.10	.06	.00		--	31	6	0.1		
							43	36	19	3	73	17	10	0							
02/19/85	5050		10.9	48 F	7.3	88	8.0	4.0	4.0	--	--	--	3.0	--	--	--	64	36	0.0	F	
1015	5050		94	9 C		85	.40	.33	.17				.08			--					
							44	37	19												

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	40	6550.00			NEAR R NR WHEATLAND								40640 CONTINUED							
03/28/83	5050		11.7	50 F	7.4	86	9.0	4.0	4.0	--	31	--	3.0	--	--	--	54	39	0.3	
1100	5050		104	10 C	7.6	86	.45	.33	.17		.62		.08			--		8	0.2	
							47	35	18											
04/26/83	5050		10.5	64 F	7.9	101	12	5.0	5.0	--	36	--	3.0	--	--	--	66	50	0.3	
1045	5050		110	18 C	7.4	104	.60	.41	.22		.72		.06		34	--		15	0.3	
							49	33	16											
05/30/83	5050		8.4	66 F	7.6	124	11	5.0	3.0	--	39	--	4.0	--	--	--	88	48	0.3	
0835	5050		90	19 C	8.2	113	.55	.41	.22		.78		.11		14	--		9	0.3	
							47	35	19											
06/26/83	5050		8.1	76.0F	7.8	144	12	6.0	5.0	--	43	--	4.0	--	--	--	90	54	0.3	
0930	5050		96	24.4C	7.9	132	.60	.49	.22		.86		.11		34	--		12	0.3	
							46	37	17											
09/19/83	5050		7.9	69.1F	8.0	180	14	8.0	7.0	1.0	61	16	6.0	.4	.0	--	104	68	0.4	
0949	5050		88	20.6C	8.2	169	.70	.66	.30	.03	1.22	.33	.17	.01		--	89	7	0.4	
							41	39	18	2	71	19	10	1						
	40	7125.01			AMERICAN R A 16TH ST BR							40581								
10/10/84	2163		8.4	67.3F	7.1	42	4.0	1.0	2.0	.6	16	2.0	1.0	--	--	.0	35	14	0.2	E
1100	5050		91	19.7C	7.2	49	.20	.08	.09	.02	.32	.04	.03			8.2	28	0	0.0	
							51	21	23	5										
	40	7140.10			AMERICAN R A SACTO MT PLT							40581								
10/04/84	3050		9.1	67.1F	7.1	100	--	--	2.0	--	--	--	1.0	--	--	--				X
1130	5050		99	19.3C		42			.09				.03		24	--				
10/23/84	2163		8.8	62 F	7.1	47	--	--	--	--	--	--	--	--	--	--	36			
1045	5050		90	17 C											44	--				
																				S
11/08/84	5050		9.3	60.8F	7.0	50	--	--	2.0	--	--	--	2.0	--	--	--				
1123	5050		94	16.0C		51			.09				.06		114	--				
																				S
12/05/84	5050		11.2	51.8F	7.3	60	--	--	2.0	--	--	--	2.0	--	--	--				
1120	5050		101	11.0C		59			.09				.06		54	--				
																				S
02/13/85	5050		11.9	50.0F	7.3	57	--	--	2.0	--	--	--	2.0	--	--	--				
1320	5050		105	10.0C		63			.09				.06		24	--				
																				S
02/20/85	2163		11.9	61 F	7.6	60	--	--	--	--	--	--	--	--	--	--	41			
1415	5050		120	16 C											64	--				
03/13/85	5050		11.2	53.6F	7.3	65	--	--	2.0	--	--	--	2.0	--	--	--				
1215	5050		104	12.0C		63			.09				.06		54	--				
08/15/85	2163		7.8	72.0F	7.6	65	--	--	--	--	--	--	--	--	--	--	34			
1550	5050		89	22.2C											14	--				
																				S
09/26/85	5050		7.4	68.5F	7.2	56	5.0	2.0	2.0	.6	21	2.0	1.0	.1	.0	--	35	20	0.2	
1015	5050		81	20.3C	8.1	52	.25	.16	.09	.02	.42	.04	.03	.00	24	--	25	0	0.0	T
							48	31	17	4	86	8	6	0						
	40	7149.01			AMERICAN R AL NE STP BL PL							40581								
10/10/84	2163		4.8	66 F	7.1	60	4.0	1.0	2.0	.6	16	2.0	1.0	--	--	.0	34	14	0.2	EY
1100	5050		94	19 C	7.3	46	.20	.08	.09	.02	.32	.04	.03			9.3	28	0	0.0	
							51	21	23	5										
	40	7190.00			AMERICAN R AL NIMBUS DM							40581								
10/10/84	2163		8.3	66.5F	7.0	40	4.0	1.0	2.0	.6	16	2.0	1.0	--	--	.0	34	14	0.2	X
1100	5050	2250F	89	19.1C	7.6	54	.20	.08	.09	.02	.32	.04	.03			8.4	29	0	0.0	
							51	21	23	5										
04/29/85	5050		10.1	129 F	7.3	60	6.0	2.0	3.0	--	24	--	2.0	--	--	--	44	23	0.3	E
1145	5050		187	54 C	6.5	64	.30	.16	.13		.48		.06		14	--		0	0.1	
							31	27	22											
09/26/85	5050		7.0	69.1F	7.0	57	2.0	2.0	3.0	.7	23	2.0	1.0	.1	.0	--	38	13	0.4	E
0945	5050		76	20.6C	8.3	51	.10	.16	.13	.02	.46	.04	.03	.00		--	25	0	0.0	T
							24	39	32	5	87	8	6	0						S
	40	9220.00			BARKER SLU NR DOTIER							40240								
11/13/84	5050		9.4	59.0F	8.1	360	19	21	36	2.2	128	40	22	4.0	.3	--	223	134	1.4	
1115	5050	20	93	14.0C	8.2	372	.95	1.73	1.57	.06	2.56	.83	.62	.06	2434	--	221	6	2.3	
							22	40	36	1	63	20	15	1						S
11/28/84	5050		9.4	52.7F	7.5	260	11	9.0	30	2.3	89	22	18	9.7	.3	--	174	64	1.6	
1105	5050	50	88	11.0C	8.2	269	.55	.74	1.31	.06	1.38	.46	.51	.16	4034	4.9	148	0	1.9	
							21	28	49	2	55	19	20	6						S
12/06/84	5050		8.8	51.8F	7.4	390	--	--	40	--	104	--	27	--	--	--				
1200	5050		80	11.0C	7.7	390			1.74		2.08		.76		1904	7.1				
																				S
12/16/84	5050		9.6	42.8F	7.4	400	19	17	43	--	--	--	30	--	--	--		118	0.0	
1030	5050		77	6.0C		420	.95	1.40	1.87				.85		2434	--				
							23	33	44											S
03/11/85	5050		9.8	56.3F	8.3	600	28	26	66	2.6	182	58	49	2.0	.2	--	386	177	2.2	
1100	5050		44	13.3C	8.1	631	1.40	2.14	2.87	.07	3.64	1.21	1.38	.03	634	--	341	0	4.3	
							22	33	44	1	54	19	22	0						S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN CA	MG	NA	K	MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TDS	SIO2	F	TDS SUM	TH NCH	SAR ASAR	REP
A1 L 101.3 139.9 LK WHITTON A FY XING												A23R1									
05/23/83	5050		9.4	67.3F	8.1	146	10	7.0	12	2.4	--	2.0	3.0	--	.1	--			54	0.0	
1330	5050		112	19.6C			.50	.58	.52	.06		.04	.08		2AF	--					
		0					30	35	31	4											5
09/20/83	5050		10.3	60.8F	8.2	167	11	7.0	12	2.4	--	3.0	3.0	--	.1	--			56	0.0	
1145	5050		114	16.0C			.55	.58	.52	.06		.06	.08		2AF	--					
		0					32	34	30	4											5
A1 R.102.8 150.1 IRON CK RES												A23A3									
05/23/83	5050		9.2	62.8F	7.4	86	8.0	4.0	5.0	1.3	--	2.0	1.0	--	.0	--			36	0.0	
1030	5050		104	17.1C			.40	.33	.22	.03		.04	.03		3AF	--					
		0					41	34	22	3											5
09/20/83	5050		10.5	54.5F	7.7	94	8.0	4.0	5.0	1.4	--	2.0	1.0	--	.0	--			36	0.0	
0915	5050		108	12.5C			.40	.33	.22	.04		.04	.03		1AF	--					
		0					40	33	22	4											5
A1 1020.00 PIT R NR MONTGOMERY C												A2040									
11/28/44	5050		11.5	45.5F	7.3	145	--	--	--	--	--	--	--	--	--	--	102				
0900	5050	7800	99	7.5C											9A	--					
01/24/83	5050		13.0	44.6F	7.9	148	--	--	--	--	--	--	--	--	--	--					
1203	5050	7300	111	7.0C											2AF	--					
03/13/83	5050		11.6	46.4F	7.7	152	--	--	--	--	--	--	--	--	--	--					
1000	5050	6500	101	8.0C											6AF	--					
05/08/83	5050		10.4	58.1F	8.1	155	11	6.0	12	--	67	--	3.0	--	.0	--	147		52	0.7	E
0850	5050	3000	103	14.5C	8.2	197	.55	.49	.52		1.34		.08		5A	--			0	0.8	
							35	31	33												
07/10/83	5050		9.5	67.1F	8.2	147	--	--	--	--	--	--	--	--	--	--					
0930	5050	4100	107	19.5C											2AF	--					
09/11/83	5050		9.6	60.8F	7.7	143	--	--	--	--	--	--	--	--	--	--	109				
0915	5050	4400	100	16.0C											1A	--					
A1 1680.00 PIT R NR CANAY												A2304									
01/24/83	5050	2.88	12.8	32.0F	8.1	235	--	--	--	--	--	--	--	--	--	--					
0950	5050	149	101	0.0C											9AF	--					
03/13/83	5050	3.48	7.4	44.6F	7.7	189	--	--	--	--	--	--	--	--	--	--					
1223	5050	389	70	7.0C											39AF	--					
03/08/83	5050	2.68	6.9	39.0F	8.0	242	18	8.0	22	--	104	--	6.0	--	.2	--			78	1.1	
0830	5050	91	79	13.0C	8.2	246	.90	.66	.96		2.08		.17		21A	--			0	1.6	
							36	26	38												5
07/10/83	5050	2.62	8.4	77.9F	8.4	270	--	--	--	--	--	--	--	--	--	--					
1223	5050	76	118	25.5C											25AF	--					
09/18/83	5050	2.78	9.0	35.4F	8.0	291	--	--	--	--	--	--	--	--	--	--					
1205	5050	121	99	13.0C											32AF	--					
A1 4400.00 PIT R SF NR LIKELY												A23E2									
03/07/85	5050	3.21	9.2	33.6F	8.6	84	--	--	--	--	--	--	--	--	--	--					
1445	5050	189	100	12.0C											7AF	--					
09/18/85	5050	2.11	9.9	55.4F	8.2	120	11	4.0	9.0	--	61	--	2.0	--	.0	--			44	0.6	
1315	5050	53	110	13.0C	8.2	120	.55	.33	.39		1.22		.06		4A	--			0	0.6	
							43	26	31												5
A2 L 043.2 225.0 SHASTA LK A DAM												A2040									
10/24/84	5050		7.0		7.0	132	11	5.0	8.0	1.5	--	4.0	2.0	--	.0	--				0.0	
0930	5050						.55	.41	.35	.04		.08	.06		7AF	--					
		426					41	30	26	3											5
10/24/84	5050		8.2	61.5F	7.4	126	10	5.0	7.0	1.4	--	3.0	2.0	--	.0	--				0.0	
0930	5050		86	16.4C			.50	.41	.30	.04		.06	.04		1AF	--					
		0					40	33	24	3											5
05/24/85	5050		8.7	69.8F	7.9	113	10	5.0	7.0	1.2	--	4.0	2.0	--	.0	--			46	0.0	
0850	5050		100	21.0C			.50	.41	.30	.03		.08	.06		1AF	--					
		0					40	33	24	2											5
09/17/85	5050		8.8	68.5F	7.6	132	11	5.0	8.0	1.4	--	4.0	2.0	--	.0	--			46	0.0	
0800	5050		100	20.3C			.53	.41	.35	.04		.08	.06		1AF	--					
		0					41	30	26	3											5
A2 L 044.3 227.3 SHASTA LK A LITTLE SQUAW C INLET												A2040									
10/18/84	5050		8.3	64.0F	7.3	126	10	5.0	7.0	1.3	--	5.0	2.0	--	.0	--				0.0	
1100	5050		90	17.8C			.50	.41	.30	.03		.10	.06		1AF	--					
		0					40	33	24	2											5
10/18/84	5050		8.1	63.5F	7.3	125	10	5.0	7.0	1.3	--	6.0	2.0	--	.0	--				0.0	
1100	5050		87	17.5C			.50	.41	.30	.03		.12	.06		1AF	--					
		79					40	33	24	2											5

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER IAR	G.H. C	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
42 L 044.9 212.1 SHASTA LK PIT R AR JONES VALLEY												42040								
10/15/84	5050		0.0	49.1F	6.8	142	13	5.0	8.0	1.6	--	3.0	2.0	--	.0	--			0.0	
0830	5050			9.9C			.65	.41	.35	.04		.06	.06		6AF	--				
		230					45	28	24	3										S
10/15/84	5050		7.7	63.9F	7.3	129	10	5.0	7.0	1.4	--	2.0	2.0	--	.0	--			0.0	
0845	5050		83	17.7C			.50	.41	.30	.04		.04	.06		2AF	--				
		0					40	33	24	3										S
42 L 045.4 225.5 SHASTA LK LITTLE BACKBONE C INLET												42040								
10/17/84	5050		7.9	62.6F	7.3	124	10	5.0	7.0	1.4	--	4.0	2.0	--	.0	--			0.0	
1100	5050		84	17.0C			.50	.41	.30	.04		.08	.06		1AF	--				
		0					40	33	24	3										S
10/17/84	5050		5.6	59.9F	7.1	124	10	5.0	7.0	1.4	--	4.0	2.0	--	.0	--			0.0	
1100	5050		58	15.5C			.50	.41	.30	.04		.08	.06		2AF	--				
		98					40	33	24	3										S
42 L 045.4 212.9 SHASTA LK SQUAW C BL TINC C												42040								
10/15/84	5050		0.5	49.5F	6.8	144	16	4.0	6.0	1.0	--	5.0	1.0	--	.0	--			0.0	
1100	5050		5	9.7C			.80	.33	.26	.03		.10	.03		3AF	--				
		226					56	23	18	2										S
10/15/84	5050		7.8	63.9F	7.3	131	11	5.0	7.0	1.3	--	4.0	2.0	--	.0	--			0.0	
1100	5050		84	17.7C			.55	.41	.30	.03		.08	.06		1AF	--				
		0					43	32	23	2										S
42 L 048.4 217.6 SHASTA LK MCCLOUD R ARM												42440								
10/17/84	5050		8.1	62.4F	7.4	125	12	5.0	7.0	1.4	--	4.0	2.0	--	.0	--			0.0	
0830	5050		86	16.9C			.60	.41	.30	.04		.08	.06		1AF	--				
		0					44	30	22	3										S
10/17/84	5050		3.7	42.8F	7.0	136	11	4.0	7.0	1.3	--	4.0	2.0	--	.0	--			0.0	
0830	5050		31	6.0C			.55	.33	.30	.03		.08	.06		7AF	--				
		298					45	27	25	2										S
42 L 049.5 222.8 SHASTA LK SACRAMENTO R ARM												42440								
10/18/84	5050		8.1	61.7F	7.3	127	10	5.0	7.0	1.4	--	3.0	2.0	--	.0	--			0.0	
0630	5050		85	16.5C			.50	.41	.30	.04		.06	.06		1AF	--				
		0					40	33	24	3										S
10/18/84	5050		4.1	44.2F	6.7	133	9.0	3.0	6.0	1.0	--	3.0	2.0	--	.0	--			0.0	
0830	5050		35	6.8C			.45	.41	.26	.03		.06	.06		1AF	--				
		282					39	36	23	3										S
42 L 116.8 219.7 LK SISKIYOU NR MT SHASTA												42182								
09/22/85	5050		9.3	62.6F	7.5	90	3.0	8.0	3.0	.4	--	2.0	1.0	--	.0	--		40	0.0	
1645	5050		107	17.0C			.15	.66	.13	.01		.04	.03		1AF	--				
		0					16	69	14	1										S
09/19/85	5050		9.3	62.2F	7.8	127	5.0	10	6.0	1.0	--	2.0	2.0	--	.0	--		54	0.0	
1440	5050		106	16.8C			.25	.82	.26	.03		.04	.06		1AF	--				
		0					18	60	19	2										S
42 R 107.9 204.2 MCCLOUD RES A OR												42243								
05/23/85	5050		9.8	59.4F	7.9	92	10	4.0	6.0	1.5	--	1.0	1.0	--	.0	--		42	0.0	
0815	5050		109	15.2C			.50	.33	.26	.04		.02	.03		1AF	--				
		0					44	29	23	4										S
09/20/85	5050		11.4	51.1F	7.9	97	8.0	4.0	5.0	1.4	--	2.0	1.0	--	.0	--		36	0.0	
0715	5050		114	10.6C			.40	.33	.22	.04		.04	.03		1AF	--				
		0					40	33	22	4										S
42 0130.00 SQUAW C L A SHASTA LK												42040								
10/24/84	5050		11.0	50.0F	3.8	218	--	--	--	--	--	--	--	--	--	--				
0830	5050	20F	101	10.0C											13AF	--				
11/21/84	5050		11.8	46.4F	4.8	67	--	--	--	--	--	--	--	--	--	--				
1110	5050	20E	103	8.0C											6AF	--				
12/18/84	5050		13.2	41.0F	4.5	78	--	--	--	--	--	--	--	--	--	--				
1315	5050	75F	107	5.0C											6AF	--				
01/16/85	5050		12.0	44.6F	4.5	100	6.0	2.0	4.0	--	0	--	1.0	--	.0	--		23	0.0	
1200	5050	50E	102	7.0C	4.2	103	.30	.16	.17		.00		.03		12A	--		23	0.0	
							48	25	27											S
02/14/85	5050		11.7	44.6F	4.7	108	--	--	--	--	--	--	--	--	--	--				
1050	5050	120E	100	7.0C											11AF	--				
03/12/85	5050		11.7	48.2F	5.3	94	--	--	--	--	--	--	--	--	--	--				
1140	5050	10E	105	9.0C											9AF	--				
04/17/85	5050		10.4	55.4F	4.5	113	8.0	3.0	4.0	--	0	--	1.0	--	.0	--		32	0.0	
1020	5050	25F	102	13.0C	4.4	110	.40	.25	.17		.00		.03		13A	--		33	0.0	
							49	30	21											S
05/23/85	5050		9.1	66.2F	4.1	154	8.0	3.0	4.0	--	0	--	1.0	--	.0	--		32	0.0	
1220	5050	25F	101	19.0C	4.5	157	.40	.25	.17		.00		.03		4A	--		33	0.0	
							49	30	21											S
06/14/85	5050		9.1	68.0F	4.0	162	--	--	--	--	--	--	--	--	--	--				
0845	5050	20E	103	20.0C											6AF	--				
07/25/85	5050		8.0	77.9F	3.6	251	10	6.0	5.0	--	0	--	1.0	--	.0	--		50	0.0	
1130	5050	5E	100	25.5C	3.8	274	.50	.49	.22		.00		.03		1A	--		50	0.0	
							41	40	18											S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TUBR	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
A2	0130.00				SOUAV C L A SHASTA LK							A2080 CONTINUED								
08/21/85 0855	5050 5050	5F	9.1 102	67.1F 19.5C	3.5 3.5	315 347	12 .60 43	7.0 .58 41	5.0 .22 16	--	0 .00	--	1.0 .03	--	.0 24	-- --		59 59	0.0 0.0	5
09/24/85 1120	5050 5050	3E	9.7 103	62.6F 17.0C	3.6	248	--	--	--	--	--	--	--	--	-- 8AF	-- --				
A2	1010.00				SACRAMENTO R A KESWICK							A19C0								
10/23/84 0930	5050 5050	5000	9.4 92	57.2F 14.0C	7.3	133	--	--	--	--	--	--	--	--	-- 14F	-- --				
11/21/84 1030	5050 5050	14530	9.1 86	53.6F 12.0C	7.0	111	--	--	--	--	--	--	--	--	-- 5AF	-- --				
12/18/84 1355	5050 5050	12000	11.3 99	48.2F 9.0C	7.2	116	--	--	--	--	--	--	--	--	-- 3AF	-- --				
01/16/85 1105	5050 5050	6000	11.6 102	48.2F 9.0C	7.2	115	--	--	--	--	--	--	--	--	-- 2AF	-- --				
02/14/85 1135	5050 5050	4043	11.8 102	47.3F 8.5C	7.2	121	--	--	--	--	--	--	--	--	-- 3AF	-- --				
03/12/85 1050	5050 5050	5000	12.3 108	48.2F 9.0C	7.3	127	--	--	--	--	--	--	--	--	-- 2AF	-- --				
04/17/85 1105	5050 5050	6000	11.7 103	48.2F 9.0C	7.4	102	--	--	--	--	--	--	--	--	-- 2AF	-- --				
05/23/85 1055	5050 5050		10.9 102	53.6F 12.0C	7.4 8.0	118 137	11 .55 42	5.0 .41 31	8.0 .35 27	--	98 1.16	--	3.0 .08	--	.0 2A	-- --		48 0	0.5 0.5	5
06/14/85 0930	5050 5050	10750	10.8 104	55.4F 13.0C	7.4	106	--	--	--	--	--	--	--	--	-- 2AF	-- --				
07/25/85 1055	5050 5050	13200	9.9 97	57.2F 14.0C	7.5	129	--	--	--	--	--	--	--	--	-- 3AF	-- --				
08/21/85 0935	5050 5050	10650	9.8 92	53.6F 12.0C	7.5	147	--	--	--	--	--	--	--	--	-- 2AF	-- --				
09/24/85 1045	5050 5050	4250	10.1 103	60.8F 16.0C	7.2	104	--	--	--	--	--	--	--	--	-- 2AF	-- --				
A2	1300.00				SACRAMENTO R A DELTA							A2080								
10/23/84 0945	5050 5050	4.03 275	11.5 105	50.0F 10.0C	8.3	155	--	--	--	--	--	--	--	--	-- 2AF	-- --				
11/26/84 1110	5050 5050	5.51 1030	12.7 105	42.8F 6.0C	7.4	112	--	--	--	--	--	--	--	--	-- 2AF	-- --				
12/17/84 1200	5050 5050	9.34 866	12.6 102	41.0F 5.0C	7.9	117	--	--	--	--	--	--	--	--	-- 1AF	-- --				
01/08/85 1030	5050 5050	4.81 587	12.6 105	42.8F 6.0C	7.8	124	--	--	--	--	--	--	--	--	-- 1AF	-- --				
02/27/85 1425	5050 5050	5.08 723	12.4 108	46.4F 8.0C	8.0	117	--	--	--	--	--	--	--	--	-- 1AF	-- --				
03/12/85 1015	5050 5050	5.01 685	12.0 105	46.4F 8.0C	7.7	126	--	--	--	--	--	--	--	--	-- 1AF	-- --				
04/17/85 0910	5050 5050	6.55 1790	11.5 103	48.2F 9.0C	7.8	96	--	--	--	--	--	--	--	--	-- 3AF	-- --				
05/09/85 0720	5050 5050	5.24 812	11.0 103	51.8F 11.0C	7.7	110	--	--	--	--	--	--	--	--	-- 3AF	-- --				
06/13/85 0845	5050 5050	4.14 305	9.3 103	66.2F 19.0C	8.2 8.0	128 134	13 .65 45	6.0 .49 34	7.0 .30 21	--	54 1.08	--	3.0 .08	--	.0 1A	-- --		57 3	0.4 0.4	5
07/09/85 0920	5050 5050	3.78 192	9.1 107	71.6F 22.0C	8.1	159	--	--	--	--	--	--	--	--	-- 2AF	-- --				
08/19/85 1109	5050 5050	3.82 221	9.9 110	66.2F 19.0C	8.2	157	--	--	--	--	--	--	--	--	-- 2AF	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLED IAB	G.H. O	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS SUM	TH NCH	SAR 45AR	BER
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
A2	1300.00				SACRAMENTO R A DELTA							A2080 CONTINUED								
09/10/85	5050	4.35	10.1	55.4F	7.9	150	--	--	--	--	--	--	--	--	--	--				
0900	5050	249	99	13.0C											24F	--				
A2	2150.00				MCCLOUD R AB SHASTA LK							A2241								
10/23/84	5050		10.6	51.6F	8.0	205	33	3.0	4.0	--	95	--	1.0	--	.0	--		95	0.2	
0830	5050	304	99	11.0C	8.0	204	1.65	.25	.17		1.90		.03		24	--		0	0.3	
							80	12	8											S
11/26/84	5050		11.9	46.4F	7.6	142	--	--	--	--	--	--	--	--	--	--				
1010	5050	796	104	8.0C											24F	--				
12/17/84	5050		12.5	41.0F	8.2	116	15	3.0	4.0	--	49	--	1.0	--	.0	--		50	0.2	
1055	5050	512	101	5.0C	7.4	115	.75	.25	.17		.98		.03		14	--		1	0.2	
							64	21	15											S
01/08/85	5050		12.5	42.8F	8.2	122	--	--	--	--	--	--	--	--	--	--				
0935	5050	367	104	6.0C											14F	--				
																				S
02/14/85	5050		12.0	42.8F	7.8	120	--	--	--	--	--	--	--	--	--	--				
0925	5050	386	100	6.0C											14F	--				
																				S
03/12/85	5050		12.3	44.6F	7.5	126	--	--	--	--	--	--	--	--	--	--				
0925	5050	434	105	7.0C											14F	--				
																				S
04/15/85	5050		10.5	51.8F	7.8	123	--	--	--	--	--	--	--	--	--	--				
1015	5050	410	98	11.0C											24F	--				
																				S
05/09/85	5050		9.9	51.8F	7.9	128	--	--	--	--	--	--	--	--	--	--				
0830	5050	314	93	11.0C											24F	--				
																				S
06/13/85	5050		9.6	62.6F	7.9	117	10	7.0	8.0	--	56	--	4.0	--	.1	--		94	0.3	
0745	5050	292	102	17.0C	7.8	120	.50	.58	.35		1.12		.11		14	--		0	0.5	
							35	41	24											S
07/09/85	5050		9.6	62.6F	7.9	126	--	--	--	--	--	--	--	--	--	--				
0820	5050	266	102	17.0C											24F	--				
08/19/85	5050		10.2	59.0F	7.9	116	--	--	--	--	--	--	--	--	--	--				
1010	5050	266	104	15.0C											24F	--				
09/10/85	5050		10.8	51.8F	7.9	118	--	--	--	--	--	--	--	--	--	--				
0800	5050	336	101	11.0C											24F	--				
A2	4100.00				SQUAW C AB SHASTA LK							A2280								
10/24/84	5050		12.6	47.5F	7.3	199	39	4.0	4.0	.4	--	17	1.0	--	.0	--		114	0.0	
1100	5050		112	8.6C			1.95	.33	.17	.01		.35	.03		14F	--				
							79	13	7	0										S
A3	R 036.1 232.4				WHISKEYTOWN RES A DM							A1983								
05/21/85	5050		9.2	62.6F	7.4	61	5.0	6.0	2.0	.4	--	3.0	1.0	--	.0	--		37	0.0	
0930	5050		99	17.0C			.25	.49	.09	.01		.06	.03		14F	--				
		0					30	58	11	1										S
09/23/85	5050		8.9	64.0F	7.4	67	3.0	6.0	3.0	.3	--	2.0	1.0	--	.0	--		37	0.0	
0800	5050		97	17.8C			.25	.49	.13	.01		.04	.03		24F	--				
		0					28	56	15	1										S
A3	1110.00				STONY C BL BLACK BUTTE DM NR ORLAND							A1340								
10/26/84	5050	2.54	10.0	59.0F	8.1	396	--	--	--	--	--	--	--	--	--	--				
0935	5050	56	100	15.0C											28AF	--				
11/19/84	5050	2.29	10.8	51.8F	8.1	364	--	--	--	--	--	--	--	--	--	--				
0945	5050	31	99	11.0C											34AF	--				
12/17/84	5050	5.34	12.6	48.2F	7.9	326	--	--	--	--	--	--	--	--	--	--				
1300	5050	972	110	9.0C											22AF	--				
01/22/85	5050	3.59	12.5	46.4F	8.1	330	--	--	--	--	--	--	--	--	--	--				
1115	5050	52	107	8.0C											54F	--				
02/20/85	5050	2.52	11.9	46.4F	8.1	316	--	--	--	--	--	--	--	--	--	--				
1000	5050	46	101	8.0C											21AF	--				
03/19/85	5050	2.28	11.5	52.7F	7.9	330	--	--	--	--	--	--	--	--	--	--				
1040	5050	26	106	11.5C											11AF	--				
04/25/85	5050	3.16	10.9	55.4F	8.0	352	--	--	--	--	--	--	--	--	--	--				
0930	5050	123	104	13.0C											21AF	--				
05/22/85	5050	7.99	10.2	71.6F	8.1	320	33	13	15	--	118	--	21	--	.1	--		136	0.6	
1409	5050	98	117	22.0C	7.9	338	1.65	1.07	.65		2.36		.59		33A	--		18	1.0	
							49	32	19											S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. D	OD SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	A3	1110.00		STONY C BL BLACK BUTTE OR NR ORLAND								A13A0 CONTINUED								
06/24/85 0905	5050 5050	4.48 193	9.1 105	71.6F 22.0C	8.1	345	--	--	--	--	--	--	--	--	-- 344F	-- --				
07/23/85 0915	5050 5050	3.43 184	8.5 103	77.0F 25.0C	8.0	366	--	--	--	--	--	--	--	--	-- 224F	-- --				
08/26/85 0830	5050 5050	2.79 80	8.2 98	75.2F 24.0C	7.9	372	--	--	--	--	--	--	--	--	-- 324F	-- --				
09/13/85 0840	5050 5050	3.30 32	8.0 88	68.0F 20.0C	8.1 8.6	382 386	33 1.65 41	18 1.48 37	20 .87 22	--	151 3.02	--	20 .56	--	.3 1004	-- --		157 6	0.7 1.3	S
	A3	1253.00		STONY C AB GRINDSTONE C								A14B1								
10/26/84 1020	5050 5050	2E	11.6 127	66.2F 19.0C	8.1	419	--	--	--	--	--	--	--	--	-- 38F	-- --				
11/19/84 1030	5050 5050	150E	11.1 99	49.1F 9.5C	7.8 7.7	191 196	25 1.25 68	4.0 .33 18	6.0 .26 14	--	58 1.16	--	5.0 .14	--	.0 244	-- --		79 21	0.3 0.4	S
12/17/84 1410	5050 5050	600E	12.4 110	49.1F 9.5C	8.3	299	--	--	--	--	--	--	--	--	-- 154F	-- --				
01/22/85 1200	5050 5050	30E	12.5 113	50.0F 10.0C	8.2	480	--	--	--	--	--	--	--	--	-- 28F	-- --				
02/20/85 1055	5050 5050	70E	11.6 104	50.0F 10.0C	7.9	214	--	--	--	--	--	--	--	--	-- 58F	-- --				
03/19/85 1130	5050 5050	30E	11.5 117	59.9F 15.5C	8.3	506	--	--	--	--	--	--	--	--	-- 34F	-- --				
04/25/85 1025	5050 5050	40E	11.7 118	59.0F 15.0C	8.3	381	--	--	--	--	--	--	--	--	-- 48F	-- --				
05/22/85 1455	5050 5050	100E	9.4 108	70.7F 21.5C	8.4 8.1	299 324	29 1.45 46	12 .99 32	16 .70 22	--	115 2.30	--	21 .59	--	.4 134	-- --		122 7	0.6 1.1	S
06/24/85 1000	5050 5050	45E	9.1 105	71.6F 22.0C	8.2	361	--	--	--	--	--	--	--	--	-- 125AF	-- --				
07/23/85 1000	5050 5050	200E	8.9 111	78.8F 26.0C	8.2	369	--	--	--	--	--	--	--	--	-- 33AF	-- --				
08/26/85 0940	5050 5050	150E	9.3 110	73.4F 23.0C	8.6	370	--	--	--	--	--	--	--	--	-- 16AF	-- --				
09/13/85 0930	5050 5050	5E	10.7 117	66.2F 19.0C	8.3 8.6	393 409	31 1.55 36	23 1.89 43	21 .91 21	--	166 3.32	--	20 .56	--	.3 234	-- --		172 6	0.7 1.4	S
	A3	1302.00		GRINDSTONE C NR ELK C								A14B1								
10/26/84 1015	5050 5050	5E	9.8 107	66.2F 19.0C	8.1	530	--	--	--	--	--	--	--	--	-- 18F	-- --				
11/19/84 1015	5050 5050	100E	11.5 101	48.2F 9.0C	7.6	187	--	--	--	--	--	--	--	--	-- 334F	-- --				
12/17/84 1340	5050 5050	360E	11.9 101	45.5F 7.5C	7.6	208	--	--	--	--	--	--	--	--	-- 74F	-- --				
01/22/85 1145	5050 5050	100E	12.3 104	45.5F 7.5C	8.0	260	--	--	--	--	--	--	--	--	-- 24F	-- --				
02/20/85 1045	5050 5050	125E	11.5 99	46.4F 8.0C	7.8	201	--	--	--	--	--	--	--	--	-- 34F	-- --				
03/19/85 1120	5050 5050	40E	10.5 104	57.2F 14.0C	8.0 8.3	248 259	32 1.60 65	6.0 .49 20	9.0 .39 16	--	93 1.66	--	7.0 .20	--	.1 24	-- --		105 22	0.4 0.6	S
04/25/85 1010	5050 5050	60E	10.5 101	55.4F 13.0C	8.0	204	--	--	--	--	--	--	--	--	-- 34F	-- --				
05/22/85 1450	5050 5050	25E	8.3 106	81.5F 27.5C	8.2	230	--	--	--	--	--	--	--	--	-- 24F	-- --				
06/24/85 0950	5050 5050	10E	9.1 107	73.4F 23.0C	8.2	310	--	--	--	--	--	--	--	--	-- 34F	-- --				
07/23/85 1010	5050 5050	1F	9.6 128	84.2F 29.0C	8.4	337	--	--	--	--	--	--	--	--	-- 14F	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	GAGE Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCM	SAR ASAR	REM
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER					
43	1302.00				GRINDSTONE C NR ELK C							A14R1 CONTINUED								
08/26/85	5050		9.8	77.0F	8.1	367	--	--	--	--	--	--	--	--	--	--				
0930	5050	1E	120	25.0C											3AF	--				
09/13/85	5050		9.8	65.0F	8.2	418	--	--	--	--	--	--	--	--	--	--				
0920	5050	2E	109	20.0C											1AF	--				
43	3110.00				ELDER C NR PASKENTA							A16B1								
04/25/85	5050		10.5	57.2F	8.2	275	--	--	--	--	--	--	--	--	--	--				
1135	5050	4E	104	14.0C											2AF	--				
09/13/85	5050	1.20	10.6	67.1F	8.4	799	43	32	7C	--	164	--	142	--	.1	--		239	2.0	
1045	5050	2.3	117	19.5C	8.5	815	2.15	2.63	3.05		3.28		4.00		14	--		75	4.0	
							27	34	39											S
43	8130.00				CLEAR C NR IGO							A1740								
05/23/85	5050	2.77	9.6	57.2F	7.4	221	21	9.0	9.C	1.4	90	10	7.0	.1	.0	--	135	90	0.4	
1025	5050	54	95	14.0C	6.7	220	1.05	.74	.39	.04	1.80	.21	.20	.00	14	--	111	0	0.6	
							47	33	1E	2	81	10	9	0						
09/24/85	5050	2.62	10.5	60.8F	7.5	103	6.0	6.0	5.C	--	42	--	4.0	--	.0	--		40	0.3	
1000	5050	50	108	16.0C	8.2	101	.30	.49	.22		.84		.11		14	--		0	0.3	
							30	49	22											S
44	1110.00				BUTTE CR NR CHICO							A0700								
11/30/84	5050	2.30	12.7	44.6F	7.3	90	--	--	--	--	--	--	--	--	--	--				
1010	5050	424	108	7.3C											3AF	--				
																				S
01/28/85	5050	1.85	12.4	41.0F	7.8	127	11	5.0	5.C	--	53	--	1.0	--	.0	--		48	0.3	
1600	5050	145	98	5.0C	8.1	116	.59	.41	.22		1.06		.03		24	--		0	0.3	
							47	35	1C											S
03/29/85	5050	2.26	12.5	42.8F	7.3	96	12	6.0	4.C	--	46	--	1.0	--	.0	--		54	0.2	
1100	5050	412	101	6.0C	8.4	99	.60	.49	.17		.92		.03		14	--		9	0.2	
							48	39	13											S
05/30/85	5050	1.94	11.1	13.0F	7.8	93	--	--	--	--	--	--	--	--	--	--				
1035	5050	241	43	10.5C											5AF	--				
07/31/85	5050	1.60	9.7	68.0F	8.2	109	--	--	--	--	--	--	--	--	--	--				
1220	5050	125	107	20.0C											1AF	--				
09/27/85	5050	0.43	10.1	60.8F	7.9	131	--	--	--	--	--	--	--	--	--	--				
1015	5050	98	103	16.0C											5AF	--				
44	2111.00				CHICO C BIG NR CHICO							A13R0								
01/28/85	5050		14.1	44.6F	8.0	194	--	--	--	--	--	--	--	--	--	--				
1645	5050	48	117	7.0C											2AF	--				
03/29/85	5050	1.73	12.8	46.4F	7.9	129	13	7.0	8.C	--	58	--	3.0	--	.1	--		62	0.4	
1130	5050	136	109	8.0C	6.8	134	.65	.58	.35		1.12		.08		14	--		6	0.9	
							41	37	22											S
05/30/85	5050	0.67	10.7	17.0F	8.3	204	--	--	--	--	--	--	--	--	--	--				
1120	5050	29	95	8.3C											3AF	--				
07/31/85	5050	0.65	9.1	73.4F	8.2	400	--	--	--	--	--	--	--	--	--	--				
1255	5050	21	108	23.0C											11AF	--				
09/27/85	5050	0.67	9.8	66.2F	8.2	227	--	--	--	--	--	--	--	--	--	--				
1100	5050	23	106	19.0C											9AF	--				
44	4050.01				PAYNES C NR RED BLUFF							A1740								
10/26/84	5050		8.6	59.0F	7.3	217	--	--	--	--	--	--	--	--	--	--				
0900	5050	40E	87	15.0C											2AF	--				
03/19/85	5050		10.8	85.4F	7.3	171	12	8.0	12	--	76	--	6.0	--	.1	--		63	0.7	
0910	5050	29E	102	13.0C	8.3	179	.60	.66	.52		1.52		.17		14	--		0	0.8	
							34	37	29											S
44	7110.00				RATTLE C NR COTTONWOOD							A1740								
10/24/84	5050	1.41	11.4	53.6F	7.7	142	10	7.0	9.C	--	66	--	3.0	--	.0	--		54	0.5	
1030	5050	343	107	12.0C	7.8	148	.50	.58	.39		1.32		.08		24	--		0	0.6	
							34	39	27											S
02/14/85	5050	1.40	11.3	50.0F	7.7	142	10	7.0	8.C	--	65	--	2.0	--	.0	--		54	0.5	
1220	5050	394	101	10.0C	8.1	143	.50	.59	.35		1.30		.05		24	--		0	0.5	
							35	41	24											S
44	8111.00				CCW C NR PALO CEDRO							A1740								
05/23/85	5050		9.7	78.8F	8.1	133	12	5.0	7.C	--	57	--	4.0	--	.0	--		50	0.4	
1305	5050	124	120	24.0C	7.0	136	.60	.41	.30		1.34		.11		24	--		0	0.4	
							46	31	23											S
09/24/85	5050		10.8	71.6F	8.3	177	15	7.0	1C	--	72	--	8.0	--	.1	--		66	0.5	
1215	5050	95	122	22.0C	8.3	179	.75	.58	.44		1.44		.23		24	--		0	0.7	
							42	33	25											S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.W. Q	DO SAT	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	SUM	TH NCH	SAR 45AR	REM
							MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	A5	3420.00			FEATHER R NF NR PORTOLA						A11C2									
04/23/85	5050		8.4	56 F	7.6	121	16	6.0	9.0	--	.80	--	2.0	--	--	--	101	64	0.5	E
1115	5050		95	13 C	7.5	128	.80	.49	.39		1.20		.06		7A	--		5	0.6	
							48	29	23											
09/18/85	5050	1.75	7.8	52.2F	7.6	119	11	3.0	5.0	1.1	.48	2.0	1.0	.4	.0	--	68	40	0.3	
1115	5050		84	11.2C	8.0	103	.55	.25	.22	.03	.96	.04	.03	.01		--	52	0	0.3	T
							52	24	21	3	.92	4	3	1						
	A6	4700.00			YUBA R(SOUTH) NR CISCO						A10C4									
04/23/85	5050		10.2	45 F	7.0	45	4.0	1.0	6.0	--	.9	--	6.0	--	--	--	41	14	0.7	E
1330	5050		103	7 C	7.6	45	.20	.08	.26		.18		.17		1A	--		5	0.2	
							37	15	46											
09/18/85	5050	2.58	7.6	56.1F	7.4	26	2.0	.0	2.0	.4	.8	1.0	2.0	.1	.0	--	16	5	0.4	
1330	5050		88	13.4C	6.0	24	.10	.00	.09	.01	.16	.02	.06	.00		--	12	0	0.3	T
							50	0	45	5	67	8	25	0						
	A7	4550.00			AMERICAN R SF NR KYBURZ						A06A5									
04/21/85	5050		10.6	41 F	7.2	33	3.0	1.0	3.0	--	11	--	3.0	--	--	--	35	12	0.4	E
1630	5050		94	5 C	6.7	34	.15	.08	.13		.22		.06		14	--		1	0.1	
							42	22	36											
09/17/85	5050	1.08	8.7	51.8F	7.4	44	4.0	1.0	3.0	.8	12	1.0	5.0	.4	.0	--	36	14	0.3	E
0730	5050		90	11.0C	7.4	46	.20	.08	.13	.02	.24	.02	.14	.01		--	22	2	0.1	T
							47	19	30	5	59	5	34	2						
	A7	5250.10			RUBICON R A ELLICOTT RO						A06C3									
05/30/85	2163		8.9	53 F	7.1	57	--	--	--	--	--	--	--	--	--	--	40			
1045	5050	200E	92	12 C											0A	--				
	A8	L 857.9 240.6			CLEAR LK LO ARM CL3						A0402									
10/23/84	5050		11.4	57.9F	7.9	230	21	14	1C	1.8	--	--	--	--	.8	--		110	0.0	
1100	5050		116	14.4C			1.05	1.15	.44	.05					5AF	--				
		0					39	43	16	2										S
11/20/84	5050		9.4	48.6F	7.3	255	21	14	1C	1.8	--	--	--	--	.8	--		110	0.0	
1415	5050		85	9.2C			1.05	1.15	.44	.05					5AF	--				
		0					39	43	16	2										S
01/24/85	5050		9.0	45.1F	7.2	261	21	14	1C	1.8	--	--	--	--	.9	--		110	0.0	
1045	5050		78	7.3C			1.05	1.15	.44	.05					4AF	--				
		0					39	43	16	2										S
02/21/85	5050		9.8	45.5F	7.3	255	22	15	11	1.8	--	--	--	--	.9	--		117	0.0	
1100	5050		85	7.5C			1.10	1.23	.48	.05					4AF	--				
		0					38	43	17	2										S
03/19/85	5050		9.4	49.6F	7.2	252	22	15	11	1.8	--	10	5.0	--	1.0	--	138	117	0.0	
1100	5050		86	9.8C			1.10	1.23	.48	.05		.21	.14		5AF	--				
		0					38	43	17	2										S
04/25/85	5050		10.0	59.2F	7.9	257	20	14	1C	1.7	--	--	--	--	.9	--		108	0.0	
1245	5050		103	15.1C			1.00	1.15	.44	.04					8AF	--				
		0					38	44	17	2										S
05/30/85	5050		10.4	65.8F	8.1	252	20	14	1C	1.7	--	--	--	--	.9	--		108	0.0	
1050	5050		116	18.8C			1.00	1.15	.44	.04					7AF	--				
		0					38	44	17	2										S
06/27/85	5050		8.3	78.1F	7.5	260	20	14	10	1.7	--	--	--	--	.9	--		108	0.0	
1130	5050		105	25.6C			1.00	1.15	.44	.04					2AF	--				
		0					38	44	17	2										S
07/23/85	5050		8.9	79.5F	8.0	268	21	15	11	1.9	--	11	6.0	--	.9	--	143	114	0.0	
1230	5050		114	26.4C			1.05	1.23	.48	.05		.23	.17		2AF	--				
		0					37	44	17	2										S
08/28/85	5050		10.3	76.1F	8.1	273	23	15	11	2.1	--	--	--	--	1.0	--		119	0.0	
1000	5050		128	24.5C			1.15	1.23	.48	.05					4AF	--				
		0					40	42	16	2										S
09/26/85	5050		10.0	71.2F	7.9	286	24	16	12	2.0	--	--	--	--	1.1	--		126	0.0	
0830	5050		118	21.8C			1.20	1.32	.52	.05					3AF	--				
		0					39	43	17	2										S
	A8	L 900.7 241.7			CLEAR LK 23 OAKS ARM CL4						A0402									
10/23/84	5050		11.1	57.4F	8.0	222	20	14	1C	1.8	--	--	--	--	.7	--		108	0.0	
1145	5050		112	14.1C			1.00	1.15	.44	.05					7AF	--				
		0					38	44	17	2										S
11/20/84	5050		10.1	48.2F	7.8	245	20	14	9.0	1.7	--	--	--	--	.7	--		108	0.0	
1330	5050		91	9.0C			1.00	1.15	.39	.04					3AF	--				
		0					39	43	15	2										S
12/18/84	5050		10.0	46.6F	8.1	237	20	14	9.0	1.7	--	--	--	--	.7	--		108	0.0	
1200	5050		88	8.1C			1.00	1.15	.39	.04					7AF	--				
		0					39	45	15	2										S
01/24/85	5050		9.8	45.5F	7.3	242	20	13	9.0	1.6	--	--	--	--	.8	--		104	0.0	
1130	5050		83	7.5C			1.00	1.07	.39	.04					5AF	--				
		0					40	43	16	2										S
02/21/85	5050		9.1	45.0F	7.5	244	21	14	1C	1.6	--	--	--	--	.8	--		110	0.0	
1140	5050		79	7.2C			1.05	1.15	.44	.04					5AF	--				
		0					39	43	16	1										S
03/19/85	5050		10.8	48.7F	7.8	242	20	14	1C	1.5	--	11	5.0	--	.8	--	129	108	0.0	
1145	5050		98	9.3C			1.00	1.15	.44	.04		.23	.14		5AF	--				
		0					38	44	17	2										S
04/25/85	5050		9.8	59.0F	8.2	246	20	14	1C	1.6	--	--	--	--	.8	--		109	0.0	
1320	5050		102	15.5C			1.00	1.15	.44	.04					7AF	--				
		0					38	44	17	2										S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	FLOW	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE (MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER) CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER THPR	SIO2	F	TDS SUM	TH NCM	SAR ASAR	REM
AB L 900.7 241.7 CLEAR LK 23 OAKS ARM CL4												A0402 CONTINUED									
05/30/85	5050		9.7	65.8F	8.1	246	20	14	1C	1.5	--	--	--	--	.8	--			108	0.0	
1140	5050		108	18.4C			1.00	1.15	.44	.04					74F	--					
		0					3A	44	17	2											S
06/27/85	5050		7.8	77.0F	7.8	254	21	15	1C	1.8	--	--	--	--	.8	--			114	0.0	
1215	5050		9A	25.0C			1.05	1.23	.44	.05					24F	--					
		0					38	44	16	2											S
07/23/85	5050		8.9	80.6F	8.5	258	22	14	11	1.7	--	11	6.0	--	.8	--	144		113	0.0	
1415	5050		116	27.0C			1.10	1.15	.46	.04		.23	.17		24F	--					
		0					40	42	17	1											S
08/26/85	5050		11.7	76.1F	8.3	260	23	15	11	1.9	--	--	--	--	.9	--			119	0.0	
1045	5050		145	24.5C			1.15	1.23	.46	.05					104F	--					
		0					40	42	16	2											S
09/26/85	5050		13.7	71.6F	8.9	269	24	16	12	2.0	--	--	--	--	1.0	--			126	0.0	
0915	5050		163	22.0C			1.20	1.32	.52	.05					144F	--					
		0					39	43	17	2											S
AB L 902.7 254.7 1 CLEAR LK A LAKEPORT												A0402									
10/25/84	5050		19.1	66.2F	8.4	235	--	--	--	--	--	--	--	--	--	--					
1305	5050		214	19.0C											234F	--					
12/06/84	5050		10.7	46.4F	7.7	227	--	--	--	--	--	--	--	--	--	--					
0825	5050		94	8.0C											224F	--					
02/07/85	5050		10.2	46.4F	7.2	225	18	12	9.C	--	101	--	4.0	--	.6	--			94	0.4	
0705	5050		90	8.0C	8.1	233	.90	.99	.39		2.02		.11		124	--			0	0.6	
							39	43	17												S
04/04/85	5050		11.8	62.6F	8.3	220	--	--	--	--	--	--	--	--	--	--					
1440	5050		127	17.0C											74F	--					
06/07/85	5050		6.9	66.2F	7.3	237	--	--	--	--	--	--	--	--	--	--					
0645	5050		77	19.0C											174F	--					
08/08/85	5050		6.6	73.4F	7.6	265	--	--	--	--	--	--	--	--	--	--					
0715	5050		80	23.0C											94F	--					
AB L 903.8 251.9 CLEAR LK 15-UP ARM CL-1												A0402									
10/23/84	5050		9.9	57.4F	7.9	210	20	13	9.0	1.8	--	--	--	--	.6	--			104	0.0	
1015	5050		100	14.1C			1.00	1.07	.39	.05					154F	--					
		0					40	43	16	2											S
11/20/84	5050		10.5	47.3F	7.9	229	20	13	9.C	1.6	--	--	--	--	.6	--			104	0.0	
1200	5050		94	8.5C			1.00	1.07	.39	.04					194F	--					
		0					40	43	16	2											S
12/18/84	5050		9.8	45.0F	7.9	225	19	13	9.0	1.7	--	--	--	--	.6	--			101	0.0	
1030	5050		85	7.2C			.95	1.07	.39	.04					194F	--					
		0					39	44	16	2											S
01/24/85	5050		9.9	45.5F	7.5	231	19	13	9.C	1.5	--	--	--	--	.6	--			101	0.0	
1230	5050		86	7.5C			.95	1.07	.39	.04					114F	--					
		0					39	44	16	2											S
02/21/85	5050		9.6	46.2F	7.5	217	18	13	9.C	1.5	--	--	--	--	.6	--			98	0.0	
1230	5050		84	7.9C			.90	1.07	.39	.04					104F	--					
		0					38	45	16	2											S
03/19/85	5050		9.6	51.8F	7.6	211	19	13	9.C	1.5	--	11	4.0	--	.7	--	130		101	0.0	
1015	5050		91	11.0C			.95	1.07	.39	.04		.23	.11		34F	--					
		0					39	44	16	2											S
04/25/85	5050		9.3	57.9F	8.0	232	19	13	9.0	1.6	--	--	--	--	.7	--			101	0.0	
1045	5050		95	14.4C			.95	1.07	.39	.04					54F	--					
		0					39	44	16	2											S
05/30/85	5050		8.1	67.3F	7.8	226	21	14	1C	1.7	--	--	--	--	.7	--			110	0.0	
1000	5050		92	19.6C			1.05	1.15	.44	.04					94F	--					
		0					39	43	16	1											S
06/27/85	5050		8.6	76.3F	7.5	245	20	14	1C	1.7	--	--	--	--	.8	--			108	0.0	
1000	5050		100	24.6C			1.00	1.15	.44	.04					24F	--					
		0					38	44	17	2											S
07/24/85	5050		8.0	82.3F	8.2	255	22	14	11	1.8	--	11	6.0	--	.8	--	146		113	0.0	
1030	5050		105	27.8C			1.10	1.15	.48	.05		.23	.17		24F	--					
		0					40	41	17	2											S
08/28/85	5050		9.6	78.4F	8.2	245	24	15	11	2.0	--	--	--	--	.9	--			122	0.0	
1115	5050		122	25.8C			1.20	1.23	.48	.05					94F	--					
		0					41	42	16	2											S
09/26/85	5050		9.9	71.4F	8.3	269	24	16	11	1.9	--	--	--	--	.9	--			126	0.0	
1000	5050		117	21.9C			1.20	1.32	.48	.05					144F	--					
		0					39	43	16	2											S
AB 1135.00 CACHE C A RUMSEY												AC2C0									
04/09/85	5050	11.82	9.4	70 F	8.4	435	24	26	3C	--	166	--	26	--	--	--	249		167	1.0	
1530	5050		95	21 C	8.3	451	1.20	2.14	1.31		3.32		.73		154	--			1	2.0	
							26	46	28												
09/24/85	5050	11.13	7.6	67.5F	8.3	290	26	19	22	2.3	154	12	20	.1	1.2	--	209		143	0.8	X
0945	5050		84	19.7C	8.6	383	1.30	1.56	.56	.06	3.08	.25	.56	.00		--	195		0	1.5	
							34	40	25	2	79	6	14	0							

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	FIELD EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	TOS	TH	SAR	REF
	AB	1250.00			REAR C NR RUMSEY							A0490							
10/25/84	5050	0.51	10.3	62.6F	8.7	3120	4.0	124	490	--	632	--	668	--	1.4	--	520	9.4	
1620	5050	.0	109	17.0C	8.7	3140	.20	10.20	21.32		12.63		18.84		1A	--	0	26.4	
							1	32	67										5
12/06/84	5050	1.56	11.4	44.6F	8.3	1380	--	--	--	--	--	--	--	--	--	--			
1040	5050	13	96	7.0C											3AF	--			
02/07/85	5050	0.94	9.5	44.6F	8.4	2110	--	--	--	--	--	--	--	--	--	--			
0850	5050	.8	80	7.0C											1AF	--			
04/18/85	5050	1.02	9.7	68.0F	8.4	1710	--	--	--	--	--	--	--	--	--	--			
1415	5050	1.5	109	20.0C											3AF	--			
06/07/85	5050	0.64	9.2	75.2F	8.4	2140	--	--	--	--	--	--	--	--	--	--			
0900	5050	.5	111	24.0C											3AF	--			
08/08/85	5050	0.38	8.4	71.6F	8.8	3370	18	133	543	--	682	--	791	--	18.0	--	592	9.7	
1005	5050		98	22.0C	8.8	3530	.90	10.94	23.62		13.63		22.31		04	--	0	28.1	
							3	31	67										5
	AB	1350.00			CACHE C NR LOWER LK							A0401							
10/25/84	5050		10.0	64.4F	8.0	273	22	15	11	--	124	--	6.0	--	.8	--	117	0.4	
1405	5050	6.7	110	18.0C	7.8	273	1.10	1.23	.48		2.48		.17		8A	--	0	0.7	
							39	44	17										5
12/06/84	5050		8.7	46.4F	7.3	250	--	--	--	--	--	--	--	--	--	--			
0930	5050	8.0	76	8.0C											20AF	--			
02/07/85	5050		9.0	42.8F	7.1	279	22	14	13	--	97	--	8.0	--	.4	--	113	0.5	
0750	5050	1.3	75	6.0C	8.0	287	1.10	1.15	.57		1.94		.23		3A	--	16	0.8	
							39	41	20										5
04/04/85	5050		10.1	68.0F	8.2	280	--	--	--	--	--	--	--	--	--	--			
1730	5050	6E	115	20.0C											19AF	--			
06/07/85	5050		8.2	73.4F	7.7	263	--	--	--	--	--	--	--	--	--	--			
0740	5050	534	99	23.0C											15AF	--			
08/08/85	5050		7.2	77.0F	7.8	268	--	--	--	--	--	--	--	--	--	--			
0900	5050	310	90	25.0C											4AF	--			
	AB	1500.00			KELSEY C NR KELSEYVILLE							A0404							
10/04/84	5050		8.6	60.8F	7.3	231	12	20	7.0	1.3	--	4.0	3.0	--	.0	--		0.0	
0620	5050		91	16.0C			.60	1.64	.30	.03		.08	.08		14F	--			
							23	64	12	1									5
11/07/84	5050		9.4	50.9F	7.6	235	14	19	7.0	1.3	--	4.0	4.0	--	.0	--	113	0.0	
1600	5050		88	10.5C			.70	1.56	.30	.03		.08	.11		2AF	--			
							27	60	12	1									5
12/05/84	5050		10.5	46.4F	7.5	205	12	16	5.0	1.0	--	7.0	2.0	--	.0	--	96	0.0	
0800	5050		93	8.0C			.60	1.32	.22	.03		.15	.06		4AF	--			
							28	61	10	1									5
01/07/85	5050		11.9	44.6F	7.6	260	16	21	6.0	1.1	--	7.0	3.0	--	.1	--	127	0.0	
1100	5050		103	7.0C	8.2		.80	1.73	.26	.03		.15	.08		3AF	--			
							28	61	9	1									5
02/04/85	5050		12.2	40.1F	7.6	290	15	25	7.0	1.1	--	7.0	4.0	--	.1	--	141	0.0	
1140	5050		99	4.5C			.75	2.06	.30	.03		.15	.11		0AF	--			
							24	66	10	1									5
03/07/85	5050		11.5	42.8F	7.8	262	15	23	6.0	--	--	3.0	6.0	--	.0	--	132	0.0	
1100	5050		97	6.0C			.75	1.89	.26			.06	.17		2AF	--			
							26	65	9										5
04/03/85	5050		10.0	50.9F	7.5	235	18	24	6.0	--	--	6.0	2.0	--	.1	--	144	0.0	
0730	5050		94	10.5C			.90	1.97	.26			.12	.06		2AF	--			
							29	63	8										5
05/08/85	5050		8.4	64.4F	7.8	320	17	26	7.0	--	--	5.0	4.0	--	.1	--	150	0.0	
1635	5050		93	18.0C			.85	2.14	.30			.10	.11		1AF	--			
							26	65	9										5
06/04/85	5050		8.7	70.7F	8.0	310	17	27	8.0	--	--	4.0	5.0	--	.1	--	154	0.0	
1530	5050		103	21.5C			.85	2.22	.35			.08	.14		1AF	--			
							25	65	10										5
07/09/85	5050		7.5	73.4F	7.8	335	19	31	8.0	--	--	5.0	4.0	--	.1	--	175	0.0	
0955	5050		91	23.0C			.95	2.55	.35			.12	.11		1AF	--			
							25	66	9										5
08/06/85	5050		8.0	79.7F	7.9	350	19	30	8.0	--	--	4.0	4.0	--	.1	--	171	0.0	
1420	5050		104	26.5C			.95	2.47	.35			.08	.11		0AF	--			
							25	66	9										5
09/03/85	5050		8.4	75.2F	7.6	332	18	30	8.0	--	--	4.0	4.0	--	.1	--	169	0.0	
1415	5050		104	24.0C			.90	2.47	.35			.08	.11		2AF	--			
							24	66	9										5
09/30/85	5050		8.6	68.9F	7.6	290	16	25	8.0	--	--	3.0	4.0	--	.1	--	143	0.0	
1400	5050		100	20.5C			.80	2.06	.35			.06	.11		1AF	--			
							25	64	11										5

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	A TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	BER
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	4B	2050.00			CACHE C NF NR LOWER LAKE							AC4CO								
10/25/84	5050		11.0	64.4F	8.3	322	--	--	--	--	--	--	--	--	--	--				
1445	5050	4E	129	18.0C											1AF	--				
12/06/84	5050		11.2	48.2F	7.8	266	--	--	--	--	--	--	--	--	--	--				
1000	5050	50E	100	9.0C											3AF	--				
02/07/85	5050		10.6	46.4F	7.7	336	--	--	--	--	--	--	--	--	--	--				
0820	5050	20E	92	8.0C											2AF	--				
04/18/85	5050		11.0	57.2F	8.2	259	--	--	--	--	--	--	--	--	--	--				
1310	5050		110	14.0C											3AF	--				
06/07/85	5050		10.2	55.4F	8.0	252	--	--	--	--	--	--	--	--	--	--				
0815	5050	75E	100	13.0C											2AF	--				
08/08/85	5050		10.7		8.1	250	18	17	1C	--	117	--	8.0	--	.6	--		115	0.4	
0855	5050	75E			8.4	257	.90	1.40	.44		2.34		.23		14	--		0	0.7	
							33	51	16											S
	4B	5601.00			KELSEY C 4B HIGH VLY C							AC404								
10/04/84	5050		9.5	59.4F	7.3	120	6.0	7.0	6.0	1.4	--	2.0	2.0	--	.0	--			0.0	
0840	5050		97	13.0C			.30	.58	.26	.04		.04	.06		1AF	--				
							25	49	22	3										S
11/06/84	5050		10.0	51.8F	7.4	140	9.0	9.0	6.0	1.7	--	2.0	4.0	--	.0	--		60	0.0	
1400	5050		97	11.0C			.45	.74	.26	.04		.04	.11		5AF	--				
							30	50	17	3										
12/04/84	5050		11.0	44.6F	7.4	135	8.0	9.0	6.0	1.2	--	6.0	2.0	--	.0	--		57	0.0	
1145	5050		97	7.0C			.40	.74	.26	.03		.12	.06		6AF	--				
							28	52	18	2										S
01/07/85	5050		9.7	43.7F	7.3	175	10	12	6.0	1.3	--	6.0	3.0	--	.1	--		74	0.0	
1300	5050		69	6.5C	8.2		.50	.99	.26	.03		.12	.08		254F	--				
							28	56	15	2										S
02/04/85	5050		12.0	41.9F	7.4	181	9.0	11	7.0	1.3	--	5.0	4.0	--	.1	--		68	0.0	
1230	5050		102	5.5C			.45	.90	.30	.03		.10	.11		1AF	--				
							27	54	18	2										S
03/07/85	5050		11.7	42.8F	7.6	165	10	12	6.0	--	--	4.0	3.0	--	.1	--		74	0.0	
1210	5050		101	6.0C			.50	.99	.26			.08	.08		2AF	--				
							29	57	15											S
04/01/85	5050		10.2	53.6F	7.7	149	10	11	6.0	--	--	7.0	2.0	--	.1	--		70	0.0	
1145	5050		102	12.0C			.50	.90	.28			.15	.06		1AF	--				
							30	54	16											S
05/08/85	5050		9.5	62.6F	7.7	170	10	12	7.0	--	--	5.0	3.0	--	.1	--		74	0.0	
1530	5050		103	17.0C			.50	.99	.30			.10	.08		1AF	--				
							28	55	17											S
06/04/85	5050		9.1	62.6F	7.8	160	9.0	10	6.0	--	--	2.0	3.0	--	.1	--		64	0.0	
1200	5050		101	17.0C			.45	.82	.26			.04	.08		1AF	--				
							29	54	17											S
07/09/85	5050		8.8	71.6F	8.0	150	10	9.0	7.0	--	--	2.0	2.0	--	.1	--		62	0.0	
1200	5050		108	22.0C			.50	.74	.30			.04	.06		2AF	--				
							32	48	19											S
08/06/85	5050		8.5	68.0F	7.5	147	8.0	8.0	7.0	--	--	2.0	2.0	--	.1	--		53	0.0	
1000	5050		100	20.0C			.40	.66	.30			.04	.06		1AF	--				
							29	49	22											S
09/03/85	5050		9.7	68.0F	7.5	128	8.0	8.0	7.0	--	--	2.0	2.0	--	.1	--		53	0.0	
1245	5050		114	20.0C			.40	.66	.30			.04	.06		1AF	--				
							29	49	22											S
09/30/85	5050		9.7	59.0F	7.5	132	7.0	7.0	6.0	--	--	1.0	3.0	--	.1	--		46	0.0	
1130	5050		103	15.0C			.35	.58	.28			.02	.08		1AF	--				
							29	49	22											S
	4B	5610.00			HIGH VALLEY C 4B KELSEY C							AC404								
10/04/84	5050		7.7	56.1F	7.4	330	27	19	7.0	.8	--	4.0	2.0	--	.1	--			0.0	
0900	5050		81	14.5C			1.35	1.56	.30	.02		.08	.06		0AF	--				
							42	48	9	1										S
11/06/84	5050		9.9	52.7F	7.4	300	32	16	6.0	.8	--	6.0	3.0	--	.0	--		146	0.0	
1400	5050		97	11.5C			1.60	1.32	.26	.02		.12	.08		2AF	--				
							50	41	8	1										S
01/07/85	5050		11.2	43.7F	7.6	227	23	13	5.0	.6	--	9.0	2.0	--	.2	--		111	0.0	
1240	5050		98	6.5C	8.2		1.15	1.07	.22	.02		.19	.06		394F	--				
							47	43	9	1										S
02/04/85	5050		12.4	41.9F	7.6	280	29	15	6.0	.5	--	8.0	2.0	--	.2	--		134	0.0	
1230	5050		106	5.5C			1.45	1.23	.26	.01		.17	.06		0AF	--				
							49	42	9	0										S
03/07/85	5050		11.1	46.4F	7.6	230	24	12	5.0	--	--	5.0	2.0	--	.1	--		110	0.0	
1230	5050		101	8.0C			1.20	.99	.22			.10	.06		2AF	--				
							40	41	9											S
04/01/85	5050		10.0	53.6F	7.6	188	24	13	5.0	--	--	7.0	2.0	--	.2	--		114	0.0	
1130	5050		100	12.0C			1.20	1.07	.22			.15	.06		2AF	--				
							48	43	9											S
05/08/85	5050		9.0	64.4F	7.7	280	30	16	6.0	--	--	5.0	2.0	--	.1	--		141	0.0	
1515	5050		102	14.0C			1.50	1.32	.26			.10	.06		174F	--				
							49	43	8											S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. D	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER: B TURB	F SIO2	TDS SUM	TH NCM	SAR ASAR	REM
	AB	9610.00			HIGH VALLEY C AB KELSEY C							A0404 CONTINUED								
06/04/83	5050		9.0	61.7F	7.9	305	33	16	6.0	--	--	5.0	2.0	--	.1	--		149	0.0	
1145	5050		99	16.5C			1.65	1.32	.26			.10	.06		1AF	--				
							51	41	8											S
07/09/85	5050		8.4	68.9F	7.9	340	38	20	8.0	--	--	6.0	2.0	--	.2	--		177	0.0	
1130	5050		100	20.5C			1.90	1.64	.35			.12	.06		1AF	--				
							49	42	9											S
08/06/85	5050		7.4	65.3F	7.8	360	31	19	8.0	--	--	5.0	2.0	--	.2	--		156	0.0	
0945	5050		85	18.5C			1.55	1.56	.35			.10	.06		1AF	--				
							45	45	10											S
09/03/85	5050		7.7	65.3F	7.3	360	30	22	9.0	--	--	6.0	2.0	--	.3	--		186	0.0	
1215	5050		88	18.5C			1.50	1.81	.39			.12	.06		1AF	--				
							41	49	11											S
09/30/85	5050		8.0	59.9F	7.5	355	37	20	8.0	--	--	5.0	2.0	--	.1	--		175	0.0	
1100	5050		86	15.5C			1.85	1.64	.35			.10	.06		1AF	--				
							48	43	9											S
	AB	5616.00			BOTTLE ROCK PWR PLANT NR GLENBROOK							A0404								
07/27/85	5050						.0	.0	1.0	--	244	5.0	14	--	.4	.1		0	0.0	
1430	5050				8.0	584	.00	.00	.04		4.88	.10	.39			--	167	0	0.0	
							0	0	10C											S
08/15/85	5050						1.0	.0	2.0	--	2	444	27	--	149	.3	1020	2	0.6	E
1330	5050				6.4	1320	.05	.00	.09		.04	9.24	.76			--	624	1	1.1	T
							36	0	64											
08/15/85	5050						.0	.0	.0	--	174	8.0	65	--	53.0	.1	163	0	0.0	E
1340	5050				6.7	670	.00	.00	.0C		3.48	.17	1.83			--	230	0	0.0	T
09/03/85	5050						--	--	1.0	--	--	376	--	--	146	--				
1115	5050				7.0	1200			.04			7.83				--				
09/12/85	5050						--	--	1.0	--	--	310	--	--	111	--				
	5050				7.2	1050			.04			6.45				--				
09/12/85	5050						--	--	1.0	--	--	29	--	--	31.0	--				
	5050				8.3	584			.04			.60				--				
	AB	3701.00			KELSEY C A GLENBROOK							A0404								
10/04/84	5050		9.9	53.6F	7.3	111	7.0	5.0	6.0	1.8	--	2.0	2.0	--	.0	--			0.0	
0715	5050		99	12.0C			.35	.41	.26	.05		.04	.06		2AF	--				
							31	38	24	5										S
11/06/84	5050		9.7	51.8F	7.4	113	8.0	6.0	6.0	2.1	--	1.0	3.0	--	.0	--		44	0.0	
1530	5050		93	11.0C			.40	.49	.26	.05		.02	.08		5AF	--				
							33	41	22	4										S
12/04/84	5050		10.5	47.3F	7.3	100	6.0	6.0	5.0	1.4	--	3.0	2.0	--	.0	--		40	0.0	
1545	5050		97	8.5C			.30	.49	.22	.04		.06	.06		4AF	--				
							29	47	21	4										S
01/07/85	5050		11.5	45.5F	7.5	118	7.0	7.0	5.0	1.5	--	2.0	2.0	--	.0	--		46	0.0	
1430	5050		103	7.5C	8.2		.35	.58	.22	.04		.04	.06		15AF	--				
							29	49	18	3										S
02/04/85	5050		11.8	42.8F	7.4	119	7.0	6.0	6.0	1.5	--	4.0	3.0	--	.0	--		42	0.0	
1340	5050		102	6.0C			.35	.49	.26	.04		.08	.08		2AF	--				
							31	43	23	4										S
03/07/85	5050		11.4	42.8F	7.4	115	7.0	6.0	6.0	--	--	2.0	2.0	--	.1	--		42	0.0	
1320	5050		99	6.0C			.35	.49	.26			.04	.06		4AF	--				
							32	43	24											S
04/01/85	5050		9.6	39.1F	7.3	102	7.0	6.0	6.0	--	--	4.0	2.0	--	.0	--		42	0.0	
1430	5050		101	14.5C			.35	.49	.26			.08	.06		5AF	--				
							32	43	24											S
05/08/85	5050		9.5	36.3F	7.6	120	7.0	7.0	6.0	--	--	1.0	2.0	--	.1	--		46	0.0	
1445	5050		98	13.5C			.35	.58	.26			.02	.06		3AF	--				
							29	49	22											S
06/04/85	5050		9.0	59.0F	7.7	130	7.0	6.0	7.0	--	--	1.0	3.0	--	.0	--		42	0.0	
1300	5050		96	15.0C			.35	.49	.30			.02	.08		3AF	--				
							31	43	26											S
07/09/85	5050		8.7	67.1F	7.8	122	7.0	5.0	6.0	--	--	2.0	2.0	--	.0	--		38	0.0	
1345	5050		102	19.5C			.35	.41	.26			.04	.06		3AF	--				
							34	40	25											S
08/06/85	5050		9.1	64.4F	7.8	120	7.0	5.0	7.0	--	--	2.0	2.0	--	.0	--		38	0.0	
1145	5050		103	18.0C			.35	.41	.30			.04	.06		2AF	--				
							33	39	28											S
09/03/85	5050		9.9	59.0F	7.5	120	7.0	5.0	7.0	--	--	2.0	2.0	--	.0	--		38	0.0	
1340	5050		106	15.0C			.35	.41	.30			.04	.06		3AF	--				
							33	39	28											S
09/30/85	5050		9.7	55.4F	7.4	120	7.0	6.0	7.0	--	--	1.0	2.0	--	.0	--		42	0.0	
1300	5050		99	13.0C			.35	.49	.30			.02	.06		2AF	--				
							31	43	26											S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	AP	5710.00			ALDER C A GLENBROOK							A0404								
10/04/84	5050		9.7	51.6F	7.2	75	4.0	2.0	4.0	1.2	--	2.0	2.0	--	.0	--			0.0	
0830	5050		94	11.0C			.20	.16	.17	.03		.04	.06		1AF	--				
							36	29	30	5										S
11/06/84	5050		10.0	50.0F	7.2	98	8.0	4.0	5.0	1.7	--	3.0	2.0	--	.0	--		56	0.0	
1500	5050		93	10.0C			.40	.33	.22	.04		.06	.06		5AF	--				
							40	33	22	4										S
12/04/84	5050		10.6	45.5F	7.3	110	9.0	5.0	4.0	1.1	--	5.0	1.0	--	.0	--		43	0.0	
1530	5050		95	7.5C			.45	.41	.17	.03		.10	.03		6AF	--				
							42	39	16	3										S
01/07/85	5050		11.9	44.6F	7.5	122	11	6.0	4.0	1.2	--	4.0	2.0	--	.0	--		52	0.0	
1400	5050		108	7.0C	8.0		.55	.49	.17	.03		.08	.06		9AF	--				
							44	40	14	2										S
02/04/85	5050		11.8	44.6F	7.2	118	9.0	5.0	4.0	1.1	--	6.0	2.0	--	.1	--		43	0.0	
1330	5050		105	7.0C			.45	.41	.17	.03		.12	.06		1AF	--				
							42	39	16	3										S
03/07/85	5050		11.6	44.6F	7.3	104	9.0	5.0	4.0	--	--	3.0	1.0	--	.0	--		43	0.0	
1333	5050		103	7.0C			.45	.41	.17			.06	.03		1AF	--				
							44	40	17											S
04/01/85	5050		10.0	57.2F	7.6	117	13	7.0	5.0	--	--	5.0	2.0	--	.1	--		62	0.0	
1400	5050		105	14.0C			.65	.58	.22			.10	.06		2AF	--				
							45	40	15											S
06/04/85	5050		9.6	[illegible]	7.6	105	7.0	5.0	4.0	--	--	3.0	9.0	--	.1	--		38	0.0	
1245	5050		100	17.0C			.35	.41	.39			.06	.25		1AF	--				
							30	36	34											S
07/09/85	5050		8.1	73.4F	7.7	88	5.0	3.0	4.0	--	--	2.0	1.0	--	.1	--		23	0.0	
1230	5050		101	23.0C			.25	.25	.17			.04	.03		2AF	--				
							37	37	25											S
08/06/85	5050		8.7	68.9F	7.5	82	5.0	3.0	4.0	--	--	2.0	1.0	--	.1	--		25	0.0	
1130	5050		104	20.5C			.25	.25	.17			.04	.03		1AF	--				
							37	37	25											S
09/03/85	5050		8.6	68.0F	7.4	73	4.0	2.0	4.0	--	--	3.0	2.0	--	.9	--		18	0.0	
1320	5050		102	20.0C			.20	.16	.17			.06	.06		1AF	--				
							36	30	32											S
09/30/85	5050		9.9	61.7F	7.6	80	6.0	3.0	5.0	--	--	2.0	1.0	--	.0	--		28	0.0	
1230	5050		109	16.5C			.30	.25	.22			.04	.03		1AF	--				
							39	32	29											S
	AQ	1250.00			PUTAN C NR WINTERS							A0280								
04/08/85	5050	5.66	10.4	53 F	8.0	320	19	27	11	--	148	--	5.0	--	--	--	183	159	0.4	
0950	5050		96	12 C	8.2	337	.95	2.22	.48		2.96		.14		2A	--		11	0.7	
							26	61	13											
09/25/85	5050	6.78	7.9	55.9F	8.1	343	16	27	11	1.3	150	21	6.0	.6	.2	--	186	156	0.4	
1030	5050		76	13.3C	8.6	328	.90	2.22	.48	.03	3.00	.44	.17	.01		--	179	6	0.7	
							25	61	13	1	63	12	5	0						
	AQ	1175.01			COSUMNES R A DILLARD RD							A0342								
10/04/84	5050		9.0	69.8F	7.4	90	--	--	4.0	--	--	--	2.0	--	--	--				
1025	5050		101	21.0C		90			.17				.06		2A	--				
																				S
11/08/84	5050		10.2	56.8F	7.2	60	--	--	4.0	--	--	--	2.0	--	--	--				X
1015	5050		98	13.8C		82			.17				.06		12A	--				
																				S
12/05/84	5050		11.3	50.9F	7.3	135	--	--	5.0	--	--	--	4.0	--	--	--				
1040	5050		101	10.5C		129			.22				.11		2A	--				
	AQ	2105.20			MOKELUMNE R A LOWER SACTO.RD							A0380								
10/04/84	5050		9.4	63.5F	7.2	45	--	--	2.0	--	--	--	1.0	--	--	--				
0915	5050		96	17.5C		44			.09				.03		2A	--				
																				S
11/08/84	5050		9.6	60.8F	7.0	42	--	--	2.0	--	--	--	1.0	--	--	--				
0920	5050		97	16.0C		45			.09				.03		7A	--				
																				S
12/05/84	5050		10.9	53.6F	7.2	60	--	--	2.0	--	--	--	2.0	--	--	--				X
0945	5050		101	12.0C		46			.09				.06		4A	--				
	AQ	2590.00			CALAVERAS R NR JENNY LIND							A03C0								
04/18/85	2163		11.4	51.5F	8.0	183	--	--	--	--	--	--	--	--	--	--	117			
1015	5050		103	10.8C											2A	--				
																				S
	AQ	7020.00			SAN JOAQUIN R NR VERNALIS							A0100								
10/25/84	5050		7.9	59.9F	7.4	350	--	--	35	--	--	--	41	--	--	--				
0810	5050		79	15.5C		379			1.70				1.16		15A	--				
																				S
11/29/84	5050		9.2	52.7F	7.1	380	--	--	43	--	--	--	44	--	--	--				
0940	5050		84	11.5C		400			1.87				1.24		10A	--				
																				S
12/12/84	5050		9.2	51.8F	7.3	380	--	--	34	--	--	--	32	--	--	--				
0830	5050		83	11.0C		324			1.48				.90		5A	--				
																				S
01/30/85	5050		10.5	46.4F	7.4	480	22	11	54	--	--	--	55	--	--	--		100	0.0	
0750	5050		88	8.0C		483	1.10	.90	2.35				1.55		1A	--				
							25	21	54											S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	F.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TURB	SIO2	SUM	TDS NCM	TH ASAR	SAR	REM
RO 7020.00 SAN JOAQUIN R NR VERNALIS																					
02/22/85	5050		4.4	54 F	7.4	485	--	--	75	--	--	--	69	--	--	--					
1310	5050		59	12 C		598			3.26				1.95		104	--					S
02/27/85	5050		9.8	54.5F	7.4	590	30	15	70	2.6	79	95	73	7.7	.4	--	352	137	2.6		
0815	5050		9C	12.9C	8.0	629	1.50	1.23	3.05	.07	1.56	1.98	2.06	.12	94	--	340	59	3.9		
							26	21	52	1	27	35	36	2							
03/27/85	5050		9.0	53.6F	7.4	790	--	--	92	--	--	--	97	--	--	--					
0845	5050		83	12.0C		801			4.00				2.74		174	--					S
R1 1150.00 COSUMNES R A MICHIGAN BAR																					
10/23/84	2163	2.43	9.1	57 F	7.1	75	--	--	--	--	--	--	--	--	--	--	54				
0950	5050		88	14 C											24	--					
04/25/85	5050		10.1	54.5F	7.5	60	6.0	3.0	3.0	--	26	--	1.0	--	--	--	54	28	0.2	E	
1330	5050		95	12.9C	7.4	61	.30	.25	.13		.52		.03		14	--		2	0.1		
							44	37	15												
08/15/85	2163	1.73	5.5	83.7F	6.9	150	--	--	--	--	--	--	--	--	--	--	146				
1400	5050		71	28.7C											34	--					
09/26/85	5050	1.93	7.1	70.9F	7.9	95	7.0	5.0	5.0	1.2	45	4.0	2.0	.1	.0	--	62	38	0.4	E	
0840	5050		80	21.6C	8.1	85	.35	.41	.22	.03	.90	.08	.06	.00	14	--	51	0	0.3	C	
							35	41	22	3	87	8	6	0							
A1 2100.00 COSUMNES R NF NR EL DORADO																					
04/25/85	5050		7.0	54 F	7.4	48	5.0	2.0	3.0	--	20	--	1.0	--	--	--	46	20	0.3	E	
1230	5050		67	12 C	7.4	50	.25	.16	.13		.40		.03		14	--		1	0.1		
							46	30	24												
09/20/85	5050		8.2	64.6F	7.6	79	6.0	2.0	3.0	1.0	27	2.0	1.0	.0	.0	--	52	23	0.3	E	
1130	5050		89	18.2C	8.0	68	.30	.16	.13	.03	.54	.04	.03	.00		--	31	0	0.1	T	
							48	26	21	5	89	7	5	0							
A1 3150.00 COSUMNES R NF NR SOMERSET																					
04/25/85	5050		10.3	46.5F	7.3	40	3.0	1.0	2.0	--	16	--	1.0	--	--	--	36	12	0.3	E	
0910	5050		92	8.0C	7.4	34	.15	.08	.09		.32		.03		14	--		0	0.0		
							47	24	28												
09/20/85	5050		8.2	58.6F	7.4	69	6.0	2.0	3.0	1.1	29	2.0	1.0	.0	.0	--	49	23	0.3	E	
0915	5050		86	14.8C	8.0	61	.30	.16	.13	.03	.58	.04	.03	.00		--	32	0	0.1	T	
							48	26	21	5	89	6	5	0							
B1 4110.01 COSUMNES R SF A R PINES																					
04/25/85	5050		10.4	48 F	7.6	103	12	5.0	6.0	--	46	--	2.0	--	--	--	81	50	0.4	E	
0950	5050		96	9 C	7.3	106	.60	.41	.26		.92		.06		34	--		5	0.3		
							47	32	20												
09/20/85	5050		7.4	58.3F	7.4	150	13	6.0	5.0	1.5	60	6.0	4.0	.0	.0	--	97	47	0.3		
0950	5050		77	14.6C	8.3	149	.65	.49	.22	.04	1.20	.12	.11	.00		--	71	0	0.3	T	
							46	35	16	3	84	8	8	0							
B2 1375.00 MOKELUMNE R NR MOKELUMNE HILL																					
04/25/85	5050		10.6	54.5F	7.3	38	4.0	1.0	3.0	--	13	--	1.0	--	--	--	38	14	0.3	E	
1100	5050		101	12.5C	7.5	34	.20	.08	.13		.26		.03		14	--		1	0.0		
							49	20	32												
09/20/85	5050		9.2	61.9F	7.6	32	2.0	1.0	1.0	.5	12	1.0	1.0	.0	.0	--	23	9	0.1	EV	
1040	5050		96	16.6C	7.9	25	.10	.08	.04	.01	.24	.02	.03	.00		--	14	0	0.0	T	
							43	35	17	4	83	7	10	0							
B8 X R02.2 155.6 MALLARD SL A PP																					
02/13/85	5050		11.9	52.7F	7.7	695	--	--	96	--	--	--	155	--	--	--					
0750	5050		109	11.5C		749			4.18				4.37		124	--					S
03/13/85	5050		13.5	57.2F	8.4	2100	--	--	320	--	--	--	558	--	--	--					
0815	5050		130	14.0C		2160			13.92				15.74		104	--					S
A9 C 749.0 133.6 DELTA MENDOTA CA A LINDEMAN RD																					
10/25/84	5050		9.8	60.8F	7.8	260	--	--	25	--	--	--	26	--	--	--					
1000	5050		99	16.0C		268			1.09				.73		94	--					S
11/29/84	5050		10.2	51.8F	7.4	320	--	--	32	--	--	--	34	--	--	--					
1215	5050		92	11.0C		321			1.39				.96		94	--					S
12/12/84	5050		9.3	52.7F	7.2	310	--	--	31	--	--	--	32	--	--	--					
1015	5050		85	11.5C		315			1.35				.90		194	--					S
01/30/85	5050		10.6	45.5F	7.3	380	21	11	38	--	--	--	44	--	--	--		98	0.0		
0850	5050		98	7.5C		398	1.05	.90	1.65				1.24		14	--					S
							29	25	46												
02/27/85	5050		9.9	55.4F	7.5	325	--	--	31	--	--	--	34	--	--	--					
1015	5050		94	13.0C	7.4	338			1.35				.96		114	--					S
03/27/85	5050		9.8	53.8F	7.4	320	--	--	29	--	--	--	31	--	--	--					
0945	5050		91	12.0C		314			1.28				.87		94	--					S
A9 D 748.3 126.9 OLD R A TRACY RD RR																					
10/22/84	5050			58 F		238	14	6.0	28	--	--	--	25	--	--	--	135	60	0.0		
0845	5050			14 C		251	.70	.49	1.04				.71			--					
							31	22	47												
11/13/84	5050			57 F		580	27	13	59	--	--	--	72	--	--	--	309	121	0.0		
1030	5050			14 C		568	1.35	1.07	2.57				2.03			--					
							27	21	52												
12/17/84	5050			50 F		369	14	7.0	14	--	--	--	14	--	--	--	124	64	0.0	X	
1230	5050			10 C		203	.70	.58	.61				.39			--					
							37	31	32												

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS SIO2	TH SUM	SAR NCH	RSC ASAR
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER				MILLIGRAMS PER LITER					
89 0 748.3 126.9 OLD R A TRACY RD RR															80100 CONTINUED					
01/17/65	5050			46 F		775	36	10	85	--	--	--	105	--	--	--	446	168	0.0	
1000	5050			8 C		783	1.80	1.36	3.70				2.96			--				
							25	22	52											
02/21/85	5050			55 F		800	42	21	102	--	--	--	113	--	--	--	519	192	0.0	
1145	5050			13 C		873	2.10	1.73	4.44				3.19			--				
							25	21	54											
04/16/85	5050			68 F		939	38	24	104	--	--	--	113	--	--	--	480	194	0.0	
1030	5050			20 C		801	1.90	1.97	4.52				3.19			--				
							23	23	54											
05/16/85	5050			69 F		830	40	20	82	--	--	--	99	--	--	--	487	182	0.0	
1015	5050			21 C		767	2.00	1.64	3.57				2.79			--				
							26	23	50											
06/19/85	5050			78.1F		693	44	22	93	--	--	--	117	--	--	--	522	201	0.0	
0930	5050			25.6C		886	2.20	1.81	4.05				3.30			--				
							27	22	50											
89 0 751.9 119.3 SAN JOAQUIN R A BRANDT RR												80100								
10/22/84	5050			57 F		258	14	6.0	25	--	--	--	27	--	--	--	146	60	0.0	
0800	5050			14 C		268	.70	.49	1.09				.76			--				
							31	21	48											
11/13/84	5050			52 F		468	29	14	62	--	--	--	69	--	--	--	315	130	0.0	
0945	5050			11 C		550	1.45	1.15	2.70				1.95			--				
							27	22	51											
12/13/84	5050			50 F		339	18	8.0	39	--	--	--	40	--	--	--	205	78	0.0	
0945	5050			10 C		362	.90	.66	1.70				1.13			--				
							28	20	52											
01/17/85	5050			46 F		504	22	12	54	--	--	--	56	--	--	--	276	105	0.0	
0915	5050			8 C		488	1.10	.99	2.35				1.58			--				
							25	22	53											
02/21/85	5050			53 F		873	42	21	102	--	--	--	112	--	--	--	529	192	0.0	
1045	5050			12 C		863	2.10	1.73	4.44				3.16			--				
							25	21	54											
03/15/85	5050	3.33		55 F		653	33	16	74	--	--	--	76	--	--	--	403	149	0.0	
1000	5050			13 C		696	1.65	1.32	3.22				2.14			--				
							27	21	52											
04/16/85	5050	4.25		69 F		816	42	20	94	--	--	--	97	--	--	--	467	187	0.0	
0945	5050			21 C		776	2.10	1.64	4.09				2.74			--				
							27	21	52											
05/16/85	5050			69 F		709	36	18	75	--	--	--	87	--	--	--	426	164	0.0	
0945	5050			21 C		692	1.80	1.48	3.26				2.45			--				
							28	23	50											
06/19/85	5050			80.8F		736	36	18	76	--	--	--	95	--	--	--	435	164	0.0	
0845	5050			27.1C		730	1.80	1.48	3.30				2.68			--				
							27	22	51											
89 0 753.5 129.3 MIDDLE R A BORDEN HWY												80100								
02/06/85	5050		11.2	43.7F	7.3	390	--	--	38	--	--	--	43	--	--	--				S
0830	5050		91	6.5C		591			1.65				1.21		134	--				
03/06/85	5050		10.0	50.0F	7.4	290	--	--	31	--	--	--	34	--	--	--				S
0800	5050		88	10.0C		339			1.35				.96		124	--				
89 0 755.1 137.4 CONTRA COSTA-EAST IO PUMPING PL-1												80100								
10/22/84	5050			60 F		395	16	12	41	--	--	--	43	--	--	--	199	90	0.0	
0930	5050			16 C		406	.80	.99	1.78				1.21			--				
							22	28	50											
04/16/85	5050			68.4F		355	19	12	36	--	--	--	39	--	--	--	217	97	0.0	
1115	5050			20.2C		379	.95	.99	1.57				1.10			--				
							27	28	45											
05/16/85	5050			72.1F		330	15	11	34	--	--	--	40	--	--	--	190	82	0.0	
1100	5050			22.3C		343	.75	.90	1.48				1.13			--				
							24	29	47											
06/19/85	5050			76.6F		350	14	10	36	--	--	--	41	--	--	--	178	76	0.0	
1015	5050			24.8C		332	.70	.82	1.57				1.16			--				
							23	27	51											
89 0 756.2 131.7 MIDDLE R A MOKELUMNE AQU												80100								
11/13/84	5050			57 F		239	14	7.0	20	--	--	--	21	--	--	--	124	64	0.0	
1245	5050			14 C		223	.70	.58	.67				.59			--				
							33	27	40											
12/17/84	5050			50 F		370	19	9.0	35	--	--	--	41	--	--	--	210	84	0.0	
1330	5050			10 C		369	.95	.74	1.52				1.16			--				
							30	23	47											
01/17/85	5050			45 F		406	23	11	37	--	--	--	49	--	--	--	244	103	0.0	
1130	5050			7 C		414	1.15	.90	1.61				1.39			--				
							31	25	44											
02/21/85	5050			52 F		360	19	11	33	--	--	--	38	--	--	--	216	92	0.0	
1300	5050			11 C		356	.95	.90	1.44				1.07			--				
							29	27	44											
03/15/85	5050			57 F		393	21	11	37	--	--	--	42	--	--	--	233	98	0.0	
1215	5050			14 C		391	1.05	.90	1.61				1.18			--				
							29	25	45											

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B	F TURB	SIO2	TDS SUM	TH NCN	SAR ASAR	REM
RO D 754.2 131.7 MIDDLE R A MOKELUMNE ADU												RC100 CONTINUED									
04/16/45	5050			67.6F		335	19	10	32	--	--	--	35	--	--	--	201	88	0.0	
1300	5050			19.8C		351	.95	.82	1.39				.99			--				
							30	26	44											
06/20/45	5050			76.3F		260	15	8.0	27	--	--	--	28	--	--	--	217	70	0.0	E
1200	5050			24.6C	8.3	276	.75	.66	1.17				.79			--				
							29	26	45											
RO D 758.1 134.3 OLD R NR ROCK SLU AB RANCHO DEL RIO												RO100									
11/13/84	5050			58 F			11	6.0	14	--	--	--	14	--	--	--	104	52	0.0	
1230	5050			14 C		177	.55	.49	.61				.39			--				
							33	30	37											
01/22/85	5050			43 F		259	16	9.0	22	--	--	--	23	--	--	--	161	77	0.0	
1030	5050			6 C		264	.80	.74	.96				.65			--				
							32	30	38											
02/21/85	5050			53.0F		266	16	10	22	--	--	--	23	--	--	--	168	81	0.0	
1250	5050			11.7C		271	.80	.82	.96				.65			--				
							31	32	37											
03/15/85	5050			57 F		259	15	9.0	22	--	--	--	25	--	--	--	163	74	0.0	
1210	5050			14 C		266	.75	.74	.96				.71			--				
							31	30	39											
04/16/85	5050			67 F		220	17	10	22	--	--	--	18	--	--	--	143	84	0.0	
1240	5050			19 C		240	.85	.82	.96				.51			--				
							32	31	37											
05/16/85	5050			72.5F		240	13	8.0	22	--	--	--	26	--	--	--	132	66	0.0	
	5050			22.5C		241	.65	.66	.96				.73			--				
							29	29	42											
06/20/85	5050			71.6F		300	12	9.0	32	--	--	--	40	--	--	--	164	67	0.0	
0900	5050			22.0C		302	.60	.74	1.39				1.33			--				
							22	27	51											
RO D 758.4 134.8 ROCK SL A OLD RIVER												RO100									
10/25/84	5050		10.9	62.4F	8.0	200	--	--	16	--	--	--	15	--	--	--				
1130	5050		112	17.0C		194			.70				.42		8A	--				S
11/29/84	5050		10.5	53.6F	7.4	190	--	--	18	--	--	--	13	--	--	--				
1330	5050		97	12.0C		186			.61				.37		13A	--				S
12/12/84	5050		9.7	51.8F	7.3	200	--	--	14	--	--	--	13	--	--	--				
1145	5050		88	11.0C		195			.61				.37		11A	--				S
01/30/85	5050		10.8	46.4F	7.2	280	18	10	22	--	--	--	24	--	--	--		86	0.0	
1015	5050		91	8.0C		284	.90	.82	.96				.68		1A	--				
							34	31	36											S
02/27/85	5050		10.3	57.2F	7.5	260	--	--	21	--	--	--	21	--	--	--				
1145	5050		100	14.0C	7.6	258			.91				.59		6A	--				S
03/27/85	5050		10.1	53.6F	7.4	260	--	--	24	--	--	--	25	--	--	--				
1115	5050		93	12.0C		269			1.04				.71		6A	--				S
RO D 758.6 138.4 CONTRA COSTA CA A ROCK SLU												RO100									
01/18/85	5050			45 F		320	17	10	28	--	--	--	31	--	--	--	190	84	0.0	
1115	5050			7 C		325	.85	.82	1.22				.87			--				
							29	28	42											
04/18/85	5050			66.0F		276	16	10	25	--	--	--	26	--	--	--	166	81	0.0	
1230	5050			18.9C		287	.80	.82	1.09				.73			--				
							30	30	40											
RO D 801.9 143.2 SAN JOAQUIN R A BLIND POINT												RO100									
01/08/85	5050			43 F		230	--	--	--	--	--	--	19	--	--	--	137			
1030	5050			6 C		229							.54			--				
04/03/85	5050			55 F		290	--	--	--	--	--	--	35	--	--	--	167			
1015	5050			13 C		296							.99			--				
04/17/85	5050			64.0F		286	--	--	--	--	--	--	33	--	--	--	158			
1315	5050			17.8C		287							.93			--				
06/05/85	5050			67.1F		582	--	--	--	--	--	--	115	--	--	--	291			
1000	5050			19.5C		566							3.24			--				
RO D 802.0 137.2 PIPER SLU A RETHEL TRACT												RC100									
01/18/85	5050			45 F		202	15	8.0	16	--	--	--	16	--	--	--	136	70	0.0	
1215	5050			7 C		223	.75	.66	.70				.45			--				
							36	31	33											
RO D 803.6 127.8 MONKER CUT A ATHERTON RD RR												AC100									
10/04/84	5050		8.6	65.3F	7.3	130	--	--	7.6	--	--	--	5.0	--	--	--				
0740	5050		93	18.5C		120			.30				.14		9A	--				S
12/05/84	5050		9.8	50.9F	7.2	200	--	--	12	--	--	--	15	--	--	--				
0850	5050		88	10.5C		184			.52				.42		13A	--				S

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	OD SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F STO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR ASAR	REM
RQ D R03.6 130.0 LITTLE CONNECTION EMPIRE ATWERTON												R0100								
02/06/85	5050		11.2	44.6F	7.4	265	--	--	2C	--	--	--	22	--	--	--				
0845	5050		92	7.0C		252			.87				.62		54	--				S
03/06/85	5050		10.0	51.8F	7.4	215	--	--	14	--	--	--	18	--	--	--				
0915	5050		90	11.0C		218			.61				.51		74	--				S
RQ D 813.4 130.3 MOKELUMNE R,NORTH BL SNOOGRASS SL												R0100								
10/22/84	5050		57	F		142	11	6.0	1C	--	--	--	6.0	--	--	--	90	52	0.0	
1045	5050		14	C		141	.55	.49	.44				.17			--				
							37	33	3C											
03/19/85	5050		55	F		182	13	7.0	13	--	--	--	8.0	--	--	--	112	62	0.0	
1000	5050		13	C		182	.65	.58	.48				.23			--				
							38	34	28											
04/17/85	5050		65	F		160	14	7.0	11	--	--	--	7.0	--	--	--	93	64	0.0	
1015	5050		18	C		162	.70	.58	.48				.20			--				
							40	33	27											
06/21/85	5050		71.2F			136	9.0	5.0	8.C	--	--	--	5.C	--	--	--	78	43	0.0	
0944	5050		21.8C			119	.45	.41	.35				.14			--				
							37	34	29											
RQ D 814.4 131.0 SACRAMENTO R A WALNUT GROVE												R0100								
11/20/84	5050		60	F		140	31	6.0	1C	--	--	--	9.0	--	--	--	97	52	0.0	
1100	5050		16	C		148	.55	.49	.44				.25			--				
							37	33	3C											
12/18/84	5050		49.1F			148	13	6.0	13	--	--	--	7.C	--	--	--	112	57	0.0	F
1030	5050		9.5C			150	.65	.49	.57				.20			--				
							38	29	33											
01/22/85	5050		43	F		206	14	8.0	14	--	--	--	10	--	--	--	122	68	0.0	
1200	5050		6	C		205	.70	.66	.61				.28			--				
							36	34	31											
03/19/85	5050		55	F		183	14	8.0	13	--	--	--	9.0	--	--	--	122	68	0.0	
1030	5050		13	C		184	.70	.66	.57				.25			--				
							36	34	3C											
04/17/85	5050		66	F		176	14	7.0	12	--	--	--	8.0	--	--	--	99	64	0.0	
1100	5050		19	C		172	.70	.58	.52				.23			--				
							39	32	2C											
06/03/85	5050		64.2F			182	12	7.0	13	--	--	--	7.0	--	--	--	111	59	0.0	
0930	5050		17.9C			168	.60	.58	.57				.20			--				
							34	33	33											
06/21/85	5050		71.6F			143	33	7.0	17	--	--	--	16	--	--	--	80	62	0.0	
1045	5050		22.0C			126	.65	.58	.74				.45			--				
							33	29	38											
RQ D 814.5 148.2 CALHOUN CUT TRIB HWY 113-CREED RD												R0100								
11/28/84	5050		8.0	55.4F	7.3	260	5.0	4.0	4S	--	60	--	26	--	--	--	177	29	4.0	
1030	5050		76	13.0C	8.4	281	.25	.33	2.13		1.20		.73		7404	--		0	3.0	
							9	12	7S											
RQ D 814.6 139.5 MINER SLU A RYDE ISL SCH HWY												R0100								
10/24/84	5050		9.5	59	F 7.6	146	11	6.0	1C	--	52	--	6.0	--	--	--	94	52	0.6	
1215	5050		94	15	C 7.2	150	.55	.49	.44		1.04		.17		28	19.0		0	0.8	
							37	33	3C											
01/25/85	5050		10.6	45	F 7.4	204	16	10	17	--	76	--	12	--	--	--		81	0.8	
1330	5050		88	7	C 8.0	240	.80	.82	.74		1.52		.34		58	19.0		9	1.1	S
							34	35	31											
04/11/85	5050		9.0	63	F 7.6	187	15	9.0	14	--	65	--	10	--	--	--	116	74	0.7	
0900	5050		93	17	C 8.1	196	.75	.74	.61		1.30		.28		74	17.0		10	0.9	
							36	35	29											
07/29/85	5080		7.7	70.7F	7.6	165	11	7.0	11	--	61	--	5.0	--	--	--	134	56	0.6	F
1230	5050		87	21.5C	8.4	152	.55	.58	.48		1.22		.14		94	17.0		0	0.7	
							34	36	3C											
RQ D 815.0 136.0 STEAMBOAT SLU BL SUTTER SLU												R0100								
10/22/84	5050		58	F		140	10	6.0	8.C	--	--	--	5.0	--	--	--	89	50	0.0	
1230	5050		14	C		142	.50	.49	.35				.14			--				
							37	37	2E											
11/20/84	5050		52	F		143	10	5.0	9.C	--	--	--	8.0	--	--	--	93	46	0.0	
1015	5050		11	C		144	.50	.41	.39				.23			--				
							38	32	3C											
12/18/84	5050		48	F		148	12	6.0	8.C	--	--	--	6.0	--	--	--	92	44	0.0	
1100	5050		9	C		149	.60	.49	.35				.17			--				
							42	34	24											
01/22/85	5050		43	F		212	14	8.0	14	--	--	--	10	--	--	--	123	68	0.0	
1230	5050		6	C		205	.70	.66	.61				.28			--				
							36	34	31											
04/17/85	5050		66	F		165	14	8.0	12	--	--	--	7.0	--	--	--	106	68	0.0	
1145	5050		19	C		176	.70	.66	.52				.20			--				
							37	35	28											
06/03/85	5050		64.9F			184	12	7.0	12	--	--	--	6.0	--	--	--	106	59	0.0	
0900	5050		16.3C			171	.60	.58	.52				.17			--				
							35	34	31											
06/21/85	5050		73.0F			137	9.0	5.0	8.C	--	--	--	5.0	--	--	--	76	43	0.0	
1100	5050		22.8C			123	.45	.41	.35				.14			--				
							37	34	29											

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD	LABORATORY PH	EC	MINERAL CONSTITUENTS IN	CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH MCH	SAR ASAR	REM
RO D R15.8 146.2 LINDSAY SLU A HASTINGS CUT														4C100								
10/11/84	5050		8.0	67.1F	7.8	360	--	--	32	--	--		--		21	--	--	--				
0950	5050		87	19.5C		363			1.39						.59		28A	--				S
10/24/84	5050		8.8	54 F	7.4	402	20	21	35	--	143		--		24	--	--	--	239	137	1.3	
0945	5050		84	14 C	7.6	414	1.00	1.73	1.52		2.86				.68		29A	18.0		0	2.3	
							24	41	36													
11/15/84	5050		8.6	54.5F	7.5	360	--	--	31	--	--		--		23	--	--	--				
1045	5050		80	12.5C		353			1.35						.65		28A	--				S
11/16/84	5050		8.0	54 F	7.6	360	18	17	30	--	117		--		22	--	--	--	205	115	1.2	
1200	5050		82	12 C	8.5	345	.90	1.40	1.31		2.34				.62		22A	12.0		0	2.0	
							25	39	36													
12/05/84	5050		7.8	50.9F	7.4	440	18	19	44	--	127		--		33	--	--	--	265	123	1.7	
1044	5050		70	10.5C	7.8	428	.90	1.56	1.91		2.54				.93		36A	13.0		0	2.9	
							21	36	44													
12/06/84	5050		8.3	51.8F	7.3	450	--	--	44	--	--		--		34	--	--	--				
1050	5050		75	11.0C		441			1.91						.96		37A	--				S
01/25/85	5050		9.2	43 F	7.4	542	24	25	56	--	153	50	46	--	.4	.2			324	163	1.9	
1045	5050		74	8 C	8.2	558	1.20	2.06	2.44		3.06	1.04	1.30		12A	14.0			307	10	3.6	
							21	36	43													
02/13/85	5050		6.7	50.9F	7.3	360	--	--	43	--	--		--		35	--	--	--				
1140	5050		80	10.5C		301			1.87						.99		110A	--				S
02/22/85	5050		8.6	52 F	7.4	435	19	19	57	--	110	40	39	--	.3	.2			264	126	2.2	
1030	5050		78	11 C	7.9	445	.95	1.56	2.48		2.20	.83	1.10		65A	7.9			248	16	3.6	
							19	31	50													
03/13/85	5050		9.1	54.5F	7.6	495	--	--	51	--	--		--		41	--	--	--				
1145	5050		85	12.5C		482			2.22						1.16		80A	--				S
03/27/85	5050		6.2	50 F	8.0	489	21	22	54	--	130		--		43	--	--	--	292	143	2.0	
1200	5050		55	10 C	8.0	508	1.05	1.81	2.35		2.60				1.21		35A	11.0		13	3.5	
							20	35	45													
04/11/85	5050		9.5	66 F	8.0	510	23	23	56	--	135		--		44	--	--	--	305	152	2.0	
1130	5050		102	19 C	8.3	531	1.15	1.89	2.44		2.70				1.24		19A	12.0		17	3.5	
							21	34	45													
05/17/85	5050		8.1	86 F	8.0	588	25	27	57	--	161		--		50	--	--	--	349	174	1.9	
0930	5050		87	19 C	7.3	582	1.25	2.22	2.48		3.26				1.41		55A	13.0		11	3.6	
							21	37	42													
07/29/85	5050		7.6	68.5F	8.0	377	17	17	34	--	109		--		26	--	--	--	252	113	1.4	
1010	5050		83	20.3C	7.3	381	.85	1.40	1.48		2.18				.79		76A	17.0		4	2.2	
							23	38	40													
08/15/85	5050		6.4	66.0F	8.0	363	17	15	30	--	104	28	25	--	.2	.1			211	104	1.3	
0745	5050		68	18.0C	8.5	363	.85	1.23	1.31		2.08	.58	.71		31A	18.0			196	0	3.0	
							25	38	39													
09/12/85	5050		4.8	64.4F	7.7	540	22	23	48	--	139		--		44	--	--	--	300	150	1.7	
1130	5050		50	18.0C	8.4	514	1.10	1.89	2.09		2.78				1.24		29A	18.0		11	3.1	
							22	37	41													
RO D R17.8 144.8 CACHE SLU A VALLEJO PUPL														40100								
10/11/84	5050		7.8	67.1F	8.2	550	--	--	44	--	--		--		42	--	--	--				
0930	5050		84	19.5C		594			1.91						1.18		29A	--				S
10/24/84	5050		8.2	58 F	7.8	778	40	39	64	--	200		--		76	--	--	--	466	261	1.7	
0930	5050		80	14 C	7.6	799	2.00	3.21	2.78		4.00				2.14		12A	23.0		61	3.7	
							25	40	35													
11/15/84	5050		7.7	54.5F	7.4	520	--	--	38	--	--		--		38	--	--	--				
1000	5050		72	12.5C		460			1.65						1.07		95A	--				S
11/16/84	5050		7.8	54 F	7.6	500	26	22	40	--	117		--		41	--	--	--	290	156	1.4	
1100	5050		73	12 C	8.5	478	1.30	1.81	1.74		2.34				1.16		93A	12.0		39	2.4	
							27	37	36													
12/05/84	5050		6.6	50.9F	7.6	640	36	26	52	--	155		--		50	--	--	--	380	197	1.6	
1000	5050		77	10.5C	7.8	606	1.80	2.14	2.26		3.10				1.41		35A	18.0		42	3.2	
							29	35	36													
12/06/84	5050		8.8	50.9F	7.9	715	--	--	64	--	--		--		68	--	--	--				
0850	5050		79	10.5C		744			2.78						1.80		90A	--				S
01/25/85	5050		10.8	45 F	8.4	1001	59	43	100	--	244		--		99	--	--	--		324	2.4	
1200	5050		80	7 C	8.3	1020	2.94	3.54	4.35		4.88				2.79		10A	24.0		80	5.6	
							27	33	40													S
03/27/85	5050		9.5	50 F	7.6	257	17	8.0	23	--	68		--		15	--	--	--	170	76	1.1	
1030	5050		84	10 C	7.7	274	.85	.66	1.00		1.36				.42		240A	8.1		8	3.4	
							34	26	40													
04/11/85	5050		9.5	66 F	8.4	1029	99	46	93	--	246		--		87	--	--	--	482	336	2.2	
1305	5050		102	19 C	8.5	939	2.94	3.78	4.05		4.92				2.45		16A	15.0		90	5.2	
							27	35	38													
05/17/85	5050		7.9	69 F	8.4	549	33	32	38	--	183		--		31	--	--	--	320	214	3.1	
1018	5050		84	18 C	7.8	543	1.65	2.63	1.57		3.66				.87		26A	16.0		31	2.2	
							28	45	27													
07/29/85	5050		8.0	67.1F	8.2	584	32	33	35	--	180		--		40	--	--	--	393	216	1.2	
0910	5050		65	19.5C	7.0	588	1.60	2.71	1.70		3.60				1.13		52A	19.0		36	2.4	
							27	45	28													

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. Q	DO SAT	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TIPO4	STPO4	SIM	NCH	ASAP	REM
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER							
	BQ D 820.7 132.7				SACRAMENTO R A GREENS LDG							AC100								
10/04/84 0620	5050 5050		9.0 94	63.5F 17.5C	7.4	180 132	--	--	8.0 .35	--	--	--	4.0 .11	--	-- 74	-- --				
11/08/84 0820	5050 5050		9.7 94	57.2F 14.0C	7.3	160 154	--	--	16 .44	--	--	--	6.0 .17	--	-- 114	-- --				
12/05/84 0745	5050 5050		10.9 97	50.9F 10.5C	7.4	200 160	--	--	9.0 .35	--	--	--	6.0 .17	--	-- 24 A	-- --				
01/30/85 1145	9050 5050		11.9 103	49.2F 9.0C	7.4	190 186	13 .65 37	7.0 .58 33	12 .52 30	--	--	--	7.0 .20	--	-- 1A	-- --			62	0.0
02/06/85 1130	9050 9050		12.1 102	46.4F 8.0C	7.5	175 174	--	--	11 .48	--	--	--	6.0 .17	--	-- 9A	-- --				
03/06/85 1200	5050 5050		10.5 95	51.8F 11.0C	7.4	180 180	--	--	11 .48	--	--	--	7.0 .20	--	-- 1A	-- --				
	BQ R 804.8 123.6				DWR-RP 13 MID-WAY, SO OF WHITE SL							RG100								
10/23/84 1349	5050 0000	-3.75 1		62 F 17 C	8.5	1785	--	--	--	--	--	--	--	--	--	-- --				
12/20/84 1110	5050 0000	-2.39 1		48 F 9 C	8.4	1725	--	--	--	--	--	--	--	--	--	-- --				
02/21/85 1445	5050 0000	-3.10 1		51 F 11 C		1628	--	--	--	--	--	--	--	--	--	-- --				
05/02/85 1120	5050 0000	-3.21 1		68 F 20 C		1697	--	--	--	--	--	--	--	--	--	-- --				
06/05/85 1130	5050 0000	-2.86 1				1794	--	--	--	--	--	--	--	--	--	-- --				
07/02/85 0830	5050 0000	-3.19 1				1778	--	--	--	--	--	--	--	--	--	-- --				
08/01/85 1000	5050 0000	-2.89 1				1762	--	--	--	--	--	--	--	--	--	-- --				
	BQ R 805.4 123.9				DWR-RP 12 MID-WAY NO OF WHITE SL							RG100								
10/23/84 0925	5050 0000	-1.97 1		60 F 16 C	8.3	795	--	--	--	--	--	--	--	--	--	-- --				
12/20/84 1035	5050 0000	-0.98 1		47 F 8 C	7.9	835	--	--	--	--	--	--	--	--	--	-- --				
	BQ R 805.8 124.1				DWR-RP 11 N-END, TREDWAY RD, FARM							RG100								
10/23/84 1000	5050 0000	1.04 1		60 F 16 C	8.5	1780	--	--	--	--	--	--	--	--	--	-- --				
12/20/84 1425	5050 0000	2.10 1		50 F 10 C	8.8	1690	--	--	--	--	--	--	--	--	--	-- --				
	BQ R 806.4 124.4				DWR-RP 10 N-END, KINGDON RD, FARM							RG100								
10/23/84 1045	5050 0000	-0.06 1		61 F 16 C	8.6	1520	--	--	--	--	--	--	--	--	--	-- --				
12/18/84 1430	5050 0000	1.32 1		49 F 9 C	8.4	1495	--	--	--	--	--	--	--	--	--	-- --				
	BQ R 806.5 124.4				DWR-RP 09 S-END, KINGDON RD, FARM							RG100								
10/23/84 1040	5050 0000	-0.13 1		61 F 16 C	8.4	2165	--	--	--	--	--	--	--	--	--	-- --				
12/18/84 1440	5050 0000	1.25 1		49 F 9 C	8.4	2085	--	--	--	--	--	--	--	--	--	-- --				
	BQ R 807.5 124.7				DWR-RP 04 N-END, SARGENT RD, FARM							RC100								
10/24/84 1100	5050 0000	-1.78 1		61 F 16 C	8.3	1630	--	--	--	--	--	--	--	--	--	-- --				
12/18/84 1145	5050 0000	-0.65 1		47 F 8 C	8.3	1780	--	--	--	--	--	--	--	--	--	-- --				

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.A. O	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	BOR
AQ R R07.7 124.7						OWR-RP 07 S-END, SARGENT RD, FARM						A0100								
10/24/84 1110	5050 0000	0.13	1	61 16	F C	8.6	1630	--	--	--	--	--	--	--	--	--	-- --			
12/19/84 1200	5050 0000	1.77	1	48 9	F C	8.3	1580	--	--	--	--	--	--	--	--	--	-- --			
AQ R R09.6 125.9						OWR-RP 06 S-END, WOODBRIDGE RD						R0100								
10/24/84 1430	5050 0000	-3.94	1	65 18	F C	8.2	1340	--	--	--	--	--	--	--	--	--	-- --			
12/17/84 1035	5050 0000	-2.55	1	49 9	F C	8.0	1650	--	--	--	--	--	--	--	--	--	-- --			
AQ R R13.5 127.2						OWR-RP 05 N-END, WALNUT GROVE RD						R0100								
10/02/84 0930	5050 0000	-5.54	1	69 21	F C	8.9	1316	--	--	--	--	--	--	--	--	--	-- --			
12/13/84 1305	5050 0000	-4.96	1	52 11	F C	7.9	1316	--	--	--	--	--	--	--	--	--	-- --			
02/21/85 0930	5050 0000	-4.36	1				1209	--	--	--	--	--	--	--	--	--	-- --			
05/01/85 1215	5050 0000	-3.83	1				1298	--	--	--	--	--	--	--	--	--	-- --			
06/04/85 1145	5050 0000	-4.23	1				1396	--	--	--	--	--	--	--	--	--	-- --			
07/01/85 1215	5050 0000	-4.66	1				1304	--	--	--	--	--	--	--	--	--	-- --			
07/31/85 1230	5050 0000	-5.12	1				1308	--	--	--	--	--	--	--	--	--	-- --			
AQ R R16.6 127.9						OWR-RP 04 N-END, TWIN CITIES RD						A0100								
10/01/84 1345	5050 0000	-0.64	1	69 21	F C	8.3	264	--	--	--	--	--	--	--	--	--	-- --			
12/11/84 1520	5050 0000	0.64	1	53 12	F C	8.1	260	--	--	--	--	--	--	--	--	--	-- --			
02/20/85 1345	5050 0000	0.42	1				281	--	--	--	--	--	--	--	--	--	-- --			
04/24/85 0915	5050 0000	-0.12	1				266	--	--	--	--	--	--	--	--	--	-- --			
06/03/85 1200	5050 0000	-0.66	1				286	--	--	--	--	--	--	--	--	--	-- --			
07/01/85 1050	5050 0000	-0.22	1				297	--	--	--	--	--	--	--	--	--	-- --			
07/31/85 0945	5050 0000	0.22	1				292	--	--	--	--	--	--	--	--	--	-- --			
AQ R R16.7 125.0						OWR-RP 03 S-END, TWIN CITIES RD						A0100								
10/01/84 1410	5050 0000	-1.28	1	69 21	F C	8.9	744	--	--	--	--	--	--	--	--	--	-- --			
12/11/84 1600	5050 0000	-1.61	1	53 12	F C	8.3	726	--	--	--	--	--	--	--	--	--	-- --			
AQ R R17.0 128.3						OWR-RP 02 S-END, FARR RD						A0100								
10/01/84 1145	5050 0000	-5.30	1	73 23	F C	9.1	662	--	--	--	--	--	--	--	--	--	-- --			
12/07/84 1515	5050 0000	-5.31	1	57 14	F C	8.9	682	--	--	--	--	--	--	--	--	--	-- --			
AQ R R18.4 129.3						OWR-RP 01 N-END, DIERSSEN-FARR RD						A0100								
10/01/84 0945	5050 0000	-4.00	1	69 21	F C	8.7	957	--	--	--	--	--	--	--	--	--	-- --			
12/07/84 1230	5050 0000	-3.88	1	53 12	F C	8.3	928	--	--	--	--	--	--	--	--	--	-- --			

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.M. D	DO SAT	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	T/P4	SIO2	B	F	TDS SUM	TH NCH	SAR ASAP	REP
RO V 803.6 129.9 AG-OR W-ED EMPIRE T 5-51 ATWERTON																						
02/06/85 0905	5050 5050		9.8 7.9	42.8F 6.0C	7.3	2500 2610	--	--	252 10.96	--	--	--	885 19.32	--	-- 264	-- --						5
03/06/85 0945	5050 5050		7.6 6.8	50.9F 10.5C	7.3	2200 2330	--	--	226 9.83	--	--	--	597 16.94	--	-- 144	-- --						5
RO V 807.9 134.7 AGRI-OR TYLER IS AT VORMANS LNDG																						
03/27/85 1245	5050 5050		7.8 7.1	52.7F 11.5C	6.8	740 743	--	--	46 2.0C	--	--	--	54 2.37	--	-- 294	-- --						5
RO V 813.2 135.7 AGRI-OR GRAND IS NR WALKER LNDG																						
02/06/85 1030	5050 5050		7.5 6.9	52.7F 11.5C	7.1	550 576	--	--	43 1.87	--	--	--	35 .99	--	-- 344	-- --						5
03/06/85 1100	5050 5050		5.3 5.0	54.5F 12.5C	8.9	460 468	--	--	35 1.52	--	--	--	29 .82	--	-- 214	-- --						5
G3 L 033.4 048.4 EAGLE LK STA NO 1A																						
11/07/84 1235	5050 5050	0	7.3 7.3	45.5F 7.5C	8.9 8.6	766 790	10 .50 6	40 3.29 17	104 4.52 5C	27 .69 8	430 8.59		--	11 .31	--	-- 14F	-- --		190 0	3.3 7.4		5
04/23/85 1435	5050 5050	0	8.0 8.1	46.8F 8.2C	9.1 8.8	789 777	10 .50 6	41 3.37 40	104 4.52 54	--	434 8.67		--	10 .28	--	-- 24F	-- --		194 0	3.2 7.7		5
06/14/85 1350	5050 5050	0	8.9 11.8	69.3F 20.7C	8.9 8.8	781 780	10 .50 6	42 3.45 40	105 4.57 54	--	438 8.75		--	10 .28	--	-- 14F	-- --		198 0	3.2 7.7		5
08/02/85 1355	5050 5050	0	7.8 10.2	66.0F 20.0C	9.1 9.0	776 788	10 .50 5	42 3.45 37	107 4.65 5C	28 .72 8	436 8.75		--	11 .31	--	-- 14F	-- --		198 0	3.3 7.9		5
09/19/85 1355	5050 5050	0	8.0 9.5	59.5F 15.3C	9.1 9.0	790 804	10 .50 6	42 3.45 41	104 4.52 53	--	448 8.95		--	10 .28	--	-- 14F	-- --		198 0	3.2 7.7		5
G3 L 035.2 045.1 EAGLE LK STA NO 11																						
11/07/84 0910	5050 5050	0	8.2 8.2	45.5F 7.5C	8.9 8.8	746 792	10 .50 6	40 3.29 36	105 4.57 5C	28 .72 8	430 8.59		--	11 .31	--	-- 14F	-- --		190 0	3.3 7.8		5
04/23/85 0830	5050 5050	0	9.8 10.0	47.5F 8.6C	8.9 8.7	760 777	10 .50 6	41 3.37 40	103 4.48 54	--	433 8.65		--	10 .28	--	-- 24F	-- --		194 0	3.2 7.6		5
06/14/85 0835	5050 5050	0	8.4 10.7	65.3F 18.5C	8.9 8.8	764 782	10 .50 6	42 3.45 40	105 4.57 54	--	440 8.79		--	10 .28	--	-- 14F	-- --		198 0	3.2 7.8		5
06/14/85 0845	5050 5050	61	2.9 3.1	52.0F 11.1C	8.9 8.7	760 782	10 .50 6	41 3.37 40	104 4.52 54	--	433 8.65		--	10 .28	--	-- 14F	-- --		194 0	3.2 7.7		5
08/02/85 0835	5050 5050	0	7.7 10.1	67.8F 19.8C	9.1 9.0	775 790	10 .50 6	42 3.45 40	108 4.61 54	--	439 8.77		--	10 .28	--	-- 14F	-- --		198 0	3.3 7.8		5
08/02/85 0835	5050 5050	61	0.3 3	55.6F 13.1C	8.7 8.9	779 776	10 .90 6	41 3.37 41	102 4.44 53	--	423 8.45		--	10 .28	--	-- 34F	-- --		194 0	3.2 7.9		5
09/19/85 0825	5050 5050	0	7.2 8.8	59.0F 15.0C	9.0 9.0	788 805	10 .50 6	43 3.54 41	105 4.57 53	--	449 8.97		--	10 .28	--	-- 24F	-- --		202 0	3.2 7.7		5
09/19/85 0835	5050 5050	62	7.6 9.0	59.0F 15.0C	9.0 9.0	787 806	10 .50 6	43 3.54 41	106 4.61 53	--	447 8.93		--	10 .28	--	-- 24F	-- --		202 0	3.2 7.8		5
G3 L 035.5 046.8 EAGLE LK STA NO 24																						
08/02/85 0930	5050 5050	0	7.9 10.2	66.9F 19.4C	9.1 9.0	766 786	10 .50 5	42 3.45 37	108 4.61 5C	28 .72 8	437 8.73		--	10 .28	--	-- 24F	-- --		198 0	3.3 7.8		5
08/02/85 0930	5050 5050	59	0.1 1	56.6F 13.8C	8.7 8.9	781 760	11 .55 6	41 3.37 37	105 4.57 5C	27 .69 8	425 8.49		--	10 .28	--	-- 14F	-- --		196 0	3.3 7.7		5
G3 L 036.9 044.7 EAGLE LK STA NO 10A																						
11/07/84 1145	5050 5050	0	7.4 7.0	41.4F 5.2C	9.0 8.8	779 798	10 .50 8	41 3.37 37	104 4.52 5C	27 .69 8	428 8.55		--	11 .31	--	-- 14F	-- --		194 0	3.2 7.7		5
04/23/85 1225	5050 5050	0	9.3 9.7	48.7F 9.3C	9.1 8.8	757 775	10 .50 6	41 3.37 40	103 4.48 54	--	432 8.63		--	10 .28	--	-- 24F	-- --		194 0	3.2 7.6		5
06/14/85 1225	5050 5050	0	8.7 11.3	66.9F 19.4C	9.0 8.8	767 785	10 .50 6	42 3.45 40	106 4.61 54	--	440 8.79		--	10 .28	--	-- 14F	-- --		198 0	3.3 7.8		5
08/02/85 1240	5050 5050	0	7.7 10.1	68.0F 20.0C	9.1 9.0	792 796	10 .50 5	42 3.45 37	106 4.61 5C	29 .74 8	438 8.75		--	11 .31	--	-- 14F	-- --		198 0	3.3 7.8		5

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. D	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCN	SAR ASAR	REP
G3 L 036.9 044.7 EAGLE LK STA NO 10A												GC8C2 CONTINUED								
09/19/85	5050		8.2	59.0F	9.1	789	10	43	106	--	450	—	10	--	--	--		202	3.2	
1210	5050		97	15.0C	9.0	805	.50	3.54	4.61		8.00		.28		1AF	--		0	7.8	
		0					6	41	53											5
G3 L 038.6 044.1 EAGLE LK STA NO 9A												GC8C2								
09/19/85	5050		8.5	57.6F	9.1	800	10	43	108	--	455	—	11	--	--	--		202	3.3	
1150	5050		99	14.2C	9.0	814	.50	3.54	4.70		9.09		.31		1AF	--		0	8.0	
		0					8	41	54											5
G3 L 040.4 046.0 EAGLE LK STA NO 4A												GC8C2								
11/07/84	5050		7.6	40.6F	9.0	795	10	42	110	28	441	—	11	--	--	--		198	3.4	
1100	5050		71	4.8C	8.8	805	.50	3.45	4.79	.72	8.81		.31		1AF	--		0	8.1	
		0					5	36	51	8										5
04/23/85	5050		9.2	50.4F	9.1	755	10	41	103	--	426	—	10	--	--	--		194	3.2	
1110	5050		98	10.2C	8.8	763	.50	3.37	4.48		8.51		.28		2AF	--		0	7.6	
		0					6	40	54											5
06/14/85	5050		8.9	68.7F	9.0	776	10	42	107	--	446	—	10	--	--	--		198	3.3	
1135	5050		116	20.4C	8.9	791	.50	3.45	4.65		8.91		.28		1AF	--		0	7.9	
		0					6	40	54											5
08/02/85	5050		7.1	68.0F	9.1	815	10	44	122	15	465	5.0	12	4.1	.1	--	517	206	3.4	
1200	5050		93	20.0C	9.1	826	.50	3.62	4.87	.38	9.29	.10	.34	.07	1AF	--	481	0	8.2	
		0					5	39	52	4	95	1	3	1						5
09/19/85	5050		9.3	55.8F	9.3	835	10	45	113	--	472	—	11	--	--	--		210	3.4	
1120	5050		106	13.2C	9.1	845	.50	3.70	4.92		9.43		.31		1AF	--		0	8.3	
		0					5	41	54											5
G3 L 041.9 041.2 EAGLE LK STA NO 7A												GC8C2								
11/07/84	5050		7.6	41.0F	9.0	815	9.0	44	114	30	464	—	12	--	--	--		204	3.5	
1005	5050		71	5.0C	8.8	835	.45	3.62	4.96	.77	9.27		.34		1AF	--		0	8.4	
		0					5	37	51	8										5
04/23/85	5050		9.5	50.0F	8.9	759	9.0	41	105	--	436	—	10	--	--	--		191	3.3	
1000	5050		101	10.0C	8.7	780	.45	3.37	4.57		8.71		.28		2AF	--		0	7.8	
		0					5	40	54											5
06/14/85	5050		8.4	68.0F	9.1	784	9.0	43	109	--	454	—	10	--	--	--		200	3.4	
1035	5050		110	20.0C	8.8	806	.45	3.54	4.74		9.07		.28		1AF	--		0	8.1	
		0					5	41	54											5
08/02/85	5050		7.6	66.4F	9.1	821	8.0	46	117	31	470	—	11	--	--	--		209	3.5	
1040	5050		68	19.1C	9.1	840	.40	3.78	5.09	.79	9.39		.31		1AF	--		0	8.6	
		0					4	38	51	8										5
09/19/85	5050		8.1	55.4F	9.3	860	8.0	48	119	--	494	—	12	--	--	--		218	3.5	
1010	5050		92	13.0C	9.2	871	.40	3.95	5.18		9.87		.34		1AF	--		0	8.7	
		0					4	41	54											5
G3 1140.00 PINE C A EAGLE LK NR SUSANVILLE												GC8C1								
04/22/85	5050	3.3R	10.0	48.2F	7.5	64	5.0	3.0	3.0	--	29	—	2.0	--	--	--		25	0.3	
1110	5050		103	9.0C	8.6	62	.25	.25	.13		.58		.06		4AF	--		0	0.1	
							40	40	21											5
G3 2805.00 PAPOOSE C NR SUSANVILLE												GC8D0								
04/22/85	5050		8.2	69.8F	8.2	209	20	10	8.0	--	112	—	1.0	--	--	--		91	0.4	
1440	5050		110	21.0C	8.3	206	1.00	.82	.35		2.24		.03		4AF	--		0	0.6	
							46	38	36											5
G3 2510.00 MERRILL C A EAGLE LK NR SUSANVILL												GC8C1								
04/22/85	5050		7.7	66.2F	7.1	93	6.0	5.0	4.0	--	44	—	2.0	--	--	--		36	0.3	
1405	5050		99	19.0C	8.2	80	.30	.41	.17		.88		.06		6AF	--		0	0.2	
							34	47	19											5
G3 2515.00 MERRILL C AL LITTLE MERRILL FLAT												GC8C1								
04/22/85	5050		8.5	59.0F	7.6	74	5.0	5.0	3.0	--	41	—	.0	--	--	--		33	0.2	
1240	5050	2E	102	15.0C	8.4	73	.25	.41	.13		.82		.00		6AF	--		0	0.2	
							32	52	16											5
G4 L 018.5 027.1 HONEY LK NR HUNTINGVILLE												GC8F0								
11/14/84	5050		10.6	48.2F	8.1	487	24	8.0	75	5.3	170	—	28	30	2.3	.4	--	322	93	3.4
1320	5050		105	9.0C	8.5	484	1.20	.66	3.26	.14	3.40		.58	.85	.04	360A	--	275	0	5.7
							23	13	62	3	70		12	17	1					5
03/14/85	5050		9.5	46.4F	8.6	1180	12	4.0	252	--	323	—	118	--	--	.0	--		46	16.2
1005	5050		92	8.0C	8.6	1160	.60	.33	10.95		6.45		3.33			560A	--		0	25.7
							5	3	92											5
05/07/85	5050		8.3	62.8F	8.8	1370	--	--	--	--	--	—	--	--	--	--	--			
1300	5050		98	17.0C												1130AF	--			
																				5
09/20/85	5050		9.9	58.1F	9.1	1940	10	4.0	425	--	527	—	206	--		2.4	--		44	27.9
0940	5050		111	14.5C	9.0	1980	.50	.33	18.46		10.53		5.81			575A	--		0	48.2
							3	2	96											5
G4 1590.01 SUSAN R NR LITCHFIELD												GC8G0								
11/14/84	5050		11.5	48.2F	8.3	390	--	--	--	--	--	—	--	--	--	--	--			
1415	5050		114	9.0C												8AF	--			
01/23/85	5050		12.2	39.2F	8.2	400	--	--	--	--	--	—	--	--	--	--	--			
1410	5050		107	4.0C												9AF	--			
03/13/85	5050		10.4	48.2F	8.5	346	--	--	--	--	--	—	--	--	--	--	--			
1510	5050		103	9.0C												30AF	--			

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
G4	1590.01				SUSAN R NR LITCHFIELD										FCRRO CONTINUED					
05/08/85	5050		8.7	60.8F	8.1	405	25	12	46	--	161		--	8.0	--	.6	--		112	1.9	
1025	5050		101	16.0C	8.4	417	1.25	.99	2.0C		3.22			.23		7A	--		0	3.3	
							29	23	47												5
07/10/85	5050		8.6	87.8F	8.3	465	--	--	--	--	--		--	--	--	--	--				
1430	5050		132	31.0C												44F	--				
G4	1600.01				SUSAN R A LASSEN ST BR										GORRO					
11/14/84	5050	1.66	11.4	41.0F	7.9	128	--	--	--	--	--		--	--	--	--	--				
1520	5050	44	103	5.0C												9AF	--				
01/23/85	5050	1.33	12.1	33.8F	8.0	172	--	--	--	--	--		--	--	--	--	--				
1115	5050	18E	95	1.0C												14F	--				
03/13/85	5050	1.71	9.9	44.6F	8.1	152	--	--	--	--	--		--	--	--	--	--				
1350	5050	48	94	7.0C												9AF	--				
05/07/85	5050	2.04	9.8	50.0F	7.5	89	--	--	--	--	--		--	--	--	--	--				
0930	5050	79	100	10.0C												74F	--				
07/11/85	5050	0.58	8.5	66.2F	8.1	188	18	10	8.C	--	96		--	1.0	--	.0	--		86	0.4	
0955	5050	3.6	106	19.0C	8.3	186	.90	.82	.35		1.92			.03		14	--		0	0.5	
							43	40	17												5
09/20/85	5050	0.70	8.3	51.6F	8.3	179	--	--	--	--	--		--	--	--	--	--				
1025	5050	5.7	91	12.0C												24F	--				
																					5
G4	2001.00				WILLOW C A RD 4-27 NR LITCHFIELD										GORRO					
11/14/84	5050		11.7	47.3F	8.4	33A	--	--	--	--	--		--	--	--	--	--				
1425	5050	41	115	8.5C												5AF	--				
																					5
01/23/85	5050		12.8	37.4F	8.4	344	--	--	--	--	--		--	--	--	--	--				
1425	5050	40	109	3.0C												9AF	--				
																					5
03/13/85	5050		9.6	48.2F	8.6	359	18	11	38	--	134		--	6.0	--	.0	--		90	1.7	
1300	5050	60	95	9.0C	8.4	336	.90	.90	1.65		3.08			.17		45A	--		0	2.9	
							26	26	48												5
05/07/85	5050		9.6	57.2F	8.4	396	--	--	--	--	--		--	--	--	--	--				
1015	5050	14	107	14.0C												9AF	--				
																					5
07/10/85	5050		9.3	80.6F	8.6	366	20	14	43	7.7	108		6.0	6.0	.0	.1	--	235	108	1.8	
1435	5050	9.3	133	27.0C	7.4	373	1.00	1.15	1.87	.20	3.76		.12	.17	.00	34F	--	210	0	9.3	
							24	27	44	5	93		3	4	0						5
09/18/85	5050		9.9	66.2F	8.7	304	--	--	--	--	--		--	--	--	--	--				
1445	5050	14	122	19.0C												48AF	--				
G6	1200.00				LONG VLY C AR DOYLE										GORAO					
01/23/85	5050		11.6	39.2F	8.1	396	22	8.0	52	--	108		--	15	--	.5	--		88	2.4	
1250	5050		103	4.0C	7.8	410	1.10	.86	2.2E		2.16			.42		11A	--		0	3.6	
							27	1A	5E												5
G6	1708.00				LONG VLY CR NR MALLELUJAH JCT										GORAO					
11/14/84	5050		11.4	46.4F	8.4	288	--	--	--	--	--		--	--	--	--	--				
1210	5050	5E	114	8.0C												14F	--				
03/14/85	5050	2.51	10.5	44.6F	8.1	365	--	--	--	--	--		--	--	--	--	--				
0900	5050	4.0	102	7.0C												30AF	--				
05/07/85	5050		8.3	64.4F	8.5	294	--	--	--	--	--		--	--	--	--	--				
1140	5050	3E	103	18.0C												5AF	--				
07/11/85	5050	2.19	8.1	64.4F	8.0	541	18	6.0	8F	3.3	90		120	26	1.2	.9	--	3AR	70	4.A	
0815	5050	.7	101	18.0C	7.2	349	.90	.49	3.83	.08	1.80		2.50	.73	.02	41F	--	317	0	8.9	
							17	9	72	2	3A		50	14	0						5
09/20/85	5050		8.6	49.1F	8.3	310	--	--	--	--	--		--	--	--	--	--				
0815	5050	1E	89	9.5C												3AF	--				
G7	1665.00				TRUCKEE R A TAHOE CTY										GGORO					
10/18/84	2163	2.16	7.7	48 F	7.1	92	--	--	--	--	--		--	--	--	--	--	58			
1000	5050		83	9 C												24	--				
04/23/85	5050		7.8	44.9F	7.0	97	12	3.0	8.C	--	44		--	4.0	--	--	--	67	42	0.5	
0850	5050		80	6.9C	7.4	109	.60	.25	.35		.88			.11		0A	--		0	0.4	
							50	21	29												
08/14/85	2163	4.11	6.6	67.6F	7.2	108	--	--	--	--	--		--	--	--	--	--	59			
1340	5050		96	19.8C												34	--				
09/18/85	5050	3.08	6.8	52.2F	7.4	110	9.0	3.0	6.C	1.7	42		2.0	2.0	.1	.0	--	59	35	0.4	
0845	5050		77	11.2C	8.2	96	.45	.25	.2E	.04	.84		.04	.06	.00	1A	--	49	0	0.9	
							45	25	2E	4	89		4	6	0						

TABLE C-1 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

DATE TIME	SAMPLER LAB	G.H. O	DO SAT	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	MILLIGRAMS PER LITER SO4	CL	NO3	MILLIGRAMS PER LITER A TURB	F SIO2	TDS SUM	TH NCH	SAR 4SAR	RFR
	68	2300.00			CARSON R W F A WOODFORDS							60440								
04/22/85	5050		10.3	16 F	7.4	47	6.0	2.0	3.0	--	22	--	1.0	--	--	--	45	23	0.3	E
0830	5050		91	2 C	6.1	50	.30	.16	.13		.44		.03		14	--		1	0.1	
							51	27	22											
09/17/85	5050		8.9	44.2F	7.9	85	8.0	2.0	4.0	1.5	19	2.0	6.0	.3	.0	--	43	26	0.3	E
0845	5050		94	9.0C	7.9	74	.40	.16	.17	.04	.38	.04	.17	.00		--	35	9	0.1	T
							52	21	22	5	64	7	29	0						S
	68	3420.20			CARSON R E F A HWY 4							60340								
10/31/84	2163		11.8	37 F	7.5	112	--	--	--	--	--	--	--	--	--	--	61			
0910	5050	100E	105	3 C											34	--				
																				S
04/22/85	5050		10.2	39.5F	7.4	83	10	3.0	6.0	--	37	--	1.0	--	--	--	70	38	0.4	E
0915	5050		95	4.2C	6.9	89	.50	.25	.26		.74		.03		24	--		1	0.4	
							50	25	26											
08/14/85	2163		7.4	54.7F	8.0	132	--	--	--	--	--	--	--	--	--	--	78			
0745	5050		84	12.6C											84	--				
09/17/85	5050	1.24	7.7	56.4F	8.2	130	11	3.0	8.0	1.5	50	6.0	2.0	.1	.1	--	58	40	0.6	
1330	5050		90	13.8C	8.2	114	.55	.25	.35	.04	1.00	.12	.06	.00	14	--	62	0	0.5	
							46	21	29	3	85	10	5	0						
	69	2440.00			WALKER R W BL LITTLE WALKER R							60200								
04/22/85	5050		9.6	45.5F	7.9	145	14	3.0	16	--	61	--	3.0	--	--	--	103	48	1.0	
1045	5050		101	7.5C	6.6	157	.70	.25	.70		1.22		.08		54	--		0	1.0	
							42	15	42											
09/16/85	5050	0.88	8.0	50.0F	8.2	250	14	3.0	31	3.0	87	18	8.0	.1	.4	--	144	48	1.0	
1000	5050		90	10.0C	8.4	236	.70	.25	1.35	.08	1.74	.37	.23	.00		--	130	0	2.3	
							29	11	57	3	74	16	10	0						
	69	3200.00			WALKER R,E, NR BRIDGEPORT							60140								
10/30/84	2163	0.52	9.1	44 F	8.6	153	--	--	--	--	--	--	--	--	--	--	69			
1620	5050	31	93	7 C											174	--				
																				S
04/22/85	5050		9.0	52 F	7.8	172	19	4.0	14	--	77	--	2.0	--	--	--	123	64	0.8	
1145	5050		103	11 C	7.3	190	.95	.33	.61		1.54		.06		14	--		0	0.9	
							50	17	32											
08/14/85	2163	1.85	5.5	65.7F	8.6	179	--	--	--	--	--	--	--	--	--	--	125			
0945	5050		74	18.7C											84	--				
09/17/85	5050	0.88	7.0	54.5F	7.9	210	21	4.0	13	3.3	81	13	3.0	2.4	.1	--	144	69	0.7	E
1100	5050	93	85	13.6C	8.3	201	1.05	.33	.57	.08	1.62	.27	.08	.04	154	--	108	0	0.9	T
							52	16	28	4	81	13	4	2						

TABLE C-2
MINOR ELEMENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
Disch	-	Instantaneous discharge in cubic feet per second (E = Estimated)
EC	-	Electrical conductance in microsiemens at 25° C
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	-	Measure of acidity or alkalinity of water
CHROM (ALL)	-	All chromium
CHROM (HEX)	-	Hexavalent chromium
D	-	Dissolved
T	-	Total

TABLE C-7

MINOR ELEMENT ANALYSES OF SURFACE WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
AO Y 818.4 147.6 ULATIS CR AT BROWN RD								A0240			
11/13/84	5050			15.0C		--	0.00 D	0.01 D	0.00 D	--	--
1220	5050		320	7.5	0.00 D	--	--	0.18 D	0.09 D	0.001 D	0.01 D
11/28/84	5050			11.5C		--	--	--	--	--	--
1200	5050		240	7.7	--	--	--	--	--	0.000 D	--
03/11/85	5050			14.5C		--	0.00 D	0.00 D	0.00 D	--	--
1200	5050		480	8.0	0.00 D	--	--	0.14 D	0.02 D	0.001 D	0.04 D
AO Y 821.5 150.8 ULATIS CR AT HAWKINS RD								A0240			
11/28/84	5050			11.5C		--	--	--	--	--	--
1200	5050		240	7.7	--	--	--	--	--	0.000 D	--
AQ 9220.00 BARKER SLU NR DOZIER								A0240			
11/13/84	5050			15.0C		--	0.00 D	0.01 D	0.00 D	--	--
1115	5050		366	8.1	0.00 D	--	--	0.10 D	0.03 D	0.000 D	0.02 D
11/28/84	5050		90.0	11.5C		--	--	--	--	--	--
1105	5050		260	7.5	--	--	--	--	--	0.000 D	--
03/11/85	5050			13.5C		--	0.00 D	0.00 D	0.00 D	--	--
1100	5050		600	8.3	0.00 D	--	--	0.05 D	0.02 D	0.000 D	0.02 D
A2 0130.00 SQUAW C L A SHASTA LK								A2080			
04/17/85	5050		25 E	13.0C		--	--	0.51 T	--	--	--
1020	5050		113	4.5	--	--	--	--	--	--	--
05/23/85	5050		25 E	19.0C		--	--	0.72 T	--	--	--
1220	5050		154	4.1	--	--	--	--	--	--	--
07/25/85	5050		5 E	25.5C		--	--	1.2 T	--	--	--
1130	5050		251	3.6	--	--	--	--	--	--	--
08/21/85	5050		5 E	19.5C		--	--	1.6 T	--	--	--
0855	5050		315	3.5	--	--	--	--	--	--	--
A3 1110.00 STONY C AL BLACK BUTTE DM NR ORLAND								A1340			
09/13/85	5050			20.0C		--	--	--	--	--	--
0840	5050		582	8.1	0.00 D	--	--	--	--	--	--
A5 1253.00 STONY C AB GRINDSTONE C								A1481			
09/13/85	5050		5 E	19.0C		--	--	--	--	--	--
0930	5050		393	8.3	0.00 D	--	--	--	--	--	--
A8 L 857.9 240.6 CLEAR LK LO ARM CL3								A0402			
10/23/84	5050			14.4C		--	0.00 T	0.00 T	0.00 T	0.000 T	--
1100	5050	0	232	7.9	0.00 T	0.00 T	--	0.51 T	0.01 T	0.000 T	0.00 T
03/19/85	5050			9.8C		--	0.00 T	0.00 T	0.00 T	0.000 T	--
1100	5050	0	252	7.2	0.00 T	0.00 T	--	0.22 T	0.01 T	0.000 T	0.01 T
A8 L 930.7 241.7 CLEAR LK 23 OAKS ARM CL4								A0402			
10/23/84	5050			14.1C		--	0.00 T	0.00 T	0.00 T	0.000 T	--
1145	5050	0	222	8.0	0.00 T	0.00 T	--	0.68 T	0.02 T	0.000 T	0.00 T
03/19/85	5050			9.3C		--	0.00 T	0.00 T	0.00 T	0.000 T	--
1145	5050	0	242	7.8	0.00 T	0.00 T	--	0.24 T	0.01 T	0.000 T	0.01 T
A8 L 903.8 251.9 CLEAR LK 15-UP ARM CL-1								A0402			
10/23/84	5050			14.1C		--	0.00 T	0.00 T	0.00 T	0.000 T	--
1015	5050	0	210	7.9	0.00 T	0.00 T	--	1.4 T	0.04 T	0.000 T	0.01 T
03/19/85	5050			11.0C		--	0.00 T	0.00 T	0.00 T	0.000 T	--
1015	5050	0	211	7.6	0.00 T	0.00 T	--	0.47 T	0.01 T	0.000 T	0.00 T
A8 1500.00 KELSEY C NR KELSEYVILLE								A0404			
10/04/84	5050			16.0C		--	--	0.00 T	0.00 T	0.000 T	--
0620	5050		231	7.3	--	0.00 T	--	0.20 T	0.01 T	--	0.01 T
04/03/85	5050			10.5C		--	--	0.00 T	0.00 T	0.000 T	--
0730	5050		235	7.5	--	0.00 T	--	0.16 T	0.01 T	--	0.01 T
07/09/85	5050			23.0C		--	--	0.01 T	0.00 T	0.000 T	--
0955	5050		335	7.8	--	0.00 T	--	0.06 T	0.01 T	--	0.01 T
09/30/85	5050			20.5C		--	--	0.00 T	0.00 T	0.000 T	--
1400	5050		290	7.6	--	0.00 T	--	0.07 T	0.00 T	--	0.00 T
A8 5651.00 KELSEY C AB HIGH VLY C								A0404			
10/04/84	5050			13.0C		--	--	0.00 T	0.00 T	0.000 T	--
0840	5050		120	7.3	--	0.00 T	--	0.17 T	0.00 T	--	0.01 T
04/01/85	5050			12.0C		--	--	0.00 T	0.00 T	0.000 T	--
1145	5050		149	7.7	--	0.00 T	--	0.28 T	0.01 D	--	0.00 T
07/09/85	5050			22.0C		--	--	0.00 T	0.00 T	0.000 T	--
1200	5050		150	8.0	--	0.00 T	--	0.16 T	0.01 T	--	0.00 T
09/30/85	5050			19.0C		--	--	0.01 T	0.00 T	0.000 T	--
1130	5050		152	7.5	--	0.00 T	--	0.12 T	0.00 T	--	0.00 T
A8 5610.00 HIGH VALLEY C AB KELSEY C								A0404			
10/04/84	5050			14.5C		--	--	0.00 T	0.00 T	0.000 T	--
0900	5050		330	7.4	--	0.00 T	--	0.16 T	0.02 T	--	0.00 T
04/01/85	5050			12.0C		--	--	0.00 T	0.00 T	0.000 T	--
1130	5050		188	7.8	--	0.00 T	--	0.16 T	0.01 T	--	0.00 T
07/09/85	5050			20.5C		--	--	0.00 T	0.01 T	0.000 T	--
1130	5050		340	7.9	--	0.00 T	--	0.10 T	0.01 T	--	0.01 T

TABLE C-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF SURFACE WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	A8 3610.00			HIGH VALLEY C AB KELSEY C				A0404 CONTINUED			
09/30/83	5050			15.3C		--	--	0.00 T	0.00 T	0.000 T	--
1100	5050		355	7.5	--	0.00 T	--	0.08 T	0.01 T	--	0.00 T
	A8 3616.00			BOTTLE ROCK PWR PLANT NR GLENBROOK				A0404			
07/27/85	5050					--	--	0.02 T	--	0.350 T	--
1430	5050				0.01 T	--	--	--	--	--	--
08/13/85	5050					0. T	--	0.24 T	0.00 T	0.039 T	--
1130	5050				0.31 T	0.00 T	--	13. T	0.19 T	--	0.01 T
08/15/85	5050					0. T	--	0.01 T	0.00 T	0.001 T	--
1340	5050				0.09 T	0.00 T	--	0.23 T	0.16 T	--	0.00 T
09/03/85	5050					0. T	--	0.08 T	0.00 T	0.015 T	--
1115	5050				0.46 T	0.00 T	--	26. T	0.18 T	0.002 D	0.02 T
09/12/85	5050					0. T	--	0.04 T	0.00 T	0.002 T	--
	5050				0.21 T	0.00 T	--	7.5 T	0.15 T	0.003 D	0.00 T
09/12/85	5050					0. T	--	0.04 T	0.00 T	0.943 T	--
	5050				0.71 T	0.00 T	--	18. T	0.76 T	0.000 T	0.00 T
	A8 3701.00			KELSEY C A GLENBROOK				A0404			
10/04/84	5050			12.0C		--	--	0.00 T	0.00 T	0.000 T	--
0719	5050		111	7.3	--	0.00 T	--	0.28 T	0.00 T	--	0.00 T
04/01/85	5050			14.3C		--	--	0.00 T	0.00 T	0.000 T	--
1430	5050		102	7.5	--	0.00 T	--	0.45 T	0.01 T	--	0.00 T
07/09/85	5050			19.5C		--	--	0.00 T	0.01 T	0.000 T	--
1345	5050		122	7.8	--	0.00 T	--	0.18 T	0.00 T	--	0.00 T
09/30/55	5050			13.0C		--	--	0.00 T	0.00 T	0.000 T	--
1300	5050		120	7.4	--	0.00 T	--	0.13 T	0.00 T	--	0.01 T
	A5 5710.00			ALDER C A GLENBROOK				A0404			
10/04/84	5050			11.0C		--	--	0.00 T	0.00 T	0.000 T	--
0830	5050		73	7.2	--	0.00 T	--	0.11 T	0.01 T	--	0.00 T
04/01/85	5050			14.0C		--	--	0.00 T	0.00 T	0.000 T	--
1400	5050		117	7.6	--	0.00 T	--	0.18 T	0.01 T	--	0.00 T
07/09/85	5050			23.0C		--	--	0.00 T	0.00 T	0.558 T	--
1230	5050		88	7.7	--	0.00 T	--	0.09 T	0.01 T	--	0.01 T
09/30/85	5050			16.5C		--	--	0.01 T	0.00 T	0.000 T	--
1230	5050		80	7.6	--	0.00 T	--	0.10 T	0.01 T	--	0.00 T
	B0 7020.00			SAN JOAQUIN R NR VERNALIS				B0100			
10/25/84	5050			13.5C		--	--	--	--	--	--
0810	5050		130	7.4	--	--	--	--	--	0.000 D	--
11/29/84	5050			11.5C		--	--	--	--	--	--
0945	5050		380	7.1	--	--	--	--	--	0.550 D	--
12/12/84	5050			11.0C		--	--	--	--	--	--
0835	5050		380	7.3	--	--	--	--	--	0.000 D	--
01/30/85	5050			8.0C		--	--	--	--	--	--
0750	5050		480	7.4	--	--	--	--	--	0.051 D	--
02/22/85	5050			54 F		--	--	--	--	--	--
1310	5050		585	7.4	--	--	--	--	--	0.001 D	--
02/27/85	5050			12.5C		--	0.00 D	0.50 D	0.00 D	--	--
0815	5050		590	7.4	0.00 D	0.00 D	--	0.08 D	0.04 D	0.002 D	0.02 D
03/27/85	5050			12.0C		--	--	--	--	--	--
0845	5050		790	7.4	--	--	--	--	--	0.002 D	--
	B8 T R02.2 155.6			WALLACE SL A PP				E07C1			
02/13/85	5050			11.5C		--	--	--	--	--	--
0750	5050		695	7.7	--	--	--	--	--	0.000 D	--
08/13/85	5050			14.0C		--	--	--	--	--	--
0815	5050		2100	8.4	--	--	--	--	--	0.000 D	--
	R9 C 749.0 183.8			DELTA MENDOTA CA A LINDEMAN RD				B0100			
10/25/84	5050			16.0C		--	--	--	--	--	--
1000	5050		260	7.8	--	--	--	--	--	0.000 D	--
11/29/84	5050			110 C		--	--	--	--	--	--
1215	5050		320	7.4	--	--	--	--	--	0.000 D	--
12/12/84	5050			11.5C		--	--	--	--	--	--
1015	5050		310	7.2	--	--	--	--	--	0.000 D	--
01/30/85	5050			7.5C		--	--	--	--	--	--
0850	5050		380	7.3	--	--	--	--	--	0.001 D	--
02/27/85	5050			13.0C		--	--	--	--	--	--
1015	5050		325	7.5	--	--	--	--	--	0.550 D	--
03/27/85	5050			12.0C		--	--	--	--	--	--
0945	5050		320	7.4	--	--	--	--	--	0.000 D	--
	R9 O 753.5 129.3			WOOLE R A BORDEN HWY				B0100			
02/06/85	5050			6.5C		--	--	--	--	--	--
0830	5050		390	7.3	--	--	--	--	--	0.000 D	--
03/06/85	5050			10.0C		--	--	--	--	--	--
0800	5050		290	7.4	--	--	--	--	--	0.000 D	--
	R9 O 758.4 114.8			ROCK SL A OLD RIVER				B0100			
01/30/55	5050			8.0C		--	--	--	--	--	--
1015	5050		280	7.2	--	--	--	--	--	0.031 D	--
02/27/85	5050			14.0C		--	--	--	--	--	--
1145	5050		260	7.5	--	--	--	--	--	0.050 D	--

TABLE C-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	R9 0 758.4 134.8	ROCK SL A OLD RIVER						A0100 CONTINUED			
03/27/85 1115	5050		260	12.0C 7.4	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
	R9 0 814.8 139.5	MINER SLU A RYDE ISL SCH HWY						A0100			
10/24/84 1215	5050		146	59 F 7.6	--	-- --	-- --	-- --	-- 0.02 D	-- 0.000 D	-- --
01/25/85 1330	5050		204	45 F 7.4	--	-- --	-- --	-- --	-- 0.02 D	-- 0.001 D	-- --
04/11/85 0900	5050		187	63 F 7.6	--	-- --	-- --	-- --	-- 0.02 D	-- 0.000 D	-- --
07/29/85 1230	5050		165	21.5C 7.6	--	-- --	-- --	-- --	-- 0.00 D	-- --	-- --
	R9 0 815.8 146.2	LINDSAY SLU A HASTINGS CUT						A0100			
10/24/84 0945	5050		402	58 F 7.8	--	-- --	-- --	-- --	-- 0.01 D	-- 0.000 D	-- --
11/15/84 1045	5050		360	12.5C 7.5	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
11/16/84 1200	5050		360	54 F 7.6	--	-- --	-- --	-- --	-- 0.02 D	-- 0.000 D	-- --
12/05/84 1045	5050		440	10.5C 7.4	--	-- --	-- --	-- --	-- 0.02 D	-- 0.000 D	-- --
12/06/84 1050	5050		450	11.0C 7.3	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
01/25/85 1045	5050		542	43 F 7.4	0.00 D	--	0.00 D --	0.00 D 0.06 D	0.00 D 0.04 D	-- 0.000 D	-- 0.01 D
02/13/85 1150	5050		360	10.5C 7.3	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
02/22/85 1030	5050		435	52 F 7.4	0.00 D	--	0.00 D --	0.01 D 0.12 D	0.00 D 0.03 D	-- 0.000 D	-- 0.01 D
03/13/85 1145	5050		495	12.5C 7.6	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
03/27/85 1200	5050		489	50 F 0.0	--	-- --	-- --	-- --	-- 0.05 D	-- 0.000 D	-- --
04/11/85 1130	5050		510	66 F 8.0	--	-- --	-- --	-- --	-- 0.00 D	-- 0.000 D	-- --
05/17/85 0930	5050		588	66 F 8.0	--	-- --	-- --	-- --	-- 0.04 D	-- 0.000 D	-- --
07/29/85 1010	5050		377	20.3C 8.0	--	-- --	-- --	-- --	-- 0.02 D	-- --	-- --
08/15/85 0745	5050		363	18.9C 8.0	0.00 D	--	0.00 D --	0.01 D 0.05 D	0.00 D 0.02 D	-- 0.000 D	-- 0.01 D
09/12/85 1130	5050		540	18.0C 7.7	--	-- --	-- --	-- --	-- 0.02 D	-- --	-- --
	R9 0 817.8 144.8	CACHE SLU A VALLEJO PUPL						A0100			
10/24/84 0900	5050		775	58 F 7.8	--	-- --	-- --	-- --	-- 0.02 D	-- 0.001 D	-- --
11/15/84 1000	5050		520	12.5C 7.4	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
11/16/84 1100	5050		500	54 F 7.6	--	-- --	-- --	-- --	-- 0.01 D	-- 0.000 D	-- --
12/05/84 1000	5050		840	10.5C 7.6	--	-- --	-- --	-- --	-- 0.05 D	-- 0.001 D	-- --
12/06/84 0950	5050		715	10.5C 7.9	--	-- --	-- --	-- --	-- --	-- 0.001 D	-- --
01/25/85 1200	5050		1001	45 F 8.4	--	-- --	-- --	-- --	-- 0.07 D	-- 0.002 D	-- --
03/27/85 1030	5050		257	50 F 7.6	--	-- --	-- --	-- --	-- 0.02 D	-- 0.000 D	-- --
04/11/85 1305	5050		1025	66 F 8.4	--	-- --	-- --	-- --	-- 0.01 D	-- 0.002 D	-- --
05/17/85 1015	5050		549	65 F 8.4	--	-- --	-- --	-- --	-- 0.08 D	-- 0.001 D	-- --
07/29/85 0910	5050		584	19.5C 8.2	--	-- --	-- --	-- --	-- 0.01 D	-- --	-- --
	R9 0 820.7 132.7	SACRAMENTO R A GREENS LOG						A0100			
10/04/84 0620	5050		180	17.5C 7.4	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
11/08/84 0820	5050		180	14.0C 7.3	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
12/05/84 0745	5050		200	10.5C 7.4	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --
01/30/85 1145	5050		190	8.0C 7.4	--	-- --	-- --	-- --	-- --	-- 0.000 D	-- --

TABLE C-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC
	RO D 820.7 132.7			SACRAMENTO R A GREENS LDG				A0100 CONTINUED			
02/06/85	5050			8.0C		--	--	--	--	--	--
1130	5050		175	7.5	--	--	--	--	--	0.090 0	--
03/06/85	5050			11.0C		--	--	--	--	--	--
1200	5050		180	7.4	--	--	--	--	--	0.090 0	--
	RO V 803.6 129.9			AG-OR W-EO EMPIRE T S-SI ATHERTON				B0100			
02/06/85	5050			6.0C		--	--	--	--	--	--
0905	5050		2500	7.3	--	--	--	--	--	0.000 0	--
03/06/85	5050			10.5C		--	--	--	--	--	--
0945	5050		2200	7.3	--	--	--	--	--	0.000 0	--
	RO V 807.9 134.7			AGRI-OR TYLER IS RY VORMANS LNDG				A0100			
03/27/85	5050			11.5C		--	--	--	--	--	--
1245	5050		740	6.8	--	--	--	--	--	0.000 0	--
	RO V 813.2 135.7			AGRI-OR GRAND IS NR WALKER LNDG				A0100			
02/06/85	5050			11.5C		--	--	--	--	--	--
1030	5050		550	7.1	--	--	--	--	--	0.000 0	--
03/06/85	5050			12.5C		--	--	--	--	--	--
1100	5050		460	8.9	--	--	--	--	--	0.000 0	--
	G3 L 035.2 045.1			EAGLE LK STA NO 11				G08C2			
06/14/85	5050			18.5C		--	--	--	--	--	--
0835	5050	0	764	8.9	--	--	--	0.03 T	--	--	--
06/14/85	5050			11.1C		--	--	--	--	--	--
0845	5050	61	760	8.9	--	--	--	0.03 T	--	--	--
08/02/85	5050			19.8C		--	--	--	--	--	--
0835	5050	0	775	9.1	--	--	--	0.11 T	--	--	--
08/02/85	5050			13.1C		--	--	--	--	--	--
0835	5050	61	779	8.7	--	--	--	0.28 T	--	--	--
	G3 L 038.9 044.7			EAGLE LK STA NO 10A				G08C2			
08/02/85	5050			20.0C		--	--	--	--	--	--
1240	5050	0	792	9.1	--	--	--	0.12 T	--	--	--
	G3 L 040.4 046.0			EAGLE LK STA NO 4A				G08C2			
08/02/85	5050			20.0C		--	--	--	--	--	--
1200	5050	0	815	9.1	--	--	--	0.53 T	--	--	--
	G3 L 041.9 041.2			EAGLE LK STA NO 7A				G08C2			
08/02/55	5050			19.1C		--	--	--	--	--	--
1040	5050	0	821	9.1	--	--	--	0.07 T	--	--	--
	G3 1140.00			PINE C A EAGLE LK NR SUSANVILLE				G08C1			
04/22/85	5050			9.0C		--	--	--	--	--	--
1110	5050		64	7.5	--	--	--	0.26 T	--	--	--
	G3 2505.00			PAPOOSE C NR SUSANVILLE				G0800			
04/22/85	5050			21.0C		--	--	--	--	--	--
1443	5050		209	8.2	--	--	--	0.80 T	--	--	--
	G3 2510.00			MERRILL C A EAGLE LK NR SUSANVILL				G08C1			
04/22/85	5050			19.0C		--	--	--	--	--	--
1405	5050		93	7.1	--	--	--	0.29 T	--	--	--
	G3 2515.00			MERRILL C AL LITTLE MERRILL FLAT				G08C1			
04/22/85	5050		2 E	15.0C		--	--	--	--	--	--
1240	5050		74	7.6	--	--	--	0.28 T	--	--	--

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TABLE C-3
MISCELLANEOUS ANALYSES OF SURFACE WATER

Lab and Sampler Agency Codes

2163	-	California Department of Water Resources for the State Water Resources Control Board
5050	-	California Department of Water Resources
8000	-	University of Nevada Desert Research Institute Laboratory

Abbreviations and Constituents

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
EC	-	Electrical conductance in microsiemens at 25° C
DO	-	Dissolved oxygen content in milligrams per liter
GH	-	Instantaneous gage height in feet above an established datum
pH	-	Measure of acidity or alkalinity of water: F = field determination, L = Lab determination
DISCH	-	Instantaneous discharge in cubic feet per second (E = estimated)
MBAS	-	Methylene blue active substance (a test for detergent surfactants) in milligrams per liter
DEPTH	-	Depth, in feet, at which sample was collected
TURB	-	Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
T+L	-	Tannin and lignin as tannic acid in milligrams per liter
CHLOR	-	Field determination of residual chlorine in milligrams per liter
O+G	-	Oil and grease in milligrams per liter
COLOR	-	True color in color units
SET S	-	Settleable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L)
BOD	-	Biochemical oxygen demand in milligrams per liter: B = 5 days
SUS S	-	Suspended solids in milligrams per liter; 5 = at 105 degrees C
COD	-	Chemical oxygen demand in milligrams per liter
V SUS S	-	Volatile suspended solids in milligrams per liter
CYANIDE	-	Cyanide in milligrams per liter
PHENOLS	-	Phenols in milligrams per liter
TOC	-	Total organic carbon in milligrams per liter
DOC	-	Dissolved organic carbon in milligrams per liter
IODIDE	-	Iodide in milligrams per liter
T ODOR	-	Threshold odor number at 60 degrees C
BROMIDE	-	Bromide in milligrams per liter
SULFITE	-	Sulfite in milligrams per liter
T SULF	-	Total sulfides in milligrams per liter
D SULF	-	Dissolved sulfides in milligrams per liter
CC EXT	-	Carbon chloroform extract
CA EXT	-	Carbon alcohol extract

TABLE C-3

MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.N.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	D+G COLOR	SET 5 ML/L MG/L	ROD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	INDIDE T DOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
	AN	0010.00			ANTELOPE LK NR DM						A11E4						
04/25/85 0930	5050 8000	50.0F 85	9.9 2.74	7.2	--	1	-- --	-- --	-- --	-- 5.A 5	-- 3.2	-- --	-- --	-- --	-- --	-- --	-- --
04/25/85 0945	5050 8000	45.0F 76	8.7 2.74	7.0	--	20	-- --	-- --	-- --	-- 4.8 5	-- 2.1	-- --	-- --	-- --	-- --	-- --	-- --
	AO	5103.00			FEATHER R A NICOLAUS						A05R2						
10/25/84 1200	2163 5050	63 F 90	10.2	7.4	--		-- --	-- --	-- --	0.A A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
01/03/85 1145	5050 5050	44 F 91	11.5	7.2	--		-- --	-- --	-- --	1.3 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
08/15/85 1100	2163 2163	21.MC 105	7.2	7.8	--		-- --	-- --	-- --	1.7 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO	6150.00			YUBA R NR MARYSVILLE						A08C0						
10/25/84 1000	2163 5050	53 F 89	10.5 60.01	7.1	--		-- --	-- --	-- --	1.5 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
08/15/85 1255	2163 2163	18.1C 102	7.8	7.6	--		-- --	-- --	-- --	2.0 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
09/19/85 1030	2163 5050	17.0C 96	9.0 59.34	7.4	--		-- --	-- --	-- --	1.0 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO	6550.00			REAR R NR WHEATLAND						A08A0						
10/25/84 1055	2163 5050	63 F 84	9.9	7.3	--		-- --	-- --	-- --	1.1 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
03/28/85 1100	2163 2163	50 F 86	11.7	7.4	--		-- --	-- --	-- --	1.1 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO	7125.01			AMERICAN R A 16TH ST BR						A05R1						
10/10/84 1100	2163 5050	67.5F 42	8.4	7.1	--		-- --	-- --	-- --	-- --	-- --	-- --	1.7 --	-- --	-- --	-- --	-- --
10/10/84 1700	2163 5050	65 F 45	8.9	7.1	--		-- --	-- --	-- --	-- --	-- --	-- --	1.5 --	-- --	-- --	-- --	-- --
10/10/84 2300	2163 5050	65 F 44	9.0	7.1	--		-- --	-- --	-- --	-- --	-- --	-- --	1.A --	-- --	-- --	-- --	-- --
10/11/84 0500	2163 5050	65 F 48	8.7	7.1	--		-- --	-- --	-- --	-- --	-- --	-- --	5.1 --	-- --	-- --	-- --	-- --
10/11/84 1100	2163 5050	66.5F 47	8.2	6.9	--		-- --	-- --	-- --	-- --	-- --	-- --	5.1 --	-- --	-- --	-- --	-- --
	AO	7140.10			AMERICAN R A SACTO WT PLT						A09R1						
10/04/84 1130	5050 5050	19.5C 100	9.1	7.1 6.9	--		-- --	-- 2	-- --	-- --	-- --	-- --	1.2 --	-- --	-- --	-- --	-- --
10/23/84 1045	2163 5050	62 F 47	8.8	7.1	--		-- --	-- --	-- --	2.6 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
11/08/84 1120	5050 5050	16.0C 50	9.3	7.0 6.8	--		-- --	-- 15	-- --	-- --	-- --	-- --	3.2 --	-- --	-- --	-- --	-- --
12/05/84 1120	5050 5050	11.0C 60	11.2	7.3 7.2	--		-- --	-- 5	-- --	-- --	-- --	-- --	1.5 --	-- --	-- --	-- --	-- --
02/13/85 1320	5050 5050	10.0C 57	11.9	7.3 7.1	--		-- --	-- 15	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
02/20/85 1415	2163 5050	61 F 60	11.9	7.6	--		-- --	-- --	-- --	1.1 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
06/15/85 1550	2163 2163	22.2C 65	7.8	7.6	--		-- --	-- --	-- --	1.3 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
09/26/85 1015	2163 5050	20.3C 56	7.4	7.2	--		-- --	-- --	-- --	0.7 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
	AO	7149.01			AMERICAN R AL NE STP AL PL						A05R1						
10/10/84 1100	2163 5050	66 F 60	8.8	7.1	--		-- --	-- --	-- --	-- --	-- --	-- --	1.3 --	-- --	-- --	-- --	-- --
10/10/84 1700	2163 5050	67 F 44	9.6	7.3	--		-- --	-- --	-- --	-- --	-- --	-- --	1.3 --	-- --	-- --	-- --	-- --
10/10/84 2300	2163 5050	65 F 44	8.9	7.1	--		-- --	-- --	-- --	-- --	-- --	-- --	1.9 --	-- --	-- --	-- --	-- --
10/11/84 0500	2163 5050	63 F 48	8.1	6.9	--		-- --	-- --	-- --	-- --	-- --	-- --	4.6 --	-- --	-- --	-- --	-- --
10/11/84 1100	2163 5050	64 F 48	8.5	6.9	--		-- --	-- --	-- --	-- --	-- --	-- --	2.4 --	-- --	-- --	-- --	-- --
	AO	7180.00			AMERICAN R AL HIMRUS DM						A05R1						
10/10/84 1100	2163 5050	66.5F 40	8.3	7.C	2250 E --		-- --	-- --	-- --	-- --	-- --	-- --	1.2 --	-- --	-- --	-- --	-- --
10/10/84 1700	5050 5050	66 F 41	8.3	7.1	2250 E --		-- --	-- --	-- --	-- --	-- --	-- --	1.1 --	-- --	-- --	-- --	-- --
10/10/84 2300	2163 5050	66 F 40	8.7	7.1	1750 --		-- --	-- --	-- --	-- --	-- --	-- --	1.1 --	-- --	-- --	-- --	-- --
10/11/84 0500	2163 5050	66 F 41	8.9	7.1	1500 E --		-- --	-- --	-- --	-- --	-- --	-- --	1.2 --	-- --	-- --	-- --	-- --

TABLE C-3 (CONTINUED)

MISCELLANEOUS ANALYSES OF SURFACE WATER

SET 5

DATE TIME	SAMP LAB	TEMP EC	DO G.H.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	D+G COLOR	AL/L MG/L	ADD SUS S	CDD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOR	BROMIDE SULFATE	T SULF O SULF	CC EXT CA EXT
		40	7180.00		AMERICAN R BL MIMAUS DM						40581 CONTINUED						
10/11/84 1100	2163 5050	66 F 40	8.8	7.1	1500 E --		-- --	-- --	-- --	-- --	-- --	-- --	1.2 --	-- --	-- --	-- --	-- --
		A1	1020.00		PIT R NR MONTGOMERY C						42040						
11/28/84 0900	5050 5050	7.5C 14M	11.5	7.3	--		-- --	-- --	-- --	1.2 R --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
05/08/85 0850	5050 5050	14.5C			--		-- --	-- --	-- --	1.7 R --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
09/11/85 0915	5050 5050	16.0C 143	9.6	7.7	--		-- --	-- --	-- --	1.9 B --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		A7	5250.10		RUBICON R A ELLICOTT RD						A06C3						
05/30/85 1045	2163 5050	53 F 57	8.9	7.1	200 E --		-- --	-- --	-- --	0.6 B --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		B0	1175.01		COSUMNES R A OILLARD RD						B0342						
10/04/84 1025	5050 5050	21.0C 90	9.0	7.4 7.2	--		-- --	-- 2	-- --	-- --	-- --	-- --	1.5 --	-- --	-- --	-- --	-- --
11/05/84 1015	5050 5050	13.5C 60	10.2	7.2 7.0	--		-- --	-- 25	-- --	-- --	-- --	-- --	2.5 --	-- --	-- --	-- --	-- --
12/05/84 1040	5050 5050	10.5C 135	11.3	7.3 7.5	--		-- --	-- 8	-- --	-- --	-- --	-- --	2.2 --	-- --	-- --	-- --	-- --
		B0	2105.20		MOKELUMNE R A LOWER SACTO.RD						B03B0						
10/04/84 0915	5050 5050	17.5C 45	9.4	7.2 7.2	--		-- --	-- 2	-- --	-- --	-- --	-- --	1.6 --	-- --	-- --	-- --	-- --
11/05/84 0923	5050 5050	16.0C 42	9.6	7.0 7.0	--		-- --	-- 8	-- --	-- --	-- --	-- --	2.3 --	-- --	-- --	-- --	-- --
12/05/84 0945	5050 5050	12.0C 60	10.9	7.2 7.0	--		-- --	-- 5	-- --	-- --	-- --	-- --	1.9 --	-- --	-- --	-- --	-- --
		B0	2590.00		CALAVERAS R NR JENNY LIND						B03C0						
04/18/85 1015	2163 5050	51.5F 185	11.4	8.0	--		-- --	-- --	-- --	2.5 A --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		B0	7020.00		SAN JOAQUIN R NR VERNALIS						BC100						
10/25/84 0810	5050 5050	15.5C 380	7.9	7.4 7.7	--		-- --	-- 12	-- --	-- --	-- --	-- --	3.9 --	-- --	-- --	-- --	-- --
11/29/84 0940	5050 5050	11.5C 380	9.2	7.1 7.6	--		-- --	-- 25	-- --	-- --	-- --	-- --	4.4 --	-- --	-- --	-- --	-- --
12/12/84 0830	5050 5050	11.0C 380	9.2	7.3 7.6	--		-- --	-- 12	-- --	-- --	-- --	-- --	3.6 --	-- --	-- --	-- --	-- --
02/22/85 1310	5050 5050	54 F 585	6.4	7.4 7.7	--		-- --	-- 20	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
02/27/85 0815	5050 5050	12.5C 590	9.6	7.4 7.2	--		-- --	-- 25	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		B1	1150.00		COSUMNES R A MICHIGAN BAR						BC4A1						
10/23/84 0950	2163 5040	57 F 75	9.1 2.43	7.1	--		-- --	-- --	-- --	0.7 R --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
08/15/85 1500	2163 2163	28.7C 150	5.5 1.73	6.9	--		-- --	-- --	-- --	6.4 R --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
09/26/85 0840	2163 5050	21.6C 95	7.1 1.93	7.9	--		-- --	-- --	-- --	0.3 B --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		B9	C 749.0	133.6	DELTA MENDOTA C4 A LINDEMAN RD						B0100						
10/25/84 1000	5050 5050	16.0C 260	9.8	7.8 7.5	--		-- --	-- 20	-- --	-- --	-- --	-- --	3.3 --	-- --	-- --	-- --	-- --
11/29/84 1215	5050 5050	11.0C 320	10.2	7.4 7.6	--		-- --	-- 25	-- --	-- --	-- --	-- --	-- 4.1	-- --	-- --	-- --	-- --
12/12/84 1015	5050 5050	11.5C 310	9.3	7.2 7.3	--		-- --	-- 25	-- --	-- --	-- --	-- --	4.9 --	-- --	-- --	-- --	-- --
02/27/85 1015	5050 5050	13.0C 325	9.9	7.4 7.4	--		-- --	-- 35	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		B9	D 753.5	129.3	MIDDLE R A BORDEN HWY						BC100						
02/06/85 0830	5050 5050	6.5C 390	11.2	7.3 7.7	--		-- --	-- 25	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
		B9	D 758.4	134.8	ROCK SL A OLD RIVER						BC100						
10/25/84 1130	5050 5050	17.0C 280	10.9	8.0 7.6	--		-- --	-- 12	-- --	-- --	-- --	-- --	3.2 --	-- --	-- --	-- --	-- --
11/29/84 1330	5050 5050	12.0C 190	10.5	7.4 7.4	--		-- --	-- 30	-- --	-- --	-- --	-- --	3.7 --	-- --	-- --	-- --	-- --
12/12/84 1145	5050 5050	11.0C 280	9.7	7.3 7.4	--		-- --	-- 30	-- --	-- --	-- --	-- --	4.4 --	-- --	-- --	-- --	-- --
02/27/85 1145	5050 5050	14.0C 260	10.3	7.5 7.6	--		-- --	-- 25	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --

TABLE C-3 (CONTINUED)

MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	OD G.H.	F-PH L-PH	DISCH MGS	DEPTH TURB	TOL CHLOR	O+G COLOR	SET S PL/L PG/L	AOM SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODINE T DOOR	BROMINE SULFITE	T SULF D SULF	CC EXT CA EXT
		89 D 803.6 127.5			HONKER CUT A ATHERTON RD RD						40100						
10/04/84	5050	18.5C	8.8	7.3			--	--	--	--	--	--	1.8	--	--	--	--
0750	5050	130		7.4	--		--	5	--	--	--	--	--	--	--	--	--
12/05/84	5050	10.5C	9.8	7.2			--	--	--	--	--	--	5.0	--	--	--	--
0850	5050	200		7.6	--		--	35	--	--	--	--	--	--	--	--	--
		89 D 803.6 130.0			LITTLE CONNECTION EMPIRE ATHERTON						40100						
02/06/85	5050	7.0C	11.2	7.4			--	--	--	--	--	--	--	--	--	--	--
0845	5050	265		7.8	--		--	15	--	--	--	--	--	--	--	--	--
		89 D 814.6 139.5			MINER SLU A RYDE ISL SCH HWY						40100						
10/24/84	5050	59 F	9.5	7.6			--	--	--	--	--	--	--	--	--	--	--
1215	5050	146			--		--	--	--	8 5	--	--	--	--	--	--	--
01/25/85	5050	45 F	10.6	7.4			--	--	--	--	--	--	--	--	--	--	--
1330	5050	204			--		--	--	--	13 5	--	--	--	--	--	--	--
04/11/85	5050	63 F	9.0	7.6			--	--	--	--	--	--	--	--	--	--	--
0900	5050	187			--		--	--	--	11 5	--	--	--	--	--	--	--
07/29/85	5050	21.5C	7.7	7.6			--	--	--	--	--	--	--	--	--	--	--
1230	5050	165			--		--	--	--	18 5	--	--	--	--	--	--	--
		89 D 815.8 146.2			LINDSAY SLU A HASTINGS CUT						40100						
10/11/84	5050	19.5C	8.0	7.8			--	--	--	--	--	--	5.6	--	--	--	--
0950	5050	360		7.9	--		--	50	--	--	--	--	--	--	--	--	--
10/24/84	5050	58 F	8.6	7.8			--	--	--	--	--	--	--	--	--	--	--
0945	5050	402			--		--	--	--	63 5	--	--	--	--	--	--	--
11/15/84	5050	12.5C	8.6	7.5			--	--	--	--	--	--	4.7	--	--	--	--
1045	5050	360		7.8	--		--	25	--	--	--	--	--	--	--	--	--
11/16/84	5050	54 F	8.8	7.6			--	--	--	--	--	--	--	--	--	--	--
1200	5050	360			--		--	--	--	19 5	--	--	--	--	--	--	--
12/05/84	5050	10.5C	7.8	7.4			--	--	--	--	--	--	--	--	--	--	--
1045	5050	440			--		--	--	--	69 5	--	--	--	--	--	--	--
12/06/84	5050	11.0C	8.3	7.3			--	--	--	--	--	--	9.7	--	--	--	--
1050	5050	450		7.7	--		--	50	--	--	--	--	--	--	--	--	--
01/25/85	5050	43 F	9.2	7.4			--	--	--	--	--	--	--	--	--	--	--
1045	5050	342			--		--	--	--	11 5	--	--	--	--	--	--	--
02/13/85	5050	10.5C	6.7	7.3			--	--	--	--	--	--	--	--	--	--	--
1150	5050	380		6.9	--		--	50	--	--	--	--	--	--	--	--	--
02/22/85	5050	52 F	8.6	7.4			--	--	--	--	--	--	--	--	--	--	--
1030	5050	435			--		--	--	--	48 5	--	--	--	--	--	--	--
03/27/85	5050	50 F	6.2	8.0			--	--	--	--	--	--	--	--	--	--	--
1200	5050	449			--		--	--	--	43 5	--	--	--	--	--	--	--
04/11/85	5050	66 F	9.5	8.0			--	--	--	--	--	--	--	--	--	--	--
1130	5050	510			--		--	--	--	14 5	--	--	--	--	--	--	--
05/17/85	5050	66 F	8.1	8.0			--	--	--	--	--	--	--	--	--	--	--
0930	5050	548			--		--	--	--	95 5	--	--	--	--	--	--	--
07/29/85	5050	20.3C	7.6	8.0			--	--	--	--	--	--	--	--	--	--	--
1010	5050	377			--		--	--	--	124 5	--	--	--	--	--	--	--
08/15/85	5050	18.9C	6.6	8.0			--	--	--	--	--	--	--	--	--	--	--
0745	5050	363			--		--	--	--	18 5	--	0.001	--	--	--	--	--
09/12/85	5050	18.0C	4.8	7.7			--	--	--	--	--	--	--	--	--	--	--
1130	5050	540			--		--	--	--	32 5	--	--	--	--	--	--	--
		89 D 817.8 144.8			CACHE SLU A VALLEJO PUPL						40100						
10/11/84	5050	19.5C	7.8	8.2			--	--	--	--	--	--	6.0	--	--	--	--
0930	5050	550		8.0	--		--	25	--	--	--	--	--	--	--	--	--
10/24/84	5050	58 F	8.2	7.8			--	--	--	--	--	--	--	--	--	--	--
0900	5050	775			--		--	--	--	47 5	--	--	--	--	--	--	--
11/15/84	5050	12.5C	7.7	7.4			--	--	--	--	--	--	9.0	--	--	--	--
1000	5050	520		7.6	--		--	30	--	--	--	--	--	--	--	--	--
11/16/84	5050	54 F	7.6	7.6			--	--	--	--	--	--	--	--	--	--	--
1100	5050	500			--		--	--	--	99 5	--	--	--	--	--	--	--
12/05/84	5050	10.5C	8.6	7.6			--	--	--	--	--	--	--	--	--	--	--
1000	5050	640			--		--	--	--	32 5	--	--	--	--	--	--	--
12/06/84	5050	10.5C	8.8	7.9			--	--	--	--	--	--	8.5	--	--	--	--
0950	5050	715		7.8	--		--	50	--	--	--	--	--	--	--	--	--
01/25/85	5050	45 F	10.8	8.4			--	--	--	--	--	--	--	--	--	--	--
1200	5050	1001			--		--	--	--	35 5	--	--	--	--	--	--	--
03/27/85	5050	50 F	9.5	7.6			--	--	--	--	--	--	--	--	--	--	--
1030	5050	257			--		--	--	--	301 5	--	--	--	--	--	--	--
04/11/85	5050	66 F	9.5	8.4			--	--	--	--	--	--	--	--	--	--	--
1305	5050	1025			--		--	--	--	42 5	--	--	--	--	--	--	--
05/17/85	5050	65 F	7.9	8.4			--	--	--	--	--	--	--	--	--	--	--
1015	5050	549			--		--	--	--	71 5	--	--	--	--	--	--	--
07/29/85	5050	19.5C	6.0	8.2			--	--	--	--	--	--	--	--	--	--	--
0910	5050	584			--		--	--	--	102 5	--	--	--	--	--	--	--

TABLE C-3 (CONTINUED)

MISCELLANEOUS ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.H.	F-PH L-PH	DISCH MGAS	DEPTH TURB	T+L CHLOR	O+G COLOR	SET S ML/L MG/L	BOD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE I DOOR	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
		89 D R20.7 132.7			SACRAMENTO R A GREENS LNG						6C100						
10/04/84	5050	17.5C	9.0	7.4			--	--	--	--	--	--	1.6	--	--	--	--
0620	5050	180		7.6	--		--	5	--	--	--	--	--	--	--	--	--
11/08/84	5050	14.0C	9.7	7.3			--	--	--	--	--	--	2.1	--	--	--	--
0620	5050	160		7.4	--		--	8	--	--	--	--	--	--	--	--	--
12/05/84	5050	10.5C	10.9	7.4			--	--	--	--	--	--	2.6	--	--	--	--
0745	5050	200		7.4	--		--	15	--	--	--	--	--	--	--	--	--
02/06/85	5050	8.0C	12.1	7.5			--	--	--	--	--	--	--	--	--	--	--
1130	5050	175		7.9	--		--	10	--	--	--	--	--	--	--	--	--
		89 V R03.6 129.9			AG-OR W-ED EMPIRE T S-S1 ATHERTON						R0100						
02/06/85	5050	6.0C	9.8	7.3			--	--	--	--	--	--	--	--	--	--	--
0905	5050	250G		7.5	--		--	25	--	--	--	--	--	--	--	--	--
		89 V R13.2 139.7			AFRI-OR GRAND IS NR WALKER LNOR						40100						
02/06/85	5050	11.5C	7.5	7.1			--	--	--	--	--	--	--	--	--	--	--
1030	5050	550		7.6	--		--	25	--	--	--	--	--	--	--	--	--
		G7 1665.00			TRUCKFE R A TAHOE CTY						F0680						
10/18/84	2163	48 F	7.7	7.1			--	--	--	0.4 R	--	--	--	--	--	--	--
1000	5050	92	2.16		--		--	--	--	--	--	--	--	--	--	--	--
08/14/85	2163	19.8C	6.6	7.2			--	--	--	0.6 R	--	--	--	--	--	--	--
1340	2163	108	4.11		--		--	--	--	--	--	--	--	--	--	--	--
09/18/85	2163	11.2C	6.8	7.4			--	--	--	0.6 R	--	--	--	--	--	--	--
0845	5050	110	3.08		--		--	--	--	--	--	--	--	--	--	--	--
		G8 3420.20			CARSON R E F A HWY 4						GC340						
10/31/84	2163	37 F	11.8	7.5	100 E		--	--	--	1.1 R	--	--	--	--	--	--	--
0910	5050	112			--		--	--	--	--	--	--	--	--	--	--	--
08/14/85	2163	12.6C	7.4	8.0			--	--	--	2.3 R	--	--	--	--	--	--	--
0745	2163	132			--		--	--	--	--	--	--	--	--	--	--	--
09/17/85	2163	13.8C	7.7	8.2			--	--	--	0.6 R	--	--	--	--	--	--	--
1330	5050	130			--		--	--	--	--	--	--	--	--	--	--	--
		G9 3200.00			WALKER R,E, NR BRIDGEPORT						G0140						
10/30/84	2163	44 F	9.1	8.6	31		--	--	--	2.7 R	--	--	--	--	--	--	--
1620	5050	153	0.52		--		--	--	--	--	--	--	--	--	--	--	--
08/14/85	2163	18.7C	5.5	8.6			--	--	--	1.8 R	--	--	--	--	--	--	--
0945	2163	179			--		--	--	--	--	--	--	--	--	--	--	--
09/17/85	2163	13.6C	7.0	7.9	93.4		--	--	--	2.3 R	--	--	--	--	--	--	--
1100	5050	210	0.88		--		--	--	--	--	--	--	--	--	--	--	--

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TABLE C-4
NUTRIENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

2163	-	California Department of Water Resources for the State Water Resources Control Board
5050	-	California Department of Water Resources
8000	-	University of Nevada, Desert Research Institute Laboratory

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
GH	-	Instantaneous gage height, in feet, above an established datum
Q	-	Instantaneous discharge in cubic feet per second
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
Depth	-	Depth, in feet, when measurement was taken
F EC	-	Field determination of electrical conductance in microsiemens at 25°C
F PH	-	Field determination of acidity or alkalinity
TURB	-	Jackson turbidity units measured with a Hach nephelometer, (A); if in the field, (F)
F-C02	-	Field determination of carbon dioxide in milligrams per liter
P ALK	-	Field determination of alkalinity (Phenol)
T ALK	-	Field determination of alkalinity (Total)

(Nitrogen Series as N)

D N02+N03	-	Dissolved nitrite and nitrate
D N02	-	Dissolved nitrite
D NO3	-	Dissolved nitrate
D ORG N	-	Dissolved organic nitrogen
T ORG N	-	Total organic nitrogen
D NH 3	-	Dissolved ammonia
T NH 3	-	Total ammonia
T (NH3+ORG N)	-	Total ammonia plus organic nitrogen

(Phosphorus Series as P)

DIS.A.H.P04	-	Dissolved acid hydrolyzable phosphate
D O-P04	-	Dissolved orthophosphate
T O-P04	-	Total orthophosphate
D TOT P	-	Dissolved total phosphorus
T TOT P	-	Total phosphorus

TABLE C-4

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	O NO2 + NO3	O NO2 O NO3	CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	O NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
	AN 0010.00			ANTELOPE LK NR DM					A11EA					
04/25/85	5050	2.74	50.0F	85		0	--	--	--	0.00		--	0.00	--
0930	8000		1	7.2		35		0.00	0.4	--	--		--	0.02
04/25/85	5050	2.74	45.0F	78		0	0.00	--	--	0.00		--	0.00	--
0945	8000		20	7.0		20		--	0.5	--	--		--	0.03
	AO 2170.00			SACRAMENTO R A FREMONT WEIR W END					A02R0					
10/25/84	5050		58 F	176			0.14	--	--	0.02		--	0.02	--
1330	5090			7.6				--	--	--	0.3		--	0.04
12/20/84	5050	24.01	48 F				0.19	--	--	0.02		--	0.02	--
1400	5050			7.3				--	--	--	0.0		--	0.12
02/19/85	5050		55 F	212			0.20	--	--	0.01		--	0.02	--
1230	5050			7.8				--	--	--	0.1		--	0.05
04/26/85	5050		63.7F	177			0.10	--	--	0.02		--	0.02	--
1345	5050			7.8				--	--	--	0.3		--	0.06
06/26/85	5050		73.0F	212			0.07	--	--	0.02		--	0.02	--
1250	5050			7.8				--	--	--	0.4		--	0.08
08/15/85	5050	15.75	20.7C	199			0.08	--	--	0.02		--	0.03	--
0945	5050			8.0				--	--	--	0.3		--	0.08
	AO 2230.02			SACRAMENTO R AR COLUSA BASIN DR					AC7A0					
05/29/85	5050		19.0C	184	8AF		0.02	--	--	--		--	0.01	--
1125	5050			7.8				--	--	--	0.4		--	0.05
	AO 2630.00			SACRAMENTO R A HAMILTON CITY					A13R0					
05/29/85	5050	29.31	15.0C	146	7AF		0.05	--	--	--		--	0.00	--
0745	5050			7.6				--	--	--	0.4		--	0.03
	AO 2759.00			TEHAMA COLUSA CANAL NR RED BLUFF					A13R0					
05/22/85	5050		14.8C	132	3AF		0.05	--	--	--		--	0.01	--
1215	5050	1403						--	--	--	0.1		--	0.03
	AO 2785.00			SACRAMENTO R A RENO RR					A17A0					
05/23/85	5050	18.98	14.0C	137	3AF		0.06	--	--	--		--	0.01	--
0655	5050			7.5				--	--	--	0.2		--	0.03
	AO 2926.00			R-D 1500 OR SLU TO SAC SLU NR KARNAK					A07A0					
06/26/85	5050		25.0C	466	19AF		0.13	--	--	--		--	0.05	--
1050	5050			7.6				--	--	--	0.6		--	0.18
	AO 2927.00			SUTTER BP A R-D 1500 BP A KARNAK					A07A0					
02/25/85	5050	15.23	15.0C	406			0.12	--	--	--		--	0.03	--
1240	5050			8.0				--	--	--	0.4		--	0.12
	AO 2947.10			COLUSA BAS DR NR KNIGHTS LDG					A07R1					
04/29/85	5050		19.5C	402	82AF		0.44	--	--	--		--	0.09	--
1045	5050			7.9				--	--	--	0.6		--	0.18
	AO 2955.00			R-D 787 DRAINAGE TO SACRAMENTO R					A07A0					
08/28/85	5050		23.5C	590	27AF		0.02	--	--	--		--	0.07	--
1210	5050			7.4				--	--	--	0.9		--	0.16
	AO 2965.00			RD 70 DR TO SACRAMENTO R					A07A0					
05/29/85	5050		17.0C	328	50AF		0.20	--	--	--		--	0.06	--
1010	5050			7.7				--	--	--	0.0		--	0.15
	AO 2972.00			BUTTE SLU NR MERIDIAN					A07C0					
08/28/85	5050	45.28	23.0C	274	7AF		0.04	--	--	--		--	0.04	--
0920	5050			7.2				--	--	--	0.6		--	0.09
	AO 3500.00			THOMES C A PASKENTA					A13R0					
05/22/85	5050	2.67	26.2C	185	5AF		0.01	--	--	--		--	0.00	--
1535	5050			8.2				--	--	--	0.1		--	0.01
	AO 4420.50			MILL C NR RD NR LOS MOLINOS					A13R0					
06/24/85	5050		21.0C	196	2AF		0.04	--	--	--		--	0.01	--
0735	5050			7.3				--	--	--	0.7		--	0.02
	AO 5103.00			FEATHER R A NICOLAUS					A05R2					
10/25/84	5050		63 F	90			0.04	--	--	0.02		--	0.01	--
1200	5050			7.4				--	--	--	0.1		--	0.03
12/20/84	5050	24.60	48 F				0.07	--	--	0.01		--	0.01	--
1230	5050			7.3				--	--	--	0.3		--	0.02
02/19/85	5050		53 F	103			0.08	--	--	0.01		--	0.01	--
1130	5050			7.4				--	--	--	0.0		--	0.08
04/26/85	5050		64.5F	99			0.04	--	--	0.02		--	0.01	--
1215	5050			7.6				--	--	--	0.4		--	0.05
06/26/85	5050	21.55	73.0F	111			0.03	--	--	0.01		--	0.01	--
1100	5050			7.8				--	--	--	0.4		--	0.04
08/15/85	5050		21.8C	105			0.01	--	--	0.01		--	0.00	--
1100	5050			7.8				--	--	--	0.3		--	0.03

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	O NO2 + NO3	O NO2 O NO3	CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	O NH3 T NH3	T NH3 + ORG N	NTS A.H.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
AO 5910.00				SUTTER BP STATE PP NO1 NR NICOLAUS						A07CO				
08/29/85	5050		19.5C	138	10AF		0.01	--	--	--		--	0.02	--
0850	5050			6.8				--	--	--	0.6		--	0.04
AO 5920.00				SUTTER BP STATE PP NO2 NR TISCALE						A07CO				
06/27/85	5050		23.0C	326	10AF		0.18	--	--	--		--	0.06	--
0825	5050			7.6				--	--	--	0.8		--	0.15
AO 5927.00				WADSWORTH CA NR SUTTER LO STA						A07CO				
08/29/85	5050	38.33	21.0C	271	8AF		0.20	--	--	--		--	0.06	--
0945	5050			7.4				--	--	--	0.5		--	0.12
AO 6150.00				YUBA R NR MARYSVILLE						A08CO				
10/25/84	2163	60.01	53 F	80			0.02	--	--	--		--	0.00	--
1000	5050			7.1				--	--	--	--		--	--
08/15/85	2163		18.1C	102			0.00	--	--	--		--	0.00	--
1255	2163			7.6				--	--	--	--		--	--
AO 6550.00				BEAR R NR WHEATLAND						A0RAO				
10/25/84	2163		63 F	84			0.02	--	--	--		--	0.00	--
1055	5050			7.3				--	--	--	--		--	--
03/28/85	2163		50 F	86			0.12	--	--	--		--	0.01	--
1100	2163			7.4				--	--	--	--		--	--
AO 7125.01				AMERICAN R A 16TH ST BR						A05R1				
10/10/84	2163		67.5F	42			0.00	--	--	0.01		--	0.01	0.01
1100	5050			7.1				--	--	--	0.10		--	0.01
10/10/84	2163		65 F	45			0.02	--	--	0.01		--	0.00	0.00
1700	5050			7.1				--	--	--	0.17		--	0.01
10/10/84	2163		65 F	44			0.01	--	--	0.01		--	0.01	0.01
2300	5050			7.1				--	--	--	0.14		--	0.02
10/11/84	2163		65 F	46			0.11	--	--	0.09		--	0.04	0.05
0500	5050			7.1				--	--	--	0.54		--	0.08
10/11/84	2163		66.5F	47			0.15	--	--	0.08		--	0.04	0.05
1100	5050			6.9				--	--	--	0.57		--	0.08
AO 7140.10				AMERICAN R A SACTO VT PLT						A05R1				
10/23/84	2163		62 F	47			0.02	--	--	--		--	0.00	--
1045	5050			7.1				--	--	--	--		--	--
02/20/85	2163		61 F	60			0.04	--	--	--		--	0.00	--
1415	5050			7.6				--	--	--	--		--	--
08/15/85	2163		22.2C	65			0.00	--	--	--		--	0.00	--
1550	2163			7.6				--	--	--	--		--	--
09/26/85	2163		20.3C	56			0.01	--	--	--		--	0.00	--
1015	5050			7.2				--	--	--	--		--	--
AO 7149.01				AMERICAN R RL NE STP RL PL						A05R1				
10/10/84	2163		66 F	60			0.00	--	--	0.01		--	0.00	0.01
1100	5050			7.1				--	--	--	0.10		--	0.01
10/10/84	2163		67 F	44			0.00	--	--	0.01		--	0.00	0.00
1700	5050			7.3				--	--	--	0.21		--	0.01
10/10/84	2163		65 F	44			0.12	--	--	0.03		--	0.01	0.02
2300	5050			7.1				--	--	--	0.71		--	0.05
10/11/84	2163		63 F	48			0.02	--	--	0.06		--	0.04	0.05
0500	5050			6.9				--	--	--	0.43		--	0.08
10/11/84	2163		64 F	48			0.05	--	--	0.02		--	0.02	0.02
1100	5050			6.9				--	--	--	0.21		--	0.03
AO 7180.00				AMERICAN R RL NIMBUS DM						A05R1				
10/10/84	2163		66.5F	40			0.00	--	--	0.01		--	0.01	0.01
1100	5050	2250 E		7.0				--	--	--	0.09		--	0.01
10/10/84	2163		66 F	41			0.01	--	--	0.01		--	0.01	0.01
1700	5050	2250 F		7.1				--	--	--	0.09		--	0.01
10/10/84	2163		66 F	40			0.00	--	--	0.01		--	0.01	0.01
2300	5050	1750		7.1				--	--	--	0.05		--	0.01
10/11/84	2163		66 F	41			0.00	--	--	0.00		--	0.00	0.01
0500	5050	1500 E		7.1				--	--	--	0.09		--	0.01
10/11/84	2163		66 F	40			0.00	--	--	0.00		--	0.00	0.00
1100	5050	1500 E		7.1				--	--	--	0.08		--	0.00
A1 L 101.3 139.9				LK BRITTON A FY XING						A23R1				
05/23/85	5050		19.6C	146	2AF		0.01	--	--	0.01		--	0.02	--
1530	5050		0	8.1				--	--	--	0.1		--	0.07
05/23/85	5050		10.0C	148	5AF		0.29	--	--	0.02		--	0.08	--
1530	5050		59	7.2				--	--	--	0.1		--	0.12
09/20/85	5050		16.0C	167	3AF		0.04	--	--	0.01		--	0.02	--
1145	5050		0	8.2				--	--	--	0.2		--	0.06
09/20/85	5050		11.5C	145	3AF		0.08	--	--	0.08		--	0.02	--
1145	5050		79	7.6				--	--	--	0.2		--	0.06

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.W.O.D.	D O-PO4 T O-PO4	D TOT P T TOT P
		A1 R 102.8 159.1		IRON CH RES						A2343				
05/23/85	5050		17.1C	86	3AF		0.00	--	--	0.00		--	0.00	--
1030	5050		0	7.4				--	--	--	0.0		--	0.02
05/23/85	5050		11.5C	88	1AF		0.00	--	--	0.01		--	0.00	--
1030	5050		95	7.6				--	--	--	0.0		--	0.02
09/20/85	5050		12.5C	94	1AF		0.01	--	--	0.00		--	0.00	--
0915	5050		0	7.7				--	--	--	0.0		--	0.03
09/20/85	5050		10.0C	93	2AF		0.01	--	--	0.00		--	0.00	--
0915	5050		72	7.6				--	--	--	0.0		--	0.04
		A1 1020.00		PIT R NR MONTGOMERY C						A2080				
11/28/84	5050		7.5C	145	9AF		0.11	--	--	--		--	0.03	--
0900	5050			7.3				--	--	--	--		--	--
05/08/85	5050		14.5C	155	5AF		0.08	--	--	--		--	0.04	--
0850	5050			8.1				--	--	--	0.6		--	0.08
		A1 4400.00		PIT R SF NR LIKELY						A23E2				
09/18/85	5050	2.11	13.0C	120	91AF		0.01	--	--	--		--	0.04	--
1315	5050			8.2				--	--	--	0.7		--	0.06
		A2 L 043.2 225.0		SHASTA LK A DAM						A20A0				
10/24/84	5050		16.4C		1AF		0.03	--	--	0.01		--	0.02	--
0930	5050		0	7.4				--	--	--	0.1		--	0.02
10/24/84	5050				7AF		0.16	--	--	0.01		--	0.02	--
0930	5050		426	7.0				--	--	--	0.1		--	0.04
05/24/85	5050		21.0C	115	1AF		0.01	--	--	0.01		--	0.00	--
0850	5050		0	7.9				--	--	--	0.0		--	0.00
05/24/85	5050		8.3C	132	2AF		0.14	--	--	0.01		--	0.01	--
0850	5050		443	7.3				--	--	--	0.1		--	0.03
09/17/85	5050		20.3C	132	1AF		0.00	--	--	0.01		--	0.00	--
0800	5050		0	7.6				--	--	--	0.1		--	0.02
09/17/85	5050		46.0F	137	2AF		0.14	--	--	0.02		--	0.01	--
0800	5050		364	7.0				--	--	--	0.1		--	0.04
		A2 L 044.3 227.3		SHASTA LK A LITTLE SQUAW C INLET						A20A0				
10/18/84	5050		17.0C	126	1AF		0.01	--	--	0.04		--	0.00	--
1100	5050		0	7.3				--	--	--	0.0		--	0.02
10/18/84	5050		17.5C	125	1AF		0.01	--	--	0.00		--	0.00	--
1100	5050		79	7.3				--	--	--	0.0		--	0.02
		A2 L 044.9 212.1		SHASTA LK PIT R AB JONES VALLEY						A20A0				
10/15/84	5050		9.5C	142	6AF		0.18	--	--	0.08		--	0.02	--
0830	5050		230	6.8				--	--	--	0.2		--	0.05
10/15/84	5050		17.7C	129	2AF		0.08	--	--	0.01		--	0.01	--
0845	5050		0	7.3				--	--	--	0.1		--	0.02
		A2 L 045.4 225.5		SHASTA LK LITTLE BACKBONE C INLET						A20A0				
10/17/54	5050		15.5C	124	2AF		0.08	--	--	0.00		--	0.02	--
1100	5050		98	7.1				--	--	--	0.0		--	0.02
10/17/84	5050		17.0C	124	1AF		0.02	--	--	0.00		--	0.01	--
1100	5050		0	7.3				--	--	--	0.0		--	0.02
		A2 L 046.4 212.9		SHASTA LK SQUAW C BL ZINC C						A20A0				
10/15/84	5050		17.7C	131	1AF		0.01	--	--	0.01		--	0.00	--
1100	5050		0	7.3				--	--	--	0.1		--	0.02
10/15/84	5050		9.7C	144	3AF		0.20	--	--	0.01		--	0.01	--
1100	5050		226	6.8				--	--	--	0.0		--	0.03
		A2 L 048.4 217.6		SHASTA LK MCCLOUD R ABM						A24A0				
10/17/84	5050		6.0C		7AF		0.18	--	--	0.02		--	0.02	--
0830	5050		298	7.0				--	--	--	0.1		--	0.04
10/17/84	5050		16.9C		1AF		0.02	--	--	0.01		--	0.01	--
0830	5050		0	7.4				--	--	--	0.1		--	0.02
		A2 L 048.5 222.8		SHASTA LK SACRAMENTO R ABM						A24A0				
10/18/84	5050		16.5C		1AF		0.02	--	--	0.01		--	0.01	--
0830	5050		0	7.3				--	--	--	0.1		--	0.07
10/18/84	5050		6.8C		1AF		0.16	--	--	0.01		--	0.02	--
0830	5050		282	6.7				--	--	--	0.1		--	0.03
		A2 L 116.8 219.7		LK SISKIYOU NP MT SHASTA						A21B2				
05/22/85	5050		17.0C	90	1AF		0.00	--	--	0.00		--	0.00	--
1645	5050		0	7.5				--	--	--	0.1		--	0.01
05/22/85	5050		7.0C	103	2AF		0.01	--	--	0.04		--	0.00	--
1645	5050		161	7.3				--	--	--	0.1		--	0.01
09/19/85	5050		16.8C	127	1AF		0.01	--	--	0.00		--	0.00	--
1440	5050		0	7.8				--	--	--	0.1		--	0.02
09/19/85	5050		7.4C	107	2AF		0.14	--	--	0.01		--	0.01	--
1440	5050		164	7.0				--	--	--	0.0		--	0.03

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F EC F PH	THRS F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
		A2 R 107.9 204.2		MCCLOUD RES A DM					A2243					
05/23/85	5050		15.2C	92	1AF		0.00	--	--	0.01		--	0.00	--
0815	5050		0	7.9				--	--	--	0.0		--	0.02
05/23/85	5050		7.9C	87	1AF		0.07	--	--	0.02		--	0.01	--
0815	5050		115	7.3				--	--	--	0.0		--	0.03
09/20/85	5050		10.6C	97	2AF		0.01	--	--	0.00		--	0.00	--
0715	5050		0	7.9				--	--	--	0.0		--	0.03
09/20/85	5050		7.8C	91	1AF		0.06	--	--	0.01		--	0.02	--
0715	5050		14A	7.2				--	--	--	C.0		--	0.04
		A2 1300.00		SACRAMENTO R A DELTA					A2080					
06/13/85	5050	4.14	19.0C	128	2AF		0.02	--	--	--		--	0.00	--
0845	5050	305		8.2				--	--	--	0.4		--	0.01
		A2 2150.00		MCCLOUD R AB SHASTA LK					A2241					
10/23/84	5050		11.0C	205	2AF		0.02	--	--	--		--	0.00	--
0830	5050			8.0				--	--	--	0.3		--	0.00
06/13/85	5050		17.0C	117	2AF		0.01	--	--	--		--	0.00	--
0745				7.9				--	--	--	0.9		--	0.01
		A2 4100.00		SOUAW C AB SHASTA LK					A2280					
10/24/84	5050		47.5F	199	1AF		0.00	--	--	0.01		--	0.00	--
1100	5050			7.3				--	--	--	0.0		--	0.02
		A3 R 036.1 232.4		WHISKEYTOWN RES A DM					A1983					
05/21/85	5050		17.0C	81	1AF		0.00	--	--	0.00		--	0.00	--
0830	5050		0	7.4				--	--	--	0.0		--	0.00
05/21/85	5050		8.5C	80	2AF		0.01	--	--	0.01		--	0.00	--
0830	5050		164	7.2				--	--	--	0.0		--	0.01
09/23/85	5050		17.8C	87	2AF		0.00	--	--	0.01		--	0.00	--
0830	5050		0	7.4				--	--	--	0.0		--	0.01
09/23/85	5050		9.8C	84	2AF		0.03	--	--	0.00		--	0.00	--
0800	5050		203	6.9				--	--	--	0.0		--	0.01
		A3 1110.00		STONY C NL BLACK BUTTE DM NR ORLAND					A1340					
05/22/85	5050	2.99	22.0C	320	33AF		0.02	--	--	--		--	0.00	--
1405	5050			8.1				--	--	--	0.2		--	0.03
09/13/85	5050	3.30	20.0C	382	71AF		0.00	--	--	--		--	0.00	--
0840	5050			8.1				--	--	--	0.4		--	0.08
		A3 1253.00		STONY C AB GRINDSTONE C					A1481					
11/19/84	5050		9.5C	191	32AF		0.04	--	--	--		--	0.02	--
1030	5050	140 F		7.6				--	--	--	0.2		--	0.05
05/22/85	5050		21.5C	299	154F		0.01	--	--	--		--	0.00	--
1455	5050	100 E		8.4				--	--	--	0.2		--	0.02
09/13/85	5050		19.0C	393	34F		0.07	--	--	--		--	0.00	--
0930	5050	5 E		8.3				--	--	--	0.4		--	0.04
		A3 1302.00		GRINDSTONE C NR ELK C					A1481					
03/19/85	5050		14.0C	248	9AF		0.03	--	--	--		--	0.00	--
1120	5050	40 E		8.0				--	--	--	0.1		--	0.04
		A7 5250.10		RUBICON R A ELLICOTT RD					A0603					
05/30/85	2163		53 F	57			0.02	--	--	--		--	0.00	--
1049	5050	200 E		7.1				--	--	--	--		--	--
		A8 L 857.9 240.6		CLEAR LK LO ARM CL3					A0402					
10/23/84	5050		14.4C	230			0.03	--	--	0.01		--	0.00	--
1100	5050		0	7.9				--	--	--	0.6		--	0.04
10/23/84	5050		13.4C	235	9AF		0.02	--	--	0.02		--	0.01	--
1115	5050		30	7.3				--	--	--	1.0		--	0.09
11/20/84	5050		9.2C	255	9AF		0.04	--	--	0.03		--	0.03	--
1415	5050		0	7.3				--	--	--	0.6		--	0.04
11/20/84	5050		9.2C	256	9AF		0.01	--	--	0.03		--	0.01	--
1415	5050		26	7.1				--	--	--	0.6		--	0.06
01/24/85	5050		7.3C	261	4AF		0.02	--	--	0.14		--	0.00	--
1045	5050		0	7.2				--	--	--	0.6		--	0.02
01/24/85	5050		7.3C	261	4AF		0.02	--	--	0.13		--	0.01	--
1045	5050		33	7.1				--	--	--	0.6		--	0.03
02/21/85	5050		7.5C	255	4AF		0.03	--	--	0.06		--	0.00	--
1100	5050		0	7.3				--	--	--	0.4		--	0.03
02/21/85	5050		7.0C	256	5AF		0.03	--	--	0.07		--	0.00	--
1100	5050		33	7.2				--	--	--	0.6		--	0.04
03/19/85	5050		9.4C	252	9AF		0.01	--	--	0.08		--	0.00	--
1100	5050		0	7.2				--	--	--	0.6		--	0.03
03/19/85	5050		4.2C	259	5AF		0.02	--	--	0.12		--	0.00	--
1100	5050		33	7.0				--	--	--	0.7		--	0.04

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	O NO2 + NO3	O NO2 O NO3	CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	O NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
		4A L 857.9 240.6		CLEAR LK LO ARM CL3						A0402 CONTINUED				
04/25/85	5050		15.1C	257	8AF		0.00	—	—	0.00		—	0.00	—
1245	5050		0	7.9				—	—	—	0.9		—	0.05
04/29/85	5050		14.6C	258	11AF		0.00	—	—	0.01		—	0.00	—
1249	5050		30	7.7				—	—	—	0.8		—	0.09
05/30/85	5050		18.8C	252	7AF		0.02	—	—	0.02		—	0.00	—
1050	5050		0	8.1				—	—	—	0.4		—	0.03
05/30/85	5050		18.0C	255	10AF		0.00	—	—	0.00		—	0.00	—
1050	5050		33	7.9				—	—	—	0.5		—	0.06
06/27/85	5050		25.6C	260	2AF		0.00	—	—	0.02		—	0.01	—
1130	5050		0	7.5				—	—	—	0.3		—	0.01
06/27/85	5050		22.6C	268	7AF		0.00	—	—	0.19		—	0.12	—
1130	5050		33	8.8				—	—	—	0.6		—	0.18
07/23/85	5050		26.4C	288	2AF		0.00	—	—	0.00		—	0.01	—
1230	5050		0	8.0				—	—	—	0.4		—	0.02
07/23/85	5050		24.8C	270	2AF		0.00	—	—	0.01		—	0.00	—
1230	5050		30	7.4				—	—	—	0.4		—	0.02
08/28/85	5050		24.5C	273	4AF		0.00	—	—	0.01		—	0.00	—
1000	5050		0	8.1				—	—	—	0.9		—	0.04
08/28/85	5050		23.7C	278	8AF		0.01	—	—	0.11		—	0.00	—
1000	5050		31	7.2				—	—	—	0.8		—	0.07
09/26/85	5050		21.8C	286	3AF		0.01	—	—	0.01		—	0.00	—
0830	5050		0	7.9				—	—	—	0.5		—	0.05
09/26/85	5050		19.9C	290	7AF		0.01	—	—	0.27		—	0.03	—
0830	5050		30	7.1				—	—	—	0.8		—	0.12
		4B L 930.7 241.7		CLEAR LK 23 OAKS ARM CL4						A0402				
10/23/84	5050		14.1C	222	7AF		0.20	—	—	0.06		—	0.01	—
1149	5050		0	8.0				—	—	—	0.9		—	0.09
10/23/84	5050		13.4C	226	8AF		0.21	—	—	0.07		—	0.01	—
1145	5050		39	7.9				—	—	—	0.9		—	0.09
11/20/84	5050		9.0C	245	9AF		0.05	—	—	0.02		—	0.01	—
1330	5050		0	7.8				—	—	—	0.8		—	0.07
11/20/84	5050		9.1C	248	10AF		0.05	—	—	0.02		—	0.01	—
1330	5050		36	7.8				—	—	—	0.7		—	0.05
12/18/84	5050		8.1C	237	7AF		0.02	—	—	0.01		—	0.00	—
1200	5050		0	8.1				—	—	—	0.7		—	0.05
12/18/84	5050		8.1C	240	7AF		0.02	—	—	0.01		—	0.00	—
1200	5050		39	8.0				—	—	—	0.7		—	0.05
01/24/85	5050			242	5AF		0.03	—	—	0.06		—	0.01	—
1130	5050		0	7.3				—	—	—	0.7		—	0.03
01/24/85	5050		7.3C	247	6AF		0.04	—	—	0.09		—	0.01	—
1130	5050		39	7.3				—	—	—	0.5		—	0.03
02/21/85	5050		7.2C	244	5AF		0.06	—	—	0.05		—	0.00	—
1140	5050		0	7.5				—	—	—	0.5		—	0.02
02/21/85	5050		6.8C	244	9AF		0.06	—	—	0.05		—	0.00	—
1140	5050		43	7.4				—	—	—	0.5		—	0.04
03/19/85	5050		9.3C	242	5AF		0.03	—	—	0.03		—	0.00	—
1145	5050		0	7.8				—	—	—	0.5		—	0.02
03/19/85	5050		8.8C	244	5AF		0.03	—	—	0.04		—	0.00	—
1145	5050		39	7.3				—	—	—	0.4		—	0.02
04/25/85	5050		15.5C	246	6AF		0.00	—	—	0.00		—	0.00	—
1320	5050		0	8.2				—	—	—	0.6		—	0.04
04/25/85	5050		14.5C	246	10AF		0.00	—	—	0.01		—	0.00	—
1320	5050		40	7.8				—	—	—	0.5		—	0.04
05/30/85	5050		18.8C	246	7AF		0.00	—	—	0.01		—	0.00	—
1140	5050		0	8.1				—	—	—	0.7		—	0.06
05/30/85	5050		18.0C	246	10AF		0.01	—	—	0.01		—	0.00	—
1140	5050		39	7.9				—	—	—	0.8		—	0.11
06/27/85	5050		25.0C	254	2AF		0.00	—	—	0.02		—	0.01	—
1215	5050		0	7.8				—	—	—	0.3		—	0.01
06/27/85	5050		21.1C	261	8AF		0.02	—	—	0.21		—	0.19	—
1215	5050		39	7.0				—	—	—	0.6		—	0.22
07/23/85	5050		27.0C	258	2AF		0.00	—	—	0.01		—	0.00	—
1415	5050		0	8.5				—	—	—	0.3		—	0.02
07/23/85	5050		23.8C	264	11AF		0.01	—	—	0.28		—	0.07	—
1415	5050		39	8.8				—	—	—	0.8		—	0.21
08/28/85	5050		24.5C	280	10AF		0.00	—	—	0.02		—	0.00	—
1045	5050		0	8.3				—	—	—	1.8		—	0.15
08/28/85	5050		23.0C	272	14AF		0.02	—	—	0.16		—	0.03	—
1045	5050		38	7.9				—	—	—	1.1		—	0.13
09/26/85	5050		22.0C	289	14AF		0.01	—	—	0.02		—	0.00	—
0915	5050		0	8.9				—	—	—	2.1		—	0.22
09/26/85	5050		19.3C	282	7AF		0.19	—	—	0.40		—	0.03	—
0915	5050		36	7.1				—	—	—	0.9		—	0.19

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
AR L 902.7 254.7 1 CLEAR LK A LAKEPORT										A0402				
02/07/85	5050		8.0C	225	8AF		0.14	--	--	--		--	0.01	--
0705	5050			7.2				--	--	--	0.5		--	0.08
AB L 903.8 251.9 CLEAR LK 15-UP ARM CL-1										A0402				
10/23/84	5050		13.0C	218	19AF		0.29	--	--	0.02		--	0.05	--
1015	5050		20	7.9				--	--	--	0.6		--	0.16
10/23/84	5050		14.1C	210	15AF		0.28	--	--	0.04		--	0.04	--
1015	5050		0	7.9				--	--	--	0.6		--	0.14
11/20/84	5050		8.5C	234	10AF		0.12	--	--	0.01		--	0.02	--
1200	5050		20	7.9				--	--	--	0.5		--	0.11
11/20/84	5050		8.5C	229	18AF		0.12	--	--	0.01		--	0.02	--
1200	5050		0	7.9				--	--	--	0.5		--	0.06
12/18/84	5050		7.2C	225	20AF		0.12	--	--	0.02		--	0.01	--
1030	5050		20	7.9				--	--	--	0.5		--	0.03
12/18/84	5050		7.2C	225	19AF		0.12	--	--	0.04		--	0.01	--
1030	5050		0	7.9				--	--	--	1.4		--	0.11
01/24/85	5050			227	26AF		0.12	--	--	0.04		--	0.01	--
1230	5050		26	7.4				--	--	--	0.5		--	0.06
01/24/85	5050			231	11AF		0.11	--	--	0.02		--	0.01	--
1230	5050		0	7.5				--	--	--	0.6		--	0.04
02/21/85	5050			225	11AF		0.14	--	--	0.03		--	0.00	--
1230	5050		23	7.4				--	--	--	0.3		--	0.03
02/21/85	5050			217	10AF		0.14	--	--	0.03		--	0.01	--
1230	5050		0	7.5				--	--	--	0.4		--	0.03
03/19/85	5050			224	8AF		0.10	--	--	0.01		--	0.00	--
1015	5050		20	7.8				--	--	--	0.4		--	0.03
03/19/85	5050			211	8AF		0.11	--	--	0.01		--	0.00	--
1015	5050		0	7.8				--	--	--	0.4		--	0.03
04/25/85	5050			232	6AF		0.01	--	--	0.02		--	0.00	--
1045	5050		0	8.0				--	--	--	0.5		--	0.02
04/25/85	5050			237	6AF		0.01	--	--	0.01		--	0.00	--
1045	5050		30	7.8				--	--	--	0.3		--	0.02
05/30/85	5050			226	9AF		0.00	--	--	0.01		--	0.00	--
1000	5050		0	7.8				--	--	--	0.3		--	0.03
05/30/85	5050			241	10AF		0.00	--	--	0.01		--	0.00	--
1000	5050		23	7.7				--	--	--	0.6		--	0.06
06/27/85	5050		24.6C	245	2AF		0.00	--	--	0.01		--	0.01	--
1000	5050		0	7.5				--	--	--	0.2		--	0.01
06/27/85	5050		22.8C	257	18AF		0.01	--	--	0.11		--	0.04	--
1000	5050		20	7.2				--	--	--	0.5		--	0.07
07/23/85	5050		27.8C	259	2AF		0.00	--	--	0.01		--	0.01	--
1030	5050		0	8.2				--	--	--	0.3		--	0.05
07/23/85	5050		24.7C	267	18AF		0.01	--	--	0.08		--	0.03	--
1030	5050		23	7.6				--	--	--	0.5		--	0.18
08/28/85	5050		25.4C	245	9AF		0.00	--	--	0.07		--	0.06	--
1115	5050		0	8.2				--	--	--	1.0		--	0.18
08/28/85	5050		23.2C	266	9AF		0.02	--	--	0.13		--	0.04	--
1115	5050		16	7.1				--	--	--	0.6		--	0.14
09/26/85	5050		21.9C	269	14AF		0.06	--	--	0.01		--	0.04	--
1000	5050		0	8.3				--	--	--	0.6		--	0.18
09/26/85	5050		19.2C	279	25AF		0.17	--	--	0.07		--	0.06	--
1000	5050		20	7.3				--	--	--	0.6		--	0.19
AR 1250.00 REAR C NR RUMSEY										A0480				
10/25/84	5050	0.51	17.0C	3120	14F		2.5	--	--	--		--	0.00	--
1620	5050			8.7				--	--	--	0.6		--	0.01
08/08/85	5050	0.39	22.0C	3370	1AF		0.00	--	--	--		--	0.00	--
1005	5050			8.8				--	--	--	0.3		--	0.01
AS 1350.0C CACHE C NR LOWER LK										A0401				
10/25/84	5050		18.0C	273	7AF		0.19	--	--	--		--	0.01	--
1405	5050	A		8.0				--	--	--	1.7		--	0.05
02/07/85	5050		6.0C	279	66AF		0.20	--	--	--		--	0.00	--
0750	5050	6 E		7.1				--	--	--	0.7		--	0.02
AR 1500.00 KELSEY C NR KELSEYVILLE										A0404				
10/04/84	5050		18.0C	231	14F		--	--	--	--		--	0.02	--
0820	5050			7.3				0.02	--	--	0.0		--	0.04
11/07/84	5050		10.5C	235	2AF		--	0.00	--	--		--	0.01	--
1400	5050			7.6				0.01	--	--	0.1		--	0.01
12/05/84	5050		8.0C	205	4AF		--	--	--	--		--	0.01	--
0800	5050			7.5				0.07	--	--	0.1		--	0.01
01/07/85	5050			260	2AF		--	--	--	--		--	0.01	--
1100	5050			7.6				0.01	--	--	0.1		--	0.01
02/04/85	5050			290	0AF		--	--	--	--		--	0.01	--
1140	5050			7.8				0.00	--	--	0.3		--	0.01

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. Q	TEMP DEPTH	FIELD F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DTS A.W.BOA	D O-PO4 T O-PO4	D TOT P T TOT P
AB 1500.00				KELSEY C NR KELSEYVILLE					A0404 CONTINUED					
03/07/85	5050		6.0C	262	2AF		--	--	--	--		--	0.01	--
1100	5050			7.6				0.01	--	--	0.1		--	0.02
04/03/85	5050		10.5C	235	2AF		--	--	--	--		--	0.00	--
0730	5050			7.5				0.00	--	--	0.0		--	0.01
05/08/85	5050		18.0C	320	1AF		--	--	--	--		--	0.01	--
1635	5050			7.8				0.00	--	--	0.0		--	0.02
06/04/85	5050		21.5C	310	1AF		--	--	--	--		--	0.01	--
1530	5050			8.0				0.01	--	--	0.1		--	0.02
07/09/85	5050		23.0C	335	1AF		--	--	--	--		--	0.01	--
0955	5050			7.8				0.01	--	--	0.1		--	0.03
08/06/85	5050		26.5C	350	0AF		--	--	--	--		--	0.03	--
1420	5050			7.9				0.02	--	--	0.1		--	0.03
09/03/85	5050		24.0C	332	3AF		--	--	--	--		--	0.02	--
1415	5050			7.6				0.00	--	--	0.0		--	0.03
09/30/85	5050		20.5C	290	1AF		--	--	--	--		--	0.02	--
1400	5050			7.6				0.00	--	--	0.1		--	0.02
AB 5601.00				KELSEY C AR HIGH VLY C					A0404					
10/04/84	5050		13.0C	120	1AF		--	--	--	--		--	0.01	--
0840	5050			7.3				0.02	--	--	0.0		--	0.02
11/06/84	5050		11.0C	140	5AF		--	0.00	--	--		--	0.01	--
1400	5050			7.4				0.00	--	--	0.1		--	0.03
12/04/84	5050		7.0C	135	6AF		--	--	--	--		--	0.01	--
1145	5050			7.4				0.09	--	--	0.1		--	0.01
01/07/85	5050		6.5C	175	25AF		--	--	--	--		--	0.01	--
1300	5050			7.3				0.04	--	--	0.2		--	0.03
02/04/85	5050		5.5C	181	1AF		--	--	--	--		--	0.01	--
1230	5050			7.4				0.03	--	--	0.1		--	0.01
03/07/85	5050		6.0C	165	2AF		--	--	--	--		--	0.01	--
1210	5050			7.6				0.02	--	--	0.1		--	0.01
04/01/85	5050		12.0C	149	3AF		--	--	--	--		--	0.00	--
1145	5050			7.7				0.03	--	--	0.0		--	0.01
05/08/85	5050		17.0C	170	1AF		--	--	--	--		--	0.01	--
1530	5050			7.7				0.00	--	--	0.0		--	0.01
06/04/85	5050		17.0C	160	1AF		--	--	--	--		--	0.02	--
1200	5050			7.8				0.03	--	--	0.1		--	0.02
07/09/85	5050		22.0C	150	2AF		--	--	--	--		--	0.01	--
1200	5050			8.0				0.01	--	--	0.1		--	0.02
08/06/85	5050		20.0C	147	1AF		--	--	--	--		--	0.00	--
1000	5050			7.5				0.01	--	--	0.1		--	0.02
09/03/85	5050		20.0C	128	1AF		--	--	--	--		--	0.01	--
1245	5050			7.5				0.00	--	--	0.1		--	0.01
09/30/85	5050		15.0C	132	1AF		--	--	--	--		--	0.01	--
1130	5050			7.5				0.02	--	--	0.1		--	0.01
AB 5610.00				HIGH VALLEY C AR KELSEY C					A0404					
10/04/84	5050		14.5C	330	0AF		--	--	--	--		--	0.01	--
0900	5050			7.4				0.02	--	--	0.0		--	0.02
11/06/84	5050		11.5C	300	2AF		--	0.00	--	--		--	0.03	--
1400	5050			7.4				0.03	--	--	0.0		--	0.03
12/04/84	5050		7.0C	197	2AF		--	--	--	--		--	0.00	--
1145	5050			7.7				0.02	--	--	0.1		--	0.01
01/07/85	5050		6.5C	227	394F		--	--	--	--		--	0.00	--
1240	5050			7.6				0.01	--	--	0.1		--	0.03
02/04/85	5050		5.5C	280	0AF		--	--	--	--		--	0.00	--
1230	5050			7.6				0.02	--	--	0.1		--	0.01
03/07/85	5050		8.0C	230	2AF		--	--	--	--		--	0.00	--
1230	5050			7.6				0.01	--	--	0.0		--	0.01
04/01/85	5050		12.0C	188	2AF		--	--	--	--		--	0.00	--
1130	5050			7.6				0.01	--	--	0.0		--	0.00
05/08/85	5050		18.0C	280	17AF		--	--	--	--		--	0.00	--
1515	5050			7.7				0.00	--	--	0.2		--	0.06
06/04/85	5050		16.5C	305	1AF		--	--	--	--		--	0.01	--
1145	5050			7.9				0.02	--	--	0.1		--	0.01
07/09/85	5050		20.5C	340	1AF		--	--	--	--		--	0.00	--
1130	5050			7.9				0.01	--	--	0.0		--	0.01
08/06/85	5050		18.5C	360	1AF		--	--	--	--		--	0.00	--
0945	5050			7.8				0.02	--	--	0.0		--	0.01
09/03/85	5050		18.5C	360	1AF		--	--	--	--		--	0.00	--
1215	5050			7.3				0.00	--	--	0.1		--	0.01
09/30/85	5050		15.5C	355	1AF		--	--	--	--		--	0.00	--
1100	5050			7.5				0.00	--	--	0.0		--	0.01

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	O NO2 + NO3	O NO2 O NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	O NH3 T NH3	T NH3 + ORG N	NTS A.W.PO4	O O-PO4 T O-PO4	O TOT P T TOT P
	AR	5610.00		BOTTLE ROCK PWR PLANT NR GLENBROK						A0404				
07/27/85	5050					--	0.01	--		70.		--	--	--
1430	5050						0.00	--	--	--	--		--	0.00
08/15/85	5050					--	0.01	--		135.		--	--	--
1330	5050						0.01	--	--	--	--		--	0.23
08/15/85	5050					--	0.01	--		72.		--	--	--
1340	5050						0.00	--	--	--	--		--	0.02
09/03/85	5050					--	0.02	--		113.		--	--	--
1115	5050						0.07	--	--	--	--		--	0.08
09/12/85	5050					--	0.02	--		94.		--	--	--
	5050						0.05	--	--	--	--		--	0.11
09/12/85	5050					--	0.00	--		59.		--	--	--
	5050						0.03	--	--	--	--		--	0.14
	AR	5701.00		KELSEY C A GLENBROOK						A0404				
10/04/84	5050		12.0C	111	2AF	--	--	--		--		--	0.01	--
0715	5050			7.3			0.01	--		--	0.1		--	0.02
11/06/84	5050		11.0C	115	5AF	--	0.00	--		--		--	0.01	--
1530	5050			7.4			0.01	--		--	0.2		--	0.02
12/04/84	5050		8.5C	100	6AF	--	--	--		--		--	0.01	--
1545	5050			7.3			0.10	--		--	0.1		--	0.01
01/07/85	5050		7.5C	118	15AF	--	--	--		--		--	0.01	--
1430	5050			7.5			0.01	--		--	0.1		--	0.02
02/04/85	5050		6.0C	119	2AF	--	--	--		--		--	0.01	--
1340	5050			7.4			0.00	--		--	0.1		--	0.01
03/07/85	5050		6.0C	115	4AF	--	--	--		--		--	0.00	--
1320	5050			7.4			0.00	--		--	0.1		--	0.01
04/01/85	5050		14.5C	102	5AF	--	--	--		--		--	0.00	--
1430	5050			7.5			0.01	--		--	0.0		--	0.01
05/08/85	5050		13.5C	120	3AF	--	--	--		--		--	0.01	--
1445	5050			7.6			0.00	--		--	0.0		--	0.01
06/04/85	5050		15.0C	130	3AF	--	--	--		--		--	0.01	--
1300	5050			7.7			0.01	--		--	0.1		--	0.01
07/09/85	5050		19.5C	122	3AF	--	--	--		--		--	0.01	--
1345	5050			7.8			0.00	--		--	0.2		--	0.01
08/06/85	5050		18.0C	120	2AF	--	--	--		--		--	0.00	--
1145	5050			7.8			0.01	--		--	0.1		--	0.01
09/03/85	5050		15.0C	120	3AF	--	--	--		--		--	0.01	--
1340	5050			7.5			0.00	--		--	0.1		--	0.01
09/30/85	5050		13.0C	120	2AF	--	--	--		--		--	0.00	--
1300	5050			7.4			0.00	--		--	0.1		--	0.01
	AR	5710.00		ALDER C A GLENBROOK						A0404				
10/04/84	5050		11.0C	75	14F	--	--	--		--		--	0.01	--
0830	5050			7.2			0.01	--		--	0.1		--	0.02
11/06/84	5050		10.0C	96	5AF	--	0.00	--		--		--	0.01	--
1500	5050			7.2			0.02	--		--	0.1		--	0.02
12/04/84	5050		7.5C	110	6AF	--	--	--		--		--	0.00	--
1530	5050			7.3			0.04	--		--	0.1		--	0.01
01/07/85	5050		7.0C	122	9AF	--	--	--		--		--	0.01	--
1400	5050			7.5			0.02	--		--	0.1		--	0.02
02/04/85	5050		7.0C	118	1AF	--	--	--		--		--	0.01	--
1330	5050			7.2			0.01	--		--	0.1		--	0.01
03/07/85	5050		7.0C	104	1AF	--	--	--		--		--	0.00	--
1335	5050			7.3			0.02	--		--	0.0		--	0.01
04/01/85	5050		14.0C	117	2AF	--	--	--		--		--	0.00	--
1400	5050			7.6			0.01	--		--	0.0		--	0.01
05/08/85	5050		17.5C	100	1AF	--	--	--		--		--	0.01	--
1425	5050			7.4			0.00	--		--	0.0		--	0.01
06/04/85	5050		17.0C	105	1AF	--	--	--		--		--	0.01	--
1245	5050			7.6			0.01	--		--	0.1		--	0.02
07/09/85	5050		23.0C	88	2AF	--	--	--		--		--	0.02	--
1230	5050			7.7			0.01	--		--	0.1		--	0.02
08/06/85	5050		20.5C	82	1AF	--	--	--		--		--	0.02	--
1130	5050			7.9			0.01	--		--	0.1		--	0.02
09/03/85	5050		20.0C	73	1AF	--	--	--		--		--	0.01	--
1320	5050			7.4			0.00	--		--	0.0		--	0.02
09/30/85	5050		14.5C	80	1AF	--	--	--		--		--	0.01	--
1230	5050			7.6			0.00	--		--	0.1		--	0.02
	AO	2590.00		CALAVERAS R NR JENNY LIND						A03C0				
04/18/85	2163		51.5F	185		0.08	--	--		--		--	0.00	--
1015	5590			8.0			--	--		--	--		--	--

TABLE C-4 (CONTINUED)

MULTIPLE ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	GAL O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NH3	CONSTITUENTS IN MILLIGRAMS PER LITER T ORG N T ORG N	D NH3 T NH3	T ORG N	DIS A.A.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
R1 1150.00 COSUMNES R A MICHIGAN BAR											R04A1			
10/23/84	2163	2.41	57 F	75			0.14	--	--	--		--	0.01*	--
0950	5050			7.1				--	--	--	--		--	--
08/15/85	2163	1.73	28.7C	150			0.01	--	--	--		--	0.11	--
1500	2163			6.0				--	--	--	--		--	--
G3 L 033.4 048.4 EAGLE LK STA NO 1A											G08C2			
11/07/84	5050		7.5C	766	1AF		0.03	--	--	--		--	--	--
1235	5050		0	8.9				--	--	--	1.2		--	0.04
04/23/85	5050		8.2C	765	2AF		0.03	--	--	--		--	--	--
1435	5050		0	9.1				--	--	--	1.3		--	0.05
06/14/85	5050		20.7C	761	1AF		0.02	--	--	--		--	--	--
1350	5050		0	8.9				--	--	--	1.3		--	0.04
08/02/85	5050		20.0C	776	1AF		0.00	--	--	--		--	--	--
1355	5050		0	9.1				--	--	--	1.0		--	0.04
09/19/85	5050		15.3C	790	1AF		0.00	--	--	--		--	--	--
1335	5050		0	9.1				--	--	--	1.2		--	0.07
G3 L 035.2 045.1 EAGLE LK STA NO 11											G08C2			
11/07/84	5050		7.5C	746	1AF		0.03	--	--	--		--	--	--
0910	5050		0	8.9				--	--	--	1.4		--	0.07
04/23/85	5050		5.6C	760	2AF		0.03	--	--	--		--	--	--
0830	5050		0	8.9				--	--	--	1.2		--	0.04
08/14/85	5050		18.5C	764	1AF		0.01	--	--	--		--	--	--
0835	5050		0	8.9				--	--	--	1.2		--	0.04
08/14/85	5050		11.1C	760	1AF		0.02	--	--	--		--	--	--
0845	5050		61	8.9				--	--	--	1.5		--	0.13
08/02/85	5050		19.8C	775	1AF		0.00	--	--	--		--	--	--
0835	5050		0	9.1				--	--	--	1.0		--	0.03
08/02/85	5050		13.1C	779	3AF		0.00	--	--	--		--	--	--
0835	5050		61	8.7				--	--	--	1.7		--	0.27
09/19/85	5050		15.0C	788	2AF		0.00	--	--	--		--	--	--
0825	5050		0	9.0				--	--	--	1.2		--	0.07
09/19/85	5050		15.0C	787	2AF		0.00	--	--	--		--	--	--
0835	5050		62	9.0				--	--	--	1.4		--	0.07
G3 L 035.5 046.8 EAGLE LK STA NO 2A											G09C2			
08/02/85	5050		19.4C	766	2AF		0.00	--	--	--		--	--	--
0930	5050		0	9.1				--	--	--	1.0		--	0.03
08/02/85	5050		13.8C	781	1AF		0.06	--	--	--		--	--	--
0930	5050		59	8.7				--	--	--	1.5		--	0.19
09/19/85	5050		15.3C	788	1AF		0.00	--	--	--		--	--	--
0915	5050		0	9.1				--	--	--	1.2		--	0.06
09/19/85	5050		14.8C	792	3AF		0.00	--	--	--		--	--	--
0925	5050		61	9.1				--	--	--	1.5		--	0.0*
G3 L 036.9 044.7 EAGLE LK STA NO 10A											G08C2			
11/07/84	5050		5.2C	779	1AF		0.04	--	--	--		--	--	--
1145	5050		0	9.0				--	--	--	1.2		--	0.05
04/23/85	5050		9.3C	757	2AF		0.03	--	--	--		--	--	--
1225	5050		0	9.1				--	--	--	1.2		--	0.05
06/14/85	5050		19.4C	767	1AF		0.01	--	--	--		--	--	--
1225	5050		0	9.0				--	--	--	1.2		--	0.03
08/02/85	5050		20.0C	792	1AF		0.00	--	--	--		--	--	--
1240	5050		0	9.1				--	--	--	1.0		--	0.04
09/19/85	5050		15.0C	789	1AF		0.00	--	--	--		--	--	--
1210	5050		0	9.1				--	--	--	1.1		--	0.06
G3 L 038.6 044.1 EAGLE LK STA NO 9A											G08C2			
09/19/85	5050		14.2C	800	1AF		0.00	--	--	--		--	--	--
1150	5050		0	9.1				--	--	--	1.1		--	0.06
G3 L 040.4 046.0 EAGLE LK STA NO 4A											G08C2			
11/07/84	5050		4.8C	795	1AF		0.01	--	--	--		--	--	--
1100	5050		0	9.0				--	--	--	1.2		--	0.04
04/23/85	5050		10.2C	755	2AF		0.00	--	--	--		--	--	--
1110	5050		0	9.1				--	--	--	1.2		--	0.04
06/14/85	5050		20.4C	778	1AF		0.00	--	--	--		--	--	--
1135	5050		0	9.0				--	--	--	0.8		--	0.03
08/02/85	5050		20.0C	815	1AF		0.00	--	--	0.00		--	0.07	--
1200	5050		0	9.1				--	--	--	1.2		--	0.08
09/19/85	5050		13.2C	835	1AF		0.00	--	--	--		--	--	--
1170	5050		0	9.3				--	--	--	1.2		--	0.06
G3 L 041.9 041.2 EAGLE LK STA NO 7A											G08C2			
11/07/84	5050		5.0C	815	1AF		0.00	--	--	--		--	--	--
1005	5050		0	9.0				--	--	--	1.5		--	0.03
04/23/85	5050		10.0C	759	2AF		0.00	--	--	--		--	--	--
1000	5050		0	8.9				--	--	--	1.2		--	0.03
06/14/85	5050		20.0C	784	1AF		0.00	--	--	--		--	--	--
1039	5050		0	9.1				--	--	--	1.1		--	0.02

TABLE C-4 (CONTINUED)

NUTRIENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAB	G.H. O	TEMP DEPTH	F FC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
	G3 L 041.9 041.2			EAGLE LK STA NO 7A						GORC2 CONTINUED				
09/02/85	5050		19.1C	821	1AF		0.00	--	--	--		--	--	--
1040	5050		0	9.1				--	--	--	1.1		--	0.03
09/10/85	5050		13.0C	860	1AF		0.00	--	--	--		--	--	--
1010	5050		0	9.3				--	--	--	1.3		--	0.03
	G3 1140.00			PINE C A EAGLE LK NR SUSANVILLE						FO8C1				
04/22/89	5050	3.38	9.0C	64	4AF		0.00	--	--	0.02		--	0.00	--
1110	5050			7.5				--	--	--	0.5		--	0.02
	G3 2505.00			PAPOOSE C NR SUSANVILLE						GO8OO				
04/22/89	5050		21.0C	209	4AF		0.00	--	--	0.00		--	0.00	--
1440	5050			8.2				--	--	--	0.1		--	0.02
	G3 2510.00			MERRILL C A EAGLE LK NR SUSANVILL						GO8C1				
04/22/89	5050		19.0C	93	6AF		0.00	--	--	0.00		--	0.00	--
1405	5050			7.1				--	--	--	0.1		--	0.00
	G3 2515.00			MERRILL C BL LTTTLE MERRILL FLAT						GO8C1				
04/22/89	5050		15.0C	74	7AF		0.00	--	--	0.00		--	0.00	--
1240	5050	2 F		7.6				--	--	--	0.1		--	0.00
	G7 1665.00			TRUCKEE R A TAHOE CTY						GC6AO				
10/19/84	2163	2.18	48 F	92			0.00	--	--	--		--	0.00	--
1000	5050			7.1				--	--	--	--		--	--
08/14/85	2163	4.11	19.8C	108			0.00	--	--	--		--	0.00	--
1340	5050			7.2				--	--	--	--		--	--
	G8 3420.20			CARSON R E F A HWY 4						GO3AO				
10/31/84	2163		37 F	112			0.01	--	--	--		--	0.02	--
0910	5050	100 E		7.5				--	--	--	--		--	--
08/14/85	2163		12.6C	132			0.02	--	--	--		--	0.02	--
0745	2163			8.0				--	--	--	--		--	--
	G9 3200.00			WALKER R,E, NR BRIDGEPORT						GO1AO				
10/30/84	2163	0.52	44 F	153			0.00	--	--	--		--	0.00	--
1420	5050	31		8.6				--	--	--	--		--	--
08/14/85	2163	1.85	16.7C	179			0.04	--	--	--		--	0.09	--
0945	2163			8.6				--	--	--	--		--	--

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TABLE C-5
PESTICIDE ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

5050	-	California Department of Water Resources

Abbreviations

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Celcius (C)
EC	-	Electrical conductance in microsiemens at 25°C
DO	-	Dissolved oxygen content in milligrams per liter
pH	-	Measure of acidity or alkalinity of water

Pesticide Codes

Chorinated Hydrocarbons

Code	Explanation or common name
CHYDROCARB	Chlorinated hydrocarbon compounds used for zero concentrations; not total
DACTHAL	Dacthal, dimethyletra chloroterephthalate
UNKNOWNS	Unidentified chlorinated hydrocarbon compounds (reported as DDT) one or more

Organic Phosphorous

Code	Explanation
ORGANICP	Organic phosphorous compounds; used for zero concentrations, not total

Other

Code	Explanation Or Common Name
ALTRAZSIMAZ	Atrazine and/or Simazine
BRDCLMETHN	Bromodichloromethane
BROMOFORM	Bromoform
CAPTAN	Captan
CHLOPYRIFS	Chlorpyrifos, Dursban
CHLOROFORM	Chloroform
DBRCLMETH	Dibromochloromethane
DIAZINON	Diazinon
PARATHION	Parathion
PRGHALOCRB	Purgable halocarbons; used for zero concentrations, not total
2,4D	Includes acid, salts, and esters

TABLE C-8

PESTICIDE ANALYSES OF SURFACE WATER
COMPOUNDS REPORTED IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	TEMP EC	DO PH		CHLORINATED HYDROCARBON	ORGANIC PHOSPHORUS	OTHER
		AO	7140.10	AMERICAN R A SACTO WT PLT		A0541	
10/04/84	5050	19.5C	9.1		.00000 CHYDROCARB	.00000 ORGANICP	.000 PRGHALOCRB
1130	5050	100	7.1				.00000 PHENOXYGR
03/13/85	5050	12.0C	11.2				.000 PRGHALOCRB
1215	5050	65	7.3				.0001Z ATRAZINE7
							.00002 DIAZINON
							.00009 2AD
		BO	1175.01	COSUMNES R A DILLARD RD		RC3AZ	
10/04/84	5050	21.0C	9.0		.00000 CHYDROCARB	.00000 ORGANICP	.000 PRGHALOCRB
1025	5050	90	7.4				.00000 PHENOXYGR
		BO	2135.20	MOKELUMNE R A LOWER SACTO.RD		B03RO	
10/04/84	5050	17.5C	9.4		.00002 UNKNOWNS	.00000 ORGANICP	.000 PRGHALOCRB
0915	5050	45	7.2				.00000 PHENOXYGR
		BO	7020.00	SAN JOAQUIN R NR VERNALIS		B0100	
10/25/84	5050	15.5C	7.9		.00002 DACTHAL	.00000 ORGANICP	.000 PRGHALOCRB
0810	5050	350	7.4				.00000 PHENOXYGR
11/29/84	5050	11.5C	9.2			.00000 ORGANICP	.000 PRGHALOCRB
0940	5050	380	7.1				.00008 ATRAZINE7
12/12/84	5050	11.0C	9.2			.00000 ORGANICP	.00005 ATRAZINE7
0830	5050	380	7.3				.000 PRGHALOCRB
							.00000 PHENOXYGR
02/27/85	5050	12.5C	9.6				.0018 DIAZINON
0815	5050	590	7.4				.00010 ATRAZINE7
							.00010 CAPTAN
							.00007 2AD
							.000 PRGHALOCRB
03/27/85	5050	12.0C	9.0				.00005 2AD
0845	5050	790	7.4				.00023 ATRAZINE7
							.00007 DIAZINON
							.000 PRGHALOCRB
04/24/85	5050	17.0C	7.9		.00003 DACTHAL .00002 UNKNOWNS		.00008 2AD
0745	5050	700	7.4				.000 PRGHALOCRB
							.00009 ATRAZINE7
							.00001 CHLORPYRIFS
							.00002 DIAZINON
05/22/85	5050	20.5C	7.2		.00008 UNKNOWNS .00007 DACTHAL		.00008 2AD
0700	5050	700	7.4				.03006 PARATHION
09/25/85	5050	21.5C	6.8		.00000 CHYDROCARB	.00000 ORGANICP	.00000 2AD
0707	5050	550	7.4				.000 PRGHALOCRB
		BO C	749.0 133.6	DELTA MENDOTA CA A LINDEMAN RD		B0100	
03/27/85	5050	12.0C	9.8			.00000 ORGANICP	.00019 2AD
0945	5050	320	7.4				.00031 ATRAZINE7
							.000 PRGHALOCRB
		BO D	753.5 129.3	MIDDLE R A BORDEN HWY		B0100	
03/06/85	5050	10.0C	10.0				.000 PRGHALOCRB
0800	5050	290	7.4				.00009 DIAZINON
							.03029 ATRAZINE7
							.00009 2AD
		BO D	756.4 134.8	ROCK SL A OLD RIVER		B0100	
03/27/85	5050	12.0C	10.1			.00000 ORGANICP	.016 2AD
1115	5050	260	7.4				.00024 ATRAZINE7
							.000 PRGHALOCRB
		BO D	803.6 130.0	LITTLE CONNECTION EMPIRE ATHERTON		B0100	
03/06/85	5050	11.0C	10.0			.000 PRGHALOCRB .000 UNKNOWN	.010 CAPTAN
0915	5050	215	7.4				.00054 DIAZINON
							.00009 2AD
		BO D	815.8 146.2	LINDSAY SLU A HASTINGS CUT		A0100	
12/06/84	5050	11.0C	8.3			.00000 ORGANICP	.000 PRGHALOCRB
1050	5050	490	7.3				.0024 ATRAZINE7
							.00002 UNKNOWNS
02/22/85	5050	52 F					.00002 DIAZINON
1030	5050	435 74	8.6				.03001 PARATHION
							.0015 ATRAZINE7
							.0018 2AD
03/13/85	5050	12.5C	9.1				.000 PRGHALOCRB
1145	5050	495	7.6				
08/15/85	5050	18.9C	6.4				.00010 ATRAZINE7
0745	5050	363	8.0				
		BO D	817.8 144.8	CACHE SLU A VALLEJO PUPL		A0100	
12/06/84	5050	10.5C	8.8		.00003 DACTHAL	.00000 ORGANICP	.000 PRGHALOCRB
0950	5050	715	7.9				.0042 ATRAZINE7
							.00000 PHENOXYGR
		BO D	820.7 132.7	SACRAMENTO R A GREENS LDG		A0100	
10/04/84	5050	17.5C	9.0		.00000 CHYDROCARB	.00000 ORGANICP	.000 PRGHALOCRB
0620	5050	180	7.4				.00000 PHENOXYGR
02/06/85	5050	8.0C	12.1				.36 CHLOROFORM
1130	5050	175	7.5				.014 BROMOMETHN
							.001 BROMOMETH
							.000 BROMOFORM
03/06/85	5050	11.0C	10.5				.000 PRGHALOCRB
1200	5050	140	7.4				.00003 DIAZINON
							.00009 ATRAZINE7
							.00005 2AD

TABLE C-5 (CONTINUED)

PESTICIDE ANALYSES OF SURFACE WATER
COMPOUNDS REPORTED IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	TEMP DO EC	PH	CHLORINATED HYDROCARBON	ORGANIC PHOSPHORUS	OTHER
	RO V A03.6 128.9			AG-OR W-ED EMPIRE T S-SI AIMERTON	80100	
03/06/85 0945	5050 5050	10.5C 2200	7.6 7.3			.00010 ATRAZINE .00002 DIAZINON .0060 2AD .000 PRCHALOCRB
	RO V A07.9 134.7			AGRI-OR TYLER IS RY VORMANS LANG	AG100	
03/27/85 1245	5050 5050	11.5C 740	7.8 6.8			.000 PRCHALOCRA .0060 2AD .00045 ATRAZINE .00002 DIAZINON
	RO V B13.2 135.7			AGRI-OR GRAND IS NR WALKER LNDR	AG100	
03/06/85 1100	5050 5050	12.5C 460	5.3 6.9	.00000 CHYDROCARB		.00003 DIAZINON .00000 PHENOXYGR .000 PRCHALOCAB

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TABLE C-6
SUPPLEMENTAL MINOR ELEMENT ANALYSES OF SURFACE WATER

Lab and Sampler Agency Code

5050	–	California Department of Water Resources

Abbreviations

TIME	–	Pacific Standard Time on a 24-hour clock
DEPTH	–	Depth in feet at which sample was taken
TEMP	–	Water temperature at time of sampling in degrees Celcius (C)
EC	–	Electrical conductance in microsiemens at 25°C
D	–	Dissolved
pH	–	Measure of acidity or alkalinity of water
T	–	Total

TABLE C-6

SUPPLEMENTAL MINOR ELEMENT ANALYSES OF SURFACE WATER

DATE TIME	SAMP LAR	DEPTH	EC	TEMP PH	ALUMINUM	CONSTITUENTS IN MILLIGRAMS PER LITER ANTIMONY BERYLLIUM	BISMUTH CORALT	GALLIUM GERMANIUM	LITHIUM MOLYBDENUM	NICKEL STRONTIUM	TITANIUM VANADIUM
		AB L 857.9 240.6 CLEAR LK LO ARM CL5						A0402			
10/23/84	5050			14.4C		--	--	--	--	0.01 T	--
1100	5050	0	232	7.9	0.3 T	--	--	--	--	--	--
		AB L 900.7 241.7 CLEAR LK 23 OAKS ARM CL4						A0402			
10/23/84	5050			14.1C		--	--	--	--	0.03 T	--
1145	5050	0	222	8.0	0.3 T	--	--	--	--	--	--
		AB L 903.8 251.9 CLEAR LK 15-UP ARM CL-1						A0402			
10/23/84	5050			14.1C		--	--	--	--	0.01 T	--
1015	5050	0	210	7.9	0.6 T	--	--	--	--	--	--

APPENDIX D

GROUND WATER MEASUREMENTS

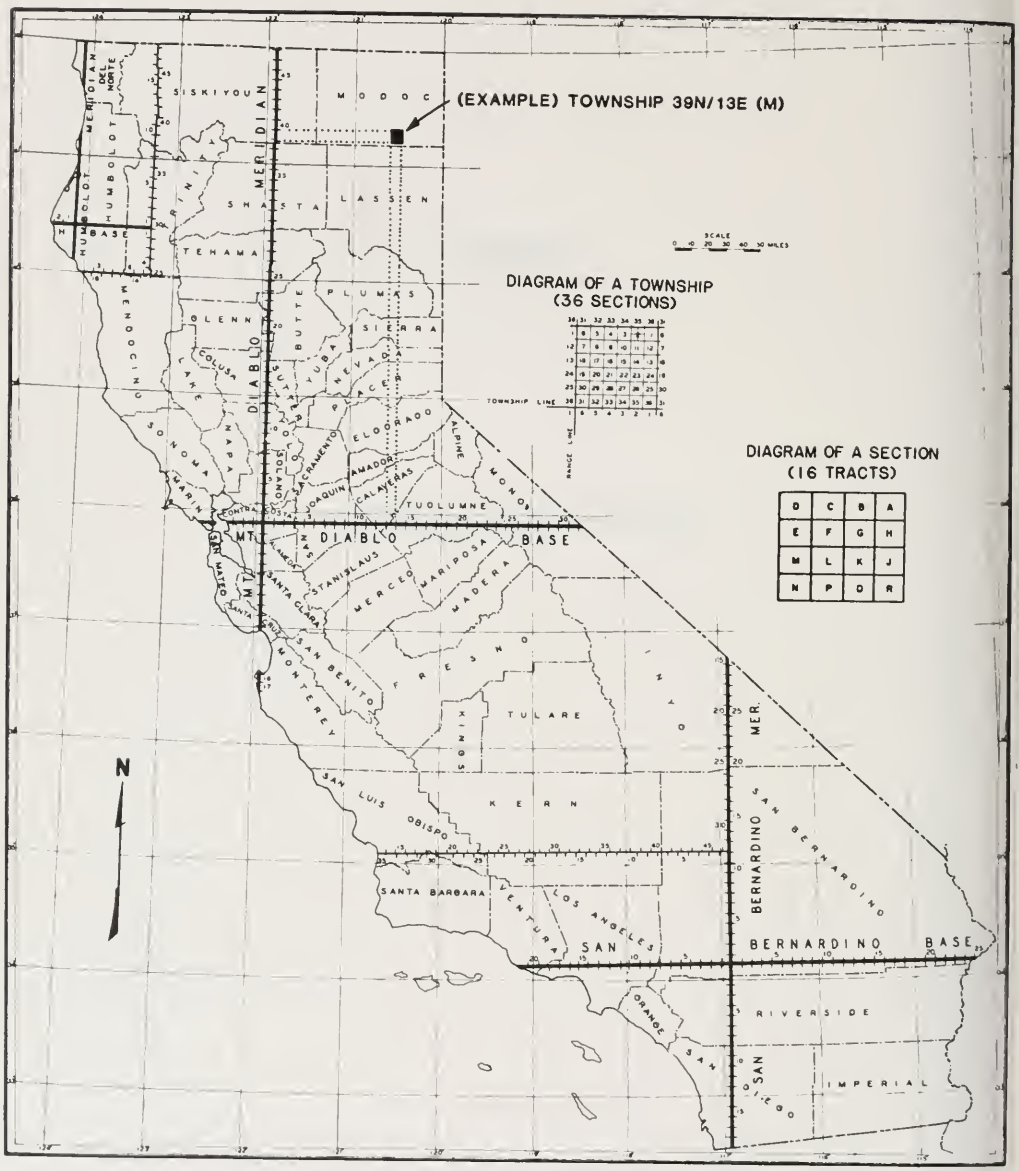


Figure 6. TOWNSHIP AND RANGE SYSTEM OF CALIFORNIA

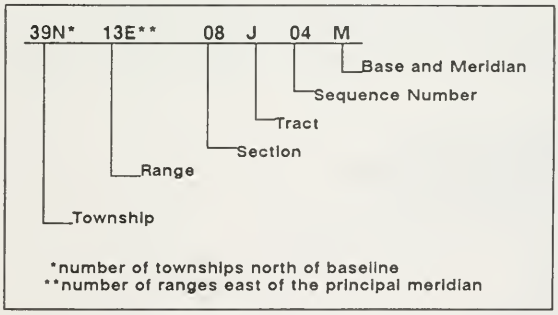
APPENDIX D
GROUND WATER MEASUREMENTS

Appendix "D" presents depth to water measurements (ground to water) and water surface elevations for selected wells in Northeastern California from October 1, 1984 to September 30, 1985.

The location of a well can be approximated by the well number. The numbering system for wells is based on a rectangular system called the United States System of Surveying the Public Lands, commonly referred to as the Public Lands Survey. This system ties all tracts of land to an initial point and identifies each as being in a particular township. A township is a square parcel of land six miles on each side. Its location is established as being so many six-mile units east or west of a north-south line (*principal meridian*) through the initial point and so many six-mile units north or south of an east-west line (*baseline*) through the point. The meridianal (longitudinal) lines parallel to—and east or west of—the principal meridian are called *range lines*. Latitudinal lines parallel to —and north or south of—the baseline are known as *township lines*. Each township is described with respect to the initial point by its distance and direction from that point i.e., north or south and east or west in numbers of six-mile units.

Figure 6 presents the township and range system for California, and shows the three bases and meridians: i.e., the Humboldt (H), Mount Diablo (M) and San Bernardino (S). The figure also numbers the townships and ranges along the principal meridians and baselines, and shows the location of, for example, township 39N/13E M. The location of any township in the State can be found by extending the township and range lines as shown.

Every township is further divided into 36 equal parts called sections. A diagram of a typical township with the sections numbered from 1 to 36 is shown on Figure 6. The well numbering system is an extension of the public land survey system and involves dividing each section of land into sixteen 40-acre tracts with each tract given a letter (A through R) to identify it (Figure 6.) Sequence numbers in a tract are assigned in chronological order. A typical well number consists of 12 characters expressed as follows:



In the above example, this is the fourth well to be assigned a number in Tract J, Section 8 of the designated township.

Ground water measurement stations are listed in the tables by ascending areal code. The areal code is explained on page 2. Individual areal code numbers appear to the left of the areal names, and the

data listed thereunder are in that areal code boundary. The number of ground water stations precludes plotting each individual well on maps in this publication. Instead, Figure 7 shows the locations of the ground water basins in which measurements were taken.

To facilitate station location,the cross reference on page 208 relates the hydrologic areas to the ground water basins shown on Figure 7 and lists the respective areal code. The location and definition of any hydrologic area may be determined by entering Figure 2 (page 4) with the respective areal code. The cross reference also lists the page numbers for the tabulated data.

The dates shown in Table D are the dates when the depth measurements were made.

Some of the measurements in the "ground to water" column may be followed by a single digit in parenthesis, which indicates a questionable measurement. The meaning of these codes is as follows:

(0)	Caved or deepened	(5)	Air or pressure gage measurement
(1)	Pumping	(6)	Other
(2)	Nearby pump operating	(7)	Recharge operation at or near well
(3)	Casing leaking or wet	(8)	Oil in casing
(4)	Pumped recently	(9)	Acoustic sounder

When the letters "NM" followed by a digit in parenthesis appears in the column, it means a measurement was attempted but could not be obtained. The reason for no measurement is described by the digit listed below:

(0)	Measurement Discontinued	(5)	Unable to locate well
(1)	Pumping	(6)	Well has been destroyed
(2)	Pump house locked	(7)	Special
(3)	Tape hung up	(8)	Casing leaking or wet
(4)	Cannot get tape in casing	(9)	Temporarily inaccessible

The words "FLOW" and "DRY" also appear in this column to indicate a flowing or dry well, respectively. When a minus sign precedes the value, it indicates that the static water level in a flowing well is that distance in feet above the ground surface.

Elevations are given in feet at USGS mean sea level datum. Ground surface elevations are usually obtained by interpolation between contours of USGS topographic maps.

The final column is the code number for the agency supplying the data. Contributing agencies are:

1453 - Yuba County
2684 - Solano Irrigation District
2925 - U.S. Soil Conservation Service
4202 - Sacramento Municipal Utility District
5001 - U. S. Bureau of Reclamation
5050 - California Department of Water Resources
5104 - Yolo County
5105 - Glenn County
5108 - Sacramento County
5110 - San Joaquin County
5111 - Lake County
5415 - Sutter, South, Water District
6244 - Sutter County
8201 - East Bay Municipal Utility District

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Appendix D Cross Reference

Ground Water Basin – Areal Code

Ground Water Basin No.	Name	Hydrologic Area*		Areal** Code	Data on page
		SACRAMENTO	NB	A	210
		SACRAMENTO DELTA	HU	A-01	210
		VALLEY PUTAH-CACHE	HU	A-02	210
5-21	Sacramento Valley	Elmira	HA	A02.A	210
5-21	Sacramento Valley	Lower Putah Creek	HA	A-02.B	213
5-21	Sacramento Valley	Lower Cache Creek	HA	A-02.C	215
		PUTAH CREEK	HU	A-03	216
5-18	Coyote Valley	Upper Putah Creek	HA	A-03.B	216
5-19	Collayomi Valley				
5-67	Clear Lake Pleistocene Volcanics				
		CACHE CREEK	HU	A-04	217
		Upper Cache Creek	HA	A-04.D	217
5-30	Lower Lake Valley	Lower Lake	HSA	A-04.D1	217
		Lucerne	HSA	A-04.D3	217
5-14	Scott Valley	Lakeport	HSA	A-04.D4	217
5-15	Kelseyville Valley (Big Valley)				
5-13	Upper Lake Valley	Upper Lake	HSA	A-04.D5	218
		VALLEY-AMERICAN	HU	A-05	218
5-21	Sacramento Valley	Morrison Creek	HA	A-05.A	218
5-21	Sacramento Valley	Franklin	HSA	A-05.A1	218
5-21	Sacramento Valley	Florin	HSA	A-05.A2	219
5-21	Sacramento Valley	Coon American	HA	A-05.B	219
5-21	Sacramento Valley	Lower American	HSA	A-05.B1	219
5-21	Sacramento Valley	Pleasant Grove	HSA	A-05.B2	220
		COLUSA BASIN	HU	A-07	222
5-21	Sacrament Valley	Sycamore-Sutter	HA	A-07.A	222
5-21	Sacramento Valley	Glenn-Colusa	HA	A-07.B	222
5-21	Sacramento Valley	Colusa Trough	HSA	A-07.B1	222
5-21	Sacramento Valley	Orland	HSA	A-07.B2	225
5-21	Sacramento Valley	Sutter Bypass	HA	A-07.C	226
5-21	Sacramento Valley	Butte Basin	HA	A-07.D	226
		MARYSVILLE	HU	A-08	227
5-21	Sacramento Valley	Lower Bear River	HA	A-08.A	227
5-21	Sacramento Valley	Olivehurst	HA	A-08.B	227
5-21	Sacramento Valley	Lower Yuba River	HA	A-08.C	228
5-21	Sacramento Valley	Lower Feather River	HA	A-08.D	229
		FEATHER RIVER	HU	A-11	229
		Middle Fork Feather	HA	A-11.C	229
5-11	Mohawk Valley	Sloat	HSA	A-11.C2	229
5-60	Humbug Valley	Sloat	HSA	A-11.C2	229
5-12	Sierra Valley	Sierra Valley	HSA	A-11.C4	229
		North Fork Feather	HA	A-11.D	231
5-7	Lake Almanor Valley	Mount Harkness	HSA	A-11.D4	231
		TEHAMA	HU	A-13	231
5-21	Sacramento Valley	Lower Stony Creek	HA	A-13.A	231
5-21	Sacramento Valley	Red Bluff	HA	A-13.B	231
		REDDING	HU	A-17	233
5-6	Redding Basin	Enterprise Flat	HA	A-17.A	233
5-6	Redding Basin	Lower Cottonwood	HA	A-17.B	233
		PIT RIVER	HU	A-23	234
		McArthur	HA	A-23.C	234
5-5	Fall River Valley	Big Lake	HSA	A-23.C1	234
5-40	Hot Springs Valley	Big Lake	HSA	A-23.C1	234
		Big Valley	HA	A-23.D	234
5-4	Big Valley	Bieber	HSA	A-23.D1	234
5-4	Big Valley	Upper Ash Creek	HSA	A-23.D2	234
		Upper Pit River	HA	A-23.E	234
5-2	Alturas Basin	Canby	HSA	A-23.E1	234
5-2.01	S. Fork Pit River and Alturas Area	Alturas	HSA	A-23.E2	234
5-3	Jess Valley	Jess Valley	HSA	A-23.E3	234
		LAKEVIEW	HU	A-24	235
5-1	Goose Lake Valley	Davis Creek	HA	A-24.A	235
		SAN JOAQUIN	HB	B	236
5-22	San Joaquin Valley	SAN JOAQUIN DELTA	HU	B-01	236
5-22	San Joaquin Valley	NORTH DIABLO RANGE	HU	B-02	237
5-22	San Joaquin Valley	NORTH VALLEY FLOOR	HU	B-03	238
5-22	San Joaquin Valley	Lower Consumnes - Dry	HA	B-03.A	238
5-22	San Joaquin Valley	Lower Deer Creek	HSA	B-03.A1	238
5-22	San Joaquin Valley	Herald	HSA	B-03.A2	238
5-22	San Joaquin Valley	Lower Mokelumne	HA	B-03.B	240
5-22	San Joaquin Valley	Lower Calaveras	HA	B-03.C	248
5-22	San Joaquin Valley	Duck-Littlejohns	HA	B-03.D	249
		NORTH LAHONTAN	HB	G	251
		LAKE TAHOE	HU	G-05	251
6-5.01	Tahoe Valley-South	South Tahoe	HA	G-05.A	251
		SUSANVILLE	HU	G-08	251
6-4	Honey Lake Valley	Herlong	HA	G-08.A	251
6-4	Honey Lake Valley	Susan River	HA	G-08.B	251
6-100	Secret Valley	Snow Storm Mountain	HA	G-08.D	251
6-103	Modoc Plateau Pleistocene Volcanic Area				
6-2	Madeline Plains	MADELINE PLAINS	HU	G-10	252
6-1	Surprise Valley	SURPRISE VALLEY	HU	G-12	252
6-1	Surprise Valley	Bare Creek	HA	G-12.A	252
6-1	Surprise Valley	Cedarville	HA	G-12.B	252
6-1	Surprise Valley	Fort Bidwell	HA	G-12.C	253

*See page 2.
**See figure 2.

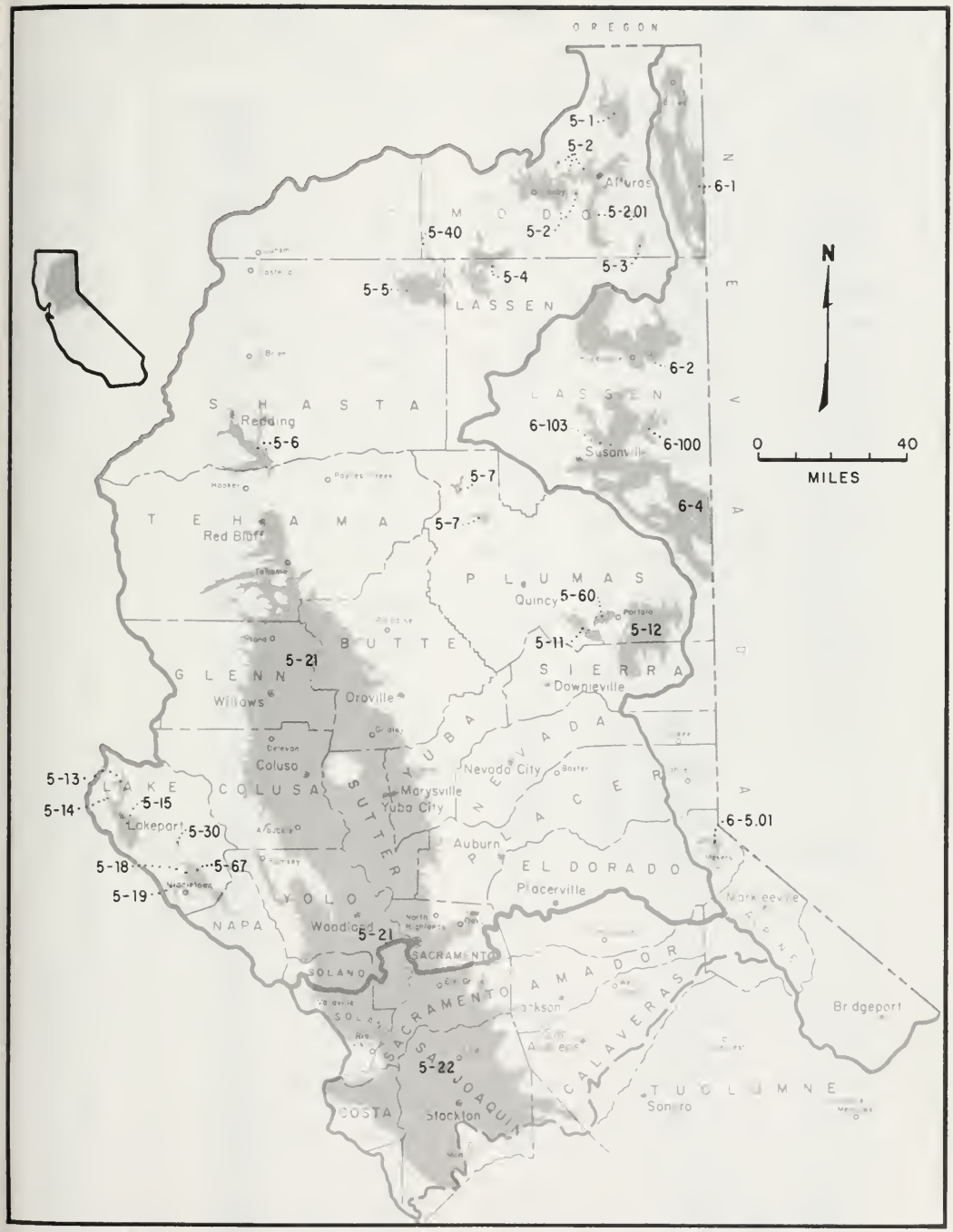

Figure 7 LOCATION OF GROUND WATER BASINS - MEASUREMENT

TABLE D

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO HB					
A-01 SACRAMENTO DELTA HU					
05N/02E-19M01 M	16.4	10/03/84	11.0	5.4	2684
		03/15/85	10.0	6.4	
05N/02E-25K01 M	.0	10/03/84	4.3	-4.3	5050
		03/11/85	3.4	-3.4	
05N/02E-36N01 M	.7	10/03/84	6.2	-5.5	5050
		03/11/85	5.2	-4.5	
05N/05E-16C01 M	12.0	10/10/84	17.4	-5.4	5001
		03/04/85	17.1	-5.1	
06N/02E-02M03 M	29.0	10/04/84	11.1	13.9	5050
		03/12/85	9.4	19.6	
06N/02E-08B01 M		10/17/84	NM-1		5001
		03/18/85	NM-0		
06N/02E-09C01 M	21.0	10/17/84	16.7	4.3	5001
		03/18/85	13.3	7.7	
06N/02E-33N03 M	10.0	10/17/84	4.1	5.9	5001
		03/12/85	.8	9.2	
06N/03E-07M01 M	15.0	10/17/84	10.9	4.1	5001
		03/12/85	6.2	8.8	
06N/03E-15B01 M	4.0	04/05/85	2.5	1.5	5050
06N/03E-23P01 M	4.9	04/05/85	3.0	1.9	5050
06N/04E-24A01 M	10.0	03/15/85	27.4	-17.4	5050
06N/05E-17F01 M	16.0	10/10/84	62.9	-46.9	5001
		03/04/85	58.8	-42.8	
06N/03E-31A02 M	12.0	10/10/84	43.1	-31.1	5001
		03/04/85	35.9	-23.9	
07N/03E-19N01 M	21.0	10/17/84	17.2	3.8	5001
		03/12/85	11.3	9.7	
07N/03E-30Q01 M	17.0	10/17/84	7.3	9.7	5001
		03/12/85	5.8	11.2	
07N/04E-11K01 M	17.3	10/10/84	8.7	8.6	5108
		03/21/85	10.9	6.4	
08N/03E-15D01 M	14.0	04/05/85	7.1	6.9	5050
08N/03E-21P02 M	16.0	04/05/85	12.7	3.3	5050
08N/04E-06C01 M	10.0	10/26/84	8.1	1.9	5050
		03/28/85	5.6	4.4	
08N/04E-18L01 M	10.0	04/05/85	6.6	3.4	5050
09N/04E-32R01 M	12.0	10/26/84	25.3	-13.3	5050
		11/29/84	23.2	-11.2	
		12/20/84	22.8	-10.8	
		01/27/85	22.3	-10.3	
		02/27/85	24.1	-12.1	
		03/26/85	22.6	-10.6	
		04/26/85	NM-1		
		05/29/85	29.1	-17.1	
		06/27/85	35.1	-23.1	
		07/29/85	35.9	-23.9	
		08/26/85	34.7	-22.7	
		09/27/85	32.9	-20.9	
09N/04E-34K01 M	18.4	10/26/84	13.7	4.7	5050
		04/03/85	12.1	6.3	
A SACRAMENTO HB					
A-02 VALLEY PUTAH-CACHE HU					
A-02.A ELMIRA HA					
04N/01E-02E01 M	60.0	10/03/84	8.5	51.5	5050
		11/26/84	8.6	51.4	
		12/18/84	8.6	51.4	
		01/30/85	8.7	51.3	
		02/26/85	8.6	51.4	
		03/11/85	8.6	51.4	
		04/24/85	8.7	51.3	
		05/23/85	8.9	51.1	
		06/27/85	9.0	51.0	
		07/30/85	9.3	50.7	
		08/26/85	9.6	50.4	
		09/16/85	9.8	50.2	
04N/01E-02G01 M	70.0	10/03/84	41.8	28.2	5050
		03/11/85	37.3	32.7	
04N/01E-12A01 M	78.0	10/03/84	5.0	73.0	5050
		03/13/85	.6	77.4	
04N/02E-09A01 M	39.0	10/05/84	16.8	22.2	2684
		03/15/85	17.0	22.0	
04N/02E-22P01 M	70.0	10/03/84	38.7	31.3	5050
		03/11/85	38.7	31.3	
05N/01E-03P01 M	35.0	10/03/84	10.9	24.1	5050
		03/11/85	9.7	25.3	
05N/01E-11H01 M	24.5	10/29/84	16.1(8)	8.4	5050
		03/11/85	12.8(8)	11.7	
05N/01E-26M02 M	19.0	10/05/84	3.4	15.6	2684
		03/22/85	1.1	17.9	
05N/02E-05C01 M	12.0	10/03/84	7.6	4.4	5050
		11/26/84	5.7	6.3	
		12/18/84	3.6	8.4	
		01/30/85	4.0	8.0	
		02/26/85	3.2	8.8	
		03/11/85	3.4	8.6	
		04/24/85	4.3	7.7	
		05/23/85	6.4	5.6	
		06/27/85	6.3	5.7	
		07/30/85	5.3	6.7	
		08/26/85	4.8	7.2	
		09/16/85	4.6	7.4	
05N/02E-07R01 M	15.0	10/05/84	14.7	.3	2684
		03/15/85	11.2	3.8	
05N/02E-07R02 M	15.0	10/05/84	13.9	1.1	2684
		03/15/85	11.9	3.1	
05N/02E-31J01 M	31.0	10/03/84	11.5	19.5	5050
		03/11/85	12.6	18.4	
06N/01E-02B01 M	46.0	10/29/84	34.6	11.4	5050
		03/12/85	18.8	27.2	
06N/01E-05A01 M	62.0	10/04/84	7.0	55.0	5050
		03/12/85	9.8(4)	52.2	
06N/01E-06D01 M	77.0	10/15/84	10.0	67.0	2684
		03/14/85	9.3	67.7	
06N/01E-10N01 M	52.0	10/04/84	7.5	44.5	5050
		03/12/85	9.9	42.1	
06N/01E-12M01 M	40.0	10/04/84	12.1	27.9	5050
		11/26/84	11.9	28.1	
		12/18/84	11.0	29.0	
		01/30/85	10.8	29.2	
		02/26/85	9.4	30.6	
		03/12/85	9.6	30.4	
		04/24/85	9.9	30.1	
		05/23/85	10.9(2)	29.1	
		06/27/85	10.4	29.6	
		07/30/85	9.5	30.5	
		08/26/85	11.2	28.8	
		09/16/85	11.8	28.2	
06N/01E-12N03 M	40.0	10/04/84	25.0	15.0	5050
		03/12/85	17.2	22.8	
06N/01E-17M01 M	63.0	10/04/84	9.8	53.2	5050
		03/12/85	8.8	54.2	
06N/01E-18N01 M	72.7	10/05/84	5.2	67.5	2684
		03/14/85	3.6(8)	69.1	
06N/01E-24L03 M	32.0	10/04/84	6.4	25.6	5050
		03/11/85	5.4	26.6	
06N/01E-27G02 M	41.2	10/15/84	9.4	31.8	2684
		03/13/85	10.0	31.2	
06N/01E-28N01 M	47.0	10/03/84	9.4	37.6	5050
		03/12/85	9.0	38.0	
06N/01E-31A01 M	60.0	10/03/84	10.2	49.8	5050
		03/12/85	9.9	50.1	
06N/01E-33L01 M	43.0	10/03/84	8.1	34.9	5050
		10/15/84	8.0	35.0	2684
		11/26/84	8.0	35.0	5050
		12/18/84	7.7	35.3	
		01/30/85	7.7	35.3	
		02/26/85	7.3	35.7	
		03/11/85	7.3	35.7	

TABLE 0 (CONTINUED)

GROUND WATER LEVELS AT WELLS

A SACRAMENTO HB
A-02 VALLEY PUTAH-CACHE HU
A-02.A ELMIRA HA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
06N/01E-33L01 M	43.0	03/14/85	7.2	35.8	2684
		04/24/85	7.2	35.8	3050
		05/23/85	6.6	36.4	
		06/27/85	6.3	36.7	
		07/30/85	NM-1		
		08/26/85	7.1	35.9	
		09/16/85	7.4	35.6	
06N/02E-19J01 M	23.0	10/04/84	12.0	11.0	5050
		03/12/85	6.9	16.1	
06N/02E-20H02 M	20.0	10/04/84	13.2(8)	6.8	5050
		03/12/85	8.2(8)	11.8	
06N/02E-26001 M	8.0	10/05/84	6.8	1.2	2684
		03/22/85	6.4	1.6	
07N/01E-03G01 M		10/17/84	NM-9		5001
	82.0	03/13/85	23.3	58.7	
07N/01E-04P03 M	89.0	10/17/84	13.5	75.5	5001
		03/18/85	17.7	71.3	
07N/01E-09F01 M		10/17/84	NM-9		5001
	91.7	03/19/85	16.9	74.8	
07N/01E-08F03 M		10/17/84	NM-9		5001
		03/18/85	NM-9		
07N/01E-08N02 M	85.0	10/04/84	9.3(4)	75.5	5050
		11/26/84	3.0	82.0	
		12/18/84	2.6	82.4	
		01/30/85	2.8	82.2	
		02/26/85	2.1	82.9	
		03/12/85	2.8	82.2	
		04/24/85	3.8	81.2	
		05/23/85	4.2	80.8	
		06/27/85	6.5	78.5	
		07/30/85	5.9	79.1	
		08/26/85	5.1	79.9	
		09/16/85	10.1	74.9	
07N/01E-10E01 M	78.5	10/17/84	11.4	67.1	5001
		03/18/85	16.2	62.3	
07N/01E-11M01 M	75.0	10/17/84	20.0	55.0	5001
		03/18/85	21.8(8)	53.2	
07N/01E-12N02 M	64.0	10/04/84	18.5	45.5	5050
		10/17/84	19.4	44.6	5001
		11/26/84	19.0	45.0	5050
		12/18/84	18.3	45.7	
		01/30/85	19.1	44.9	
		02/26/85	18.7	45.3	
		03/12/85	18.6	45.4	
		03/18/85	19.0	45.0	5001
		04/24/85	18.5	45.5	5050
		05/23/85	17.2	46.8	
		06/27/85	16.7	47.3	
		07/30/85	19.1	44.9	
		08/26/85	20.3	43.7	
		09/16/85	21.0	43.0	
07N/01E-16B02 M	75.0	10/17/84	20.6	54.4	5001
		03/18/85	17.7	57.3	
07N/01E-16D02 M	80.0	10/17/84	8.4	71.6	5001
		03/18/85	7.2	72.8	
07N/01E-21H03 M	70.5	10/17/84	27.1	43.4	5001
		03/18/85	16.5	54.0	
07N/01E-26D02 M		10/17/84	NM-9		5001
	55.0	03/18/85	16.7	38.3	
07N/01E-27M04 M	65.7	10/17/84	36.2	29.5	5001
		03/18/85	19.0	46.7	
07N/01E-29P01 M	74.0	10/17/84	11.2	62.8	5001
		03/15/85	10.6	63.4	
07N/01E-30M01 M	87.0	10/17/84	6.2	80.8	5001
		03/15/85	5.2	81.8	
07N/01E-33A01 M		10/11/84	NM-1		5001
	63.0	10/17/84	34.5	30.5	
		11/13/84	44.5	20.5	
		12/02/84	44.7	20.3	
		01/02/85	43.4(3)	21.6	
		02/12/85	42.2(3)	22.8	
		03/01/85	41.8(3)	23.2	
		03/18/85	16.9	48.1	
		04/02/85	16.6	46.4	
		05/03/85	38.0	27.0	
		06/05/85	39.3	25.7	
		07/10/85	NM-1		
		08/11/85	NM-1		
		09/01/85	51.6	13.4	
07N/01E-33R01 M	60.0	10/04/84	8.4	51.6	5050
		11/26/84	7.7	52.3	
		12/18/84	7.5	52.5	
		01/30/85	8.6	51.4	
		02/26/85	7.2	52.8	
		03/12/85	7.3	52.7	
		04/24/85	7.4	52.6	
		05/23/85	3.6	56.4	
		06/27/85	4.4	55.6	
		07/30/85	4.3	55.7	

A SACRAMENTO HB
A-02 VALLEY PUTAH-CACHE HU
A-02.A ELMIRA HA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
07N/01E-33R01 M	60.0	08/26/85	5.5	54.5	5050
		09/16/85	6.3	53.7	
07N/02E-02F02 M	33.0	10/04/84	45.4(8)	-12.4	5050
		03/12/85	29.0(8)	4.0	
07N/02E-04M03 M	52.5	10/17/84	43.0	9.5	5001
		03/15/85	32.4	20.1	
07N/02E-06N02 M		10/04/84	NM-6		5050
07N/02E-07G03 M	55.0	10/17/84	22.7	32.3	5001
		03/18/85	15.6	39.4	
07N/02E-09F01 M	51.0	10/17/84	30.6	20.4	5001
		03/18/85	28.9	22.1	
07N/02E-11G01 M	30.0	10/17/84	33.6	-3.6	5001
		03/12/85	25.6	4.4	
07N/02E-12C01 M	27.0	10/17/84	32.2	-5.2	5001
		03/12/85	27.7	-.7	
07N/02E-14F02 M	31.0	10/17/84	26.3	4.7	5001
		03/12/85	22.1	8.9	
07N/02E-14M01 M		10/17/84	NM-9		5001
	34.0	03/12/85	24.1	9.9	
07N/02E-19E01 M	42.0	10/17/84	32.3	9.7	5001
		03/12/85	26.8	15.2	
07N/02E-19E01 M	50.3	10/17/84	32.2	18.1	5001
		03/18/85	25.5	24.8	
07N/02E-24N01 M	23.0	10/04/84	11.9	11.1	5050
		11/26/84	12.2	10.8	
		12/18/84	11.5	11.5	
		01/30/85	12.1	10.9	
		02/26/85	11.2	11.8	
		03/12/85	11.4	11.6	
		04/24/85	11.5	11.5	
		05/23/85	9.9	13.1	
		06/27/85	10.1	12.9	
		07/30/85	10.1	12.9	
		08/26/85	10.9	12.1	
		09/16/85	11.2	11.8	
07N/02E-26Q01 M	27.5	10/17/84	16.7	10.8	5001
		03/12/85	15.8	11.7	
07N/02E-30N03 M	43.0	10/17/84	34.7	8.3	5001
		03/18/85	23.3	19.7	
07N/02E-33Q02 M	33.0	10/17/84	34.2	-1.2	5001
		03/12/85	25.9	7.1	
07N/02E-34C02 M	35.0	10/17/84	34.1	.9	5001
		03/12/85	26.0	9.0	
07N/03E-04Q01 M	19.0	04/08/85	12.1	6.9	5050
07N/03E-08J01 M	17.0	04/08/85	11.7	5.3	5050
07N/03E-08K01 M		10/17/84	NM-9		5001
	19.0	03/12/85	16.8	2.2	
07N/03E-17F01 M	16.0	04/08/85	7.5	8.5	5050
08N/01E-19K01 M	104.0	10/18/84	33.6	70.4	5001
		03/15/85	31.6	72.4	
08N/01E-20G01 M	98.0	10/18/84	31.6	66.4	5001
		03/15/85	29.3	68.7	
08N/01E-23C01 M		10/17/84	NM-9		5001
	84.2	03/13/85	40.9	43.3	
08N/01E-23Q01 M	73.0	10/17/84	30.6	42.4	5001
		03/13/85	27.6	45.4	
08N/01E-24Q01 M	68.0	10/17/84	48.7	19.3	5001
		03/13/85	32.2	35.8	
08N/01E-27G02 M	80.0	10/18/84	21.1	58.9	5001
		03/15/85	20.8	59.2	
08N/01E-28G01 M	92.0	10/18/84	25.1	66.7	5001
		03/15/85	24.7	67.3	
08N/01E-30G02 M	110.0	10/18/84	34.0	76.0	5001
		03/15/85	32.3	77.7	
08N/01E-32E01 M	100.0	10/18/84	25.8	74.2	5001
		03/15/85	25.3	74.7	
08N/01E-33H01 M	82.0	10/18/84	13.7(3)	68.3	5001
		03/13/85	15.4	66.6	
08N/01E-33Q02 M	86.0	10/04/84	13.7	72.3	5050
		11/26/84	16.3	69.7	
		12/19/84	17.2	68.8	
		01/30/85	18.3	67.7	
		02/26/85	18.8	67.2	
		03/12/85	19.0	67.0	
		04/24/85	18.5	67.5	
		05/23/85	12.1	73.9	
		06/27/85	11.1	74.9	
		07/30/85	NM-1		

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

4 SACRAMENTO HB
4-02 VALLEY PUTAH-CACHE HU
4-02.4 ELMIRA H4

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
08N/01E-33D02 M		08/26/85	NM-1		5050
	86.0	09/16/85	15.7	70.3	
08N/01E-33D03 M	85.7	10/18/84	12.0	73.7	5001
		03/15/85	16.7	69.0	
08N/01E-35K01 M	73.0	10/17/84	44.2	28.8	5001
		03/13/85	27.1	45.9	
08N/02E-19F02 M	70.0	10/17/84	41.1	28.9	5001
		03/13/85	35.7	34.3	
08N/02E-27C02 M	51.5	10/17/84	40.4	11.1	5001
		03/12/85	30.1	21.4	
08N/02E-27D02 M	45.0	10/17/84	40.9	4.1	5001
		03/12/85	29.5	15.5	
08N/02E-30N02 M	62.0	10/18/84	36.5	25.5	5001
		10/27/84	37.2(8)	24.8	
		11/13/84	37.4	24.6	
		12/02/84	37.8(6)	24.2	
		01/02/85	37.1(8)	24.9	
		02/06/85	32.1(8)	29.9	
		03/01/85	31.2(8)	30.8	
		03/13/85	31.0	31.0	
		04/02/85	31.6(8)	30.4	
		05/03/85	NM-1		
		06/05/85	NM-1		
		07/10/85	NM-1		
		08/11/85	NM-1		
		09/01/85	48.5	13.5	
08N/02E-31D01 M	65.0	10/17/84	32.7	32.3	5001
		03/13/85	25.9	39.1	
08N/02E-32N01 M	57.0	10/17/84	33.9(8)	23.5	5001
		03/18/85	29.0(8)	28.0	
08N/02E-32R01 M	55.5	10/17/84	48.2	7.3	5001
		03/18/85	25.7	29.8	
08N/02E-35F03 M	41.0	10/11/84	47.1	-6.1	5001
		10/17/84	41.5	-.5	
		11/13/84	41.2	-.2	
		12/02/84	41.1	-.1	
		01/02/85	38.7(3)	2.3	
		02/12/85	35.2	5.8	
		03/01/85	36.1	4.9	
		03/12/85	31.2	9.8	
		04/02/85	35.9	5.1	
		05/03/85	NM-1		
		06/05/85	NM-1		
		07/10/85	NM-1		
		08/11/85	NM-1		
		09/01/85	NM-1		
08N/03E-28H01 M	20.0	04/08/85	11.8	8.2	5050
08N/03E-31N01 M	32.0	10/17/84	32.8	-.8	5001
		10/27/84	32.0	.0	
		11/13/84	31.1	.9	
		12/02/84	30.7	1.3	
		01/02/85	29.2	2.8	
		02/12/85	27.4	4.6	
		03/01/85	27.4	4.6	
		03/12/85	27.0	5.0	
		04/01/85	26.6	5.4	
		04/08/85	26.5	5.5	5050
		05/03/85	31.2	.8	5001
		06/05/85	32.9	-.9	
		07/10/85	39.6	-7.6	
		08/11/85	44.1	-12.1	
		09/01/85	43.1	-11.1	
08N/03E-32G01 M	21.0	04/08/85	17.1	3.9	5050
08N/03E-32L01 M	25.0	04/08/85	18.8	6.2	5050
05N/01W-02B01 M	97.0	10/03/84	.1(6)	96.9	5050
		03/12/85	16.6	80.4	
05N/01W-12H01 M	60.0	10/03/84	7.4	52.6	5050
		03/12/85	8.1	51.9	
06N/01W-01B01 M	82.0	10/04/84	20.2	61.8	5050
		10/05/84	20.4	61.6	2684
		11/26/84	18.7	63.3	5050
		12/18/84	17.7	64.3	
		01/30/85	17.7	64.3	
		02/26/85	16.7	65.3	
		03/12/85	16.6	65.4	
		03/14/85	16.6	65.4	2684
		04/24/85	16.6	65.4	5050
		05/23/85	17.2	64.8	
		06/27/85	18.7	63.3	
		07/30/85	18.7	63.3	
		08/26/85	19.6	62.4	
		09/16/85	19.8	62.2	
06N/01W-09L02 M	175.0	10/15/84	.5	174.5	2684
		03/22/85	.0	175.0	
06N/01W-10R01 M	100.0	10/04/84	28.6	71.4	5050
		03/11/85	26.2	73.8	
06N/01W-10R04 M	100.0	10/04/84	25.8	74.2	5050
		03/11/85	22.9	77.1	

A SACRAMENTO HB
A-02 VALLEY PUTAH-CACHE HU
A-02.4 ELMIRA H4

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
06N/01W-12D01 M	77.0	10/03/84	9.0	68.0	5050
		03/12/85	7.4	69.6	
06N/01W-13R01 M	74.5	10/03/84	5.5	69.0	5050
		03/12/85	3.3	71.2	
06N/01W-15P01 M	123.0	10/04/84	112.9	10.1	5050
		03/11/85	106.4	16.6	
06N/01W-20D01 M	201.0	10/15/84	16.6	184.4	2684
		03/14/85	12.7	188.3	
06N/01W-23B01 M	93.0	10/05/84	15.2	77.8	2684
		03/14/85	14.2	78.8	
06N/01W-23C01 M	100.0	10/05/84	22.3	77.7	2684
		03/15/85	22.6	77.4	
06N/01W-24N01 M	88.0	10/03/84	11.7	76.3	5050
		03/12/85	11.7	76.3	
06N/01W-24N02 M	90.0	10/03/84	139.7	-49.7	5050
		03/12/85	153.3	-63.3	
06N/01W-36C04 M	80.0	10/03/84	15.7	64.3	5050
		03/12/85	16.7	63.3	
07N/01W-01E03 M	103.0	10/16/84	18.3	84.7	5001
		03/15/85	18.4(0)	84.6	
07N/01W-04D01 M	145.0	10/16/84	46.3	98.7	5001
		03/14/85	43.5	101.5	
07N/01W-05R01 M		10/16/84	NM-9		5001
	170.0	03/14/85	60.1	109.9	
07N/01W-06E01 M		10/16/84	NM-9		5001
	157.0	03/14/85	67.7(3)	89.3	
07N/01W-13N01 M	105.0	10/16/84	10.9	94.1	5001
		03/15/85	10.2	94.8	
07N/01W-16G01 M		10/16/84	NM-9		5001
	230.0	03/15/85	112.9	117.1	
07N/01W-17D01 M		10/16/84	NM-9		5001
	225.0	03/15/85	83.9	141.5	
07N/01W-27R01 M	125.0	10/16/84	61.3	63.7	5001
		03/15/85	59.3	65.7	
07N/01W-27R02 M	116.0	10/04/84	52.8	63.2	5050
		03/12/85	50.7	65.3	
07N/01W-33J02 M	130.0	10/04/84	90.0	40.0	5050
		03/12/85	78.9	51.1	
07N/01W-34F01 M	140.0	10/04/84	111.0	29.0	5050
		03/12/85	97.1	42.9	
07N/01W-35R01 M	91.0	10/16/84	10.0	81.0	5001
		03/15/85	9.5	81.5	
08N/01W-22P01 M	129.0	10/16/84	44.6	84.4	5001
		03/14/85	39.6	89.4	
08N/01W-24D01 M	118.0	10/18/84	33.2	84.8	5001
		03/15/85	30.9	87.1	
08N/01W-25A02 M	114.0	10/16/84	36.0(3)	78.0	5001
		03/15/85	34.0	80.0	
08N/01W-26A02 M	121.6	10/18/84	40.2	81.4	5001
		03/14/85	37.8	83.8	
08N/01W-26D05 M	126.2	10/16/84	41.4	84.8	5001
		03/14/85	37.8	88.4	
08N/01W-26K02 M		10/16/84	NM-9		5001
	116.0	03/14/85	28.9	87.1	
08N/01W-27L01 M	133.0	10/16/84	36.1	96.9	5001
		03/14/85	NM-2		
08N/01W-28B02 M	139.0	10/16/84	47.3	91.7	5001
		03/14/85	41.7	97.3	
08N/01W-28J01 M	139.0	10/04/84	42.5	95.5	5050
		10/18/84	46.2(3)	91.8	5001
		11/26/84	41.0	97.0	5050
		12/14/84	40.4	97.6	
		01/30/85	40.5	97.5	
		02/26/85	41.0	97.0	
		03/12/85	40.9	97.1	
		03/15/85	41.2	96.8	5001
		04/24/85	42.8(2)	95.2	5050
		05/23/85	NM-1		
		06/27/85	45.5(2)	92.5	
		07/30/85	47.7(2)	90.3	
		08/26/85	NM-1		
		09/16/85	NM-1		
08N/01W-29N01 M		10/16/84	NM-9		5001
	155.0	03/14/85	49.4	105.6	
09N/01W-32H01 M	140.0	10/16/84	40.5(3)	99.5	5001
		03/14/85	36.0	104.0	
08N/01W-32N03 M		10/19/84	NM-7		5001

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO HB					
A-02 VALLEY PUTAH-CACHE HU					
A-02.A ELMIRA HA					
08N/01W-32M03 M	181.0	03/14/85	72.5	108.5	5001
08N/01W-33A01 M	134.7	10/16/84	38.8(3)	95.9	5001
		03/14/85	35.6	99.1	
08N/01W-33B02 M	136.0	10/16/84	38.5	97.5	5001
		03/14/85	36.3	99.7	
08N/01W-34A01 M	120.0	10/16/84	37.1	82.9	5001
		03/14/85	34.9	85.1	
08N/01W-35G02 M	111.0	10/16/84	27.7	83.3	5001
		03/14/85	27.1	83.9	
08N/01W-36H01 M	102.0	10/16/84	20.5	81.5	5001
		03/15/85	NM-1		
A-02.B LOWER PUTAH CREEK HA					
08N/01E-01J02 M	85.0	10/24/84	18.3	46.7	5104
		03/20/85	18.4	46.6	
08N/01E-04G02 M	95.0	10/24/84	19.5	75.7	5104
		03/13/85	18.3(4)	76.5	
08N/01E-07H01 M	105.0	10/24/84	19.7	85.3	5104
		03/13/85	23.7	81.3	
08N/01E-09E01 M	97.0	10/24/84	17.9	79.1	5104
		03/13/85	19.4	77.6	
08N/01E-09R01 M	90.5	10/29/84	28.3	62.2	5050
		11/29/84	27.5	63.0	
		12/20/84	27.2	63.3	
		01/29/85	27.1	63.4	
		02/27/85	27.5	63.0	
		03/26/85	27.7	62.8	
		04/26/85	36.3	54.2	
		05/29/85	38.0	52.5	
		06/26/85	47.9	42.6	
		07/29/85	43.2	47.3	
		08/26/85	39.4	51.1	
		09/25/85	33.4	57.1	
08N/01E-10M01 M	91.3	10/25/84	37.1	54.2	5104
		03/21/85	34.5	56.8	
08N/01E-11F01 M	78.0	10/24/84	22.0	56.0	5104
		03/21/85	23.0	55.0	
08N/01E-12D01 M	70.0	10/24/84	19.5	50.5	5104
		03/21/85	30.0	40.0	
08N/01E-12R03 M	64.0	10/17/84	24.4	39.6	5001
		03/14/85	23.0	41.0	
08N/01E-14P01 M	79.0	10/25/84	37.1	41.9	5104
		03/21/85	28.6	50.4	
08N/01E-15B01 M	85.0	10/25/84	19.6	65.4	5104
		10/29/84	19.8	65.2	5050
		11/29/84	20.6	64.4	
		12/20/84	21.0	64.0	
		01/29/85	21.6	63.4	
		02/27/85	21.9	63.1	
		03/21/85	22.4	62.6	5104
		03/26/85	22.3	62.7	5050
		04/26/85	22.6	62.4	
		05/29/85	19.7	65.3	
		06/26/85	19.8	65.2	
		07/29/85	20.2	64.8	
		08/26/85	20.8	64.2	
		09/25/85	22.1	62.9	
08N/01E-15P02 M	84.0	03/15/85	32.1	51.9	5001
08N/01E-16B01 M	93.5	10/18/84	34.0	59.5	5001
		03/14/85	27.8	65.7	
08N/01E-17D01 M	102.0	10/24/84	26.2(6)	75.8	5104
		03/13/85	24.0	78.0	
08N/01E-17F01 M		10/18/84	NM-7		5001
	101.0	03/14/85	31.6	69.4	
08N/02E-01K01 M	34.0	10/18/84	33.3	.7	5001
		03/13/85	17.1	16.9	
08N/02E-03J01 M	40.0	10/18/84	42.3	-2.3	5001
		03/13/85	23.4(8)	16.6	
08N/02E-04E01 M	52.0	10/18/84	24.6	27.4	5001
		03/13/85	18.7	33.3	
08N/02E-09A01 M	43.0	10/24/84	26.5	16.5	5104
		03/20/85	17.8	25.2	
08N/02E-14M03 M	45.0	04/08/85	28.2	16.8	5050
08N/02E-16M01 M	58.0	10/11/84	44.8	13.2	5001
		10/17/84	43.5	14.5	
		11/13/84	43.4	14.6	
		12/02/84	43.6	14.4	
		01/02/85	35.9	22.1	
		02/12/85	35.2	22.8	
		03/01/85	37.6	20.4	
		03/12/85	35.0	23.0	
		04/01/85	34.3	23.7	
		05/03/85	47.1	10.9	

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO HB					
A-02 VALLEY PUTAH-CACHE HU					
A-02.B LOWER PUTAH CREEK HA					
08N/02E-16M01 M	58.0	06/05/85	49.2	8.8	5001
		07/10/85	68.6	-10.6	
		08/11/85	63.3	-5.3	
		09/01/85	57.7	.3	
08N/02E-17M01 M	59.0	10/17/84	35.1	23.9	5001
		03/13/85	29.8	29.2	
08N/02E-18M02 M	66.0	10/17/84	38.9	27.1	5001
		03/13/85	34.7	31.3	
08N/02E-19B01 M	67.0	10/11/84	39.2	27.8	5001
		10/17/84	39.1	27.9	
		11/13/84	38.9	28.1	
		12/02/84	38.5	28.5	
		01/02/85	39.1	27.9	
		02/12/85	36.1	30.9	
		03/01/85	34.9	32.1	
		03/13/85	34.7	32.3	
		04/01/85	34.2	32.8	
		05/03/85	33.2	33.8	
		06/05/85	38.8	28.2	
		07/10/85	42.2	24.8	
		08/11/85	43.5	23.5	
		09/01/85	43.9	23.1	
08N/02E-20G01 M	59.5	10/17/84	43.3	16.2	5001
		03/13/85	35.5	24.0	
08N/02E-21L01 M	58.0	10/17/84	42.0	16.0	5001
		03/13/85	31.2	26.8	
08N/02E-24N01 M	37.5	10/17/84	32.9	4.6	5001
		10/27/84	30.8	6.7	
		11/13/84	30.8(8)	6.7	
		12/02/84	30.3(8)	7.2	
		01/02/85	30.7(8)	6.8	
		02/06/85	29.1	8.4	
		03/01/85	25.2	12.3	
		03/12/85	23.8	13.7	
		04/01/85	22.6	14.9	
		05/03/85	NM-1		
		06/05/85	29.6	7.9	
		07/10/85	54.7	-17.2	
		08/11/85	NM-1		
		09/01/85	50.5	-13.0	
08N/03E-04R01 M	16.0	10/29/84	14.5	1.5	5050
		11/29/84	12.0	4.0	
		12/20/84	10.5	5.5	
		01/29/85	9.2	6.8	
		02/27/85	7.9	8.1	
		03/26/85	7.7	8.3	
		04/26/85	11.6	4.4	
		05/29/85	16.7	-.7	
		06/26/85	18.1	-2.1	
		07/29/85	20.5	-4.5	
		08/26/85	19.3	-3.3	
		09/25/85	17.8	-1.8	
08N/03E-07M01 M	32.4	10/29/84	27.9	4.5	5050
		11/29/84	23.6	8.8	
		12/20/84	21.8	10.6	
		01/29/85	20.1	12.3	
		02/27/85	19.6	12.8	
		03/26/85	18.7	13.7	
		04/26/85	29.9	2.5	
		05/29/85	53.9	-21.5	
		06/26/85	59.0	-26.6	
		07/29/85	59.5	-27.1	
		08/26/85	49.6	-17.2	
		09/25/85	37.6	-5.2	
08N/03E-19D03 M	37.0	04/05/85	24.4	12.6	5050
09N/01E-01L01 M	74.0	10/25/84	40.0	34.0	5104
		03/14/85	34.4	39.6	
09N/01E-02M01 M	87.0	10/25/84	44.4	42.6	5104
		03/14/85	44.9	42.1	
09N/01E-03A02 M	91.0	10/25/84	62.0	29.0	5104
		03/14/85	51.8	39.2	
09N/01E-03C03 M	96.0	10/25/84	62.7	33.3	5104
		03/14/85	57.6	38.4	
09N/01E-05E02 M	116.0	10/22/84	8.4	107.6	5104
		03/04/85	6.4	109.6	
09N/01E-07D01 M	121.0	10/22/84	12.9	108.1	5104
		03/04/85	8.6	112.4	
09N/01E-09D01 M	112.0	10/25/84	30.9	81.1	5104
		03/14/85	24.1	87.9	
09N/01E-12M01 M	81.0	10/25/84	28.2	52.8	5104
		03/14/85	30.0	51.0	
09N/01E-32D01 M	71.0	10/25/84	23.6	47.4	5104
		03/14/85	26.0	45.0	
09N/01E-16A01 M	92.0	10/25/84	12.8	79.2	5104
		03/14/85	11.6	80.4	
09N/01E-20E01 M	112.0	10/24/84	12.0	100.0	5104
		03/05/85	7.4(6)	104.6	
09N/01E-22B01 M	86.0	10/29/84	13.5	72.5	5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MB					
A-02 VALLEY PUTAH-CACHE HU					
A-02.8 LOWER PUTAH CREEK HA					
09N/01E-22B01 M	86.0	11/29/84	12.5	73.5	5050
		12/20/84	12.7	73.3	
		01/29/85	13.4	72.6	
		02/27/85	13.9	72.1	
		03/26/85	14.0	72.0	
		04/26/85	13.9	72.1	
		05/29/85	13.0	73.0	
		06/26/85	12.3	73.7	
		07/29/85	12.5	73.5	
		08/26/85	12.4	73.6	
		09/25/85	12.2	73.8	
09N/01E-24D01 M	67.0	10/24/84	10.6	56.4	5104
		03/20/85	13.7	53.3	
09N/01E-26N01 M	77.0	10/25/84	6.8	70.2	5104
		03/21/85	5.7	71.3	
09N/01E-27Q01 M	87.0	10/25/84	14.2	72.8	5104
		03/21/85	NM-8		
09N/01E-28M01 M	102.0	10/24/84	6.9	95.1	5104
		03/05/85	8.7	93.3	
09N/01E-31D01 M	116.0	10/24/84	7.9	108.1	5104
		03/03/85	6.8	109.2	
09N/01E-35H02 M	75.0	10/25/84	17.5	57.5	5104
		03/21/85	19.1	55.9	
09N/01E-36A01 M	68.0	10/17/84	20.5	47.5	5001
		03/13/85	19.8	48.2	
09N/02E-07A01 M	72.0	10/25/84	42.0	30.0	5104
		03/14/85	36.6	35.4	
09N/02E-07K01 M		10/25/84	NM-9		5104
	70.0	03/14/85	40.6	29.4	
09N/02E-07L01 M	66.0	10/25/84	47.5	18.5	5104
		03/14/85	34.0	32.0	
09N/02E-09B01 M	53.0	10/25/84	29.3(8)	23.7	5104
		03/14/85	20.5(8)	32.5	
09N/02E-10E01 M	46.0	10/25/84	23.3	22.7	5104
		03/14/85	16.9	29.1	
09N/02E-13N01 M	32.0	10/25/84	11.5	20.5	5104
		03/14/85	4.8	27.2	
09N/02E-16N01 M	52.0	10/29/84	20.7	31.3	5050
		11/29/84	18.3	33.7	
		12/20/84	17.4	34.6	
		01/29/85	16.6	35.4	
		02/27/85	16.5	35.5	
		03/26/85	19.1	32.9	
		04/26/85	29.4	22.6	
		05/29/85	37.7	14.3	
		06/26/85	43.0	9.0	
		07/29/85	40.8	11.2	
		08/26/85	34.3	17.7	
		09/25/85	31.0	21.0	
09N/02E-20M01 M	61.0	10/24/84	18.4	42.6	5104
		03/20/85	24.5	36.5	
09N/02E-21L01 M	51.0	10/24/84	18.6	32.4	5104
		03/20/85	18.8	32.2	
09N/02E-22H02 M	39.0	10/24/84	12.5	26.5	5104
		03/20/85	NM-9		
09N/02E-29B03 M	50.0	10/25/84	20.5(8)	29.5	5104
		03/21/85	15.7(8)	34.3	
09N/02E-31D01 M	63.0	10/24/84	23.4	39.6	5104
		03/21/85	22.5	42.5	
09N/02E-32M01 M	56.0	10/24/84	12.0	44.0	5104
		03/21/85	17.2	38.8	
09N/02E-35E01 M	34.0	10/24/84	16.7	17.3	5104
		03/20/85	9.8	24.2	
09N/03E-07D01 M	25.0	10/24/84	11.2	13.8	5104
		03/14/85	9.0	16.0	
09N/03E-31A02 M	21.0	10/24/84	21.0	.0	5104
		03/20/85	13.0	8.0	
10N/01E-13L01 M	82.0	10/29/84	56.2	25.8	5104
		03/20/85	43.0	39.0	
10N/01E-23G01 M	92.0	10/29/84	60.3	31.7	5104
		03/20/85	NM-9		
10N/01E-23Q02 M	87.0	10/29/84	54.7(4)	32.3	5104
		03/20/85	50.9	36.1	
10N/01E-24E01 M	83.0	10/29/84	57.6	25.4	5104
		03/20/85	48.1	34.9	
10N/01E-26E03 M	97.0	10/29/84	52.0(1)	45.0	5104
		03/20/85	55.4	41.6	
10N/01E-27F01 M	100.0	10/30/84	63.4	36.6	5104
		03/15/85	56.5	43.5	
10N/01E-28K01 M		10/30/84	NM-4		5104
10N/01E-31E01 M	128.0	10/22/84	24.4	103.6	5104
		03/04/85	23.5	104.5	
10N/01E-33L02 M	132.0	10/22/84	74.5	57.5	5104
		03/04/85	69.2	62.8	
10N/01E-33N01 M	132.0	10/23/84	19.9	112.1	5104
		03/04/85	21.7	110.3	
10N/01E-33P01 M	130.0	10/25/84	64.9	65.1	5104
		03/14/85	NM-9		
10N/01E-34A03 M	100.0	10/25/84	68.3	31.7	5104
		03/14/85	63.5	36.5	
10N/01E-36D02 M	85.0	10/25/84	53.8	31.2	5104
		03/14/85	48.1	36.9	
10N/02E-08Q01 M	63.0	10/29/84	33.4	29.6	5104
		03/20/85	28.5	34.5	
10N/02E-10R01 M	47.0	10/29/84	26.8	20.2	5104
		03/20/85	19.1	27.9	
10N/02E-12A01 M	35.0	10/29/84	23.0	12.0	5104
		03/20/85	15.1	19.9	
10N/02E-14E01 M	35.0	10/29/84	9.0	27.0	5104
		03/20/85	7.5	28.5	
10N/02E-15N01 M	45.0	10/29/84	26.9	18.1	5104
		03/20/85	16.2(8)	28.8	
10N/02E-18M01 M	74.0	10/29/84	43.6	30.4	5104
		03/20/85	44.7	29.3	
10N/02E-19M03 M	73.0	10/29/84	42.8	30.2	5104
		03/20/85	36.5	36.5	
10N/02E-24B01 M		10/23/84	NM-4		5104
		03/20/85	NM-4		
10N/02E-26D01 M	32.0	10/29/84	24.9	7.1	5104
		03/20/85	7.8	24.2	
10N/02E-28A02 M	45.0	10/29/84	24.5	20.5	5104
		03/20/85	18.6	26.4	
10N/02E-29A01 M	55.0	10/22/84	18.1	36.9	5050
		04/04/85	16.6	38.4	
10N/02E-31M01 M	77.0	10/25/84	49.2	27.8	5104
		03/14/85	43.0	34.0	
10N/02E-33R01 M	52.0	10/24/84	21.6	30.4	5104
		03/14/85	12.6(6)	39.4	
10N/02E-34M01 M	54.0	10/25/84	28.2	25.8	5104
		03/14/85	24.0	30.0	
10N/03E-14C01 M	25.0	04/08/85	13.7	11.3	5050
10N/03E-32E01 M	21.0	04/08/85	5.7	15.3	5050
08N/01W-02K01 M	130.0	10/24/84	18.1(8)	111.9	5104
		03/13/85	NM-9		
08N/01W-03D03 M	163.0	10/16/84	36.4	126.6	5001
		03/15/85	37.7	125.3	
08N/01W-09C01 M	163.0	10/24/84	38.4	124.6	5104
		03/13/85	38.9	124.1	
08N/01W-10A02 M	135.0	10/16/84	28.1	106.9	5001
		03/15/85	28.4	106.6	
08N/01W-10E01 M	139.0	10/16/84	33.1	105.9	5001
		03/15/85	30.7	108.3	
08N/01W-11K02 M	125.0	10/24/84	26.4(8)	98.6	5104
		03/13/85	NM-8		
08N/01W-12D01 M	122.0	10/24/84	22.6	99.4	5104
		03/13/85	23.9	98.1	
09N/01W-13G03 M	113.0	10/24/84	30.6	82.4	5104
		03/13/85	30.5	82.5	
08N/01W-14Q01 M	120.0	10/24/84	36.5(8)	83.5	5104
		03/13/85	36.3(8)	83.7	
08N/01W-16R02 M	128.0	10/16/84	39.0	89.0	5001
		10/24/84	41.4	86.6	5104
		03/13/85	37.6	90.4	
		03/15/85	36.8	91.2	5001
08N/01W-20R05 M	147.0	10/24/84	56.8	90.2	5104
		03/13/85	50.0	97.0	
08N/01W-20R06 M		10/16/84	NM-9		5001
	128.0	03/14/85	52.6	75.4	
08N/01W-21N01 M	145.0	10/16/84	56.6	88.4	5001
		03/14/85	49.2	95.8	
09N/01W-02A01 M	133.0	10/22/84	11.5	121.5	5104
		03/04/85	11.4	121.6	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MB					
A-02 VALLEY PUTAH-CACHE MU					
A-02.9 LOWER PUTAH CREEK MA					
09N/01W-02R02 M	136.0	10/22/84	17.2	118.8	5104
		03/04/85	14.0	122.0	
09N/01W-03B01 M	148.0	10/22/84	11.4	136.6	5104
		03/04/85	9.9	138.1	
09N/01W-04N03 M	181.0	10/22/84	13.6	167.4	5104
		03/04/85	13.0	168.0	
09N/01W-05R01 M	185.0	10/22/84	13.8	171.2	5104
		03/04/85	14.0	171.0	
09N/01W-07R01 M	210.0	10/22/84	22.6	187.4	5104
		03/04/85	24.6	185.4	
09N/01W-08Q01 M	190.0	10/22/84	16.5(4)	173.5	5104
		03/04/85	19.4	170.6	
09N/01W-09K01 M	168.0	10/22/84	7.7(6)	160.3	5104
		03/04/85	1.0	167.0	
09N/01W-09P01 M	182.0	10/22/84	17.4(8)	164.6	5104
		03/04/85	17.1(8)	164.9	
09N/01W-12G01 M	119.0	10/22/84	8.0	111.0	5104
		03/04/85	6.5	112.5	
09N/01W-16N01 M	180.0	10/24/84	5.1	174.9	5104
		03/05/85	6.2	173.8	
09N/01W-21E01 M	170.0	10/24/84	6.1(4)	163.9	5104
		03/05/85	4.8	165.2	
09N/01W-23D01 M	143.0	10/24/84	10.3	132.7	5104
		03/05/85	NM-9		
09N/01W-24G01 M	125.0	10/24/84	8.2	116.8	5104
		03/05/85	7.5	117.5	
09N/01W-33J01 M	169.0	10/24/84	17.6	151.4	5104
		03/05/85	21.9	147.1	
09N/01W-35M01 M	143.0	10/29/84	23.8	119.2	5050
		11/29/84	23.4	119.6	
		12/20/84	23.5	119.5	
		01/29/85	23.9	119.1	
		02/27/85	24.4	118.6	
		03/26/85	24.3	118.7	
		04/26/85	30.3	112.7	
		05/29/85	27.5	115.5	
		06/26/85	37.0	106.0	
		07/29/85	36.7	106.3	
		08/26/85	26.2	116.8	
		09/25/85	26.0	117.0	
09N/01W-36G03 M	119.5	10/24/84	13.5	106.0	5104
		03/05/85	13.7	105.8	
10N/01W-19D04 M	188.0	10/26/84	34.9	153.1	5104
		03/04/85	28.1	159.9	
10N/01W-20R02 M	163.0	10/22/84	29.2	133.8	5104
		03/04/85	26.9	136.1	
10N/01W-21J01 M	160.0	10/22/84	32.4	127.6	5104
		03/04/85	29.0	131.0	
10N/01W-23P01 M	141.0	10/22/84	29.7	111.3	5104
		03/04/85	NM-9		
10N/01W-26R03 M		10/21/84	NM-4		5104
		03/14/85	NM-4		
10N/01W-27C01 M	153.0	10/26/84	24.5	128.5	5050
		11/29/84	23.9	129.1	
		12/20/84	23.5	129.5	
		01/29/85	23.2	129.8	
		02/27/85	22.9	130.1	
		03/26/85	23.9	129.1	
		04/26/85	25.6	127.4	
		05/29/85	26.5	126.5	
		06/26/85	29.1	123.9	
		07/29/85	29.2	123.8	
		08/26/85	26.3	126.7	
		09/25/85	25.0	128.0	
10N/01W-27F01 M	147.0	10/22/84	20.5	126.5	5104
		03/04/85	NM-4		
10N/01W-29M01 M	173.0	10/22/84	9.8	163.2	5104
		03/04/85	5.6	167.4	
10N/01W-30K01 M	181.0	10/22/84	13.2	167.8	5104
		03/04/85	8.5	172.5	
10N/01W-32B01 M	180.0	10/22/84	15.7	164.3	5104
		03/04/85	14.3	165.7	
10N/01W-32E01 M	188.0	10/22/84	17.5	170.5	5104
		03/04/85	17.5	170.5	
10N/01W-33F01 M	165.0	10/26/84	26.9	138.1	5104
		03/04/85	NM-9		
10N/01W-35D01 M	135.0	10/22/84	17.3	117.7	5104
		03/04/85	18.2	116.8	
10N/01W-36B02 M	131.0	10/22/84	22.7	108.3	5104
		03/04/85	25.0	106.0	
10N/02W-25D01 M	232.0	10/22/84	41.0	191.0	5104
		03/04/85	36.6	195.4	
10N/02W-26M01 M	275.0	10/22/84	45.0	230.0	5104
		03/04/85	55.5	219.5	
10N/02W-26P01 M	325.0	10/22/84	110.6	214.4	5104
		03/04/85	119.7	205.3	
10N/02W-28J01 M	365.0	10/22/84	56.1	308.9	5104
		03/04/85	60.3(4)	304.7	
10N/02W-36A01 M	191.0	10/22/84	4.3	186.7	5104
		03/04/85	4.7	186.3	
A-02.C LOWER CACHE CREEK MA					
10N/01E-07D01 M	205.0	10/23/84	45.2	159.8	5104
		03/15/85	NM-9		
10N/01E-18C01 M	185.0	10/23/84	50.2	134.8	5104
		03/15/85	49.5	135.5	
10N/01E-29K01 M	110.0	10/28/84	31.8	78.2	5104
		03/04/85	31.5	78.5	
10N/01W-02P01 M	173.0	10/23/84	22.7	150.3	5104
		03/15/85	22.1	150.9	
10N/01W-02Q01 M	193.0	10/23/84	52.4	140.6	5104
		03/15/85	48.5	144.5	
10N/01W-04C01 M		10/23/84	NM-5		5104
	178.0	03/15/85	25.4	152.6	
10N/01W-05E01 M	185.0	10/23/84	39.1	145.9	5104
		03/15/85	39.3	145.7	
10N/01W-06A01 M	189.0	10/23/84	40.2	148.8	5104
		03/15/85	NM-9		
10N/01W-06Q01 M	205.0	10/23/84	49.5	155.5	5104
		03/15/85	55.0	150.0	
10N/01W-07R02 M		10/23/84	NM-3		5104
	180.0	03/15/85	32.4	147.6	
10N/01W-08B01 M	175.0	10/23/84	29.8	146.2	5104
		03/15/85	29.2	146.8	
10N/01W-09F02 M	171.0	10/23/84	23.2	147.8	5104
		03/15/85	24.8	146.2	
10N/01W-15A02 M	155.0	10/23/84	18.8	136.2	5104
		03/15/85	19.7	135.3	
10N/01W-15P02 M	160.0	10/23/84	27.9	132.1	5104
		03/15/85	27.3	132.7	
10N/01W-16G01 M	165.0	10/23/84	29.4(6)	135.6	5104
		03/15/85	29.9	135.1	
10N/01W-17A01 M	170.0	10/23/84	28.2	141.8	5104
		03/15/85	30.7	139.3	
10N/01W-18A01 M		10/23/84	NM-3		5104
	179.0	03/15/85	30.8	148.2	
10N/01W-18E01 M		10/23/84	NM-9		5104
	188.0	03/15/85	27.7	160.3	
10N/01W-24L02 M	137.0	10/23/84	19.2	117.8	5104
		03/15/85	19.6	117.4	
10N/02W-01M02 M	225.0	10/23/84	41.0	184.0	5104
		03/15/85	41.8	183.2	
10N/02W-07A01 M	280.0	10/26/84	15.5	264.5	5104
		03/22/85	17.9	262.1	
10N/02W-14A01 M	200.0	10/23/84	52.5	147.5	5104
		03/15/85	53.9	146.1	
10N/02W-16R01 M	229.0	10/26/84	14.5	214.5	5104
		03/22/85	14.5	214.5	
10N/02W-17J01 M	254.0	10/26/84	10.7	243.3	5104
		03/22/85	9.5	244.5	
10N/02W-18F01 M	334.0	10/26/84	20.0	314.0	5104
		03/22/85	18.0	316.0	
10N/02W-21G01 M	239.0	10/26/84	17.7	221.3	5104
		03/22/85	17.5	221.5	
10N/03W-13E01 M	385.0	10/26/84	29.4	355.6	5104
		03/22/85	24.5	360.5	
10N/03W-24B01 M	433.0	10/26/84	11.6	418.4	5104
		03/22/85	NM-9		
11N/01W-19N01 M	229.0	10/30/84	16.0	213.0	5104
		03/15/85	NM-9		
11N/01W-28D01 M	222.0	10/23/84	15.7	206.3	5104
		03/15/85	18.5	203.5	
11N/01W-31K01 M	202.0	10/23/84	45.4	156.2	5104
		03/15/85	50.4	151.6	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO HB					
A-02 VALLEY PUTAH-CACHE NU					
A-02.C LOWER CACHE CREEK HA					
11N/01W-33N01 M		10/23/84	NM-3		5104
	182.0	03/15/85	30.2	151.8	
11N/01W-34P01 M	195.0	10/23/84	17.5	177.5	5104
		03/15/85	18.5	176.5	
11N/02W-23A01 M	292.0	10/23/84	49.7	242.3	5104
		03/15/85	50.8	241.2	
11N/02W-24A01 M		10/23/84	NM-1		5104
	250.0	03/15/85	17.6	232.4	
11N/02W-26A01 M	275.0	10/23/84	54.3	220.7	5104
		03/15/85	51.0	224.0	
11N/02W-35E01 M		10/23/84	NM-4		5104
		03/15/85	NM-4		
11N/03W-03L01 M		10/26/84	NM-9		5104
	345.0	03/22/85	9.6	335.4	
11N/03W-09Q01 M	413.0	10/26/84	20.7	394.3	5104
		03/22/85	8.1	406.9	
11N/03W-15G01 M	330.0	10/26/84	17.4	312.6	5104
		03/22/85	20.9	309.1	
11N/03W-23L01 M	305.0	10/26/84	14.1	290.9	5104
		03/22/85	13.7	291.3	
11N/03W-23N01 M	317.0	10/26/84	21.3	295.7	5104
		03/22/85	21.0(4)	296.0	
11N/03W-34C01 M	370.0	10/26/84	27.7	342.3	5104
		03/22/85	35.9	334.1	
12N/03W-18G02 M	435.0	10/26/84	34.5	400.5	5104
		03/22/85	37.0	398.0	
12N/03W-20Q01 M	402.0	10/26/84	17.2	384.8	5104
		03/22/85	19.4	382.6	
12N/03W-29K01 M		10/26/84	NM-8		5104
		03/22/85	NM-8		
12N/03W-32Q01 M		10/26/84	NM-3		5104
		03/22/85	NM-3		
12N/03W-33F01 M	361.0	10/26/84	17.7	343.3	5104
		03/22/85	16.5	344.5	
A SACRAMENTO HB					
A-03 PUTAH CREEK NU					
A-03.B UPPER PUTAH CREEK HA					
10N/07W-03A02 M		10/15/84	NM-9		5050
	1107.7	04/31/85	12.9	1094.8	
11N/06W-19G01 M	967.8	10/15/84	17.7	950.1	5050
		04/01/85	14.3	953.3	
11N/07W-35E01 M	1077.0	10/15/84	12.7	1064.3	5050
		04/01/85	9.0	1068.0	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SACRAMENTO HR					
A-04	CACHE CREEK MU					
A-04.0	UPPER CACHE CREEK HA					
A-04.01	LOWER LAKE HSA					
12N/07W-13N01 M		1360.0	10/22/84	19.2	1340.8	5050
			03/11/85	13.6	1346.4	
A-04.03	LUCERNE HSA					
14N/07W-19M01 M		1730.0	10/22/84	13.4	1714.6	5050
			03/11/85	4.9	1725.1	
14N/07W-19M02 M		1730.0	10/22/84	25.7	1704.3	5050
			03/11/85	20.0	1710.0	
14N/08W-21K01 M		1780.0	10/22/84	7.0	1773.0	5111
			04/09/85	1.3	1778.7	
14N/08W-24R02 M		1775.0	10/22/84	68.8	1706.2	5111
			04/09/85	60.2	1714.8	
14N/08W-24H01 M		1740.0	10/22/84	32.2	1707.8	5111
			04/09/85	23.2	1716.8	
14N/08W-24L01 M		1730.0	10/22/84	41.6	1708.4	5111
			04/09/85	37.6	1712.4	
A-04.04	LAKEPORT HSA					
13N/09W-02C02 M		1345.0	10/17/84	24.6	1320.2	5111
			04/03/85	15.2	1329.8	
13N/09W-02E02 M		1341.0	10/22/84	28.6	1312.4	5050
			03/11/85	15.4	1325.6	
13N/09W-02M01 M		1334.6	10/17/84	15.4	1319.2	5111
			04/05/85	3.7	1330.9	
13N/09W-02K03 M		1343.0	10/17/84	20.4	1322.6	5111
			04/05/85	7.9	1333.1	
13N/09W-03A04 M		1340.0	10/22/84	28.2	1311.8	5050
			03/11/85	16.4	1323.6	
13N/09W-03F06 M		1349.0	10/22/84	29.4	1319.6	5050
			03/11/85	14.2	1334.8	
13N/09W-03G01 M		1343.0	10/22/84	30.3	1312.7	5050
			03/11/85	15.7	1327.3	
13N/09W-03H04 M		1340.0	10/22/84	27.0	1313.0	5050
			03/11/85	17.5	1322.5	
13N/09W-03J05 M		1340.0	10/22/84	25.8	1314.2	5050
			03/11/85	16.5	1323.5	
13N/09W-03R01 M		1357.2	10/17/84	39.7	1317.5	5111
			04/05/85	16.4	1340.8	
13N/09W-03R02 M		1357.2	10/17/84	43.3	1313.9	5111
			04/05/85	15.9	1341.3	
13N/09W-04G01 M		1345.3	10/17/84	33.6	1311.7	5111
			04/05/85	8.4	1336.9	
13N/09W-04Q01 M		1357.0	10/15/84	40.5	1316.5	5111
			04/04/85	9.9	1347.1	
13N/09W-05J05 M		1352.0	10/17/84	27.2	1324.8	5111
			04/05/85	10.9	1341.1	
13N/09W-05R05 M		1355.0	10/22/84	28.1	1326.9	5050
			03/11/85	14.5	1340.5	
13N/09W-06H02 M		1349.0	10/15/84	26.7	1322.3	5111
			04/03/85	11.3	1337.7	
13N/09W-06H03 M		1349.3	10/15/84	26.2	1323.1	5111
			04/03/85	11.4	1337.9	
13N/09W-06H01 M		1374.3	10/15/84	16.6	1337.7	5111
			04/03/85	5.7	1366.6	
13N/09W-07A03 M		1360.0	10/15/84	15.9	1344.1	5111
			04/03/85	4.2	1355.8	
13N/09W-07E01 M		1392.3	10/15/84	13.6	1378.7	5111
			04/03/85	-2.8	1395.1	
13N/09W-08K02 M		1372.6	10/17/84	25.3	1347.3	5111
			04/05/85	12.6	1360.0	
13N/09W-08M03 M		1368.0	10/22/84	8.4	1359.6	5050
			03/11/85	-.9	1368.9	
13N/09W-09C04 M		1350.0	10/15/84	22.2	1327.8	5111
			04/04/85	8.3	1341.7	
13N/09W-09Q01 M		1360.4	10/15/84	23.3	1337.1	5111
			04/04/85	8.1	1352.3	
13N/09W-09Q03 M		1358.0	10/15/84	23.0	1333.0	5111
			04/04/85	8.4	1349.6	
13N/09W-09F02 M		1355.0	10/16/84	28.5	1326.5	5050
			03/11/85	10.9	1344.1	
13N/09W-09L01 M		1360.0	10/15/84	21.6	1338.4	5111
			04/04/85	2.8	1357.2	
13N/09W-09Q02 M		1368.0	10/22/84	22.6	1345.4	5050
			03/11/85	8.5	1359.5	
A	SACRAMENTO HR					
A-04	CACHE CREEK MU					
A-04.0	UPPER CACHE CREEK HA					
A-04.04	LAKEPORT HSA					
13N/09W-10E01 M		1353.0	10/15/84	30.4	1324.6	5111
			04/04/85	6.7	1346.3	
13N/09W-11A02 M		1350.0	10/22/84	21.7	1328.3	5050
			03/11/85	12.3	1337.5	
13N/09W-11F01 M		1360.0	10/17/84	3.8	1356.2	5111
			04/05/85	8.8	1351.2	
13N/09W-12M02 M		1357.1	10/17/84	21.9	1335.2	5111
			04/05/85	17.8	1339.3	
13N/09W-14G02 M		1390.0	10/22/84	16.6	1373.4	5050
			03/11/85	14.9	1375.1	
13N/09W-14P02 M		1398.8	10/15/84	25.2	1373.6	5111
			04/04/85	13.2	1385.6	
13N/09W-15B02 M			10/15/84	NM-2		5111
		1376.0	04/04/85	21.1	1354.9	
13N/09W-15D01 M		1445.0	10/15/84	17.3	1427.7	5111
			04/04/85	65.2	1379.8	
13N/09W-15J01 M		1420.0	10/15/84	18.3	1401.7	5111
			04/04/85	16.4	1403.6	
13N/09W-15M01 M		1409.0	10/15/84	13.8	1395.2	5111
			04/04/85	11.7	1397.3	
13N/09W-16E02 M		1379.0	10/15/84	21.2	1357.8	5111
			04/04/85	6.5	1372.5	
13N/09W-16L01 M		1380.0	10/15/84	12.6	1367.4	5111
			04/04/85	.6	1379.4	
13N/09W-17C02 M			10/17/84	NM-2		5111
			04/05/85	NM-2		
13N/09W-18J01 M		1400.0	10/15/84	18.2	1381.8	5111
			04/03/85	13.9	1386.1	
13N/09W-18R01 M		1389.0	10/22/84	10.7	1378.3	5050
			03/11/85	.9	1388.1	
13N/09W-19J01 M		1410.0	10/15/84	13.4	1396.6	5111
			04/03/85	NM-7		
13N/09W-20F01 M		1405.3	10/15/84	12.5	1392.8	5111
			04/03/85	8.2	1397.1	
13N/09W-20P01 M		1413.0	10/15/84	13.6	1399.4	5050
			03/11/85	5.1	1407.9	
13N/09W-21F02 M		1300.0	10/22/84	119.5	1180.5	5050
			03/11/85	102.7	1197.3	
13N/09W-21J01 M		1496.0	10/15/84	68.1	1427.9	5111
			04/04/85	70.1	1425.9	
13N/09W-22C02 M		1430.0	10/22/84	27.2	1402.8	5050
			03/11/85	24.6	1405.4	
13N/09W-22F01 M		1444.0	10/15/84	35.8	1408.2	5111
			04/04/85	34.7	1409.3	
13N/09W-22M01 M		1485.0	10/15/84	100.9	1384.1	5111
			04/04/85	80.6	1404.4	
13N/09W-23F01 M		1426.9	10/15/84	42.6	1384.3	5111
			04/04/85	41.4	1385.5	
13N/09W-27D01 M		1304.0	10/15/84	13.8	1490.2	5111
			04/04/85	13.9	1490.1	
13N/09W-27Q01 M		1435.0	10/15/84	16.1	1418.9	5111
			04/04/85	15.9	1419.1	
13N/09W-28J02 M		1600.0	10/17/84	71.2	1528.8	5111
			04/05/85	72.4	1527.6	
13N/09W-28K01 M			10/17/84	NM-3		5111
		1580.0	04/05/85	16.1	1563.9	
13N/09W-28N03 M		1590.0	10/17/84	110.4	1479.6	5111
			04/05/85	110.5	1479.5	
13N/09W-29R01 M		1550.0	10/17/84	82.5	1467.5	5111
			04/05/85	90.6	1459.4	
13N/09W-30A01 M		1419.8	10/15/84	13.0	1404.8	5111
			04/03/85	4.7	1415.1	
14N/09W-31E01 M		1330.4	10/15/84	7.0	1323.4	5111
			04/03/85	.6	1329.8	
14N/09W-31N01 M		1334.7	10/15/84	9.4	1325.3	5111
			04/03/85	-.3	1335.0	
14N/09W-32G02 M		1334.5	10/17/84	14.2	1320.3	5111
			04/05/85	7.6	1326.9	
14N/09W-32M01 M		1335.2	10/17/84	12.6	1322.6	5111
			04/05/85	NM-9		
14N/09W-33K01 M		1336.5	10/17/84	16.1	1320.4	5111
			04/05/85	8.1	1328.4	
14N/09W-33L01 M		1330.0	10/17/84	14.6	1315.4	5111

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SACRAMENTO HB					
A-04	CACHE CREEK HU					
A-04.0	UPPER CACHE CREEK HA					
A-04.04	LAKEPORT HSA					
14N/09W-33L03 M		1330.0	04/05/85	3.6	1326.4	5111
14N/09W-33M02 M		1337.7	10/17/84	16.3	1321.4	5111
			04/05/85	5.4	1332.3	
14N/09W-33Q03 M		1339.0	10/22/84	17.3	1321.7	5050
			03/11/85	4.1	1334.9	
14N/09W-34L03 M		1336.6	10/17/84	11.3	1325.3	5111
			04/05/85	5.3	1331.3	
14N/10W-03M01 M			10/12/84	NM-9		5111
		1402.0	04/02/85	-1.3	1403.3	
14N/10W-03M02 M		1405.0	10/12/84	10.5	1394.5	5111
			04/02/85	1.6	1403.4	
14N/10W-03P02 M		1410.0	10/22/84	1.2	1408.8	5050
			03/11/85	-4.5	1414.5	
14N/10W-10Q01 M		1430.7	10/12/84	19.3	1411.4	5111
			04/02/85	7.2	1423.5	
14N/10W-11Q05 M		1412.0	10/22/84	9.2	1402.8	5050
			03/11/85	-13.8	1425.8	
14N/10W-11G01 M		1420.3	10/12/84	7.5	1412.8	5111
			04/02/85	1.2	1419.1	
14N/10W-34E02 M		1441.6	10/12/84	42.9	1398.7	5111
			04/02/85	10.7	1430.9	
14N/10W-34F01 M		1440.0	10/12/84	39.4	1400.6	5111
			04/02/85	8.3	1431.7	
14N/10W-15H01 M		1445.0	10/22/84	40.8(8)	1404.2	5050
			03/11/85	12.7(8)	1432.3	
14N/10W-22A03 M			10/12/84	NM-9		5111
		1463.8	04/02/85	23.7	1440.1	
14N/10W-25Q01 M		1342.2	10/15/84	3.4	1338.8	5111
			04/03/85	1.9	1340.3	
A-04.05	UPPER LAKE HSA					
15N/09W-05L01 M		1385.6	10/12/84	12.5	1373.1	5111
			04/02/85	3.5	1382.1	
15N/09W-06B01 M			10/22/84	NM-0		5050
			03/13/85	NM-0		
15N/09W-06E02 M		1365.6	10/12/84	24.5	1341.1	5111
			04/02/85	11.5	1354.1	
15N/09W-06K03 M		1364.1	10/12/84	24.0	1340.1	5111
			04/02/85	9.5	1354.6	
15N/09W-06R01 M		1361.5	10/12/84	23.6	1337.9	5111
			04/02/85	9.5	1352.0	
15N/09W-07G01 M		1346.4	10/22/84	12.7	1333.7	5050
			03/11/85	2.8	1343.6	
15N/09W-09L01 M		1430.4	10/12/84	28.8	1401.6	5111
			04/02/85	3.6	1426.8	
15N/09W-18M03 M		1331.0	10/12/84	9.1	1321.9	5111
			04/02/85	1.8	1329.2	
15N/10W-01R01 M		1356.1	10/12/84	20.4	1335.7	5111
			04/02/85	6.2	1349.9	
15N/10W-03D01 M		1362.0	10/12/84	10.4	1351.6	5111
			04/02/85	3.5	1358.5	
15N/10W-03N01 M			10/12/84	NM-9		5111
			04/02/85	NM-9		
15N/10W-04B01 M		1373.5	10/12/84	14.0	1359.5	5111
			03/11/85	2.4	1371.1	
15N/10W-04B03 M		1382.0	10/22/84	13.2	1368.8	5050
			03/11/85	3.1	1378.9	
16N/09W-31C03 M		1408.2	10/12/84	36.9	1371.3	5111
			04/02/85	23.2	1385.0	
16N/09W-31Q01 M		1387.5	10/12/84	22.7	1364.8	5111
			04/02/85	3.8	1383.7	
16N/10W-34N01 M		1394.3	10/12/84	20.6	1373.5	5111
			04/02/85	3.6	1390.5	

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SACRAMENTO HA					
A-05	VALLEY-AMERICAN HU					
A-05.4	MORRISON CREEK HA					
A-05.41	FRANKLIN HSA					
05N/05E-04C01 M		13.0	10/29/54	57.5	-44.5	5050
			11/27/54	53.6	-40.6	
			12/18/54	52.3	-39.1	
			01/24/55	50.6	-37.6	
			02/26/85	49.1	-36.1	
			03/25/85	48.2	-35.2	
			04/25/85	53.6	-38.6	
			05/24/55	52.8	-39.8	
			06/27/85	57.7	-44.7	
			07/25/55	NM-1		
			08/23/85	58.2	-45.2	
			09/23/85	56.8	-43.6	
05N/05E-10C03 M		20.8	03/15/85	43.7	-22.9	5050
05N/05E-10Q03 M		15.0	10/15/84	33.1	-18.1	4202
			03/15/85	28.5	-13.5	
06N/05E-01C03 M		39.3	10/29/84	111.8	-72.5	5050
			11/27/84	110.5	-71.2	
			12/18/94	109.6	-70.3	
			01/25/85	108.3	-69.0	
			02/22/85	107.5	-68.2	
			03/22/85	106.9	-67.6	
			04/29/85	106.8	-67.5	
			05/28/85	108.8	-69.5	
			06/24/85	111.3(4)	-72.0	
			07/26/85	114.4(4)	-75.1	
			08/22/55	114.7	-75.4	
			09/24/85	115.1	-75.8	
06N/05E-01D01 M		40.6	10/34/94	108.7	-68.1	5050
			03/34/95	101.3	-60.7	
			09/18/85	109.4	-68.8	
06N/05E-04N02 M		20.5	10/10/84	59.1(1)	-68.6	5001
			03/05/55	73.6(3)	-53.1	
06N/05E-10B01 M		34.5	10/10/84	114.6	-80.1	5001
			03/35/85	102.9	-68.4	
06N/05E-10G01 M		36.0	10/15/54	115.6	-79.6	4202
			03/15/85	102.7	-66.7	
06N/05E-14J01 M		32.5	10/10/84	105.9	-73.4	5001
			03/35/55	94.0	-61.5	
06N/05E-16A01 M		22.0	10/10/84	99.0	-77.0	5001
			03/35/55	88.1	-66.1	
06N/05E-20B01 M			10/10/94	NM-1		5001
		15.0	03/34/85	64.6	-46.6	
06N/05E-22C02 M		23.0	10/10/84	99.6	-76.6	5001
			03/35/85	88.1	-65.1	
06N/05E-24B01 M		38.0	10/10/84	80.1	-42.1	5003
			03/04/35	70.6	-32.6	
06N/05E-26F01 M		17.5	10/10/84	82.3	-64.8	5001
			03/34/85	69.4	-51.9	
06N/05E-34C02 M		23.0	10/10/84	86.0	-63.0	5001
			03/04/85	77.4	-54.4	
06N/06E-05J02 M		55.0	10/10/94	86.2	-31.2	5001
			03/05/55	80.4	-25.4	
06N/06E-07A02 M		47.0	10/15/54	92.2	-45.2	5108
			03/20/85	96.5	-49.5	
06N/06E-07M03 M		42.0	10/10/94	105.4	-63.4	5003
			03/05/55	96.1	-54.1	
06N/06E-18F03 M		43.5	10/10/84	91.1	-47.6	5001
			03/05/85	84.5	-41.0	
06N/06E-18G01 M		44.9	10/14/94	88.6	-43.7	5050
			03/31/85	79.1	-34.2	
			09/19/55	92.2	-47.3	
07N/05E-15H01 M		28.0	10/15/84	83.1	-55.1	5108
			03/20/85	79.5	-51.5	
07N/05E-20E01 M			10/12/84	NM-4		5108
07N/05E-24H03 M		39.0	10/15/84	106.8	-67.8	4202
			03/15/85	102.6	-63.6	
07N/05E-26C01 M		25.6	10/34/84	86.5	-58.2	5050
			03/01/55	81.3	-52.7	
			09/16/55	88.1	-59.5	
07N/05E-26P02 M			10/15/84	NM-7		5108
		30.0	03/20/85	94.3	-64.3	
07N/05E-28E01 M		22.5	10/12/54	71.9	-49.4	5108
			03/16/55	66.5	-44.0	
07N/05E-29P01 M		24.0	10/15/54	80.3	-56.3	4202
			03/15/55	74.6	-50.6	
07N/05E-29Q03 M		17.0	10/12/84	57.8	-40.8	5108
			03/18/55	48.4	-31.4	
07N/05E-32Q01 M		17.0	10/05/84	52.9	-35.9	5050
			03/15/85	49.7	-32.7	
07N/05E-32R03 M		19.5	10/05/54	63.7	-44.2	5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MB					
A-03 VALLEY-AMERICAN MU					
A-03.A MORRISON CREEK MA					
A-03.A1 FRANKLIN MSA					
07N/05E-32K01 M	19.5	03/13/83	62.1	-42.6	5030
07N/05E-34L01 M		10/13/84	NM-3		5108
	29.0	03/18/83	101.1	-72.1	
07N/05E-36A01 M		10/15/84	NM-7		5108
		03/20/83	NM-7		
07N/06E-10M02 M	83.0	10/13/84	126.3	-41.3	4202
		03/19/83	117.1	-32.1	
07N/06E-12A01 M	113.0	10/16/84	119.3	-4.3	5108
		03/21/83	117.5	-2.5	
07N/06E-14D01 M	90.0	10/16/84	105.4	-15.4	5108
		03/21/83	96.0	-6.0	
07N/06E-15N01 M		10/13/84	NM-3		5108
		03/21/83	NM-3		
07N/06E-20J01 M	57.0	10/15/84	101.3	-44.3	5108
		03/21/83	93.0	-36.0	
07N/06E-22C02 M	60.0	10/13/84	94.7	-34.7	4202
		03/13/83	87.3	-27.3	
07N/06E-22P02 M	70.0	10/16/84	94.8	-24.8	5108
		03/21/83	83.3	-13.3	
07N/06E-28N01 M	59.0	10/13/84	101.2	-42.2	4202
		03/15/83	94.6	-35.6	
07N/06E-32P01 M	50.3	10/13/84	108.0	-57.3	5108
		03/20/83	95.0	-44.3	
07N/06E-33J01 M	63.0	03/22/83	74.6	-11.6	5030
09N/06E-34K01 M	96.3	10/12/84	70.9	25.4	5030
		03/07/83	68.9	27.4	
A-03.A2 FLORIN MSA					
07N/05E-01H02 M	45.0	10/03/84	94.8	-49.8	5030
		03/01/83	91.5	-46.5	
		09/20/83	93.9	-48.9	
07N/05E-01J01 M	44.0	10/13/84	97.0	-53.0	4202
		03/13/83	94.6	-50.6	
07N/05E-04Q01 M	21.4	10/04/84	58.8	-37.4	5030
		03/01/83	56.9	-35.5	
		09/18/83	62.5	-41.1	
07N/05E-10M01 M	26.5	10/04/84	69.3	-42.8	5030
		03/01/83	67.7	-41.2	
		09/18/83	70.2	-43.7	
07N/05E-18C01 M	12.0	10/12/84	24.2	-12.2	5108
		03/21/83	NM-7		
07N/06E-01A01 M	113.0	10/14/84	121.6	-6.6	4202
		03/15/83	107.7	7.3	
07N/06E-08M01 M	58.5	10/15/84	101.1	-42.6	5108
		03/21/83	95.0	-36.5	
08N/04E-02K07 M	21.0	03/05/83	24.8	-3.8	5030
		09/27/83	23.1	-2.1	
08N/04E-11P01 M	17.0	10/12/84	16.6	.4	5108
		03/14/83	12.6	4.4	
08N/04E-12D01 M	13.0	10/03/84	24.2	-9.2	5030
		03/05/83	24.1	-9.1	
		09/27/83	24.6	-9.6	
08N/04E-24M01 M	23.0	10/05/84	30.3	-5.3	5030
		03/05/83	26.7	-3.7	
		09/20/83	30.3	-5.3	
08N/04E-36L01 M	5.0	10/12/84	19.8	-14.8	5108
		03/14/83	18.6	-13.6	
08N/05E-06H01 M	22.2	10/19/84	21.9	.3	5030
		03/20/83	20.0	2.2	
08N/05E-07P01 M		10/30/84	23.5	-1.3	
		11/27/84	23.4	-1.2	
		12/18/84	23.2	-1.0	
		01/28/85	23.4	-1.2	
		02/22/85	23.5	-1.3	
		03/22/85	23.4	-1.2	
		04/22/85	23.6	-1.4	
		05/30/85	23.7	-1.5	
		06/24/85	24.0	-1.8	
		07/26/85	24.4	-2.2	
		08/22/85	24.6	-2.4	
		09/27/85	24.7	-2.5	
		09/30/85	23.6	-1.4	
08N/05E-15E01 M	37.0	10/19/84	44.3	-7.3	5030
		03/08/83	43.5	-6.5	
08N/05E-16K01 M	19.9	10/04/84	22.6	-2.7	5030
		03/05/83	23.6	-3.7	
		09/18/83	24.1	-4.2	
08N/05E-18D01 M	24.7	10/04/84	26.0	-1.3	5030
		03/01/83	26.0	-1.3	
		09/18/83	26.8	-2.1	
A SACRAMENTO MB					
A-03 VALLEY-AMERICAN MU					
A-03.A MORRISON CREEK MA					
A-03.A2 FLORIN MSA					
08N/05E-21H02 M	39.5	10/15/84	52.3	-12.8	5108
		03/20/83	55.6	-16.1	
08N/05E-30A01 M	27.3	10/04/84	46.6	-19.3	5030
		03/01/83	45.4	-18.1	
		09/18/83	48.0	-20.7	
08N/05E-32P01 M	21.7	10/04/84	60.1	-38.4	5030
		03/01/83	52.0	-30.3	
		09/18/83	61.7	-40.0	
08N/05E-33J01 M	26.0	03/08/83	63.9	-37.9	5030
		09/20/83	69.4	-43.4	
08N/06E-09D04 M	74.0	10/19/84	65.8	8.2	5030
		03/07/83	65.2	8.8	
08N/06E-17H01 M	71.9	10/12/84	90.4	-18.5	5108
08N/06E-20R01 M	57.4	10/18/84	80.9	-23.5	5108
		03/28/83	73.3	-15.9	
08N/06E-21C01 M	71.0	10/19/84	78.7	-7.7	5030
		03/07/83	76.0	-5.0	
08N/06E-21N02 M	65.0	10/15/84	82.3	-17.3	4202
		03/07/83	76.3	-11.3	5030
		03/15/83	76.1	-11.1	4202
08N/06E-23J02 M	141.0	10/12/84	134.5	6.5	5030
		03/30/83	131.3	9.7	
08N/06E-26K01 M	123.0	10/18/84	133.7	-10.7	5108
		03/28/83	136.1	-13.1	
08N/06E-27H02 M	93.7	10/18/84	105.0	-11.3	5108
08N/06E-27N01 M	79.0	10/18/84	101.0	-22.0	5108
		03/28/83	94.3	-15.3	
08N/06E-30C01 M	50.0	10/15/84	73.1	-23.1	5108
		03/21/83	75.0	-25.0	
08N/06E-31F01 M	51.0	10/15/84	91.0	-40.0	5108
		03/21/83	84.0	-33.0	
08N/06E-33N01 M	64.7	10/15/84	100.7	-36.0	5108
		03/21/83	88.5	-23.8	
08N/06E-34R01 M	106.4	10/16/84	125.8	-19.4	5108
		03/21/83	124.8	-18.4	
08N/07E-02N01 M	257.6	10/16/84	144.8	112.8	5108
		03/29/83	137.0	120.6	
08N/07E-07K01 M	141.0	10/12/84	98.1	42.9	5030
		03/37/83	94.8	46.2	
08N/07E-08R01 M	180.0	10/12/84	125.5	54.5	5030
		03/37/83	121.8	58.2	
08N/07E-14C01 M	234.2	10/16/84	140.6	113.6	5108
		03/28/83	130.0	124.2	
08N/07E-18E02 M	125.0	10/12/84	107.7	17.3	5030
		03/08/83	106.5	18.5	
08N/07E-20J01 M	164.0	10/12/84	120.3	43.7	5030
		03/07/83	116.9	47.1	
08N/07E-22G01 M	220.0	10/12/84	160.0	60.0	5030
		03/08/83	157.9	62.1	
08N/07E-27C01 M	210.0	10/12/84	157.5	52.5	5030
		03/08/83	156.4	53.6	
08N/07E-31J01 M	115.4	10/18/84	99.0	16.4	5108
		03/28/83	81.2	34.2	
08N/07E-33E01 M	145.3	10/16/84	80.9	64.4	5108
		03/28/83	74.8	70.5	
09N/07E-31G01 M	133.3	10/18/84	69.9	63.4	5030
		03/07/83	67.5	65.8	
A-03.B COON-AMERICAN MA					
A-03.B1 LOWER AMERICAN MSA					
09N/05E-08J02 M	33.0	10/05/84	49.2	-16.2	5030
		03/05/83	48.9	-15.9	
09N/05E-12J01 M	80.0	10/03/84	113.0	-33.0	5030
		03/31/83	99.4	-19.4	
09N/05E-12L01 M	75.0	10/03/84	111.4	-36.4	5030
		03/20/83	99.0	-24.0	
09N/05E-14H03 M	64.0	10/03/84	97.9	-33.9	5030
		03/01/83	89.2	-25.2	
09N/05E-14L01 M	60.0	10/22/84	94.3	-34.3	5030
		03/01/83	90.4	-30.4	
09N/05E-16K01 M	41.0	10/05/54	76.2	-33.2	5030
		03/05/83	69.4	-26.4	
09N/05E-18R01 M	31.0	10/23/84	43.9	-12.9	5108
		04/01/83	36.8	-5.8	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MB					
A-05 VALLEY-AMERICAN HU					
A-05.8 COON-AMERICAN MA					
A-05.81 LOWER AMERICAN MSA					
09N/05E-21M01 M	34.0	10/05/84	54.2	-20.2	5050
		02/26/85	80.7	-46.7	
		03/05/85	52.6	-18.6	
		03/29/85	79.6	-45.6	
09N/05E-25J01 M		04/29/85	85.2	-51.2	
		05/30/85	88.3	-54.3	
		06/27/85	93.3	-59.3	
		07/26/85	95.5	-61.5	
		08/26/85	NM-1		
		09/04/85	95.2	-61.2	
		09/24/85	92.8	-58.8	
	65.0	10/30/84	87.8	-22.8	5050
		11/28/84	NM-9		
		12/16/84	84.1	-19.1	
		01/25/85	82.3	-17.3	
09N/05E-27D01 M	44.0	03/05/85	64.7	-20.7	5050
09N/05E-28H01 M	37.6	10/05/84	63.4	-25.8	5050
		03/01/85	58.9	-21.3	
09N/05E-28K01 M	32.9	10/05/84	55.2	-22.3	5050
		03/01/85	51.5	-18.6	
09N/05E-28N01 M	40.0	10/05/84	47.3	-7.3	5050
		03/01/85	46.1	-6.1	
09N/06E-02P01 M	160.0	10/22/84	158.4	1.6	5108
		04/01/85	146.8	13.2	
09N/06E-12D01 M	205.5	10/22/84	32.6	172.9	5108
		04/01/85	32.5	173.0	
09N/06E-26C01 M	96.3	10/22/84	66.0	30.3	5108
		03/28/85	56.8	39.5	
09N/06E-27D01 M	71.0	10/22/84	50.0	21.0	5108
09N/06E-33R01 M	73.2	10/22/84	50.9	22.3	5108
		03/28/85	46.8	26.4	
09N/06E-36C01 M	110.0	10/19/84	53.4	56.6	5050
		03/07/85	52.7	57.3	
09N/06E-36H01 M	118.0	10/19/84	85.4	32.6	5050
		03/07/85	81.7	36.3	
09N/07E-07F01 M	204.2	10/22/84	164.6	39.6	5108
		04/01/85	159.2	45.0	
09N/07E-09A01 M	192.0	10/22/84	79.0	113.0	5108
		04/01/85	73.0	119.0	
09N/07E-27D01 M	224.1	10/18/84	27.0	197.1	5108
		03/28/85	30.5	193.6	
10N/04E-12A01 M	43.1	11/13/84	66.4	-23.3	6244
		04/09/85	57.8	-14.7	
10N/05E-04D01 M	72.2	10/24/84	104.8	-32.6	5050
		04/01/85	99.3	-27.1	
10N/05E-05E01 M	55.0	10/25/84	88.2	-33.2	5050
		04/01/85	83.9	-28.9	
10N/05E-08L02 M	51.5	10/30/84	81.7	-30.2	5050
		04/01/85	NM-9		
10N/05E-12D01 M	105.0	10/24/84	109.3	-4.3	5050
		04/01/85	108.7	-3.7	
10N/05E-22G01 M	69.0	10/29/84	94.0	-25.0	5050
		11/29/84	91.9	-22.9	
		12/26/84	91.0	-22.0	
		01/28/85	90.1	-21.1	
		02/26/85	89.8	-20.8	
		03/27/85	88.8	-19.8	
		04/29/85	90.9	-21.9	
		05/28/85	97.1	-28.1	
		06/25/85	99.4	-30.4	
		07/26/85	101.6	-32.6	
		08/27/85	102.4	-33.4	
		09/26/85	99.0	-30.0	
10N/05E-26B02 M	81.0	10/25/84	101.9	-20.9	5108
		04/04/85	NM-7		
10N/05E-30L01 M	38.0	10/24/84	58.2	-22.2	5108
		04/02/85	41.2	-5.2	
10N/05E-32D02 M	39.0	10/05/84	51.7	-12.7	5050
		03/05/85	49.4	-10.4	
10N/05E-34M01 M		10/24/84	NM-7		5108
	47.0	04/02/85	77.5	-30.5	
10N/06E-03M01 M	136.0	10/24/84	132.9	3.1	5050
		04/01/85	129.9	6.1	
10N/06E-05H01 M	141.0	10/30/84	140.5	.5	5050
		11/27/84	138.9	2.1	
		12/18/84	138.1	2.9	
		01/28/85	136.7	4.3	
		02/26/85	136.8	4.2	
		03/29/85	136.5	4.5	
		04/29/85	136.6	4.4	
		05/28/85	138.3	2.7	
		06/27/85	139.9	1.1	
10N/06E-05H01 M	141.0	07/30/85	141.3	-.3	5050
		08/27/85	141.8	-.8	
		09/26/85	141.6	-.6	
10N/06E-10C01 M	146.4	10/24/84	138.7	7.7	5050
		04/01/85	136.2	10.2	
10N/06E-13C01 M	188.7	10/22/84	173.6	15.1	5050
		03/28/85	169.8	18.9	
10N/06E-19K02 M	150.0	10/09/84	179.9	-29.9	5050
		02/28/85	172.0	-22.0	
10N/06E-21F02 M		10/25/84	NM-7		5108
10N/07E-16B01 M	152.0	10/22/84	121.8	30.2	5050
		03/29/85	120.3	31.7	
10N/07E-20D01 M		10/23/84	NM-3		5108
	210.0	04/01/85	123.4	86.6	
10N/07E-29G01 M		10/22/84	NM-9		5108
		04/01/85	NM-9		
10N/07E-32H01 M	215.0	10/22/84	164.4	50.6	5108
		04/01/85	164.1	50.9	
11N/04E-24R01 M	47.0	11/06/84	82.2	-35.2	5415
		03/14/85	78.3	-31.3	
11N/05E-32R01 M	70.0	10/30/84	104.0	-34.0	5050
		11/27/84	102.3	-32.3	
		12/18/84	101.4	-31.4	
		01/28/85	99.7	-29.7	
		02/28/85	98.9	-28.9	
		03/29/85	97.8	-27.8	
		04/29/85	100.0	-30.0	
		05/28/85	105.0	-35.0	
		06/27/85	111.0	-41.0	
		07/30/85	113.4	-43.4	
		08/27/85	113.8	-43.8	
		09/26/85	107.5	-37.5	
A-05.82 PLEASANT GROVE MSA					
09N/03E-02D01 M	23.0	10/24/84	15.6	7.4	5108
		04/02/85	14.3	8.7	
09N/04E-01R01 M	19.5	10/23/84	24.3	-4.8	5108
		04/01/85	22.3	-2.8	
09N/04E-08L01 M	24.0	10/23/84	21.7	2.3	5108
		04/02/85	NM-7		
09N/04E-10C01 M	17.0	10/05/84	9.8	7.2	5050
		03/05/85	10.0	7.0	
09N/04E-22E01 M	12.0	10/05/84	7.7(4)	4.3	5050
		03/05/85	6.1(4)	5.9	
09N/04E-27F01 M	24.0	10/23/84	23.9	.1	5108
		04/01/85	20.3	3.7	
10N/03E-35A01 M	18.9	10/24/84	9.0	9.9	5108
		04/02/85	8.1	10.8	
10N/04E-02K01 M		11/14/84	NM-9		6244
	25.0	04/09/85	31.9	-6.9	
10N/04E-21B02 M	16.0	10/24/84	7.3	8.7	5108
		04/02/85	5.5	10.5	
10N/04E-23A01 M	15.0	10/24/84	11.6	3.4	5108
		04/02/85	9.5	5.5	
10N/04E-24B01 M	22.0	10/24/84	24.6	-2.6	5108
		04/02/85	21.2	.8	
10N/04E-36B01 M	37.0	10/05/84	36.4	.6	5050
		03/05/85	35.3	1.7	
11N/03E-01D01 M	25.6	11/14/84	12.3	13.3	6244
		04/05/85	7.2	18.4	
11N/03E-03C02 M	26.4	11/14/84	9.9	16.5	6244
		04/08/85	10.0	16.4	
11N/03E-15C01 M	28.7	11/14/84	11.3	17.4	6244
		04/08/85	15.3	13.4	
11N/04E-01M02 M	45.5	10/30/84	33.9	11.6	5050
		11/29/84	33.2	12.3	
		12/19/84	32.3	13.2	
		01/29/85	31.3	14.2	
		02/28/85	30.7	14.8	
		03/27/85	29.6	15.9	
		04/29/85	35.7	9.8	
		05/28/85	41.0	4.5	
		06/27/85	39.9	5.6	
		07/30/85	40.4	5.1	
		08/27/85	39.6	5.9	
		09/26/85	36.2	9.3	
11N/04E-01M03 M	44.3	11/15/84	37.3	9.0	6244
		04/09/85	31.1	13.2	
11N/04E-03P02 M	35.0	11/15/84	21.5	13.5	6244
		04/09/85	22.5	12.5	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

A SACRAMENTO HR
A-05 VALLEY-AMERICAN HU
A-05.8 COON-AMERICAN HA
A-05.82 PLEASANT GROVE HSA

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
11N/04E-09D02	M	28.0	10/25/84	15.9	12.1	5050
			03/27/85	14.0(4)	14.0	
11N/04E-13D01	M	47.4	11/15/84	49.4	-2.0	6244
			04/09/85	52.3	-4.9	
11N/04E-13R01	M	50.0	11/06/84	81.3	-31.3	5415
			03/14/85	68.3	-18.3	
11N/04E-15C01	M	30.9	11/15/84	22.5	8.4	6244
			04/09/85	23.6	7.3	
11N/04E-15D01	M	33.1	11/06/84	33.2	-.1	5415
			03/14/85	28.7	4.4	
11N/04E-19E02	M	29.0	11/14/84	10.5	18.5	6244
			04/08/85	11.0	18.0	
11N/04E-34H01	M	25.0	10/24/84	19.7	5.3	5050
			03/27/85	19.9	5.1	
11N/05E-06H01	M	59.0	10/24/84	56.3	2.7	5050
			04/02/85	51.1	7.9	
11N/05E-07H01	M	63.0	10/24/84	78.2	-15.2	5050
			04/02/85	67.8	-4.8	
11N/05E-15G01	M		10/30/84	MM-9		5050
		74.7	04/02/85	80.6	-5.9	
11N/05E-16H01	M	88.0	10/30/84	114.3	-26.3	5050
			04/02/85	97.6	-9.6	
11N/05E-17A04	M	72.0	10/25/84	93.4	-21.4	5050
			04/02/85	81.3	-9.3	
11N/05E-18A01	M	61.0	11/06/84	83.8	-22.8	5415
			03/14/85	75.0	-14.0	
11N/05E-20C01	M	63.0	10/24/84	99.4	-36.4	5050
			04/02/85	85.7	-22.7	
11N/05E-23B01	M	86.0	10/24/84	99.0	-13.0	5050
			04/02/85	91.3	-5.3	
11N/05E-28C01	M	70.0	10/24/84	98.8	-29.8	5050
			04/02/85	89.0	-19.0	
11N/05E-29G02	M	64.0	10/24/84	95.4	-31.4	5050
			04/02/85	86.7	-22.7	
11N/06E-06A01	M	125.0	10/22/84	101.9	23.1	5050
			03/28/85	97.8	27.2	
11N/06E-15C04	M	116.0	10/22/84	77.9	38.1	5050
			04/02/85	73.4	42.6	
11N/06E-16H02	M	112.0	10/22/84	76.1	35.9	5050
			03/28/85	71.6	40.4	
11N/06E-18P05	M	85.0	10/22/84	41.5	43.5	5050
			04/02/85	38.9	46.1	
11N/06E-30F02	M	105.0	10/22/84	116.2(4)	-11.2	5050
			04/02/85	112.7	-7.7	
11N/06E-32F03	M	125.8	10/25/84	126.4	-.6	5050
			04/01/85	123.5	2.3	
11N/06E-34H01	M	161.0	10/30/84	114.0	47.0	5050
			03/28/85	113.4	47.6	
12N/03E-23K01	M	30.0	11/14/84	11.5	18.5	6244
			04/08/85	13.2	16.8	
12N/03E-24A01	M	24.5	11/14/84	9.0	15.5	6244
			04/08/85	7.1	17.4	
12N/03E-24D01	M	30.0	04/08/85	6.7	23.3	6244
12N/03E-26R01	M		11/14/84	MM-4		6244
			04/08/85	MM-4		
12N/04E-02A01	M	56.0	11/06/84	6.9	49.1	5415
			03/14/85	1.1	54.9	
12N/04E-02P01	M	50.0	11/14/84	8.8	41.2	6244
			04/08/85	8.6	41.4	
12N/04E-05R04	M	41.0	10/30/84	16.4	24.6	5050
			11/06/84	16.3	24.7	5415
			11/28/84	15.4	25.6	5050
			12/21/84	14.2	26.8	
			01/29/85	13.8	27.2	
			02/27/85	13.2	27.8	
			03/14/85	12.8	28.2	5415
			03/27/85	12.6	28.4	5050
			04/26/85	14.7(1)	26.3	
			05/29/85	18.9(1)	22.1	
			06/27/85	21.8(1)	19.2	
			07/29/85	22.8(1)	18.2	
			08/27/85	24.3	16.7	
			09/26/85	21.6	19.4	
12N/04E-08D03	M	34.0	10/24/84	15.9	18.1	5415
			03/14/85	7.0	27.0	
12N/04E-10D02	M	48.0	11/05/84	11.4	36.6	5415
			03/14/85	8.3	39.7	
12N/04E-16A04	M	40.0	11/05/84	11.3	28.7	5415
			03/14/85	7.3	32.7	
12N/04E-18D01	M	31.4	11/14/84	12.0	19.4	6244
			04/08/85	10.6	20.8	
12N/04E-20C01	M	32.0	11/06/84	11.7	20.3	5415
			03/14/85	5.2	26.8	
12N/04E-20P01	M	29.0	11/06/84	11.3	17.7	5415
			03/14/85	5.0	24.0	
12N/04E-24M02	M	52.0	11/05/84	19.1	32.9	5415
			03/14/85	16.1	35.9	
12N/04E-34H01	M	38.0	11/05/84	12.8	25.2	5415
			03/14/85	6.2	31.8	
12N/04E-35H02	M	45.0	11/15/84	34.2	11.8	6244
			04/09/85	24.2	21.8	
12N/05E-01D02	M	97.8	10/25/84	32.6	65.2	5050
			04/03/85	27.0	70.8	
12N/05E-01R01	M	112.5	10/25/84	46.7	65.8	5050
			03/29/85	38.4	74.1	
12N/05E-04F01	M	77.0	10/25/84	30.4	46.6	5050
			04/03/85	26.5	50.5	
12N/05E-06J03	M	62.0	10/25/84	15.2	46.8	5050
			04/03/85	14.4	47.6	
12N/05E-06R01	M	69.0	10/25/84	27.3	41.7	5050
			04/03/85	25.4	43.6	
12N/05E-07H01	M	68.5	10/25/84	28.8	39.7	5050
			04/03/85	27.1	41.4	
12N/05E-12Q01	M	106.0	10/30/84	49.8	56.2	5050
			11/27/84	48.0	58.0	
			12/18/84	46.9	59.1	
			01/28/85	44.9	61.1	
			02/28/85	43.5	62.5	
			03/29/85	42.2	63.8	
			04/29/85	61.3	44.7	
			05/28/85	52.6	53.4	
			06/27/85	72.5	33.5	
			07/30/85	76.1	29.9	
			08/27/85	64.9	41.1	
			09/26/85	56.9	49.1	
12N/05E-14R01	M	103.4	10/25/84	64.9	38.5	5050
			04/02/85	55.4	48.0	
12N/05E-17A02	M	75.0	10/30/84	49.0	26.0	5050
			11/27/84	48.4	26.6	
			12/18/84	48.1	26.9	
			01/28/85	46.7	28.3	
			02/28/85	45.8	29.2	
			03/29/85	45.2	29.8	
			04/29/85	45.1	29.9	
			05/28/85	48.6	26.4	
			06/27/85	52.0	23.0	
			07/30/85	52.6	22.4	
			08/27/85	53.7	21.3	
			09/26/85	49.8	25.2	
12N/05E-18R01	M	66.0	10/25/84	45.3	20.7	5050
			04/02/85	38.1	27.9	
12N/05E-26D01	M	90.0	10/25/84	70.5	19.5	5050
			04/02/85	63.7	26.3	
12N/05E-26H02	M	91.0	10/25/84	66.1	24.9	5050
			04/02/85	59.5	31.5	
12N/05E-28C01	M	77.0	10/25/84	67.3	9.7	5050
			04/02/85	58.9	18.1	
12N/05E-29D01	M	64.0	10/25/84	42.9	21.1	5050
			04/02/85	38.3	25.7	
12N/05E-31A01	M	59.0	11/06/84	47.5	11.5	5415
			03/14/85	42.3	16.7	
12N/05E-33C01	M	67.0	10/25/84	69.5	-2.5	5050
			04/02/85	59.9	7.1	
12N/05E-35E02	M	90.2	10/25/84	89.2	1.0	5050
			04/02/85	80.7	9.5	
12N/06E-06A01	M	123.5	10/25/84	39.3	84.2	5050
			04/03/85	34.9	88.6	
12N/06E-16D01	M	132.9	10/25/84	56.7	76.2	5050
			04/02/85	55.3	77.6	
12N/06E-20P03	M	129.0	10/25/84	75.6	53.4	5050
			04/02/85	76.2	52.8	
12N/06E-27D02	M	139.0	10/25/84	87.2	51.8	5050
			04/02/85	87.0	52.0	
12N/06E-28M01	M	128.5	10/22/84	85.7	42.8	5050
			04/02/85	81.9	46.6	
12N/06E-30L01	M	108.3	10/25/84	65.6	42.7	5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
4 SACRAMENTO HB					
A-05 VALLEY-AMERICAN HU					
A-05.8 COON-AMERICAN HA					
A-05.82 PLEASANT GROVE HSA					
12N/06E-32K01 M	117.0	10/22/84	88.0	29.0	5050
		03/28/85	84.1	32.9	
13N/04E-22G01 M	54.5	04/09/85	23.4	31.1	6244
13N/04E-23A02 M	57.0	10/24/84	16.4	40.6	5415
		03/14/85	16.0	41.0	
13N/04E-26R01 M	59.0	11/15/84	32.0	27.0	6244
		04/09/85	24.6	34.4	
13N/04E-28R01 M	48.0	11/05/84	22.5	25.5	5415
		03/14/85	18.1	29.9	
13N/04E-29A02 M	40.0	10/24/84	16.8	23.2	5415
		03/14/85	12.3	27.7	
13N/04E-29F01 M	39.0	04/09/85	10.8	28.2	6244
13N/04E-32G01 M	45.0	10/24/84	17.8	27.2	5415
		03/14/85	15.4	29.6	
13N/04E-36E01 M	60.0	10/30/84	23.0	37.0	5050
		11/28/84	22.9	37.1	
		12/18/84	22.3	37.7	
		01/28/85	21.5	38.5	
		02/28/85	20.9	39.1	
		03/27/85	20.3	39.7	
		04/29/85	23.8	36.2	
		05/28/85	29.6	30.4	
		06/27/85	48.4	11.6	
		07/30/85	MM-1		
		08/27/85	39.2	20.8	
		09/26/85	26.5	33.5	
13N/05E-28N01 M	80.2	11/13/84	35.0	45.2	6244
		04/09/85	23.3	56.9	
13N/05E-30A01 M	70.5	11/15/84	42.3	28.2	6244
		04/09/85	25.8	44.7	
13N/05E-31K01 M	68.0	11/05/84	24.9	43.1	5415
		03/14/85	21.0	47.0	
13N/05E-34P01 M	87.0	10/25/84	27.3	59.7	5050
		04/03/85	24.2	62.8	
13N/05E-34R04 M	90.0	10/25/84	28.6	61.4	5050
		04/03/85	23.4	66.6	
13N/06E-30M01 M	107.8	10/25/84	28.4	79.4	5050
		04/03/85	22.5	85.3	
4 SACRAMENTO HB					
A-07 COLUSA 8451N HU					
A-07.4 SYCAMORE-SUTTER HA					
11N/03E-20M03 M	27.0	11/19/84	8.2	18.8	6244
		04/10/85	10.3	16.7	
12N/02E-20P01 M		11/19/84	MM-9		6244
	25.0	04/10/85	7.0	18.0	
12N/02E-23K01 M	20.0	11/19/84	5.1	14.9	6244
		04/10/85	4.1	15.9	
13N/01E-11A01 M	31.8	10/30/84	14.1(4)	17.7	5050
		03/07/85	6.6	25.2	
13N/01E-12J02 M	38.0	11/19/84	11.6	26.4	6244
		04/11/85	14.1	23.9	
13N/02E-17A01 M	25.0	10/26/84	6.4	18.6	5050
		04/04/85	6.2	18.8	
13N/03E-32H01 M	23.0	11/19/84	2.4	20.6	6244
		04/10/85	4.9	18.1	
14N/01E-08A06 M	39.0	11/19/84	5.5	33.5	6244
		04/10/85	6.6	32.4	
14N/01E-14G01 M	37.0	11/19/84	6.6	30.4	6244
		04/11/85	6.1	30.9	
14N/01E-21L01 M	37.0	10/30/84	10.6	26.4	5050
		03/07/85	9.7	27.3	
14N/01E-24D01 M	37.0	11/19/84	8.0	29.0	6244
		04/11/85	9.4	27.6	
14N/02E-31K01 M	31.0	11/19/84	7.0	24.0	6244
		04/11/85	5.1	25.9	
15N/01E-16R01 M	43.5	11/12/84	7.4	33.1	6244
		04/12/85	6.6	33.9	
14N/01W-03L02 M		03/07/85	MM-0		5050
14N/01W-04K03 M	35.0	10/09/84	5.2	29.8	5050
		03/07/85	4.0	31.0	
14N/01W-12A01 M	35.0	10/30/84	11.6(8)	24.4	5050
		03/07/85	6.4	29.6	
15N/01W-05G01 M	45.0	10/05/84	9.6	35.4	5050
		03/07/85	6.0	39.0	
15N/01W-25A01 M	50.0	11/19/84	12.2	37.8	6244
		04/11/85	13.7	36.3	
15N/02W-13H01 M		10/05/84	MM-0		5050
		03/07/85	MM-0		
16N/02W-12J02 M	56.0	10/05/84	14.5	41.5	5050
		03/07/85	10.2	45.8	
16N/02W-25B02 M	53.0	10/04/84	14.9	38.1	5050
		03/07/85	12.0	41.0	
17N/02W-25G02 M	68.0	10/05/84	21.5	46.5	5050
		03/08/85	16.9	51.9	
A-07.8 GLENN COLUSA HA					
A-07.81 COLUSA TROUGH HSA					
10N/01E-02D02 M	72.5	10/30/84	41.7	30.8	5104
		03/20/85	35.9	36.6	
10N/01E-10G01 M	84.0	10/29/84	59.6	24.4	5104
		03/20/85	48.5	35.5	
10N/01E-12B04 M	78.0	10/26/84	46.9	31.1	5050
		11/29/84	43.7	34.3	
		12/20/84	42.3	35.7	
		01/29/85	41.3	36.7	
		02/27/85	41.7	36.3	
		03/26/85	41.4	36.5	
		04/26/85	62.8	15.2	
		05/29/85	95.8	-17.8	
		06/26/85	97.8	-19.8	
		07/29/85	85.2	-7.2	
		08/25/85	71.8	6.2	
		09/25/85	63.5	14.5	
10N/01E-14K01 M	91.0	10/30/84	59.8	31.2	5104
		03/15/85	57.4	33.6	
10N/01E-15D01 M		10/30/84	MM-3		5104
		03/15/85	MM-3		
10N/01E-15R01 M	94.0	10/30/84	60.4	33.6	5104
		03/15/85	58.0	36.0	
10N/01E-17L01 M		10/25/84	MM-9		5104
		03/15/85	MM-9		
10N/02E-01R02 M	30.0	10/29/84	15.5	14.5	5104
		03/20/85	9.9	20.1	
10N/02E-03R02 M	37.0	10/29/84	20.5	16.5	5104
		03/20/85	14.0	23.0	
10N/02E-04R01 M	44.0	10/29/84	17.5(8)	26.5	5104
		03/20/85	MM-9		
10N/02E-06B01 M	65.0	10/29/84	36.1	28.9	5104

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

A SACRAMENTO HR
A-07 COLUSA BASIN HU
A-07.8 GLENN COLUSA HA
A-07.81 COLUSA TROUGH MSA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
10N/02E-06B01 M	65.0	03/20/85	32.8	32.2	5104
10N/02E-06M01 M	72.0	10/29/84	44.5	27.5	5104
		03/20/85	39.8	32.2	
10N/02E-08D02 M	67.0	10/29/84	35.4	31.6	5104
		03/20/85	32.8	34.2	
10N/02E-08E01 M	67.0	10/29/84	36.5	30.5	5104
		03/20/85	29.2	37.8	
10N/02E-09N01 M	63.0	10/29/84	41.8	21.2	5104
		03/20/85	30.1	32.9	
11N/01E-03D01 M		10/12/84	NM-9		5001
	30.0	03/13/85	7.7	22.3	
11N/01E-03E01 M	36.0	10/12/84	34.1	1.9	5001
		03/13/85	11.3	24.7	
11N/01E-04E02 M	37.0	10/12/84	30.2	6.8	5001
		03/12/85	NM-4		
11N/01E-06R02 M	35.0	10/12/84	39.5	-4.5	5001
		03/11/85	14.2	20.8	
11N/01E-07H01 M	42.0	10/12/84	11.4	30.6	5001
		03/14/85	NM-7		
11N/01E-08K01 M	43.5	10/12/84	39.6	3.9	5001
		03/11/85	18.0	25.5	
11N/01E-09F02 M	45.0	10/12/84	29.7	15.3	5001
		03/12/85	12.8	32.2	
11N/01E-09P01 M	47.3	10/12/84	15.7	31.8	5001
		03/11/85	16.9	30.6	
11N/01E-14E01 M		10/12/84	NM-4		5001
		03/11/85	NM-0		
11N/01E-15C01 M	42.0	10/12/84	32.4	9.6	5001
		03/11/85	13.4	28.6	
11N/01E-16P01 M	50.0	10/26/84	36.7	13.3	5030
		11/29/84	28.1	21.9	
		12/20/84	25.0	25.0	
		01/29/85	21.8	28.2	
		02/27/85	28.0	22.0	
		03/26/85	26.9	23.1	
		04/26/85	76.6	-26.6	
		05/29/85	97.9	-47.9	
		06/26/85	119.2(A)	-69.2	
		07/29/85	112.0	-62.0	
		08/26/85	91.6	-41.6	
		09/25/85	58.3	-8.3	
11N/01E-16Q01 M	45.0	10/09/84	43.4	1.6	5001
		03/11/85	21.7	23.3	
11N/01E-17F01 M	50.5	10/09/84	25.3	25.2	5001
		03/11/85	NM-9		
11N/01E-18C01 M	52.0	10/09/84	56.2	-4.2	5001
		03/11/85	30.3	21.7	
11N/01E-18R01 M	57.0	10/09/84	58.1	-1.1	5001
		03/11/85	32.5	24.5	
11N/01E-22Q01 M	56.0	10/12/84	49.8	6.2	5001
		03/13/85	25.7	30.3	
11N/01E-23C02 M		10/12/84	NM-7		5001
		03/11/85	NM-0		
11N/01E-23G02 M	52.0	10/12/84	38.5	13.5	5001
		03/11/85	21.5	30.5	
11N/01E-23P01 M	56.0	10/12/84	42.0	14.0	5001
		03/13/85	27.6	28.4	
11N/01E-24D01 M	47.0	10/12/84	38.2	8.8	5001
		03/11/85	18.5	28.5	
11N/01E-24R01 M	44.0	10/12/84	25.6	18.4	5001
		03/14/85	12.4	31.6	
11N/01E-25N01 M	52.0	10/12/84	33.7	18.3	5001
		03/13/85	20.4	31.6	
11N/01E-26Q01 M	60.0	10/12/84	45.7	14.3	5001
		03/13/85	27.0	33.0	
11N/01E-26N02 M	66.0	10/12/84	25.8	40.2	5001
		03/13/85	27.6	38.4	
11N/01E-27N02 M	63.0	10/09/84	52.7	10.3	5001
		03/11/85	32.2	30.8	
11N/01E-35J02 M	58.0	10/12/84	35.3	22.7	5001
		03/13/85	22.9	35.1	
11N/01E-36H01 M	60.0	10/12/84	41.4	18.6	5001
		03/14/85	27.0	33.0	
11N/02E-07P01 M	39.0	10/12/84	19.7	19.3	5001
		03/14/85	15.0	24.0	
11N/02E-17P01 M	42.0	10/12/84	26.6	15.4	5001
11N/02E-17P01 M	42.0	03/14/85	14.9	27.1	5001
11N/02E-18N01 M	43.0	10/12/84	29.9	10.1	5001
		03/14/85	13.5	26.5	
11N/02E-20K04 M	50.0	10/26/84	24.4	25.6	5030
		11/29/84	23.7	26.3	
		12/20/84	23.3	26.7	
		01/29/85	22.9	27.1	
		02/27/85	22.9	27.2	
		03/26/85	22.9	27.1	
		04/26/85	31.4	18.6	
		05/29/85	39.5	10.5	
		06/25/85	39.6	10.4	
		07/29/85	39.8	10.2	
		08/26/85	33.0	17.0	
		09/25/85	30.4	19.6	
11N/02E-29D01 M	55.0	10/12/84	23.9	31.3	5001
		03/14/85	21.8	33.2	
11N/02E-29Q01 M	45.0	10/12/84	23.0	22.0	5001
		03/14/85	13.0	32.0	
11N/02E-30P05 M		10/12/84	NM-4		5001
		03/14/85	NM-3		
11N/02E-35E01 M	32.0	04/08/85	10.6	21.4	5030
12N/01W-05B01 M	137.9	10/29/84	109.1	28.8	5030
		11/29/84	107.7	30.2	
		12/20/84	106.3	31.6	
		01/29/85	105.2	32.7	
		02/27/85	104.2	33.7	
		03/26/85	103.5	34.4	
		04/26/85	105.1	32.8	
		05/29/85	108.0	29.9	
		06/26/85	110.0	27.9	
		07/29/85	112.1	25.8	
		08/26/85	111.7	26.2	
		09/25/85	110.3	27.6	
12N/01W-06J01 M		10/09/84	NM-9		5001
	165.0	03/11/85	117.0	48.0	
12N/01W-09R02 M	80.0	10/09/84	60.3	19.7	5001
		03/11/85	55.5	24.5	
12N/01W-14M01 M	43.5	10/09/84	29.3	14.2	5001
		03/11/85	16.9	26.6	
12N/01W-15K01 M	54.0	10/09/84	34.2	19.8	5001
		03/11/85	25.3	28.7	
12N/01W-15L01 M	61.0	10/09/84	46.8	14.2	5001
		03/11/85	36.5	24.5	
12N/01W-22R01 M	51.0	10/29/84	30.0	21.0	5030
		11/29/84	29.2	21.8	
		12/20/84	28.4	22.6	
		01/29/85	27.7	23.3	
		02/27/85	27.2	23.8	
		03/26/85	26.7	24.3	
		04/26/85	28.0	23.0	
		05/29/85	32.8	18.2	
		06/26/85	31.4	19.6	
		07/29/85	32.1	18.9	
		08/26/85	31.0	20.0	
		09/25/85	29.1	21.9	
12N/01W-26L02 M	50.0	10/09/84	38.1	11.9	5001
		03/11/85	25.0	25.0	
12N/01W-26Q01 M	50.0	10/09/84	40.9	9.1	5001
		03/11/85	26.3	23.7	
12N/01W-36K02 M	37.0	10/09/84	37.2	-.2	5001
		03/11/85	19.2	17.8	
13N/01W-05M02 M	64.0	10/12/84	35.7	28.3	5001
		03/13/85	25.8	38.2	
13N/01W-05R01 M	41.7	10/12/84	16.3	25.4	5001
		03/13/85	NM-3		
13N/01W-07G01 M	88.0	10/09/84	63.1	24.9	5030
		03/07/85	56.8	31.2	
13N/01W-08M01 M	75.0	10/12/84	48.6	26.4	5001
		03/13/85	41.5	33.5	
13N/01W-08Q02 M		10/12/84	NM-1		5001
		03/13/85	NM-3		
13N/01W-15N03 M	43.0	10/12/84	20.6	22.4	5001
		03/13/85	12.8	30.2	
13N/01W-16N03 M	56.0	10/12/84	33.7	22.3	5001
		03/13/85	24.7	31.3	
13N/01W-22P02 M	58.0	10/12/84	39.6	18.4	5001
		03/13/85	29.9	28.1	
13N/01W-23F02 M	40.0	10/12/84	22.8	17.2	5001
		03/13/85	9.9	30.1	
13N/01W-28E02 M	91.0	10/12/84	66.2	24.8	5001
		03/13/85	59.6	31.4	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
4 SACRAMENTO HB					
4-07 COLUSA BASIN HU					
4-07.8 GLENN COLUSA HA					
4-07.81 COLUSA TROUGH HSA					
13N/01W-35L02 M	65.0	10/09/84	47.3	17.7	5050
		03/07/85	41.5	23.5	
13N/01W-36N01 M	48.0	10/09/84	32.7	15.3	5001
		03/11/85	24.5	23.5	
13N/02W-04G01 M	187.0	10/12/84	86.3	100.7	5050
		12/12/84	80.2	106.8	5001
		02/20/85	78.3	108.7	
		03/12/85	77.4	109.6	5050
		05/16/85	81.9	105.1	5001
		07/17/85	85.6	101.4	
		09/25/85	83.6	103.4	
13N/02W-04G03 M	187.0	10/12/84	82.0	105.0	5050
		12/12/84	75.8	111.2	5001
		02/20/85	74.1	112.9	
		03/12/85	74.1	112.9	5050
		05/16/85	75.6	111.4	5001
		07/17/85	79.8	107.2	
		09/25/85	78.2	108.8	
13N/02W-04G04 M	186.6	10/12/84	61.8	124.8	5050
		12/12/84	58.7	127.9	5001
		02/20/85	57.1	129.5	
		03/12/85	58.2	128.4	
		05/16/85	57.6	129.0	
		07/17/85	56.7	129.9	
		09/25/85	57.8	128.8	
13N/02W-11M01 M	185.0	10/12/84	91.7	93.3	5001
		03/12/85	97.5	87.5	
13N/02W-12L01 M	133.0	10/09/84	81.5	51.5	5001
		03/12/85	72.2	60.8	
13N/02W-13C01 M	135.0	10/09/84	109.1	25.9	5050
		03/07/85	94.0	41.0	
13N/02W-13R01 M	142.0	10/09/84	117.2	24.8	5001
		03/12/85	99.2	42.8	
13N/02W-15D01 M		10/12/84	NM-9		5001
	247.0	03/12/85	95.6	151.4	
13N/02W-15J01 M	210.0	10/09/84	122.6	87.4	5050
		03/07/85	116.5	93.5	
13N/02W-20H01 M	338.0	10/09/84	111.5(2)	226.5	5050
		03/07/85	187.5	150.5	
13N/02W-22H01 M	245.0	10/12/84	107.0	138.0	5001
		03/12/85	110.2	134.8	
13N/02W-22H02 M	255.0	10/12/84	143.2	111.8	5001
		03/12/85	139.4	115.6	
13N/02W-23L01 M	230.0	10/09/84	116.0	114.0	5050
		03/07/85	110.8	119.2	
13N/02W-25F01 M	189.0	10/12/84	107.0	82.0	5001
		03/12/85	92.0(4)	97.0	
14N/02W-04B02 M	79.0	10/12/84	13.9	65.1	5001
		03/13/85	12.6	66.4	
14N/02W-09B01 M	78.0	10/12/84	27.3	50.7	5001
		03/13/85	NM-9		
14N/02W-13N01 M	60.0	10/12/84	28.2	31.8	5001
		03/13/85	17.8	42.2	
14N/02W-16N02 M	118.0	10/09/84	41.2	76.8	5050
		03/07/85	36.8	81.2	
14N/02W-23P01 M	89.0	10/12/84	38.2(3)	50.8	5001
		03/13/85	NM-9		
14N/02W-29J01 M	160.0	10/09/84	61.8	98.2	5050
		03/07/85	63.0	97.0	
14N/02W-31N02 M	283.0	03/08/85	54.1	228.9	5001
14N/02W-34N01 M	159.1	10/12/84	58.3	100.8	5001
		03/08/85	54.1	105.0	
14N/02W-36D01 M	94.0	10/12/84	67.1(3)	26.9	5001
		03/13/85	41.6	52.4	
14N/02W-36N02 M	110.5	10/12/84	63.5	47.0	5001
		03/13/85	56.0	54.5	
14N/03W-01K01 M	122.0	10/09/84	29.0	93.0	5050
	121.0	03/07/85	29.0	92.0	
14N/03W-11A01 M	138.0	10/09/84	47.1	88.9	5050
		03/07/85	45.5	90.5	
14N/03W-11H01 M	135.0	10/09/84	55.0	80.0	5050
		03/07/85	44.7	90.3	
14N/03W-12F02 M	123.0	10/09/84	35.3	87.7	5001
		03/08/85	33.9	89.1	
14N/03W-14G02 M	171.0	10/09/84	104.2	66.8	5050
		03/07/85	98.1	72.9	
14N/03W-24C01 M	170.0	10/10/84	79.9	90.1	5001
		03/08/85	81.1	88.9	
14N/03W-25A01 M	215.0	10/12/84	142.0	73.0	5001
		03/08/85	143.8	71.2	
14N/03W-36B01 M	275.0	10/12/84	106.3	168.7	5001
		03/05/85	106.2	168.8	
15N/02W-19E01 M	85.0	10/05/84	12.9	72.1	5050
		03/38/85	10.4	74.6	
15N/02W-31Q02 M	97.0	10/09/84	18.7	78.3	5050
		03/07/85	9.4	87.6	
15N/03W-01M01 M	70.0	10/05/84	29.0(1)	41.0	5050
		03/08/85	21.1(1)	48.9	
15N/03W-18J01 M	118.5	10/10/84	3.9	114.6	5050
		03/08/55	3.9	114.6	5001
15N/03W-28A01 M	115.0	10/35/54	3.3	111.7	5050
		03/07/85	4.9	110.1	
15N/03W-32B01 M	150.0	10/10/84	15.0	135.0	5001
		03/35/85	18.2	131.8	
15N/03W-33Q01 M	147.0	10/09/84	30.0	117.0	5050
		01/07/85	31.4	115.6	
15N/03W-35G01 M	122.0	10/10/84	28.0	94.0	5001
		03/08/85	27.8	94.2	
15N/04W-11G01 M	141.0	10/05/84	3.8	137.2	5050
		03/08/85	2.9	138.1	
16N/03W-07D01 M	113.0	10/05/84	7.5	105.5	5050
		03/08/85	9.8	103.2	
16N/03W-14H02 M	63.0	10/05/84	7.0	56.0	5050
		03/07/85	4.5	58.5	
16N/03W-35H02 M	73.0	10/05/84	9.5	63.5	5050
		03/07/85	5.6	67.4	
16N/04W-02P01 M	160.0	10/05/84	13.8	146.2	5050
		03/08/85	15.4	144.6	
17N/02W-30J02 M	61.0	10/05/84	5.9	55.1	5050
		03/07/55	4.1	56.9	
17N/03W-08R01 M	105.0	10/05/84	15.0	90.0	5050
		03/38/85	16.4	88.6	
17N/03W-10C01 M	94.2	10/05/84	6.7	87.5	5050
		03/07/83	7.8	86.4	
17N/03W-32H01 M	98.0	10/05/84	4.8	93.2	5050
		03/08/85	6.9	91.1	
18N/02W-18K01 M	81.0	10/05/84	21.2	59.8	5050
		03/07/85	9.3	71.7	
18N/02W-36B01 M	73.0	10/05/54	11.6	61.4	5050
		03/37/85	11.4	61.6	
18N/03W-10L01 M	95.0	10/12/84	3.3	91.7	5050
		03/11/85	3.8	91.4	
18N/03W-22D01 M		10/10/84	NM-6		5105
18N/04W-11B03 M	151.0	10/10/84	13.4	137.6	5105
		03/07/55	14.9	136.1	
18N/04W-12A01 M	130.0	10/10/84	5.2	124.8	5105
		03/37/85	4.1	125.9	
18N/04W-23F01 M	151.0	10/10/84	12.6	138.4	5105
		03/07/85	17.0	134.0	
19N/02W-09A01 M	96.1	10/39/84	5.5	90.6	5105
		03/37/55	6.4	89.7	
19N/02W-13J01 M	86.0	10/12/54	12.2	73.8	5050
		03/11/85	12.0	74.0	
19N/02W-23D01 M	85.0	10/09/84	9.1	76.9	5105
		03/38/85	9.3	76.7	
19N/02W-29D01 M	90.0	10/09/84	4.5	85.5	5105
		03/35/85	3.7	84.3	
19N/02W-34F01 M	83.0	10/39/84	5.9	77.1	5105
		03/06/85	6.0	77.0	
19N/02W-36H01 M	81.4	10/09/84	8.0	73.4	5105
		03/08/85	10.2	71.2	
19N/03W-06N02 M	153.7	10/11/54	11.8	141.9	5001
		03/37/85	8.0	145.7	
19N/03W-07J01 M	147.4	10/11/84	16.3	131.1	5001
		03/37/55	NM-9		
19N/03W-07N01 M	153.3	10/11/84	14.6	138.7	5001
		03/07/55	13.9	139.4	
19N/03W-26P01 M	98.0	10/10/84	.0	98.0	5105
		03/37/55	-.6	98.6	
19N/03W-31A01 M		10/10/84	NM-9		5105
		03/07/85	NM-9		

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MB					
A-07 COLUSA BASIN MU					
A-07.8 GLENN COLUSA HA					
A-07.81 COLUSA TROUGH HSA					
19N/04W-01A01 M	165.0	10/10/84	17.9	147.1	5105
		03/07/85	15.8	149.2	
19N/04W-12E01 M	174.0	10/12/84	13.1	160.9	5050
		03/11/85	11.3	162.7	
19N/04W-25B01 M	152.3	10/10/84	5.8	146.5	5105
		03/07/85	6.9	145.4	
20N/01W-07B01 M	115.0	10/09/84	6.0	109.0	5105
		03/08/85	8.6	106.4	
20N/02W-02J01 M	125.0	10/09/84	7.0	118.0	5105
		03/06/85	7.2	117.8	
20N/02W-05A01 M	144.0	10/09/84	9.4	134.6	5105
		03/04/85	9.0	135.0	
20N/02W-11A01 M	123.0	10/12/84	6.0	117.0	5050
		03/11/85	6.5	116.5	
20N/02W-11A02 M	123.0	10/12/84	9.1	113.9	5050
		03/11/85	9.1	113.9	
20N/02W-11A03 M	123.0	10/12/84	17.7	105.3	5050
		03/11/85	17.6	105.4	
20N/02W-13G01 M	113.0	10/09/84	4.3	108.7	5105
		03/08/85	5.0	108.0	
20N/02W-27J01 M	102.0	10/09/84	5.6	96.4	5105
		03/06/85	5.4	96.6	
20N/02W-29G01 M	117.0	10/09/84	5.8	111.2	5105
		03/07/85	6.3	110.7	
20N/03W-03D02 M	164.0	10/10/84	16.1	147.9	5105
		03/07/85	12.1	151.9	
20N/03W-07K03 M	166.0	10/11/84	18.3	147.7	5001
		03/07/85	16.0	150.0	
20N/03W-12C01 M	159.0	10/10/84	25.0	134.0	5105
		03/07/85	18.1	140.9	
20N/03W-17P01 M	153.0	10/10/84	5.2	147.8	5105
		03/07/85	4.4	148.6	
20N/03W-19B01 M	159.5	10/11/84	5.7	153.8	5001
		03/07/85	NM-9		
20N/03W-19N01 M	158.0	10/11/84	9.2	148.8	5001
		03/07/85	9.7	148.3	
20N/03W-19Q01 M	153.0	10/11/84	9.8	143.2	5001
		03/07/85	10.0	143.0	
20N/03W-21A03 M	144.0	10/11/84	9.9	134.1	5001
		03/06/85	9.1	134.9	
20N/03W-23G02 M	146.0	10/10/84	23.9	122.1	5105
		03/07/85	17.8	128.2	
20N/03W-29P01 M	147.0	10/11/84	13.1	133.9	5001
		03/07/85	9.8	137.2	
20N/03W-31A03 M	150.0	10/11/84	12.9	137.1	5001
		03/07/85	10.1	139.9	
20N/03W-32Q01 M	150.0	10/11/84	24.2	125.8	5001
		03/07/85	20.5	129.5	
20N/03W-33J01 M	136.0	10/11/84	13.6	122.4	5001
		03/06/85	7.2	128.8	
20N/04W-12F02 M	187.0	10/10/84	10.7	176.3	5105
		03/07/85	12.4	174.6	
20N/04W-25J01 M	158.0	10/11/84	13.1	144.9	5001
		03/07/85	15.5	142.5	
21N/02W-07E01 M	190.0	10/09/84	13.0	177.0	5105
		03/04/85	15.0	175.0	
21N/02W-09M02 M	179.0	10/09/84	22.2	156.8	5105
		03/04/85	20.3	158.7	
21N/02W-19N01 M	172.0	10/09/84	13.7	158.3	5105
		03/04/85	14.9	157.1	
21N/02W-20B01 M	166.0	10/11/84	15.4	150.6	5105
		03/04/85	14.3	151.7	
21N/02W-31M01 M	161.0	10/09/84	18.5	142.5	5105
		03/07/85	14.2	146.8	
21N/03W-02B01 M	219.0	10/09/84	15.7	203.3	5105
		03/04/85	17.4	201.6	
21N/03W-09R01 M	220.8	10/11/84	23.8	197.0	5001
		03/06/85	NM-4		
21N/03W-11G01 M	200.0	10/09/84	15.0	185.0	5105
		03/04/85	19.7	180.3	
21N/03W-12C02 M	202.0	10/09/84	15.1	186.9	5105
		03/04/85	16.8	185.2	
21N/03W-18A02 M	221.6	10/11/84	61.5	160.1	5001
		03/06/85	53.6	168.0	5001
21N/03W-20D02 M	205.1	10/11/84	45.4	160.7	5001
		03/06/85	40.2	165.9	
21N/03W-22H01 M	202.0	10/10/84	29.3	172.7	5105
		03/07/85	28.9	173.1	
21N/03W-24P01 M	178.0	10/09/84	16.7	161.3	5105
		03/07/85	16.9	161.1	
21N/03W-31C02 M	199.0	10/11/84	42.9	156.1	5001
		03/07/85	38.5	160.5	
21N/03W-31H01 M	187.0	10/10/84	33.3	153.7	5105
		03/07/85	29.5	157.5	
21N/03W-31R02 M	183.0	10/10/84	27.4	155.6	5050
		12/12/84	22.2	160.8	5001
		02/20/85	20.2	162.8	
		03/07/85	25.8	157.2	5050
		05/16/85	42.1	140.9	5001
		07/17/85	47.2	135.8	
		09/25/85	29.1	153.9	
21N/03W-31R03 M	183.0	10/10/84	5.2	177.8	5050
		12/12/84	5.0	178.0	5001
		02/20/85	4.9	178.1	
		03/07/85	4.9	178.1	5050
		05/16/85	4.9	178.1	5001
		07/17/85	5.3	177.7	
		09/25/85	5.6	177.4	
21N/03W-31R04 M	183.0	10/10/84	27.6	155.4	5050
		12/12/84	22.6	160.4	5001
		02/20/85	20.4	162.6	
		03/07/85	24.6	158.4	5050
		05/16/85	44.2	138.8	5001
		07/17/85	39.3	143.7	
		09/25/85	27.0	156.0	
21N/03W-31R05 M	183.0	10/10/84	26.9	156.1	5050
		12/12/84	23.7	159.3	5001
		02/20/85	21.1	161.9	
		03/37/85	25.2	157.8	5050
		05/16/85	29.8	153.2	5001
		07/17/85	34.7	148.3	
		09/25/85	28.4	154.6	
21N/03W-31R06 M	183.0	10/10/84	2.8	180.2	5050
		12/12/84	.4	182.6	5001
		02/20/85	2.4	180.6	
		03/07/85	2.2	180.8	5050
		05/16/85	2.7	180.3	5001
		07/17/85	1.6	181.4	
		09/25/85	3.4	179.6	
21N/03W-32N01 M	184.4	10/11/84	28.1	156.3	5001
		03/07/85	25.4	159.0	
21N/03W-33A04 M	174.0	10/11/84	20.9	153.1	5001
		03/06/85	18.1	155.9	
21N/03W-35L02 M	160.0	10/12/84	15.7	144.3	5050
		03/11/85	11.2	148.8	
21N/04W-23H01 M	259.0	10/11/84	98.5	160.5	5001
		03/06/85	NM-9		
21N/04W-24A02 M	230.0	10/11/84	74.2	155.8	5001
		03/06/85	69.2	160.8	
A-07.82 ORLAND HSA					
21N/02W-02B02 M	161.0	10/09/84	21.8	139.2	5105
		03/04/85	23.6	137.4	
21N/02W-03Q01 M	162.6	10/09/84	16.8	145.8	5105
		03/04/85	13.0	149.6	
21N/02W-15B01 M	161.0	10/09/84	22.6	138.4	5105
		03/04/85	21.0	140.0	
21N/02W-23G01 M	152.0	10/12/84	20.5(8)	131.5	5050
		03/11/85	18.3(8)	133.7	
22N/02W-20D01 M	199.0	10/11/84	8.1	190.9	5105
		03/04/85	9.3	189.7	
22N/02W-31C01 M	203.0	10/12/84	11.0	192.0	5050
		03/11/85	7.8	195.2	
22N/02W-32H03 M	187.0	10/11/84	11.0	176.0	5105
		03/04/85	9.8	177.2	
22N/02W-36D01 M	158.7	10/11/84	12.1	146.6	5105
		03/08/85	13.1	145.6	
22N/03W-21F02 M	262.0	10/12/84	18.0	244.0	5050
		03/11/85	21.0	241.0	
22N/03W-29B01 M	268.0	10/11/84	17.8	250.2	5001
		03/06/85	24.3	243.7	
22N/03W-30C01 M	285.0	10/12/84	93.4	191.6	5050
		03/11/85	83.3	201.7	
22N/03W-32R01 M	247.2	10/11/84	18.0	229.2	5001
		03/06/85	23.4	223.8	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO HA					
A-07 COLUSA BASIN HU					
A-07.B GLENN COLUSA HA					
A-07.B2 ORLAND HSA					
22N/03W-33A02 M	242.0	10/11/84	18.8	223.2	5001
		03/06/85	22.8	219.2	
22N/03W-34A01 M	233.0	10/09/84	9.5	223.5	5105
		03/04/85	12.4	220.6	
A-07.C SUTTER BYPASS HA					
13N/03E-02H01 M	42.9	11/13/84	13.8	29.1	6244
		04/10/85	13.6	27.3	
13N/03E-04J01 M	38.0	11/13/84	8.2	29.8	6244
		04/10/85	8.5	29.5	
13N/03E-06K01 M	33.7	11/13/84	10.2	23.5	6244
		04/10/85	8.6	25.1	
13N/03E-08M02 M	33.0	11/13/84	5.9	27.1	6244
		04/10/85	5.5	27.5	
13N/03E-13D01 M	38.8	11/13/84	14.6	24.2	6244
		04/10/85	13.1	25.7	
13N/03E-14C02 M	36.0	11/13/84	8.4	27.6	6244
		04/10/85	10.0	26.0	
13N/03E-16A01 M	34.6	11/13/84	7.1	27.5	6244
		04/10/85	8.2	26.4	
14N/03E-05C01 M	49.1	11/12/84	18.6	30.5	6244
		04/14/85	21.9	27.2	
14N/03E-14E02 M		04/15/85	MM-9		6244
14N/03E-17A03 M	46.0	10/26/84	23.6	22.4	5050
		11/28/84	22.3	23.7	
		12/21/84	21.7	24.3	
		01/29/85	20.6	25.4	
		02/27/85	19.9	26.1	
		03/27/85	20.3	25.7	
		04/26/85	25.3	20.7	
		05/29/85	28.9	17.1	
		06/26/85	30.7	15.3	
		07/29/85	33.4	12.6	
		08/26/85	MM-1		
		09/26/85	29.5	16.5	
14N/03E-22B02 M	46.6	11/12/84	19.9	26.7	6244
		04/15/85	18.1	28.5	
14N/03E-31B01 M	38.0	04/15/85	8.2	29.8	6244
14N/03E-33C01 M	38.6	11/13/84	10.2	28.4	6244
		04/10/85	9.8	28.8	
15N/01E-14F01 M	51.0	11/12/84	21.8	29.2	6244
		04/12/85	24.7	26.3	
15N/02E-22D01 M	46.0	10/26/84	8.5	37.5	5050
		04/04/85	8.5	37.5	
15N/02E-24B01 M	51.0	11/14/84	10.2	40.8	6244
		04/12/85	8.6	42.4	
15N/02E-35D01 M	42.5	11/12/84	7.7	34.8	6244
		04/14/85	6.8	35.7	
15N/02E-36A01 M	44.5	11/12/84	7.4	37.1	6244
		04/14/85	7.5	37.0	
15N/03E-05D02 M	59.6	11/12/84	12.2	47.4	6244
		04/14/85	15.3	44.3	
15N/03E-10G02 M	61.0	11/12/84	18.0	43.0	6244
		04/14/85	17.4	43.6	
15N/03E-15H04 M	59.0	11/12/84	19.5	39.5	6244
		04/14/85	20.1	38.9	
15N/03E-17B02 M	55.0	11/12/84	19.5	35.5	6244
		04/14/85	18.4	36.6	
15N/03E-20B01 M	52.7	11/12/84	16.1	36.6	6244
		04/12/85	15.2	37.5	
15N/03E-21H02 M	51.0	10/26/84	18.6	32.4	5050
		11/28/84	17.7	33.3	
		12/21/84	17.4	33.6	
		01/29/85	16.9	34.1	
		02/27/85	16.9	34.1	
		03/27/85	16.6	34.4	
		04/26/85	19.8(4)	31.2	
		05/29/85	20.3	30.7	
		06/26/85	23.3	27.7	
		07/27/85	24.6	26.4	
		08/26/85	24.7	26.3	
		09/26/85	23.1	27.9	
15N/03E-26M01 M	51.2	11/12/84	31.7	19.5	6244
		04/14/85	MM-1		
15N/03E-33K04 M	48.0	11/12/84	23.3	24.7	6244
		04/14/85	25.1	22.9	
16N/01E-31H01 M	71.0	11/12/84	29.7	41.3	6244
		04/12/85	28.5	42.5	
16N/02E-02D01 M	71.0	11/12/84	4.0	67.0	6244
		04/12/85	5.6	65.4	
A SACRAMENTO HA					
A-07 COLUSA BASIN HU					
A-07.C SUTTER BYPASS HA					
16N/02E-26D01 M	67.0	11/12/84	13.2	53.8	6244
		04/14/85	13.9	53.1	
16N/03E-07D02 M	73.0	11/12/84	7.8	65.2	6244
		04/12/85	MM-1		
16N/03E-21D01 M	69.5	04/14/85	7.7	61.8	6244
16N/03E-21D02 M	70.0	10/26/84	10.1	59.9	5050
		04/04/85	9.7	60.3	
16N/03E-33J02 M	65.4	11/12/84	18.4	47.0	6244
		04/14/85	22.4	43.0	
17N/02E-14A01 M	82.5	10/25/84	5.0	77.5	5050
		03/05/85	5.6	76.9	
17N/02E-16C01 M	74.0	10/04/84	4.5	69.5	5050
		03/25/85	5.3	68.7	
17N/02E-31A01 M	86.0	11/12/84	32.2	53.8	6244
		04/12/85	31.0	55.0	
17N/03E-05C01 P	95.0	10/24/84	12.5	83.5	5050
		03/25/85	MM-0		
17N/03E-08G01 M	90.0	10/23/84	10.7(4)	79.3	5050
		03/05/85	9.5	80.5	
17N/03E-16N01 M	85.0	10/23/84	12.4	72.6	5050
		03/25/85	15.1	69.9	
17N/03E-30N01 M	77.8	11/12/84	12.8	65.0	6244
		04/12/85	12.3	65.5	
17N/03E-33P01 M	77.0	11/12/84	9.6	67.4	6244
		04/14/85	7.7	69.3	
A-07.D BUTTE BASIN HA					
16N/01E-08C01 M	58.0	11/12/84	8.8	49.2	6244
		04/12/85	9.2	48.8	
17N/01E-10A01 M	63.0	10/24/84	16.1(1)	46.9	5050
		03/05/85	9.3	53.7	
17N/01E-25J01 M	75.5	11/12/84	31.0	44.5	6244
		04/12/85	MM-9		
17N/01E-13G01 M	65.0	11/12/84	20.3	47.7	6244
		04/12/85	16.5	51.5	
18N/01E-13M01 M	77.0	10/23/84	3.8	73.2	5050
		03/25/85	7.0	70.0	
18N/01E-15D02 M	70.0	10/31/84	3.2	66.8	5050
		03/25/85	3.0	67.0	
19N/01E-17DC1 M	73.4	10/09/84	6.8	63.6	5105
		03/05/85	6.1	64.3	
18N/02E-16F01 M	80.0	10/23/84	6.4	73.6	M050
		03/25/85	6.7	73.3	
18N/02E-25M01 M	87.0	10/23/84	7.2(8)	79.8	5050
		03/25/85	7.4	79.6	
18N/02E-32D02 M	75.0	10/23/84	5.0	70.0	5050
		03/25/85	7.2	67.8	
18N/03E-18F01 M	97.5	10/23/84	5.9(8)	91.6	5050
		03/26/85	5.8(8)	91.7	
19N/01E-09B01 M	90.0	10/23/84	3.5	86.5	5050
		03/05/85	11.0	79.0	
19N/01E-27D01 M	85.0	10/23/84	5.2	79.8	5050
		03/25/85	4.7	80.3	
19N/01E-28B01 M	80.0	10/23/84	7.2	72.8	5050
		03/25/85	5.1	74.9	
19N/02E-17A01 M	102.0	10/03/84	3.7	98.3	5050
		03/25/85	3.0	99.0	
20N/01E-10C02 M	125.0	10/23/84	15.0	110.0	5050
		03/25/85	10.0	115.0	
20N/01E-35C01 M	100.0	10/23/84	4.5	95.5	5050
		03/25/85	4.0	96.0	
20N/02E-06D01 M	135.3	10/23/84	15.1	120.2	5050
		03/25/85	11.4	123.9	
20N/02E-09L01 M	137.0	10/26/84	9.5	127.5	5050
		03/25/85	6.7(4)	130.3	
20N/02E-28N01 M	119.0	10/23/84	5.7	112.3	5050
		03/25/85	5.0	113.0	
20N/03E-06M01 M	215.0	10/22/84	75.5	139.5	5050
	214.0	03/25/85	80.0	134.0	
21N/01E-12K01 M	187.0	10/02/84	56.5	130.5	5050
		03/25/85	55.5(8)	131.5	
21N/01E-27D01 M	141.0	10/02/84	28.4	112.6	5050
		03/25/85	20.6	120.4	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO HA					
A-07 COLUSA BASIN HU					
A-07.0 BUTTE BASIN HA					
21N/02E-07C01 M	203.0	10/02/84	75.5	127.5	5030
		03/05/85	65.6	137.4	
21N/02E-26E02 M	177.0	10/04/84	14.6	162.4	5030
		03/05/85	14.3	162.7	
21N/02E-26F01 M	181.0	10/02/84	42.5	138.5	5030
		03/05/85	36.6	144.4	
16N/01W-20F01 M	59.0	10/04/84	22.4	36.6	5050
		03/06/85	19.0	40.0	
17N/01W-06R01 M		10/04/84	NM-1		5030
	70.0	03/06/85	18.5(8)	51.5	
18N/01W-17G01 M	79.0	10/09/84	17.7	61.3	5105
		03/08/85	NM-1		
18N/01W-22L01 M	70.0	10/09/84	8.2	61.8	5105
		03/08/85	6.1	63.9	
18N/01W-32L02 M	75.0	10/04/84	13.9	61.1	5030
		03/05/85	11.2(8)	63.8	
18N/01W-35K01 M	60.0	10/04/84	1.8	58.2	5030
		03/06/85	2.0	58.0	
19N/01W-15D01 M	91.0	10/09/84	12.7	78.3	5105
		03/08/85	11.5	79.5	
19N/01W-27R01 M	81.0	10/09/84	15.7	65.3	5105
		03/08/85	12.9	68.1	
20N/01W-26M01 M	103.2	10/02/84	9.9	93.3	5030
		03/04/85	10.7	94.5	
20N/01W-26M02 M	105.6	10/02/84	8.8	96.8	5030
		03/04/85	9.7	95.9	
21N/01W-04N01 M	135.0	10/09/84	18.6	116.4	5105
		03/08/85	18.0	117.0	
21N/01W-17F01 M	132.5	10/09/84	16.7	115.8	5105
		03/08/85	17.8	114.7	
21N/01W-23J01 M	117.0	10/01/84	11.5	105.5	5030
		03/04/85	9.8	107.2	
A SACRAMENTO HA					
A-08 MARYSVILLE HU					
A-08.A LOWER BEAR RIVER HA					
13N/04E-01D01 M	62.0	11/01/54	51.3	10.7	1453
		03/20/85	43.0	19.0	
13N/04E-13R01 M	69.1	11/15/84	32.8	36.3	6244
		04/09/85	26.4	42.7	
13N/04E-22D01 M	50.0	10/24/84	25.5	24.5	5415
		03/14/85	19.3	30.7	
13N/05E-01K01 M	125.0	10/25/84	31.8	94.2	5050
		04/03/85	32.1	93.9	
13N/05E-03J01 M	95.0	10/23/84	25.6	69.4	5030
		04/03/85	24.2	70.8	
13N/05E-04B02 M	88.0	10/23/84	64.4	23.6	5030
		03/29/85	53.3	34.7	
13N/05E-04C02 M	85.0	10/30/84	43.9	41.1	5050
		11/28/84	42.3	42.7	
		12/21/84	41.2	43.8	
		01/24/85	41.7(4)	43.3	
		02/26/85	39.8	45.2	
		03/29/85	39.7	45.3	
		04/29/85	NM-1		
		05/28/85	49.5	35.5	
		06/27/85	NM-1		
		07/30/85	58.0	27.0	
		08/26/85	60.7(4)	24.3	
		09/26/85	55.7	29.3	
13N/05E-04J01 M	83.0	11/01/84	28.8	54.2	1453
		03/20/85	28.4	58.6	
13N/05E-06E01 M	62.8	11/01/54	55.4	7.4	1453
		03/20/85	46.6	16.2	
13N/05E-08E01 M	78.0	04/09/85	41.8	36.2	6244
13N/05E-09R01 M	83.5	11/15/84	27.2	56.3	6244
		04/09/85	22.3	61.2	
13N/05E-17G01 M	74.0	10/24/54	23.4	50.6	5415
		03/14/85	19.6	54.4	
13N/05E-17R01 M	70.0	11/15/84	27.0	43.0	6244
		04/09/85	22.5	47.5	
13N/05E-18C01 M	69.6	10/24/84	34.2	35.4	5415
		03/14/85	29.0	40.6	
13N/05E-21R03 M	80.0	10/24/84	18.5	61.5	5415
		03/14/85	17.2	62.8	
13N/05E-22C03 M	80.0	10/25/54	12.7	67.3	5030
		04/03/85	11.3	68.7	
13N/05E-24E02 M	92.0	10/23/54	24.1	67.9	5030
		04/03/55	15.1	76.9	
13N/05E-24J01 M	101.3	10/30/84	29.7	71.6	5030
		04/03/85	24.6	76.7	
13N/06E-06A01 M	160.0	10/25/84	47.8	112.2	5030
		04/03/85	45.6	114.4	
14N/04E-24P01 M	69.0	11/01/54	103.4	-34.4	1453
		03/20/85	90.0	-21.0	
14N/04E-38G01 M	68.8	11/01/84	83.3	-14.5	1453
		03/20/85	72.0	-3.2	
14N/05E-10R02 M	112.0	10/23/84	70.3	41.7	5030
		03/29/85	59.8	52.2	
14N/05E-12N01 M	121.0	10/23/84	9.6	111.4	5030
		03/29/85	9.3	111.7	
14N/05E-13C01 M	121.0	10/23/84	35.3	85.7	5030
		03/29/85	25.1	95.9	
14N/05E-20D02 M	86.0	11/01/84	119.1	-33.1	1453
		03/20/85	106.3	-20.3	
14N/05E-27L02 M	92.0	11/01/84	90.1	1.9	1453
		03/20/85	85.6	6.4	
14N/05E-30D01 M	77.2	10/29/54	91.2	-14.0	5030
		11/29/54	88.4	-11.2	
		12/26/54	86.0	-8.8	
		01/28/85	83.8	-6.6	
		02/28/55	82.0	-4.8	
		03/29/85	80.6	-3.4	
		04/29/85	91.0	-13.8	
		05/28/85	96.3	-19.1	
		06/27/85	106.5	-29.3	
		07/26/85	108.5	-31.3	
		08/26/85	108.0	-30.8	
		09/26/85	96.2	-19.0	
14N/05E-32R02 M	74.0	10/23/84	63.4	10.6	5030
		03/29/85	54.5	19.5	
14N/05E-34G01 M	108.0	10/23/54	84.2	23.8	5030
		03/29/85	78.9	29.1	
A-08.B OLIVEHURST HA					
13N/04E-07E01 M	34.7	03/20/85	15.1	23.6	1453

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MB					
A-08 MARYSVILLE MU					
A-08.8 OLIVEHURST MA					
13N/04E-17P01 M	41.1	11/01/84	17.6	23.5	1453
		03/20/85	13.9	27.2	
14N/03E-12F01 M	52.0	11/02/84	30.2	21.8	1453
		03/20/85	29.7	22.3	
14N/03E-24B01 M	48.2	11/02/84	33.3	14.9	1453
		03/20/85	29.1	19.1	
14N/03E-25C02 M	48.0	11/02/84	25.2	22.8	1453
		03/20/85	22.3	25.7	
14N/03E-36C02 M	50.0	11/02/84	17.2	32.8	1453
		03/20/85	24.7	25.3	
14N/04E-11H01 M	71.5	11/01/84	106.9	-35.4	1453
		03/20/85	101.5	-30.0	
14N/04E-13C01 M	73.1	11/01/84	103.8	-30.7	1453
		03/20/85	95.3	-22.2	
14N/04E-15C05 M	64.0	10/23/84	76.4	-12.4	5050
		03/29/85	70.9	-6.9	
14N/04E-20H01 M	42.0	11/01/84	37.8	4.2	1453
		03/20/85	32.6	9.4	
14N/04E-30F01 M	44.0	11/02/84	29.2	14.8	1453
		03/20/85	26.6	17.4	
14N/04E-30K01 M	45.0	11/02/84	28.8	16.2	1453
		03/20/85	25.1	19.9	
14N/05E-06B01 M	77.8	11/01/84	111.3	-33.5	1453
		03/19/85	103.4	-25.6	
14N/05E-08R01 M		11/01/84	NM-3		1453
	88.9	03/20/85	107.6	-18.7	
14N/05E-16C02 M	98.0	11/01/84	117.4	-19.4	1453
		03/20/85	106.6	-8.6	
15N/03E-25J01 M	57.0	11/02/84	16.9	40.1	1453
		03/20/85	18.7	38.3	
15N/04E-11K02 M	83.0	10/23/84	40.0	43.0	5050
		04/04/85	35.0	48.0	
15N/04E-13A01 M	89.0	10/23/84	64.2	24.8	5050
		04/04/85	NM-7		
15N/04E-15A01 M	78.5	10/31/84	30.2	48.3	1453
		03/19/85	28.4	50.1	
15N/04E-15R01 M	81.0	10/31/84	53.4	27.6	1453
		03/19/85	49.2	31.8	
15N/04E-22P01 M	72.0	10/31/84	61.3	10.7	1453
		03/19/85	57.9	14.1	
15N/04E-23A01 M	83.0	10/31/84	71.5	11.5	1453
		03/19/85	64.6	18.4	
15N/04E-24A01 M		10/23/84	NM-8		5050
	86.1	04/04/85	95.0	-8.7	
15N/04E-24B01 M	85.0	10/23/84	100.6	-15.6	5050
		04/04/85	90.5	-5.5	
15N/04E-24H01 M	80.0	10/23/84	111.6	-31.6	5050
		04/04/85	99.1	-19.1	
15N/04E-24M01 M	79.0	10/30/84	89.0	-10.0	5050
		11/28/84	86.1	-7.1	
		12/21/84	84.2	-5.2	
		01/29/85	81.2	-2.2	
		02/27/85	79.4	-.4	
		03/27/85	78.0	1.0	
		04/26/85	82.7	-3.7	
		05/29/85	90.8	-11.8	
		06/25/85	94.1	-15.1	
		07/29/85	97.9	-18.9	
		08/26/85	98.2	-19.2	
		09/26/85	94.6	-15.6	
15N/04E-24N02 M	81.0	10/23/84	111.0	-30.0	5050
		04/04/85	99.8	-18.8	
15N/04E-25L02 M	78.0	10/31/84	104.8	-26.8	1453
		03/19/85	100.0	-22.0	
15N/04E-26C01 M	75.0	10/31/84	84.3	-9.3	1453
		03/19/85	78.6	-3.6	
15N/04E-27A01 M	81.0	10/31/84	74.4	6.6	1453
		03/19/85	70.6	10.4	
15N/04E-27J01 M	71.0	10/23/84	74.9	-3.9	5050
		04/04/85	71.5	-.5	
15N/04E-28D01 M	77.1	10/31/84	63.7	13.4	1453
		03/19/85	59.7	17.4	
15N/04E-32D01 M	64.0	10/30/84	51.5	12.5	5050
		11/28/84	49.7	14.3	
		12/21/84	49.0	15.0	
		01/29/85	47.8	16.2	
		02/27/85	47.7	16.3	
		03/27/85	47.3	16.7	
15N/04E-32D01 M	64.0	04/26/85	51.8	12.2	5050
		05/29/85	54.7	9.3	
		06/25/85	61.3	2.7	
		07/29/85	63.1	.9	
		08/26/85	61.2	2.8	
		09/26/85	55.8	8.2	
15N/04E-35F01 M	68.0	11/01/84	83.7	-15.7	1453
		03/19/85	81.1	-13.1	
15N/05E-07K01 M	100.0	10/23/84	61.5	38.5	5050
		04/04/85	56.0	44.0	
15N/05E-29C02 M	91.0	10/23/84	117.0	-26.0	5050
		04/04/85	117.2	-26.2	
15N/05E-30BC1 M	88.0	10/30/84	119.1	-31.1	5050
		11/28/84	115.9	-27.9	
		12/21/84	114.8	-26.8	
		01/29/85	111.6	-23.6	
		02/27/85	112.0(4)	-24.0	
		03/27/85	109.0	-21.0	
		04/28/85	112.1	-24.1	
		05/29/85	117.9	-29.9	
		06/25/85	125.4(4)	-37.4	
		07/29/85	124.4	-36.4	
		08/26/85	125.2	-37.2	
		09/26/85	120.4	-32.4	
A-08.C LOWER YUBA RIVER MA					
15N/04E-04A01 M		10/31/84	NM-9		1453
	83.4	03/19/85	31.4	54.0	
15N/04E-10A01 M	90.0	10/23/84	29.2	60.8	5050
		04/04/85	32.9	57.5	
15N/04E-16F01 M	76.3	10/31/84	41.9	34.4	1453
		03/19/85	39.5	36.8	
15N/04E-20E01 M	71.0	10/31/84	29.1	41.9	1453
		03/19/85	29.3	41.7	
15N/05E-06A01 M	105.0	10/23/84	25.1	79.9	5050
16N/04E-34Q01 M	94.6	10/31/84	16.2	78.4	1453
A-08.D LOWER FEATHER RIVER MA					
15N/03E-11C02 M	60.0	10/31/84	24.4	35.6	1453
		03/19/85	24.2	35.8	
15N/04E-07H01 M	69.0	10/31/84	18.5	50.5	1453
		03/19/85	19.0	50.0	
16N/03E-01P02 M	78.0	10/31/84	18.5	59.5	1453
		03/19/85	14.0	64.0	
16N/03E-14B02 M	73.2	10/31/84	16.1	57.1	1453
		03/19/85	12.9	60.3	
16N/03E-24A01 M	69.0	10/31/84	13.8	55.2	1453
		03/19/85	10.9	58.1	
16N/03E-26F01 M	69.6	10/30/84	19.9	49.7	1453
		03/19/85	17.5	52.1	
16N/03E-36G01 M	63.5	10/31/84	13.7	49.8	1453
		03/19/85	11.7	51.8	
16N/04E-08A01 M	91.0	10/31/84	19.8	71.2	1453
		03/19/85	15.0	76.0	
16N/04E-17B01 M	81.0	10/23/84	9.3	71.7	5050
		04/04/85	8.5	72.5	
17N/03E-03D01 M	95.0	10/30/84	24.0	71.0	5050
		03/05/85	23.0	72.0	
17N/03E-13N01 M	85.0	10/03/84	24.0	61.0	5050
		03/06/85	18.3	66.7	
17N/03E-22R01 M	85.5	10/31/84	25.4	60.1	1453
		03/19/85	23.7	61.8	
17N/03E-26A02 M	84.6	10/31/84	23.9	62.7	1453
		03/19/85	21.5	63.1	
17N/03E-35H02 M	82.0	10/31/84	22.6	59.4	1453
		03/19/85	19.3	62.7	
17N/04E-08A01 M	96.0	10/30/84	19.0	77.0	5050
		03/06/85	27.5	68.5	
17N/04E-22R01 M	119.0	10/30/84	17.2	97.8	5050
		03/06/85	12.7	102.3	
17N/04E-27F01 M	106.0	10/31/84	24.9	81.1	1453
		03/19/85	19.9	86.1	
17N/04E-30R01 M	89.0	10/31/84	18.4	70.6	1453
		03/19/85	13.9	75.1	
17N/04E-33Q01 M	105.0	10/31/84	27.9	77.1	1453
		03/19/85	22.8	82.2	
17N/04E-35Q01 M	125.0	10/31/84	34.3	90.7	1453
		03/19/85	25.5	99.5	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
4 SACRAMENTO HA					
A-08 MARYSVILLE NU					
A-08.0 LOWER FEATHER RIVER HA					
18N/03E-05K01 M	110.4	10/03/84	14.5(8)	95.9	5050
		03/06/85	12.5(8)	97.9	
18N/03E-21G01 M	104.0	10/03/84	20.5	83.5	5050
		03/06/85	18.8	85.2	
18N/03E-25N01 M	125.0	10/04/84	57.4	67.6	5050
		03/06/85	45.0	80.0	
18N/04E-08M01 M	145.0	10/04/84	46.7(8)	98.3	5050
		03/06/85	34.8	110.2	
18N/04E-16C01 M		10/04/84	NM-8		5050
	201.0	03/06/85	72.0(3)	129.0	
18N/04E-28L01 M	135.0	10/04/84	43.7	91.3	5050
		03/06/85	33.5	101.5	
19N/03E-05N02 M	140.0	10/03/84	20.4	119.6	5050
		03/06/85	18.4	121.6	
19N/03E-21C01 M	170.0	10/03/84	49.4	120.6	5050
		03/06/85	48.3(8)	121.7	
19N/04E-32P01 M	187.0	10/04/84	56.0	131.0	5050
		03/06/85	51.5	135.5	
4 SACRAMENTO HA					
A-11 FEATHER RIVER NU					
A-11.C MIDDLE FORK FEATHER HA					
A-11.C2 SLOAT HSA					
22N/12E-09P01 M	4352.0	10/01/84	23.4	4328.6	5050
		03/25/85	5.3	4346.7	
22N/12E-09Q01 M	4366.0	10/01/84	6.3	4359.7	5050
		03/25/85	4.6	4361.4	
A-11.C4 SIERRA VALLEY HSA					
20N/14E-04G02 M	4942.0	10/01/84	-1.2	4943.2	5050
		03/25/85	-1.1	4943.1	
20N/14E-04G06 M	4940.0	10/31/84	7.9	4932.1	5050
		03/25/85	NM-2		
20N/14E-11A02 M	4924.8	10/01/84	2.3	4922.5	5050
		03/25/85	1.4	4923.4	
20N/14E-13Q02 M	4985.6	10/01/84	2.9	4982.7	5050
		03/25/85	.5	4985.1	
20N/14E-14R01 M	5035.0	10/01/84	1.9	5033.1	5050
		03/25/85	4.4	5030.6	
20N/15E-07M02 M	4937.0	10/01/84	-.6	4937.6	5050
		03/25/85	-1.7	4938.7	
21N/14E-10P01 M		10/01/84	NM-7		5050
	4898.7	03/25/85	-.7	4899.4	
21N/14E-14M01 M	4900.0	10/01/84	-2.0	4902.0	5050
		03/25/85	-2.0	4902.0	
21N/14E-20A03 M	4980.0	10/01/84	5.2	4934.8	5050
		03/25/85	3.9	4956.1	
21N/14E-21Q01 M		10/01/84	NM-7		5050
	4914.0	03/25/85	-3.0(5)	4917.0	
21N/14E-23P03 M	4935.0	10/01/84	21.5	4913.5	5050
		03/25/85	18.6	4916.4	
21N/14E-29J01 M	4932.6	10/01/84	8.6	4924.0	5050
		03/25/85	1.2	4931.4	
21N/14E-32R01 M	4975.2	10/01/84	38.3(4)	4936.9	5050
		03/25/85	35.3	4939.9	
21N/14E-36Q02 M	4923.0	10/01/84	2.0	4918.0	5050
		03/25/85	1.4	4918.6	
21N/15E-03J02 M	4892.5	10/02/84	40.0	4852.5	5050
		03/26/85	6.6	4885.9	
21N/15E-04L01 M	4888.1	10/02/84	7.8	4880.3	5050
		03/25/85	4.4	4883.7	
21N/15E-04N02 M	4892.0	10/02/84	9.6	4882.4	5050
		03/25/85	4.7	4887.3	
21N/15E-04Q01 M	4893.0	10/02/84	6.8	4886.2	5050
		03/25/85	5.1	4887.9	
21N/15E-05E01 M		10/02/84	NM-7		5050
	4884.5	03/25/85	-1.5(5)	4886.0	
21N/15E-05P01 M		10/02/84	NM-7		5050
	4887.0	03/25/85	-3.9(5)	4890.9	
21N/15E-07R01 M	4892.7	10/01/84	-3.0	4895.7	5050
		03/25/85	NM-7		
21N/15E-09N07 M		10/01/84	NM-7		5050
	4910.0	03/25/85	-3.0	4913.0	
21N/15E-09Q03 M	4912.0	10/02/84	-1.6	4913.6	5050
		03/25/85	NM-0		
21N/15E-11M01 M	4902.0	10/32/84	26.9	4873.1	5050
		04/01/85	1.8	4900.2	
21N/15E-12C01 M	4918.8	10/01/84	6.4	4912.4	5050
		04/01/85	2.3	4916.5	
21N/15E-12N01 M	4921.5	10/02/84	12.3	4909.2	5050
21N/15E-12N02 M	4921.5	04/01/85	2.5	4919.0	5050
21N/15E-14Q02 M	4915.0	10/02/84	6.3	4908.7	5050
		03/26/85	5.7	4909.3	
21N/15E-14L01 M	5000.0	10/32/84	86.6	4913.4	5050
		03/26/85	78.1	4921.9	
21N/15E-17A01 M	4916.2	10/31/84	-2.8	4919.0	5050
		03/25/85	NM-7		
21N/15E-18F02 M	4891.4	10/31/84	-2.8	4894.2	5050
		03/26/85	NM-7		
21N/16E-06A01 M	4934.8	10/33/84	1.8	4933.0	5050
		03/26/85	1.6	4933.2	
21N/16E-06H03 M	4950.0	10/03/84	47.8	4902.2	5050
		03/26/85	33.9	4916.1	
21N/16E-07F04 M	4961.0	10/33/84	20.0	4941.0	5050
		04/01/85	8.0	4953.0	
21N/16E-08D02 M	4960.0	10/03/84	46.0	4914.0	5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

A SACRAMENTO HB
A-11 FEATHER RIVER HU
A-11.C MIDDLE FORK FEATHER HA
A-11.C4 SIERRA VALLEY HSA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
21N/16E-06D02 M	4960.0	03/26/85	31.1	4928.9	5050
21N/16E-16H01 M	4995.1	10/04/84	21.3	4973.8	5050
		03/26/85	17.2	4977.9	
21N/16E-18N06 M	4980.0	10/03/84	-.4	4980.4	5050
		03/26/85	NM-7		
21N/16E-30J01 M	5120.0	10/03/84	39.4	5080.6	5050
		04/01/85	NM-2		
22N/14E-02N02 M	4870.5	10/01/84	-2.5	4873.0	5050
		03/26/85	NM-7		
22N/14E-11Q01 M	4914.0	10/01/84	-1.3	4915.3	5050
		03/25/85	NM-7		
22N/14E-13K02 M		10/01/84	NM-7		5050
		03/25/85	NM-7		
22N/14E-14F02 M	4900.0	10/01/84	-5.4	4905.4	5050
		03/25/85	-7.4(5)	4907.4	
22N/14E-26L01 M	4894.5	10/01/84	-1.7	4896.2	5050
		03/25/85	-.8	4895.3	
22N/15E-03R01 M	4890.0	10/02/84	21.2	4868.8	5050
		03/25/85	27.5	4862.5	
22N/15E-04N01 M	4878.2	10/02/84	4.0	4874.2	5050
		03/25/85	5.7(1)	4872.5	
22N/15E-08Q01 M	4877.0	10/02/84	4.8	4872.2	5050
		03/26/85	1.9	4875.1	
22N/15E-10C01 M	4890.0	10/02/84	48.9	4841.1	5050
		03/25/85	26.5	4863.5	
22N/15E-13N01 M	4893.0	10/02/84	47.6(8)	4845.4	5050
		03/25/85	19.0	4874.0	
22N/15E-15Q01 M	4889.0	10/02/84	4.2	4884.8	5050
		04/04/85	2.3	4886.7	
22N/15E-16L01 M		10/02/84	NM-3		5050
	4881.0	03/25/85	16.3	4864.7	
22N/15E-17H01 M	4880.0	10/02/84	16.7	4863.3	5050
		03/25/85	9.8	4870.2	
22N/15E-22Q01 M	4880.9	10/02/84	10.2	4870.7	5050
		04/04/85	8.8	4872.1	
22N/15E-26K01 M	4886.2	10/01/84	28.1	4858.1	5050
		04/04/85	1.3	4884.9	
22N/15E-27Q01 M	4882.0	10/02/84	42.3	4839.7	5050
		04/04/85	5.3	4876.7	
22N/15E-28L01 M		10/02/84	NM-3		5050
	4881.5	03/25/85	13.2	4868.3	
22N/15E-34G01 M	4880.0	10/02/84	45.5	4834.5	5050
		04/04/85	NM-9		
22N/15E-34L02 M	4890.5	10/02/84	46.0	4844.5	5050
		04/01/85	7.7	4882.8	
22N/15E-34N02 M		10/02/84	NM-5		5050
		04/04/85	NM-7		
22N/15E-35H01 M	4889.7	10/02/84	27.8	4861.9	5050
		04/04/85	NM-7		
22N/15E-36H01 M	4900.0	10/03/84	36.6	4863.4	5050
		04/04/85	NM-7		
22N/15E-36J01 M		10/03/84	NM-4		5050
		04/04/85	NM-4		
22N/15E-36N01 M	4897.0	10/03/84	45.6	4851.4	5050
		04/04/85	NM-7		
22N/15E-36Q01 M	4908.2	10/03/84	36.2	4872.0	5050
		04/04/85	NM-7		
22N/16E-01A02 M	5080.0	10/03/84	31.4	5048.6	5050
		03/26/85	32.3	5047.7	
22N/16E-04A01 M	4932.0	10/04/84	14.7	4917.3	5050
		03/25/85	3.6	4928.4	
22N/16E-06R02 M	4908.0	10/03/84	61.5(8)	4846.5	5050
		03/25/85	28.8	4879.2	
22N/16E-07G01 M	4906.0	10/03/84	56.7	4849.3	5050
		03/25/85	25.4	4880.6	
22N/16E-08P01 M	4910.0	10/03/84	66.5(8)	4843.5	5050
		04/04/85	15.5(8)	4894.5	
22N/16E-17C01 M	4907.0	10/03/84	34.3	4872.7	5050
		04/04/85	9.9	4897.1	
22N/16E-17D01 M	4910.0	10/04/84	63.8	4846.2	5050
		04/04/85	13.5	4896.5	
22N/15E-17E02 M	4901.3	10/03/84	36.3	4865.0	5050
		04/04/85	8.6	4892.7	

A SACRAMENTO HB
A-11 FEATHER RIVER HU
A-11.C MIDDLE FORK FEATHER HA
A-11.C4 SIERRA VALLEY HSA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
22N/16E-18K01 M	4896.9	10/03/84	37.9	4859.0	5050
		04/04/85	8.4	4888.5	
22N/16E-18R01 M	4900.0	10/03/84	38.8(8)	4861.2	5050
		04/04/85	8.4(8)	4893.6	
22N/16E-19A01 M	4900.0	10/03/84	39.6	4860.4	5050
		04/04/85	9.5	4890.5	
22N/16E-19K01 M	4912.6	10/03/84	27.5	4885.1	5050
		04/04/85	14.8	4897.8	
22N/16E-19M01 M	4893.1	10/03/84	27.1	4866.0	5050
		04/04/85	6.2	4886.9	
22N/16E-20G02 M	4920.6	10/03/84	5.4	4915.4	5050
		04/04/85	NM-7		
22N/16E-20P02 M	4934.6	10/03/84	-.1	4934.7	5050
		04/04/85	.1	4934.5	
22N/16E-30Q01 M	4915.0	10/03/84	18.2(8)	4896.8	5050
		04/04/85	8.5(8)	4906.5	
23N/14E-25G01 M	4891.7	10/03/84	14.7	4877.0	5050
		03/25/85	6.5	4885.2	
23N/14E-25K01 M	4891.1	10/03/84	9.7	4881.4	5050
		03/25/85	3.4	4887.7	
23N/14E-26H02 M		10/03/84	NM-6		5050
		03/26/85	NM-0		
23N/14E-35L01 M	4877.5	10/03/84	11.0	4866.5	5050
		03/26/85	6.9	4870.6	
23N/15E-20M01 M		10/03/84	NM-9		5050
		03/25/85	NM-7		
23N/15E-21L01 M		10/03/84	NM-9		5050
	4915.0	03/26/85	4.5	4910.5	
23N/15E-25J01 M	4909.0	10/03/84	62.9	4846.1	5050
		03/25/85	29.5	4879.5	
23N/15E-26G01 M	4899.0	10/03/84	49.2	4848.8	5050
		03/25/85	16.8	4881.2	
23N/15E-26R01 M	4899.0	10/31/84	53.5	4845.5	5050
		03/25/85	19.5	4879.5	
23N/15E-27E01 M		10/03/84	NM-9		5050
	4900.0	03/25/85	4.0	4896.0	
23N/15E-29H01 M	4896.4	10/03/84	-1.2	4897.6	5050
		03/25/85	NM-7		
23N/15E-29M01 M	4883.0	10/03/84	3.0(8)	4880.0	5050
		03/25/85	NM-7		
23N/15E-34Q01 M	4888.3	10/03/84	-.1	4888.4	5050
		03/25/85	NM-7		
23N/15E-35L01 M		10/03/84	NM-9		5050
	4892.0	03/26/85	6.0	4886.0	
23N/15E-36G01 M	4901.0	10/01/84	55.4	4845.6	5050
		03/25/85	21.6	4879.4	
23N/15E-36J01 M	4905.6	10/01/84	3.5	4902.1	5050
		03/26/85	3.8	4901.8	
23N/15E-36J02 M		10/03/84	NM-4		5050
		03/25/85	NM-0		
23N/16E-19M01 M	4924.8	10/01/84	12.8	4912.0	5050
		03/26/85	NM-7		
23N/16E-23F01 M	4990.0	10/03/84	14.3	4975.7	5050
		03/25/85	13.4	4976.6	
23N/16E-27R01 M	4963.2	10/03/84	7.0	4956.2	5050
		03/26/85	6.5	4956.7	
23N/16E-28L01 M	4938.5	10/03/84	12.0	4926.5	5050
		03/25/85	NM-7		
23N/16E-29G01 M	4930.0	10/31/84	29.1	4900.9	5050
		03/25/85	3.0	4927.0	
23N/16E-30A01 M		10/31/84	NM-4		5050
		03/26/85	NM-0		
23N/16E-30C01 M	4913.0	10/31/84	11.1	4906.9	5050
		03/25/85	NM-7		
23N/16E-30R01 M	4915.0	10/01/84	70.0	4845.0	5050
		03/26/85	37.3	4877.7	
23N/16E-32Q01 M	4920.0	10/31/84	72.4	4847.6	5050
		03/25/85	38.6	4881.4	
23N/16E-33C01 M	4935.6	10/01/84	.5	4935.1	5050
		03/26/85	-2.0(5)	4937.6	
23N/16E-34H01 M		10/31/84	NM-3		5050
		03/26/85	NM-0		
23N/16E-36Q01 M		10/31/84	NM-8		5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SACRAMENTO HA					
A-11	FEATHER RIVER HU					
A-11.C	MIDDLE FORK FEATHER HA					
A-11.C4	SIERRA VALLEY HSA					
23N/16E-36001	M	5120.0	03/26/85	53.5(3)	5066.5	5050
23N/16E-36N02	M	5010.0	10/01/84	9.8	5000.2	5050
			03/26/85	7.8	5002.2	
23N/16E-36P02	M		03/26/85	NM-0		5050
23N/17E-30N01	M		10/01/84	NM-7		5050
		5055.0	03/26/85	-.5	5055.5	
A-11.0	NORTH FORK FEATHER HA					
A-11.04	MOUNT HARKNESS HSA					
27N/08E-03E01	M		10/05/84	NM-2		5050
			03/25/85	NM-2		
27N/08E-10G01	M		10/05/84	NM-7		5050
		4515.0	03/25/85	.0	4515.0	
27N/08E-10K01	M	4510.0	10/05/84	2.0	4508.0	5050
			03/25/85	3.3	4506.7	
28N/06E-24A01	M	4530.0	10/05/84	29.3	4500.7	5050
			03/25/85	36.0	4494.0	
28N/07E-03N01	M	4520.0	10/04/84	27.0	4493.0	5050
			03/25/85	32.1	4487.9	
28N/07E-05M01	M	4525.0	10/05/84	15.8	4509.2	5050
			03/25/85	21.8	4503.2	
28N/07E-18D02	M	4540.0	10/05/84	44.0	4496.0	5050
			03/25/85	43.9	4496.1	
28N/07E-18M02	M	4540.0	10/05/84	35.2	4504.8	5050
			03/25/85	41.9	4498.1	
28N/08E-21K01	M	4540.0	10/05/84	1.4	4538.6	5050
			03/25/85	.7	4539.3	
28N/08E-21K02	M	4540.0	10/05/84	1.7	4538.3	5050
			03/25/85	.8	4539.2	

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SACRAMENTO HA					
A-13	TEHAMA HU					
A-13.A	LOWER STONY CREEK HA					
22N/03W-10001	M	256.2	10/13/84	13.5	242.7	5105
			03/04/85	15.7	240.5	
22N/03W-17E01	M	283.0	10/10/84	11.5	271.5	5105
			03/34/85	13.8	269.2	
A-13.B	PEO BLUFF HA					
22N/01E-02R01	M	218.0	10/31/84	65.8	152.2	5050
			03/04/55	35.3	182.7	
22N/01E-09J02	M	178.0	10/01/84	28.8	149.2	5050
			03/34/85	23.0	155.0	
22N/01E-20K01	M	165.5	10/32/84	29.0	136.5	5050
			03/04/55	24.3	141.2	
22N/01E-28J01	M	176.0	10/32/84	36.3	139.7	5050
			03/04/85	30.8	145.2	
22N/01E-28J02	M	176.0	10/02/84	19.2	156.8	5050
			03/34/55	15.3	160.7	
22N/01E-28J03	M	176.0	10/32/84	30.6	145.4	5050
			03/34/55	27.5	148.5	
22N/01E-28J05	M	176.0	10/32/84	39.1	136.9	5050
			03/04/85	29.5	146.5	
22N/01E-29R01	M	164.7	10/02/54	19.2	145.5	5050
			03/35/85	21.7	143.0	
22N/02E-17E01	M	281.0	10/31/84	126.7(3)	154.3	5050
			03/04/85	108.2(3)	172.8	
23N/01E-18A01	M	250.0	10/31/84	74.0	176.0	5050
			03/04/55	69.0	181.0	
23N/01E-29P01	M	203.0	10/01/84	40.1	162.9	5050
			03/04/85	34.8	168.2	
22N/01W-05M01	M	149.9	10/01/84	21.4	128.5	5050
			03/04/85	18.5	131.4	
22N/01W-29K01	M	142.0	10/11/54	16.5	125.5	5105
			03/04/85	36.7	105.3	
22N/02W-03D04	M	185.0	10/11/84	28.1	156.9	5105
			03/04/85	19.0	166.0	
22N/02W-03E01	M	192.0	10/11/84	44.6	147.4	5105
			03/07/85	38.4	153.6	
22N/02W-03F01	M	191.0	10/11/84	37.3	153.7	5105
			03/04/85	26.8	164.2	
22N/02W-05B01	M		10/11/84	NM-2		5105
			03/34/85	NM-2		
22N/02W-06R02	M	205.0	10/12/84	37.0	168.0	5050
			03/11/55	24.9	180.1	
22N/02W-05D01	M	207.0	10/11/54	32.7	174.3	5105
			03/37/85	25.9	181.1	
22N/02W-09L03	M	195.0	10/11/84	31.1	163.9	5105
			03/34/85	34.5	160.5	
22N/02W-11D01	M	164.0	10/11/84	25.0	139.0	5105
			03/04/85	25.1	138.9	
22N/02W-21D01	M	198.0	10/11/84	18.8	179.2	5105
			03/34/85	18.5	179.5	
22N/02W-23N01	M	175.0	10/11/54	15.2	159.8	5105
			03/04/55	17.7	157.3	
22N/03W-03D01	M	268.0	10/10/84	74.1	193.9	5105
			03/34/85	60.6	207.4	
22N/03W-04E01	M	283.0	10/11/84	70.8	212.2	5001
			03/36/55	64.0	219.0	
22N/03W-05F02	M	295.0	10/11/44	70.3(8)	224.7	5001
			03/36/85	65.6	229.4	
22N/03W-06H01	M	301.0	10/10/54	13.9	287.1	5105
			03/34/85	16.7	284.3	
22N/03W-12D03	M	230.0	10/10/44	32.4	197.6	5105
			03/34/55	24.2	205.8	
23N/01W-09E01	M	181.0	03/34/55	24.2	156.8	5050
23N/01W-14R01	M	189.0	33/34/45	32.9	156.1	5050
23N/01W-27L01	M	160.0	10/01/84	21.8	138.2	5050
			03/34/55	15.4	144.2	
23N/01W-36P01	M	162.0	10/31/84	25.0	137.0	5050
			03/04/45	19.8	142.2	
23N/02W-16R01	M	182.3	10/18/44	38.0	144.3	5050
			03/07/55	35.2	147.3	
23N/02W-22N02	M	181.0	10/18/54	38.2	142.8	5050
			03/37/85	31.8	149.2	
23N/02W-25C01	M	155.0	10/31/84	23.0	132.0	5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

A SACRAMENTO MB
A-13 TEHAMA MU
A-13.8 RED BLUFF MA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
23N/02W-23C01 M	193.0	03/04/85	19.6	135.4	5050
23N/02W-34A01 M	170.0	10/16/84	26.5	143.3	5050
		03/07/85	24.2	145.8	
23N/03W-03G01 M	277.0	10/19/84	36.2	240.8	5050
		03/07/85	30.6	246.4	
23N/03W-12L01 M	247.0	10/18/84	57.4	189.6	5050
		03/07/85	47.8	199.2	
23N/03W-22D01 M	232.0	10/18/84	52.2	179.8	5050
		03/07/85	42.7	189.3	
23N/03W-24A02 M	205.0	10/18/84	40.4	164.6	5050
		03/07/85	28.6	176.4	
23N/03W-36M02 M	233.0	10/18/84	53.3	179.7	5050
		03/07/85	46.0	187.0	
24N/01W-05J01 M	310.0	10/18/84	29.4	280.6	5050
		03/06/85	33.8	276.2	
24N/01W-03D02 M	287.0	10/18/84	41.8	245.2	5050
		03/06/85	43.4	243.6	
24N/01W-18M01 M	254.0	10/19/84	66.7	187.3	5050
		03/08/85	62.5	191.5	
24N/02W-12J01 M	243.0	10/18/84	15.8	227.2	5050
		03/06/85	16.9	226.1	
24N/02W-20C01 M	234.4	10/19/84	50.5(1)	183.9	5050
		03/07/85	54.8(1)	179.6	
24N/02W-23G01 M	197.0	10/16/84	24.7	172.3	5050
		03/06/85	23.4	173.6	
24N/02W-29E01 M	216.5	03/07/85	33.1	183.4	5050
24N/02W-36B01 M	180.0	10/18/84	19.2	160.8	5050
		03/06/85	18.6	161.4	
24N/03W-01B01 M	243.0	10/19/84	37.7	207.3	5050
		03/08/85	33.1	211.9	
24N/03W-02R01 M	253.0	10/19/84	16.1	238.9	5050
		03/08/85	11.0	244.0	
24N/03W-14K01 M	297.0	10/19/84	55.0	242.0	5050
		03/07/85	49.2	247.8	
24N/03W-16A01 M	268.5	10/19/84	31.4	237.1	5050
		03/07/85	27.6	240.9	
24N/03W-17M01 M	313.0	10/19/84	42.3	270.7	5050
		03/07/85	37.8	275.2	
24N/03W-20N01 M	308.0	10/19/84	44.6	263.4	5050
		03/07/85	40.1	267.9	
24N/03W-26K01 M	280.0	10/18/84	40.5	239.5	5050
		03/07/85	40.2	239.8	
24N/03W-35P04 M	230.0	10/18/84	19.6	230.4	5050
		03/07/85	17.3	232.7	
24N/04W-02M01 M	379.2	10/19/84	17.6	361.6	5050
		03/07/85	16.3	362.9	
24N/04W-14N02 M	372.5	10/19/84	57.3	315.2	5050
		03/07/85	60.4	312.1	
25N/02W-09G01 M	262.0	10/18/84	37.5	224.5	5050
		03/06/85	36.3	225.7	
25N/02W-21B01 M	210.0	10/18/84	18.3	191.7	5050
		03/06/85	12.2	197.8	
25N/02W-30G01 M	226.0	10/19/84	37.2	188.8	5050
		03/04/85	38.4	187.6	
25N/02W-34K01 M	204.0	10/18/84	13.2	190.8	5050
		03/06/85	15.0	189.0	
25N/03W-06E01 M	315.0	10/17/84	30.2	284.8	5050
		03/04/85	40.1	274.9	
25N/03W-10L01 M	274.0	10/17/84	42.0	232.0	5050
		03/04/85	38.3	235.7	
25N/03W-10L03 M	274.0	10/17/84	43.1	230.9	5050
		03/04/85	39.3	234.7	
25N/03W-10L04 M	274.0	10/17/84	15.6	258.4	5050
		03/04/85	15.7	258.3	
25N/03W-10L05 M	274.0	10/17/84	17.8	256.2	5050
		03/04/85	15.7	258.3	
25N/03W-11F01 M	256.0	10/17/84	32.7(8)	223.3	5050
		03/04/85	32.6	223.4	
25N/03W-13J01 M	230.7	10/19/84	32.2	198.5	5050
		03/04/85	52.8(1)	177.9	
25N/03W-15A01 M	266.5	10/17/84	36.1(8)	230.4	5050
		03/04/85	33.0(8)	233.5	
25N/03W-19N01 M	325.0	10/17/84	56.2	268.8	5050
		03/04/85	48.3	276.7	
25N/03W-22L01 M	275.0	10/17/84	41.0	234.0	5050
		03/04/85	35.8	239.2	
25N/03W-31R01 M	315.0	10/19/84	7.1	310.9	5050
		03/07/85	6.3	311.7	
25N/04W-23N01 M	368.0	10/17/84	58.2	309.8	5050
		03/04/85	52.7	315.3	
26N/02W-14G01 M	311.7	10/17/84	73.6	238.1	5050
		01/06/85	77.5	234.2	
26N/02W-16C01 M	240.0	10/19/84	17.2	222.8	5050
		03/04/85	NM-7		
26N/02W-17E01 M	238.0	10/19/84	20.0	218.0	5050
		01/06/85	16.7	221.3	
26N/02W-21D01 M	235.0	10/17/84	14.5	220.5	5050
		03/06/85	19.4	215.6	
26N/02W-29N01 M	220.0	10/17/84	14.7	205.3	5050
		03/04/85	14.6	205.4	
26N/02W-29R01 M	228.0	10/18/84	9.1	218.9	5050
		03/06/85	8.9	219.1	
26N/02W-29R02 M	223.0	10/18/84	3.5	224.5	5050
		03/06/85	.4	227.6	
26N/03W-04K01 M	295.0	10/18/84	58.2	226.8	5050
		03/04/85	64.7	230.3	
26N/03W-08N01 M	307.6	10/17/84	50.1	257.5	5050
		03/04/85	44.4	263.2	
26N/03W-11F01 M	262.0	10/17/84	41.1	220.9	5050
		03/04/85	33.2	228.8	
26N/03W-21P01 M	284.5	10/17/84	54.7	229.8	5050
		03/04/85	46.7	237.8	
26N/03W-24F01 M	230.0	10/17/84	12.6	217.4	5050
		03/04/85	15.7	214.3	
26N/03W-34P01 M	272.9	10/17/84	52.6	220.3	5050
		03/04/85	42.4	230.5	
26N/04W-01L01 M	320.0	10/17/84	119.8	200.2	5050
		03/04/85	103.3	216.7	
26N/04W-25J01 M	331.0	10/17/84	41.8	289.2	5050
		03/04/85	38.6	292.4	
27N/02W-30C02 M	280.0	10/17/84	31.4(1)	248.6	5050
		03/06/85	29.3	250.7	
27N/02W-31C01 M	261.0	10/17/84	33.2	227.8	5050
		03/06/85	31.2	229.8	
27N/02W-31P01 M	255.0	10/11/84	21.6	233.4	5001
		04/11/85	19.1	235.9	
27N/03W-10B01 M	315.0	10/19/84	51.7	258.3	5050
		03/06/85	50.9	259.1	
27N/03W-10M01 M	280.0	10/11/84	32.7	247.3	5001
		04/11/85	24.2	255.8	
27N/03W-16J01 M	271.4	10/11/84	33.5	237.9	5001
		04/11/85	27.0	244.4	
27N/03W-18M02 M	275.0	10/19/84	21.4	248.6	5050
		03/06/85	20.3	249.7	
27N/03W-20C01 M	225.3	10/11/84	12.3	214.0	5001
		04/11/85	16.2	210.1	
27N/03W-23D01 M	269.0	10/17/84	27.6	241.4	5050
		03/06/85	20.9	248.1	
27N/03W-27G01 M	259.4	10/11/84	21.1	238.3	5001
		04/11/85	18.8	240.6	
27N/03W-29A01 M	264.5	10/11/84	21.9	242.6	5001
		04/11/85	20.2	244.3	
27N/03W-28L01 M	264.4	10/11/84	16.8	247.6	5001
		04/11/85	15.6	248.8	
27N/03W-36C01 M	259.0	10/11/84	20.6	237.4	5001
		04/11/85	20.3	237.7	
27N/04W-35E01 M	434.0	10/17/84	115.5	320.5	5050
		03/04/85	105.8	329.2	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MR					
A-17 REDDING MU					
A-17.4 ENTERPRISE FLAT MA					
30N/03W-04M01 M	494.5	11/02/84	79.5	415.0	5050
		03/27/85	84.2	410.3	
30N/03W-18F02 M	395.0	10/26/84	10.8	384.2	5050
		03/27/85	12.9	382.1	
30N/03W-29K01 M	419.6	10/26/84	38.7	380.9	5050
		10/28/84	38.7	380.9	
		03/28/85	39.5	380.1	
30N/04W-03001 M	473.3	10/26/84	52.8	420.5	5050
		03/28/85	52.4	420.9	
30N/04W-05K01 M	455.0	10/26/84	47.1	407.9	5050
		03/27/85	45.1	409.9	
30N/04W-15P03 M	426.0	10/26/84	17.1	408.9	5050
		03/27/85	16.3	409.7	
30N/04W-23G01 M	450.0	10/26/84	65.2	384.8	5050
		03/27/85	MM-5		
30N/05W-02001 M	710.0	10/26/84	101.5	608.5	5050
		03/27/85	102.3	607.7	
30N/05W-05001 M	820.0	10/26/84	128.5	691.5	5050
		03/27/85	126.1	693.9	
31N/03W-06H01 M	520.5	11/02/84	61.4	459.1	5050
		03/29/85	60.0	460.5	
31N/03W-10J01 M		11/02/84	MM-2		5050
	499.5	03/29/85	26.3(8)	473.2	
31N/03W-16B01 M	457.6	11/02/84	48.4	409.2	5050
		03/29/85	49.4	408.2	
31N/03W-24C01 M	570.0	11/01/84	70.9	499.1	5050
		03/29/85	67.7	502.3	
31N/03W-28L01 M	500.0	11/02/84	85.0	415.0	5050
		03/29/85	86.6	413.4	
31N/03W-29M01 M	416.4	03/28/85	24.2	392.2	5050
31N/04W-09D01 M	544.0	11/02/84	104.9	439.1	5050
		03/28/85	102.0	442.0	
31N/04W-15K01 M	515.0	11/02/84	111.9	403.1	5050
		03/29/85	110.4	404.6	
31N/04W-16H01 M	512.0	11/01/84	102.6	409.4	5050
		03/29/85	95.7	416.3	
31N/04W-16M01 M	522.0	11/01/84	99.0	423.0	5050
		11/02/84	99.0	423.0	
		03/29/85	93.3	428.7	
31N/04W-25001 M	489.0	10/26/84	88.0	401.0	5050
		03/28/85	86.0	403.0	
31N/04W-27P01 M	492.0	11/01/84	88.0	404.0	5050
		03/28/85	81.9	410.1	
31N/04W-29R02 M	442.0	10/26/84	15.0	427.0	5050
		03/28/85	22.6(1)	419.4	
32N/04W-33G01 M	630.0	11/02/84	122.2	507.8	5050
		03/29/85	120.4	509.6	
A-17.8 LOWER COTTONWOOD MA					
29N/03W-06P01 M	409.7	10/26/84	33.6	376.1	5050
		03/27/85	36.4	373.3	
29N/04W-02P01 M	445.0	10/26/84	58.7	386.3	5050
		03/27/85	60.8	384.2	
29N/04W-04R03 M	505.0	10/26/84	61.1	443.9	5050
		03/27/85	60.8	444.2	
29N/04W-05001 M		10/26/84	MM-0		5050
29N/04W-19E02 M	425.0	10/25/84	33.9(8)	391.1	5050
		03/27/85	36.7(8)	388.3	
29N/04W-28001 M	500.0	10/25/84	97.6	402.4	5050
		03/27/85	96.0	404.0	
29N/04W-30L01 M	489.9	10/25/84	52.7	437.2	5050
		03/27/85	47.4	442.5	
29N/04W-35R01 M	535.0	10/25/84	82.7	452.3	5050
		03/27/85	84.1	450.9	
29N/05W-07A01 M	549.0	10/26/84	45.2	503.8	5050
		03/27/85	42.2	506.8	
29N/05W-09L01 M	515.0	10/26/84	27.0	488.0	5050
		03/27/85	25.0	490.0	
29N/05W-11A02 M	512.0	10/26/84	52.0	460.0	5050
		03/27/85	50.2	461.8	
29N/05W-14L01 M	490.0	10/25/84	39.0	455.0	5050
		03/27/85	30.6	459.4	
29N/05W-16R01 M	530.0	10/25/84	56.2(8)	473.8	5050
		03/27/85	50.2	479.8	
29N/05W-26N01 M	498.7	10/25/84	32.6	467.1	5050
		03/27/85	27.7	472.0	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A SACRAMENTO MA					
A-23 PIT RIVER MU					
A-23.C MCARTHUR MA					
A-23.C1 BIG LAKE MSA					
37N/04E-08G01 M	3323.6	10/15/84	28.7	3294.9	5050
		03/21/85	26.1	3297.5	
37N/04E-10L01 M	3310.0	10/15/84	29.8	3280.2	5050
		03/21/85	14.3	3295.7	
37N/04E-11A01 M	3310.0	10/15/84	31.2	3278.8	5050
		03/21/85	20.5	3289.5	
37N/04E-13B01 M	3310.0	10/15/84	30.7	3279.3	5050
		03/21/85	27.5	3282.5	
37N/05E-01J01 M	3322.7	10/15/84	10.5	3312.2	5050
		04/17/85	10.4	3312.3	
37N/05E-02G02 M	3315.3	10/15/84	8.5	3307.0	5050
		04/17/85	4.7	3310.8	
37N/05E-03M01 M	3308.0	10/15/84	3.3	3304.7	5050
		04/17/85	4.0	3304.0	
37N/05E-13J01 M	3270.0	10/15/84	10.1	3259.9	5050
		04/17/85	MM-1		
37N/05E-21B02 M	3311.0	10/15/84	32.1	3278.9	5050
		04/17/85	31.4	3279.6	
37N/05E-23F01 M	3340.0	10/15/84	39.8	3300.2	5050
		04/17/85	37.2	3302.8	
37N/05E-29D01 M	3321.0	10/15/84	80.8	3240.4	5050
		04/17/85	80.0	3241.0	
37N/06E-20N01 M	3360.0	10/15/84	22.0	3338.0	5050
		04/17/85	21.7	3338.3	
37N/06E-32B01 M	3320.0	10/15/84	23.8	3296.2	5050
		04/17/85	21.2	3298.8	
38N/04E-27D01 M	3317.0	10/15/84	24.5	3292.5	5050
		03/21/85	3.0(8)	3314.0	
38N/04E-33F01 M	3318.0	10/15/84	10.4	3307.6	5050
		03/21/85	5.5	3312.5	
A-23.D BIG VALLEY MA					
A-23.D1 BIEBER MSA					
37N/07E-13K02 M	4124.0	11/01/84	27.9	4096.1	5050
		04/18/85	19.0	4105.0	
37N/08E-06C01 M	4130.0	11/01/84	17.5	4112.5	5050
		04/18/85	10.5	4119.5	
38N/07E-12G01 M	4140.0	11/01/84	8.6	4131.4	5050
		04/18/85	7.8(1)	4132.2	
38N/07E-20R06 M	4123.0	11/01/84	18.9	4104.1	5050
		04/18/85	12.9	4110.1	
38N/07E-23E01 M	4120.0	11/01/84	23.0	4097.0	5050
		04/18/85	17.7	4102.3	
38N/07E-24J02 M	4135.0	11/01/84	9.0	4126.0	5050
		04/18/85	3.3	4131.7	
38N/07E-32A02 M	4113.5	11/01/84	3.5	4110.0	5050
		04/18/85	1.2	4114.3	
38N/08E-03D01 M	4160.0	11/01/84	24.8	4135.2	5050
		04/18/85	18.5	4141.5	
38N/08E-16D01 M	4168.0	11/01/84	29.3	4138.7	5050
		04/18/85	19.5	4148.5	
38N/08E-17K01 M	4149.9	11/01/84	10.1	4139.8	5050
		04/18/85	10.1	4139.8	
38N/09E-08F01 M	4250.0	11/01/84	27.1	4222.9	5050
		04/18/85	27.7	4222.3	
38N/09E-18E01 M	4245.0	11/01/84	16.8	4228.2	5050
		04/18/85	16.3	4228.7	
38N/09E-18M01 M	4285.0	11/01/84	58.6	4226.4	5050
		04/18/85	57.3	4227.7	
39N/07E-01A01 M	4200.0	10/31/84	34.1	4165.9	5050
		04/18/85	22.4	4177.6	
39N/07E-22G01 M	4140.0	10/31/84	8.4	4131.6	5050
		04/18/85	8.2	4131.8	
39N/07E-26E01 M	4130.0	10/31/84	7.6	4122.4	5050
		04/18/85	5.5	4124.5	
39N/08E-18N02 M	4160.0	10/31/84	7.5	4152.5	5050
		04/18/85	26.8	4133.2	
39N/08E-21C01 M	4158.0	10/31/84	21.9	4136.1	5050
		04/18/85	13.8	4144.2	
39N/09E-28F01 M	4201.2	11/01/84	7.3	4193.9	5050
		04/18/85	5.8	4197.4	
39N/09E-32A01 M	4240.0	11/01/84	41.9(M)	4198.1	5050
		04/14/85	MM-2		
A SACRAMENTO MA					
A-23 PIT RIVER MU					
A-23.D BIG VALLEY MA					
A-23.D2 UPPER ASH CREEK MSA					
39N/09E-02P03 M	4286.0	11/01/84	10.7	4275.3	5050
		04/18/85	10.9	4275.1	
39N/09E-15M03 M	4211.0	11/01/84	5.2	4205.8	5050
		04/18/85	4.1	4206.9	
A-23.E UPPER PIT RIVER MA					
A-23.E1 CANBY MSA					
41N/10E-06D01 M	4303.4	10/15/84	6.8	4296.6	5050
		03/28/85	MM-9		
41N/11E-03G02 M	4360.0	10/15/84	4.3	4355.7	5050
		03/28/85	5.1	4354.9	
41N/11E-05L03 M	4320.0	10/15/84	2.7	4317.3	5050
		03/29/85	7.1	4312.9	
42N/09E-25M01 M	4320.0	10/18/84	29.8	4290.2	5050
		03/28/85	MM-9		
42N/09E-36A01 M	4290.0	10/15/84	17.5	4272.5	5050
		03/25/85	MM-9		
42N/11E-09F01 M	4400.0	10/15/84	36.0	4364.0	5050
		03/28/85	MM-9		
42N/11E-30C01 M	4340.6	10/18/84	32.0	4308.6	5050
		03/29/85	25.1	4315.5	
42N/11E-30F01 M	4360.0	10/15/84	92.9	4267.1	5050
		03/28/85	MM-9		
A-23.E2 ALTURAS MSA					
41N/12E-11D01 M	4382.6	10/16/84	25.8	4356.8	5050
		03/28/85	23.6	4359.0	
41N/12E-15D01 M	4400.0	10/16/84	46.0	4354.0	5050
		03/28/85	MM-9		
42N/12E-02R01 M	4421.0	10/16/84	73.7	4347.3	5050
		03/28/85	67.5	4353.5	
42N/12E-11E01 M	4380.0	10/16/84	55.0	4325.0	5050
		03/28/85	MM-9		
42N/12E-27R01 M	4370.0	10/16/84	14.2	4355.8	5050
		03/28/85	13.1	4356.9	
42N/13E-06P01 M	4398.0	10/18/84	6.2	4391.8	5050
		03/26/85	5.7	4392.3	
42N/13E-06P02 M	4395.0	10/15/84	21.5	4373.5	5050
		03/28/85	MM-9		
42N/13E-16N01 M	4415.0	10/18/84	36.5	4378.5	5050
		03/28/85	30.0	4385.0	
42N/13E-18D01 M	4380.0	10/18/84	11.0	4369.0	5050
		03/28/85	MM-9		
42N/13E-31P02 M	4362.0	10/16/84	7.9	4354.1	5050
		03/25/85	MM-9		
42N/13E-34M01 M	4431.1	10/16/84	14.3	4416.8	5050
		03/26/85	11.3	4419.8	
43N/13E-32D01 M	4438.0	10/15/84	22.3	4415.7	5050
		03/28/85	17.0	4421.0	
44N/14E-06B01 M	4745.0	10/16/84	32.2	4712.8	5050
		03/26/85	MM-9		
44N/14E-07J01 M	4760.0	10/16/84	30.1	4729.9	5050
		03/26/85	26.0	4734.0	
44N/14E-08K02 M	4800.0	10/16/84	71.0	4729.0	5050
		03/26/85	66.5	4733.5	
A-23.E3 JESSE VALLEY MSA					
37N/13E-18A02 M	3313.0	10/05/84	14.6	3298.4	5050
		03/29/85	8.9	3306.1	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SACRAMENTO MB					
A-24	LAKEVIEW MU					
A-24.A	DAVIS CREEK MA					
45N/13E-24R01 M		4832.0	10/16/84	9.1	4822.9	5050
			03/27/85	11.0	4821.0	
45N/14E-17P01 M		4796.9	10/16/84	61.1	4735.8	5050
			03/27/85	55.4	4741.5	
45N/14E-18B01 M		4745.2	10/16/84	31.8	4713.4	5050
			03/27/85	MM-9		
45N/14E-19N01 M		4740.0	10/16/84	17.5	4722.5	5050
			03/27/85	MM-9		
45N/14E-20K01 M		4803.0	03/27/85	54.5	4748.5	5050
45N/14E-32G01 M		4820.0	10/16/84	72.3	4747.7	5050
			03/27/85	MM-4		
47N/14E-02K03 M		4780.0	10/16/84	25.8	4754.2	5050
			03/27/85	14.6	4765.4	
47N/14E-11L02 M		4780.0	10/16/84	12.0	4768.0	5050
			03/27/85	MM-9		
48N/14E-24B01 M		4863.0	10/16/84	34.4	4828.6	5050
			03/27/85	20.5	4842.5	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

B SAN JOAQUIN MB
6-01 SAN JOAQUIN DELTA HU

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
01N/03E-17E01 M		10/09/84	NM-0		5030
01N/06E-03K01 M		10/15/84	NM-9		5030
	11.0	03/12/85	22.3	-11.3	
01N/06E-04J02 M	8.0	10/15/84	19.0	-11.0	5030
		03/12/85	16.4	-8.4	
01N/06E-05H01 M	3.0	12/21/84	12.7	-9.7	5030
		03/12/85	12.5	-9.5	
01N/06E-05M04 M	.0	03/14/85	6.0	-6.0	5110
01N/06E-08R02 M	5.0	03/14/85	3.5	1.5	5110
01N/06E-10R01 M	14.0	10/15/84	29.9	-15.9	5030
		03/12/85	28.6	-14.6	
01N/06E-16N01 M		10/01/84	NM-7		5001
		03/29/85	NM-6		
01N/06E-17A01 M		10/01/84	NM-7		5001
	4.0	03/12/85	4.2	-.2	5030
01N/06E-27R01 M		10/01/84	NM-7		5001
	11.0	12/21/84	19.0	-8.0	5030
		03/13/85	19.7	-8.7	
01N/07E-31L01 M		10/01/84	NM-7		5001
	21.0	03/19/85	28.8	-7.8	5030
02N/06E-17J01 M	11.2	10/15/84	40.7	-29.5	5030
		03/12/85	NM-1		
02N/06E-20F01 M	14.8	10/15/84	23.6	-10.8	5030
		03/12/85	22.4	-7.6	
02N/06E-32G01 M	4.0	12/21/84	14.9	-10.9	5030
		01/24/85	14.4	-10.4	
		02/22/85	14.4	-10.4	
		03/25/85	14.5	-10.5	
		04/25/85	14.6	-10.6	
		05/24/85	17.3	-13.3	
		06/24/85	18.8	-14.8	
		07/23/85	19.2	-15.2	
		08/23/85	20.2	-16.2	
		09/23/85	18.3	-14.3	
02N/06E-34L01 M	15.8	10/15/84	32.9	-17.1	5030
		03/12/85	30.2	-14.4	
03N/03E-03M02 M	2.7	10/24/84	4.2	-1.5	5030
		03/15/85	4.2	-1.5	
03N/05E-14C01 M	6.7	10/19/84	6.0	.7	5110
		03/12/85	5.0	1.7	
03N/05E-24L01 M	8.0	12/18/84	10.0	-2.0	5030
		03/13/85	10.4	-2.4	
04N/05E-01F11 M	16.6	10/03/84	2.8	13.8	8201
		01/08/85	2.6	14.0	
04N/05E-02G11 M	17.6	10/03/84	7.5	10.1	8201
		01/08/85	8.6	9.0	
04N/05E-03D02 M	7.8	10/18/84	5.0	2.8	5110
		03/14/85	3.0	4.8	
04N/05E-05H01 M	4.0	10/18/84	5.5	-1.5	5110
		03/14/85	4.5	-.5	
04N/05E-09D01 M	.0	10/18/84	4.3	-4.3	5110
		03/14/85	2.3	-2.3	
04N/05E-10K01 M	6.3	10/18/84	9.8	-3.5	5110
		03/14/85	10.8	-4.5	
04N/05E-11J11 M	15.7	10/03/84	10.5	5.2	8201
		01/08/85	8.4	7.3	
04N/05E-17J02 M	.6	10/02/84	6.8	-6.2	5030
		03/13/85	6.3	-5.7	
04N/05E-22A01 M		10/01/84	NM-7		5001
	8.2	03/13/85	4.1	4.1	5050
04N/05E-33A04 M	2.0	10/24/84	6.0	-4.0	5030
		03/13/85	5.4	-3.4	
04N/05E-35P12 M	10.6	10/03/84	6.8	3.8	8201
		01/08/85	13.0	-2.4	
05N/05E-22R01 M	12.0	10/10/84	11.4	.6	5001
		03/04/85	10.8	1.2	
05N/05E-28L03 M	6.0	10/18/84	4.5	1.5	5110
		03/14/85	4.5	1.5	
05N/05E-31A03 M	2.0	10/02/84	3.6	-1.6	5030
		03/13/85	3.6	-1.6	
05N/05E-32M01 M	1.5	10/18/84	6.2	-4.7	5110
		03/14/85	4.7	-3.2	
01S/03E-03M01 M	30.0	10/09/84	11.4	18.6	5050
		03/18/85	11.4	18.6	
01S/03E-19A01 M	23.0	10/09/84	4.7	18.3	5030

B SAN JOAQUIN MB
6-01 SAN JOAQUIN DELTA HU

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
01S/03E-15A01 M	23.0	03/19/85	5.3	17.7	5050
01S/04E-32N01 M	21.0	10/11/84	1.9	19.1	5110
		03/12/85	3.9	17.1	
01S/05E-31R02 M	4.0	10/11/84	4.4	-.4	5110
		03/12/85	3.4	.6	
01S/05E-35Q02 M	9.0	10/11/84	7.5	.5	5110
		03/12/85	7.5	.5	
01S/06E-04A02 M	8.5	10/17/84	7.2	1.3	5050
		03/13/85	5.9	2.6	
01S/06E-15F01 M	10.0	10/17/84	10.0(4)	.0	5050
		03/13/85	7.9	2.1	
01S/06E-22D02 M	15.0	10/17/84	7.2	2.8	5050
		03/18/85	5.5	4.5	
01S/06E-23C03 M	13.0	10/17/84	9.3	3.7	5050
		03/13/85	6.6	6.4	
01S/06E-34K01 M	9.0	03/14/85	4.3	4.7	5050
02S/04E-09A01 M	46.0	10/11/84	6.0	40.0	5110
		03/12/85	8.0	38.0	
02S/04E-10M02 M	46.0	10/03/84	6.3	39.7	5001
		03/26/85	2.6	43.4	
02S/04E-15R02 M	62.0	10/03/84	4.2	57.8	5001
		03/26/85	3.2	58.8	
02S/04E-16L01 M	98.0	10/03/84	12.7	85.3	5001
		03/26/85	15.2	82.8	
02S/05E-08B01 M	4.0	10/11/84	9.7	-5.7	5110
		03/12/85	NM-7		
02S/05E-13N01 M	24.0	10/11/84	9.3	14.7	5110
		03/12/85	13.3	10.7	
02S/05E-17N01 M	24.0	10/03/84	9.2	14.8	5001
		03/27/85	4.5	19.5	
02S/05E-18N02 M	22.5	10/03/84	4.2	18.3	5001
		03/27/85	4.0	18.5	
02S/05E-23N01 M	46.0	10/03/84	7.3	38.7	5001
		04/30/85	7.8	38.2	
02S/05E-24M01 M	41.0	10/11/84	49.5(8)	-8.5	5110
		03/12/85	33.5(8)	7.5	
02S/05E-24N01 M	44.0	10/04/84	61.0	-17.0	5001
		04/30/85	NM-1		
02S/05E-25J02 M	47.0	10/04/84	47.0	.0	5001
		03/27/85	52.9	-5.9	
02S/05E-26Q01 M	64.0	10/11/84	11.7	52.3	5110
		03/12/85	11.7	52.3	
02S/05E-28P01 M	72.0	10/11/84	18.5	53.5	5110
		03/12/85	25.0	47.0	
02S/05E-31E01 M		10/03/84	DRY		5001
		03/27/85	DRY		
02S/05E-31H01 M	70.0	10/03/84	9.4	60.6	5001
		03/27/85	11.9	58.1	
02S/05E-32A01 M	75.0	10/03/84	18.9	57.1	5001
		03/27/85	21.2	54.8	
02S/05E-36K01 M		10/03/84	NM-4		5001
		03/27/85	NM-4		
02S/06E-19M01 M	33.0	10/04/84	13.2	19.8	5001
		03/27/85	11.4	21.6	
02S/06E-19N01 M	37.9	10/04/84	52.2	-14.3	5001
		03/27/85	35.4	2.5	
02S/06E-27E01 M	20.0	10/11/84	7.0	13.0	5110
		03/12/85	4.0	16.0	
02S/06E-30M01 M		10/11/84	NM-4		5110
		03/12/85	NM-4		
02S/06E-31E01 M	55.0	10/04/84	8.9	46.1	5001
		03/27/85	7.1	47.9	
02S/06E-31J02 M	50.0	10/11/84	5.5	44.5	5110
		03/12/85	6.0	44.0	
02S/06E-31M01 M	64.0	10/11/84	22.0	42.0	5110
		03/12/85	18.5	45.5	
02S/06E-32N01 M	55.0	10/10/84	71.5	-16.5	5001
		04/30/85	NM-1		
03S/05E-04M01 M	118.0	10/11/84	48.5	69.5	5110
		03/12/85	50.5	67.5	
03S/05E-09R01 M	159.4	10/30/84	74.1	85.3	5001
		03/27/85	78.4	81.0	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN MB					
B-01 SAN JOAQUIN DELTA MU					
035/06E-03F02 M	29.0	10/11/84	12.5	16.5	5110
		03/12/85	6.0	23.0	
035/06E-03P01 M	36.5	10/04/84	6.6	29.9	5001
		05/01/85	2.9	33.6	
035/06E-04A01 M		10/04/84	NM-2		5001
		05/01/85	NM-2		
035/06E-04D01 M		10/04/84	DRY		5001
		05/01/85	DRY		
035/06E-05E01 M	59.0	10/11/84	77.0	-18.0	5110
		03/21/85	44.0	15.0	
035/06E-03R01 M	36.7	10/04/84	69.0	-12.3	5001
		05/01/85	66.9	-10.2	
035/06E-06M01 M	75.0	10/04/84	7.4	67.6	5001
		03/27/85	9.0	66.0	
035/06E-08A01 M	57.0	10/04/84	18.9	38.1	5001
		05/01/85	18.4	38.6	
035/06E-18B01 M	82.1	10/05/84	12.3	69.8	5001
		04/30/85	11.8	70.3	
035/06E-18M02 M	99.3	10/03/84	13.2	86.1	5001
		04/30/85	10.2	89.1	
035/06E-27N01 M	113.0	10/11/84	29.5	83.5	5110
		03/12/85	33.0	80.0	
035/06E-28F03 M	116.4	10/04/84	25.3	91.1	5001
		05/01/85	NM-2		
035/06E-28M01 M	144.8	10/04/84	61.0	83.8	5001
		05/01/85	62.3	82.5	
035/06E-30D01 M	137.4	10/03/84	66.3	91.1	5001
		04/30/85	64.6	92.8	
035/07E-06D01 M	26.0	10/17/84	6.6	19.4	5050
		03/14/85	9.3(4)	16.7	

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN MB					
B-02 NORTH DIABLO RANGE MU					
025/04E-23M01 M	112.0	10/03/84	11.7	100.3	5001
		03/27/85	14.3	97.7	
025/04E-27J01 M	153.6	10/03/84	137.7	15.9	5001
		03/27/85	126.7	26.9	
025/04E-28A01 M		10/03/84	NM-1		5001
	178.0	03/27/85	173.4	4.6	
025/04E-28M01 M	198.0	10/03/84	116.2	81.8	5001
		01/27/85	113.8	84.2	
025/04E-35D02 M		10/03/84	NM-1		5001
		03/27/85	NM-1		
025/04E-35M01 M		10/03/84	NM-8		5001
		03/27/85	NM-8		
025/04E-36P01 M	180.0	10/03/84	165.0(3)	15.0	5001
		03/27/85	158.5(3)	21.5	
025/05E-31N01 M	130.0	10/03/84	140.4	-10.4	5001
		03/27/85	120.3	9.7	
035/05E-06A02 M	111.0	10/03/84	48.6	62.4	5001
		03/27/85	53.3	57.5	
035/05E-07B01 M		10/03/84	NM-8		5001
		03/27/85	NM-7		
035/05E-08D02 M	177.0	10/03/84	109.9	67.1	5001
		03/27/85	112.9	64.1	
035/05E-15K01 M	142.9	10/05/84	42.0	100.9	5001
		03/27/85	55.2	87.7	
035/05E-17B01 M	212.0	10/03/84	241.4	-29.4	5001
		03/27/85	NM-3		
035/05E-23B01 M	124.0	10/05/84	34.3	89.7	5001
		03/27/85	36.3	87.7	
035/05E-25D01 M	207.0	10/05/84	111.6	95.4	5001
		04/30/85	114.5(6)	92.5	
035/05E-26K01 M	212.1	10/03/84	120.2	91.9	5001
		03/27/85	118.8	93.3	
035/05E-26R01 M	242.0	10/03/84	177.7	64.3	5001
		03/27/85	183.1	58.9	
035/06E-32E01 M	200.0	10/03/84	113.6	86.4	5001
		05/01/85	93.8	106.2	
035/06E-32G01 M	177.0	10/03/84	96.6	80.4	5001
		05/01/85	133.3	43.7	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN HB					
B-03 NORTH VALLEY FLOOR HU					
B-03.A LOWER COSUMNES-ORY HA					
B-03.A1 LOWER DEER CREEK HSA					
09N/07E-36F01 M	310.0	10/12/84	132.4	177.6	5050
		03/08/85	132.2	177.8	
B-03.A2 MERALD HSA					
04N/07E-01B11 M	105.1	10/15/84	126.5	-21.4	8201
		01/16/85	118.4	-13.3	
04N/07E-02R01 M	103.6	10/15/84	126.1	-22.5	8201
		01/16/85	115.6	-12.0	
04N/07E-03B01 M	93.2	10/17/84	121.2	-28.0	5001
		03/05/85	106.4	-13.2	
04N/07E-12E01 M	105.7	10/18/84	125.2	-19.5	5110
		03/12/85	126.7	-21.0	
04N/07E-12G12 M		10/15/84	NM-9		8201
		01/16/85	NM-9		
04N/08E-02E11 M	155.6	10/23/84	143.6	12.0	8201
		11/16/84	143.6	12.0	
		12/11/84	139.4	16.2	
		01/22/85	139.2	16.4	
		02/19/85	138.9	16.7	
		03/11/85	140.8	14.8	
		04/10/85	138.5	17.1	
		05/14/85	139.2	16.4	
		06/11/85	139.7	15.9	
		07/19/85	140.5	15.1	
		09/13/85	141.4	14.2	
		09/25/85	141.6	14.0	
04N/08E-03F11 M	149.9	10/23/84	146.7	3.2	8201
		11/16/84	145.4	4.5	
		12/11/84	144.8	5.1	
		01/22/85	144.5	5.4	
		02/21/85	144.4	5.5	
		03/07/85	144.0	5.9	
		04/10/85	143.4	6.5	
		05/20/85	143.8	6.1	
		06/11/85	147.7	2.2	
		07/17/85	NM-1		
		08/13/85	145.7	4.2	
		09/25/85	145.6	4.3	
04N/08E-04P14 M	137.0	10/22/84	142.2	-5.2	8201
		01/22/85	138.9	-1.9	
04N/08E-06C02 M	105.0	10/18/84	125.8	-20.8	5050
		01/25/85	117.4	-12.4	
		02/26/85	115.2	-10.2	
		03/25/85	114.2	-9.2	
		04/25/85	115.2	-10.2	
		05/24/85	119.9	-14.9	
		06/24/85	123.2	-18.2	
		07/26/85	126.7	-21.7	
		08/23/85	127.4	-22.4	
		09/24/85	126.1	-21.1	
04N/08E-06N02 M		10/15/84	NM-1		5110
	116.0	03/12/85	132.0(4)	-16.0	
05N/05E-01D02 M	25.0	10/10/84	62.8	-37.8	5001
		03/04/85	54.1	-29.1	
05N/05E-11B02 M		10/10/84	NM-1		5001
	21.8	03/04/85	38.8	-17.0	
05N/05E-11N01 M	17.9	10/10/84	28.6	-10.7	5001
		03/04/85	23.6	-5.7	
05N/05E-12M03 M	14.0	03/15/85	20.8	-6.8	5050
05N/06E-02C01 M	30.0	10/15/84	98.8	-48.8	4202
		03/15/85	75.6	-25.6	
05N/06E-04R02 M	40.0	03/15/85	65.1	-25.1	5050
		09/18/85	76.2	-36.2	
05N/05E-05R01 M	35.0	03/15/85	62.2	-27.2	5050
05N/05E-10A01 M	47.3	03/11/85	80.1	-32.9	5050
05N/05E-10F01 M	41.3	10/04/84	91.3	-50.0	5050
		03/04/85	85.4	-44.1	
		09/18/85	91.0	-49.7	
05N/06E-12R01 M	64.0	10/17/84	108.9	-44.9	5001
		03/05/85	97.2	-33.2	
05N/05E-13R01 M	63.5	10/17/84	113.4	-49.9	5001
		03/05/85	99.4	-35.9	
05N/06E-14J01 M	52.0	10/15/84	101.7	-49.7	4202
		03/15/85	89.8	-37.8	
05N/06E-15R02 M	41.0	10/17/84	85.9	-45.9	5001
		03/05/85	83.6	-42.6	
05N/05E-17J01 M	32.5	10/10/84	75.7	-43.2	5001
		03/04/85	67.3	-34.8	
05N/06E-19B01 M	20.0	10/10/84	37.9	-17.9	5001
		03/04/85	NM-1		
05N/05E-26D01 M	51.3	10/04/84	89.4	-38.1	5050
		03/04/85	77.4	-26.1	
		09/18/85	92.0	-40.7	

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN HB					
B-03 NORTH VALLEY FLOOR HU					
B-03.A LOWER COSUMNES-ORY HA					
B-03.A2 MERALD HSA					
05N/06E-26K01 M	53.0	10/29/84	73.6	-23.6	5050
		11/27/84	71.8	-21.8	
		12/18/84	70.7	-20.7	
		01/25/85	69.5	-19.5	
		02/22/85	68.7	-18.7	
		03/25/85	68.0	-18.0	
		04/29/85	69.4	-19.4	
		05/24/85	70.1	-20.1	
		06/25/85	88.0	-35.0	
		07/25/85	102.0	-52.0	
		08/22/85	68.1	-18.1	
		09/24/85	95.2	-45.2	
05N/06E-29C01 M	28.0	10/15/84	66.7	-38.7	4202
		03/15/85	53.6	-25.6	
05N/06E-29H01 M	32.6	10/10/84	70.8	-38.2	5001
		03/04/85	59.1	-26.5	
05N/06E-30E01 M	24.0	10/10/84	51.3	-27.3	5001
		10/15/84	49.9	-35.9	4202
		03/04/85	38.4	-14.4	5001
		03/15/85	37.6	-13.6	4202
05N/06E-31E03 M	20.0	10/10/84	33.3	-13.3	5001
		03/04/85	25.3	-5.3	
05N/06E-33H01 M	38.5	10/10/84	55.6	-17.1	5001
		03/04/85	49.9	-11.4	
05N/06E-33J01 M	41.0	10/15/84	62.0	-21.0	4202
		03/15/85	47.7	-6.7	
05N/06E-35R02 M	53.0	10/10/84	49.7	3.3	5001
		03/04/85	33.2	19.8	
05N/07E-06A01 M	65.0	03/22/85	97.2	-32.2	5050
05N/07E-07E02 M	60.0	10/17/84	117.2	-57.2	5001
		03/05/85	103.6	-43.6	
05N/07E-08D01 M	75.0	03/11/85	105.3	-30.3	5050
05N/07E-10D01 M	75.0	10/12/84	114.4	-39.4	5050
		03/11/85	103.4	-28.4	
05N/07E-12E02 M	127.0	10/16/84	159.4	-32.4	5001
		03/06/85	154.4	-27.4	
05N/07E-16A01 M	81.0	10/12/84	123.4	-42.4	5050
		03/15/85	109.8	-28.8	
05N/07E-19M01 M	65.0	10/12/84	101.1	-36.1	5050
		03/15/85	88.6	-23.6	
05N/07E-20G01 M	76.7	10/17/84	121.9	-45.2	5001
		03/05/85	107.5	-30.8	
05N/07E-23C01 M	97.0	10/16/84	130.7	-33.7	5001
		03/06/85	116.2	-19.2	
05N/07E-23H01 M	100.0	03/15/85	119.4	-19.4	5050
05N/07E-26J01 M		10/17/84	NM-3		5001
	91.0	03/05/85	103.5(3)	-12.5	
05N/07E-29A01 M	85.0	03/15/85	105.7	-19.7	5050
05N/07E-29K01 M	71.0	10/17/84	96.7	-25.7	5001
		03/05/85	86.9	-15.9	
05N/07E-29K02 M	71.0	10/17/84	104.2(4)	-33.2	5001
		03/05/85	93.2	-22.2	
05N/07E-30A01 M	73.0	10/15/84	117.0	-44.0	4202
		03/15/85	99.6	-26.6	
05N/07E-34G01 M	85.8	10/15/84	124.9(8)	-36.1	5110
		03/12/85	116.9(8)	-30.1	
05N/08E-08M01 M	173.0	10/16/84	182.1	-9.1	5001
		03/06/85	179.5	-6.5	
05N/08E-24Q11 M	257.2	10/23/84	190.9	66.3	8201
		11/16/84	191.0	66.2	
		12/11/84	190.1	67.1	
		01/22/85	190.9	66.3	
		02/19/85	NM-8		
		03/11/85	191.1	66.1	
		04/10/85	190.3	66.9	
		05/14/85	191.4	65.8	
		06/14/85	191.5	65.7	
		07/17/85	191.4	65.8	
		08/13/85	NM-1		
		09/15/85	NM-1		
05N/08E-25R11 M	265.7	10/23/84	209.0	56.7	8201
		11/16/84	209.0	56.7	
		12/11/84	209.1	56.6	
		01/22/85	208.8	56.9	
		02/19/85	209.1	56.6	
		03/11/85	215.3	50.4	
		04/13/85	NM-1		
		05/14/85	209.3	56.4	
		06/14/85	211.4	54.3	
		07/17/85	211.0	54.7	
		08/13/85	216.3	49.4	
		09/15/85	NM-1		

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
R SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR MU					
8-03.4 LOWER COSUMNES-ORY MA					
8-03.42 MERALO MSA					
05N/06E-26M01 M	208.9	10/23/84	177.4	31.5	8201
		11/16/84	177.5	31.4	
		12/11/84	177.4	31.5	
		01/22/85	178.2	30.7	
		02/19/85	176.3	32.6	
		03/11/85	177.8	31.1	
		04/10/85	177.9	31.0	
		05/14/85	177.9	31.0	
		06/14/85	178.4	30.5	
		07/17/85	178.2	30.7	
		08/13/85	178.4	30.5	
		09/16/85	178.4	30.5	
05N/06E-27R12 M	164.5	10/23/84	160.8	3.7	8201
		11/15/84	162.0	2.5	
		12/07/84	170.8	-6.3	
		01/22/85	159.9	4.6	
		02/21/85	162.6	1.9	
		03/07/85	169.3	-4.8	
		04/10/85	170.7	-6.2	
		05/20/85	161.9	2.6	
		06/11/85	163.9	.6	
		07/17/85	164.3	.2	
		08/13/85	160.6	3.9	
		09/25/85	160.6	3.9	
05N/08E-31R01 M	137.0	10/15/84	153.3(8)	-16.3	5110
		03/12/85	147.3(8)	-10.3	
05N/08E-32R11 M	162.1	10/23/84	175.0	-12.9	8201
		01/22/85	169.8	-7.7	
05N/08E-34G11 M	224.4	10/23/84	221.7	2.7	8201
		11/15/84	NM-1		
		12/07/84	224.6	-.2	
		01/22/85	220.4	4.0	
		02/21/85	220.3	4.1	
		03/07/85	226.2	-1.8	
		04/16/85	NM-1		
		05/20/85	220.1	4.3	
		06/11/85	220.2	4.2	
		07/19/85	220.4	4.0	
		08/13/85	222.8	1.6	
		09/25/85	NM-1		
05N/08E-34Q11 M	213.8	10/23/84	213.3	.5	8201
		01/22/85	211.2	2.6	
05N/08E-35K12 M	188.6	10/23/84	163.0	25.6	8201
		11/15/84	162.9	25.7	
		12/11/84	162.9	25.7	
		01/22/85	163.0	25.6	
		02/21/85	NM-1		
		03/07/85	163.2	25.4	
		04/16/85	162.8	25.8	
		05/20/85	163.0	25.6	
		06/11/85	163.0	25.6	
		07/17/85	163.1	25.5	
		08/12/85	163.2	25.4	
		09/25/85	163.2	25.4	
05N/09E-20F01 M		10/23/84	ORY		8201
		01/23/85	ORY		
		04/10/85	ORY		
		07/19/85	ORY		
05N/09E-30C11 M	249.2	10/23/84	88.3	160.9	8201
		11/16/84	88.5	160.7	
		12/11/84	88.3	160.9	
		01/23/85	87.2	162.0	
		02/19/85	87.2	162.0	
		03/11/85	87.2	162.0	
		04/10/85	87.1	162.1	
		05/06/85	NM-1		
		06/14/85	87.2	162.0	
		07/19/85	87.2	162.0	
		08/12/85	NM-1		
		09/16/85	NM-1		
05N/09E-30M11 M	245.7	10/23/84	98.3	147.4	8201
		11/16/84	98.4	147.3	
		12/11/84	96.4	149.3	
		01/23/85	96.4	149.3	
		02/19/85	96.2	149.5	
		03/11/85	94.2	151.5	
		04/10/85	96.1	149.6	
		05/06/85	96.0	149.7	
		06/14/85	96.2	149.5	
		07/19/85	96.3	149.4	
		08/12/85	96.2	149.5	
		09/16/85	96.0	149.7	
06N/06E-01G01 M	76.5	10/17/84	79.2	-2.7	5001
		03/06/85	73.8	2.7	
06N/06E-11J03 M	63.0	10/17/84	73.8	-10.8	5001
		03/06/85	66.0	-3.0	
06N/06E-13J01 M	65.0	10/17/84	89.6	-24.6	5001
		03/06/85	80.6	-15.6	
06N/06E-16E01 M	50.3	10/10/84	50.8	-.3	5001
		03/05/85	47.6(1)	2.7	
06N/06E-22C01 M	50.0	03/22/85	50.1	-.1	5050
06N/06E-23C01 M	52.0	10/15/84	72.5	-20.5	4202
		10/17/84	72.5	-20.5	5001
		03/06/85	69.0	-17.0	
R SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR MU					
8-03.4 LOWER COSUMNES-ORY MA					
8-03.42 MERALO MSA					
06N/06E-23CC1 M	52.0	03/15/85	69.1	-17.1	4202
06N/06E-25Q01 M	60.0	10/17/84	97.3	-37.3	5001
		03/06/85	98.6(1)	-38.6	
06N/06E-28C02 M	40.0	03/22/85	46.9(4)	-6.9	5050
06N/06E-29K01 M	33.0	03/22/85	39.3	-6.3	5050
06N/06E-33J02 M	45.8	10/29/84	61.8	-16.0	5050
		11/27/84	61.1	-15.3	
		12/15/84	60.7	-14.9	
		01/25/85	60.3	-14.5	
		02/22/85	59.9	-14.1	
		03/25/85	59.6	-13.8	
		04/29/85	61.0	-15.2	
		05/28/85	63.0	-17.2	
		06/27/85	65.2	-19.4	
		07/26/85	66.2	-20.4	
		08/22/85	66.3	-20.5	
		09/24/85	65.1	-19.3	
06N/06E-33L01 M	35.6	10/04/84	54.4	-18.8	5050
		03/34/85	48.4	-12.8	
		09/18/85	57.4	-21.8	
06N/06E-33Q02 M	35.7	10/17/84	61.2	-25.5	5001
		03/06/85	52.4	-16.7	
06N/06E-34P01 M	46.0	10/17/84	76.6	-30.6	5001
		03/05/85	70.6	-24.6	
06N/07E-04J01 M	115.0	10/17/84	124.0	-9.0	5001
		03/07/85	117.6	-2.6	
06N/07E-08R01 M	105.0	03/22/85	123.7	-18.7	
06N/07E-11A02 M	116.0	10/12/84	133.9	-17.9	5001
		03/07/85	138.5	-22.5	
06N/07E-14A01 M	110.0	10/12/84	131.5	-21.5	5001
		03/07/85	126.0	-16.0	
06N/07E-15K01 M	107.0	10/18/84	138.6	-31.6	5001
		03/22/85	133.2	-26.2	
06N/07E-19A01 M	71.0	03/22/85	96.4	-25.4	5050
06N/07E-26E01 M	74.5	10/17/84	112.2	-37.7	5001
		10/28/84	111.7	-6.7	5050
		11/27/84	106.2	-3.2	
		12/18/84	107.1	-2.1	
		01/25/85	104.9	.1	
		02/26/85	103.2	1.8	
		03/06/85	101.4	-26.9	
		03/25/85	102.4	2.6	
		04/29/85	103.7	1.3	
		05/28/85	110.0	-5.0	
		06/25/85	114.6	-9.6	
		07/26/85	118.2	-13.2	
		08/22/85	118.1	-13.1	
		09/24/85	119.2	-10.2	
06N/07E-32P01 M	69.0	03/22/85	99.3	-30.3	5050
06N/07E-34N01 M	86.0	03/11/85	111.0	-25.0	5050
06N/08E-15J01 M	214.0	10/16/84	136.3	77.7	5108
06N/08E-21P03 M	160.0	03/11/85	151.7	8.3	5050
06N/08E-30B01 M	134.3	03/11/85	142.8	-8.5	5050
06N/08E-31E02 M	193.0	10/12/84	199.8	-6.8	5050
		03/11/85	196.8	-3.8	
06N/08E-34E01 M	256.0	10/12/84	205.5	50.5	5050
		03/11/85	204.7	51.3	
07N/06E-23P01 M	77.0	10/29/84	89.0	-12.0	5050
		11/27/84	87.9	-10.9	
		12/15/84	87.4	-10.4	
		01/25/85	86.7	-9.7	
		02/26/85	86.2	-9.2	
		03/25/85	86.1	-9.1	
		04/29/85	86.7	-9.7	
		05/28/85	89.4	-12.4	
		06/25/85	91.7	-14.7	
		07/26/85	94.8	-17.8	
		08/22/85	99.2	-16.2	
		09/24/85	93.0	-16.0	
07N/06E-25B01 M	84.0	10/10/54	82.8	1.2	5001
		03/36/85	78.0	6.0	
07N/06E-26Q01 M	70.0	01/21/85	59.5	10.5	5108
07N/06E-36P02 M	75.0	10/17/54	64.5	10.5	5001
		03/06/85	64.7	10.3	
07N/07E-02C01 M	102.5	10/12/54	47.2	55.3	5001
		03/07/85	43.0	59.5	
07N/07E-03R01 M	100.0	10/16/34	48.6	51.4	5001
		03/07/85	46.9	53.1	
07N/07E-04J01 M	133.5	10/12/84	91.1	42.4	5001
		03/07/85	87.9	45.6	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
8 SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR HU					
8-03.4 LOWER COSUMNES-DRY MA					
8-03.42 MERALD MSA					
07N/07E-04P01 M	174.1	10/12/84	139.5	34.6	5001
		03/07/85	133.0	39.1	
07N/07E-07M02 M	100.5	10/17/84	96.4	4.1	5001
		03/07/85	89.8	10.7	
07N/07E-10K01 M		10/16/84	NM-9		5001
		03/07/85	NM-9		
07N/07E-17G02 M	101.5	10/17/84	88.2	13.3	5001
		03/07/85	79.0	22.5	
07N/07E-20C01 M	81.0	10/17/84	82.5	18.5	5001
		03/07/85	NM-9		
07N/07E-21E01 M	85.0	10/17/84	87.1	17.9	5001
		03/07/85	NM-9		
07N/07E-22E01 M	109.8	10/18/84	97.4	12.2	5001
		03/07/85	92.3	17.3	
07N/07E-24F01 M	123.0	10/12/84	102.5	22.5	5001
		03/07/85	99.7	23.3	
07N/07E-27B01 M	107.0	10/12/84	105.3	1.7	5001
		03/07/85	99.5	7.5	
07N/07E-27P01 M	100.0	10/12/84	100.0	.0	5001
		03/07/85	93.9	6.1	
07N/07E-29A01 M	97.0	10/12/84	87.4	9.6	5001
		03/07/85	80.7	18.3	
07N/07E-31F01 M	85.1	10/12/84	83.2	1.9	5001
		03/06/85	78.3	6.8	
07N/07E-32A02 M	81.0	10/13/84	87.8	-8.8	4202
		03/15/85	78.5	2.5	
07N/07E-34D01 M	97.4	10/12/84	98.7	-1.3	5001
		03/07/85	92.7	4.7	
07N/07E-35G01 M	170.0	10/12/84	165.6	4.4	5001
		03/07/85	159.8	.2	
07N/08E-02L01 M	198.0	10/18/84	10.3	187.7	5108
		03/25/85	7.3	190.7	
07N/08E-06N01 M	117.5	10/12/84	33.3	84.2	5001
		03/07/85	NM-9		
07N/08E-13A01 M	260.0	10/16/84	32.4	227.6	5108
		03/25/85	14.6	245.4	
07N/08E-18F01 M	140.0	03/11/85	97.8	42.2	5050
07N/08E-36B01 M	183.0	10/16/84	6.0	177.0	5108
		03/25/85	4.0	181.0	
8-03.8 LOWER MOKELUMNE MA					
02N/06E-01A01 M	37.6	10/15/84	56.8	-19.2	5050
		03/12/85	54.0	-16.4	
02N/06E-01A13 M	37.7	10/05/84	57.1	-19.4	8201
		11/07/84	56.1	-18.4	
		12/03/84	55.2	-17.5	
		01/10/85	54.6	-16.9	
		02/14/85	54.2	-16.5	
		03/05/85	53.9	-16.2	
		04/04/85	53.8	-16.1	
		05/08/85	54.7	-17.0	
		06/06/85	55.9	-18.2	
		07/10/85	56.9	-19.2	
		08/06/85	58.5	-20.8	
		09/11/85	58.3	-20.6	
02N/06E-03D03 M	22.0	10/18/84	54.0(8)	-32.0	5110
		03/13/85	50.0(8)	-28.0	
02N/06E-05R11 M	19.1	10/02/84	40.6	-25.5	8201
		01/03/85	35.5	-18.4	
02N/06E-08A02 M	13.0	10/15/84	42.2	-29.2	5050
		03/12/85	35.4	-22.4	
02N/06E-11F12 M	26.5	10/02/84	56.3	-29.8	8201
		11/07/84	55.0	-28.5	
		12/05/84	53.7	-27.2	
		01/03/85	52.5	-26.0	
		02/14/85	50.1	-23.6	
		03/05/85	49.1	-22.6	
		04/04/85	48.8	-22.3	
		05/08/85	51.5	-25.0	
		06/06/85	54.1	-27.6	
		07/03/85	56.7	-30.2	
		08/06/85	58.4	-31.9	
		09/11/85	57.4	-30.9	
02N/06E-11L01 M	24.0	10/29/84	57.1	-33.1	5050
		11/29/84	55.2	-31.2	
		12/28/84	54.1	-30.1	
		01/24/85	52.9	-28.9	
		02/22/85	51.5	-27.5	
		03/25/85	50.7	-26.7	
		04/23/85	52.3	-28.3	
		05/24/85	54.6	-30.6	
		06/24/85	57.6	-33.6	
		07/25/85	59.9	-35.9	

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
8 SAN JOAQUIN MA					
8-03 NORTH VALLEY FLOOR HU					
8-03.8 LOWER MOKELUMNE MA					
02N/06E-11L01 M	24.0	08/23/85	60.7	-36.7	5050
		09/23/85	58.7	-34.7	
02N/06E-12M01 M	31.8	10/15/84	54.8	-23.0	5050
		03/12/85	51.7	-19.9	
02N/06E-12J11 M		10/09/84	DRY		8201
		01/11/85	DRY		
02N/06E-13C14 M	29.2	10/09/84	50.8	-21.6	8201
		01/11/85	53.3	-24.1	
02N/06E-13K12 M	33.2	10/09/84	49.1	-16.9	8201
		01/11/85	49.8	-19.6	
02N/06E-13M01 M	26.7	10/22/84	53.3(6)	-26.6	5110
		03/25/85	49.5(6)	-22.8	
02N/06E-13F02 M	30.0	10/22/84	55.0(8)	-25.0	5110
		03/25/85	51.0(8)	-21.0	
02N/06E-15F01 M	18.0	10/15/84	59.5	-41.5	5050
		03/12/85	47.6	-29.6	
02N/06E-22D01 M	17.2	10/15/84	50.7	-33.5	5050
		03/12/85	42.9	-25.7	
02N/06E-24M12 M	26.6	10/09/84	46.5	-19.9	8201
		01/11/85	45.9	-19.3	
02N/06E-24J02 M	30.1	10/22/84	58.4(8)	-28.3	5110
		03/25/85	53.4(8)	-23.3	
02N/06E-24J03 M	25.8	10/15/84	46.5	-19.7	5050
		03/12/85	43.6	-16.8	
02N/06E-26M01 M	22.8	10/19/84	34.8	-12.0	5110
		03/25/85	51.8	-29.0	
02N/07E-02A12 M	65.4	10/10/84	89.7	-23.3	8201
		01/14/85	87.7	-21.3	
02N/07E-04M12 M	52.7	10/09/84	77.0	-24.3	8201
		01/11/85	71.5	-18.8	
02N/07E-07R03 M	37.0	10/24/84	60.3	-23.3	5110
		03/25/85	59.5	-22.5	
02N/07E-08D01 M	42.0	10/22/84	76.2(8)	-34.2	5110
		03/25/85	74.2(8)	-32.2	
02N/07E-08K03 M	44.5	10/22/84	84.0(8)	-39.5	5110
		03/25/85	76.5(8)	-32.0	
02N/07E-08N01 M	40.0	10/09/84	69.4	-29.4	8201
		01/11/85	63.0	-23.0	
02N/07E-08R02 M	46.0	10/15/84	74.2	-28.2	5050
		03/12/85	68.5	-22.5	
02N/07E-09B02 M	54.0	10/22/84	95.4	-41.4	5110
		03/25/85	NM-9		
02N/07E-09B11 M	53.8	10/09/84	82.2	-28.4	8201
		01/11/85	72.2	-18.4	
02N/07E-18E01 M	33.3	10/15/84	51.9	-18.6	5050
		03/12/85	51.0	-17.7	
02N/07E-18K01 M	36.5	10/24/84	65.0(8)	-28.5	5110
		03/25/85	61.0(8)	-24.5	
03N/05E-13A01 M	18.8	10/23/84	17.0	1.8	8201
		01/05/85	18.2	.6	
03N/05E-13L01 M	12.0	10/19/84	11.0(8)	1.0	5110
		03/13/85	13.0(8)	-1.0	
03N/05E-24A12 M	14.0	10/03/84	27.7	-13.7	8201
		01/09/85	18.3	-4.3	
03N/06E-01D10 M	51.6	10/02/84	33.0	18.6	8201
		01/03/85	33.6	19.0	
03N/06E-01C11 M	51.6	10/02/84	30.9	20.7	8201
		01/03/85	32.1	19.5	
03N/06E-01N02 M	46.8	10/02/84	41.4	5.4	8201
		11/07/84	40.2	6.6	
		12/04/84	40.1	6.7	
		01/03/85	40.4	6.4	
		02/11/85	40.6	6.2	
		03/04/85	40.5	6.3	
		04/04/85	40.1	6.7	
		05/09/85	40.2	6.6	
		06/05/85	40.6	6.2	
		07/09/85	41.7	5.1	
		08/05/85	42.5	4.3	
		09/10/85	43.3	3.5	
03N/06E-01R13 M	53.1	10/02/84	43.0	10.1	8201
		11/07/84	42.2	10.9	
		12/04/84	42.0	11.1	
		01/03/85	41.9	11.2	
		02/11/85	41.9	11.2	
		03/04/85	43.9	9.2	
		04/04/85	43.8	9.3	
		05/06/85	42.9	10.2	
		06/05/85	45.2	7.9	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER		GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
A	SAN JOAQUIN MB					
B-03	NORTH VALLEY FLOOR HU					
B-03.8	LOWER MOKELUMNE HA					
03N/06E-01B13	M	93.1	07/08/85	45.3	7.8	8201
			08/05/85	46.4	6.7	
			09/06/85	46.4	6.7	
03N/06E-03A12	M	50.3	10/02/84	33.1	17.2	8201
			11/07/84	42.2	8.1	
			12/04/84	33.5	16.8	
			01/04/85	43.8	6.5	
			02/11/85	35.9	14.4	
			03/04/85	44.4	5.9	
			04/04/85	42.5	7.8	
			05/09/85	43.7	6.6	
			06/05/85	44.2	6.1	
			07/08/85	45.8	4.5	
			08/05/85	45.2	4.1	
			09/10/85	43.5	6.8	
03N/06E-03L13	M	40.5	10/02/84	34.6	5.9	8201
			11/07/84	33.2	7.3	
			12/04/84	33.3	7.2	
			01/04/85	35.0	5.5	
			02/11/85	33.4	7.1	
			03/04/85	33.7	6.8	
			04/04/85	34.0	6.5	
			05/09/85	34.4	6.1	
			06/05/85	37.2	3.3	
			07/09/85	39.0	1.5	
			08/05/85	39.6	.9	
			09/10/85	38.9	1.6	
03N/06E-04C01	M	35.0	03/13/85	23.9	11.1	5050
03N/06E-04P12	M	36.2	10/02/84	39.0	-2.8	8201
			01/08/85	32.0	4.2	
03N/06E-05C12	M	28.5	10/02/84	12.4	16.1	8201
			01/08/85	14.1	14.4	
03N/06E-06D12	M	23.1	10/02/84	11.1	12.0	8201
			11/07/84	11.5	11.6	
			12/04/84	11.3	11.8	
			01/08/85	11.3	11.8	
			02/11/85	11.5	11.6	
			03/04/85	11.5	11.6	
			04/04/85	11.5	11.6	
			05/09/85	11.2	11.9	
			06/05/85	11.0	12.1	
			07/03/85	13.5	9.6	
			08/05/85	14.0	9.1	
			09/10/85	12.1	11.0	
03N/06E-07D13	M	21.0	10/03/84	15.3	5.7	8201
			01/08/85	15.0	6.0	
03N/06E-07M03	M	23.4	10/18/84	27.4(4)	-4.0	5110
			03/13/85	23.4(4)	.0	
03N/06E-09F06	M	32.0	10/18/84	34.0	-2.0	5110
			03/13/85	32.0	.0	
03N/06E-09N11	M	27.6	10/02/84	36.0	-8.4	8201
			01/09/85	32.6	-5.0	
03N/06E-12D32	M	49.1	10/02/84	40.9	8.2	8201
			11/07/84	43.1	6.0	
			12/04/84	44.2	4.9	
			01/03/85	45.1	4.0	
			02/11/85	46.1	3.0	
			03/04/85	46.2	2.9	
			04/04/85	46.7	2.4	
			05/06/85	43.6	5.5	
			06/05/85	44.1	5.0	
			07/08/85	45.8	3.3	
			08/05/85	46.6	2.5	
			09/06/85	51.4	-2.3	
03N/06E-13R08	M	45.6	10/15/84	54.8	-9.2	5050
			03/11/85	50.9	-5.3	
03N/06E-14M12	M	33.7	10/02/84	45.6	-11.9	8201
			01/03/85	42.7	-9.0	
03N/06E-15B12	M	33.3	10/02/84	44.1	-10.8	8201
			01/04/85	40.5	-7.2	
03N/06E-17D11	M	23.8	10/02/84	30.9	-7.1	8201
			11/07/84	29.6	-5.8	
			12/04/84	28.8	-5.0	
			01/08/85	30.9	-7.1	
			02/11/85	27.4	-3.6	
			03/04/85	27.0	-3.2	
			04/04/85	26.5	-2.7	
			05/09/85	27.3	-3.5	
			06/05/85	NM-1		
			07/09/85	33.5	-9.7	
			08/05/85	37.9	-14.1	
			09/10/85	34.5	-10.7	
03N/06E-20C13	M	18.6	10/03/84	34.8	-16.2	8201
			01/08/85	28.5	-9.9	
03N/06E-20D01	M		10/19/84	NM-3		5110
		18.0	04/03/85	34.0	-16.0	
03N/06E-21B11	M	24.8	10/02/84	41.2	-16.4	8201
			01/04/85	36.5	-11.7	
03N/06E-22D01	M	27.0	10/19/84	48.0(4)	-21.0	5110
			03/13/85	42.0(4)	-15.0	
A	SAN JOAQUIN MB					
B-03	NORTH VALLEY FLOOR HU					
B-03.8	LOWER MOKELUMNE HA					
03N/06E-22D12	M	29.6	10/02/84	45.2	-15.6	8201
			01/04/85	41.4	-11.8	
03N/06E-23A13	M	38.8	10/02/84	51.0	-12.2	8201
			01/03/85	48.8	-10.0	
03N/06E-24M03	M	39.0	03/15/85	49.7	-10.7	5050
03N/06E-25C11	M	39.6	10/09/84	53.9	-14.3	8201
			01/10/85	50.3	-10.7	
03N/06E-25H15	M	41.1	10/05/84	58.7	-17.6	8201
			11/07/84	56.0	-14.9	
			12/05/84	55.5	-14.4	
			01/10/85	54.5	-13.4	
			02/14/85	53.2	-12.1	
			03/05/85	56.2	-15.1	
			04/04/85	55.8	-14.7	
			05/09/85	NM-1		
			06/06/85	57.9	-16.8	
			07/10/85	NM-1		
			08/06/85	NM-1		
			09/11/85	60.7	-19.6	
03N/06E-25R05	M	39.6	10/15/84	58.8	-19.2	5050
			03/12/85	54.3	-14.7	
03N/06E-26M11	M	29.4	10/02/84	42.5	-13.1	8201
			01/04/85	41.8	-12.4	
03N/06E-26P02	M	32.4	10/18/84	45.1	-12.7	5110
			03/13/85	44.1	-11.7	
03N/06E-27E01	M	25.3	04/03/85	39.5	-14.2	9110
03N/06E-27L11	M	27.2	10/02/84	42.7	-15.5	8201
			01/04/85	41.1	-13.9	
03N/06E-28B12	M	24.1	10/02/84	43.7	-19.6	8201
			01/34/85	38.7	-14.6	
03N/06E-29C01	M	17.2	10/19/84	55.5	-38.3	5110
			03/13/85	53.5	-36.3	
03N/06E-30R01	M	12.0	10/19/84	35.0(8)	-23.0	5110
			03/13/85	26.0(8)	-14.0	
03N/06E-32J13	M	18.8	10/02/84	41.0	-22.2	8201
			01/03/55	35.4	-16.6	
03N/06E-32R01	M	15.0	10/19/84	40.0(8)	-25.0	5110
			03/13/85	NM-9		
03N/06E-34E13	M	23.2	10/02/84	40.6	-17.4	8201
			01/34/85	39.0	-15.8	
03N/06E-35P02	M	29.4	10/15/84	46.2	-17.8	5050
			03/12/55	44.4	-16.0	
03N/06E-35R13	M	32.2	10/32/84	50.0	-17.8	8201
			01/03/85	48.3	-16.1	
03N/07E-02C02	M	84.6	10/17/54	59.7	24.9	8201
			11/06/54	59.1	25.5	
			12/34/84	59.0	25.6	
			01/17/55	59.0	25.6	
			02/13/85	59.2	25.4	
			03/35/85	59.2	25.4	
			04/04/85	59.4	25.2	
			05/39/85	60.4	24.2	
			06/05/85	60.9	23.7	
			07/10/85	62.6	22.0	
			08/36/85	62.9	21.7	
			09/10/85	62.9	21.7	
03N/07E-02G03	M	84.0	10/18/54	86.2	-2.2	5050
			03/21/85	80.3	3.7	
03N/07E-02Q01	M	82.1	10/17/54	89.9	-7.8	8201
			01/17/55	85.1	-3.0	
03N/07E-03A11	M	81.7	10/11/54	53.2	28.5	8201
			01/15/55	51.9	29.8	
03N/07E-03R01	M	74.8	10/18/84	93.6(8)	-18.8	5110
			03/13/85	74.6(8)	.2	
03N/07E-04D01	M		10/10/54	NM-9		8201
			01/14/85	NM-9		
03N/07E-05D12	M	62.7	10/10/84	34.9	27.8	8201
			01/14/55	29.6	33.1	
03N/07E-06M11	M	54.7	10/04/84	37.7	17.0	8201
			01/10/55	37.4	17.3	
03N/07E-06Q04	M	57.0	10/18/54	51.0	6.0	5110
			03/13/55	46.0	11.0	
03N/07E-08B12	M	63.4	10/39/54	57.6	5.8	8201
			11/38/94	57.4	6.0	
			12/05/54	58.1	5.3	
			01/14/85	54.1	9.3	
			02/14/55	53.7	9.7	
			03/25/85	57.0	6.4	
			04/24/55	56.0	7.4	
			05/39/85	67.5	-4.1	
			06/25/55	NM-1		
			07/10/55	80.0	-18.6	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

8 SAN JOAQUIN MB
8-03 NORTH VALLEY FLOOR HU
8-03.8 LOWER MOKELUMNE HA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
03N/07E-08B12 M		08/06/85	MM-1		8201
	63.4	09/11/85	67.9	-4.5	
03N/07E-08E02 M	60.0	10/18/84	69.5	-9.5	5110
		03/12/85	66.5	-6.5	
03N/07E-09C01 M	68.3	10/18/84	84.0	-15.7	5110
		03/13/85	72.0	-3.7	
03N/07E-09C03 M	69.6	10/10/84	69.4	.2	8201
		01/14/85	65.4	4.2	
03N/07E-09F01 M	64.3	10/10/84	69.7	-5.4	8201
		01/14/85	65.1	-.8	
03N/07E-10L04 M	72.8	10/11/84	78.9	-6.1	8201
		11/08/84	77.2	-4.4	
		12/05/84	75.9	-3.1	
		01/15/85	74.6	-1.8	
		02/14/85	72.9	-.1	
		03/05/85	74.5	-1.7	
		04/04/85	74.1	-1.3	
		05/09/85	MM-1		
		06/05/85	MM-1		
		07/10/85	87.8	-15.0	
		08/06/85	MM-1		
		09/11/85	82.9	-10.1	
03N/07E-12P01 M	77.0	03/20/85	87.6	-10.6	5050
03N/07E-13A11 M	82.3	10/17/84	102.1	-19.8	8201
		01/17/85	94.5	-12.2	
03N/07E-14B01 M	79.9	10/17/84	89.4	-13.5	8201
		01/17/85	82.5	-8.6	
03N/07E-14M11 M	75.3	10/10/84	92.6	-17.3	8201
		01/14/85	87.9	-12.6	
03N/07E-14Q11 M	70.2	10/11/84	87.7	-17.5	8201
		11/07/84	94.9	-24.7	
		12/05/84	83.0	-12.8	
		01/14/85	82.0	-11.8	
		02/14/85	80.7	-10.5	
		03/05/85	96.8	-26.6	
		04/04/85	94.9	-24.7	
		05/08/85	96.1	-25.9	
		06/06/85	86.5	-16.3	
		07/10/85	90.0	-19.8	
		08/06/85	96.2	-26.0	
		09/11/85	94.9	-24.7	
03N/07E-17A31 M	60.1	10/09/84	65.1	-5.0	8201
		01/14/85	59.7	.4	
03N/07E-17D11 M	57.2	10/09/84	59.2	-2.0	8201
		01/14/85	54.8	2.4	
03N/07E-17K02 M	57.0	10/18/84	73.5(8)	-16.5	5110
		03/13/85	62.5(8)	-5.5	
03N/07E-18D12 M	50.0	10/18/84	55.6	-5.6	5110
		03/13/85	52.1	-2.1	
03N/07E-18G02 M	53.8	10/09/84	57.2	-3.4	8201
		01/14/85	56.4	-2.6	
03N/07E-18M11 M	48.0	10/05/84	59.1	-11.1	8201
		11/07/84	54.5	-6.5	
		12/04/84	53.6	-5.6	
		01/10/85	52.6	-4.6	
		02/14/85	52.1	-4.1	
		03/05/85	52.2	-4.2	
		04/04/85	53.6	-5.6	
		05/09/85	59.5	-11.5	
		06/06/85	MM-1		
		07/10/85	68.7	-20.7	
		08/06/85	70.3	-22.3	
		09/11/85	64.4	-16.4	
03N/07E-19N02 M	42.0	10/15/84	58.8	-16.8	5050
		03/12/85	53.3	-11.3	
03N/07E-19Q12 M	45.4	10/09/84	64.0	-18.6	8201
		01/11/85	56.4	-11.0	
03N/07E-20C11 M	54.2	10/09/84	67.8	-13.6	8201
		01/11/85	60.6	-6.4	
03N/07E-20P02 M		10/18/84	MM-5		5110
		03/19/85	MM-5		
03N/07E-22C11 M	66.4	10/11/84	82.4	-16.0	8201
		11/07/84	79.7	-13.3	
		12/05/84	78.7	-12.3	
		01/15/85	77.1	-10.7	
		02/14/85	76.2	-9.8	
		03/05/85	75.9	-9.5	
		04/04/85	74.8	-8.4	
		05/09/85	88.2	-21.8	
		06/05/85	79.5	-13.1	
		07/10/85	86.9	-20.5	
		08/06/85	87.3	-20.9	
		09/11/85	84.7	-18.3	
03N/07E-23B11 M	70.4	10/10/84	95.7	-25.3	8201
		11/07/84	87.9	-17.5	
		12/05/84	87.2	-16.8	
		01/14/85	87.9	-17.1	

8 SAN JOAQUIN MB
8-03 NORTH VALLEY FLOOR HU
8-03.8 LOWER MOKELUMNE HA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
03N/07E-23B11 M	70.4	02/14/85	84.9	-14.5	8201
		03/05/85	90.6	-20.2	
		04/04/85	83.0	-12.6	
		05/08/85	87.5	-17.1	
		06/06/85	88.8	-18.4	
		07/10/85	87.4	-17.0	
		08/06/85	89.1	-18.7	
		09/11/85	90.0	-19.6	
03N/07E-23C02 M	72.0	10/18/84	88.0	-16.0	5110
		03/13/85	77.0	-5.0	
03N/07E-23F11 M	68.0	10/11/84	87.2	-19.2	8201
		01/14/85	82.3	-14.3	
03N/07E-23K11 M	67.0	10/11/84	90.3	-23.3	8201
		11/07/84	85.1	-18.1	
		12/05/84	84.0	-17.0	
		01/15/85	82.7	-15.7	
		02/14/85	MM-1		
		03/05/85	83.0	-16.0	
		04/04/85	82.7	-15.7	
		05/08/85	82.9	-15.9	
		06/06/85	84.6	-17.6	
		07/10/85	88.1	-21.1	
		08/06/85	90.0	-23.0	
		09/11/85	91.1	-24.1	
03N/07E-25C01 M	70.1	10/22/84	107.8(3)	-37.7	5110
		03/25/85	104.8(3)	-34.7	
03N/07E-25F11 M	71.7	10/10/84	95.5	-23.8	8201
		01/14/85	88.2	-16.5	
03N/07E-25G01 M	75.7	10/22/84	106.0(6)	-30.3	5110
		03/15/85	102.0(6)	-26.3	
03N/07E-26D11 M	66.9	10/11/84	92.0	-25.1	8201
		01/15/85	91.7	-24.8	
03N/07E-26G12 M	65.9	10/10/84	86.8	-20.9	8201
		11/07/84	83.6	-17.9	
		12/05/84	82.7	-16.8	
		01/14/85	80.6	-14.7	
		02/14/85	81.4	-15.5	
		03/05/85	83.3	-17.4	
		04/04/85	MM-1		
		05/08/85	83.0	-17.1	
		06/06/85	84.5	-18.6	
		07/10/85	MM-1		
		08/06/85	89.6	-23.7	
		09/11/85	89.8	-23.9	
03N/07E-27F13 M	61.1	10/10/84	82.5	-21.4	8201
		11/07/84	80.1	-19.0	
		12/05/84	78.9	-17.8	
		01/14/85	77.6	-16.5	
		02/14/85	76.8	-15.7	
		03/05/85	76.1	-15.0	
		04/04/85	75.2	-14.1	
		05/08/85	78.0	-16.9	
		06/06/85	89.5	-28.4	
		07/10/85	95.3	-32.2	
		08/06/85	MM-1		
		09/11/85	85.3	-24.2	
03N/07E-28K11 M	56.2	10/09/84	79.3	-23.1	8201
		11/07/84	77.4	-21.2	
		12/05/84	76.3	-20.1	
		01/11/85	74.6	-18.4	
		02/14/85	MM-1		
		03/05/85	72.6	-16.4	
		04/04/85	72.5	-16.3	
		05/08/85	72.4	-16.2	
		06/06/85	73.9	-17.7	
		07/10/85	76.9	-20.7	
		08/06/85	78.6	-22.4	
		09/11/85	79.8	-23.6	
03N/07E-29L11 M	49.4	10/09/84	72.2	-22.8	8201
		01/11/85	64.9	-15.5	
03N/07E-29P01 M	47.5	10/09/84	76.0	-28.5	8201
		01/11/85	68.4	-20.9	
03N/07E-30D12 M	42.5	10/05/84	59.6	-17.1	8201
		01/10/85	54.0	-11.5	
03N/07E-31B01 M	41.0	10/18/84	68.5	-27.5	5110
		03/13/85	57.5	-16.5	
03N/07E-32D12 M	49.0	10/09/84	70.7	-21.7	8201
		01/11/85	65.2	-16.2	
03N/07E-33E11 M	51.3	10/09/84	77.9	-26.6	8201
		01/11/85	70.4	-19.1	
03N/07E-34J11 M	60.5	10/10/84	88.5	-28.0	8201
		01/14/85	77.5	-17.0	
03N/07E-35C02 M	61.2	10/22/84	120.0(6)	-58.8	5110
		03/15/85	MM-9		
03N/07E-35L01 M	64.0	10/24/84	99.5(8)	-35.5	5110
		03/15/85	90.5(8)	-26.5	
03N/07E-36K02 M		10/28/84	MM-3		5110
		03/28/85	MM-3		

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
8 SAN JOAQUIN MB 8-03 NORTH VALLEY FLOOR HU 8-03.8 LOWER MOKELUMNE HA					
03N/06E-03R01 M		10/22/84	MM-9		5110
		03/28/85	MM-9		
03N/08E-04Q01 M	120.6	10/17/84	119.3	-14.7	8201
		01/17/85	131.9	-11.3	
03N/08E-05Q11 M	103.2	10/17/84	117.0	-11.8	8201
		01/17/85	112.0	-6.8	
03N/08E-05K11 M	107.5	10/17/84	128.2	-20.7	8201
		01/17/85	120.2	-12.7	
03N/08E-06E01 M	96.0	10/17/84	66.6	29.4	8201
		01/17/85	64.6	31.4	
03N/08E-07Q02 M	86.0	03/20/85	97.2	-11.2	5050
03N/08E-08E01 M	95.8	10/22/84	122.3(3)	-26.5	5110
		03/25/85	109.3(3)	-13.5	
03N/08E-09Q11 M	126.3	10/17/84	146.7	-20.4	8201
		01/17/85	144.1	-17.8	
03N/08E-11M11 M	140.4	10/17/84	154.8	-14.4	8201
		01/17/85	160.8	-20.4	
03N/08E-11N02 M	156.0	03/21/85	156.6	-.6	5050
03N/08E-12P11 M	181.7	10/17/84	188.7	-7.0	8201
		01/17/85	188.0	-6.3	
03N/08E-17R01 M	95.9	10/17/84	118.2	-22.3	8201
		01/17/85	112.9	-17.0	
03N/08E-17Q11 M	96.6	10/10/84	122.3	-25.7	8201
		01/14/85	115.2	-18.6	
03N/08E-19C01 M		10/23/84	MM-3		5110
	84.5	04/11/85	104.3	-19.8	
03N/08E-19M12 M	75.6	10/10/84	100.3	-24.5	8201
		01/14/85	94.4	-18.6	
03N/08E-20K01 M		10/10/84	DRY		8201
		01/14/85	DRY		
03N/08E-22A01 M		10/22/84	MM-1		5110
		03/25/85	MM-9		
03N/08E-26Q01 M	130.0	10/29/84	149.7	-19.7	5050
		11/29/84	148.0	-18.0	
		12/26/84	147.5	-17.5	
		01/23/85	145.6	-15.6	
		02/26/85	146.1	-16.1	
		03/25/85	144.1	-14.1	
		04/25/85	146.2	-16.2	
		05/24/85	151.2	-21.2	
		06/24/85	147.7	-17.7	
03N/08E-27R01 M	126.4	10/22/84	135.3(6)	-8.9	5110
		03/25/85	126.8(6)	-.4	
03N/08E-29K11 M		10/10/84	DRY		8201
		01/14/85	DRY		
03N/08E-30H01 M		10/23/84	MM-8		5110
03N/08E-31E11 M	76.5	10/10/84	38.2	38.3	8201
		01/14/85	46.3	30.2	
03N/09E-05Q01 M		10/15/84	MM-3		5110
04N/05E-13C12 M	17.7	10/03/84	13.3	4.4	8201
		01/08/85	11.9	5.8	
04N/05E-13H01 M	19.6	10/18/84	15.1(6)	4.5	5110
		03/14/85	11.6(6)	8.0	
04N/05E-24A14 M	21.5	10/03/84	15.1	6.4	8201
		01/08/85	13.2	8.3	
04N/05E-26K02 M	13.0	10/18/84	9.0	4.0	5110
		03/14/85	7.0	6.0	
04N/05E-26Q11 M	14.8	10/03/84	10.1	4.7	8201
		01/08/85	8.1	6.7	
04N/05E-36C01 M	18.2	10/03/84	10.7	7.5	8201
		01/08/85	10.0	8.2	
04N/05E-36H03 M	21.0	10/18/84	11.0	10.0	5110
		03/14/85	9.5	11.5	
04N/06E-02R11 M	52.3	10/04/84	67.1	-14.8	8201
		01/10/85	62.2	-9.9	
04N/06E-03A12 M	48.3	10/04/84	57.4	-9.1	8201
		01/09/85	58.9	-10.6	
04N/06E-04R11 M	32.2	10/04/84	54.0	-21.8	8201
		01/10/85	35.0	-2.8	
04N/06E-05H11 M		10/04/84	MM-9		8201
		01/10/85	MM-9		
04N/06E-05Q01 M	30.0	03/22/85	28.6	1.4	5050
04N/06E-05R11 M	34.0	10/04/84	42.1	-8.1	8201
		01/10/85	35.0	-1.0	
8 SAN JOAQUIN MB 8-03 NORTH VALLEY FLOOR HU 8-03.8 LOWER MOKELUMNE HA					
04N/06E-11B01 M	47.0	10/10/84	63.1	-16.1	5001
		03/24/85	54.7	-7.7	
04N/06E-12C04 M	55.0	10/18/84	71.0(4)	-16.0	5110
		03/14/85	66.5	-11.5	
04N/06E-12D11 M	52.5	10/04/84	66.0	-13.5	8201
		01/10/85	63.9	-11.4	
04N/06E-12N02 M	52.0	10/18/84	59.8	-7.8	5110
		03/14/85	55.8	-3.8	
04N/06E-12R11 M	58.0	10/04/84	73.6	-15.6	8201
		11/07/84	72.1	-14.1	
		12/04/84	71.3	-13.3	
		01/10/85	69.0	-11.0	
		02/11/85	67.6	-9.6	
		03/05/85	66.6	-8.6	
		04/04/85	65.5	-7.5	
		05/09/85	65.8	-7.8	
		06/05/85	MM-1		
		07/09/85	72.2	-14.2	
		08/06/85	74.2	-16.2	
		09/06/85	77.2	-19.2	
04N/06E-13F01 M	53.4	10/04/84	62.1	-8.7	8201
		01/10/85	58.4	-5.0	
04N/06E-13G01 M		10/18/84	MM-4		5110
		03/14/85	MM-4		
04N/06E-14M11 M	43.7	10/04/84	42.7	1.0	8201
		01/09/85	46.7	-3.0	
04N/06E-15B02 M	40.0	10/18/84	39.7	.3	5110
		03/14/85	35.7	4.3	
04N/06E-16A11 M	37.1	10/04/84	35.0	2.1	8201
		01/09/85	32.3	4.8	
04N/06E-16C11 M	31.4	10/04/84	25.0	6.4	8201
		01/09/85	23.3	8.1	
04N/06E-16K11 M	35.4	10/04/84	26.3	9.1	8201
		01/09/85	25.6	9.8	
04N/06E-17A02 M	30.5	10/03/84	20.3	10.2	8201
		01/09/85	20.4	10.1	
04N/06E-17Q01 M		10/18/84	MM-6		5110
04N/06E-18E15 M	20.4	10/03/84	16.3	4.1	8201
		01/09/85	13.4	7.0	
04N/06E-18R12 M	26.8	10/03/84	22.7	4.1	8201
		01/09/85	14.3	12.5	
04N/06E-19F01 M	21.8	03/13/85	10.9	10.9	5050
04N/06E-19R12 M	25.4	10/02/84	11.6	13.8	8201
		11/07/84	12.4	13.0	
		12/04/84	12.8	12.6	
		01/09/85	13.0	12.4	
		02/11/85	14.3	11.1	
		03/04/85	12.8	12.6	
		04/04/85	12.0	13.4	
		05/09/85	10.8	14.6	
		06/05/85	MM-1		
		07/09/85	MM-1		
		08/05/85	15.3	10.1	
		09/10/85	13.8	11.6	
04N/06E-21A01 M	37.6	10/04/84	24.9	12.7	8201
		01/09/85	24.0	13.6	
04N/06E-21Q01 M	31.0	03/13/85	19.4	11.6	5050
04N/06E-21Q02 M	33.0	10/03/84	20.7	12.3	8201
		01/09/85	20.6	12.4	
04N/06E-22F02 M	38.4	10/04/84	29.6	8.8	8201
		01/09/85	28.1	10.3	
04N/06E-22M01 M	38.2	10/18/84	24.5	13.7	5110
		03/14/85	25.5	12.7	
04N/06E-23D12 M	45.3	10/04/84	39.4	5.9	8201
		01/09/85	52.6	-7.3	
04N/06E-23M01 M	45.2	10/02/84	37.4	7.8	8201
		11/07/84	36.8	8.4	
		12/04/84	35.3	9.9	
		01/09/85	34.2	11.0	
		02/11/85	33.8	11.4	
		03/04/85	33.7	11.5	
		04/04/85	33.7	11.5	
		05/09/85	36.0	9.2	
		06/05/85	38.2	7.0	
		07/09/85	DRY		
		08/05/85	41.4	3.8	
		09/10/85	DRY		
04N/06E-24D11 M	53.2	10/04/84	51.9	1.3	8201
		01/10/85	51.0	2.2	
04N/06E-24F01 M	55.0	10/18/84	47.0	8.0	5110
		03/14/85	50.0	5.0	
04N/06E-25B30 M	57.1	10/04/84	49.8	7.3	8201

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

4 SAN JOAQUIN MB
8-03 NORTH VALLEY FLOOR HU
8-03.8 LOWER MOKELUMNE HA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
04N/06E-25R30 M	57.1	01/10/85	47.7	9.4	8201
04N/06E-25R01 M	55.0	10/18/84	44.0	11.0	5110
		03/14/85	40.0	15.0	
04N/06E-26A01 M	51.1	10/03/84	41.1	10.0	8201
		01/09/85	39.0	12.1	
04N/06E-27B12 M	40.6	10/03/84	27.3	13.3	8201
		01/09/85	24.5	16.1	
04N/06E-27D02 M	34.5	10/16/84	10.0(8)	24.5	5110
		03/14/85	14.0(8)	20.5	
04N/06E-27D12 M	46.5	10/03/84	26.2	20.3	8201
		01/09/85	26.7	19.8	
04N/06E-28R12 M		10/03/84	NM-9		8201
		01/09/85	NM-9		
04N/06E-29A01 M		10/18/84	NM-9		5110
	33.0	03/14/85	20.7	12.3	
04N/06E-29N02 M	26.0	10/18/84	15.0(8)	11.0	5110
		03/14/85	15.0(8)	11.0	
04N/06E-31A01 M	30.7	10/03/84	16.0	14.7	8201
		01/09/85	16.0	14.7	
04N/06E-33B04 M	36.0	03/13/85	20.1	15.9	3050
04N/06E-33D13 M	34.4	10/03/84	12.7	21.7	8201
		01/09/85	14.1	20.3	
04N/06E-33E01 M	36.8	10/02/84	20.9	17.9	8201
		01/08/85	22.9	15.9	
04N/06E-35D11 M	48.5	10/03/84	24.5	24.0	8201
		01/09/85	27.6	20.9	
04N/06E-36D12 M	49.4	10/02/84	30.6	18.8	8201
		11/07/84	29.6	19.8	
		12/04/84	29.5	19.9	
		01/09/85	29.5	19.9	
		02/21/85	29.7	19.7	
		03/05/85	29.9	19.5	
		04/04/85	29.0	20.4	
		05/09/85	31.5	17.9	
		06/06/85	34.8	14.6	
		07/09/85	33.8	15.6	
		08/06/85	NM-1		
		09/10/85	33.9	15.5	
04N/07E-04B12 M	90.2	10/12/84	116.7	-26.5	8201
		01/16/85	105.7	-15.5	
04N/07E-04D12 M	83.4	10/12/84	106.7	-23.3	8201
		01/16/85	97.5	-14.1	
04N/07E-07A01 M	68.0	10/18/84	88.5	-20.5	5110
		03/14/85	80.0(8)	-12.0	
04N/07E-07M11 M	67.6	10/04/84	90.1	-22.5	8201
		01/10/85	81.6	-14.0	
04N/07E-09D13 M	77.4	10/12/84	100.3	-22.9	8201
		01/16/85	91.6	-14.2	
04N/07E-11D01 M	101.5	10/15/84	108.9	-7.4	8201
		01/16/85	110.2(3)	-8.7	
04N/07E-13D02 M	107.4	10/15/84	123.0	-15.6	8201
		01/16/85	121.2	-13.8	
04N/07E-13E11 M	114.3	10/15/84	125.5	-11.2	8201
		01/16/85	119.3	-5.0	
04N/07E-14E01 M	93.1	10/18/84	113.0	-19.9	5110
		03/12/85	111.0	-17.9	
04N/07E-14P11 M	94.8	10/15/84	108.8	-14.0	8201
		01/16/85	100.9	-6.1	
04N/07E-15B12 M	91.8	10/15/84	109.9	-18.1	8201
		11/08/84	106.0	-14.2	
		12/05/84	104.4	-12.6	
		01/15/85	100.6	-8.8	
		02/13/85	99.1	-7.3	
		03/04/85	99.8	-8.0	
		04/02/85	NM-1		
		05/07/85	103.5	-11.7	
		06/05/85	107.9	-16.1	
		07/11/85	NM-1		
		08/07/85	117.9	-26.1	
		09/10/85	113.1	-21.3	
04N/07E-15D02 M	87.9	10/15/84	87.9	.0	8201
		01/16/85	85.6	2.3	
04N/07E-16D01 M	78.9	10/12/84	93.2	-16.3	8201
		01/16/85	86.1	-9.2	
04N/07E-17J13 M	74.9	10/11/84	87.4	-12.5	8201
		01/16/85	78.9	-4.0	
04N/07E-17M01 M	67.0	10/14/84	81.3(8)	-14.3	5110
		03/14/85	76.8(8)	-9.8	
04N/07E-18M01 M	57.8	03/22/85	61.4	-3.6	3050

8 SAN JOAQUIN MB
8-03 NORTH VALLEY FLOOR HU
8-03.8 LOWER MOKELUMNE HA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
04N/07E-18P30 M	61.4	10/04/84	69.9	-8.5	8201
		01/10/85	63.7	-2.3	
04N/07E-19K01 M	62.4	10/18/84	65.0(8)	-2.6	5110
		03/14/85	59.0(8)	3.4	
04N/07E-19M11 M	66.7	10/11/84	69.6	-2.9	8201
		01/16/85	62.5	4.2	
04N/07E-20M03 A	75.0	03/22/85	72.0	3.0	3050
04N/07E-20R01 M		10/12/84	DRY		8201
		01/16/85	DRY		
04N/07E-21F01 M	78.2	10/18/84	82.0	-3.8	5110
		03/12/85	81.0	-2.8	
04N/07E-22D05 M	83.8	10/12/84	79.4	4.4	8201
		11/08/84	78.1	5.7	
		12/04/84	77.3	6.5	
		01/16/85	76.2	7.6	
		02/13/85	75.3	8.5	
		03/04/85	78.3	5.5	
		04/02/85	74.7	9.1	
		05/07/85	76.1	7.7	
		06/05/85	78.3	5.5	
		07/10/85	80.8	3.0	
		08/07/85	82.6	1.2	
		09/10/85	81.7	2.1	
04N/07E-23J12 M	95.2	10/15/84	103.6	-7.4	8201
		01/17/85	95.3	.9	
04N/07E-24P11 M	79.6	10/15/84	75.3	4.3	8201
		01/17/85	70.3	9.3	
04N/07E-25E13 M		10/15/84	DRY		8201
		01/17/85	DRY		
04N/07E-25G15 M	88.7	10/15/84	92.3	-3.6	8201
		11/08/84	NM-1		
		12/04/84	87.6	1.1	
		01/17/85	86.2	2.5	
		02/13/85	85.3	3.4	
		03/04/85	84.8	3.9	
		04/02/85	84.5	4.2	
		05/07/85	NM-9		
		06/05/85	NM-1		
		07/10/85	NM-1		
		08/07/85	98.6	-9.9	
		09/10/85	NM-1		
04N/07E-25R03 M	63.1	10/15/84	19.9	43.2	8201
04N/07E-26B11 M	93.7	10/15/84	90.8	2.9	8201
		01/16/85	84.5	9.2	
04N/07E-27F01 M	81.5	10/12/84	41.4	40.1	8201
		11/08/84	41.4	40.1	
		12/04/84	40.0	41.5	
		01/16/85	40.8	40.7	
		02/13/85	42.5	39.0	
		03/04/85	42.8	38.7	
		04/02/85	43.7	37.8	
		05/07/85	43.5	38.0	
		06/05/85	43.3	38.0	
		07/11/85	43.7	37.6	
		08/07/85	43.3	38.2	
		09/10/85	44.2	37.3	
04N/07E-28J02 M	74.8	10/18/84	67.5(8)	7.3	5110
		03/12/85	65.5(8)	9.3	
04N/07E-28P11 M	72.0	10/11/84	53.0	19.0	8201
		01/16/85	49.8	22.2	
04N/07E-29M01 M	70.6	10/12/84	69.3	1.3	8201
		11/08/84	64.6	6.0	
		12/04/84	63.4	7.2	
		01/16/85	62.2	8.4	
		02/13/85	61.5	9.1	
		03/04/85	61.2	9.4	
		04/02/85	61.2	9.4	
		05/07/85	66.5	4.1	
		06/05/85	NM-1		
		07/11/85	70.4	.2	
		08/07/85	80.2	-9.6	
		09/10/85	71.3	-.7	
04N/07E-29N12 M	64.5	10/11/84	55.4	10.1	8201
		01/16/85	50.0	15.5	
04N/07E-30E04 M	57.1	10/24/84	48.4	8.7	8201
		01/15/85	46.1	11.0	
04N/07E-31M11 M	45.9	10/04/84	13.0	32.9	8201
		01/15/85	17.1	28.8	
04N/07E-31Q01 M	58.9	10/10/84	32.1	26.8	8201
		01/14/85	32.3	26.6	
04N/07E-32F11 M	66.4	10/11/84	50.4	16.0	8201
		01/16/85	46.2	20.2	
04N/07E-33A11 M	61.8	10/11/84	35.0	8.8	8201
		01/16/85	47.7	16.1	
04N/07E-33H01 M	73.4	10/18/84	40.4	33.0	5110
		03/12/85	39.4	34.0	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR HU					
8-03.8 LOWER MOKELUMNE MA					
04N/07E-34F11 M	61.6	10/11/84	18.3	43.3	5201
		11/08/84	18.4	43.2	
		12/04/84	17.7	43.9	
		01/16/85	18.6	43.0	
		02/14/85	19.9	41.7	
		03/05/85	20.7	40.9	
		04/04/85	20.6	41.0	
		05/09/85	20.6	41.0	
		06/05/85	20.1	41.5	
		07/03/85	20.5	41.1	
		08/06/85	20.6	41.0	
		09/11/85	20.8	40.8	
04N/07E-34L03 M	82.3	10/11/84	40.1	42.2	8201
		01/16/85	43.1	39.2	
04N/07E-35C11 M	89.2	10/12/84	64.7	24.5	8201
		01/16/85	61.9	27.3	
04N/07E-35C13 M		10/15/84	NM-9		8201
		01/16/85	DRY		
04N/07E-35C14 M	89.2	10/15/84	83.1	6.1	8201
		01/16/85	77.6	11.6	
04N/07E-35E13 M	87.3	10/12/84	83.0	4.3	8201
		01/16/85	76.2	11.1	
04N/07E-35J01 M	87.5	10/17/84	84.4	3.1	8201
		01/17/85	80.3	7.2	
04N/07E-36C01 M	60.8	10/16/84	27.5	33.3	8201
		01/17/85	27.1	33.7	
04N/07E-36L01 M	90.0	10/15/84	143.5(6)	-53.5	5110
		03/12/85	109.0	-19.0	
04N/08E-01K01 M	170.7	10/22/84	106.7	64.0	8201
		11/09/84	99.1	71.6	
		12/11/84	106.7	64.0	
		01/22/85	106.9	63.8	
		02/19/85	NM-1		
		03/11/85	107.0	63.7	
		04/10/85	107.1	63.6	
		05/06/85	105.3	65.4	
		06/17/85	NM-1		
		07/19/85	110.7	60.0	
		08/12/85	NM-1		
		09/16/85	107.7	63.0	
04N/08E-09P11 M	141.5	10/22/84	141.3	.2	8201
		01/22/85	138.0	3.5	
04N/08E-10F12 M	143.2	10/22/84	134.2	9.0	8201
		11/09/84	133.6	9.6	
		12/05/84	132.6	10.6	
		01/22/85	131.7	11.5	
		02/19/85	NM-1		
		03/06/85	131.1	12.1	
		04/08/85	NM-1		
		05/13/85	133.0	10.2	
		06/11/85	133.0	10.2	
		07/17/85	133.3	9.9	
		08/06/85	135.6	7.6	
		09/12/85	134.8	8.4	
04N/08E-11M12 M	94.3	10/22/84	61.2	33.1	8201
		11/09/84	61.4	32.9	
		12/05/84	61.2	33.1	
		01/22/85	61.4	32.9	
		02/19/85	61.3	33.0	
		03/06/85	61.4	32.9	
		04/08/85	61.7	32.6	
		05/13/85	NM-1		
		06/11/85	62.3	32.0	
		07/09/85	63.0	31.3	
		08/06/85	63.4	30.9	
		09/12/85	64.0	30.3	
04N/08E-12A01 M	131.0	10/23/84	42.6	88.4	8201
		01/11/85	43.0	88.0	
04N/08E-12A11 M	129.2	10/25/84	36.3	92.9	8201
		11/14/84	36.3	92.9	
		12/28/84	36.5	92.7	
		01/11/85	36.3	92.9	
		02/20/85	NM-1		
		03/07/85	36.8	92.4	
		04/08/85	36.5	92.7	
		05/07/85	NM-1		
		06/06/85	NM-1		
		07/18/85	NM-1		
		08/09/85	NM-1		
		09/20/85	NM-1		
04N/08E-12B01 M	150.6	10/22/84	85.0	65.6	8201
		11/09/84	85.2	65.4	
		12/05/84	85.1	65.5	
		01/22/85	85.4	65.2	
		02/19/85	85.4	65.2	
		03/11/85	85.6	65.0	
		04/10/85	85.8	64.8	
		05/06/85	NM-1		
		06/17/85	105.6	45.0	
		07/19/85	86.3	64.3	
		08/12/85	86.3	64.3	
		09/16/85	86.8	63.8	
04N/08E-12N01 M	113.1	10/25/84	63.4	49.5	8201

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR HU					
8-03.8 LOWER MOKELUMNE MA					
04N/08E-12N01 M	113.1	11/15/84	63.3	49.8	8201
		12/14/84	62.9	50.2	
		01/25/85	62.9	50.2	
		02/20/85	62.7	50.4	
		03/08/85	65.8	47.3	
		04/10/85	63.1	50.0	
		05/16/85	NM-1		
		06/12/85	66.5	46.6	
		07/18/85	NM-1		
		08/16/85	66.7	46.4	
		09/20/85	NM-1		
04N/08E-12P11 M	109.5	10/25/84	58.1	51.4	8201
		11/15/84	57.7	51.8	
		12/14/84	57.6	51.9	
		01/23/85	57.7	51.8	
		02/20/85	57.5	52.0	
		03/08/85	NM-1		
		04/10/85	NM-1		
		05/16/85	NM-1		
		06/12/85	61.0	48.5	
		07/18/85	62.9	46.6	
		08/16/85	NM-1		
		09/20/85	NM-1		
04N/08E-13G12 M	153.8	10/25/84	111.6	42.2	8201
		11/14/84	111.5	42.3	
		12/14/84	111.3	42.5	
		01/11/85	111.0	42.8	
		02/21/85	110.8	43.0	
		03/07/85	111.0	42.8	
		04/09/85	110.4	43.4	
		05/16/85	110.4	43.4	
		06/12/85	110.5	43.3	
		07/19/85	NM-1		
		08/09/85	NM-1		
		09/25/85	112.4	41.4	
04N/08E-14B11 M	160.4	10/26/84	135.1	25.3	8201
		11/13/84	132.9	27.9	
		12/28/84	132.3	28.1	
		01/23/85	131.0	29.4	
		02/21/85	130.4	30.0	
		03/07/85	131.0	29.4	
		04/10/85	130.4	30.0	
		05/17/85	133.7	26.7	
		06/11/85	133.9	26.5	
		07/15/85	135.5	24.9	
		08/16/85	135.6	24.8	
		09/20/85	135.3	25.1	
04N/08E-14K01 M	150.0	10/15/84	130.4	19.6	5110
		03/12/85	125.9	24.1	
04N/08E-14L12 M	135.0	10/25/84	116.9	18.1	8201
		01/23/85	109.0	26.0	
04N/08E-15C01 M	106.5	10/19/84	67.0	39.5	8201
		11/08/84	67.1	39.4	
		12/05/84	65.1	41.4	
		01/19/85	67.0	39.5	
		02/19/85	67.6	38.9	
		03/16/85	67.9	38.6	
		04/09/85	68.0	38.5	
		05/13/85	68.4	38.1	
		06/06/85	68.3	38.2	
		07/17/85	68.9	37.6	
		08/06/85	69.1	37.4	
		09/12/85	68.8	37.7	
04N/08E-15J11 M	132.4	10/10/84	119.4	13.0	8201
		11/08/84	118.5	13.9	
		12/05/84	117.7	14.7	
		01/18/85	117.0	15.4	
		02/19/85	116.3	16.1	
		03/06/85	116.3	16.1	
		04/09/85	115.8	16.6	
		05/13/85	NM-1		
		06/06/85	120.1	12.3	
		07/09/85	122.0	10.4	
		08/06/85	123.5	8.9	
		09/11/85	120.6	11.8	
04N/08E-15R14 M	130.2	10/19/84	95.5	34.7	8201
		01/18/85	95.7	34.5	
04N/09E-16R12 M	82.4	10/15/84	14.4	68.0	8201
		01/19/85	15.1	67.3	
04N/08E-17J01 M	131.9	10/15/84	137.4	-5.5	5110
		03/12/85	130.9	1.0	
04N/08E-17K01 M	132.0	10/22/84	137.8	-5.8	8201
		01/22/85	132.1	-.1	
04N/08E-18D11 M	122.4	10/22/84	131.3	-8.9	8201
		01/22/85	124.2	-2.8	
04N/08E-19B02 M	111.4	10/22/84	117.9	-6.5	8201
		01/22/85	117.9	-6.5	
04N/08E-20F11 M	75.7	10/18/84	15.5	60.2	8201
		01/18/85	16.6	59.1	
04N/09E-21M01 M	114.0	01/12/85	113.1	.9	5110
04N/08E-21M13 M	117.0	10/18/84	118.0	-1.0	8201
		01/18/85	115.7	1.3	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
8 SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR MU					
8-03.8 LOWER MOKELUMNE MA					
04N/08E-22C01 M	128.0	10/19/84	63.7	62.3	5110
		03/12/85	57.7	68.3	
04N/08E-22C15 M	145.4	10/22/84	137.8	7.6	8201
		01/18/85	135.8	9.6	
04N/08E-22F11 M	128.3	10/22/84	122.8	5.5	8201
		11/08/84	122.1	6.2	
		12/05/84	121.3	7.0	
		01/18/85	120.4	7.9	
		02/19/85	119.6	8.7	
		03/04/85	119.4	8.9	
		04/09/85	118.9	9.4	
		05/13/85	121.1	7.2	
		06/06/85	121.9	6.4	
		07/09/85	123.1	5.2	
		08/06/85	124.4	3.9	
		09/11/85	122.8	5.5	
04N/08E-22H11 M	146.2	10/19/84	140.4	5.8	8201
		01/18/85	137.8	8.4	
04N/08E-25L01 M	192.9	10/18/84	177.5	15.4	8201
		01/18/85	176.9	16.0	
04N/08E-26A12 M	159.3	10/19/84	144.4	14.9	8201
		11/13/84	144.2	15.1	
		12/28/84	144.2	15.1	
		01/14/85	143.5	15.8	
		02/22/85	142.9	16.4	
		03/07/85	143.2	16.1	
		04/15/85	142.7	16.6	
		05/20/85	143.2	16.1	
		06/13/85	143.7	15.6	
		07/19/85	143.8	15.5	
		08/15/85	144.4	14.9	
		09/25/85	144.6	14.7	
04N/08E-27J11 M	195.5	10/18/84	190.6	4.9	8201
		01/18/85	192.2	3.3	
04N/09E-28E01 M	110.0	10/18/84	118.9	-8.9	5050
		03/21/85	111.6	-1.6	
04N/09E-28M11 M	131.5	10/18/84	132.6	-1.1	8201
		01/18/85	128.3	3.2	
04N/08E-28M12 M	111.9	10/18/84	117.8	-5.9	8201
		01/18/85	113.2	-1.3	
04N/08E-29E01 M	108.9	10/18/84	116.1	-7.2	8201
		01/17/85	110.3	-1.4	
04N/08E-32N01 M	105.0	10/15/84	119.5	-14.5	5110
		03/12/85	122.0	-17.0	
04N/08E-34E01 M	158.6	10/18/84	164.3	-5.7	8201
		01/18/85	158.8	-.2	
04N/08E-34G11 M	162.6	10/18/84	169.7	-7.1	8201
		01/18/85	167.2	-4.6	
04N/08E-35P02 M	196.0	10/18/84	194.5	1.5	5050
		03/21/85	193.1	2.9	
04N/08E-36P01 M	209.0	10/18/84	220.1	-11.1	5050
		03/21/85	217.2	-8.2	
04N/09E-05D11 M	181.4	10/23/84	20.4	161.0	8201
		11/15/84	17.9	163.5	
		12/07/84	18.7	162.7	
		01/23/85	19.2	162.2	
		02/20/85	19.0	162.4	
		03/07/85	19.2	162.2	
		04/10/85	26.6	154.8	
		05/20/85	NM-1		
		06/11/85	NM-1		
		07/19/85	27.8	153.6	
		08/12/85	50.9	130.5	
		09/16/85	31.5	149.9	
04N/09E-06L11 M	125.6	10/22/84	9.4	116.2	8201
		11/09/84	NM-1		
		12/11/84	9.6	116.0	
		01/22/85	9.2	116.4	
		02/19/85	9.8	115.8	
		03/11/85	11.2	114.4	
		04/10/85	11.3	114.3	
		05/17/85	NM-1		
		06/17/85	12.2	113.4	
		07/09/85	NM-1		
		08/12/85	NM-1		
		09/16/85	15.2	110.4	
04N/09E-07D12 M	159.3	10/24/84	59.3	96.0	8201
		11/14/84	59.6	95.7	
		12/28/84	59.8	95.5	
		01/11/85	59.7	95.6	
		02/20/85	59.9	95.4	
		03/08/85	60.0	95.3	
		04/08/85	60.2	95.1	
		05/13/85	60.7	94.6	
		06/13/85	61.4	93.9	
		07/19/85	61.6	93.7	
		08/16/85	62.0	93.3	
		09/20/85	62.2	93.1	
04N/09E-07E11 M	176.8	10/24/84	75.6	101.0	8201
		11/14/84	76.0	100.8	
04N/09E-07E11 M	176.6	12/25/84	76.0	100.6	8201
		01/11/85	76.3	100.3	
		02/20/85	76.2	100.4	
		03/04/85	76.3	100.3	
		04/08/85	76.4	100.2	
		05/13/85	77.3	99.3	
		06/13/85	77.6	99.0	
		07/19/85	77.8	98.8	
		08/16/85	80.1	96.5	
		09/20/85	77.7	98.9	
04N/09E-07H02 M	172.1	10/25/84	26.2	145.9	8201
		01/25/85	19.1	153.0	
04N/09E-15D01 M	199.9	10/24/84	16.4	182.5	8201
		01/28/85	15.9	183.0	
04N/09E-15H11 M	191.3	10/24/84	65.1	126.2	8201
		11/14/84	64.6	125.7	
		12/07/84	75.1	116.2	
		01/29/85	64.9	126.5	
		02/20/85	64.9	126.4	
		03/04/85	66.3	125.0	
		04/08/85	63.2	128.1	
		05/16/85	NM-1		
		06/10/85	62.0	129.3	
		07/15/85	62.3	129.0	
		08/14/85	60.2	131.1	
		09/12/85	59.6	131.7	
04N/09E-16A01 M	180.1	10/24/84	-.2	180.3	8201
		01/28/85	-.3	180.4	
04N/09E-16B11 M	185.1	10/24/84	1.8	183.3	8201
		01/28/85	2.7	182.4	
04N/09E-16C01 M	190.3	10/24/84	5.7	184.6	8201
		01/29/85	7.2	183.1	
04N/09E-16C11 M	204.0	10/24/84	13.9	190.1	8201
		01/28/85	15.7	188.3	
04N/09E-16D11 M		10/24/84	FLOW		8201
	175.3	01/29/85	-2.0	177.3	
04N/09E-16D12 M	189.7	10/24/84	6.3	183.4	8201
		01/29/85	5.5	184.2	
04N/09E-16D13 M	191.4	10/24/84	3.6	187.8	8201
		11/14/84	4.1	187.3	
		12/07/84	4.3	187.1	
		01/29/85	5.1	186.3	
		02/20/85	5.0	186.4	
		03/12/85	5.2	186.2	
		04/08/85	4.4	187.0	
		05/16/85	4.0	187.4	
		06/10/85	4.6	186.8	
		07/15/85	4.9	186.6	
		08/14/85	6.7	184.7	
		09/12/85	7.9	183.9	
04N/09E-16D14 M		10/24/84	FLOW		8201
		01/29/85	FLOW		
04N/09E-16D15 M		01/29/85	FLOW		8201
04N/09E-16G02 M	181.2	10/24/84	22.2	159.0	8201
		11/14/84	22.0	159.2	
		12/07/84	21.6	159.6	
		01/29/85	22.6	158.6	
		02/20/85	22.6	158.6	
		03/14/85	22.6	158.6	
		04/08/85	20.8	160.4	
		05/16/85	21.4	159.8	
		06/10/85	20.0	161.2	
		07/15/85	21.1	160.1	
		08/14/85	21.5	159.7	
		09/12/85	21.7	159.5	
04N/09E-17B11 M		10/24/84	FLOW		8201
		11/14/84	FLOW		
		12/14/84	FLOW		
		01/29/85	FLOW		
		02/20/85	FLOW		
		03/12/85	FLOW		
		04/08/85	FLOW		
		05/16/85	FLOW		
		06/10/85	FLOW		
		07/15/85	FLOW		
		08/14/85	FLOW		
	172.1	09/12/85	.2	171.9	
04N/09E-17D12 M		10/24/84	FLOW		8201
		11/14/84	FLOW		
		12/28/84	FLOW		
		01/29/85	FLOW		
		02/21/85	FLOW		
		03/12/85	FLOW		
		04/08/85	FLOW		
		05/16/85	FLOW		
		06/10/85	FLOW		
		07/15/85	FLOW		
		08/15/85	FLOW		
	173.9	09/18/85	1.4	172.5	
04N/09E-17E01 M	160.8	10/24/84	15.6	145.2	8201
		11/14/84	15.7	145.1	
		12/14/84	15.0	145.8	
		01/29/85	15.4	145.4	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
8 SAN JOAQUIN HA					
8-03 NORTH VALLEY FLOOR HU					
8-03.8 LOWER MOKELUMNE HA					
04N/09E-17E01 M	160.8	02/21/85	15.0	145.8	8201
		03/12/85	15.0	145.8	
		04/08/85	15.0	145.8	
		05/16/83	15.4	145.4	
		06/10/83	15.4	145.4	
		07/19/83	15.6	145.2	
		08/16/85	17.1	143.7	
		09/18/83	17.6	143.2	
04N/09E-18A11 M	183.3	10/24/84	23.1	160.2	8201
		11/14/84	25.2	138.1	
		12/14/84	23.1	160.2	
		01/23/85	23.2	160.1	
		02/21/85	23.1	160.2	
		03/13/85	23.2	160.1	
		04/08/85	23.4	159.9	
		05/16/85	23.5	159.8	
		06/10/85	22.6	160.7	
		07/15/83	24.0	159.3	
		08/14/85	24.3	159.0	
		09/18/85	24.3	159.0	
04N/09E-18C01 M	173.2	10/24/84	34.3	138.9	8201
		11/14/84	34.3	138.9	
		12/14/84	34.0	139.2	
		01/23/85	34.5	138.7	
		02/21/85	34.1	139.1	
		03/13/85	34.4	138.8	
		04/08/85	34.7	138.5	
		05/16/85	34.9	138.3	
		06/10/85	34.8	138.4	
		07/15/85	35.3	137.9	
		08/14/85	35.3	137.9	
		09/18/85	35.1	138.1	
04N/09E-18D11 M	177.6	10/24/84	122.3	55.3	8201
		11/14/84	119.4	58.2	
		12/12/84	117.6	60.0	
		01/23/85	116.3	61.3	
		02/20/85	117.5	60.1	
		03/08/85	116.1	61.5	
		04/08/85	115.5	62.1	
		05/13/85	134.8	42.8	
		06/11/85	126.3	51.3	
		07/16/85	141.7	35.9	
		08/16/85	144.2	33.4	
		09/25/85	145.0	32.6	
04N/09E-18D12 M	179.0	10/24/84	109.7	69.3	8201
		11/14/84	NM-1		
		12/12/84	106.0	73.0	
		01/23/85	105.4	73.6	
		02/20/85	NM-1		
		03/08/85	NM-1		
		04/08/85	NM-1		
		05/13/85	NM-1		
		06/11/85	NM-1		
		07/16/85	116.9	62.1	
		08/16/85	137.1	41.9	
		09/25/85	NM-1		
04N/09E-18E01 M	156.2	10/24/84	106.0	52.2	8201
		11/14/84	104.9	53.3	
		12/28/84	103.8	52.4	
		01/29/85	104.2	54.0	
		02/22/85	NM-1		
		03/13/85	NM-1		
		04/15/85	103.6	54.6	
		05/16/85	103.7	54.5	
		06/12/85	104.1	54.1	
		07/19/85	NM-1		
		08/09/85	101.9	56.3	
		09/25/85	102.0	56.2	
04N/09E-18H11 M	188.0	10/24/84	29.1	158.9	8201
		01/25/85	29.1	158.9	
04N/09E-18J01 M	155.0	10/24/84	44.8	110.2	8201
		11/16/84	44.2	110.8	
		12/28/84	44.3	110.7	
		01/25/85	44.8	110.2	
		02/21/85	44.5	110.5	
		03/13/85	44.4	110.6	
		04/16/85	44.4	110.6	
		05/16/85	45.1	109.9	
		06/17/85	44.7	110.3	
		07/19/85	44.6	110.4	
		08/15/85	44.6	110.4	
		09/18/83	44.6	110.4	
04N/09E-18N11 M	155.1	10/24/84	112.7	42.4	8201
		11/16/84	111.9	43.2	
		12/28/84	111.8	43.3	
		01/28/85	110.5	44.6	
		02/22/85	110.0	45.1	
		03/13/85	109.6	45.5	
		04/15/85	109.2	45.9	
		05/16/85	109.2	45.9	
		06/13/85	109.3	45.8	
		07/19/85	109.7	45.4	
		08/15/85	108.5	46.6	
		09/25/85	108.5	46.6	
04N/09E-19J11 M	173.1	10/24/84	109.7	63.4	8201
		11/16/84	109.3	63.8	
		12/28/84	110.6	62.5	
		01/29/85	111.0	62.1	
		02/22/85	NM-1		
		03/13/85	109.5	63.6	
8 SAN JOAQUIN HA					
8-03 NORTH VALLEY FLOOR HU					
8-03.8 LOWER MOKELUMNE HA					
04N/09E-19J11 M	173.1	04/16/85	109.3	63.8	8201
		05/16/85	111.0	62.1	
		06/17/85	NM-1		
		07/15/85	109.6	63.5	
		08/14/85	109.5	63.5	
		09/25/85	109.5	63.5	
04N/09E-20C11 M	197.2	10/26/84	72.6	124.6	8201
		11/14/84	75.4	121.8	
		12/28/84	NM-9		
		01/25/85	72.9	124.3	
		02/22/85	72.7	124.5	
		03/12/85	72.5	124.7	
		04/08/85	71.9	125.3	
		05/15/85	72.9	124.3	
		06/13/85	73.5	123.7	
		07/15/85	73.8	123.4	
		08/14/85	72.1	125.1	
		09/25/85	72.3	124.9	
04N/09E-20M01 M		10/24/84	NM-9		8201
		01/29/85	NM-9		
		01/29/85	NM-9		
		04/29/85	NM-9		
		07/15/85	NM-9		
04N/09E-21A01 M	215.4	10/24/84	44.9	171.5	8201
		11/14/84	45.3	171.1	
		12/07/84	45.1	171.3	
		01/29/85	45.1	171.3	
		02/20/85	44.9	171.5	
		03/08/85	45.2	171.2	
		04/08/85	44.9	171.5	
		05/16/85	40.3	176.1	
		06/10/85	44.8	171.6	
		07/15/85	45.6	170.8	
		08/14/85	45.3	171.1	
		09/12/85	45.0	171.4	
04N/09E-22J01 M	206.2	10/24/84	19.7	186.5	8201
		11/06/84	15.6	190.6	
		12/06/84	6.6	199.6	
		01/28/85	6.8	199.4	
		02/20/85	6.4	199.8	
		03/12/85	6.0	200.2	
		04/08/85	6.8	199.4	
		05/07/85	12.7	193.5	
		06/10/85	16.2	190.0	
		07/15/85	17.0	189.2	
		08/14/85	19.4	186.8	
		09/12/85	18.7	187.5	
04N/09E-24E11 M	295.5	10/24/84	145.8	149.7	8201
		01/28/85	143.6	151.9	
04N/09E-24K13 M	319.6	10/24/84	175.3	144.3	8201
		11/06/84	170.5	149.1	
		12/07/84	166.6	153.0	
		01/25/85	166.7	152.9	
		02/20/85	161.5	158.1	
		03/12/85	166.3	153.3	
		04/08/85	167.5	152.1	
		05/07/85	167.5	152.1	
		06/10/85	168.0	151.6	
		07/14/85	175.7	143.9	
		08/14/85	177.3	142.3	
		09/12/85	175.2	144.4	
04N/09E-24N13 M	283.6	10/24/84	133.4	150.2	8201
		01/28/85	131.7	151.9	
04N/09E-26F11 M	230.6	10/24/84	124.3	106.3	8201
		01/28/85	117.7	112.9	
04N/09E-28C02 M	313.4	10/24/84	132.8	180.6	8201
		11/13/84	132.8	180.6	
		12/06/84	132.5	180.9	
		01/28/85	132.1	181.3	
		02/21/85	132.2	181.2	
		03/12/85	132.2	181.2	
		04/15/85	131.7	181.7	
		05/15/85	NM-1		
		06/13/85	132.2	181.2	
		07/16/85	132.4	180.9	
		08/15/85	NM-1		
		09/25/85	132.7	180.7	
04N/09E-31M01 M	250.0	10/15/84	234.7(3)	15.3	5110
		03/12/85	NM-2		
05N/06E-36C03 M	56.0	10/19/84	76.9	-20.9	3030
		03/22/85	70.9	-14.9	
03N/06E-36R01 M	63.1	10/19/84	135.9(6)	-72.8	5110
		03/14/85	80.9(6)	-17.8	
03N/07E-31J01 M	71.5	10/19/84	104.5	-33.0	5110
		03/14/85	91.5	-20.0	
05N/09E-21E11 M	302.0	10/23/84	94.1	207.9	8201
		11/13/84	98.0	204.0	
		12/07/84	93.9	208.1	
		01/23/85	94.2	207.8	
		02/20/85	94.3	207.7	
		03/11/85	94.0	208.0	
		04/23/85	94.0	208.0	
		05/17/85	95.6	206.4	
		06/17/85	95.6	206.4	
		07/12/85	94.1	207.9	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
8 SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR MU					
R-03.A LOWER MOKELUMNE MA					
05N/09E-21E11 M	302.0	08/16/85	95.3	206.5	8201
		09/20/85	93.7	208.3	
05N/09E-22C11 M	318.7	10/23/84	98.4	220.3	8201
		01/25/85	98.6	220.1	
05N/09E-22P11 M	273.7	10/23/84	43.7	230.0	8201
		01/25/85	42.0	231.7	
05N/09E-22R11 M	322.1	10/23/84	83.2	238.9	8201
		11/15/84	81.8	240.3	
		12/07/84	82.8	239.3	
		01/25/85	81.1	241.0	
		02/20/85	81.2	240.9	
		03/11/85	80.9	241.2	
		04/03/85	82.4	239.7	
		05/17/85	81.4	240.7	
		06/17/85	81.5	240.6	
		07/12/85	84.4	237.7	
		08/16/85	81.4	240.7	
		09/20/85	84.7	237.4	
05N/09E-26D11 M	321.7	10/23/84	76.0	245.7	8201
		11/15/84	81.2(6)	240.5	
		12/07/84	74.9	246.8	
		01/25/85	79.7	242.0	
		02/20/85	74.1	247.6	
		03/11/85	73.9	247.8	
		04/03/85	74.4	247.3	
		05/17/85	74.7	247.0	
		06/12/85	74.6	247.1	
		07/12/85	75.1	246.6	
		08/16/85	75.2	246.5	
		09/20/85	74.4	247.3	
05N/09E-26E12 M	297.1	10/23/84	62.9	234.2	8201
		01/25/85	62.4	234.7	
05N/09E-26R11 M	345.4	10/23/84	92.8	252.6	8201
		11/15/84	85.3	260.1	
		12/07/84	82.6	262.8	
		01/25/85	79.0	266.4	
		02/20/85	77.6	267.8	
		03/11/85	77.2	268.2	
		04/03/85	77.4	268.0	
		05/17/85	85.2	260.2	
		06/12/85	97.4	247.8	
		07/12/85	97.9	247.3	
		08/16/85	92.4	253.0	
		09/20/85	92.8	252.6	
05N/09E-28K12 M	312.3	10/23/84	87.2	225.1	8201
		11/16/84	87.0	225.3	
		12/07/84	86.5	225.8	
		01/25/85	86.5	225.8	
		02/20/85	86.9	225.4	
		03/11/85	86.8	225.5	
		04/03/85	86.8	225.5	
		05/17/85	NM-1		
		06/17/85	87.0	225.3	
		07/12/85	87.5	224.8	
		08/16/85	86.8	225.5	
		09/20/85	87.6	224.7	
05N/09E-31L11 M	235.0	10/23/84	97.7	137.3	8201
		11/16/84	97.6	137.4	
		12/28/84	96.9	138.1	
		01/23/85	97.4	137.6	
		02/20/85	97.1	137.9	
		03/15/85	NM-1		
		04/10/85	97.6	137.4	
		05/20/85	NM-1		
		06/14/85	97.6	137.4	
		07/19/85	NM-1		
		08/12/85	98.0	137.0	
		09/25/85	95.4	139.6	
05N/09E-33R11 M	266.4	10/23/84	51.9	214.5	8201
		11/15/84	51.7	214.7	
		12/07/84	51.3	215.1	
		01/25/85	51.2	215.2	
		02/20/85	50.6	215.8	
		03/11/85	50.7	215.7	
		04/03/85	50.3	216.1	
		05/17/85	NM-1		
		06/12/85	NM-1		
		07/12/85	49.8	216.6	
		08/16/85	49.6	216.8	
		09/20/85	49.8	216.6	
8-03.C LOWER CALAVERAS MA					
01N/06E-02C01 M	19.0	10/15/84	38.0	-19.0	5050
		03/12/85	34.6	-15.6	
01N/06E-11E02 M	14.0	03/14/85	29.0	-15.0	5110
01N/06E-12C01 M	21.2	10/15/84	44.6	-23.4	5050
		03/12/85	39.5	-18.3	
01N/06E-12J01 M	22.5	10/15/84	45.3	-22.8	5050
		03/12/85	41.3	-18.8	
01N/07E-01A02 M	62.0	12/03/84	91.5	-29.5	5110
		04/10/85	82.5	-20.5	
01N/07E-01J02 M	60.0	12/03/84	89.0	-29.0	5110
		04/10/85	83.5	-23.5	
8 SAN JOAQUIN MB					
8-03 NORTH VALLEY FLOOR MU					
6-03.C LOWER CALAVERAS MA					
01N/07E-01M02 M	50.0	03/13/85	69.0	-19.0	5110
01N/07E-02G01 M	50.0	12/03/84	68.5(8)	-18.5	5110
		04/10/85	71.5	-21.5	
01N/07E-03L01 M		12/03/84	NM-9		5110
	43.0	04/10/85	64.0	-21.0	
01N/07E-03M01 M	41.0	12/03/84	72.0	-31.0	5110
		04/10/85	54.0	-13.0	
01N/07E-04P03 M	35.4	03/14/85	62.4	-27.0	5110
01N/07E-04R01 M	39.0	12/03/84	57.0	-18.0	5110
		04/04/85	57.0(8)	-18.0	
01N/07E-06E01 M	22.5	03/14/85	58.0	-35.5	5110
01N/07E-07E01 M	25.0	10/30/84	50.0(5)	-25.0	5001
		03/01/85	48.0	-23.0	
01N/07E-07F01 M	25.8	10/15/84	49.8	-24.0	5050
		03/12/85	44.9	-19.1	
01N/07E-08B01 M	30.0	12/03/84	56.0	-26.0	5110
		04/04/85	53.0	-23.0	
01N/07E-08R02 M		10/31/84	NM-7		5001
	31.5	03/14/85	80.0	-48.5	5110
01N/07E-09E04 M		12/03/84	NM-4		5110
		04/04/85	NM-4		
01N/07E-09H01 M		12/03/84	NM-4		5110
	39.0	04/04/85	62.5	-23.5	
01N/07E-10001 M	39.0	12/03/84	59.0	-20.0	5110
		04/04/85	61.0	-22.0	
01N/07E-10G01 M	43.0	12/03/84	66.0	-23.0	5110
		04/04/85	65.5	-22.5	
01N/08E-02B01 M		10/01/84	NM-7		5001
	84.0	03/20/85	104.1	-20.1	5050
01N/08E-02J01 M		10/31/84	NM-7		5001
	86.0	03/20/85	106.5	-20.5	5050
01N/08E-03P01 M	80.0	10/12/84	120.0(8)	-40.0	5110
		03/13/85	111.0(8)	-31.0	
01N/08E-04E01 M	69.5	10/12/84	103.0(8)	-33.5	5110
		04/03/85	93.0(8)	-23.5	
01N/09E-06N01 M		10/01/84	NM-7		5001
		10/12/84	NM-7		5110
	118.5	04/03/85	145.5(8)	-27.0	
01N/09E-17R02 M	105.0	10/16/84	123.9	-18.9	5050
		03/19/85	112.1	-7.1	
02N/06E-35Q02 M	17.5	10/15/84	39.1	-21.6	5050
		03/12/85	35.1	-17.6	
02N/07E-01R01 M	73.2	10/10/84	97.0	-23.8	8201
		01/14/85	92.3	-19.1	
02N/07E-10J11 M	55.6	10/15/84	83.8	-28.2	8201
		01/14/85	80.1	-24.5	
02N/07E-11F01 M	58.0	10/22/84	92.0(8)	-34.0	5110
		03/25/85	82.0(8)	-24.0	
02N/07E-12A03 M	72.2	10/18/84	96.9	-24.7	5050
		01/25/85	90.4	-18.2	
		02/26/85	89.2	-17.0	
		03/25/85	88.4	-16.2	
		04/25/85	90.1	-17.9	
		05/23/85	101.8	-29.6	
		06/23/85	105.0	-32.8	
		07/25/85	NM-1		
		08/22/85	111.8	-39.6	
		09/24/85	102.0	-29.8	
02N/07E-14R01 M	57.3	03/15/85	78.8	-21.5	5110
02N/07E-15C01 M	51.7	10/22/84	89.0	-37.3	5110
		03/25/85	83.0	-31.3	
02N/07E-16L01 M	46.2	10/22/84	88.5(8)	-42.3	5110
		03/25/85	79.5(8)	-33.3	
02N/07E-16M01 M	44.0	10/30/84	74.4	-31.8	8201
		01/11/85	68.6	-24.6	
02N/07E-20N02 M	35.0	10/22/84	73.0(8)	-38.0	5110
		03/25/85	68.5(8)	-33.5	
02N/07E-21G11 M	46.2	10/30/84	77.0	-30.8	8201
		01/11/85	72.9	-26.7	
02N/07E-21K02 M	45.0	12/04/84	67.0	-22.0	5110
		04/02/85	66.0	-21.0	
02N/07E-21M01 M	40.0	12/04/84	79.0(8)	-39.0	5110
		04/02/85	70.0(8)	-30.0	
02N/07E-22Q01 M		12/04/84	NM-4		5110
		04/02/85	NM-4		

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
B SAN JOAQUIN HA					
B-03 NORTH VALLEY FLOOR HU					
B-03.C LOWER CALAVERAS HA					
02N/07E-23R01 M	57.0	12/04/84	80.0(8)	-23.0	5110
		04/02/85	80.0(8)	-23.0	
02N/07E-23J02 M	59.6	03/15/85	89.7	-30.1	5110
02N/07E-24R01 M	65.4	03/15/85	87.5	-22.1	5110
02N/07E-24J01 M	65.0	12/04/84	97.0(8)	-32.0	5110
		04/02/85	100.0(8)	-35.0	
02N/07E-24Q01 M	62.5	12/04/84	87.5	-25.0	5110
		04/02/85	87.5	-25.0	
02N/07E-26H03 M		12/04/84	NM-3		5110
		04/02/85	NM-3		
02N/07E-26N01 M	50.3	03/15/85	76.5	-26.2	5110
02N/07E-26R01 M	56.0	12/04/84	99.0(8)	-43.0	5110
		04/02/85	102.0(8)	-46.0	
02N/07E-27D01 M	46.7	03/15/85	85.2	-38.5	5110
02N/07E-27L01 M	47.0	12/04/84	66.0(1)	-19.0	5110
		04/02/85	NM-9		
02N/07E-28K02 M	42.0	12/04/84	92.0	-50.0	5110
		04/02/85	86.0	-44.0	
02N/07E-28N04 M	38.0	03/15/85	59.5	-21.5	5110
02N/07E-28P01 M	39.0	12/04/84	66.0	-27.0	5110
		04/02/85	63.0	-24.0	
02N/07E-29R01 M		12/04/84	NM-3		5110
		04/02/85	NM-3		
02N/07E-29M02 M	34.0	12/04/84	55.0	-21.0	5110
		04/02/85	52.0	-18.0	
02N/07E-30E01 M	28.0	10/19/84	66.5	-38.5	5110
		03/25/85	64.5	-36.5	
02N/07E-30H01 M	32.5	12/04/84	54.0(4)	-21.5	5110
		04/02/85	NM-1		
02N/07E-31M01 M	27.2	10/19/84	52.0	-24.8	5110
02N/07E-32J02 M	35.0	12/04/84	54.0	-19.0	5110
		04/02/85	53.0	-18.0	
02N/07E-32M02 M	30.0	12/04/84	43.0(8)	-13.0	5110
		04/02/85	44.0(8)	-14.0	
02N/07E-32R01 M		03/15/85	NM-7		5110
02N/07E-33H01 M	41.0	03/15/85	61.0(8)	-20.0	5110
02N/07E-33L01 M	38.0	12/04/84	57.0(8)	-19.0	5110
		04/01/85	52.0(8)	-14.0	
02N/07E-34E01 M		12/04/84	NM-4		5110
02N/07E-34R01 M	47.0	12/03/84	63.0	-16.0	5110
		04/10/85	64.0	-17.0	
02N/07E-35L01 M	49.8	03/15/85	74.9	-25.1	5110
02N/07E-36H01 M	58.7	03/15/85	79.2	-20.5	5110
02N/07E-36P02 M	54.0	10/18/84	85.3	-31.3	5050
		01/25/85	80.1(4)	-26.1	
		02/26/85	77.7(4)	-23.7	
		03/25/85	78.1	-24.1	
		04/25/85	77.6	-23.6	
		05/23/85	84.8	-30.8	
		06/25/85	85.6	-31.6	
		07/25/85	89.1	-35.1	
		08/22/85	91.2	-37.2	
		09/24/85	90.0	-36.0	
02N/08E-03G02 M	108.6	10/22/84	116.5(4)	-7.7	5110
		03/25/85	NM-1		
02N/08E-04C01 M	92.0	10/22/84	135.5(8)	-43.5	5110
		03/25/85	118.5(8)	-26.5	
02N/08E-08N01 M		10/28/84	NM-3		5110
	76.7	04/15/85	93.7(8)	-17.0	
02N/08E-09G02 M	87.0	10/22/84	112.0	-25.0	5110
		03/25/85	110.0(3)	-23.0	
02N/08E-10H02 M	105.4	10/22/84	156.5	-51.1	5110
		03/25/85	151.5(3)	-46.1	
02N/08E-12C02 M	109.3	03/15/85	114.0	-4.7	5110
02N/08E-13K01 M	103.6	03/15/85	144.2	-38.6	5110
02N/08E-14C01 M	94.4	03/15/85	115.4(6)	-21.0	5110
02N/08E-15M02 M	84.9	03/15/85	116.1	-31.2	5110
02N/08E-16D01 M		10/22/84	NM-3		5110
	80.5	04/15/85	98.6(8)	-18.1	
02N/08E-19C01 M	68.9	10/22/84	106.9(8)	-38.0	5110
		03/25/85	99.4(8)	-30.5	
B SAN JOAQUIN HA					
B-03 NORTH VALLEY FLOOR HU					
B-03.C LOWER CALAVERAS HA					
02N/08E-19C03 M	67.3	03/15/85	88.9	-21.6	5110
02N/08E-20F01 M	73.0	03/15/85	104.8	-31.8	5110
02N/08E-21R01 M		10/31/84	NM-7		5001
	79.9	03/15/85	109.1	-29.2	5110
02N/08E-24P01 M	125.0	03/15/85	150.4	-24.4	5110
02N/08E-30H01 M	69.4	03/15/85	99.9(6)	-30.5	5110
02N/08E-32L02 M	69.3	03/15/85	81.2	-11.7	5110
02N/08E-33E01 M	75.0	03/15/85	103.0	-28.0	5110
02N/08E-34E01 M	82.6	10/12/84	120.7(6)	-38.1	5110
		03/13/85	112.7(6)	-30.1	
02N/08E-36L01 M	97.2	10/29/84	122.9	-25.7	5050
		11/29/84	121.2	-24.0	
		12/26/84	119.3	-22.1	
		01/25/85	117.9	-20.7	
		02/22/85	116.4	-19.2	
		03/25/85	115.0	-17.8	
		04/25/85	114.2	-17.0	
		05/24/85	117.6	-20.4	
		06/24/85	119.8	-22.6	
		07/25/85	122.6	-25.4	
		08/23/85	124.5	-27.3	
		09/23/85	124.9	-27.7	
02N/09E-03A01 M	150.0	03/15/85	66.9(6)	83.1	5110
02N/09E-04H01 M	158.1	03/15/85	79.0(6)	79.1	5110
02N/09E-05H01 M		10/31/84	NM-7		5001
	132.2	03/15/85	116.5	15.7	5110
02N/09E-05N01 M	126.1	10/18/84	121.0	5.1	5050
		03/20/85	119.2	6.9	
02N/09E-07G02 M	117.5	03/15/85	131.0(6)	-13.5	5110
02N/09E-08N01 M	141.6	03/15/85	152.0(8)	-10.4	5110
02N/09E-09Q01 M	132.8	03/15/85	123.6(8)	9.2	5110
02N/09E-11A01 M	253.0	03/15/85	170.0(3)	83.0	5110
02N/09E-18Q01 M	107.1	03/15/85	121.7(8)	-14.6	5110
02N/09E-22B02 M	171.0	03/20/85	144.9	26.1	5050
03N/08E-32P01 M	85.0	10/18/84	110.3	-25.3	5050
		03/20/85	101.3	-16.3	
03N/09E-19N01 M	180.0	03/21/83	186.6	-6.6	5050
03N/09E-25R01 M	169.8	03/15/85	93.8	116.0	5110
03N/09E-33J01 M	140.0	03/15/85	73.9	66.1	5110
03N/09E-36G01 M	180.4	03/15/85	76.2	104.2	5110
B-03.0 DUCK-LITTLEJOHNS HA					
01N/06E-14C03 M		10/01/84	NM-7		5001
	14.3	10/29/84	30.3	-16.0	5050
		11/29/84	29.6	-15.3	
		12/26/84	28.7	-14.4	
		01/24/85	28.4	-14.1	
		02/22/85	28.0	-13.7	
		03/25/85	27.6	-13.3	
		04/25/85	27.4	-13.1	
		05/24/85	27.9	-13.6	
		06/24/85	28.6	-14.3	
		07/25/85	30.0	-15.7	
		08/23/85	31.3	-17.0	
		09/23/85	31.7	-17.4	
01N/06E-23D01 M		10/31/84	NM-7		5001
	9.0	03/13/85	20.4	-11.4	
01N/06E-23J03 M	11.8	03/13/85	22.7	-10.9	5050
01N/06E-25M02 M		10/31/84	NM-7		5001
		03/13/85	NM-0		
01N/07E-09Q03 M	38.0	12/03/84	67.0	-29.0	5110
		04/04/85	61.0	-23.0	
01N/07E-11L03 M	50.0	12/03/84	65.0(8)	-15.0	5110
		04/10/85	70.5(8)	-20.5	
01N/07E-11M01 M	46.3	10/12/84	88.0(3)	-41.7	5110
		03/13/85	85.0(3)	-38.7	
01N/07E-14L01 M		10/01/84	NM-7		5001
	47.0	03/19/85	76.5	-29.5	5050
01N/07E-15M02 M	38.0	10/12/84	98.0	-60.0	5110
		03/13/85	66.0(4)	-28.0	
01N/07E-19G01 M	23.5	10/12/84	74.5	-51.0	5110
		03/13/85	45.5	-22.0	
01N/07E-20G01 M	29.0	10/12/84	89.0	-60.0	5110
		03/13/85	60.0(6)	-31.0	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

R 8-03 — SAN JOAQUIN MB; NORTH VALLEY FLOOR MU; DUCK-LITTLEJOHNS MA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
01N/07E-21B01 M		10/12/84	NM-9		5110
	37.0	04/01/85	69.0	-32.0	
01N/07E-23H02 M	51.0	10/17/84	92.8	-41.8	5050
		01/24/85	88.4(4)	-37.4	
		02/26/85	86.8	-35.8	
		03/25/85	84.9(4)	-33.9	
		04/25/85	NM-1		
		05/23/85	88.6(4)	-37.6	
		06/24/85	91.2(4)	-40.2	
		07/25/85	93.4	-42.4	
		08/22/85	95.8	-44.8	
		09/23/85	95.6	-44.6	
01N/07E-24A01 M	58.4	10/11/84	120.5(8)	-62.1	5110
		03/14/85	118.0(8)	-59.6	
01N/07E-26H03 M	50.0	10/12/84	103.5	-53.5	5110
		03/13/85	84.0	-34.0	
01N/07E-27H02 M		10/12/84	NM-3		5110
	44.0	03/13/85	78.0(6)	-34.0	
01N/07E-28B01 M		10/01/84	NM-7		5001
	36.0	03/18/85	60.4	-24.4	5050
01N/07E-32A01 M		10/01/84	NM-7		5001
	29.5	03/18/85	48.1	-18.6	5050
01N/07E-35H01 M	49.1	10/12/84	105.6(6)	-56.5	5110
		03/13/85	97.6(6)	-48.5	
01N/08E-09L01 M	71.0	10/16/84	112.7	-41.7	5050
		03/19/85	102.0	-31.0	
01N/08E-13J01 M	94.8	10/12/84	122.5	-27.7	5110
		03/14/85	121.5	-26.7	
01N/08E-13R02 M	90.5	10/18/84	122.3	-31.8	5050
		03/19/85	107.6	-17.1	
01N/08E-15J01 M	82.0	10/18/84	121.0(4)	-39.0	5050
		01/24/85	112.2	-30.2	
		02/22/85	109.7	-27.7	
		03/25/85	106.7	-24.7	
		04/25/85	106.8(4)	-24.8	
		05/24/85	110.7	-28.7	
		06/24/85	114.6	-32.6	
		07/25/85	117.8	-35.8	
		08/23/85	121.2	-39.2	
		09/23/85	124.5(4)	-42.5	
01N/08E-16R01 M		10/01/84	NM-7		5001
	73.0	03/19/85	100.6	-27.6	5050
01N/08E-17Q01 M		10/18/84	NM-4		5110
01N/08E-26A02 M		10/18/84	NM-4		5110
	88.7	04/01/85	115.4	-24.7	
01N/08E-27B02 M	78.0	10/11/84	116.0	-38.0	5110
		03/14/85	101.0	-23.0	
01N/08E-28K01 M		10/01/84	NM-7		5001
	71.0	03/18/85	96.0	-25.0	5050
01N/08E-29M02 M	64.1	10/11/84	110.1	-46.0	5110
		03/14/85	116.1	-52.0	
01N/08E-30H01 M		10/01/84	NM-7		5001
	57.0	03/18/85	88.7	-31.7	5050
01N/08E-33H01 M	71.6	10/11/84	112.5(6)	-40.9	5110
		03/14/85	104.5(6)	-34.9	
01N/08E-35R02 M	82.0	10/11/84	121.0(6)	-39.0	5110
		03/14/85	101.0	-19.0	
01N/08E-36F01 M	87.0	10/10/84	126.0	-39.0	5110
		03/14/85	120.0	-33.0	
01N/09E-01C01 M	191.0	10/12/84	176.7	14.3	5110
		03/13/85	165.7	25.3	
01N/09E-05R01 M	119.5	03/20/85	153.1	-10.6	5050
01N/09E-05J01 M	153.0	10/12/84	182.5(6)	-29.5	5110
		03/14/85	177.5(6)	-24.5	
01N/09E-06R01 M		10/01/84	NM-7		5001
	136.0	03/20/85	151.1	-15.1	5050
01N/09E-09G01 M	156.0	10/16/84	163.8	-7.8	5050
01N/09E-13D01 M	142.0	10/12/84	120.0(6)	22.0	5110
		03/14/85	115.0(6)	27.0	
01N/09E-15R02 M		10/12/84	NM-9		5110
	120.0	03/14/85	114.0(6)	6.0	
01N/09E-17D01 M		10/12/84	NM-7		5110
	103.0	04/08/85	112.8(8)	-9.8	
01N/09E-17H01 M	102.2	10/12/84	122.7	-20.5	5110
		04/08/85	113.7	-11.5	
01N/09E-19C01 M	98.5	10/12/84	143.5	-45.0	5110
		03/14/85	142.0	-43.5	

R 8-03 — SAN JOAQUIN MB; NORTH VALLEY FLOOR MU; DUCK-LITTLEJOHNS MA

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
01N/09E-21J01 M	114.0	10/16/84	116.3	-2.3	5050
		03/19/85	108.5	5.5	
01N/09E-22G02 M	119.0	10/12/84	149.4	-31.4	5110
		03/14/85	132.4	-14.4	
01N/09E-23D01 M	125.0	10/16/84	108.8	16.2	5001
		03/25/85	NM-0		
		04/08/85	104.3	20.7	5110
01N/09E-29A01 M		10/17/84	NM-3		5001
		03/14/85	NM-0		
01N/09E-30C05 M	95.0	10/11/84	125.5(9)	-29.9	5110
		03/14/85	105.5(8)	-9.5	
01N/09E-35K01 M	165.0	10/16/84	151.6	13.4	5050
		03/19/85	140.5	24.5	
01N/09E-36P01 M	147.2	10/11/84	122.7	24.5	5110
		03/15/85	116.7	30.5	
02N/09E-28K01 M		10/12/84	NM-9		5110
	179.5	04/08/85	195.1	-15.6	
02N/09E-32D01 M	154.2	03/20/85	163.6	-9.4	5050
01S/07E-01J01 M	53.4	10/12/84	96.0(6)	-42.6	5110
		03/13/85	76.0(6)	-22.6	
01S/07E-03A01 M	43.1	10/12/84	71.5	-28.4	5110
		03/13/85	59.0	-15.9	
01S/07E-05A01 M	29.9	10/11/84	43.4	-14.5	5110
		03/12/85	39.4	-10.5	
01S/07E-06R02 M		10/11/84	NM-4		5110
	23.5	03/12/85	29.5	-6.0	
01S/07E-08J02 M	30.9	10/11/84	27.9	3.0	5110
		03/12/85	26.9	4.0	
01S/07E-09D01 M	35.0	10/25/84	32.9	2.1	5050
		03/14/85	31.8	3.2	
01S/07E-10A01 M	41.0	10/17/84	57.2	-16.2	5050
		01/24/85	51.2	-10.2	
		02/22/85	50.0	-9.0	
		03/25/85	49.2	-8.2	
		04/25/85	50.5	-9.5	
		05/30/85	58.0	-17.0	
		06/24/85	58.7	-17.7	
		07/25/85	62.3	-21.3	
		09/23/85	60.5	-19.5	
01S/07E-12M01 M	51.0	10/12/84	75.3	-24.3	5110
		03/13/85	68.3	-17.3	
01S/07E-13J01 M	48.0	10/11/84	53.0	-5.0	5110
		03/12/85	49.0	-1.0	
01S/08E-06Q01 M	55.4	10/12/84	98.5	-43.1	5110
		03/13/85	80.5	-25.1	
01S/09E-09A01 M	71.0	10/12/84	114.0	-43.0	5110
		03/13/85	100.5	-29.5	
01S/08E-11F01 M	85.0	10/12/84	108.2	-28.2	5110
		03/15/85	103.7	-23.7	
01S/08E-15A01 M	73.5	10/17/84	88.5	-15.0	5050
		03/19/85	81.2	-7.7	
01S/08E-29H01 M		10/11/84	NM-4		5110
		03/12/85	NM-4		
01S/08E-30C02 M	52.0	10/11/84	37.5	14.5	5110
		03/12/85	36.5	15.5	
01S/09E-02D01 M	146.0	10/11/84	117.5	28.5	5110
		03/15/85	111.5	34.5	
01S/09E-02F01 M	162.0	10/11/84	128.7	33.3	5110
		03/15/85	120.7	41.3	
01S/09E-05R01 M	105.7	10/12/84	67.0(8)	38.7	5110
		03/15/85	59.0(8)	46.7	
01S/09E-07N01 M	94.2	10/12/84	87.5(3)	8.7	5110
		03/15/85	86.5(3)	7.7	
01S/09E-09B01 M	127.6	10/12/84	104.0	23.6	5110
		03/15/85	105.0	22.6	
01S/09E-11J02 M	132.0	10/10/84	87.5	44.2	5110
		03/15/85	85.8	46.2	
01S/09E-18R03 M	103.8	10/12/84	104.8	-1.0	5110
		03/15/85	102.8	1.0	
01S/09E-19D02 M	97.5	10/11/84	73.5	24.0	5110
		03/30/85	90.5	7.0	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
G NORTH LAHONTAN HB					
G-05 LAKE TAHOE HU					
G-05.A SOUTH TAHOE HA					
11N/18E-05N01 M	6396.1	03/22/85	17.1	6379.0	5050
		09/17/85	21.4	6374.7	
11N/18E-17E01 M	6475.0	03/22/85	9.1	6465.9	5030
		09/17/85	15.9	6459.1	
12N/18E-02C01 M	6274.3	03/22/85	36.2	6238.1	5050
		09/17/85	37.1	6237.2	
12N/18E-02C09 M	6291.1	05/22/85	69.2	6221.9	5050
		09/17/85	71.0	6220.1	
12N/18E-03A01 M	6270.4	05/22/85	64.5	6205.9	5050
		09/16/85	62.7	6207.7	
12N/18E-05A02 M	6239.7	03/22/85	8.3	6231.4	5050
		09/16/85	8.2	6231.5	
12N/18E-05C02 M	6257.6	03/22/85	21.5	6236.1	5050
		09/16/85	22.6	6233.0	
12N/18E-05K01 M	6271.0	05/22/85	35.2	6235.8	5050
		09/16/85	36.1	6234.9	
12N/18E-09D03 M	6298.0	03/22/85	65.2	6232.8	5050
		09/16/85	63.4	6234.6	
12N/18E-20H02 M	6280.0	03/22/85	9.9(1)	6270.1	5050
		09/16/85	8.0	6272.0	
12N/18E-21D01 M		03/22/85	NM-1		5050
	6283.0	09/16/85	19.8	6263.2	
12N/18E-29L01 M	6340.0	05/22/85	17.9	6322.1	5050
		09/17/85	21.4	6318.6	
13N/17E-35G01 M	6278.6	05/22/85	27.6	6251.0	5050
		09/16/85	29.1	6249.5	
13N/18E-27K01 M	6276.7	05/22/85	30.6	6246.1	5050
		09/16/85	31.0	6245.7	
13N/18E-32H02 M	6230.0	03/22/85	10.9	6219.1	5050
		09/16/85	11.6	6218.4	
13N/18E-33M01 M	6253.1	05/22/85	27.7	6225.4	5050
		09/16/85	28.6	6224.5	
13N/18E-33R05 M		05/22/85	NM-2		5050
		09/17/85	NM-2		
13N/18E-34M02 M	6262.8	05/22/85	26.3	6236.5	5050
		09/16/85	29.8	6233.0	
G NORTH LAHONTAN HB					
G-08 SUSANVILLE HU					
G-08.A HERLONG HA					
21N/18E-19J01 M	4920.0	10/03/84	55.7	4864.3	5050
		03/26/85	41.0	4879.0	
22N/17E-26N01 M		10/03/84	NM-3		5050
	4990.0	03/26/85	38.8	4951.2	
22N/17E-26J01 M	4980.0	10/03/84	68.2(1)	4911.8	5050
		03/26/85	29.6	4950.4	
23N/17E-02N01 M	4570.0	10/03/84	25.5	4544.5	5050
		03/26/85	NM-9		
25N/17E-20R01 M	4280.5	10/04/84	23.6	4256.9	5050
		04/05/85	20.3	4260.4	
26N/16E-03D02 M	4080.0	10/04/84	38.6	4041.4	5050
		04/05/85	35.2	4044.8	
26N/16E-08N01 M	4050.0	10/05/84	27.8(8)	4022.2	5050
		03/26/85	26.2	4023.8	
27N/15E-29P01 M	3987.0	10/02/84	30.7	3956.3	5050
		03/26/85	2.0	3985.0	
27N/16E-30M01 M	3990.0	10/04/84	5.8	3993.2	5050
		04/05/85	3.7	3995.3	
G-08.B SUSAN RIVER HA					
28N/13E-11R01 M	4065.6	10/02/84	24.7	4043.9	5050
		04/04/85	12.9	4055.7	
28N/13E-14Q02 M	4105.3	10/02/84	37.0	4068.3	5050
		03/26/85	28.2	4077.1	
28N/14E-18K01 M	4003.1	10/02/84	8.9	3994.2	5050
		03/26/85	3.5	3999.6	
29N/12E-16M02 M	4240.0	10/04/84	14.9	4225.1	5050
		04/05/85	NM-6		
29N/13E-02L01 M	4069.4	10/03/84	5.8	4063.6	5050
		03/27/85	2.6	4066.8	
29N/13E-07Q01 M	4098.8	10/03/84	7.0	4091.8	5050
		03/27/85	3.0	4095.8	
29N/13E-14J01 M	4136.0	10/03/84	65.0	4071.0	5050
		03/28/85	61.5	4074.5	
29N/14E-20A02 M	4050.0	10/03/84	12.8	4037.2	5050
		03/27/85	10.8	4039.2	
29N/14E-22Q01 M	4022.8	10/03/84	15.7	4007.3	5050
		03/26/85	7.6	4015.2	
29N/15E-21N01 M	4000.0	10/02/84	14.4	3985.6	5050
		03/27/85	6.7	3993.3	
G-08.C SNOW STORM MOUNTAIN HA					
31N/15E-26N01 M	4445.0	10/05/84	131.5	4313.5	5050

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
G NORTH LAMONTAN HA					
G-10 MADELINE PLAINS HU					
39N/13E-26J02 M	3296.0	10/03/84	47.3	3248.5	5050
		03/02/85	47.2	3248.8	
G NORTH LAMONTAN HA					
G-12 SURPRISE VALLEY HU					
G-12.4 BARE CREEK HA					
40N/16E-29P01 M	4590.0	10/17/84	41.9	4548.1	5050
		03/26/85	35.0(9)	4555.0	
40N/16E-36G02 M	4625.0	10/17/84	71.6	4553.4	5050
		03/25/85	63.4	4561.6	
40N/16E-36R02 M	4593.0	10/17/84	51.5	4538.5	5050
		03/26/85	44.6(9)	4545.4	
40N/17E-19M02 M	4535.0	10/17/84	21.4	4513.6	5050
		03/26/85	-.1	4535.1	
40N/17E-31E02 M	4579.0	10/17/84	39.3	4539.7	5050
		03/26/85	NM-3		
40N/17E-31F01 M	4548.1	10/17/84	10.8	4537.3	5050
		03/26/85	18.5	4529.6	
40N/17E-31M01 M	4583.0	10/17/84	41.2	4538.8	5050
		03/26/85	36.1	4543.9	
40N/17E-31P01 M	4554.0	10/17/84	15.1	4538.9	5050
		03/26/85	10.5	4543.5	
G-12.8 CEDARVILLE HA					
40N/16E-13G01 M	4540.0	10/17/84	22.5	4517.5	5050
		03/26/85	6.7	4533.3	
40N/16E-23B01 M	4673.0	10/17/84	67.6	4603.4	5050
		03/26/85	68.0	4605.0	
41N/16E-04K01 M	4650.0	11/31/84	65.0	4585.0	2925
		04/18/85	43.0	4607.0	
41N/16E-09A02 M	4683.0	11/31/84	110.5	4569.5	2925
		04/18/85	95.5	4584.5	
41N/16E-14M01 M	4635.0	11/32/84	74.0	4561.0	2925
		04/19/85	64.0	4571.0	
41N/16E-23J01 M	4350.0	11/31/84	4.5	4345.5	2925
		04/15/85	2.0	4348.0	
41N/16E-33D02 M	4621.5	10/17/84	43.5	4578.0	5050
		03/26/85	39.5	4582.0	
41N/16E-35D03 M	4689.0	11/31/84	43.0	4642.0	2925
		04/18/85	35.0	4650.0	
41N/16E-35F01 M		11/01/84	NM-9		2925
	4369.3	04/18/85	10.5	4358.8	
42N/16E-04K01 M	4543.0	10/17/84	31.2	4508.8	5050
		03/26/85	19.5	4520.5	
42N/16E-05C01 M	4675.0	10/31/84	118.5	4556.5	2925
		04/15/85	106.5	4568.5	
42N/16E-05F01 M	4669.0	10/31/84	43.0	4622.0	2925
		04/18/85	17.0	4648.0	
42N/16E-08M01 M	4652.0	10/31/84	21.5	4630.5	2925
		04/18/85	19.5	4632.5	
42N/16E-08Q01 M	4614.8	10/31/84	102.4	4512.4	2925
		04/19/85	.6	4614.2	
42N/16E-09K01 M	4534.4	10/31/84	-5.9	4540.3	2925
		04/18/85	-5.0	4539.4	
42N/16E-16P01 M	4555.0	10/17/84	21.7	4534.3	5050
		03/26/85	10.0	4546.0	
42N/16E-17G01 M	4640.0	11/02/84	12.5	4627.5	2925
		04/19/85	10.0	4630.0	
42N/16E-20C01 M	4630.0	11/02/84	10.0	4620.0	2925
		04/18/85	10.0	4620.0	
42N/16E-29S01 M	4665.0	11/02/84	58.0	4607.0	2925
		04/18/85	29.0	4636.0	
42N/16E-29B02 M	4650.0	11/31/84	38.0	4612.0	2925
		04/18/85	2.0	4648.0	
42N/16E-29G01 M	4656.6	11/31/84	46.7	4609.9	2925
		04/18/85	44.7	4611.9	
42N/16E-33B02 M	4563.0	10/17/84	13.7	4546.3	5050
		03/26/85	10.7	4549.3	
43N/15E-03L01 M	4595.0	10/31/84	44.0	4551.0	2925
		04/18/85	40.0	4555.0	
43N/15E-05N01 M	4616.0	10/31/84	34.0	4582.0	2925
		04/18/85	39.5	4576.5	
43N/16E-07F01 M	4683.0	10/31/84	19.5	4663.5	2925
		04/18/85	10.0	4673.0	
43N/15E-20D01 M	4690.0	10/31/84	79.0	4611.0	2925
		04/18/85	76.0	4614.0	
43N/16E-20G01 M	4600.0	04/15/85	49.0	4551.0	2925
43N/15E-20P01 M	4585.0	10/31/84	70.5	4514.5	2925
		04/15/85	55.5	4529.5	

TABLE D (CONTINUED)

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION	DATE	GROUND TO WATER	WATER SURFACE ELEV.	AGENCY
G	NORTH LAWONTAN MA				
G-12	SURPRISE VALLEY MU				
G-12.9	CEDARVILLE MA				
43N/16E-28D01 M	4580.0	04/18/85	29.0	4551.0	2925
43N/16E-28M02 M	4585.0	10/31/84	72.5	4512.5	2925
		04/18/85	52.5	4532.5	
43N/16E-29C01 M	4645.0	10/31/84	130.5	4514.5	2925
		04/18/85	88.0	4557.0	
43N/16E-29K01 M	4610.0	10/31/84	97.5	4512.5	2925
		04/18/85	88.0	4522.0	
43N/16E-32K01 M	4640.0	10/18/84	114.5	4525.5	5050
		03/26/85	105.4	4534.6	
43N/17E-20K01 M	4579.0	10/17/84	52.0	4527.0	5050
		03/26/85	48.2	4530.8	
43N/17E-21L01 M	4580.0	10/17/84	52.0	4528.0	5050
		03/26/85	50.0	4530.0	
G-12.C	FORT BIDWELL MA				
43N/18E-06R02 M	4615.0	10/17/84	52.2	4562.8	5050
		03/26/85	39.8	4575.2	
44N/15E-25D01 M	4553.4	10/25/84	23.5	4529.9	2925
		04/18/85	15.5	4537.9	
44N/15E-36D01 M	4640.0	10/17/84	78.5	4561.5	5050
		03/26/85	74.8	4561.2	
44N/16E-31B01 M	4494.3	10/31/84	6.8	4487.5	2925
		04/18/85	4.3	4490.0	
46N/16E-03B01 M	4710.0	10/25/84	161.0	4549.0	2925
		04/18/85	NM-7		
46N/16E-04D01 M	4600.0	10/25/84	59.0	4541.0	2925
		04/18/85	56.0	4544.0	
46N/16E-16B01 M	4512.0	04/18/85	5.0	4507.0	2925
46N/18E-18P01 M	4520.0	10/25/84	15.0	4505.0	2925
		04/18/85	12.5	4507.5	

APPENDIX E

GROUND WATER QUALITY

APPENDIX E
GROUND WATER QUALITY

Appendix E presents the results of chemical analyses of ground water samples collected in Northeastern California from October 1, 1984 to September 30, 1985. The data are grouped in four categories:

Table	Title
E-1	Mineral Analyses of Ground Water
E-2	Minor Element Analyses of Ground Water
E-3	Miscellaneous Analyses of Ground Water
E-4	Nutrient Analyses of Ground Water

Ground water quality stations are listed in the tables by ascending areal code. The areal code is explained on page 2. Areal code numbers appear in the tables to the left of the hydrologic area names, and the data listed thereunder are in that hydrologic area. The number of quality stations precludes plotting each individual well on maps in this publication. Instead, Figure 8 shows the location of the ground water basins in which the water samples were taken.

To facilitate station location, the cross references on the following page relate hydrologic areas to the ground water basins shown on Figure 8 and lists the respective areal codes. The location and definition of any hydrologic area may be determined by entering Figure 2 (page 4) with the respective areal code. The cross reference also lists the page numbers on which the analyses may be found. (The number of pages referenced indicates the extent of analyses for each station.)

The location of a well can be approximated by the well number. The numbering system for the wells is described in Appendix D, page 205.

In order to increase the amount of information in the water quality tables, some columns have multiple headings, and data are tabulated respectively. For example, the first column of Table E-1 shows the date of sampling printed above the time of sampling so the data are tabulated in that order. If a part of the values for a multiple heading column are obtained, they will appear in the column with respect to the heading positions. If dashes (or no data) appear in a column, it means no data were obtained.

Abbreviations and codes used in the tables are explained at the beginning of each table.

Appendix E Cross Reference

Ground Water Basin - Areal Code

Ground Water Basin No.	Name	Hydrologic Area*		Areal Code**	Analysis on pages
		SACRAMENTO	HB	A	262,303, 311,313
		SACRAMENTO DELTA	HU	A-01	262,303
		VALLEY PUTAH-CACHE	HU	A-02	263,303
5-21	Sacramento Valley	Elmira	HA	A-02.A	263,303
5-21	Sacramento Valley	Lower Putah Creek	HA	A-02.B	264
5-21	Sacramento Valley	Lower Cache Creek	HA	A-02.C	264
		PUTAH CREEK	HU	A-03	264
5-18	Coyote Valley	Upper Putah Creek	HA	A-03.B	264
5-19	Collayomi Valley				
5-67	Clear Lake Pleistocene Volcanics				
		CACHE CREEK	HU	A-04	264,303, 313
		Upper Cache Creek	HA	A-04.D	264,303, 313
5-30	Lower Lake Valley	Lower Lake	HSA	A-04.D1	264
5-14	Scott Valley	Lakeport	HSA	A-04.D4	265,303, 313
5-15	Kelseyville Valley (Big Valley)				
5-13	Upper Lake Valley	Upper Lake	HSA	A-04.D5	266
		VALLEY-AMERICAN	HU	A-05	267
5-21	Sacramento Valley	Morrison Creek	HA	A-05.A	267
5-21	Sacramento Valley	Franklin	HSA	A-05.A1	267
5-21	Sacramento Valley	Florin	HSA	A-05.A2	267
5-21	Sacramento Valley	Coon American	HA	A-05.B	267
5-21	Sacramento Valley	Lower American	HSA	A-05.B1	267
5-21	Sacramento Valley	Pleasant Grove	HSA	A-05.B2	267
		COLUSA BASIN	HU	A-07	268,304, 311,313
5-21	Sacrament Valley	Sycamore-Sutter	HA	A-07.A	268
5-21	Sacramento Valley	Glenn-Colusa	HA	A-07.B	269,304, 311,313
5-21	Sacramento Valley	Colusa Trough	HSA	A-07.B1	269,304, 311,313
5-21	Sacramento Valley	Orland	HSA	A-07.B2	270
5-21	Sacramento Valley	Sutter Bypass	HA	A-07.C	270
5-21	Sacramento Valley	Butte Basin	HA	A-07.D	270,304, 311,313
		MARYSVILLE	HU	A-08	273,304, 311,313
5-21	Sacramento Valley	Lower Bear River	HA	A-08.A	273
5-21	Sacramento Valley	Olivehurst	HA	A-08.B	273
5-21	Sacramento Valley	Lower Yuba River	HA	A-08.C	273,304
5-21	Sacramento Valley	Lower Feather River	HA	A-08.D	273,304 311,313
		FEATHER RIVER	HU	A-11	273
		Middle Fork Feather	HA	A-11.C	273
5-11	Mohawk Valley	Sloat	HSA	A-11.C2	273
5-60	Humbug Valley	Sloat	HSA	A-11.C2	273
5-59	Grizzly Valley	Lake Davis	HSA	A-11.C3	273
5-12	Sierra Valley	Sierra Valley	HSA	A-11.C4	273
		North Fork Feather	HA	A-11.D	277
5-7	Lake Almanor Valley	Mount Harkness	HSA	A-11.D4	277
		East Branch North Fork	HA	A-11.E	278
5-10	American Valley	Quincy	HSA	A-11.E2	278
5-9	Indian Valley	Crescent Mills	HSA	A-11.E3	278
		TEHAMA	HU	A-13	278,304, 311,313
5-21	Sacramento Valley	Lower Stony Creek	HA	A-13.A	278,313
5-21	Sacramento Valley	Red Bluff	HA	A-13.B	279,304, 311,313,
		STONEY CREEK	HU	A-14	286,305
5-63	Stoneyford Town Area	Fout Springs	HA	A-14.C	286,305
5-63	Stoneyford Town Area	Middle Fork Stoney	HSA	A-14.C1	286,305
		REDDING	HU	A-17	286
5-6	Redding Basin	Enterprise Flat	HA	A-17.A	286
5-6	Redding Basin	Lower Cottonwood	HA	A-17.B	287
		PIT RIVER	HU	A-23	287
		McArthur	HA	A-23.C	287
5-5	Fall River Valley	Big Lake	HSA	A-23.C1	287
5-40	Hot Springs Valley	Big Lake	HSA	A-23.C1	287
		Big Valley	HA	A-23.D	287
5-4	Big Valley	Bieber	HSA	A-23.D1	287
		Upper Pit River	HA	A-23.E	288
5-2	Alturas Basin	Canby	HSA	A-23-E	288
5-2.01	S. Fork Pit River and Alturas Area	Alturas	HSA	A-23.E2	288
		LAKEVIEW	HU	A-24	289
5-1	Goose Lake Valley	Davis Creek	HA	A-24.A	289
		SAN JOAQUIN	HB	B	290,306
5-22	San Joaquin Valley	SAN JOAQUIN DELTA	HU	B-01	290,306
5-22	San Joaquin Valley	NORTH DIABLO RANGE	HU	B-02	292
5-22	San Joaquin Valley	NORTH VALLEY FLOOR	HU	B-03	292,306
5-22	San Joaquin Valley	Lower Consumnes - Dry	HA	B-03.A	292
5-22	San Joaquin Valley	Herald	HSA	B-03.A2	292
5-22	San Joaquin Valley	Lower Mokelumne	HA	B-03.B	293,306
5-22	San Joaquin Valley	Lower Calaveras	HA	B-03.C	293,306
5-22	San Joaquin Valley	Duck-Littlejohns	HA	B-03.D	294,307
		MIDDLE SIERRA	HU	B-04	295,307
		Sutter Creek	HA	B-04.B	295,307
		NORTH LAHONTAN	HB	G	296,308, 317
		SUSANVILLE	HU	G-08	296,308 317
6-4	Honey Lake Valley	Herlong	HA	G-08.A	296,308
6-4	Honey Lake Valley	Susan River	HA	G-08.B	297,308
6-92	Pine Creek Valley	Eagle Drainage	HA	G-08.C	299,308, 317
6-93	Harvey Valley	Antelope Mountain	HSA	G-08.C1	300,308, 317
6-100	Secret Valley	Snow Storm Mountain	HA	G-08.D	300
6-103	Modoc Plateau Pleistocene Volcanic Area				
6-2	Madeline Plains	MADELINE PLAINS	HU	G-10	300
6-1	Surprise Valley	SURPRISE VALLEY	HU	G-12	300
6-1	Surprise Valley	Bare Creek	HA	G-12.A	300
6-1	Surprise Valley	Cedarville	HA	G-12.B	300
6-1	Surprise Valley	Fort Bidwell	HA	G-12.C	301

*See page 2.
**See figure 2.

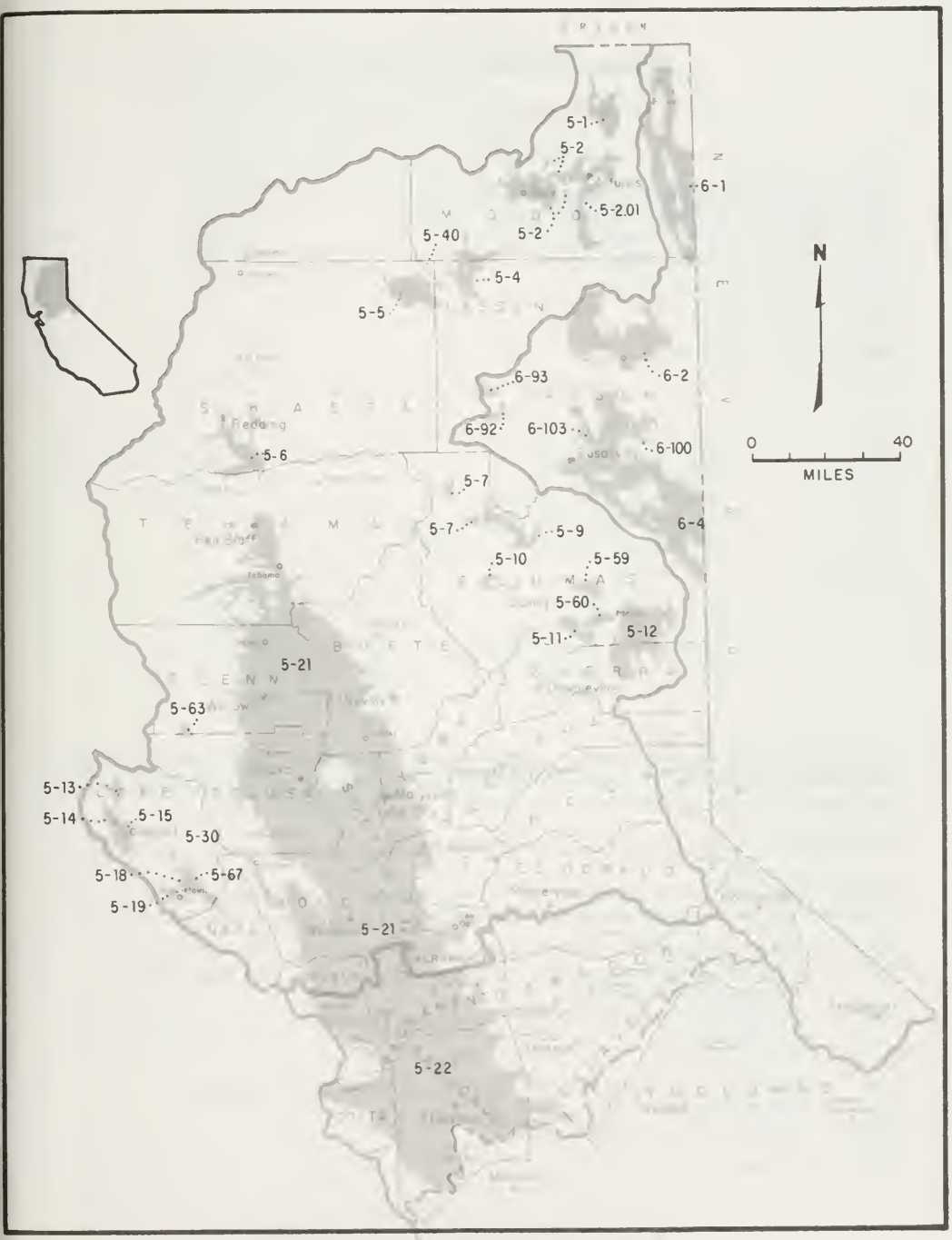

Figure 8 LOCATION OF GROUND WATER BASINS - QUALITY

TABLE E-I
MINERAL ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

2328- Butte County
5050 - California Department of Water Resources
5060 - California Department of Health, Berkeley Laboratory
5684 - Sierra Environmental Monitoring Laboratory
5701 - California Water Service Company
5867 - Fruit Growers Laboratory
7748 - California Department of Forestry
8200 - Colusa County
9580 - Monarch Laboratory

Abbreviations and Constituents

TIME	-	Pacific Standard Time on a 24-hour clock
TEMP	-	Water temperature at time of sampling in degrees Fahrenheit (F) or Celcius (C)
Field	-	Determined in the field
Laboratory	-	Determined in the laboratory
pH	-	Measure of acidity or alkalinity of water
EC	-	Electrical conductance in microsiemens at 25°C

Constituents:

B	-	Boron	K	-	Potassium
CA	-	Calcium	MG	-	Magnesium
CACO3	-	Calcium Carbonate	NA	-	Sodium
CL	-	Chloride	NO3	-	Nitrate
F	-	Fluoride	SIO2	-	Silica
			SO4	-	Sulfate

Boron, Fluoride, and Silica are reported in milligrams per liter. The other minerals are reported in each of three units: milligrams per liter, milliequivalents per liter, and percent reactance value; accordingly, each observation can use three lines of tabulation.

MILLIEQUIVALENTS PER LITER is the concentration in Mg/l divided by the equivalent weight of the ion.

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.

TURB	-	Jackson turbidity units measured with a Hach nephelometer (A); if in the field, (F)
TDS	-	Gravimetric determination of total dissolved solids at 180°C (value followed by * is a determination at 105°C)
SUM	-	Total dissolved solids by summation of analyzed constituents minus 40 percent of the carbonate weight
TH	-	Total hardness
NCH	-	Noncarbonate hardness - any excess of total hardness over total alkalinity
SAR	-	Sodium adsorption ratio
ASAR	-	Adjusted sodium adsorption ratio

(Continued on next page)

REM - Remarks; code letters are:

T - Total dissolved solids and the calculated sum of constituents are not within 20 percent of each other.

S - The anion sum and cation sum for a complete analysis is not within the prescribed tolerance of $\pm$ 5 percent.

X - The field EC and the lab EC are not within 20 percent of each other.

C - The electrical conductivity divided by the EC-EPM factor (or, if absent, 100) is not within 20 percent of the average of the cation sum and anion sum for complete analysis.

E - Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity.

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER	MILLIGRAMS PER LITER			
	A				SACRAMENTO NA															
	A-01				SACRAMENTO DELTA HU															
	05N/01E-23R01 M																			
07/24/85	5050			8.5	8.28	6.0	8.0	17.0	--	3.01	--	26	--	--	--			4.8	10.7	
1245	5050			9.0	8.09	.30	.66	7.40		6.01		.73			--			0	17.2	
						.4	.8	8.9												S
	05N/05E-17L02 M																			
02/20/85	5050				1162	--	--	--	--	--	--	--	--	--	--	--				
1525	0000															--				
																				S
04/24/85	5050				1244	--	--	--	--	--	--	--	--	--	--	--				
1600	0000															--				
																				S
06/04/85	5050				1256	--	--	--	--	--	--	--	--	--	--	--				
0930	0000															--				
																				S
07/02/85	5050				1294	--	--	--	--	--	--	--	--	--	--	--				
1300	0000															--				
																				S
07/31/85	5050				1324	--	--	--	--	--	--	--	--	--	--	--				
1530	0000															--				
																				S
	05N/05E-17N01 M																			
02/20/85	5050				1006	--	--	--	--	--	--	--	--	--	--	--				
1415	0000															--				
																				S
04/24/85	5050				1134	--	--	--	--	--	--	--	--	--	--	--				
1345	0000															--				
																				S
06/03/85	5050				1186	--	--	--	--	--	--	--	--	--	--	--				
1100	0000															--				
																				S
07/02/85	5050				1122	--	--	--	--	--	--	--	--	--	--	--				
1430	0000															--				
																				S
07/31/85	5050				1138	--	--	--	--	--	--	--	--	--	--	--				
1015	0000															--				
																				S
	05N/05E-17N02 N																			
02/20/85	5050				1454	--	--	--	--	--	--	--	--	--	--	--				
1430	0000															--				
																				S
04/24/85	5050				1304	--	--	--	--	--	--	--	--	--	--	--				
1515	0000															--				
																				S
06/04/85	5050				1324	--	--	--	--	--	--	--	--	--	--	--				
0945	0000															--				
																				S
07/02/85	5050				1356	--	--	--	--	--	--	--	--	--	--	--				
1400	0000															--				
																				S
07/31/85	5050				1318	--	--	--	--	--	--	--	--	--	--	--				
1640	0000															--				
																				S
	05N/05E-18001 M																			
02/20/85	5050				1001	--	--	--	--	--	--	--	--	--	--	--				
1215	0000															--				
																				S
04/24/85	5050				958	--	--	--	--	--	--	--	--	--	--	--				
1100	0000															--				
																				S
06/03/85	5050				948	--	--	--	--	--	--	--	--	--	--	--				
1315	0000															--				
																				S
07/01/85	5050				937	--	--	--	--	--	--	--	--	--	--	--				
0930	0000															--				
																				S
07/31/85	5050				807	--	--	--	--	--	--	--	--	--	--	--				
0900	0000															--				
																				S
	05N/05E-18R01 M																			
02/20/85	5050				1142	--	--	--	--	--	--	--	--	--	--	--				
1315	0000															--				
																				S
04/24/85	5050		65	F	955	--	--	--	--	--	--	--	--	--	--	--				
1015	0000		18	C												--				
																				S
06/03/85	5050				945	--	--	--	--	--	--	--	--	--	--	--				
1410	0000															--				
																				S
07/01/85	5050				891	--	--	--	--	--	--	--	--	--	--	--				
1015	0000															--				
																				S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS	TH NCH	SAR ASAR	REM
			LABORATORY		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER	MILLIEQUIVALENTS PER LITER			MILLIGRAMS PER LITER					
									PERCENT REACTANCE VALUE									
	A		SACRAMENTO HR															
	A-01		SACRAMENTO DELTA MU															
	05N/05E-18R01 M																	
07/31/85	5050			914	--	--	--	--	--	--	--	--	--	--				
0930	0000													--				
																		S
	05N/05E-19D01 M																	
02/20/85	5050			347	--	--	--	--	--	--	--	--	--	--				
1115	0000													--				
																		S
04/24/85	5050			316	--	--	--	--	--	--	--	--	--	--				
1300	0000													--				
																		S
06/04/85	5050			328	--	--	--	--	--	--	--	--	--	--				
0800	0000													--				
																		S
07/02/85	5050			341	--	--	--	--	--	--	--	--	--	--				
1500	0000													--				
																		S
07/31/85	5050			342	--	--	--	--	--	--	--	--	--	--				
1600	0000													--				
																		S
	07N/04E-11G02 M																	
07/17/85	5050		7.9	2018	91	36	262	--	159	--	556	--	--	--		375	5.9	
1530	5050		8.1	2120	4.54	2.96	11.40		3.18		15.68			--		216	12.6	
					24	16	60											S
	A-02		VALLEY PUTAH-CACHE MU															
	A-02.A		ELMIRA MA															
	04N/01E-01J01 M																	
07/23/85	5050	68 F	8.2	1740	58	101	126	--	220	--	353	--	--	--		560	2.3	
1345	5050	20 C	7.7	1710	2.89	8.31	5.48		4.40		9.95			--		340	5.7	
					17	50	33											S
	04N/03F-31F02 M																	
07/18/85	5050	64 F	8.3	876	16	17	145	--	269	--	94	--	--	--		110	6.0	
1430	5050	18 C	8.8	861	.80	1.40	6.31		5.37		2.65			--		0	11.5	
					9	16	74											S
	06N/01E-13J02 M																	
07/24/85	5050		8.0	530	15	15	84	--	234	--	18	--	--	--		99	3.7	
1200	5050		8.4	531	.75	1.23	3.65		4.68		.51			--		0	6.8	
					13	22	65											S
	06N/01E-19D01 M																	
07/24/85	5050		7.2	920	42	30	68	--	208	--	68	--	--	--		229	2.0	
0930	5050		8.0	816	2.10	2.47	2.96		4.16		1.92			--		21	4.2	
					28	33	39											S
	06N/02E-19J01 M																	
07/23/85	5050	65 F	7.9	1410	33	106	125	.4	378	97	169	29.0	.4	--	808	519	2.4	
1030	5050	18 C	8.3	1390	1.65	8.72	5.44	.01	7.55	2.02	4.77	.47		--	786	141	6.4	
					10	55	34	0	51	14	32	3						S
	07N/01E-08N02 M																	
07/24/85	5050		8.1	362	24	18	28	--	174	--	7.0	--	--	--		134	1.1	
1400	5050		8.4	357	1.20	1.48	1.22		3.48		.20			--		0	2.0	
					31	38	31											S
	07N/01E-14J01 M																	
06/19/85	5701	64 F			75	64	47	1.3	445	36	16	44.0	--	.1		450	1.0	
1457	5701	18 C	7.6	945	3.74	5.26	2.04	.03	8.89	.75	.45	.71		34.0	584	6	2.6	
					34	48	18	0	82	7	4	7						
	07N/01E-14N03 M																	
06/19/85	5701	64 F			45	47	29	1.2	305	28	13	22.0	--	.1		307	0.7	
0945	5701	18 C	7.7	690	2.25	3.87	1.26	.03	6.09	.58	.37	.35		32.0	400	2	1.8	
					30	52	17	0	82	8	5	5						
	07N/01E-23D02 M																	
06/19/85	5701	70 F			27	25	60	1.2	257	20	13	17.0	--	.1		171	2.0	
1405	5701	21 C	7.9	575	1.35	2.06	2.61	.03	5.13	.42	.37	.27		32.0	349	0	4.2	
					22	34	43	0	83	7	6	4						
	07N/02E-02D01 M																	
08/02/85	5050	64 F	7.5	1332	18	116	72	--	512	--	60	--	--	--		522	1.4	
1000	5050	18 C	8.6	1200	.90	9.54	3.13		10.23		1.69			--		11	3.9	
					7	70	23											S
	07N/02E-06N01 M																	
07/23/85	5050	70 F	7.5	872	56	69	44	1.9	408	36	14	26.0	.7	--	508	424	0.9	
1200	5050	21 C	8.4	822	2.79	5.67	1.91	.05	8.15	.75	.39	.42		--	492	16	2.5	C
					27	54	18	0	84	6	4	4						S
	07N/02E-34C02 M																	
07/23/85	5050	64 F	7.5	1080	31	89	60	--	369	--	42	--	--	--		444	1.2	
1500	5050	18 C	8.1	967	1.55	7.32	2.61		7.37		1.18			--		75	3.3	
					14	64	23											S
	07N/03E-06R01 M																	
08/20/85	5050	66 F	7.9	895	34	80	55	--	430	--	30	--	--	--		414	1.2	
0930	5050	19 C	8.7	930	1.70	6.58	2.39		8.99		.85			--		0	3.2	
					16	62	22											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	A		SACRAMENTO MR															
	A-02		WALLEY PUTAH-CACHE HU															
	A-02.A		ELMIRA MA															
	06N/01W-01R04 M																	
07/24/85	5050		7.5	729	42	27	52	--	217	--	51	--	--	--		216	1.5	
1015	5050		8.1	659	2.10	2.22	2.26		4.34		1.44			--		0	3.3	
					32	34	34											5
	06N/01W-23L01 M																	
07/24/85	5050	67 F	7.6	541	32	19	51	--	196	--	13	--	--	--		158	1.8	
0845	5050	19 C	8.1	513	1.60	1.56	2.22		3.92		.37			--		0	3.5	
					30	29	41											5
	07N/01W-14P03 M																	
07/24/85	5050	74 F	7.5	375	41	7.0	27	--	154	--	9.0	--	--	--		131	1.0	
1540	5050	23 C	8.3	371	2.05	.58	1.17		3.08		.25			--		0	1.9	
					54	15	31											5
	08N/01W-28J01 M																	
07/24/85	5050	65 F	7.3	397	22	31	11	--	188	--	5.0	--	--	--		181	0.4	
1445	5050	18 C.	8.4	387	1.10	2.55	.48		3.76		.14			--		0	0.7	
					27	62	12											5
	A-02.8		LOWER PUTAH CREEK MA															
	08N/02E-13H02 M																	
08/20/85	5050	64 F	7.7	1768	20	148	98	2.3	340	242	206	26.0	.7	--	1080	660	1.7	
1000	5050	18 C	8.3	1780	1.00	12.17	4.26	.06	6.79	5.04	5.81	.42		--	947	319	4.5	
					6	70	24	0	38	28	32	2						5
	08N/01W-20J02 M																	
08/20/85	5050	68 F	8.1	413	31	22	26	--	150	--	23	--	--	--		168	0.9	
1130	5050	20 C	8.6	441	1.55	1.81	1.12		3.00		.65			--		16	1.7	
					35	40	25											5
	09N/01W-21E01 M																	
08/20/85	5050	65 F	7.5	658	72	30	26	--	273	--	31	--	--	--		303	0.7	
1230	5050	18 C	8.6	660	3.59	2.47	1.13		5.45		.87			--		31	1.5	
					50	34	16											5
	A-02.C		LOWER CACHE CREEK MA															
	10N/01W-02001 M																	
08/21/85	5050	68 F	8.3	353	17	14	43	--	167	--	10	--	--	--		100	1.9	
1115	5050	20 C	8.6	381	.85	1.15	1.87		3.34		.28			--		0	3.2	
					22	30	48											5
	10N/02W-01M02 M																	
08/21/85	5050	66 F	7.9	528	44	26	33	--	219	--	28	--	--	--		217	1.0	
1030	5050	19 C	8.6	553	2.20	2.14	1.44		4.38		.79			--		0	2.1	
					38	37	25											5
	A-03		PUTAH CREEK HU															
	A-03.8		UPPER PUTAH CREEK MA															
	10N/07W-03L04 M																	
08/20/85	5050	64 F	6.9	294	11	29	6.0	--	147	--	3.0	--	--	--		147	0.2	
1030	5050	18 C	8.6	297	.55	2.38	.26		2.94		.08			--		0	0.4	
					17	75	8											5
	11N/06W-19P02 M																	
08/20/85	5050	63 F	7.1	527	12	64	4.0	--	268	--	4.0	--	--	--		294	0.1	
1315	5050	17 C	8.7	520	.60	5.26	.17		5.75		.11			--		6	0.2	
					10	87	3											5
	11N/07W-33J02 M																	
08/20/85	5050	64 F	6.7	198	10	17	4.0	--	98	--	2.0	--	--	--		95	0.2	
1145	5050	18 C	8.5	202	.50	1.40	.17		1.96		.06			--		0	0.3	
					24	68	8											5
	11N/07W-35E01 M																	
08/20/85	5050	66 F	7.1	291	10	26	1C	1.2	139	10	4.0	2.6	.0	--	179	132	0.4	
1230	5050	19 C	8.6	293	.50	2.14	.44	.03	2.78	.21	.11	.04		--	147	0	0.7	
					16	69	14	1	89	7	4	1						
	A-04		CACHE CREEK HU															
	A-04.0		UPPER CACHE CREEK MA															
	A-04.01		LOWER LAKE MSA															
	12N/07W-01M02 M																	
07/24/85	5050	61.0F	6.5	395	--	--	--	--	--	--	--	--	--	--				
0910	0000	17.2C												--				
	12N/07W-13N01 M																	
07/25/85	5050	66.0F	6.6	480	--	--	--	--	--	--	--	--	--	--				
0930	0000	18.9C												--				
	12N/07W-14C02 M																	
07/24/85	5050		7.0	700	34	20	83	.4	144	152	20	23.0	.1	--	456	147	2.8	
0840	5050		8.6	687	1.70	1.64	3.61	.01	2.88	3.16	.56	.37		--	419	23	5.2	
					24	24	52	0	41	45	8	5						
	12N/07W-14F01 M																	
07/24/85	5050	69.0F	7.0	1900	--	--	--	--	--	--	--	--	--	--				
0610	0000	20.5C												--				
																		5
	13N/07W-15J02 M																	
07/23/85	5050	68.0F	7.1	410	--	--	--	--	--	--	--	--	--	--				
1645	0000	20.0C												--				
																		5

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER										MILLIGRAMS PER LITER			
							MILLIEQUIVALENTS PER LITER													
							PERCENT REACTANCE VALUE													
	A		SACRAMENTO HB																	
	A-04		CACHE CREEK NU																	
	A-04.0		UPPER CACHE CREEK HA																	
	A-04.01		LOWER LAKE HSA																	
	13N/07W-15H01 M																			
07/23/85	5050				6.8	220	14	7.0	26	.6	88	4.0	13	8.8	.7	--	158	64	1.4	
1740	5050				8.4	237	.70	.58	1.13	.02	1.76	.08	.37	.14		--	127	0	1.8	
							29	24	47	1	75	3	16	6						
	13N/07W-21J02 M																			
07/23/85	5050				6.9	610	--	--	--	--	--	--	--	--	--	--				
1720	0000															--				
	13N/07W-22R03 M																			
07/23/85	5050				6.8	500	37	25	27	1.4	193	--	18	27.0	--	--		196	0.8	
1700	0000				8.7	480	1.85	2.06	1.17	.04	3.86		.51	.44		--		3	1.7	
							36	40	23	1										S
	A-04.04		LAKEPORT HSA																	
	11N/08W-05R01 M																			
10/03/84	5050		60.8F	7.3	381		29	16	9.0	.7	--	18	3.0	--	.0	--		139	0.0	
1600	5050		16.0C				1.45	1.32	.39	.02		.37	.08			--				
							46	42	12	1										S
12/04/84	5050		59.0F	7.2	390		45	16	9.0	.8	--	24	2.0	--	.1	--		178	0.0	
1230	5050		15.0C				2.25	1.32	.39	.02		.50	.06			--				
							57	33	10	1										S
02/05/85	5050		59.9F	7.3	395		41	16	9.0	.7	--	21	3.0	--	.1	--		168	0.0	
1430	5050		15.5C				2.05	1.32	.39	.02		.44	.08			--				
							54	35	10	1										S
04/03/85	5050		59.9F	7.2	375		36	16	10	--	--	19	3.0	--	.1	--		156	0.0	
1040	5050		15.5C				1.80	1.32	.44			.40	.08			--				
							51	37	12											S
06/04/85	5050		60.8F	7.2	395		46	16	11	--	--	19	5.0	--	.1	--		181	0.0	
1430	5050		16.0C				2.30	1.32	.48			.40	.14			--				
							56	32	12											S
08/07/85	5050		60.8F	7.1	395		36	16	10	--	--	17	3.0	--	.1	--		156	0.0	
1130	5050		16.0C				1.80	1.32	.44			.35	.08			--				
							51	37	12											S
	11N/08W-05C01 M																			
10/03/84	5050		67.1F	7.4	341		22	10	25	1.0	--	4.0	3.0	--	.3	--		96	0.0	
1540	5050		19.5C				1.10	.82	1.09	.03		.08	.08			--				
							36	27	36	1										S
12/04/84	5050		62.6F	7.3	340		36	11	24	1.1	--	4.0	3.0	--	.4	--		135	0.0	
1300	5050		17.0C				1.60	.90	1.04	.03		.08	.08			--				
							48	24	28	1										S
02/05/85	5050		42.8F	7.2	357		37	11	24	1.0	--	3.0	3.0	--	.3	--		138	0.0	
1330	5050		6.0C				1.65	.90	1.04	.03		.06	.08			--				
							48	24	27	1										S
04/03/85	5050		65.3F	7.4	355		37	13	28	--	--	3.0	3.0	--	.3	--		146	0.0	
0915	5050		18.5C				1.85	1.07	1.22			.10	.08			--				
							45	26	29											S
06/04/85	5050		67.1F	7.2	345		32	11	24	--	--	4.0	3.0	--	.3	--		125	0.0	
1345	5050		19.5C				1.60	.90	1.04			.08	.08			--				
							45	25	29											S
08/07/85	5050		78.8F	7.2	340		36	11	24	--	--	3.0	3.0	--	.4	--		135	0.0	
1030	5050		26.0C				1.80	.90	1.04			.10	.08			--				
							48	24	28											S
	11N/08W-05G01 M																			
10/03/84	5050		64.4F	6.6	187		14	11	7.0	.5	--	3.0	3.0	--	.0	--		80	0.0	
1440	5050		18.0C				.70	.90	.30	.01		.10	.08			--				
							37	47	16	1										S
12/04/84	5050		51.8F	6.8	85		6.0	3.0	3.0	.2	--	3.0	2.0	--	.1	--		36	0.0	
1340	5050		11.0C				.30	.41	.13	.01		.06	.06			--				
							35	48	15	1										S
02/05/85	5050		39.2F	6.3	98		7.0	6.0	4.0	.4	--	3.0	2.0	--	.0	--		42	0.0	
1400	5050		4.0C				.35	.49	.17	.01		.06	.06			--				
							34	48	17	1										S
04/03/85	5050		50.9F	6.2	104		6.0	5.0	3.0	--	--	2.0	1.0	--	.0	--		36	0.0	
0900	5050		10.5C				.30	.41	.13			.04	.03			--				
							36	49	15											S
06/04/85	5050		59.9F	6.3	137		9.0	8.0	5.0	--	--	2.0	2.0	--	.0	--		56	0.0	
1400	5050		15.5C				.45	.66	.22			.04	.06			--				
							34	50	17											S
08/07/85	5050		68.9F	6.6	165		11	9.0	7.0	--	--	4.0	4.0	--	.0	--		64	0.0	
1110	5050		20.5C				.55	.74	.30			.08	.11			--				
							35	47	19											S
	11N/08W-05K01 M																			
10/03/84	5050		57.2F	6.8	232		33	7.0	8.0	1.3	--	6.0	2.0	--	.0	--		112	0.0	
1430	5050		14.0C				1.65	.58	.35	.03		.12	.06			--				
							63	22	13	1										S
12/04/84	5050		41.9F	6.0	70		7.0	2.0	5.0	.7	--	2.0	1.0	--	.1	--		26	0.0	
1355	5050		5.5C				.35	.16	.22	.02		.04	.03			--				
							47	21	29	3										S
02/05/85	5050		39.2F	6.4	189		20	5.0	8.0	1.2	--	13	2.0	--	.0	--		70	0.0	
1415	5050		4.0C				1.00	.41	.35	.03		.27	.06			--				
							56	23	20	2										S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	THRP	STOP	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE					MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER				
	A	SACRAMENTO MA																
	A-04	CACHE CREEK MU																
	A-04.0	UPPER CACHE CREEK MA																
	A-04.04	LAKEPORT M5A																
	11N/08W-05H01 M									CONTINUED								
04/03/85	5050	49.1F	6.0	81	7.0	3.0	5.0	--	--	2.0	2.0	--	.0	--		30	0.0	
0845	5050	9.5C			.35	.25	.22			.04	.06			--				
					43	30	27											5
06/04/85	5050	54.5F	6.7	275	33	7.0	8.0	--	--	20	2.0	--	.0	--		112	0.0	
1415	5050	12.5C			1.65	.58	.35			.42	.06			--				
					64	22	14											5
	11N/08W-06H01 M																	
10/03/84	5050	57.2F	7.2	297	23	24	5.0	.2	--	3.0	2.0	--	.0	--		156	0.0	
1515	5050	14.0C			1.15	1.97	.22	.01		.06	.06			--				
					34	59	7	0										5
12/04/84	5050	56.3F	7.3	260	22	23	5.0	.3	--	4.0	1.0	--	.0	--		150	0.0	
1315	5050	13.5C			1.10	1.89	.22	.01		.08	.03			--				
					34	59	7	0										5
02/04/85	5050	56.3F	7.2	299	22	23	5.0	.3	--	3.0	2.0	--	.0	--		150	0.0	
1315	5050	13.5C			1.10	1.89	.22	.01		.06	.06			--				
					34	59	7	0										5
04/03/85	5050	56.3F	7.5	277	24	25	5.0	--	--	3.0	1.0	--	.0	--		163	0.0	
0945	5050	13.5C			1.20	2.06	.22			.06	.03			--				
					34	59	6											5
06/04/85	5050	56.3F	7.0	321	22	23	5.0	--	--	3.0	2.0	--	.0	--		150	0.0	
1330	5050	13.5C			1.10	1.89	.22			.06	.06			--				
					34	59	7											5
08/07/85	5050	58.1F	7.0	325	23	23	5.0	--	--	3.0	2.0	--	.0	--		152	0.0	
1100	5050	14.5C			1.15	1.89	.22			.10	.06			--				
					35	58	7											5
	13N/09W-02G03 M																	
08/26/85	5050	62.0F	7.0	850	38	84	--	--	--	--	12	33.0	.1	--		441		
1330	5050	16.7C		790	1.90	6.91					.34	.93		--				
																		5
	13N/09W-02G04 M																	
08/26/85	5050	62.0F	7.0	850	39	86	12	1.1	383	56	13	33.0	.1	--	483	452	0.2	
1339	5050	16.7C	8.6	815	1.95	7.07	.52	.03	7.65	1.17	.37	.53		--	470	69	0.7	
					20	74	5	0	76	12	4	5						
	13N/09W-09P02 M																	
07/23/85	5050		7.0	980	27	79	22	1.0	264	--	39	31.0	--	--		376	0.5	
1020	5050		8.1	891	1.35	6.17	.96	.03	5.27		1.10	.50		--		113	1.2	
					16	73	11	0										5
	13N/09W-16D03 M																	
07/23/85	5050	68.0F	7.2	580	--	--	--	--	--	--	--	--	--	--				
0805	0000	20.0C												--				
																		5
	13N/09W-21P02 M																	
07/23/85	5050	72.0F	7.1	650	--	--	--	--	--	--	--	--	--	--				
0920	0000	22.2C												--				
																		5
	13N/09W-22C03 M																	
07/23/85	5050	72.0F	7.4	700	--	--	--	--	--	--	--	--	--	--				
0940	0000	22.2C												--				
																		5
	13N/09W-22J01 M																	
07/23/85	5050	65.0F	7.1	540	--	--	--	--	--	--	--	--	--	--				
1000	0000	18.3C												--				
																		5
	14N/09W-32J01 M																	
07/23/85	5050	62.0F	7.0	1020	--	--	--	--	--	--	--	--	--	--				
0650	0000	16.7C												--				
																		5
	14N/10W-14E03 M																	
07/23/85	5050	59.0F	7.0	230	--	--	--	--	--	--	--	--	--	--				
1100	0000	15.0C												--				
																		5
	A-04.05	UPPER LAKE M5A																
	15N/09W-07B01 M																	
07/23/85	5050	64.0F	6.6	320	23	18	15	--	196	--	3.0	--	--	--		132	0.6	
1410	5050	17.8C	8.5	301	1.15	1.44	.65		3.92		.08			--		0	1.1	
					35	45	20											5
	15N/09W-27E01 M																	
07/23/85	5050		7.9	260	--	--	--	--	--	--	--	--	--	--				
1510	0000													--				
																		5
	15N/09W-31P02 M																	
07/23/85	5050	71.0F	7.3	830	--	--	--	--	--	--	--	--	--	--				
1205	0000	21.6C												--				
																		5
	15N/10W-03C01 M																	
07/23/85	5050	72.0F	7.0	440	44	24	9.0	--	196	--	11	4.0	--	--		209	0.3	
1310	5050	22.2C	8.6	417	2.20	1.97	.39		3.92		.31	.08		--		13	0.6	
					48	43	9											5

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TURB	SIO2	R SUM	F NCH	TDS	TH	SAR ASAR	REP
	4	SACRAMENTO HR																			
	A-04	CACHE CREEK HU																			
	A-04.0	UPPER CACHE CREEK HA																			
	A-04.05	UPPER LAKE HSA																			
	15N/10W-13A01 M																				
07/23/85	5050		64.0F	7.0	270	--	--	--	--	--	--	--	--	--	--						
1230	0000		18.3C												--						
																					S
	15N/10W-13A02 M																				
07/23/85	5050		70.0F	7.1	280	--	--	--	--	--	--	--	--	--	--						
1250	0000		21.1C												--						
																					S
	16N/09W-31L03 M																				
07/23/85	5050		70.0F	6.8	210	--	--	--	--	--	--	--	--	--	--						
1300	0000		21.1C												--						
																					S
	A-05	VALLEY-AMERICAN HU																			
	A-05.A	MORRISON CREEK HA																			
	A-05.A1	FRANKLIN HSA																			
	05N/09E-10C01 M																				
07/17/85	5050		66 F	7.9	345	29	16	28	1.9	178	6.0	11	.0	.1	--	238	139	1.0			
0914	5050		19 C	8.0	371	1.43	1.32	1.22	.05	3.56	.12	.31	.00		--	190	0	2.0			
						36	33	30	1	89	3	8	0								
	07N/05E-31C01 M																				
07/17/85	5050		68 F	7.9	433	49	16	28	3.0	171	7.0	39	.1	.0	--	265	188	0.9			
0930	5050		20 C	8.1	459	2.45	1.32	1.22	.08	3.42	.15	1.10	.00		--	245	16	1.8			
						48	26	24	2	73	3	24	0								S
	07N/06E-10D01 M																				
07/17/85	5050			7.3	205	13	8.0	20	--	89	--	9.0	--	--	--		66	1.1			
1115	5050			8.0	219	.65	.66	.87		1.78		.25			--		0	1.4			
						30	30	40													S
	A-05.A2	FLORIN HSA																			
	07N/05E-03N01 P																				
07/18/85	5050		67 F	7.9	177	14	9.0	15	--	71	--	9.0	--	--	--		72	0.8			
0745	5050		19 C	8.2	192	.70	.74	.65		1.42		.25			--		1	1.0			
						33	33	31													S
	08N/05E-06H01 M																				
07/18/85	5050		67 F	7.9	564	30	33	26	--	227	--	51	--	--	--		261	0.7			
0830	5050		19 C	8.2	608	2.50	2.71	1.13		4.54		1.44			--		34	1.6			
						39	43	18													S
	09N/06E-34R01 M																				
07/17/85	5050		67 F	7.3	284	30	14	13	--	112	--	10	--	--	--		133	0.9			
1400	5050		19 C	8.0	298	1.50	1.15	.57		2.24		.28			--		21	0.6			
						47	36	18													S
	A-05.B	COON-AMERICAN HA																			
	A-05.B1	LOWER AMERICAN HSA																			
	09N/05E-36R01 M																				
07/17/85	5050		68 F	7.9	251	23	12	10	--	105	--	7.0	--	--	--		107	0.4			
1430	5050		20 C	8.1	265	1.15	.99	.44		2.10		.20			--		2	0.7			
						45	38	17													S
	10N/05E-06M02 M																				
07/18/85	5050		67 F	7.9	360	28	12	34	--	138	--	28	--	--	--		120	1.4			
1245	5050		19 C	7.5	381	1.40	.99	1.48		2.76		.79			--		0	2.3			
						36	26	38													S
	10N/05E-17M01 M																				
07/18/85	5050			7.7	301	18	12	27	--	84	--	40	--	--	--		94	1.2			
1130	5050			8.2	324	.90	.99	1.17		1.68		1.13			--		11	1.7			
						29	32	38													S
	10N/06E-05K01 M																				
07/19/85	5050			7.3	183	12	8.0	15	--	68	--	14	--	--	--		63	0.8			
1030	5050			7.8	193	.60	.66	.65		1.36		.39			--		0	1.0			
						31	35	34													S
	11N/04E-35J01 M																				
07/30/85	5050		69 F	8.3	288	23	9.0	31	--	122	--	22	--	--	--		94	1.4			
0900	5050		21 C	8.4	314	1.15	.74	1.35		2.44		.62			--		0	2.2			
						35	23	42													S
	A-05.B2	PLEASANT GROVE HSA																			
	11N/03E-24D01 M																				
07/24/85	5050		65 F	7.9	581	25	26	55	1.6	244	14	25	.4	.2	--	337	170	1.8			
1100	5050		18 C	8.3	572	1.25	2.14	2.39	.05	4.88	.29	.71	.01		--	294	0	3.8			
						21	37	41	1	83	5	12	0								
	11N/04E-04R02 M																				
07/30/85	5050		67 F	7.5	540	45	30	32	--	240	--	33	--	--	--		236	0.9			
1314	5050		19 C	6.7	577	2.25	2.47	1.39		4.80		.93			--		0	2.0			
						37	40	23													S
	11N/04E-23P02 M																				
07/30/85	5050		68 F	7.9	349	29	14	28	1.3	152	3.0	24	7.5	.1	--	252	130	1.1			
0935	5050		20 C	8.3	374	1.45	1.15	1.22	.03	3.04	.06	.68	.12		--	198	0	1.9	T		
						38	30	32	1	78	2	17	3								
	11N/05E-17E02 M																				
07/19/85	5050		69 F	7.9	281	20	12	24	--	97	--	23	--	--	--		100	1.0			
1115	5050		21 C	7.8	286	1.00	.99	1.04		1.94		.65			--		3	1.6			
						33	33	34													S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER P TJRB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	A		SACRAMENTO HB															
	A-05		VALLEY-AMERICAN HU															
	A-05.B		COON-AMERICAN HA															
	A-05.B2		PLEASANT GROVE HSA															
	11N/06E-16M01 M																	
07/19/85	5050		6.9	436	27	14	54	--	96	--	67	--	--	--		125	2.1	
1515	5050		8.0	466	1.35	1.15	2.35		1.92		1.89			--		29	3.3	
					28	24	48											S
	11N/06E-34H01 M																	
07/19/85	5050	68 F	7.5	281	22	11	22	--	113	--	16	--	--	--		100	1.0	
0910	5050	20 C	7.8	299	1.10	.90	.96		2.26		.45			--		0	1.5	
					37	30	32											S
	12N/04E-25M01 M																	
07/30/85	5050	65 F	7.7	469	44	30	18	--	217	--	24	--	--	--		234	0.5	
1015	5050	18 C	8.4	500	2.20	2.47	.78		4.34		.68			--		17	1.1	
					40	45	14											S
	12N/05E-17H01 M																	
07/19/85	5050		7.5	171	10	7.0	17	--	73	--	6.0	--	--	--		54	1.0	
1300	5050		7.9	171	.50	.58	.74		1.46		.17			--		0	1.2	
					27	32	41											S
	12N/06E-16D02 M																	
07/19/85	5050		7.1	883	28	21	129	--	135	--	119	--	--	--		157	4.5	
1430	5050		8.0	912	1.40	1.73	5.61		2.70		3.36			--		22	7.9	
					16	20	64											S
	13N/04E-33J01 M																	
07/30/85	5050	67 F	7.5	563	43	40	24	1.0	258	17	29	8.4	.0	--	360	272	0.6	
1145	5050	19 C	8.5	578	2.15	3.29	1.04	.03	5.15	.35	.82	.14		--	317	15	1.5	
					33	51	16	0	80	5	13	2						
	A-07		COLUSA BASIN HU															
	A-07.A		SYCAMORE-SUTTER HA															
	11N/02E-14F04 M																	
08/20/85	5050		7.9	515	28	22	56	--	232	--	28	--	--	--		181	1.9	
1500	5050		8.7	540	1.40	1.81	2.44		4.64		.79			--		0	3.9	
					25	32	43											S
	13N/01E-22J01 M																	
07/01/85	5050	72.0F	7.5	295	--	--	--	--	--	--	--	--	--	--				
1120	0000	22.2C												--				
	14N/01E-16K01 M																	
07/01/85	5050	65.0F	7.6	500	--	--	--	--	--	--	--	--	--	--				
1100	0000	18.3C												--				
	14N/01E-24N01 M																	
07/24/85	5050		7.7	444	26	33	28	--	229	--	8.0	--	--	--		201	0.9	
1545	5050		8.4	463	1.30	2.71	1.22		4.58		.23			--		0	1.8	
					25	52	23											S
	14N/01W-02D01 M																	
07/01/85	5050	66.0F	7.5	1700	--	--	--	--	--	--	--	--	--	--				
1035	0000	18.9C												--				
	15N/01W-13R01 M																	
07/24/85	5050	69 F	7.5	227	18	14	10	--	114	--	5.0	--	--	--		103	0.4	
1315	5050	21 C	8.3	237	.90	1.15	.44		2.28		.14			--		0	0.7	
					36	46	18											S
	16N/01W-19F03 M																	
07/01/85	5050	67.0F	8.1	395	--	--	--	--	--	--	--	--	--	--				
1315	0000	19.4C												--				
	16N/01W-29J01 M																	
07/01/85	5050	65.0F	7.9	505	--	--	--	--	--	--	--	--	--	--				
0955	0000	18.3C												--				
	16N/02W-04N01 M																	
07/01/85	5050	69.0F	7.7	1820	--	--	--	--	--	--	--	--	--	--				
1340	0000	20.5C												--				
	16N/02W-25B02 M																	
07/01/85	5050	68.0F	7.7	810	--	--	--	--	--	--	--	--	--	--				
1255	0000	20.0C												--				
	16N/02W-25R03 M																	
07/01/85	5050	69.0F	7.6	1305	--	--	--	--	--	--	--	--	--	--				
1245	0000	20.5C												--				
	16N/02W-35R01 M																	
07/01/85	5050	70.0F	7.7	1050	--	--	--	--	--	--	--	--	--	--				
1240	0000	21.1C												--				
	17N/02W-12C01 M																	
07/01/85	5050	66.0F	7.9	740	14	29	79	1.9	276	24	15	.0	.2	--	340	155	2.8	
1400	5050	18.9C	8.4	619	.70	2.38	3.44	.05	5.31	.50	.42	.00		--	329	0	5.8	
					11	36	52	1	98	8	7	0						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	R	F	TDS SUM	TH NCH	SAR ASAR	RER
						MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	A		SACRAMENTO NA																
	A-07		COLUSA BASIN HU																
	A-07.R		GLENN COLUSA NA																
	A-07.R1		COLUSA TROUGH NSA																
	10N/01E-15H02 M																		
08/20/85	5050		7.9	566	42	30	39	--	237	--	31	--	--	--		229	1.1		
1430	5050		8.7	589	2.10	2.47	1.70		4.74		.87			--		0	2.5		
					33	39	27												S
	11N/01E-16P01 M																		
07/29/85	5050		8.1	518	39	25	42	3.1	219	19	37	.5	1.4	--	327	191	1.3		
1100	5050		7.6	542	1.75	2.06	1.83	.08	4.38	.40	1.04	.01		--	294	0	2.8		
					31	36	32	1	75	7	18	0							
	12N/01W-21A01 M																		
08/21/85	5050		8.1	391	26	29	20	--	219	--	3.0	--	--	--		185	0.6		
1230	5050		8.6	415	1.30	2.38	.87		4.38		.08			--		0	1.3		
					29	52	19												S
	13N/01W-06Q01 M																		
07/02/85	5050	72.5F	7.1	2100	84	78	102	.9	116	21	421	57.0	.8	--	938	531	1.9		
0915	5050	22.5C	8.0	1820	4.19	6.41	4.44	.02	2.32	.44	11.87	.92		--	834	414	4.2		
					28	43	29	0	15	3	76	6							S
	13N/01W-07A01 M																		
07/ /85	5050		7.5	1600	--	--	--	--	--	--	--	--	--	--					
0920	0000													--					
																			S
	13N/01W-30F01 M																		
07/02/85	5050	71.0F	7.8	460	--	--	--	--	--	--	--	--	--	--					
1015	0000	21.6C												--					
																			S
	13N/01W-36Q02 M																		
07/02/85	5050	70.0F	7.7	520	--	--	--	--	--	--	--	--	--	--					
0950	0000	21.1C												--					
																			S
	13N/02W-26A01 M																		
07/02/85	5050	75.0F	7.3	800	--	--	--	--	--	--	--	--	--	--					
1030	0000	23.9C												--					
																			S
	13N/02W-26G01 M																		
07/02/85	5050		7.8	575	--	--	--	--	--	--	--	--	--	--					
1045	0000													--					
																			S
	14N/02W-29J01 M																		
07/02/85	5050		7.3	280	--	--	--	--	--	--	--	--	--	--					
1125	0000													--					
																			S
	15N/02W-32R01 M																		
07/02/85	5050	68.0F	7.6	680	--	--	--	--	--	--	--	--	--	--					
1245	0000	20.0C												--					
																			S
	15N/03W-01P01 M																		
07/02/85	5050	72.0F	7.8	1085	--	--	--	--	--	--	--	--	--	--					
1355	0000	22.2C												--					
																			S
	15N/03W-26L01 M																		
07/02/85	5050	73.0F	7.5	660	--	--	--	--	--	--	--	--	--	--					
1230	0000	22.8C												--					
																			S
	16N/03W-09N01 M																		
07/02/85	5050	71.0F	7.7	585	--	--	--	--	--	--	--	--	--	--					
1415	0000	21.6C												--					
																			S
	17N/02W-30J02 M																		
07/02/85	5050	68.0F	7.7	1950	--	--	--	--	--	--	--	--	--	--					
1530	0000	20.0C												--					
																			S
	17N/03W-32M01 M																		
07/02/85	5050	73.5F	7.7	635	--	--	--	--	--	--	--	--	--	--					
1500	0000	23.0C												--					
																			S
	17N/03W-33R01 M																		
07/02/85	5050	71.0F	7.9	1010	--	--	--	--	--	--	--	--	--	--					
1435	0000	21.6C												--					
																			S
	18N/02W-01E01 M																		
07/31/85	5050	66.0F	8.0	510	--	--	--	--	--	--	--	--	--	--					
1130	0000	18.9C												--					
																			S
	18N/02W-07F01 M																		
07/31/85	5050	68.0F	8.0	565	--	--	--	--	--	--	--	--	--	--					
1015	0000	20.0C												--					
																			S
	18N/03W-10K02 M																		
07/31/85	5050	69.0F	8.0	810	--	--	--	--	--	--	--	--	--	--					
1045	0000	20.5C												--					
																			S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	B TURB	F STD?	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR ASAR	RFW
	A	SACRAMENTO HR																
	A-07	COLUSA BASIN HU																
	A-07.R	GLENN COLUSA HA																
	A-07.R1	COLUSA TROUGH HSA																
	19N/02W-06G01 M																	
07/31/85	5050	65.0F	7.2	350	--	--	--	--	--	--	--	--	--	--				
0855	0000	18.3C												--				
																		S
	19N/02W-23N01 M																	
07/31/85	5050	66.0F	7.8	760	--	--	--	--	--	--	--	--	--	--				
1310	0000	18.9C												--				
																		S
	19N/03W-04E01 M																	
07/31/85	5050	71.0F	7.8	790	--	--	--	--	--	--	--	--	--	--				
0910	0000	21.6C												--				
																		S
	19N/03W-04J01 M																	
07/01/85	5701	68.0F			30	25	50	.7	225	32	12	16.0	--	.3	322	177	1.6	
1335	5701	20.0C	7.8	555	1.50	2.06	2.16	.02	4.50	.67	.34	.26		21.0	322	0	3.4	
					26	36	38	0	76	12	6	5						
	19N/03W-09F01 M																	
07/01/85	5701	68.0F			29	29	51	.8	237	52	11	8.0	--	.4	346	190	1.6	
1045	5701	20.0C	7.9	590	1.45	2.38	2.22	.02	4.74	1.08	.31	.13		24.0	347	0	3.4	
					24	39	37	0	76	17	5	2						
	19N/03W-09J01 M																	
07/31/85	5050	66.0F	8.0	570	--	--	--	--	--	--	--	--	--	--				
0930	0000	18.9C												--				
	19N/03W-09K01 M																	
07/01/85	5701	66.2F			28	27	51	.7	237	43	7.0	7.0	--	.4	332	183	1.6	
1320	5701	19.0C	7.8	575	1.40	2.22	2.22	.02	4.74	.90	.20	.11		26.0	332	0	1.5	
					24	38	38	0	80	15	3	2						
	19N/03W-18P02 M																	
07/31/85	5050	65 F	8.0	600	--	--	--	--	--	--	--	--	--	--				
0946	0000	18 C												--				
	19N/03W-26F01 M																	
07/31/85	5050	70.0F	7.8	580	32	28	56	--	244	--	14	4.4	--	--		195	1.7	
1106	5050	21.1C	8.7	583	1.60	2.30	2.44		4.88		.39	.07		--		0	3.8	
					25	36	38											S
	20N/02W-11D01 M																	
07/31/85	5050	67.0F	7.8	530	--	--	--	--	--	--	--	--	--	--				
1430	0000	19.4C												--				
	20N/02W-13D01 M																	
07/31/85	5050	73.0F	8.1	520	--	--	--	--	--	--	--	--	--	--				
1440	0000	22.8C												--				
	20N/02W-22E01 M																	
07/31/85	5050	71.0F	8.2	350	--	--	--	--	--	--	--	--	--	--				
1410	0000	21.6C												--				
	20N/03W-16E01 M																	
07/30/85	5050		8.0	160	--	--	--	--	--	--	--	--	--	--				
1520	0000													--				
	20N/03W-16E02 M																	
07/30/85	5050		8.0	420	--	--	--	--	--	--	--	--	--	--				
1605	0000													--				
	20N/03W-26R01 M																	
07/31/85	5050	67.0F	7.6	425	--	--	--	--	--	--	--	--	--	--				
0835	0000	19.4C												--				
	20N/04W-02D01 M																	
07/30/85	5050	72.0F	8.0	350	--	--	--	--	--	--	--	--	--	--				
1545	0000	22.2C												--				
	21N/01W-29N01 M																	
07/31/85	5050	66.0F	7.8	520	--	--	--	--	--	--	--	--	--	--				
1505	0000	18.9C												--				
	21N/03W-02D01 M																	
07/30/85	5050	69.0F	7.2	650	--	--	--	--	--	--	--	--	--	--				
1415	0000	20.5C												--				
	21N/03W-08A02 M																	
07/30/85	5050		8.1	330	--	--	--	--	--	--	--	--	--	--				
1515	0000													--				
	A-07.82	ORLAND HSA																
	21N/02W-15C01 M																	
07/30/85	5050	67.0F	7.2		32	31	22	1.2	127	--	35	46.0	--	--		208	0.7	
1345	5050	19.4C	8.2	565	1.60	2.55	.96	.03	2.54		.99	.74		--		81	1.3	
					31	50	19	1										S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	F	SIO2	TOS SUM	TH NCH	SAR ASAR	REF
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
	A		SACRAMENTO HA																
	A-07		COLUSA BASIN MU																
	A-07.A		GLENN COLUSA HA																
	A-07.B2		ORLAND HSA																
	22N/02W-20Q01 M																		
07/30/85	5050	69.0F	7.6	560	27	22	21	--	136	--	19	12.0	--	--			158	0.7	
1303	*050	20.5C	8.6	530	1.35	1.81	.91		2.72		.54	.19		--			22	1.3	
					33	44	22												S
	22N/03W-17K01 M																		
07/30/85	5050	72.0F	7.6	445	--	--	--	--	--	--	--	--	--	--					
0950	0000	22.2C												--					
																			S
	22N/03W-22G02 M																		
07/30/85	5050	66.0F	7.8	420	29	14	19	--	136	--	17	--	--	--			130	0.7	
0930	5050	18.9C	8.6	399	1.45	1.15	.83		2.72		.48			--			0	1.3	
					42	34	24												S
	22N/03W-22Q01 M																		
07/30/85	5050	68.0F	7.8	510	28	17	18	.8	117	22	21	13.0	.2	--	242		140	0.7	Y
0915	5050	20.0C	8.2	422	1.40	1.40	.78	.02	2.34	.46	.59	.21		--	190		23	1.1	7
					39	39	22	1	65	13	16	6							
	22N/03W-25R01 M																		
07/31/85	5050	67.0F	7.5	445	--	--	--	--	--	--	--	--	--	--					
1545	0000	19.4C												--					
																			S
	22N/03W-32R02 M																		
07/30/85	5050	68.0F	7.0	490	--	--	--	--	--	--	--	--	--	--					
1435	0000	20.0C												--					
																			S
	A-07.C		SUTTER BYPASS HA																
	13N/03E-10R02 M																		
07/24/85	5050	65 F	7.5	354	29	22	18	--	168	--	14	--	--	--			163	0.6	
1245	5050	18 C	8.4	375	1.45	1.81	.78		3.36		.39			--			0	1.2	
					36	45	19												S
	14N/02E-13L01 M																		
07/24/85	5050	66 F	7.9	502	35	34	30	1.6	266	9.0	14	3.6	.1	--	326		228	0.9	
1330	5050	19 C	8.4	522	1.75	2.80	1.31	.04	5.31	.19	.39	.06		--	287		0	2.0	
					30	47	22	1	89	3	7	1							
	14N/03E-06A02 M																		
07/24/85	5050		7.7	882	31	64	50	--	312	--	9.0	--	--	--			341	1.2	
1415	5050		8.3	824	1.55	5.26	2.18		6.23		.25			--			29	2.9	
					17	59	24												S
	15N/02E-01R01 M																		
07/23/85	5050		7.3	241	20	13	7.0	--	119	--	3.0	--	--	--			112	0.3	
1200	5050		8.3	249	1.00	1.23	.30		2.38		.08			--			0	0.5	
					40	49	12												S
	15N/02E-22Q01 M																		
07/24/85	5050	67 F	7.5	297	24	15	20	--	136	--	10	--	--	--			122	0.8	
1430	5050	19 C	8.4	304	1.20	1.23	.87		2.72		.28			--			0	1.4	
					36	37	26												S
	15N/03E-15H04 M																		
07/23/85	5050	65 F	7.1	1476	43	104	47	--	234	--	223	--	--	--			536	0.9	
1130	5050	18 C	8.0	1430	2.15	8.55	2.04		4.68		6.29			--			301	2.2	
					17	67	16												S
	16N/02E-02R01 M																		
07/23/85	5050		7.5	453	33	33	16	2.1	206	26	10	15.0	.0	--	312		219	0.5	
1330	5050		8.3	467	1.65	2.71	.70	.05	4.12	.54	.28	.24		--	259		12	1.0	
					32	53	14	1	80	10	5	5							
	16N/03E-04E01 M																		
07/23/85	5050	65 F	7.5	229	17	16	11	--	97	--	2.0	--	--	--			109	0.5	
1300	5050	18 C	8.2	242	.85	1.32	.48		1.94		.06			--			12	0.7	
					32	50	18												S
	17N/03E-18Q01 M																		
06/25/85	5050	73.0F	7.1	710	--	--	--	--	--	--	--	--	--	--					
1430	0000	22.8C												--					
	17N/03E-20C01 M																		
06/25/85	5050	62.0F	7.2	560	--	--	--	--	--	--	--	--	--	--					
1450	0000	16.7C												--					
	A-07.D		BUTTE BASIN HA																
	16N/01E-05C01 M																		
07/23/85	5050	67 F	7.7	569	56	38	28	--	291	--	11	--	--	--			296	0.7	
1430	5050	19 C	8.4	580	2.79	3.13	1.22		5.81		.31			--			6	1.7	
					39	44	17												S
	17N/01E-01R01 M																		
06/25/85	5050	68.0F	7.3	1000	31	72	--	--	--	--	30	--	--	--			374		
1415	5050	20.0C		948	1.55	5.92					.85			--					
																			S
	18N/02E-12G01 M																		
06/25/85	5050	70.0F	7.1	315	--	--	--	--	--	--	--	--	--	--					
1210	0000	21.1C												--					
																			S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCM	SAR ASAR	REM
					MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				R	F	MILLIGRAMS PER LITER			
	A	SACRAMENTO HB																
	A-07	COLUSA BASIN HU																
	A-07.0	BUTTE BASIN HU																
	18N/02E-13R05 M																	
06/25/85	5050	67.0F	7.3	200	12	12	11	--	97	--	1.0	--	--	--		80	0.5	
1545	5050	19.4C	8.4	196	.60	.99	.48		1.94		.03			--		0	0.8	
					29	48	23											S
	18N/02E-14K01 M																	
06/25/85	5050	71.0F	7.3	320	--	--	--	--	--	--	--	--	--	--				
1340	0000	21.6C												--				
																		S
	18N/03E-29P01 M																	
06/25/85	5050	69.0F	7.3	200	12	11	10	--	88	--	1.0	.0	--	--		75	0.5	
	5050	20.5C	8.3	191	.60	.90	.44		1.76		.03	.00		--		0	0.7	
					31	46	23											S
	19N/02E-16R01 M																	
06/25/85	5050	73.0F	7.5	260	--	--	--	--	--	--	--	--	--	--				
1320	0000	22.8C												--				
																		S
	20N/01E-01C01 M																	
06/25/85	5050	70.0F	6.9	920	--	--	--	--	--	--	--	--	--	--				
1120	0000	21.1C												--				
																		S
	20N/02E-04D01 M																	
06/25/85	5050	66.0F	7.2	320	25	19	10	--	152	--	5.0	5.3	--	--		141	0.4	
1000	5050	18.9C	8.3	315	1.25	1.58	.44		3.04		.14	.09		--		0	0.7	
					56	48	14											S
	20N/02E-29R03 M																	
06/25/85	5050	72.0F	7.3	830	--	--	--	--	--	--	--	--	--	--				
1250	0000	22.2C												--				
																		S
	20N/03E-15H01 M																	
06/24/85	5050	65.0F	6.8	180	16	9.0	5.0	--	72	--	1.0	18.0	--	--		77	0.2	
1320	5050	18.3C	8.3	186	.80	.74	.22		1.44		.03	.29		--		5	0.3	
					45	42	13											S
	21N/01E-01G02 M																	
12/26/84	2328		7.2	312	--	--	--	--	--	--	--	12.0	--	--				
	9580											.19		--				
																		S
06/19/85	2328		7.5	250	--	--	--	--	--	--	--	10.0	--	--				
	9580											.16		--				
																		S
	21N/01E-02C02 M																	
12/26/84	2328		7.0	520	--	--	--	--	--	--	--	21.0	--	--				
	9580											.34		--				
																		S
06/19/85	2328		7.3	410	--	--	--	--	--	--	--	20.0	--	--				
	9580											.32		--				
																		S
	21N/01E-03H05 M																	
12/26/84	2328		6.9	1040	--	--	--	--	--	--	--	56.0	--	--				
	9580											.90		--				
																		S
06/19/85	2328		7.3	690	--	--	--	--	--	--	--	39.0	--	--				
	9580											.63		--				
																		S
	21N/01E-08H02 M																	
09/17/85	5050	67.0F	7.0	780	65	52	23	--	270	--	51	39.0	--	--		376	0.5	
1500	5050	19.4C	8.6	758	3.24	4.28	1.00		5.39		1.44	.63		--		107	1.3	
					38	50	12											S
	21N/01E-09G04 M																	
12/26/84	2328		6.4	481	--	--	--	--	--	--	--	31.0	--	--				
	9580											.50		--				
																		S
06/19/85	2328		7.4	410	--	--	--	--	--	--	--	24.0	--	--				
	9580											.39		--				
																		S
	21N/02E-21M01 M																	
06/25/85	5050	67.0F	7.1	490	--	--	--	--	--	--	--	--	--	--				
0930	0000	19.4C												--				
																		S
	21N/03E-10K01 M																	
06/24/85	5050	72.0F	6.9	290	--	--	--	--	--	--	--	--	--	--				
1245	0000	22.2C												--				
																		S
	22N/01E-35E01 M																	
08/12/85	5701	64.4F			34	24	14	1.1	183	9.0	14	5.0	--	.1	267	186	0.4	E
1345	5701	18.0C	7.2	370	1.70	1.97	.61	.03	3.66	.19	.39	.08		56.0	287	1	0.9	
					39	46	14	1	85	4	9	2						
	22N/01E-36C01 M																	
08/12/85	5701	68.0F			18	11	16	2.1	109	8.0	8.0	1.0	--	.1	188	90	0.7	E
1315	5701	20.0C	7.9	220	.90	.90	.76	.05	2.18	.17	.23	.02		58.0	187	0	1.1	
					35	35	27	2	84	7	9	1						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	F TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	A A-07 A-07.D		SACRAMENTO HA COLUSA BASIN HU BUTTE BASIN HA															
	17N/01W-06P01 M																	
07/01/85	5050	62.0F	7.8	365	--	--	--	--	--	--	--	--	--	--				
0910	0000	16.7C												--				
	17N/01W-30K01 M																	
07/01/85	5050	65.0F	8.0	345	--	--	--	--	--	--	--	--	--	--				
0930	0000	18.3C												--				
	18N/01W-16N01 M																	
07/31/85	5050	69.0F	8.2	420	--	--	--	--	--	--	--	--	--	--				
1240	0000	20.5C												--				
	21N/01W-35C01 M																	
06/25/85	5050	71.0F	7.2	510	--	--	--	--	--	--	--	--	--	--				
1100	0000	21.6C												--				
	A-08 A-08.A		MARYSVILLE HU LOWER REAR RIVER HA															
	14N/05E-16D01 M																	
07/22/85	5050	65 F	6.9	1612	164	84	34	--	93	--	448	--	--	--		755	0.5	
1100	5050	18 C	7.9	1710	8.18	6.91	1.48		1.66		12.63			--		662	1.2	
					49	42	9											S
	14N/05E-32R03 M																	
07/22/85	5050	67 F	7.3	358	31	22	17	.9	120	22	26	20.0	.0	--	280	166	0.6	E
1000	5050	19 C	8.1	389	1.55	1.81	.74	.02	2.40	.46	.73	.32		--	211	48	1.0	T
					38	44	18	0	61	12	19	8						S
	A-08.A		OLIVEHURST HA															
	14N/04E-14J02 M																	
07/22/85	5050	69 F	7.3	200	14	11	15	--	85	--	13	--	--	--		80	0.7	
1230	5050	21 C	8.0	213	.70	.90	.65		1.70		.37			--		0	1.0	
					31	40	29											S
	14N/05E-18E01 M																	
07/22/85	5050		7.3	178	12	9.0	13	.6	75	5.0	8.0	4.2	.0	--	166	67	0.7	E
1145	5050		8.2	190	.60	.74	.57	.02	1.40	.10	.23	.07		--	97	0	0.9	T
					31	38	30	1	79	5	12	4						
	15N/04E-23Q01 M																	
07/22/85	5050	68 F	7.9	203	17	9.0	14	.9	106	2.0	4.0	.0	.0	--	143	80	0.7	
1415	5050	20 C	8.0	210	.85	.74	.61	.02	2.12	.04	.11	.00		--	110	0	1.0	T
					38	33	27	1	93	2	5	0						
	A-08.C		LOWER YUBA RIVER HA															
	15N/03E-12R02 M																	
06/26/85	5701	66 F			39	29	14	1.6	194	33	11	10.0	--	.1		216	0.4	
1115	5701	19 C	7.4	475	1.95	2.38	.61	.04	3.88	.69	.31	.16		62.0	316	23	0.9	
					39	48	12	1	77	14	6	3						
	15N/03E-13N01 M																	
08/14/85	5701	64 F			66	37	24	4.6	270	28	56	1.0	--	.1		318	0.6	
1430	5701	18 C	7.8	655	3.29	3.04	1.04	.12	5.39	.58	1.58	.02		49.0	427	47	1.4	
					44	41	14	2	71	8	21	0						
	15N/04E-07J02 M																	
08/14/85	5701	64 F			38	24	12	2.1	173	33	7.0	6.0	--	.1		194	0.4	
1450	5701	18 C	7.7	380	1.90	1.97	.52	.05	3.46	.69	.20	.10		45.0	271	21	0.8	
					43	44	12	1	78	16	4	2						
	15N/04E-07M02 M																	
06/26/85	5701	66 F			33	25	10	1.5	192	14	3.0	8.0	--	.1		186	0.3	
1130	5701	19 C	7.4	395	1.65	2.06	.44	.04	3.84	.29	.08	.13		62.0	272	0	0.7	
					39	49	11	1	88	7	2	3						
	15N/04E-18C01 M																	
08/14/85	5701	68 F			29	21	13	2.2	157	22	6.0	1.0	--	.1		160	0.4	
1445	5701	20 C	7.8	325	1.45	1.73	.57	.06	3.14	.46	.17	.02		43.0	231	2	0.9	
					38	45	15	2	83	12	4	1						
	A-08.D		LOWER FEATHER RIVER HA															
	16N/03E-36E02 M																	
07/23/85	5050	65 F	7.5	685	39	49	19	2.0	230	70	14	30.0	.0	--	462	299	0.5	
1045	5050	18 C	8.2	675	1.95	4.03	.83	.05	4.60	1.46	.39	.48		--	361	69	1.1	T
					28	59	12	1	66	21	6	7						
	16N/04E-09D01 M																	
07/23/85	5050	65 F	6.9	577	54	40	22	--	205	--	52	--	--	--		299	0.6	
0930	5050	19 C	8.2	615	2.69	3.29	.96		4.10		1.47			--		94	1.2	
					39	47	14											S
	16N/04E-34E01 M																	
07/23/85	5050	67 F	7.7	229	23	12	9.0	--	92	--	2.0	--	--	--		107	0.4	
0845	5050	19 C	8.0	249	1.15	.99	.39		1.84		.06			--		15	0.6	
					45	39	15											S
	17N/04E-20P01 M																	
06/24/85	5050	69.0F	7.5	600	--	--	--	--	--	--	--	--	--	--				
1530	0000	20.5C												--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
						MINERAL CONSTITUENTS IN	MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE		MILLIGRAMS PER LITER			
	A	SACRAMENTO HB																		
	A-08	MARYSVILLE HU																		
	A-08.0	LOWER FEATHER RIVER HA																		
	18N/03E-25J01 M																			
06/24/85	5050	74.0F	7.1	280			--	--	--	--	--	--	--	--	--	--				
1430	0000	23.3C														--				
	18N/03E-33H01 M																			
06/25/85	5050	70.0F	7.5	240			--	--	--	--	--	--	--	--	--	--				
1520	0000	21.1C														--				
	18N/04E-07A01 M																			
06/24/85	5050	68.0F	7.1	175			--	--	--	--	--	--	--	--	--	--				
1400	0000	20.0C														--				
	18N/04E-28H01 M																			
06/24/85	5050	72.0F	8.1	3200			51	1.0	620	3.1	121	862	321	5.2	6.3	.6	2010	140	22.8	
1430	5050	22.2C	8.5	5040			2.54	.25	26.97	.08	2.42	17.95	9.05	.08		--	1944	19	35.1	
							9	1	90	0	8	61	31	0						
	19N/04E-06P01 M																			
06/24/85	5050	69.0F	7.3	195			10	6.0	20	.6	84	7.0	4.0	2.8	.0	--	161	58	1.1	E
1345	5050	20.5C	8.3	192			.50	.66	.87	.02	1.68	.15	.11	.05		--	103	0	1.4	T
							24	32	42	1	84	8	6	3						
	19N/04E-07P01 M																			
06/24/85	5701	64.4F					40	20	73	2.1	136	108	67	6.0	--	.1	444	181	2.4	
1129	5701	18.0C	7.3	750			2.00	1.64	3.18	.05	2.72	2.25	1.89	.13		49.0	445	46	6.4	
							29	24	46	1	39	32	27	2						
	19N/04E-20C01 M																			
06/24/85	5701	64.4F					24	16	27	.7	156	15	11	12.0	--	.2	261	136	1.0	
1150	5701	18.0C	7.0	385			1.20	1.48	1.17	.02	3.12	.31	.31	.19		80.0	261	0	1.8	
							31	38	30	1	79	8	8	5						
	A-11	FEATHER RIVER HU																		
	A-11.C	MIDDLE FORK FEATHER HA																		
	A-11.C2	SLOAT HSA																		
	22N/13E-30R01 M																			
07/08/85	5050	60.0F	7.4	395			--	--	--	--	--	--	--	--	--	--				
1510	0000	15.5C														--				
	A-11.C3	LAKE DAVIS HSA																		
	26N/10E-16M01 M																			
07/08/85	5050	62.0F	7.6	210			21	17	13	.4	125	8.0	1.0	.0	.0	--	138	123	0.5	
1700	5050	16.7C	8.0	243			1.05	1.40	.57	.01	2.50	.17	.03	.00		--	135	0	0.9	
							35	46	19	0	93	6	1	0						5
	A-11.C4	SIERRA VALLEY HSA																		
	20N/14E-04G02 M																			
07/08/85	5050	57.0F	7.7	200			16	8.0	--	--	--	--	1.0	--	--	--		73		
1505	5050	13.9C		196			.80	.66					.03			--				
																				5
	21N/14E-02H01 M																			
09/24/85	5050	58.0F	7.5	1400			--	--	--	--	--	--	--	--	--	--				
1025	0000	14.4C														--				
																				5
	21N/14E-02H02 M																			
09/24/85	5050	64.0F	7.5	1110			--	--	--	--	--	--	--	--	--	--				
1015	0000	17.8C														--				
																				5
	21N/14E-14R01 M																			
07/11/85	5050	55.0F	7.1	490			11	11	--	--	--	--	43	.0	.1	--		72		
0840	5050	12.8C		468			.55	.90					1.21	.00		--				
																				5
	21N/14E-15J01 M																			
07/08/85	5050	61.0F	7.4	500			7.0	6.0	--	--	--	--	52	--	--	--		50		
1600	5050	16.1C		443			.35	.68					1.47			--				
																				5
	21N/14E-20B02 M																			
07/11/85	5050	62.0F	7.3	320			26	15	--	--	--	--	1.0	--	--	--		132		
0920	5050	16.7C		314			1.40	1.23					.03			--				
																				5
	21N/14E-22L01 M																			
07/09/85	5050	57.0F	7.3	710			--	--	--	--	--	--	--	--	--	--				
1550	0000	13.9C														--				
																				5
	21N/14E-29J01 M																			
07/09/85	5050	60.0F	7.2	240			20	15	--	--	--	--	.0	--	--	--		112		
1540	5050	15.5C		229			1.00	1.23					.00			--				
																				5
	21N/14E-32G01 M																			
07/09/85	5050	69.0F	7.4	270			--	--	--	--	--	--	--	--	--	--				
1530	0000	20.5C														--				
																				5

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER 4 TURB	F SIO2	TDS SIM	TH NCM	SAR ASAR	REM
	A A-11 A-11.C A-11.C4 21N/14E-34K01 M		SACRAMENTO NB FEATHER RIVER NU MIDDLE FORK FEATHER NA SIERRA VALLEY HSA															
07/11/85	5050	56.0F	7.8	340	11	4.0	--	--	--	--	36	.4	.7	--		44		
1045	5050	13.3C		342	.55	.33					1.02	.01		--				
																		S
	21N/14E-34R01 M																	
07/11/85	5050	56.0F	7.4	280	10	4.0	--	--	--	--	22	1.5	.5	--		42		
1100	5050	13.3C		257	.50	.33					.62	.02		--				
																		S
	21N/14E-36K01 M																	
07/09/85	5050	55.0F	7.1	210	18	11	12	--	104	--	2.0	2.3	--	--		90	0.6	
1430	5050	12.8C	8.1	209	.90	.90	.52		2.08		.06	.04		--		0	0.8	
					39	39	22											S
	21N/15E-03M02 M																	
07/09/85	5050	62.0F	7.3	220	7.0	5.0	18	10	58	2.0	2.0	27.0	.1	--	156	38	1.3	EX
1630	5050	16.7C	8.1	175	.35	.41	.78	.26	1.16	.04	.06	.44		--	106	0	1.1	T
					19	23	43	14	68	2	4	26						
	21N/15E-05001 M																	
07/09/85	5050	101.0F	7.2	1370	--	--	--	--	--	--	--	--	--	--				
1440	0000	38.3C												--				
																		S
	21N/15E-05P01 M																	
07/11/85	5050		8.2	280	1.0	.0	--	--	--	--	8.0	.0	1.1	--		2		
1150	5050			261	.05	.00					.23	.00		--				
																		S
	21N/15E-07R01 M																	
07/11/85	5050	52.0F	7.8	220	12	3.0	--	--	--	--	1.0	.3	.1	--		42		
1340	5050	11.1C		202	.60	.25					.03	.00		--				
																		S
	21N/15E-17A01 M																	
07/11/85	5050	68.0F	7.3	280	12	5.0	--	--	--	--	14	13.0	.5	--		50		
1700	5050	20.0C		268	.60	.41					.39	.21		--				
																		S
	21N/16E-18H01 M																	
07/08/85	5050	70.0F	7.0	350	--	--	--	--	--	--	--	--	--	--				
1415	0000	21.1C												--				
																		S
	22N/14E-11D01 M																	
07/08/85	5050	59.0F	7.3	200	14	8.0	16	1.5	104	2.0	1.0	.0	.0	--	151	68	0.8	E
1050	5050	15.0C	7.6	201	.70	.66	.70	.04	2.08	.04	.03	.00		--	105	0	1.2	T
					33	31	33	2	97	2	1	0						
	22N/14E-13K02 M																	
07/09/85	5050		8.1	2300	--	--	--	--	--	--	--	--	--	--				
1050	0000													--				
	22N/14E-14F02 M																	
07/08/85	5050	55.0F	7.2	190	16	9.0	--	--	--	--	2.0	.0	.0	--		77		
1120	5050	12.8C		191	.80	.74					.06	.00		--				
																		S
	22N/14E-23H01 M																	
09/24/85	5050	55.0F	8.0	200	--	--	--	--	--	--	--	--	--	--				
1210	0000	12.8C												--				
	22N/14E-25H01 M																	
09/24/85	5050	103.5F	7.5	2250	--	--	--	--	--	--	--	--	--	--				
0810	0000	39.7C												--				
	22N/14E-26G01 M																	
09/24/85	5050	52.0F	7.5	210	--	--	--	--	--	--	--	--	--	--				
0940	0000	11.1C												--				
	22N/14E-26L01 M																	
09/24/85	5050	50.0F	7.3	210	--	--	--	--	--	--	--	--	--	--				
0930	0000	10.0C												--				
	22N/14E-26P01 M																	
09/24/85	5050	54.0F	7.3	203	--	--	--	--	--	--	--	--	--	--				
0915	0000	12.2C												--				
	22N/15E-10C01 M																	
07/09/85	5050	75.0F	7.8	590	--	--	--	--	--	--	--	--	--	--				
1340	0000	23.9C												--				
	22N/15E-17C03 M																	
07/09/85	5050		7.3	440	--	--	--	--	--	--	--	--	--	--				
1630	0000													--				
	22N/15E-20G01 M																	
09/24/85	5050	59.0F	7.1	1080	--	--	--	--	--	--	--	--	--	--				
1200	0000	15.0C												--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	MILLIEQUIVALENTS PER LITER CACO3	SO4	CL	NO3	PERCENT REACTANCE VALUE	A TURB	F SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR ASAR	REM
	A	SACRAMENTO HG																	
	A-11	FEATHER RIVER HU																	
	A-11.C	MIDDLE FORK FEATHER HA																	
	A-11.C4	SIERRA VALLEY HSA																	
	22N/15E-21D01 M																		
07/09/85	5050	65.0F	7.1	940	--	--	--	--	--	--	--	--	--	--	--				
1640	0000	18.3C													--				
	22N/15E-21J01 M																		
07/09/85	5050	64.0F	7.0	960	--	--	--	--	--	--	--	--	--	--	--				
1650	0000	17.8C													--				
	22N/15E-21K01 M																		
07/09/85	5050	52.0F	7.1	940	--	--	--	--	--	--	--	--	--	--	--				
1700	0000	11.1C													--				
	22N/15E-21L01 M																		
07/09/85	5050	64.0F	7.3	900	--	--	--	--	--	--	--	--	--	--	--				
1710	0000	17.8C													--				
	22N/15E-21R01 M																		
09/24/85	5050	57.0F	8.4	600	--	--	--	--	--	--	--	--	--	--	--				
1230	0000	13.9C													--				
	22N/15E-22C01 M																		
09/24/85	5050	62.0F	7.4	980	--	--	--	--	--	--	--	--	--	--	--				
1320	0000	16.7C													--				
	22N/15E-26K03 M																		
07/10/85	5050	65.0F	7.1	260	6.0	7.0	26	7.9	69	4.0	7.0	25.0	.1	--	185	44	1.7	EY	
0825	5050	18.3C	6.2	211	.30	.58	1.13	.20	1.38	.08	.20	.40		--	124	0	1.6	7	
					14	26	51	9	67	4	10	19							S
	22N/15E-32F01 M																		
07/09/85	5050		8.2	2440	--	--	--	--	--	--	--	--	--	--	--				
1720	0000														--				
																			S
	22N/15E-33M01 M																		
09/24/85	5050	64.0F	7.6	500	--	--	--	--	--	--	--	--	--	--	--				
1140	0000	17.8C													--				
																			S
	22N/15E-34G01 M																		
07/10/85	5050	65.0F	7.4	220	15	10	--	--	--	--	2.0	1.2	.0	--		78			
0920	5050	18.3C		211	.75	.82					.06	.02		--					
																			S
	22N/15E-35H01 M																		
07/10/85	5050	68.0F	7.1	240	12	10	--	--	--	--	4.0	5.8	.1	--		71			
0910	5050	20.0C		216	.60	.82					.11	.09		--					
																			S
	22N/15E-36N01 M																		
07/10/85	5050	69.0F	7.3	205	11	7.0	--	--	--	--	4.0	1.4	.0	--		56			
0645	5050	20.5C		205	.55	.58					.11	.02		--					
																			S
	22N/15E-36J01 M																		
07/10/85	5050		8.1	180	2.0	1.0	--	--	--	--	6.0	5.8	.3	--		9			
0840	5050			160	.10	.08					.17	.09		--					
																			S
	22N/15E-36N01 M																		
07/10/85	5050	72.0F	7.3	180	3.0	2.0	--	--	--	--	2.0	14.0	.2	--		16			
0850	5050	22.2C		162	.15	.16					.06	.23		--					
																			S
	22N/15E-36Q01 M																		
07/10/85	5050	62.0F	7.2	240	17	11	--	--	--	--	3.0	1.5	.0	--		88			
0800	5050	16.7C		235	.85	.90					.08	.02		--					
																			S
	22N/16E-06J04 M																		
07/10/85	5050	53.0F	7.2	500	--	--	--	--	--	--	--	--	--	--					
1345	0000	11.7C													--				
																			S
	22N/16E-06R02 M																		
07/10/85	5050	79.0F	7.4	240	2.0	3.0	--	--	--	--	7.0	17.0	.3	--		18			
1300	5050	26.1C		206	.10	.25					.20	.27		--					
																			S
	22N/16E-07G01 M																		
07/10/85	5050	75.0F	7.2	260	6.0	6.0	--	--	--	--	2.0	37.0	.1	--		40			X
1305	5050	23.9C		213	.30	.49					.06	.60		--					
																			S
	22N/16E-08P01 M																		
07/10/85	5050	61.0F	7.5	380	9.0	8.0	--	--	--	--	8.0	40.0	.3	--		56			
1050	5050	16.1C		344	.45	.66					.23	.65		--					
																			S
	22N/16E-17D01 M																		
07/10/85	5050	61.0F	7.6	370	15	12	--	--	--	--	6.0	29.0	.1	--		87			
1040	5050	16.1C		339	.75	.99					.17	.47		--					
																			S

TABLE R-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH MCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
	A		SACRAMENTO MA															
	A-11		FEATHER RIVER WU															
	A-11.C		MIDDLE FORK FEATHER MA															
	A-11.C4		SIERRA VALLEY MSA															
	22N/16E-19A01 M																	
07/10/85	5050	61.0F	7.6	300	8.0	6.0	--	--	--	--	7.0	38.0	.2	--		44		
1030	5050	16.1C		250	.40	.49					.20	.61		--				
																		S
	22N/16E-19M01 M																	
07/10/85	5050	60.0F	7.3	250	11	8.0	25	7.8	88	8.0	8.0	11.0	.1	--	174	60	1.4	E
1010	5050	15.5C	8.2	232	.55	.66	1.09	.20	1.76	.17	.23	.18		--	132	0	1.8	T
					22	26	44	8	75	7	10	8						S
	23N/14E-25G02 M																	
07/09/85	5050	77.0F	6.6	380	45	17	23	--	155	--	10	31.0	4.2	--		182	0.7	
1235	5050	25.0C	8.2	396	2.25	1.40	1.00		3.10		.28	.50		--		28	1.4	
					48	30	22											S
	23N/14E-25K01 M																	
07/09/85	5050	67.0F	7.8	1300	--	--	--	--	--	--	--	--	--	--				
1300	0000	19.4C												--				
	23N/14E-25K02 M																	
07/10/85	5050	52.0F	7.8	1250	28	4.0	202	1.8	86	164	184	2.5	2.9	--	884	86	9.3	
1500	5050	11.1C	7.1	1150	1.40	.33	8.79	.05	1.72	3.41	5.19	.04		--	641	1	12.3	
					13	3	83	0	17	33	50	0						
	23N/14E-26H02 M																	
07/09/85	5050		8.2	380	8.0	.0	73	.3	134	15	19	.3	1.0	--	212	20	7.1	
1220	5050		8.4	346	.40	.00	3.18	.01	2.68	.31	.54	.00		--	197	0	8.7	
					11	0	69	0	76	9	15	0						
	23N/14E-35L02 M																	
07/09/85	5050	62.0F	8.0	700	--	--	--	--	--	--	--	--	--	--				
1300	0000	16.7C												--				
																		S
	23N/15E-25J01 M																	
07/10/85	5050		7.5	300	5.0	4.0	--	--	--	--	28	8.4	1.1	--		29		
1145	5050			295	.25	.33					.79	.14		--				
																		S
	23N/15E-26G01 M																	
07/10/85	5050	83.0F	7.2	610	11	8.0	80	--	37	--	95	63.0	1.9	--		60	4.5	
1200	5050	28.3C	6.3	559	.55	.66	3.48		.74		2.68	1.02		--		24	3.8	
					12	14	74											S
	23N/15E-26R01 M																	
07/10/85	5050	80.0F	7.5	600	5.0	4.0	--	--	--	--	86	20.0	3.7	--		29		
1210	5050	26.6C		569	.23	.39					2.43	.32		--				
																		S
	23N/15E-34Q01 M																	
07/11/85	5050	74.0F	7.2	380	11	6.0	48	4.3	142	3.0	31	.0	1.0	--	261	69	2.7	E
1430	5050	23.3C	7.8	347	.55	.66	2.09	.11	2.84	.06	.87	.00		--	191	0	3.9	T
					16	19	61	3	75	2	23	0						S
	23N/15E-36G01 M																	
07/10/85	5050	85.0F	7.3	460	4.0	4.0	--	--	--	--	53	22.0	2.4	--		26		
1220	5050	29.4C		430	.20	.33					1.49	.35		--				
																		S
	23N/16E-29G01 M																	
07/10/85	5050	60.0F	7.1	300	20	12	--	--	--	--	5.0	16.0	.0	--		100		
1120	5050	15.5C		264	1.00	.99					.14	.26		--				
	23N/16E-30C01 M																	
07/10/85	5050	65.0F	7.2	250	20	10	18	2.0	115	6.0	4.0	5.3	.1	--	166	91	0.8	E
1240	5050	18.3C	6.5	252	1.00	.82	.78	.05	2.30	.12	.11	.09		--	134	0	1.3	T
					38	31	29	2	88	5	4	3						S
	23N/16E-30R01 M																	
07/10/85	5050	77.0F	7.5	260	5.0	4.0	--	--	--	--	17	6.6	.8	--		29		
1130	5050	25.0C		209	.25	.33					.48	.11		--				
																		S
	23N/16E-32Q01 M																	
07/10/85	5050	55.0F	7.8	180	5.0	4.0	--	--	--	--	2.0	5.3	.1	--		29		
1400	5050	12.8C		178	.25	.33					.06	.09		--				
																		S
	A-11.D		NORTH FORK FEATHER MA															
	A-11.D4		MOUNT HARKNESS MSA															
	27N/08E-10G01 M																	
07/08/85	5050	57.0F	7.5	140	--	--	--	--	--	--	--	--	--	--				
1400	0000	13.9C												--				
																		S
	27N/08E-18J01 M																	
07/08/85	5050	42.0F	6.8	100	--	--	--	--	--	--	--	--	--	--				
1900	0000	5.6C												--				
																		S
	28N/07E-03N01 M																	
07/08/85	5050	65.0F	6.8	92	--	--	--	--	--	--	--	--	--	--				
1925	0000	18.3C												--				
																		S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	MILLIGRAMS PER LITER CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER TURB	% SIO2	F	TDS SUM	TH NCH	SAR ASAR	REM
		A A-11 A-11.D A-11.D4		SACRAMENTO HA FEATHER RIVER HU NORTH FORK FEATHER HA MOUNT HARKNESS HSA																
		28N/07E-04K01 M																		
07/03/85	5050		49.0F	7.0	115	8.0	6.0	--	--	--	--	1.0	--	--	--			44		
1120	5050		9.4C		111	.40	.49					.03			--					S
		28N/07E-11G01 M																		
07/08/85	5050		72.0F	7.9	122	--	--	--	--	--	--	--	--	--	--					
1400	0000		22.2C												--					S
		28N/07E-19R01 M																		
07/08/85	5050		64.0F	6.9	145	--	--	--	--	--	--	--	--	--	--					
1300	0000		17.8C												--					S
		28N/07E-19R02 M																		
07/08/85	5050		53.0F	7.1	75	8.0	2.0	3.0	2.0	35	1.0	1.0	1.7	.0	--		60	28	0.2	E
1340	5050		11.7C	8.1	74	.40	.16	.13	.05	.70	.02	.03	.03		--		40	0	0.1	T
						54	22	18	7	90	3	4	4							
		28N/07E-15M01 M																		
07/08/85	5050		69.0F	7.1	115	15	3.0	4.0	2.7	59	1.0	1.0	1.9	.0	--		92	50	0.2	E
1200	5050		20.0C	8.0	122	.75	.25	.17	.07	1.18	.02	.03	.03		--		64	0	0.3	T
						60	20	14	6	94	2	2	2							
		A-11.E A-11.E2		EAST BRANCH NORTH FORK HA QUINCY HSA																
		24N/09E-02A01 M																		
07/10/85	5050		57.0F	6.9	200	10	13	13	--	94	--	1.0	.0	--	--			78	0.6	
1645	5050		13.9C	7.0	184	.50	1.07	.57		1.88		.03	.00		--			0	0.9	
						23	50	27												S
		24N/09E-16M02 M																		
07/10/85	5050		57.0F	6.6	90	--	--	--	--	--	--	--	--	--	--					
1400	0000		13.9C												--					S
		24N/10E-06N01 M																		
07/10/85	5050		57.0F	7.3	410	48	12	29	--	212	--	5.0	.2	--	--			170	1.0	W
1700	5050		13.9C	7.1	326	2.40	.99	1.26		4.24		.14	.00		--			0	2.0	
						52	21	27												S
		24N/10E-08L01 M																		
07/10/85	5050		60.0F	7.0	290	36	18	7.0	--	150	--	2.0	.0	--	--			169	0.2	
1720	5050		15.5C	7.4	299	1.90	1.48	.30		3.00		.04	.00		--			19	0.4	
						52	40	8												S
		24N/10E-18R01 M																		
07/10/85	5050		56.0F	6.8	130	13	4.0	4.0	--	48	--	3.0	1.5	--	--			49	0.2	
1710	5050		13.3C	7.5	122	.65	.33	.17		.96		.08	.02		--			1	0.2	
						57	29	15												S
		A-11.E3 26N/10E-04E01 M		CRESCENT MILLS HSA																
07/08/85	5050		65.0F	6.9	205	8.0	12	--	--	--	--	1.0	--	--	--			70		
1600	5050		18.3C		208	.40	.99					.03			--					S
		26N/10E-06E01 M																		
07/08/85	5050		68.0F	7.0	480	20	8.0	--	--	--	--	80	--	--	--			83		
1600	5050		20.0C		474	1.00	.66					2.26			--					S
		26N/10E-18R01 M																		
07/08/85	5050			7.3	510	--	--	--	--	--	--	--	--	--	--					
1815	0000														--					S
		28N/10E-14M01 M																		
07/08/85	5050		62.0F	7.6	210	21	17	13	.4	125	8.0	1.0	.0	.0	--		138	123	0.5	
1700	5050		16.7C	8.0	243	1.05	1.40	.57	.01	2.50	.17	.03	.00		--		135	0	0.9	
						35	46	19	0	93	6	1	0							S
		26N/10E-23A01 M																		
07/08/85	5050		54.0F	7.0	220	26	7.0	--	--	--	--	2.0	--	--	--			94		
1730	5050		12.2C		211	1.30	.58					.06			--					S
		27N/09E-35P01 M																		
07/08/85	5050		64.0F	7.1	240	22	12	9.0	--	119	--	1.0	.0	--	--			105	0.4	
1530	5050		17.8C	6.5	230	1.10	.99	.39		2.38		.03	.00		--			0	0.6	
						44	40	16												S
		A-13 A-13.A		TEHAMA HU LOWER STONY CREEK HA																
		22N/03W-17E01 M																		
07/30/85	5050		71.0F	7.8	450	--	--	--	--	--	--	--	--	--	--					
1000	0000		21.6C												--					S
		22N/04W-10A01 M																		
07/30/85	5050		69.0F	7.4	545	--	--	--	--	--	--	--	--	--	--					
1020	0000		18.3C												--					S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	B TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
	A A-13 A-13.A		SACRAMENTO MB TENAMA MH RED BLUFF MA															
	22N/01E-04A03 M																	
08/12/85 1330	5701 5701	71.6F 22.0C	7.7	230	18 .90 34	14 1.15 43	13 .57 21	2.3 .06 2	115 2.30 84	5.0 .10 4	10 .28 10	3.0 .05 2	--	.1 71.0	206 205	104 0	0.6 0.9	E
	22N/01E-04C01 M																	
06/24/85 1020	5050 0000	71.0F 21.6C	7.0	380	--	--	--	--	--	--	--	--	--	-- --				
	22N/01E-05F01 M																	
06/24/85 1030	5050 0000	72.0F 22.2C	7.1	320	--	--	--	--	--	--	--	--	--	-- --				
	22N/01E-09J02 M																	
12/26/84	2328 9580		7.3	351	--	--	--	--	--	--	--	7.0 .11	--	-- --				
06/29/85	5050 9580		7.7	315	--	--	--	--	--	--	--	18.0 .29	--	-- --				S
	22N/01E-09L01 M																	
12/26/84	2328 9580		6.8	728	--	--	--	--	--	--	--	26.0 .42	--	-- --				S
06/29/85	5050 9580		7.7	670	--	--	--	--	--	--	--	26.0 .42	--	-- --				S
	22N/01E-10K01 M																	
06/17/85 0800	5701 5701	68.0F 20.0C	7.4	220	12 .60 23	16 1.32 34	11 .48 20	1.9 .04 2	100 2.00 84	4.0 .08 3	8.0 .23 10	4.0 .06 3	--	.0 64.0	181 180	96 0	0.5 0.7	E
	22N/01E-13D01 M																	
12/26/84	2328 9580		7.8	216	--	--	--	--	--	--	--	11.0 .18	--	-- --				S
07/17/85	5050 9580		7.4	215	--	--	--	--	--	--	--	11.0 .18	--	-- --				S
	22N/01E-13G04 M																	
07/17/85	2328 9580		7.2	370	--	--	--	--	--	--	--	34.0 .55	--	-- --				S
	22N/01E-14K01 M																	
12/26/84	2328 9580		7.4	486	--	--	--	--	--	--	--	33.0 .53	--	-- --				S
06/29/85	2328 9580		7.9	240	--	--	--	--	--	--	--	4.0 .06	--	-- --				
	22N/01E-15C03 M																	
12/26/84	2328 9580		6.8	884	--	--	--	--	--	--	--	42.0 .68	--	-- --				S
06/29/85	2328 9580		7.2	1760	--	--	--	--	--	--	--	46.0 .74	--	-- --				S
	22N/01E-15L01 M																	
06/17/85 0815	5701 5701	64.4F 18.0C	7.4	235	12 .60 24	16 1.32 32	13 .57 23	1.2 .03 1	102 2.04 80	5.0 .10 4	8.0 .23 9	11.0 .19 7	--	.0 98.0	188 188	96 0	0.6 0.9	E
	22N/01E-16H01 M																	
08/12/85 1304	5701 5701	66.2F 19.0C	7.8	210	17 .85 33	15 1.23 48	10 .44 17	1.7 .04 2	115 2.30 90	3.0 .06 2	6.0 .17 7	2.0 .03 1	--	.1 68.0	192 192	102 0	0.4 0.7	E C
	22N/01E-16K02 M																	
12/26/84	2328 9580		7.3	438	--	--	--	--	--	--	--	28.0 .45	--	-- --				S
06/20/85	2328 9580		7.5	380	--	--	--	--	--	--	--	18.0 .29	--	-- --				S
	22N/01E-16M01 M																	
12/26/84	2328 9580		6.8	530	--	--	--	--	--	--	--	15.0 .24	--	-- --				S
06/20/85	2328 9580		7.5	342	--	--	--	--	--	--	--	10.0 .16	--	-- --				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	*MILLIGRAMS PER LITER TURB	SIO2	TDS SUM	TH NCH	SAR ASAP	PER
	A	SACRAMENTO MB																
	A-13	TEHAMA MU																
	A-13.8	RED BLUFF MA																
	22N/01E-17M01 M																	
12/26/84	2328		6.8	705	--	--	--	--	--	--	--	31.0	--	--				
	9580											.50		--				
																		S
06/20/85	2328		7.5	650	--	--	--	--	--	--	--	35.0	--	--				
	9580											.56		--				
																		S
	22N/01E-20K01 M																	
12/26/84	2328		6.9	570	--	--	--	--	--	--	--	15.0	--	--				
	9580											.24		--				
																		S
06/20/85	2328		7.5	834	--	--	--	--	--	--	--	40.0	--	--				
	9580											.65		--				
																		S
	22N/01E-21F01 M																	
09/17/85	5050	57.0F	7.0	380	28	22	15	--	134	--	15	25.0	--	--		161	0.5	
1100	5050	13.9C	8.5	590	1.40	1.81	.65		2.68		.42	.40		--		27	0.9	
					36	47	17											S
	22N/01E-21P01 M																	
12/26/84	2328		7.1	1070	--	--	--	--	--	--	--	12.0	--	--				
	9580											.19		--				
																		S
06/20/85	2328		7.4	278	--	--	--	--	--	--	--	11.0	--	--				
	9580											.18		--				
																		S
	22N/01E-22H01 M																	
08/12/85	5701	64.4F			19	12	12	1.0	105	5.0	8.0	6.0	--	.1	184	98	0.5	E
1250	5701	18.0C	7.6	215	.95	.99	.52	.03	2.10	.10	.23	.10		58.0	184	0	0.8	
					38	40	21	1	83	4	9	4						
	22N/01E-23K03 M																	
06/17/85	5701	71.6F			18	16	12	1.5	100	4.0	5.0	4.0	--	.1	178	85	0.6	E
0950	5701	22.0C	7.6	220	.50	1.32	.52	.04	2.00	.08	.14	.06		66.0	178	0	0.8	
					21	55	22	2	80	4	6	3						
	22N/01E-23L01 M																	
06/17/85	5701	66.2F			38	22	18	1.6	174	10	15	24.0	--	.0	278	186	0.6	
1015	5701	19.0C	7.2	430	1.90	1.81	.78	.04	3.48	.21	.42	.39		45.0	278	12	1.2	
					42	40	17	1	77	5	9	9						
	22N/01E-23P01 M																	
08/17/85	5701	66.2F			33	19	16	1.5	154	10	15	18.0	--	.0	249	162	0.5	
0917	5701	19.0C	7.3	380	1.65	1.56	.70	.04	3.08	.21	.42	.29		45.0	250	7	1.0	
					42	39	18	1	77	5	11	7						
	22N/01E-23Q01 M																	
09/17/85	5050	68.0F	6.8	320	22	16	19	--	135	--	12	6.2	--	--		121	0.8	
1430	5050	20.0C	8.5	311	1.10	1.32	.83		2.70		.34	.10		--		0	1.3	
					34	41	26											S
	22N/01E-23R01 M																	
08/12/85	5701	64.4F			28	17	13	1.5	137	6.0	13	9.0	--	.1	218	140	0.5	E
1400	5701	18.0C	7.4	305	1.40	1.40	.57	.04	2.74	.12	.37	.15		49.0	219	3	0.9	
					41	41	17	1	81	4	11	4						
	22N/01E-27L01 M																	
12/26/84	2328		6.8	820	--	--	--	--	--	--	--	23.0	--	--				
	9580											.37		--				
																		S
06/20/85	2328		7.3	655	--	--	--	--	--	--	--	16.0	--	--				
	9580											.26		--				
																		S
	22N/01E-27M01 M																	
09/17/85	5050	65.0F	7.0	225	17	12	12	--	96	--	9.0	2.2	--	--		92	0.5	
1130	5050	18.3C	8.4	229	.85	.99	.52		1.92		.25	.04		--		0	0.8	
					36	42	22											S
	22N/01E-28B01 M																	
12/26/84	2328		7.1	323	--	--	--	--	--	--	--	100	--	--				
	9580											1.61		--				
																		S
06/20/85	2328		7.1	860	--	--	--	--	--	--	--	81.0	--	--				
	9580											1.31		--				
																		S
	22N/01E-28K02 M																	
12/26/84	2328		6.6	775	--	--	--	--	--	--	--	31.0	--	--				
	9580											.50		--				
																		S
06/20/85	2328		7.6	642	--	--	--	--	--	--	--	21.0	--	--				
	9580											.34		--				
																		S
	22N/01E-29H01 M																	
12/26/84	2328		7.0	650	--	--	--	--	--	--	--	31.0	--	--				
	9580											.50		--				
																		S
06/20/85	2328		7.5	745	--	--	--	--	--	--	--	26.0	--	--				
	9580											.42		--				
																		S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	N TOTAL	F	MILLIGRAMS PER LITER TDS SUM	TH NCH	SAR ASAR	REM
	A A-13 A-13.8	SACRAMENTO HR TEHAMA HU RED BLUFF HA																		
	22N/01E-33G02 M																			
12/26/84	2328 9580				7.0	845	--	--	--	--	--	--	--	52.0 .84	--	-- --				S
06/19/85	2328 9580				7.2	700	--	--	--	--	--	--	--	47.0 .76	--	-- --				S
	22N/01E-33J01 M																			
12/26/84	2328 9580				7.1	494	--	--	--	--	--	--	--	31.0 .50	--	-- --				S
06/19/85	2328 9580				7.4	420	--	--	--	--	--	--	--	31.0 .50	--	-- --				S
	22N/01E-33N02 M																			
09/17/85	5050 1300 5050	60.0F 15.5C	7.1 8.4	220 243	20 1.00 39	13 1.07 42	11 .48 19	--	101 2.02	--	9.0 .25	8.8 .14	--	-- --			104 3	0.5 0.7		S
	22N/02E-17E01 M																			
06/24/85	5050 1110 0000				7.1	220	--	--	--	--	--	--	--	--	--	-- --				
	22N/01W-29C01 M																			
07/30/85	5050 1220 0000	66.0F 18.9C			7.3	640	--	--	--	--	--	--	--	--	--	-- --				
	22N/02W-03A04 M																			
07/30/85	5050 1145 0000	66.0F 18.9C			7.4	750	--	--	--	--	--	--	--	--	--	-- --				
	22N/02W-03A05 M																			
07/30/85	5050 1155 5050	66.0F 18.9C			7.2 8.3	850 684	75 3.74 44	42 3.45 40	31 1.35 16	1.0 .03 0	245 4.90 57	61 1.27 15	36 1.58 18	52.0 .84 10	.1	-- --	469 465	360 115	0.7 1.7	X C
	22N/02W-04C02 M																			
07/30/85	5050 1130 0000	0 F 18 C			7.2	590	--	--	--	--	--	--	--	--	--	-- --				S
	22N/02W-07N01 M																			
07/30/85	5050 1110 0000	73.0F 22.8C			7.2	530	--	--	--	--	--	--	--	--	--	-- --				S
	22N/03W-06N01 M																			
07/30/85	5050 1045 0000				7.8	510	--	--	--	--	--	--	--	--	--	-- --				S
	23N/01W-09L01 M																			
06/24/85	5050 0930 0000	66.0F 18.9C			7.1	625	--	--	--	--	--	--	--	--	--	-- --				S
	23N/01W-16R01 M																			
06/24/85	5050 1000 0000	65.0F 18.3C			7.4	505	--	--	--	--	--	--	--	--	--	-- --				S
	23N/02W-04A02 M																			
06/18/85	5050 1345 0000	63.0F 17.2C			7.0	460	--	--	--	--	--	--	--	--	--	-- --				S
	23N/02W-04A04 M																			
06/18/85	5050 1335 0000	64.0F 17.8C			7.0	485	--	--	--	--	--	--	--	--	--	-- --				S
	23N/02W-05A01 M																			
06/06/85	5050 1350 5050	71.0F 21.6C			7.8	330 333	20 1.00	15 1.23	--	--	--	--	5.0 .14	--	--	-- --		112		S
	23N/03W-27N01 M																			
06/19/85	5050 1150 5050				7.4 8.3	425 435	40 2.00 46	18 1.48 34	21 .91 21	--	168 3.36	--	21 .59	10.0 .16	--	-- --		174 6	0.7 1.4	S
	23N/03W-35R02 N																			
06/19/85	5050 1205 5050	74.0F 23.3C			7.3	400 407	41 2.05	16 1.32	--	--	--	--	20 .56	--	--	-- --		168		S
	24N/01W-36A02 M																			
06/18/85	5050 1215 0000				7.3	267	--	--	--	--	--	--	--	--	--	-- --				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS	TH	SAR	PER
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER TURB SIO2		MILLIGRAMS PER LITER SUM	NCH	ASAR	
	A A-13 A-13.A		SACRAMENTO HA TEHAMA NU RED BLUFF HA															
	24N/02W-14K01 M																	
06/18/85 1245	5050 0000	73.0F 22.8C	7.1	380	--	--	--	--	--	--	--	--	--	-- --				
	24N/02W-30C01 M																	
06/18/85 1415	5050 0000		7.3	710	--	--	--	--	--	--	--	--	--	-- --				
	24N/03W-14M01 M																	
06/18/85 1439	5050 0000	72.0F 22.2C	7.6	249	--	--	--	--	--	--	--	--	--	-- --				
	24N/03W-17M01 M																	
06/19/85 1150	5050 0000		6.8	280	--	--	--	--	--	--	--	--	--	-- --				
	24N/03W-20N01 M																	
06/19/85 1115	5050 0000	67.0F 19.4C	6.9	220	--	--	--	--	--	--	--	--	--	-- --				
	24N/03W-24P01 M																	
06/18/85 1425	5050 0000	74.0F 23.3C	7.3	720	--	--	--	--	--	--	--	--	--	-- --				
	25N/02W-07K01 M																	
06/19/83 1430	5050 0000	64.0F 17.8C	7.2	580	--	--	--	--	--	--	--	--	--	-- --				
	25N/02W-16F01 M																	
06/18/85 1145	5050 0000	69.0F 20.5C	7.3	268	--	--	--	--	--	--	--	--	--	-- --				
	25N/03W-01G02 M																	
06/19/85 1450	5050 0000	72.0F 22.2C	7.0	580	--	--	--	--	--	--	--	--	--	-- --				
	25N/03W-03N01 M																	
06/19/85 1415	5050 0000	70.0F 21.1C	7.5	380	--	--	--	--	--	--	--	--	--	-- --				
	25N/03W-22001 M																	
06/19/85 1340	5050 5050		7.1	340 351	22 1.10	19 1.56	--	--	--	--	24 .68	--	--	-- --		133		S
	25N/03W-31R01 M																	
06/19/85 1030	5050 0000	73.0F 22.8C	7.1	520	--	--	--	--	--	--	--	--	--	-- --				
	25N/04W-26A01 M																	
06/19/85 1000	5050 0000	70.0F 21.1C	7.3	270	--	--	--	--	--	--	--	--	--	-- --				
	25N/05W-17M01 M																	
05/29/85 1130	5050 5050	69.0F 20.5C	8.2 7.2	525 522	12 .60 11	10 .82 15	90 3.92 73	.7 .02 0	215 4.30 79	3.0 .06 1	39 1.10 20	.0 .00 0	.1	-- --	304 284	71 0	4.6 7.8	
	26N/02W-15M01 M																	
06/18/85 1129	5050 0000	73.0F 22.8C	7.0	235	--	--	--	--	--	--	--	--	--	-- --				S
	26N/02W-16C01 M																	
06/18/85 1119	5050 0000	75.0F 23.9C	7.1	395	--	--	--	--	--	--	--	--	--	-- --				S
	26N/03W-03N01 M																	
06/19/85 0905	5050 5050	68.0F 20.0C	7.1 8.3	460 458	43 2.19 45	23 1.89 40	16 .70 15	.8 .02 0	177 3.54 74	26 .54 11	16 .45 9	15.0 .24 5	.2	-- --	294 246	202 25	0.5 1.0	
	26N/03W-04F01 M																	
06/19/85 0900	5050 0000		7.0	310	--	--	--	--	--	--	--	--	--	-- --				S
	26N/03W-26C01 M																	
06/19/85 1530	5050 5050		7.1 7.9	380 361	25 1.25 33	24 1.97 51	14 .61 16	--	136 2.72	--	12 .34	16.0 .26	--	-- --		161 29	0.5 0.9	S
	26N/03W-32A02 M																	
06/19/85 0930	5050 0000	71.0F 21.6C	7.1	105	--	--	--	--	--	--	--	--	--	-- --				S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TIPO	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE						MILLIGRAMS PER LITER			
	A A-13 A-13.R		SACRAMENTO HR TEHAMA HU RED BLUFF HA															
	26N/03W-36F01 M																	
06/19/65 1515	5050 0000	68.0F 20.0C	7.7	390	--	--	--	--	--	--	--	--	--	-- --				S
	26N/03W-36K01 M																	
06/19/85 1500	5050 0000	74.0F 23.3C	7.6	425	--	--	--	--	--	--	--	--	--	-- --				S
	26N/04W-10001 M																	
06/19/85 0750	5050 0000		7.6	380	--	--	--	--	--	--	--	--	--	-- --				S
	27N/02W-30C02 M																	
06/18/85 1625	5050 0000	75.0F 23.9C	7.0	295	--	--	--	--	--	--	--	--	--	-- --				S
	27N/03W-03H01 M																	
06/06/85 1450	5050 5050	74.0F 23.3C	8.0 7.9	700 680	28 1.40 22	12 .99 15	90 3.92 61	5.3 .14 2	128 2.56 40	2.0 .04 1	134 3.78 59	1.0 .02 0	1.4	-- --	418 350	120 0	3.6 5.9	
	27N/03W-03N01 M																	
06/06/85 1545	5050 5050	72.0F 22.2C	7.8 8.0	290 279	22 1.10 37	6.0 .49 16	31 1.35 45	2.8 .07 2	128 2.56 86	8.0 .17 6	9.0 .25 8	.0 .00 0	.0	-- --	209 156	80 0	1.9 2.3	E T
	27N/03W-03P02 M																	
06/05/85 1535	5050 5050	72.0F 22.2C	7.6 8.1	380 366	29 1.45 39	11 .90 24	30 1.31 35	3.4 .09 2	127 2.54 67	39 .81 21	15 .42 11	.0 .00 0	.1	-- --	271 204	118 0	1.2 2.0	E T
	27N/03W-03P03 M																	
06/05/85 1340	5050 5050	73.0F 22.8C	8.0 8.2	285 283	16 .80 27	5.0 .41 14	38 1.65 56	3.0 .08 3	123 2.46	--	12 .34	.1 .00	--	-- --		60 0	2.1 3.0	S
	27N/03W-03P04 M																	
07/01/85 1000	5050 5050	65.0F 18.3C	7.9 8.4	303 280	19 .95 32	5.0 .41 14	36 1.57 52	2.9 .07 2	125 2.50 85	7.0 .15 5	10 .28 10	.0 .00 0	.1	-- --	208 155	68 0	1.9 2.8	E T
	27N/03W-08M01 M																	
06/18/85 0740	5050 0000	68.0F 20.0C	7.3	315	--	--	--	--	--	--	--	--	--	-- --				S
	27N/03W-09P01 M																	
06/04/85 1100	5050 5050	68.0F 20.0C	7.1 7.6	290 283	26 1.30 43	13 1.07 35	14 .61 20	2.1 .05 2	130 2.60 88	7.0 .15 5	5.0 .14 5	4.4 .07 2	.0	-- --	201 149	119 0	0.6 1.0	E T
	27N/03W-09R02 M																	
08/23/85 1000	5050 5050		8.5	415	40 2.00 45	22 1.81 41	12 .52 12	2.7 .07 2	155 3.10 67	31 .65 14	11 .31 7	34.0 .55 12	.1	-- --	370 246	191 36	0.4 0.7	E T S
	27N/03W-10B01 M																	
06/04/85 1010	5050 5050	68.0F 20.0C	7.3 7.8	340 362	24 1.20 33	16 1.32 37	23 1.00 28	2.6 .07 2	92 1.84 51	62 1.29 36	14 .39 11	4.4 .07 2	.1	-- --	272 201	126 34	0.9 1.4	E T
	27N/03W-10B02 M																	
06/06/85 1105	5050 5050	72.0F 22.2C	7.4 8.0	280 274	16 .80 30	8.0 .66 24	27 1.17 43	2.8 .07 3	84 1.68 61	36 .75 27	7.0 .20 7	7.3 .12 4	.1	-- --	230 155	73 0	1.4 1.8	E T
	27N/03W-10C01 M																	
06/06/85 1420	5050 5050		7.3 7.8	355 349	24 1.20 32	12 .99 27	33 1.44 39	3.2 .08 2	127 2.54 69	31 .65 18	16 .45 12	3.9 .06 2	.1	-- --	257 199	110 0	1.4 2.3	E T
	27N/03W-10G01 M																	
06/06/85 1140	5050 5050	71.0F 21.6C	7.6 8.1	420 415	15 .75 19	7.0 .58 14	60 2.61 65	3.8 .10 2	113 2.26 56	27 .56 14	43 1.21 30	2.4 .04 1	.2	-- --	290 226	66 0	3.2 4.4	T
	27N/03W-10G02 M																	
06/06/85 1205	5050 5050	72.0F 22.2C	7.3 7.4	365 355	22 1.10 30	16 1.32 35	28 1.22 33	3.2 .08 2	108 2.16 62	29 .60 17	23 .65 19	6.2 .10 3	.1	-- --	258 192	121 13	1.1 1.8	E T S
	27N/03W-10G03 M																	
07/01/85 0930	5050 5050	66.0F 18.9C	7.0 8.3	600 551	44 2.20 36	34 2.80 45	25 1.09 18	3.9 .10 2	167 3.34 58	53 1.10 19	26 .73 13	36.0 .55 10	.1	-- --	386 322	250 83	0.7 1.4	E S
	27N/03W-10Q01 M																	
06/04/85 1030	5050 5050	64.0F 17.8C	8.0 8.0	285 283	15 .75 25	6.0 .49 16	38 1.65 56	3.2 .08 3	123 2.46 85	6.0 .12 4	11 .31 11	.3 .00 0	.1	-- --	214 153	62 0	2.1 3.0	E T
	27N/03W-11L01 M																	
07/15/85 0930	5050 5050	70.0F 21.1C	7.2 8.0	450 454	9.0 .45 10	8.0 .66 15	72 3.13 73	1.8 .05 1	98 1.96 45	18 .37 9	69 1.95 45	3.1 .05 1	.8	-- --	296 240	56 0	4.2 5.2	

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	A A-13 A-13.R		SACRAMENTO HR TEHAMA HU RED BLUFF HA															
	27N/03W-11P01 M																	
07/19/85 0910	5050 5050	70.0F 21.1C	7.2 8.0	600 616	13 .65 11	9.0 .74 13	100 4.35 75	1.7 .04 1	104 2.08 33	39 .81 13	112 3.16 51	9.7 .16 3	2.2	-- --	370 340	70 0	5.2 7.0	S
	27N/03W-11P02 M																	
07/19/85 0840	5050 5050	65.0F 18.3C	7.1 8.0	600 614	21 1.05 18	16 1.32 22	80 3.48 50	1.4 .04 1	132 2.64 45	7.0 .15 3	93 2.62 45	26.0 .42 7	1.0	-- --	383 325	119 0	3.2 8.3	
	27N/03W-14R01 M																	
07/19/85 0805	5050 5050	67.0F 19.4C	7.2 8.2	980	24 1.20 13	18 1.48 17	143 6.22 65	2.5 .06 1	129 2.58 29	11 .23 3	219 6.18 68	2.3 .04 0	3.2	-- --	558 500	134 5	5.4 9.0	
	27N/03W-14G01 M																	
07/19/85 0830	5050 5050	65.0F 18.3C	7.6 8.2	540 483	22 1.10 22	15 1.23 25	60 2.61 52	2.4 .06 1	170 3.40 69	9.0 .19 4	36 1.02 21	20.0 .32 6	.8	-- --	310 267	117 0	2.4 4.3	
	27N/03W-14H01 M																	
06/28/85 	5050 5050	69.0F 20.5C	7.3 8.4	460 459	19 .95 20	14 1.15 24	59 2.57 54	2.2 .06 1	166 3.32 71	9.0 .19 4	31 .87 19	20.0 .32 7	.8	-- --	300 255	105 0	2.9 4.3	
07/19/85 	5050 5050	67.0F 19.4C	7.2 8.2	500 542	21 1.05 21	15 1.23 24	62 2.70 54	2.3 .06 1	113 2.26 44	6.0 .12 2	91 2.57 50	9.3 .15 3	1.4	-- --	319 276	114 1	2.5 4.0	
	27N/03W-14H02 M																	
06/28/85 	5050 5050	67.0F 19.4C	7.1 8.4	470 465	39 1.95 36	26 2.14 40	29 1.26 23	2.4 .06 1	196 3.80 76	14 .29 6	22 .62 12	20.0 .32 6	.2	-- --	299 267	205 15	0.9 1.8	S
07/22/85 	5050 5050	65.0F 18.3C	7.0 8.2	500 494	38 1.90 36	26 2.14 40	28 1.22 23	2.1 .05 1	194 3.88 74	12 .25 5	28 .79 15	21.0 .34 6	.2	-- --	314 272	202 8	0.9 1.8	
	27N/03W-14H01 M																	
06/04/85 1310	5050 5050	61.0F 16.1C	6.7 8.1	700 694	37 1.85 28	32 2.63 39	50 2.18 33	1.4 .04 1	161 3.22 48	17 .35 5	98 2.76 41	23.0 .37 6	1.1	-- --	430 356	224 63	1.5 2.9	
	27N/03W-15C01 M																	
06/04/85 0940	5050 5050	65.0F 18.3C	6.9 8.1	575 569	49 2.45 41	32 2.63 45	18 .78 13	2.0 .05 1	211 4.22 70	28 .58 10	28 .79 13	27.0 .44 7	.0	-- --	360 311	254 43	0.5 1.1	
	27N/03W-15C02 M																	
06/04/85 0950	5050 5050	74.0F 23.3C	7.3 8.2	320 306	23 1.15 38	9.0 .74 25	24 1.04 34	3.6 .09 3	117 2.34 76	12 .25 8	13 .37 12	7.5 .12 4	.1	-- --	229 162	94 0	1.1 1.7	E T
	27N/03W-15E01 M																	
06/04/85 0925	5050 5050	65.0F 18.3C	7.0 8.3	640 617	50 2.50 39	36 2.96 46	22 .96 15	2.3 .06 1	221 4.42 68	19 .40 6	43 1.21 19	27.0 .44 7	.6	-- --	401 332	273 52	0.6 1.3	
	27N/03W-15K02 M																	
06/06/85 0905	5050 5050	66.0F 18.9C	6.8 7.4	710 693	31 1.55 23	28 2.30 34	66 2.87 42	1.6 .04 1	174 3.48 51	13 .27 4	105 2.96 44	5.8 .09 1	1.3	-- --	412 356	193 19	2.1 4.1	
	27N/03W-15K03 M																	
06/06/85 1345	5050 5050	72.0F 22.2C	7.1 7.7	615 602	30 1.50 26	24 1.97 34	53 2.31 40	1.6 .04 1	139 2.78 48	8.0 .17 3	97 2.74 47	8.1 .13 2	1.1	-- --	382 306	174 35	1.7 3.3	
	27N/03W-15M02 M																	
06/05/85 1515	5050 5050	70.0F 21.1C	6.8 7.9	675 647	46 2.30 35	37 3.04 46	28 1.22 18	1.6 .04 1	184 3.68 56	27 .56 8	69 1.95 29	27.0 .44 7	.4	-- --	413 348	267 83	0.7 1.6	
	27N/03W-15M03 M																	
06/06/85 1025	5050 5050		7.0 8.0	650 640	31 1.55 25	28 2.30 37	54 2.35 38	1.3 .03 0	151 3.02 49	13 .27 4	99 2.79 45	8.8 .14 2	1.1	-- --	408 327	193 42	1.7 3.3	
	27N/03W-15N01 M																	
06/04/85 0905	5050 5050	68.0F 20.0C	7.1 8.3	660 652	48 2.40 36	31 2.55 38	38 1.65 25	2.7 .07 1	196 3.92 60	20 .42 6	60 1.69 26	34.0 .55 8	.7	-- --	427 352	248 52	1.1 2.3	
	27N/03W-15N02 M																	
06/06/85 0915	5050 5050	70.0F 21.1C	6.9 7.6	645 627	38 1.90 30	33 2.71 42	46 1.74 27	1.5 .04 1	190 3.80 59	20 .42 7	68 1.92 30	16.0 .26 4	.6	-- --	392 331	231 41	1.1 2.4	
	27N/03W-15P01 M																	
06/06/85 0850	5050 5050	71.0F 21.6C	7.1 7.8	520 509	27 1.35 27	22 1.81 36	42 1.87 37	1.6 .04 1	144 2.88 57	13 .27 5	58 1.64 32	18.0 .29 6	.8	-- --	317 270	158 14	1.5 2.7	
	27N/03W-16G01 M																	
06/06/85 0840	5050 5050	68.0F 20.0C	7.5 8.0	350 345	31 1.55 42	16 1.32 36	17 .74 20	2.5 .06 2	156 3.12 85	12 .25 7	6.0 .17 5	8.4 .14 4	.0	-- --	246 186	144 0	0.6 1.1	E T

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER		MILLIGRAMS PER LITER			
	A A-13 A-13.A		SACRAMENTO HR TEHAMA HIJ RED BLUFF WA															
	27N/03W-16L01 M																	
08/23/85	0000				39	26	17	1.1	155	32	14	38.0	.1	--	290	205	0.5	
1030	5050		8.6	460	1.95	2.14	.74	.03	3.10	.67	.39	.61		--	260	50	1.0	
					40	44	15	1	65	14	8	13						
	27N/03W-16N02 M																	
06/28/85	5050	64.0F	6.9	295	29	18	10	1.2	96	23	6.0	18.0	.0	--	188	147	0.4	
	5050	17.8C	8.4	283	1.45	1.48	.44	.03	1.92	.48	.17	.29		--	163	51	0.6	
					43	44	13	1	67	17	6	10						S
	27N/03W-17G02 M																	
06/18/85	5050	71.0F	7.1	223	18	13	14	--	97	--	6.0	.0	--	--		98	0.8	
0725	5050	21.6C	7.9	218	.90	1.07	.61		1.94		.17	.00		--		2	0.9	
					35	41	24											S
	27N/03W-19A01 M																	
08/18/85	5050		7.9	240	--	--	--	--	--	--	--	--	--	-- --				
0950	0000																	S
	27N/03W-19C01 M																	
06/05/85	5050		7.3	230	14	8.0	20	.4	98	5.0	4.0	6.2	.0	--	150	68	1.1	
1620	0000		8.0	220	.70	.66	.87	.01	1.96	.10	.11	.10		--	116	0	1.4	T
					31	29	39	0	86	4	5	4						
	27N/03W-20A01 M																	
06/04/85	5050	64.0F	7.5	275	22	10	18	--	121	--	4.0	4.6	--	--		96	0.8	
0730	5050	17.8C	8.3	261	1.10	.82	.78		2.42		.11	.07		--		0	1.3	
					41	30	29											S
	27N/03W-20F01 M																	
09/13/85	5050	66.0F	7.6	239	22	9.0	14	1.5	109	4.0	3.0	5.2	.0	--	166	92	0.6	E
1355	5050	18.9C	8.4	234	1.10	.74	.61	.04	2.18	.08	.08	.08		--	124	0	1.0	T
					44	30	24	2	90	3	3	3						
	27N/03W-20K01 M																	
09/13/85	5050	66.0F	6.8	305	29	13	13	.6	119	13	6.0	13.0	.0	--	191	126	0.5	
1335	5050	18.9C	8.4	300	1.45	1.07	.57	.02	2.38	.27	.17	.21		--	159	7	0.9	
					47	34	18	1	79	9	6	7						
	27N/03W-20Q04 M																	
09/13/85	5050	65.0F	7.0	320	29	14	15	1.2	138	14	7.0	2.0	.0	--	186	130	0.6	
1330	5050	18.3C	8.5	306	1.45	1.15	.65	.03	2.76	.29	.20	.03		--	165	0	1.0	
					44	35	20	1	84	9	6	1						
	27N/03W-21C01 M																	
06/04/85	5050	66.0F	7.3	295	24	14	13	1.7	113	17	6.0	16.0	.1	--	204	118	0.5	
0800	5050	18.9C	8.2	294	1.20	1.15	.57	.04	2.26	.35	.17	.26		--	160	5	0.9	T
					41	39	19	1	74	12	6	9						
08/20/85	5060				--	--	--	--	--	--	--	17.0	--	.2				
	5060											.27		--				S
	27N/03W-22A01 M																	
08/25/85	5050	63.0F	7.1	645	20	16	78	2.6	121	8.0	103	8.8	1.3	--	355	116	3.2	
1410	5050	17.2C	8.3	602	1.00	1.32	3.39	.07	2.42	.17	2.90	.14		--	310	0	5.1	
					17	23	59	1	43	3	52	2						
	27N/03W-22B02 M																	
07/15/85	5050	62.0F	7.1	580	21	16	70	2.3	130	17	81	13.0	1.6	--	347	119	2.8	
0950	5050	16.7C	8.1	576	1.05	1.32	3.03	.06	2.60	.35	2.28	.21		--	300	0	4.7	
					19	24	56	1	48	6	42	4						
	27N/03W-22B03 M																	
06/21/85	5050	64.0F	7.3	555	25	19	57	1.7	138	12	71	13.0	1.1	--	327	141	2.1	
1115	5050	17.8C	8.2	539	1.25	1.56	2.48	.04	2.76	.25	2.00	.21		--	283	3	3.7	
					23	29	47	1	53	5	38	4						
	27N/03W-22D01 M																	
06/21/85	5050	64.0F	7.0	515	26	19	46	1.1	120	23	61	16.0	.9	--	312	143	1.7	
1025	5050	17.8C	8.0	506	1.30	1.56	2.00	.03	2.40	.48	1.72	.29		--	267	23	2.9	
					27	32	41	1	49	10	35	6						
	27N/03W-23001 M																	
06/04/85	5050	63.0F	7.0	585	24	20	63	--	147	--	71	18.0	--	--		142	2.2	
1300	5050	17.2C	8.2	573	1.20	1.64	2.65		2.94		2.00	.29		--		0	4.0	
					22	30	48											S
	27N/03W-25D01 M																	
08/21/85	5050	67.0F	7.1	363	29	22	12	1.8	150	17	7.0	16.0	.1	--	244	163	0.4	
1320	5050	19.4C	7.9	362	1.45	1.81	.52	.05	3.00	.35	.20	.26		--	195	13	0.8	
					36	47	14	1	79	9	5	7						
	27N/03W-27H01 M																	
08/21/85	5050	61.0F	6.8	600	38	28	38	1.4	141	59	53	17.0	.7	--	362	210	1.1	
1050	5050	16.1C	8.1	578	1.90	2.30	1.65	.04	2.82	1.23	1.49	.27		--	320	69	2.2	
					32	39	28	1	49	21	26	5						
	27N/03W-27K01 M																	
08/26/85	5050	62.0F	7.1	440	20	14	56	2.2	130	19	41	11.0	.9	--	268	108	2.3	
1520	5050	16.7C	8.3	435	1.00	1.15	2.44	.06	2.60	.40	1.16	.18		--	242	0	3.9	
					22	25	52	1	60	9	27	4						S
	27N/03W-27P01 M																	
07/15/85	5050	62.0F	7.1	560	30	20	51	2.8	135	31	58	26.0	.8	--	339	137	1.8	
0920	5050	16.7C	7.9	549	1.50	1.64	2.22	.07	2.70	.65	1.64	.42		--	301	22	3.2	
					28	30	41	1	50	12	30	8						

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER: B	F	TDS	TH	SAR	REM
	A A-13 A-13.B	SACRAMENTO HA TEHAMA HU RED BLUFF HA																
	27N/03W-28A02 M																	
06/28/85	5050	64.0F	7.1	340	27	18	19	2.0	126	26	6.0	12.0	.2	--	219	142	0.7	
	5050	17.8C	8.4	331	1.35	1.48	.83	.05	2.52	.54	.17	.19		--	188	16	1.2	
					36	40	22	1	74	16	5	6						S
	27N/03W-28C03 M																	
06/21/85	5050	73.0F	7.1	235	26	12	10	--	89	--	4.0	6.5	--	--		115	0.4	
1300	5050	22.8C	8.0	227	1.30	.99	.44		1.78		.11	.10		--		26	0.6	
					48	36	16											S
	27N/03W-31A01 M																	
06/18/85	5050	69.0F	7.5	265	22	10	19	1.2	23	--	3.0	4.9	--	.2		96	0.8	
0930	5050	20.5C	8.0	260	1.10	.82	.83	.03	.46		.08	.08		--		73	0.7	
					40	29	30	1										S
	27N/04W-01W02 M																	
06/18/85	5050	70.0F	7.3	242	--	--	--	--	--	--	--	--	--	--				
0835	0000	21.1C												--				
																		S
	27N/04W-03J01 M																	
06/18/85	5050		7.3	242	--	--	--	--	--	--	--	--	--	--				
0850	0000													--				
																		S
	27N/04W-05E02 M																	
06/27/85	5050	71.0F	7.7	300	22	15	22	.7	152	3.0	5.0	3.6	.1	--	179	117	0.9	
0800	5050	21.6C	8.3	301	1.10	1.23	.96	.02	3.04	.06	.14	.06		--	163	0	1.6	
					33	37	29	1	92	2	4	2						
	27N/04W-12F01 M																	
06/18/85	5050	72.0F	7.5	268	--	--	--	--	--	--	--	--	--	--				
0905	0000	22.2C												--				
	27N/04W-24C01 M																	
06/18/85	5050	73.0F	7.3	300	--	--	--	--	--	--	--	--	--	--				
0910	0000	22.8C												--				
	27N/04W-26J01 M																	
06/19/85	5050	72.0F	6.8	320	--	--	--	--	--	--	--	--	--	--				
0730	0000	22.2C												--				
	28N/03W-28A01 M																	
06/18/85	5050	71.0F	7.4	800	--	--	--	--	--	--	--	--	--	--				
0800	0000	21.6C												--				
	28N/03W-29G01 M																	
06/18/85	5050	67.0F	7.1	558	--	--	--	--	--	--	--	--	--	--				
0820	0000	19.4C												--				
	A-14 A-14.C A-14.C1	STONY CREEK HU FOUTS SPRINGS HA MIDDLE FORK STONY HSA																
	18N/06W-29C01 M																	
07/17/85	8200		7.1	400	44	11	23	2.0	145	3.0	34	.0	--	.2	225	155	0.8	
	5867				2.20	.90	1.00	.05	2.90	.06	.96	.00		--	204	10	1.5	
					53	22	24	1	74	2	24	0						S
	A-17 A-17.A	REDDING HU ENTERPRISE FLAT HA																
	29N/03W-05G02 M																	
07/01/85	5050	68.0F	6.8	210	15	12	--	--	--	--	3.0	--	--	--		87		
0815	5050	20.0C		209	.75	.99					.08			--				
																		S
	30N/03W-04M01 M																	
07/01/85	5050	67.0F	7.1	197	--	--	--	--	--	--	--	--	--	--				
0815	0000	19.4C												--				
																		S
	30N/03W-18F02 M																	
07/01/85	5050	73.0F	7.1	203	15	13	8.0	--	93	--	2.0	4.9	--	--		91	0.4	
0740	5050	22.8C	8.3	201	.75	1.07	.35		1.86		.06	.08		--		0	0.5	
					35	49	16											S
	30N/03W-34001 M																	
07/01/85	5050	69.0F	6.8	320	--	--	--	--	--	--	--	--	--	--				
0839	0000	20.9C												--				
																		S
	30N/04W-01E01 M																	
07/01/85	5050	65.0F	7.3	180	--	--	--	--	--	--	--	--	--	--				
0800	0000	18.3C												--				
																		S
	30N/04W-08R01 M																	
07/01/85	5050	68.0F	7.1	130	--	--	--	--	--	--	--	--	--	--				
0959	0000	20.0C												--				
																		S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	FIELD LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	4		SACRAMENTO HA															
	A-17		REDDING HU															
	A-17.A		ENTERPRISE FLAT HA															
	30N/04W-15M03 M																	
07/01/85	5050	69.0F	6.8	295	--	--	--	--	--	--	--	--	--	--				
0945	0000	20.5C												--				
																		S
	30N/04W-36Q01 M																	
07/01/85	5050	68.0F	7.1	220	--	--	--	--	--	--	--	--	--	--				
0930	0000	20.0C												--				
																		S
	31N/03W-05J01 M																	
07/01/85	5050	71.0F	6.7	215	--	--	--	--	--	--	--	--	--	--				
1500	0000	21.6C												--				
																		S
	31N/03W-10Q02 M																	
07/01/85	5050	65.0F	6.5	195	--	--	--	--	--	--	--	--	--	--				
1450	0000	18.3C												--				
																		S
	31N/03W-12E01 M																	
07/03/85	5050	66.0F	7.0	182	19	8.0	9.0	2.6	84	3.0	5.0	1.9	.0	--	107	80	0.4	
0845	5050	18.9C	6.2	180	.95	.66	.39	.07	1.68	.06	.14	.03		--	99	0	0.6	
					46	32	19	3	88	3	7	2						S
	31N/04W-12A01 M																	
07/01/85	5050	69.0F	7.3	300	13	9.0	--	--	--	--	26	--	--	--		70		
	5050	20.5C		301	.65	.74					.73			--				
																		S
	31N/04W-15R01 M																	
07/01/85	5050	72.0F	7.1	220	--	--	--	--	--	--	--	--	--	--				
1430	0000	22.2C												--				
	31N/04W-15Q03 M																	
07/01/85	5050	72.0F	7.0	200	--	--	--	--	--	--	--	--	--	--				
1400	0000	22.2C												--				
	31N/04W-20J01 M																	
07/01/85	5050		7.0	240	--	--	--	--	--	--	--	--	--	--				
1340	0000													--				
	31N/05W-25K01 M																	
07/01/85	5050	68.0F	7.2	300	--	--	--	--	--	--	--	--	--	--				
1020	0000	20.0C												--				
	32N/03W-35C01 M																	
07/03/85	5050	73.0F	6.8	375	23	16	27	2.5	116	3.0	45	.0	.1	--	247	124	1.1	
0900	5050	22.8C	6.7	373	1.15	1.32	1.17	.06	2.32	.06	1.27	.00		--	186	8	1.8	T
					31	36	32	2	64	2	35	0						
	A-17.B		LOWER COTTONWOOD HA															
	29N/04W-11G04 M																	
07/01/85	5050	68.0F	7.1	180	--	--	--	--	--	--	--	--	--	--				
0745	0000	20.0C												--				
																		S
	30N/04W-35R01 M																	
07/01/85	5050	68.0F	6.8	200	--	--	--	--	--	--	--	--	--	--				
0900	0000	20.0C												--				
																		S
	A-23		PIT RIVER HU															
	A-23.C		MCARTHUR HA															
	A-23.C1		BIG LAKE HSA															
	37N/05E-01C01 M																	
08/05/85	5050	62.0F	7.8	230	14	5.0	22	--	85	--	5.0	--	.1	--		56	1.3	
1200	5050	16.7C	8.4	207	.70	.41	.96		1.70		.14			--		0	1.6	
					34	20	46											S
	37N/05E-19Q01 M																	
08/05/85	5050	63.0F	7.2	300	--	--	--	--	--	--	--	--	--	--				
0940	0000	17.2C												--				
																		S
	37N/06E-19L01 M																	
08/05/85	5050	62.0F	7.7	355	--	--	--	--	--	--	--	--	--	--				
1145	0000	16.7C												--				
																		S
	38N/06E-31D01 M																	
08/05/85	5050	61.0F	8.1	190	--	--	--	--	--	--	--	--	--	--				
1220	0000	16.1C												--				
																		S
	A-23.0		BIG VALLEY HA															
	A-23.01		BIERER HSA															
	37N/07E-02D01 M																	
08/05/85	5050	67.0F	7.3	230	--	--	--	--	--	--	--	--	--	--				
1345	0000	19.4C												--				
																		S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
	A	SACRAMENTO RA																
	A-23	PIT RIVER HU																
	A-23.0	BIG VALLEY HA																
	A-23.01	BIFBER HSA																
	37N/07E-13A01 M																	
08/05/85	5050	60.0F	7.0	1280	--	--	--	--	--	--	--	--	--	--				
1450	0000	15.5C												--				
																		S
	38N/07E-02P01 M																	
08/05/85	5050	68.0F	7.1	540	31	18	49	--	194	--	42	8.0	--	--		152	1.7	
1415	5050	20.0C	8.5	519	1.55	1.48	2.13		3.88		1.18	.13		--		0	3.4	
					30	29	41											S
	38N/07E-23D01 M																	
08/09/85	5050	72.0F	7.3	220	--	--	--	--	--	--	--	--	--	--				
1330	0000	22.2C												--				
																		S
	38N/07E-28N09 M																	
08/05/85	5050	64.0F	7.1	190	--	--	--	--	--	--	--	--	--	--				
1230	0000	17.8C												--				
																		S
	38N/07E-32A06 M																	
08/05/85	5050	62.0F	7.3	200	10	8.0	18	--	49	--	6.0	4.0	--	--		58	1.0	
1245	5050	16.7C	8.4	182	.50	.66	.78		1.78		.17	.06		--		0	1.3	
					26	34	40											S
	38N/08E-17K01 M																	
08/09/85	5050	66.0F	7.5	220	--	--	--	--	--	--	--	--	--	--				
1515	0000	18.9C												--				
																		S
	38N/08E-30R01 M																	
08/09/85	5050	65.0F	7.1	930	--	--	--	--	--	--	--	--	--	--				
1435	0000	18.3C												--				
																		S
	38N/09E-21L01 M																	
08/09/85	5050	70.0F	7.5	329	--	--	--	--	--	--	--	--	--	--				
1525	0000	21.1C												--				
																		S
	39N/07E-13D01 M																	
08/05/85	5050	63.0F	7.0	240	--	--	--	--	--	--	--	--	--	--				
1600	0000	17.2C												--				
																		S
	39N/08E-23A02 M																	
08/09/85	5050	60.0F	6.9	260	--	--	--	--	--	--	--	--	--	--				
1620	0000	15.5C												--				
																		S
	39N/09E-28F20 M																	
08/05/85	5050	63.0F	7.4	185	--	--	--	--	--	--	--	--	--	--				
1630	0000	17.2C												--				
																		S
	A-23.E	UPPER PIT RIVER HA																
	A-23.E1	CANBY HSA																
	41N/11E-01F03 M																	
08/05/85	5050	70.0F	7.2	260	--	--	--	--	--	--	--	--	--	--				
1755	0000	21.1C												--				
																		S
	41N/11E-10G02 M																	
08/05/85	5050	60.0F	8.4	460	1.0	.0	101	7.6	159	41	18	.4	.2	--	329	2	31.1	E
1745	5050	15.5C	8.7	480	.05	.00	4.39	.19	3.18	.85	.51	.01		--	268	0	0.0	
					1	0	95	4	70	19	11	0						
	42N/10E-22G01 M																	
08/05/85	5050	67.0F	7.4	320	23	10	26	--	128	--	4.0	5.3	--	--		98	1.1	
1655	5050	19.4C	8.4	309	1.15	.82	1.13		2.56		.11	.09		--		0	1.9	
					37	26	36											S
	42N/11E-18R01 M																	
08/05/85	5050	60.0F	7.4	160	--	--	--	--	--	--	--	--	--	--				
1715	0000	15.5C												--				
																		S
	A-23.E2	ALTURAS HSA																
	39N/13E-08001 M																	
08/08/85	5050	70.0F	7.0	500	39	16	36	6.9	178	16	16	37.0	.0	--	323	164	1.2	
1320	5050	21.1C	8.7	476	1.95	1.32	1.57	.18	3.56	.33	.45	.60		--	274	0	2.4	
					39	26	31	4	72	7	9	12						
	40N/13E-30P01 M																	
08/05/85	5050	73.0F	8.0	275	--	--	--	--	--	--	--	--	--	--				
1305	0000	22.8C												--				
																		S
	41N/12E-12L01 M																	
08/05/85	5050	64.0F	7.4	1000	--	--	--	--	--	--	--	--	--	--				
1140	0000	17.8C												--				
																		S
	41N/12E-27R01 M																	
08/08/85	5050	75.0F	8.3	270	--	--	--	--	--	--	--	--	--	--				
1245	0000	23.9C												--				
																		S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
					MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER					MILLIGRAMS PER LITER				
									MILLIEQUIVALENTS PER LITER									
									PERCENT REACTANCE VALUE									
	4	SACRAMENTO MR																
	4-23	PIT RIVER HH																
	4-23.F	UPPER PIT RIVER HA																
	4-23.E2	ALTURAS HSA																
	42N/11E-24A01 M																	
08/05/85	5050	62.0F	7.3	220	--	--	--	--	--	--	--	--	--	--				
1830	0000	16.7C												--				
																		S
	42N/12E-11J01 M																	
08/07/85	5050	65.0F	7.7	340	--	--	--	--	--	--	--	--	--	--				
1650	0000	18.3C												--				
																		S
	42N/12E-27B01 M																	
08/09/85	5050	68.0F	7.2	400	30	9.0	34	8.0	125	26	24	8.4	.3	--	287	112	1.4	E
1230	5050	20.0C	8.5	386	1.50	.74	1.48	.20	2.50	.54	.68	.14		--	219	0	2.3	T
					38	19	38	5	65	14	18	4						
	42N/13E-05G02 M																	
08/09/85	5050	70.0F	7.3	345	--	--	--	--	--	--	--	--	--	--				
1030	0000	21.1C												--				
																		S
	42N/13E-21K02 M																	
08/08/85	5050	62.0F	7.6	310	--	--	--	--	--	--	--	--	--	--				
1055	0000	16.7C												--				
																		S
	44N/14E-07K01 M																	
08/06/85	5050	60.0F	7.1	630	--	--	--	--	--	--	--	--	--	--				
0845	0000	15.5C												--				
																		S
	4-24	LAKEVIEW HH																
	4-24.A	DAVIS CREEK HA																
	45N/13E-12L02 M																	
08/05/85	5050	70 F	7.6	330	--	--	--	--	--	--	--	--	--	--				
0920	0000	21 C												--				
																		S
	45N/14E-32L01 M																	
08/05/85	5050	63.0F	7.0	310	--	--	--	--	--	--	--	--	--	--				
0900	0000	17.2C												--				
																		S
	47N/14E-02H01 M																	
08/06/85	5050	65.0F	7.3	190	17	4.0	16	--	--	--	1.0	--	.1	.4		59	0.0	
1115	5050	18.3C		178	.85	.33	.70				.03			--				
					45	18	37											
	47N/14E-14A02 M																	
08/05/85	5050	56.0F	6.9	185	--	--	--	--	--	--	--	--	--	--				
1100	0000	13.3C												--				
																		S
	48N/14E-23K01 M																	
08/06/85	5050	55.0F	6.8	350	38	11	16	--	--	--	7.0	--	--	--		140	0.0	
1150	5050	12.8C		340	1.90	.90	.70				.20			--				
					54	26	20											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER CA	MG	NA	K	MILLIGRAMS PER LITER PERCENT REACTANCE VALUE CACO3	SO4	CL	NO3	MILLIGRAMS PER LITER B TURB	F SIO2	TDS SUM	TH MCH	SAR ASAR	REM
	B		SAN JOAQUIN MA															
	B-01		SAN JOAQUIN DELTA MU															
	01N/03E-17E01 M																	
08/01/85	5050		7.3	1315	90	40	111	--	230	--	191	--	--	--		389	2.5	
1330	5050		8.7	1270	4.49	3.29	4.92		4.60		5.39			--		159	5.9	
					33	26	39											S
	01N/04E-03N01 M																	
07/10/85	5050	68 F	7.9	1277	53	30	226	--	424	--	166	--	--	--		256	6.1	
0900	5050	20 C	8.4	1290	2.64	2.47	9.83		8.47		4.68			--		0	14.9	
					18	17	68											S
	01N/06E-03C01 M																	
08/16/85	5701	68 F			4.0	2.0	30	.6	119	4.0	17	1.0	--	.1		18	5.9	
1540	5701	20 C	8.0	245	.20	.16	2.52	.02	2.38	.08	.48	.02		58.0	216	0	5.1	
					7	6	87	1	80	3	16	1						
	01N/06E-04B01 M																	
09/05/85	5701	64 F			8.0	4.0	36	.9	127	2.0	24	1.0	--	.1		38	4.0	
1500	5701	18 C	8.0	320	.40	.33	2.44	.02	2.54	.04	.68	.02		36.0	228	0	4.8	
					13	10	76	1	77	1	21	1						
	02N/06E-32G01 M																	
07/09/85	5050	66 F	8.1	927	18	9.0	178	2.8	174	6.0	191	.0	1.1	--	548	82	8.6	
0830	5050	19 C	8.0	944	.90	.74	7.74	.07	3.48	.12	5.39	.00		--	510	0	13.6	
					10	8	82	1	39	1	60	0						S
	02N/06E-33A01 M																	
07/24/85	5701	68 F			14	4.0	51	1.9	132	11	15	1.0	--	.1		52	3.1	
1100	5701	20 C	7.9	325	.70	.33	2.22	.03	2.64	.23	.42	.02		38.0	234	0	4.2	
					21	10	67	2	80	7	13	1						
	02N/06E-33F01 M																	
08/21/85	5701	64 F			13	6.0	68	1.3	164	1.0	29	1.0	--	.1		36	4.0	
1330	5701	18 C	7.9	335	.65	.49	2.96	.03	3.28	.02	.82	.02		54.0	272	0	5.8	C
					16	12	72	1	79	0	20	0						
	02N/06E-33G01 M																	
07/24/85	5701	68 F			24	12	43	1.6	196	12	24	1.0	--	.1		108	1.8	
1130	5701	20 C	8.0	375	1.20	.99	1.87	.04	3.12	.25	.68	.02		47.0	258	0	3.1	
					29	24	46	1	77	6	17	0						
	02N/06E-33K01 M																	
09/05/85	5701	64 F			15	6.0	35	2.2	113	8.0	15	1.0	--	.1		65	1.9	
1100	5701	18 C	7.9	270	.75	.49	1.52	.06	2.26	.17	.42	.02		30.0	180	0	2.6	
					27	17	54	2	79	6	15	1						
	03N/05E-25E02 M																	
02/21/85	5050	63 F		1243	--	--	--	--	--	--	--	--	--	--				
1700	0000	17 C												--				
05/02/85	5050			1134	--	--	--	--	--	--	--	--	--	--				
1445	0000													--				
06/05/85	5050			1124	--	--	--	--	--	--	--	--	--	--				
1300	0000													--				
07/02/85	5050			1172	--	--	--	--	--	--	--	--	--	--				
1115	0000													--				
08/01/85	5050			1128	--	--	--	--	--	--	--	--	--	--				
1130	0000													--				
	03N/05E-26H02 M																	
02/21/85	5050			1734	--	--	--	--	--	--	--	--	--	--				
1615	0000													--				
05/02/85	5050			1782	--	--	--	--	--	--	--	--	--	--				
1100	0000													--				
06/05/85	5050			1664	--	--	--	--	--	--	--	--	--	--				
1300	0000													--				
07/02/85	5050			1626	--	--	--	--	--	--	--	--	--	--				
0945	0000													--				
08/01/85	5050			1619	--	--	--	--	--	--	--	--	--	--				
1100	0000													--				
	03N/05E-26H03 M																	
02/21/85	5050	62 F		1748	--	--	--	--	--	--	--	--	--	--				
1530	0000	17 C												--				
05/02/85	5050			1673	--	--	--	--	--	--	--	--	--	--				
1400	0000													--				
06/05/85	5050			1669	--	--	--	--	--	--	--	--	--	--				
1415	0000													--				
07/02/85	5050			1684	--	--	--	--	--	--	--	--	--	--				
1030	0000													--				
08/01/85	5050			1710	--	--	--	--	--	--	--	--	--	--				
1130	0000													--				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	A TURB	F SIO2	TDS SUM	TH NCM	SAR ASAR	REM
						MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
	R			SAN JOAQUIN NR															
	R-01			SAN JOAQUIN DELTA MU															
	03N/05E-26K01 M																		
02/21/85 1430	5050 0000	63 17	F C		2468	--	--	--	--	--	--	--	--	--	-- --				
05/02/85	5050 0000				2320	--	--	--	--	--	--	--	--	--	-- --				
06/05/85 1000	5050 0000				2353	--	--	--	--	--	--	--	--	--	-- --				
07/02/85 0800	5050 0000				2109	--	--	--	--	--	--	--	--	--	-- --				
08/01/85 0930	5050 0000				1916	--	--	--	--	--	--	--	--	--	-- --				
	03N/05E-26L01 M																		
02/21/85 1345	5050 0000				524	--	--	--	--	--	--	--	--	--	-- --				
05/02/85 0930	5050 0000				478	--	--	--	--	--	--	--	--	--	-- --				
06/05/85 0900	5050 0000				497	--	--	--	--	--	--	--	--	--	-- --				
07/02/85 0715	5050 0000				512	--	--	--	--	--	--	--	--	--	-- --				
08/01/85 0830	5050 0000				481	--	--	--	--	--	--	--	--	--	-- --				
	04N/05E-08A02 M																		
02/21/85 0900	5050 0000				246	--	--	--	--	--	--	--	--	--	-- --				
05/01/85 1130	5050 0000				220	--	--	--	--	--	--	--	--	--	-- --				
06/04/85 1030	5050 0000				257	--	--	--	--	--	--	--	--	--	-- --				
07/01/85 1130	5050 0000				255	--	--	--	--	--	--	--	--	--	-- --				
07/31/85 1115	5050 0000				262	--	--	--	--	--	--	--	--	--	-- --				
	04N/05E-08A03 M																		
05/01/85 1445	5050 0000				1352	--	--	--	--	--	--	--	--	--	-- --				
06/06/85 0900	5050 0000				1282	--	--	--	--	--	--	--	--	--	-- --				
07/02/85 1300	5050 0000				1134	--	--	--	--	--	--	--	--	--	-- --				
07/31/85 1315	5050 0000				839	--	--	--	--	--	--	--	--	--	-- --				
	04N/05E-08R01 M																		
02/21/85 1230	5050 0000	63 17	F C		420	--	--	--	--	--	--	--	--	--	-- --				
05/01/85 1530	5050 0000	65 18	F C		396	--	--	--	--	--	--	--	--	--	-- --				
06/04/85 1500	5050 0000				401	--	--	--	--	--	--	--	--	--	-- --				
07/01/85 1145	5050 0000				388	--	--	--	--	--	--	--	--	--	-- --				
07/31/85 1145	5050 0000				388	--	--	--	--	--	--	--	--	--	-- --				

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP		FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TIDR	F STD2	TDS SUM	TH NCH	SAR ASAR	PER
						MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
	R				SAN JOAQUIN WA														
	R-01				SAN JOAQUIN DELTA HU														
	04N/05E-08G02 M																		
02/21/85	5050				714	--	--	--	--	--	--	--	--	--	--				
0950	0000														--				
04/01/85	5050				784	--	--	--	--	--	--	--	--	--	--				
1300	0000														--				
06/06/85	5050				876	--	--	--	--	--	--	--	--	--	--				
1030	0000														--				
07/01/85	5050				975	--	--	--	--	--	--	--	--	--	--				
1430	0000														--				
07/31/85	5050				1122	--	--	--	--	--	--	--	--	--	--				
1500	0000														--				
	04N/05E-08N03 M																		
02/21/85	5050				2122	--	--	--	--	--	--	--	--	--	--				
1040	0000														--				
05/01/85	5050				2448	--	--	--	--	--	--	--	--	--	--				
1389	0000														--				
06/06/85	5050				2478	--	--	--	--	--	--	--	--	--	--				
1000	0000														--				
07/01/85	5050				2592	--	--	--	--	--	--	--	--	--	--				
1400	0000														--				
07/31/85	5050				2652	--	--	--	--	--	--	--	--	--	--				
1415	0000														--				
	01S/03E-15A01 M																		
08/01/85	5050	72	F	7.9	2015	30	12	370	--	258	--	399	--	--	--		125	14.4	
1430	5050	22	C	8.6	1970	1.50	.99	16.10		5.15		11.14			--		0	27.0	
						8	5	67											S
	02S/04E-16A01 M																		
07/09/85	5050	66	F	7.7	1944	53	52	298	--	219	--	274	--	--	--		346	7.0	
1200	5050	19	C	8.3	1960	2.64	4.28	12.96		4.38		7.73			--		127	18.6	
						13	22	65											S
	02S/05E-25D02 M																		
07/09/85	5050	68	F	7.9	1698	165	72	164	--	174	--	310	--	--	--		758	2.6	
1115	5050	20	C	8.2	1990	9.23	5.92	7.13		3.48		8.74			--		588	4.4	
						41	27	32											S
	A-02				NORTH DIABLO RANGE HU														
	02N/02E-20A01 M																		
07/25/85	5050	67	F	7.5	1710	87	64	198	5.2	274	218	208	60.0	.7	--	1070	481	3.9	
1600	5050	19	C	8.4	1650	4.34	5.26	8.61	.13	5.47	4.54	5.87	.97		--	1004	707	9.8	
						24	29	47	1	32	27	35	6						S
	R-03				NORTH VALLEY FLOOR HU														
	R-03.A				LOWER COSUMNES-DRY WA														
	R-03.A2				HERALD WSA														
	05N/07E-11R02 M																		
07/16/85	5050	69	F	7.3	147	6.0	3.0	21	--	53	--	6.0	--	--	--		28	1.7	
1300	5050	21	C	7.0	155	.30	.25	.91		1.06		.17			--		0	1.1	
						21	17	62											S
	05N/08E-26P01 M																		
07/12/85	5050			7.3	130	11	6.0	16	--	52	--	5.0	--	--	--		52	1.0	
1015	5050			8.3	143	.55	.49	.70		1.04		.14			--		0	1.0	
						32	28	40											S
	06N/06E-33J02 M																		
07/17/85	5050	68	F	7.3	186	13	8.0	16	--	68	--	9.0	--	--	--		66	0.9	
1015	5050	20	C	8.1	198	.65	.66	.70		1.36		.25			--		0	1.0	
						32	33	35											S
	06N/08E-21P03 M																		
07/16/85	5050	73	F	7.3	202	3.0	1.0	40	--	67	--	6.0	--	--	--		12	5.0	
1330	5050	23	C	7.4	212	.15	.08	1.74		1.34		.17			--		0	2.3	
						8	4	86											S
	07N/07E-08R02 M																		
07/17/85	5050	67	F	7.3	245	22	13	12	--	109	--	5.0	--	--	--		109	0.5	
1300	5050	19	C	8.0	259	1.10	1.07	.52		2.18		.14			--		0	0.8	
						41	40	19											S
	07N/07E-14R01 M																		
07/16/85	5050			7.3	230	19	11	12	--	96	--	5.0	--	--	--		92	0.5	
1430	5050			7.7	237	.95	.90	.52		1.92		.14			--		0	0.5	
						40	38	22											S
	07N/07E-33G01 M																		
07/16/85	5050	68	F	7.3	248	18	12	17	--	103	--	12	--	--	--		94	0.8	
1400	5050	20	C	7.3	255	.90	.99	.74		2.08		.34			--		0	1.2	
						34	38	26											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD LABORATORY PH	EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	THMR	SIO2	F	TDS SUM	TH NCH	SAR ASAR	BEM
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER						
	R		SAN JOAQUIN MA																
	R-03		NORTH VALLEY FLOOR HU																
	R-03.A		LOWER MOKELUMNE MA																
	02N/06E-16C02 M																		
07/11/85	5050	65 F	7.5	538	68	24	20	--	195	--	40	--	--	--			268	0.5	
1015	5050	18 C	8.4	571	3.39	1.97	.87		3.90		1.13			--			73	1.2	
					54	32	14												S
	02N/06E-22E01 M																		
07/24/85	5701	64 F			70	28	28	3.0	233	63	33	2.0	--	.1			290	0.7	
1400	5701	18 C	7.7	625	3.49	2.30	1.22	.08	4.66	1.31	.93	.03		45.0	412		57	1.6	
					49	32	17	1	67	19	13	0							
	02N/06E-22G01 M																		
07/15/85	5701	64 F			28	13	26	4.0	148	18	11	1.0	--	.1			122	1.0	
1040	5701	18 C	7.9	340	1.40	1.07	1.13	.10	2.96	.37	.31	.02		54.0	244		0	1.8	
					38	29	31	3	81	10	8	1							
	02N/06E-22D01 M																		
07/15/85	5701	64 F			40	20	23	5.1	184	32	10	4.0	--	.1			182	0.7	
1125	5701	18 C	7.7	440	2.00	1.64	1.00	.13	3.68	.67	.28	.06		51.0	298		0	1.5	
					42	34	21	3	78	14	6	1							
	03N/06E-17H03 M																		
07/11/85	5050	69 F	7.5	661	43	30	43	--	202	--	33	--	--	--			231	1.2	
0945	5050	18 C	8.4	665	2.15	2.47	1.87		4.04		.93			--			29	2.6	
					33	38	29												S
	03N/07E-16C06 M																		
07/11/85	5050	65 F	7.1	585	66	29	49	--	204	--	26	--	--	--			284	1.3	
1245	5050	18 C	8.4	611	3.29	2.38	2.13		4.08		.73			--			80	2.8	
					42	31	27												S
	04N/05E-24J03 M																		
07/11/85	5050	65 F	7.7	501	57	24	57	--	226	--	9.0	--	--	--			241	1.6	
0800	5050	18 C	8.5	531	2.84	1.97	2.48		4.52		.25			--			15	3.5	
					39	27	34												S
	04N/06E-16R07 M																		
07/11/85	5050		7.5	241	22	12	16	--	118	--	4.0	--	--	--			105	0.7	
0900	5050		8.4	261	1.10	.99	.70		2.36		.11			--			0	1.1	
					39	34	25												S
	04N/07E-15E01 M																		
07/12/85	5050	68 F	7.1	266	26	13	22	--	92	--	21	--	--	--			119	0.9	
1530	5050	20 C	8.2	272	1.30	1.07	.96		1.84		.59			--			27	1.4	
					39	32	29												S
	04N/07E-29E02 M																		
07/12/85	5050		7.1	455	49	26	30	--	156	--	21	--	--	--			229	0.9	
1500	5050		8.3	479	2.45	2.14	1.31		3.12		.59			--			74	1.8	
					42	36	22												S
	04N/08E-22K02 M																		
07/12/85	5050	68 F	7.3	281	28	18	18	--	108	--	21	--	--	--			144	0.7	
1130	5050	20 C	8.2	292	1.40	1.48	.78		2.16		.59			--			36	1.1	
					38	40	21												S
	05N/06E-3AC03 M																		
07/12/85	5050	68 F	7.3	339	43	22	20	--	146	--	12	--	--	--			198	0.6	
0915	5050	20 C	8.4	365	2.15	1.81	.87		2.92		.34			--			52	1.2	
					45	37	18												S
	R-03.C		LOWER CALAVERAS MA																
	01N/06E-01J01 M																		
08/14/85	5701	66 F			60	24	25	6.3	212	17	52	26.0	--	.1			250	0.7	
1330	5701	19 C	7.6	630	2.99	1.97	1.09	.16	4.24	.35	1.47	.42		60.0	397		36	1.5	
					48	32	18	3	65	5	23	6							S
	01N/06E-02M01 M																		
09/04/85	5701				12	6.0	102	1.1	101	2.0	129	1.0	--	.1			55	4.0	
1530	5701		8.1	625	.60	.49	4.44	.03	2.02	.04	3.64	.02		51.0	365		0	7.3	
					11	9	80	1	35	1	64	0							
	01N/06E-02Q01 M																		
08/21/85	5701	63 F			29	12	101	1.5	103	2.0	160	1.0	--	.1			120	4.0	
1600	5701	17 C	7.5	719	1.45	.99	4.39	.04	2.06	.04	4.51	.02		54.0	424		19	6.3	
					21	14	64	1	31	1	68	0							S
	01N/06E-11P03 M																		
09/03/85	5701				18	8.0	90	1.0	121	2.0	106	3.0	--	.1			76	4.9	
1533	5701		8.1	399	.90	.66	3.92	.03	2.42	.04	2.99	.05		51.0	352		0	6.5	
					16	12	71	1	44	1	54	1							
	01N/06E-12C09 M																		
07/15/85	5701	70 F			58	31	123	4.1	116	1.0	298	1.0	--	.1			270	3.3	
0725	5701	21 C	7.7	1240	2.89	2.55	5.35	.10	2.32	.02	8.40	.02		56.0	642		156	6.3	
					27	23	49	1	22	0	78	0							
	01N/06E-12F01 M																		
08/14/85	5701	68 F			10	8.0	102	1.7	151	1.0	92	1.0	--	.1			58	5.8	
1155	5701	20 C	7.8	600	.50	.66	4.44	.04	3.02	.02	2.59	.02		64.0	370		0	8.3	
					9	12	79	1	53	0	46	0							
	01N/06E-12K03 M																		
07/24/85	5701	64 F			38	17	43	2.6	138	7.0	84	2.0	--	.1			164	1.5	
0920	5701	18 C	7.7	530	1.90	1.40	1.87	.07	2.76	.15	2.37	.03		47.0	323		27	2.7	
					36	27	36	1	52	3	45	1							
	01N/07E-08F02 M																		
08/14/85	5701	68 F			15	8.0	46	2.0	141	5.0	18	1.0	--	.1			72	2.4	
1120	5701	20 C	7.9	300	.75	.66	2.00	.05	2.82	.10	.51	.02		48.0	239		0	3.6	
					22	19	58	1	82	3	15	1							

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP		FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B TIRR	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
						MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				MILLIGRAMS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	R		SAN JOAQUIN HR																
	B-03		NORTH VALLEY FLOOR NU																
	B-03.C		LOWER CALAVERAS HA																
	01N/07E-08P01 M																		
07/15/85	5701	68	F			10	5.0	43	2.1	114	6.0	13	2.0	--	.1		48	2.7	
1040	5701	20	C	7.8	255	.50	.41	1.87	.05	2.28	.12	.37	.03		80.0	209	0	3.4	
						18	14	66	2	81	4	13	1						
	02N/06E-26L01 M																		
07/19/85	5701					29	17	16	6.0	148	21	7.0	4.0	--	.1		142	0.6	
1200	5701			7.7	345	1.45	1.40	.70	.15	2.96	.44	.20	.06		62.0	251	0	1.1	
						39	38	19	4	81	12	5	2						
	02N/06E-27K01 M																		
08/14/85	5701	59	F			43	21	22	5.9	197	30	17	1.0	--	.1		194	0.7	
0930	5701	15	C	7.8	440	2.15	1.73	.96	.15	3.94	.62	.46	.02		51.0	309	0	1.4	
						43	35	19	3	78	12	9	0						
	02N/06E-27P01 M																		
08/21/85	5701					25	12	32	3.0	150	14	13	1.0	--	.1		112	1.3	
1400	5701			7.8	325	1.25	.99	1.39	.08	3.00	.29	.37	.02		51.0	241	0	2.3	
						34	27	37	2	62	8	10	1						
	02N/06E-34R01 M																		
06/20/85	5701	68	F			72	35	36	3.5	239	66	40	56.0	--	.1		324	0.9	
1045	5701	20	C	7.7	820	3.59	2.88	1.65	.09	4.78	1.37	1.13	.90		60.0	514	85	2.2	
						44	35	20	1	58	17	14	11						
08/07/85	5701	66	F			83	41	41	8.6	266	70	44	80.0	--	.1		376	0.9	
1530	5701	19	C	7.8	840	4.14	3.37	1.78	.22	5.31	1.46	1.24	1.29		77.0	604	110	2.2	
						44	35	19	2	57	16	13	14						
	02N/06E-34Q01 M																		
07/24/85	5701	59	F			63	33	76	3.9	120	4.0	230	1.0	--	.1		292	2.0	
1500	5701	15	C	7.6	980	3.14	2.71	3.39	.10	2.40	.08	6.49	.02		45.0	530	173	3.9	
						34	29	36	1	27	1	72	0						S
	02N/06E-36Q01 M																		
08/14/85	5701	66	F			30	16	26	5.7	153	11	16	6.0	--	.1		140	0.7	
1315	5701	19	C	7.9	340	1.50	1.32	.87	.15	3.06	.23	.45	.10		64.0	260	0	1.4	
						39	34	23	4	80	6	12	3						
	02N/06E-36R03 M																		
08/21/85	5701	64	F			56	28	22	5.6	223	18	25	26.0	--	.1		254	0.6	
1305	5701	18	C	7.4	560	2.79	2.30	.96	.14	4.46	.37	.71	.42		64.0	380	32	1.3	
						45	37	16	2	75	6	12	7						S
	02N/07E-12J02 M																		
07/10/85	5050	65	F	7.1	792	98	47	33	--	288	--	25	76.0	--	--		438	0.7	
1600	5050	18	C	8.4	818	4.89	3.87	1.44		5.75		.71	1.23		--		151	1.7	
						48	38	14											S
	02N/07E-20E04 M																		
07/12/85	5050	64	F	7.5	348	44	22	21	--	146	--	7.0	--	--	--		201	0.6	
1415	5050	18	C	8.3	365	2.20	1.81	.91		2.92		.20			--		55	1.3	
						45	37	18											S
	02N/08E-21J01 M																		
07/10/85	5050	67	F	7.5	239	25	14	18	--	118	--	4.0	--	--	--		120	0.6	
1530	5050	19	C	8.4	250	1.25	1.15	.70		2.36		.11			--		2	1.1	
						40	37	23											S
	A-03.0		QUCK-LITTLEJOHNS HA																
	01N/06E-13J01 M																		
07/24/85	5701	64	F			18	8.0	36	1.9	110	10	22	1.0	--	.1		76	1.8	
0945	5701	18	C	7.7	290	.90	.66	1.57	.05	2.20	.21	.62	.02		49.0	212	0	2.6	
						28	21	49	2	72	7	20	1						
	01N/07E-17Q01 M																		
07/15/85	5701	66	F			11	6.0	50	2.2	126	9.0	19	1.0	--	.1		52	3.0	
1030	5701	19	C	7.8	295	.55	.49	2.18	.06	2.52	.19	.54	.02		60.0	234	0	4.0	
						17	15	66	2	77	6	17	1						
	01N/07E-17P01 M																		
07/10/85	5050	65	F	7.7	322	26	13	22	--	112	--	26	--	--	--		119	0.9	
1015	5050	18	C	8.4	340	1.30	1.07	.96		2.24		.79			--		7	1.4	
						39	32	29											S
	01N/07E-18R01 M																		
08/21/85	5701	68	F			9.0	5.0	43	1.5	122	1.0	12	1.0	--	.1		44	3.0	
1045	5701	20	C	7.9	245	.45	.41	1.96	.04	2.44	.02	.34	.02		59.0	206	0	3.7	
						16	14	69	1	87	1	12	1						
	01N/07E-18N01 M																		
08/21/85	5701	63	F			31	10	30	2.5	124	9.0	30	1.0	--	.1		118	1.2	
1415	5701	17	C	8.0	360	1.55	.82	1.31	.06	2.46	.19	.85	.02		36.0	224	0	2.0	
						41	22	35	2	70	5	24	1						S
	01N/07E-18L01 N																		
08/21/85	5701	64	F			10	5.0	50	1.6	132	1.0	14	1.0	--	.1		48	3.1	
1110	5701	18	C	7.9	275	.50	.41	2.16	.04	2.64	.02	.45	.02		58.0	222	0	4.2	
						16	13	70	1	84	1	14	1						
	01N/08E-15J01 M																		
07/10/85	5050	67	F	7.1	758	82	52	36	--	286	--	46	--	--	--		419	0.8	
1445	5050	19	C	8.4	801	4.09	4.28	1.57		5.71		1.30			--		133	1.9	
						41	43	16											S
	01N/09E-16F01 M																		
07/16/85	5050	66	F	7.3	241	27	14	17	--	91	--	14	--	--	--		125	0.7	
1030	5050	19	C	8.2	257	1.35	1.15	.74		1.82		.39			--		34	1.0	
						42	35	23											S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	FIELD EC	LABORATORY MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER					
						CA	MG	NA	K	CACO3	SO4	CL	NO3	THRR	B	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
		R				SAN JOAQUIN HA														
		R-03				NORTH VALLEY FLOOR HU														
		R-03.0				DUCK-LITTLEJOHNS HA														
		01S/08E-1A001 M																		
07/10/85	5050		17	F 7.4	510	50	24	27	--	230	--	13	--	--	--		224	0.8		
1330	5050		19	C 8.3	530	2.50	1.97	1.17		4.60		.37			--		0	1.7		
						44	35	21												S
		R-04				MIDDLE SIERRA HU														
		R-04.P				SUTTER CREEK HA														
		07N/12E-34Q01 M																		
02/05/85	7748					35	6.2	6.0	--	98	1.5	6.0	--	--	--		132	115	0.2	
	5884			7.2	220	1.75	.51	.26		1.96	.03	.17			--		113	15	0.4	
						69	20	10												

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLED LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	THRO	SIO2	SIO4	NCH	ASAR	REM
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE								MILLIGRAMS PER LITER					
	G	NORTH LAMONTAN WB																
	G-08	SUSANVILLE WH																
	G-08.A	WERLONG WA																
	21N/18E-19J01 M																	
06/12/85	5050	67.0F	7.4	308	26	15	--	--	--	--	5.0	--	--	--		127		
0850	5050	19.4C		304	1.30	1.23					.14			--				
	22N/17E-04K01 M																	
06/12/85	5050	60.0F	7.3	350	--	--	--	--	--	--	--	--	--	--				
0930	0000	15.5C												--				5
	22N/17E-26J01 M																	
06/12/85	5050	57.0F	7.5	520	44	22	23	9.1	188	24	25	14.0	.0	--	33R	201	0.7	
0930	5050	13.9C	8.4	502	2.20	1.81	1.00	.23	3.76	.50	.71	.23		--	274	13	1.5	
					42	34	19	4	72	10	14	4						
	23N/17E-02N01 M																	
06/12/85	5050	69.0F	7.1	700	--	--	--	--	--	--	--	--	--	--				
1010	0000	20.5C												--				5
	25N/17E-04N01 M																	
07/09/85	5050	66.5F	7.3	327	30	9.0	--	--	--	--	10	--	.0	.2		112		
1020	5050	19.1C		318	1.50	.74					.28			--				5
	25N/17E-08N03 M																	
07/09/85	5050	57.0F	6.8	320	32	9.0	--	--	--	--	4.0	--	.0	.1		117		
0950	5050	13.9C		313	1.60	.74					.11			--				5
	25N/17E-20R01 M																	
06/13/85	5050	61.0F	7.3	470	42	14	32	1.4	192	12	8.0	14.0	.0	.2	280	163	1.1	
1030	5050	16.1C	6.6	441	2.10	1.15	1.39	.04	3.84	.25	.23	.23		--	239	0	2.2	
					45	25	30	1	84	5	5	5						
	25N/17E-21N01 M																	
06/13/85	5050	61.0F	7.0	198	18	5.0	15	1.1	79	8.0	4.0	6.6	.0	.2	136	66	0.8	E
1100	5050	16.1C	7.1	192	.90	.41	.65	.03	1.58	.17	.11	.11		--	105	0	1.0	T
					45	21	33	2	80	9	6	6						
	25N/17E-29H01 M																	
06/12/85	5050	58.0F	7.0	215	24	4.0	12	1.4	84	--	4.0	--	.0	.1		76	0.8	
1050	5050	14.4C	7.3	210	1.20	.33	.52	.04	1.68		.11			--		0	0.8	
					57	16	25	2										5
	26N/15E-02R01 M																	
07/08/85	5050	65.0F	7.6	235	22	6.0	--	--	--	--	3.0	--	.0	.1		80		
1600	5050	18.3C		224	1.10	.49					.08			--				5
	26N/16E-02G01 M																	
06/12/85	5050	66.0F	7.6	458	29	9.0	53	5.0	180	--	14	--	.2	.3		110	2.2	
1230	5050	18.9C	7.7	445	1.45	.74	2.31	.13	3.60		.39			--		0	3.9	
					31	16	50	3										5
	26N/16E-03D02 M																	
06/12/85	5050	71.0F	8.2	515	10	2.0	95	16	144	--	19	--	.2	.4		33	7.2	
1300	5050	21.6C	8.1	516	.50	.16	4.13	.41	2.88		.54			--		0	8.4	
					10	3	79	8										5
	26N/16E-06N01 M																	
06/12/85	5050	60.0F	7.1	450	29	12	47	4.2	124	--	14	--	.2	.3		122	1.9	
1310	5050	15.5C	8.0	442	1.45	.99	2.04	.11	2.48		.39			--		0	3.1	
					32	22	44	2										5
	26N/16E-13E03 M																	
06/12/85	5050	60.0F	7.0	700	54	13	82	4.3	193	122	20	8.8	.4	1.0	444	188	2.6	
1435	5050	15.5C	8.0	668	2.69	1.07	3.57	.11	3.86	2.54	.56	.14		--	420	0	9.3	
					36	14	48	1	54	36	8	2						5
	26N/16E-16Q01 M																	
06/12/85	5050	60.0F	7.0	410	41	12	33	3.0	147	36	11	14.0	.1	.1	267	152	1.2	
1600	5050	15.5C	7.9	400	2.05	.99	1.44	.08	2.94	.75	.31	.23		--	258	5	2.2	
					45	22	32	2	70	18	7	5						5
	26N/17E-18R01 M																	
06/12/85	5050	64.0F	7.3	745	32	4.0	129	2.5	192	45	29	96.0	.4	1.2	498	96	4.7	
1400	5050	17.8C	8.2	724	1.60	.33	5.61	.06	3.84	.94	.82	1.55		--	453	0	9.9	
					21	4	74	1	54	13	11	22						5
	26N/17E-19E01 M																	
06/12/85	5050	67.0F	7.4	950	50	38	76	6.1	153	259	10	1.6	.2	1.0	680	282	2.0	E
1410	5050	19.4C	8.1	912	2.50	3.13	3.31	.16	3.06	5.39	.28	.03		--	593	129	4.1	T
					27	34	36	2	35	62	3	0						5
	27N/14F-22A01 M																	
07/09/85	5050	65.0F	7.3	325	8.0	2.0	--	--	--	--	4.0	--	.1	.4		28		
1115	5050	18.3C		326	.40	.16					.11			--				5
	27N/14E-24E01 M																	
07/10/85	5050	60.0F	7.0	310	24	6.0	34	2.0	140	14	4.0	1.2	.0	--	202	90	1.6	
1345	5050	15.5C	7.8	303	1.30	.49	1.48	.05	2.80	.29	.11	.02		--	171	0	2.5	
					39	15	45	2	87	9	3	1						
	27N/14E-26E01 M																	
06/11/85	5050	64.0F	6.8	175	--	--	--	--	--	--	--	--	--	--				
1450	0000	17.8C												--				5

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	F STOD	TDS SUM	TH NCH	SAR ASAR	REM
			LABORATORY PH	LABORATORY EC	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	G G-OR G-OR.A		NORTH LAMONTAN HA SUSANVILLE MU HERLONG HA															
27N/14E-26E02 M																		
07/09/85	5050		7.0	90	--	--	--	--	--	--	--	--	--	--				
1055	0000													--				S
27N/14E-26F05 M																		
06/11/85	5050	64.0F	6.8	115	--	--	--	--	--	--	--	--	--	--				
1500	0000	17.8C												--				S
27N/15E-29R01 M																		
07/10/85	5050	69.0F	7.9	230	20	4.0	24	1.4	93	18	2.0	.2	.0	--	149	66	1.3	
1320	5050	20.5C	7.5	224	1.00	.33	1.04	.04	1.86	.37	.06	.00		--	129	0	1.7	
					41	14	43	2	81	16	3	0						
27N/16E-35R01 M																		
06/12/85	5050	63.0F	7.3	675	45	15	66	9.9	160	134	27	4.9	.3	.4	483	186	2.2	
1240	5050	17.2C	7.1	662	2.25	1.48	2.96	.25	3.20	2.79	.76	.08		--	403	27	4.2	
					32	21	43	4	47	41	11	1						
27N/16E-36C04 M																		
06/12/85	5050	63.0F	7.1	1180	120	37	95	3.5	168	356	49	23.0	.3	.4	844	452	1.9	F
1220	5050	17.2C	7.6	1130	5.99	3.04	4.13	.09	3.36	7.41	1.38	.40		--	787	284	4.4	
					45	23	31	1	27	59	11	3						S
28N/17E-18K01 M																		
06/11/85	5050	60.0F	8.7	330	6.0	1.0	64	2.9	106	26	14	2.2	.1	.2	209	19	6.4	
0940	5050	15.5C	8.1	318	.30	.08	2.78	.07	2.12	.54	.39	.04		--	180	0	5.3	
					9	2	86	2	69	17	13	1						
28N/17E-25R01 M																		
07/10/85	5050	82.0F	8.4	275	5.0	1.0	51	--	96	--	10	--	.2	--		16	5.5	
1100	5050	27.8C	7.6	262	.25	.08	2.22		1.92		.28			--		0	4.0	
					10	3	87											S
G-OR.A			SUSAN RIVER HA															
27N/14E-06R01 M																		
07/09/85	5050	54.5F	7.0	210	21	8.0	--	--	--	--	1.0	--	.0	.1		86		
1135	5050	12.5C		217	1.05	.66					.03			--				S
28N/13E-02M01 M																		
07/09/85	5050	64.0F	7.3	595	40	22	--	--	--	--	33	--	.0	.2		191		
1235	5050	17.8C		571	2.00	1.81					.93			--				S
28N/13E-05A01 M																		
07/11/85	5050		6.8	205	--	--	--	--	--	--	--	--	--	--				
0910	0000													--				S
28N/13E-09E01 M																		
06/11/85	5050	69.0F	6.8	205	21	7.0	9.0	1.5	--	--	3.0	--	.0	.2		82	0.0	
1420	5050	20.5C		203	1.05	.58	.39	.04			.08			--				S
28N/13E-10N01 M																		
07/09/85	5050	65.0F	6.9	257	24	12	--	--	--	--	6.0	--	.0	.1		110		
1215	5050	18.3C		258	1.20	.99					.17			--				S
28N/13E-14A03 M																		
07/09/85	5050	61.0F	7.4	220	19	6.0	--	--	--	--	2.0	--	.0	.1		72		
1305	5050	16.1C		213	.95	.49					.06			--				S
28N/13E-25L01 M																		
06/11/85	5050	64.0F	7.1	160	16	3.0	10	1.8	--	--	3.0	--	.0	.2		52	0.0	
1405	5050	17.8C		159	.80	.25	.44	.05			.08			--				S
28N/14E-02B02 M																		
07/09/85	5050	61.0F	7.5	1900	50	36	217	--	240	--	399	.0	.2	--		273	5.7	
1530	5050	16.1C	8.0	1790	2.50	2.96	9.44		4.80		11.25	.00		--		33	12.6	
					17	20	63											S
28N/14E-03C02 M																		
09/25/85	5050	62.5F	7.8	790	19	12	136	4.9	223	64	73	1.2	.6	--	470	97	6.0	
0920	5050	16.9C	8.6	775	.95	.99	5.92	.13	4.46	1.33	2.06	.02		--	444	0	10.8	
					12	12	74	2	57	17	26	0						
28N/14E-06H01 M																		
06/11/85	5050	73.0F	7.8	430	4.0	3.0	88	6.3	--	--	10	--	.3	.5		22	0.0	
1350	5050	22.8C		425	.20	.25	3.82	.16			.28			--				S
28N/14E-07A01 M																		
07/10/85	5050	61.0F	7.3	290	8.0	3.0	--	--	--	--	6.0	4.4	.2	--		32		
1235	5050	16.1C		262	.40	.25					.17	.07		--				S
28N/14E-07J01 M																		
07/10/85	5050	60.0F	7.3	340	38	9.0	--	--	--	--	3.0	--	.1	.2		132		
1230	5050	15.5C		334	1.90	.74					.08			--				S
28N/14E-08A01 M																		
09/25/85	5050	60.0F	8.0	420	--	--	--	--	--	--	--	--	--	--				
0900	0000	15.5C												--				S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	B	F	TDS	TH NCH	SAR ASAR	REM
			LABORATORY		MINERAL CONSTITUENTS IN				MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	G G-08 G-08.A		NORTH LAMONTAN NA SUSANVILLE NU SUSAN RIVER NA															
	28N/14E-08J01 M																	
07/09/85 1330	5050 5050	71.0F 21.6C	7.9	375 364	7.0 .35	2.0 .16	--	--	--	--	18 .51	--	.3	.2 --		26		S
	28N/14E-17R02 M																	
06/11/85 1305	5050 5050	60.0F 15.5C	7.8 8.0	318 308	28 1.40 41	5.0 .41 12	36 1.57 46	.3 .01 0	126 2.52 79	21 .44 14	7.0 .20 6	2.3 .04 1	.0	.1 --	201 175	90 0	1.7 2.6	S
	28N/14E-31M04 M																	
06/11/85 1430	5050 0000	69.0F 20.5C	6.8	165	--	--	--	--	--	--	--	--	--	-- --				S
	28N/16E-08R01 M																	
06/11/85 0915	5050 5050	183.2F 84.0C	8.9 8.0	1250 1260	18 .90 7	.0 .00 0	258 11.22 91	6.2 .16 1	39 .78 7	251 6.06 54	154 4.34 39	.0 .00 0	4.0	7.6 --	854 755	45 6	16.7 11.0	S
	29N/12E-02P06 M																	
06/10/85 1435	5050 5050	58.0F 14.4C	7.6	450 448	20 1.00 23	9.0 .74 17	59 2.57 56	4.9 .13 3	--	--	27 .76	--	.6	.3 --		87	0.0	S
	29N/12E-05E02 M																	
06/10/85 1350	5050 5050	74.0F 23.3C	7.6 8.0	295 280	29 1.45 49	10 .82 28	13 .57 19	4.3 .11 4	107 2.14 80	19 .40 15	4.0 .11 4	1.0 .02 1	.0	.2 --	196 144	114 7	0.5 0.9	T S
	29N/12E-12C03 M																	
07/08/85 1345	5050 5050		8.3	900 907	63 3.14 33	33 2.71 28	81 3.52 37	9.2 .24 2	183 3.66 38	242 5.04 53	17 .48 5	22.0 .35 4	.4	-- --	639 577	293 110	2.1 4.5	F
	29N/12E-13K06 M																	
07/08/85 1435	5050 5050	64.0F 17.8C	7.1	210 205	11 .55	5.0 .41	--	--	--	--	3.0 .08	--	.1	.2 --		48		S
	29N/12E-14A01 M																	
07/08/85 1355	5050 5050	59.0F 15.0C	6.7	200 195	16 .80	6.0 .49	--	--	--	--	2.0 .06	--	.0	.1 --		64		S
	29N/12E-15A04 M																	
06/10/85 1425	5050 5050	56.0F 13.3C	7.0 8.0	230 217	20 1.00 46	7.0 .58 27	13 .57 26	1.1 .03 1	83 1.66 76	6.0 .12 6	3.0 .08 4	19.0 .31 14	.0	.2 --	154 119	79 0	0.6 0.9	E T
	29N/12E-16M02 M																	
06/10/85 1405	5050 5050	86.0F 18.9C	8.2 8.0	192 188	10 .50 26	1.0 .08 4	30 1.31 68	1.0 .03 2	83 1.66 84	14 .29 15	1.0 .03 2	.0 .00 0	.0	.3 --	116 107	29 0	2.4 2.3	
	29N/12E-21E02 M																	
07/08/85 1415	5050 5050		7.3 8.2	292 285	26 1.30 47	8.0 .66 24	19 .83 30	--	84 1.68	--	1.0 .03	--	.0	-- --		98 14	0.8 1.2	S
	29N/13E-01N01 M																	
06/10/85 1530	5050 5050	60.0F 15.5C	7.7 8.2	840 815	8.0 .40 5	2.0 .16 2	178 7.74 91	6.2 .16 2	177 3.54 44	120 2.50 31	34 .96 12	64.0 1.03 13	.9	.6 --	572 519	28 0	14.6 16.8	E S
	29N/13E-04N01 M																	
06/10/85 1500	5050 5050		7.8	230	--	--	--	--	--	--	--	--	--	.4 --				S
	29N/13E-05N01 M																	
07/11/85 0945	5050 5050	64.0F 17.8C	7.6	243 246	14 .70	5.0 .66	--	--	--	--	3.0 .08	--	.1	.2 --		68		S
	29N/13E-12P01 M																	
07/11/85 1030	5050 5050	62.0F 16.7C	7.8	425 421	21 1.05	8.0 .66	--	--	--	--	14 .39	--	.1	.3 --		86		S
	29N/13E-17C05 M																	
06/11/85 1130	5050 5050	58.0F 14.4C	7.1	490	--	--	--	--	--	--	--	--	.1	.4 --				S
	29N/13E-21M02 M																	
07/10/85 0825	5050 5050	62.0F 16.7C	7.6 6.5	240 229	14 .70 30	6.0 .49 21	25 1.09 46	3.5 .09 4	107 2.14 90	4.0 .08 3	3.0 .08 3	4.4 .07 3	.0	-- --	182 124	60 0	1.4 1.9	E T
	29N/13E-24D02 M																	
06/11/85 1110	5050 5050	60.0F 15.5C	7.3	500	--	--	--	--	--	--	--	--	.0	.2 --				S
	29N/14E-04N01 M																	
06/10/85 1600	5050 5050	61.0F 16.1C	7.7	1060	--	--	--	--	--	184 3.83	--	--	.5	.3 --				S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB	TEMP	FIELD PH	FIELD EC	LABORATORY PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	SIO2	TDS SUM	TH NCH	SAR ASAR	REM
		MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE													MILLIGRAMS PER LITER					
	G	NORTH LAMONTAN HA																		
	G-OR	SUSANVILLE HU																		
	G-OR.B	SUSAN RIVER HA																		
	29N/14E-06L03 M																			
07/10/85	5050	57.0F	7.9	520	16	7.0	--	--	--		--	10	--	.5	.4		69			
0930	5050	13.9C			516	.80	.58					.28			--					S
	29N/14E-10F01 M																			
07/11/85	5050	72.0F	7.3	440	24	13	--	--	--		--	7.0	--	.1	.2		114			
1010	5050	22.2C			449	1.20	1.07					.20			--					S
	29N/14E-17C01 M																			
06/10/85	5050	66.0F	7.6	775	12	6.0	234	5.9	300		144	69	5.3	1.4	1.4	704	54	13.9	X	
1525	5050	18.9C	8.4	1070	.60	.49	10.18	.15	5.99		3.00	1.93	.09		--	657	0	22.6		
					5	4	89	1	54		27	18	1							S
	29N/14E-18P01 M																			
06/11/85	5050	74.0F	8.0	1020	4.0	1.0	235	8.0	414		88	12	30.0	.9	5.2	685	14	29.7		
1100	5050	23.3C	8.6	1030	.20	.08	11.09	.20	8.27		1.79	.34	.48		--	645	0	35.1		
					2	1	96	2	76		16	3	4							S
	29N/14E-19A02 M																			
06/11/85	5050	57.0F	7.6	1100	--	--	--	--	--		169	--	64.0	--	2.5					
1050	5050	13.9C									3.52		1.03		--					
																				S
	29N/14E-20A03 M																			
06/11/85	5050	61.0F	7.7	1260	37	19	234	17	470		126	66	23.0	1.6	1.4	791	171	7.8		
1045	5050	16.1C	8.6	1200	1.85	1.56	10.16	.43	9.39		2.62	1.86	.37		--	805	0	18.0		
					13	11	73	3	66		18	13	3							
	29N/14E-20A04 M																			
07/09/85	5050	59.0F	7.3	2150	78	41	--	--	--		--	164	--	1.7	.5		363			
1500	5050	15.0C		2040	3.89	3.37						4.62			--					S
	29N/14E-20A04 M																			
06/10/85	5050	60.0F	7.8	1450	16	7.0	314	6.5	478		227	33	12.0	2.0	1.7	915	69	16.5		
1615	5050	15.5C	8.6	1400	.80	.58	13.66	.17	9.55		4.73	.93	.19		--	904	0	31.4		
					3	4	90	1	62		31	6	1							
	29N/15E-08B02 M																			
07/10/85	5050	75.0F	7.8	630	30	14	--	--	--		--	25	--	.2	.2		133			
1140	5050	23.9C		609	1.50	1.15						.71			--					S
	29N/15E-23K01 M																			
07/10/85	5050	167.0F	8.5	1450	20	.0	--	--	--		--	185	--	5.4	4.1		50			
1013	5050	75.0C		1460	1.00	.00						5.22			--					S
	29N/15E-30A03 M																			
06/11/85	5050	56.0F	8.0	600	10	4.0	133	4.2	278		26	7.0	1.1	.4	.4	382	42	8.9		
1020	5050	13.3C	8.5	587	.50	.33	5.79	.11	5.91		.54	.20	.02		--	391	0	13.7		
					7	5	86	2	88		9	3	0							S
	29N/15E-30D01 M																			
09/25/85	5050	56.0F	8.0	550	11	5.0	116	4.2	258		28	8.0	1.5	.4	--	363	48	7.3		
0945	5050	13.3C	8.7	553	.55	.41	5.05	.11	5.15		.58	.23	.03		--	329	0	11.4		
					9	7	83	2	86		10	4	1							
	29N/15E-32C01 M																			
09/25/85	5050	53.0F	8.1	750	11	7.0	158	4.2	336		19	25	5.8	.5	--	452	56	9.2		
1018	5050	11.7C	8.6	728	.55	.58	6.87	.11	6.71		.40	.71	.09		--	432	0	15.9		
					7	7	85	1	85		5	9	1							
	29N/16E-30L01 M																			
06/11/85	5050	72.0F	8.2	310	7.0	2.0	53	8.3	91		28	17	4.0	.2	.1	213	26	4.5		
0850	5050	22.2C	8.2	307	.35	.16	2.31	.21	1.82		.58	.48	.06		--	174	0	4.1		
					12	5	76	7	62		20	16	2							
	30N/12E-30A01 M																			
07/08/85	5050	68.0F	7.3	185	16	8.0	16	--	89		--	1.0	--	--	--		73	0.5		
1239	5050	20.0C	6.0	179	.80	.66	.44		1.78			.03			--		0	0.7		
					42	35	23													S
	30N/12E-30A02 M																			
07/08/85	5050	66.0F	6.8	245	25	10	--	--	--		--	4.0	--	.0	.0		104			
1240	5050	18.9C		238	1.25	.82						.11			--					S
	30N/14E-19L01 M																			
06/10/85	505C	60 F	7.1	1000	--	--	--	--	--		--	--	--	--	--					
1545	6000	16 C													--					S
	30N/14E-19Q01 M																			
07/10/85	5050	61.0F	7.5	600	32	23	--	--	--		--	21	8.0	.6	--		175			
0905	5050	16.1C		563	1.60	1.89						.59	.13		--					S
	30N/14E-31F01 M																			
07/10/85	5050	62.0F	7.9	545	24	8.0	76	9.7	163		75	12	4.0	.4	--	372	93	3.4	E	
0900	5050	16.7C	7.2	524	1.20	.66	3.31	.25	3.26		1.56	.34	.06		--	307	0	5.7		
					22	12	61	5	62		30	7	1							S
	G-OR.C	EAGLE DRAINAGE HA																		
	G-OR.C1	ANTELOPE MOUNTAIN HSA																		
	31N/10E-03MC1 M																			
07/31/85	5050	90.0F	7.0	142	12	8.0	6.6	--	70		--	2.0	1.1	--	--		63	0.3		
1340	5050	10.0C	8.3	138	.60	.66	.26		1.40			.06	.02		--		0	0.4		
					39	43	17													S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLER LAB		TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	R TURB	F SIO2	TDS SUM	TH NCH	SAR ASAR	REM
						MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE				MILLIGRAMS PER LITER					
	G	NORTH LAMONTAN NB																	
	G-08	SUGARVILLE NU																	
	G-08.C	EAGLE DRAINAGE HA																	
	G-08.C1	ANTELOPE MOUNTAIN HSA																	
	31N/10E-14001 M																		
07/31/85	5050		57.0F	7.9	182	22	7.0	5.0	--	94	--	1.0	.4	--	--		84	0.2	
1410	5050		13.9C	8.5	182	1.10	.58	.22		1.88		.03	.01		--		0	0.3	
						58	31	12											S
	31N/10E-14F01 M																		
07/31/85	5050		49.5F	7.3	184	12	10	5.0	1.4	84	--	1.0	.3	--	--		71	0.3	
1400	5050		9.7C	8.4	183	.80	.82	.22	.04	1.68		.03	.00		--		0	0.3	
						36	49	13	2										S
	31N/11E-08L01 M																		
07/31/85	5050		57.5F	8.1	266	29	12	11	--	140	--	1.0	.8	--	--		122	0.4	
1445	5050		14.2C	8.6	265	1.45	.99	.48		2.80		.03	.01		--		0	0.8	
						50	34	16											S
	32N/11E-06001 M																		
07/31/85	5050		53.5F	6.9	191	14	10	10	2.6	100	3.0	1.0	.8	.0	--	133	76	0.5	E
1305	5050		11.9C	8.4	189	.70	.82	.44	.07	2.00	.06	.03	.01		--	101	0	0.7	T
						34	40	22	3	95	3	1	0						
	33N/11E-10K01 M																		
07/31/85	5050		64.0F	7.5	171	11	4.0	18	3.7	81	--	1.0	1.6	--	--		44	1.2	
1140	5050		17.8C	8.9	167	.55	.33	.78	.09	1.62		.03	.03		--		0	1.3	
						31	19	45	5										S
	G-08.D	SNOW STORM MOUNTAIN HA																	
	31N/12E-25G01 M																		
06/11/85	5050		56.0F	7.6	380	--	--	--	--	--	--	--	--	--	--				
1630	0000		13.3C												--				
																			S
	G-10	MADELINE PLAINS NU																	
	34N/13E-18E01 M																		
08/08/85	5050		58.0F	7.8	160	--	--	--	--	--	--	--	--	--	--				
1445	0000		14.4C												--				
																			S
	34N/14E-23E01 M																		
08/08/85	5050		65.0F	7.7	250	--	--	--	--	--	--	--	--	--	--				
1505	0000		18.3C												--				
																			S
	34N/15E-21L01 M																		
08/08/85	5050		58.0F	7.2	150	--	--	--	--	--	--	--	--	--	--				
1515	0000		14.4C												--				
																			S
	35N/13E-25M01 M																		
08/08/85	5050		56.0F	7.2	980	--	--	--	--	--	--	--	--	--	--				
1430	0000		13.3C												--				
																			S
	37N/13E-16A01 M																		
08/08/85	5050		58.0F	7.6	420	--	--	--	--	--	--	--	--	--	--				
1350	0000		14.4C												--				
																			S
	37N/13E-20Q01 M																		
08/08/85	5050		55.0F	7.4	2800	--	--	--	--	--	--	--	--	--	--				
1405	0000		12.8C												--				
																			S
	G-12	SURPRISE VALLEY NU																	
	G-12.A	BARE CREEK HA																	
	40N/16E-36R01 M																		
08/07/85	5050		54.0F	7.3	330	--	--	--	--	--	--	--	--	--	--				
1125	0000		12.2C												--				
																			S
	G-12.B	CEDARVILLE HA																	
	40N/16E-11G01 M																		
08/07/85	5050		54.0F	7.9	210	--	--	--	--	--	--	--	--	--	--				
1045	0000		12.2C												--				
																			S
	40N/16E-13B01 M																		
08/07/85	5050		56.0F	7.9	250	--	--	--	--	--	--	--	--	--	--				
1100	0000		13.3C												--				
																			S
	40N/16E-23B01 M																		
08/07/85	5050		55.0F	7.3	240	--	--	--	--	--	--	--	--	--	--				
1110	0000		12.8C												--				
																			S
	41N/16E-04K01 M																		
08/07/85	5050		59.0F	7.8	235	--	--	--	--	--	--	--	--	--	--				
0945	0000		15.0C												--				
																			S
	41N/16E-10A01 M																		
08/07/85	5050		58.0F	7.8	270	--	--	--	--	--	--	--	--	--	--				
1000	0000		14.4C												--				
																			S

TABLE E-1 (CONTINUED)

MINERAL ANALYSES OF GROUND WATER

DATE TIME	SAMPLED LAB	TEMP	FIELD PH	LABORATORY EC	CA	MG	NA	K	CACO3	SO4	CL	NO3	TURB	STO2	SUM	NCH	ASAR	REM
					MINERAL CONSTITUENTS IN MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER R	F	TDS	TH	SAR	
	G	NORTH LAMONTAN NR																
	G-12	SURPRISE VALLEY HU																
	G-12.A	CEDARVILLE NA																
	41N/16E-35F01 M																	
08/07/85 1030	5050 0000	54.0F 12.2C	7.0	160	--	--	--	--	--	--	--	--	--	-- --				S
	42N/16E-05F01 M																	
08/07/85 0740	5050 0000	58.0F 14.4C	7.6	325	--	--	--	--	--	--	--	--	--	-- --				S
	42N/16E-05N01 M																	
08/07/85 0750	5050 0000	64 F 18 C	8.0	200	--	--	--	--	--	--	--	--	--	-- --				S
	42N/16E-08M02 M																	
08/07/85 0910	5050 0000	54.0F 12.2C	7.3	270	--	--	--	--	--	--	--	--	--	-- --				S
	42N/16E-29B02 M																	
08/07/85 0925	5050 0000	52.0F 11.1C	7.4	190	--	--	--	--	--	--	--	--	--	-- --				S
	42N/16E-29G01 M																	
08/07/85 0930	5050 0000	64.0F 17.8C	7.1	200	--	--	--	--	--	--	--	--	--	-- --				S
	43N/16E-18E01 M																	
08/06/85 1625	5050 0000	62.0F 16.7C	7.1	215	--	--	--	--	--	--	--	--	--	-- --				S
	G-12.C	FORT BIDWELL NA																
	43N/16E-05L01 M																	
08/06/85 1545	5050 0000	58.0F 14.4C	7.5	260	--	--	--	--	--	--	--	--	--	-- --				S
	43N/16E-06R02 M																	
08/06/85 1555	5050 0000	54.0F 12.2C	7.4	215	--	--	--	--	--	--	--	--	--	-- --				S
	44N/16E-31R01 M																	
08/06/85 1535	5050 0000	62.0F 16.7C	7.0	535	--	--	--	--	--	--	--	--	--	-- --				S
	45N/16E-17Q01 M																	
08/06/85 1510	5050 0000	61.0F 16.1C	7.2	260	--	--	--	--	--	--	--	--	--	-- --				S
	45N/16E-19Q01 M																	
08/06/85 1520	5050 0000	65.0F 18.3C	8.0	315	--	--	--	--	--	--	--	--	--	-- --				S
	46N/16E-03M01 M																	
08/06/85 1425	5050 0000	58.0F 14.4C	7.4	225	--	--	--	--	--	--	--	--	--	-- --				S
	46N/16E-08P02 M																	
08/06/85 1405	5050 0000	64.0F 17.8C	7.4	220	--	--	--	--	--	--	--	--	--	-- --				S
	46N/16E-08R03 M																	
08/06/85 1410	5050 0000	52.0F 11.1C	6.7	245	--	--	--	--	--	--	--	--	--	-- --				S
	46N/16E-16M01 M																	
08/06/85 1315	5050 0000	53.0F 11.7C	6.5	180	--	--	--	--	--	--	--	--	--	-- --				S
	46N/16E-20R01 M																	
08/06/85 1300	5050 0000	61.0F 16.1C	7.4	330	--	--	--	--	--	--	--	--	--	-- --				S

TABLE E-2
MINOR ELEMENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

5050 – California Department of Water Resources, Bryte Laboratory
5060 – California Department of Health, Berkeley Laboratory
5684 – Sierra Environmental Monitoring Laboratory
5701 – California Water Service Company Laboratory
5867 – Fruit Growers Laboratory
7748 – California Department of Forestry
8200 – Colusa County

Abbreviations

TIME	–	Pacific Standard Time on a 24-hour clock
EC	–	Electrical conductance in microsiemens at 25° C
TEMP	–	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
pH	–	Measure of acidity or alkalinity of water
CHROM (ALL)	–	All chromium
CHROM (HEX)	–	Hexavalent chromium
D	–	Dissolved
T	–	Total
REM	–	Remarks; code letter are: P – Laboratory pH was substituted for field pH, which was not available. E – Total dissolved solids (TDS) value is not within the range of 0.35 to 0.70 of the electrical conductivity.

TABLE E-2

MINOR ELEMENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	CONSTITUENTS IN MILLIGRAMS PER LITER BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	A			SACRAMENTO MA								
	A-02			VALLEY PUTAH-CACHE HII								
	A-02.A			ELMIRA MA								
	07N/01E-14J01 M											
06/19/85	5701			18 C		--	--	0.0 T	--	--	--	P
1457	5701		945	7.6	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07N/01E-14N03 M											
06/19/85	5701			18 C		--	--	0.0 T	--	--	--	P
0945	5701		690	7.7	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	07N/01E-23D02 M											
06/19/85	5701			21 C		--	--	0.0 T	--	--	--	P
1405	5701		575	7.8	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	A-04			CACHE CREEK HII								
	A-04.0			UPPER CACHE CREEK MA								
	A-04.04			LAKEPORT NSA								
	11N/08W-05B01 M											
10/03/84	5050			16.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1600	5050		361	7.3	--	0.00 T	--	0.20 T	0.15 T	--	0.00 T	
12/04/84	5050			15.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1230	5050		390	7.2	--	0.00 T	--	0.16 T	0.10 T	--	0.01 T	
02/05/85	5050			15.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1430	5050		395	7.3	--	0.00 T	--	0.08 T	0.10 T	--	0.01 T	
04/03/85	5050			15.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1040	5050	0	375	7.2	--	0.00 T	--	0.10 T	0.10 T	--	0.01 T	
06/04/85	5050			16.0C		--	--	0.00 T	0.01 T	0.000 T	--	
1430	5050	0	395	7.2	--	0.00 T	--	0.06 T	0.10 T	--	0.01 T	
08/07/85	5050			16.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1130	5050	0	395	7.1	--	0.00 T	--	0.26 T	0.13 T	--	0.01 T	
	11N/08W-05C01 M											
10/03/84	5050			19.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1540	5050		341	7.4	--	0.00 T	--	0.20 T	0.05 T	--	0.02 T	
12/04/84	5050			17.0C		--	--	0.01 T	0.00 T	0.000 T	--	
1300	5050		340	7.3	--	0.00 T	--	0.22 T	0.05 T	--	0.05 T	
02/05/85	5050			6.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1330	5050		357	7.2	--	0.00 T	--	0.05 T	0.06 T	--	0.01 T	
04/03/85	5050			16.5C		--	--	0.04 D	0.01 T	0.000 T	--	
0915	5050	0	355	7.4	--	0.00 T	--	0.18 T	0.05 T	--	0.02 T	
06/04/85	5050			19.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1345	5050	0	345	7.2	--	0.00 T	--	0.06 T	0.04 T	--	0.01 T	
08/07/85	5050			26.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1030	5050	0	340	7.2	--	0.00 T	--	0.48 T	0.02 T	--	0.10 T	
	11N/08W-05G01 M											
10/03/84	5050			16.0C		--	--	0.01 T	0.00 T	0.000 T	--	
1450	5050		187	6.6	--	0.00 T	--	0.54 T	0.02 T	--	0.03 T	
12/04/84	5050			11.0C		--	--	0.01 T	0.00 T	0.000 T	--	
1340	5050		85	6.8	--	0.00 T	--	1.7 T	0.01 T	--	0.02 T	
02/05/85	5050			4.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1400	5050		98	6.3	--	0.00 0	--	1.0 T	0.01 T	--	0.02 T	
04/03/85	5050			10.5C		--	--	0.00 T	0.00 T	0.000 T	--	
0900	5050	0	104	6.2	--	0.00 T	--	1.4 T	0.01 T	--	0.03 T	
06/04/85	5050			15.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1400	5050	0	137	6.3	--	0.00 T	--	0.43 T	0.01 T	--	0.04 T	
08/07/85	5050			20.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1110	5050	0	165	6.6	--	0.00 T	--	0.59 T	0.01 T	--	0.05 T	
	11N/08W-05K01 M											
10/03/84	5050			14.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1430	5050		232	6.8	--	0.00 T	--	0.84 T	0.02 T	--	0.25 T	
12/04/84	5050			5.5C		--	--	0.03 T	0.00 T	0.000 T	--	
1355	5050		70	6.0	--	0.00 T	--	13. T	0.47 T	--	0.33 T	
02/05/85	5050			4.0C		--	--	0.02 T	0.01 T	0.000 T	--	
1415	5050		185	6.4	--	0.00 T	--	7.6 T	0.05 T	--	1.4 T	
04/03/85	5050			9.5C		--	--	0.01 T	0.00 T	0.000 T	--	
0845	5050	0	81	6.0	--	0.00 T	--	5.0 T	0.09 T	--	0.06 T	
06/04/85	5050			12.5C		--	--	0.00 T	0.01 T	0.000 T	--	
1415	5050	0	275	6.7	--	0.00 T	--	0.55 0	0.19 T	--	0.35 T	
	11N/08W-06N01 M											
10/03/84	5050			14.0C		--	--	0.00 T	0.00 T	0.000 T	--	
1515	5050		297	7.2	--	0.00 T	--	0.30 T	0.00 T	--	0.00 T	
12/04/84	5050			13.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1315	5050		280	7.3	--	0.00 T	--	0.30 T	0.00 T	--	0.00 T	
02/04/85	5050			13.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1315	5050		295	7.2	--	0.00 T	--	0.04 T	0.00 T	--	0.00 T	
04/03/85	5050			13.5C		--	--	0.00 T	0.00 T	0.000 T	--	
0945	5050	0	277	7.5	--	0.00 T	--	0.08 T	0.00 T	--	0.00 T	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	A			SACRAMENTO MR								
	A-04			CACHE CREEK HU								
	A-04.0			UPPER CACHE CREEK HA								
	A-04.04			LAKEPORT HSA								
	11N/08W-06H01 M								CONTINUED			
06/04/85	5050			13.5C		--	--	0.00 T	0.00 T	0.050 T	--	
1330	5050	0	321	7.0	--	0.00 0	--	0.04 T	0.00 T	--	0.00 T	
06/07/85	5050			14.5C		--	--	0.00 T	0.00 T	0.000 T	--	
1100	5050	0	525	7.0	--	0.00 T	--	0.14 T	0.00 T	--	0.01 T	
	A-07			COLUSA BASIN HU								
	A-07.8			GLENN COLUSA HA								
	A-07.81			COLUSA TROUGH HSA								
	19N/03W-04J01 M											
07/01/85	5701			20.0C		--	--	0. T	--	--	--	
1535	5701				--	--	--	0. T	0. T	--	0. T	
	19N/03W-09F01 M											
07/01/85	5701			20.0C		--	--	0. T	--	--	--	
1045	5701				--	--	--	0. T	0. T	--	0. T	
	19N/03W-09K01 M											
07/01/85	5701			19.0C		--	--	0. T	--	--	--	
1320	5701				--	--	--	0. T	0. T	--	0. T	
	A-07.0			BUTTE BASIN HA								
	22N/01E-35E01 M											
08/12/85	5701			18.0C		--	--	0. T	--	--	--	
1345	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-36C01 M											
08/12/85	5701			20.0C		--	--	0. T	--	--	--	
1315	5701				--	--	--	0. T	0. T	--	0. T	
	A-08			MARYSVILLE HU								
	A-08.C			LOWER YUBA RIVER HA								
	15N/03E-12R02 M											
06/26/85	5701			19 C		--	--	0.0 T	--	--	--	P
1115	5701		475	7.4	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	15N/03E-13N01 M											
06/14/85	5701			18 C		--	--	0.0 T	--	--	--	P
1430	5701		655	7.8	--	--	--	0.21 T	0.66 T	--	0.0 T	E
	15N/04E-07J02 M											
08/14/85	5701			18 C		--	--	0.0 T	--	--	--	P
1450	5701		380	7.7	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	15N/04E-07M02 M											
06/26/85	5701			19 C		--	--	0.0 T	--	--	--	P
1130	5701		395	7.4	--	--	--	0.0 T	0.0 T	--	0.0 T	E
	15N/04E-18C01 M											
08/14/85	5701			20 C		--	--	0.0 T	--	--	--	P
1445	5701		325	7.8	--	--	--	0.09 T	0.19 T	--	0.0 T	E
	A-08.0			LOWER FEATHER RIVER HA								
	17N/04E-20P01 M											
06/24/85	5050			69 F		--	--	--	--	--	--	
1530			600	7.5	--	--	--	--	--	--	--	
	19N/04E-07P01 M											
06/24/85	5701			18.0C		--	--	0. T	--	--	--	
1125	5701				--	--	--	0. T	0. T	--	0.05 T	
	19N/04E-20C01 M											
06/24/85	5701			18.0C		--	--	0. T	--	--	--	
1150	5701				--	--	--	0. T	0. T	--	0. T	
	A-13			TEHAMA HU								
	A-13.8			RED BLUFF HA								
	22N/01E-04A03 M											
08/12/85	5701			22.0C		--	--	0. T	--	--	--	
1530	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-10K01 M											
06/17/85	5701			20.0C		--	--	0. T	--	--	--	
0800	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-15L01 M											
06/17/85	5701			18.0C		--	--	0. T	--	--	--	
0815	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-16H01 M											
08/12/85	5701			19.0C		--	--	0. T	--	--	--	
1304	5701				--	--	--	0. T	0. T	--	0. T	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	A			SACRAMENTO HR								
	A-13			TEHAMA HU								
	A-13.B			RED BLUFF HA								
	22N/01E-22H01 M											
08/12/85	5701			18.0C		--	--	0. T	--	--	--	
1250	5701				--	--	--	0. T	0. T	--	0. T	
	27N/01E-23K03 M											
06/17/85	5701			22.0C		--	--	0. T	--	--	--	
0950	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-23L01 M											
06/17/85	5701			19.0C		--	--	0. T	--	--	--	
1015	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-23P01 M											
06/17/85	5701			19.0C		--	--	0. T	--	--	--	
0917	5701				--	--	--	0. T	0. T	--	0. T	
	22N/01E-23R01 M											
08/12/85	5701			18.0C		--	--	0. T	--	--	--	
1600	5701				--	--	--	0. T	0. T	--	0. T	
	27N/03W-20C01 M											
08/20/85	5060					0.10 0	0.01 0	--	0.01 0	0.001 T	0.001 0	
	5060				0.01 0	0.001 0	--	--	--	0.005 0	--	
	A-14			STONY CREEK HU								
	A-14.C			FOUTS SPRINGS HA								
	A-14.C1			MIDDLE FORK STONY HSA								
	18N/06W-29C01 M											
07/17/85	8200					0.	0.0	0.0	0.0	0.00	0.0	
	5867		400	7.1	0.0	0.00	--	0.0	0.0	--	0.1	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
		8		SAN JOAQUIN MA								
		8-01		SAN JOAQUIN DELTA MU								
		01N/06E-03C01 M										
08/16/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1540	5701	245	8.0	--	--	--	--	0.15 T	0.23 T	--	0.0 T	E
		01N/06E-04A01 M										
09/05/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1500	5701	320	8.0	--	--	--	--	0.11 T	0.10 T	--	0.0 T	E
		02N/06E-33A01 M										
07/24/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1100	5701	325	7.9	--	--	--	--	0.06 T	0.13 T	--	0.0 T	E
		02N/06E-33F01 M										
08/21/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1330	5701	335	7.9	--	--	--	--	0.0 T	0.09 T	--	0.0 T	E
		02N/06E-33G01 M										
07/24/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1130	5701	375	8.0	--	--	--	--	0.16 T	0.28 T	--	0.0 T	E
		02N/06E-33K01 M										
09/05/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1100	5701	270	7.9	--	--	--	--	2.60 T	0.17 T	--	0.06 T	E
		8-03		NORTH VALLEY FLOOR MU								
		8-03.8		LOWER MOKELUMNE MA								
		02N/06E-22E01 M										
07/24/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1400	5701	625	7.7	--	--	--	--	0.20 T	0.21 T	--	0.0 T	E
		02N/06E-22G01 M										
07/15/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1040	5701	350	7.8	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		02N/06E-22J01 M										
07/15/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
1125	5701	440	7.7	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		8-03.C		LOWER CALAVERAS MA								
		01N/06E-01J01 M										
08/14/85	5701		19 C		--	--	--	0.0 T	--	--	--	P
1330	5701	630	7.8	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		01N/06E-02M01 M										
09/04/85	5701					--	--	0.0 T	--	--	--	P
1530	5701	625	8.1	--	--	--	--	0.59 T	0.23 T	--	0.0 T	E
		01N/06E-02Q01 M										
08/21/85	5701		17 C		--	--	--	0.0 T	--	--	--	P
1000	5701	715	7.5	--	--	--	--	0.09 T	0.0 T	--	0.0 T	E
		01N/06E-11P03 M										
09/03/85	5701					--	--	0.0 T	--	--	--	P
1530	5701	595	8.1	--	--	--	--	0.13 T	0.25 T	--	0.0 T	E
		01N/06E-12C09 M										
07/15/85	5701		21 C		--	--	--	0.0 T	--	--	--	P
0725	5701	1240	7.7	--	--	--	--	0.49 T	0.90 T	--	0.0 T	E
		01N/06E-12F01 M										
08/14/85	5701		20 C		--	--	--	0.12 T	--	--	--	P
1155	5701	600	7.8	--	--	--	--	0.58 T	0.16 T	--	0.10 T	E
		01N/06E-12K03 M										
07/24/85	5701		18 C		--	--	--	0.0 T	--	--	--	P
0920	5701	530	7.7	--	--	--	--	0.09 T	0.15 T	--	0.0 T	E
		01N/07E-08F02 M										
08/14/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1120	5701	300	7.9	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		01N/07E-08P01 M										
07/15/85	5701		20 C		--	--	--	0.0 T	--	--	--	P
1040	5701	255	7.8	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		02N/06E-26L01 M										
07/15/85	5701					--	--	0.0 T	--	--	--	P
1200	5701	345	7.7	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		02N/06E-27K01 M										
08/14/85	5701		15 C		--	--	--	0.0 T	--	--	--	P
0930	5701	440	7.8	--	--	--	--	0.0 T	0.0 T	--	0.0 T	E

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
		B		SAN JOAQUIN NR								
		A-03		NORTH VALLEY FLOOR HU								
		A-03.C		LOWER CALAVERAS HA								
		02N/06E-27P01 M										
08/21/85	5701					--	--	0.0 T	--	--	--	P
1400	5701		325	7.8	--	--	--	0.0 T	0.08 T	--	0.0 T	E
		02N/04E-34B01 M										
06/20/85	5701			20 C		--	--	0.0 T	--	--	--	P
1045	5701		820	7.7	--	--	--	0.05 T	0.0 T	--	0.0 T	E
08/07/85	5701			19 C		--	--	0.0 T	--	--	--	P
1530	5701		840	7.8	--	--	--	6.15 T	2.36 T	--	0.0 T	E
		02N/06E-34Q01 M										
07/24/85	5701			15 C		--	--	0.0 T	--	--	--	P
1500	5701		980	7.6	--	--	--	0.35 T	0.81 T	--	0.0 T	E
		02N/06E-36G01 M										
08/14/85	5701			19 C		--	--	0.0 T	--	--	--	P
1315	5701		340	7.9	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		02N/06E-36R03 M										
08/21/85	5701			18 C		--	--	0.0 T	--	--	--	P
1305	5701		560	7.4	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		B-03.0		DUCK-LITTLEJOHNS HA								
		01N/06E-13J01 M										
07/24/85	5701			18 C		--	--	0.0 T	--	--	--	P
0945	5701		290	7.7	--	--	--	0.0 T	0.16 T	--	0.0 T	E
		01N/07E-17D01 M										
07/15/85	5701			19 C		--	--	0.0 T	--	--	--	P
1030	5701		295	7.8	--	--	--	0.0 T	0.06 T	--	0.0 T	E
		01N/07E-18R01 M										
08/21/85	5701			20 C		--	--	0.0 T	--	--	--	P
1045	5701		245	7.9	--	--	--	0.0 T	0.0 T	--	0.0 T	E
		01N/07E-18D01 M										
08/21/85	5701			17 C		--	--	0.0 T	--	--	--	P
1515	5701		360	8.0	--	--	--	0.0 T	0.0 T	--	0.05 T	E
		01N/07E-18L01 M										
08/21/85	5701			18 C		--	--	0.0 T	--	--	--	P
1110	5701		275	7.9	--	--	--	0.0 T	0.07 T	--	0.0 T	E
		B-04		MIDDLE SIERRA HU								
		B-04.8		SUTTER CREEK HA								
		07N/12E-34Q01 M										
02/05/85	7748					--	--	0.2 T	--	--	--	P
	5684		220	7.2	--	--	--	0.25 T	0.0 T	--	0. T	E
07/02/85	7748					0. T	0.00 T	--	0.00 T	0.000 T	0.00 T	
	5684				0.02 T	0.00 T	--	--	--	0.0 T	--	

TABLE E-2 (CONTINUED)

MINOR ELEMENT ANALYSES OF GROUND WATER

CONSTITUENTS IN MILLIGRAMS PER LITER

DATE TIME	SAMP LAB	DEPTH	DISCH EC	TEMP PH	ARSENIC	BARIUM CADMIUM	CHROM (ALL) CHROM (HEX)	COPPER IRON	LEAD MANGANESE	MERCURY SELENIUM	SILVER ZINC	REM
	G			NORTH LAHONTAN HB								
	G-09			SUSANVILLE HU								
	G-08.A			HERLONG HA								
	25N/17E-29H01 M											
06/12/85	5050			58.0F		--	--	--	--	--	--	
1050	5050		215	7.0	0.00 T	--	--	--	--	--	--	
	26N/16E-06001 M											
06/12/85	5050			60.0F		--	--	--	--	--	--	
1310	5050		450	7.1	0.04 T	--	--	--	--	--	--	
	26N/17E-18B01 M											
06/12/85	5050			64.0F		\ .	--	--	--	--	--	
1400	5050		745	7.3	0.03	--	--	--	--	--	--	
	27N/16E-36004 M											
06/12/85	5050			63.0F		--	--	--	--	--	--	
1220	5050		1180	7.1	0.01 T	--	--	--	--	--	--	
	29N/16E-30L01 M											
06/11/85	5050			72.0F		--	--	--	--	--	--	
0850	5050		310	8.2	0.00 T	--	--	--	--	--	--	
	G-08.B			SUSAN RIVER HA								
	28N/14E-17B02 M											
06/11/85	5050			80 F		--	--	--	--	--	--	
1305	5050		318	7.8	0.03 T	--	--	--	--	--	--	
	29N/12E-18M02 M											
06/10/85	5050			66.0F		\ .	--	--	--	--	--	
1405	5050		192	8.2	0.03	--	--	--	--	--	--	
	29N/14E-17001 M											
06/10/85	5050			66.0F		--	--	--	--	--	--	
06/10/85	5050			66 F		--	--	--	--	--	--	
1525	5050		1070	7.6	0.19 T	--	--	--	--	--	--	
	29N/14E-20A04 M											
06/10/85	5050			60.0F		--	--	--	--	--	--	
1615	5050		1450	7.8	0.28 T	--	--	--	--	--	--	
	G-08.C			EAGLE DRAINAGE HA								
	G-08.C1			ANTELOPE MOUNTATN HSA								
	31N/10E-03N01 M											
07/31/85	5050			50.0F		--	--	--	--	--	--	
1340	5050		142	7.0	--	--	--	0.25 T	--	--	--	
	31N/10E-14F01 M											
07/31/85	5050			49.5F		--	--	--	--	--	--	
1400	5050		184	7.3	--	--	--	0.96 T	--	--	--	
	32N/11E-08001 M											
07/31/85	5050			53.5F		--	--	--	--	--	--	
1305	5050		191	8.9	--	--	--	0.06 T	--	--	--	

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TABLE E-3
MISCELLANEOUS ANALYSES OF GROUND WATER

Lab and Sampler Agency Codes

5701	–	California Water Service Company Laboratory

Abbreviations and Constituents

TIME	–	Pacific Standard Time on a 24-hour clock
L-pH	–	Lab determination of acidity or alkalinity of water
MBAS	–	Methylene blue active substance (a test for detergent surfactants) in milligrams per liter
T+L	–	Tannin and lignin as tannic acid in milligrams per liter
CHLOR	–	Field determination of residual chlorine in milligrams per liter
O+G	–	Oil and grease in milligrams per liter
COLOR	–	True color in color units
SET S	–	Settleable solids in milliliters per liter (ML/L) and milligrams per liter (MG/L)
BOD	–	Biochemical oxygen demand in milligrams per liter: B = 5 days
SUS S	–	Suspended solids in milligrams per liter; 5 = at 105 degrees C
COD	–	Chemical oxygen demand in milligrams per liter
V SUS S	–	Volatile suspended solids in milligrams per liter
CYANIDE	–	Cyanide in milligrams per liter
PHENOLS	–	Phenols in milligrams per liter
TOC	–	Total organic carbon in milligrams per liter
DOC	–	Dissolved organic carbon in milligrams per liter
IODIDE	–	Iodide in milligrams per liter
T ODOR	–	Threshold odor number at 60 degrees C
BROMIDE	–	Bromide in milligrams per liter
SULFITE	–	Sulfite in milligrams per liter
T SULF	–	Total sulfides in milligrams per liter
D SULF	–	Dissolved sulfides in milligrams per liter
CC EXT	–	Carbon chloroform extract
CA EXT	–	Carbon alcohol extract

TABLE E-3

MISCELLANEOUS ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	TEMP EC	DO G.H.	F-PH L-PH	DISCH MGAS	DEPTH TOTA	T-L CHLOR	O-G COLOR	SET S PL/L MG/L	ROD SUS S	COD V SUS S	CYANIDE PHENOLS	TOC DOC	IODIDE T DOOP	BROMIDE SULFITE	T SULF D SULF	CC EXT CA EXT
		A			SACRAMENTO MR												
		A-37			COLUSA BASIN MU												
		A-07.R			GLENN COLUSA WA												
		A-07.R1			COLUSA TROUGH MSA												
		19N/03W-04J01 M															
07/01/85	5701	20.0C					--	--	--	--	--	--	--	0.039	--	--	--
1535	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		19N/03W-09F01 M															
07/01/85	5701	20.0C					--	--	--	--	--	--	--	0.047	--	--	--
1045	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		19N/03W-09K01 M															
07/01/85	5701	19.0C					--	--	--	--	--	--	--	0.045	--	--	--
1320	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		A-07.R			BUTTE BASIN WA												
		22N/01E-35E01 M															
08/12/85	5701	18.0C					--	--	--	--	--	--	--	0.013	--	--	--
1345	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-36C01 M															
08/12/85	5701	20.0C					--	--	--	--	--	--	--	0.014	--	--	--
1315	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		A-08			MARYSVILLE MU												
		A-08.R			LOWER FEATHER RIVER WA												
		19N/04E-07F01 M															
06/24/85	5701	18.0C					--	--	--	--	--	--	--	0.109	--	--	--
1125	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		19N/04E-20C01 M															
06/24/85	5701	18.0C					--	--	--	--	--	--	--	0.034	--	--	--
1150	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		A-13			TEHAMA MU												
		A-13.R			RED BLUFF WA												
		22N/01E-04A03 M															
08/12/85	5701	22.0C					--	--	--	--	--	--	--	0.013	--	--	--
1530	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-10R01 R															
06/17/85	5701	20.0C					--	--	--	--	--	--	--	0.009	--	--	--
0900	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-15L01 M															
06/17/85	5701	18.0C					--	--	--	--	--	--	--	0.005	--	--	--
0815	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-15W01 M															
08/12/85	5701	19.0C					--	--	--	--	--	--	--	0.012	--	--	--
1304	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-22W01 M															
08/12/85	5701	18.0C					--	--	--	--	--	--	--	0.014	--	--	--
1250	5701				0.		--	0	--	--	--	--	--	3	--	--	--
		22N/01E-23K03 R															
06/17/85	5701	22.0C					--	--	--	--	--	--	--	0.006	--	--	--
0950	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-23L01 M															
06/17/85	5701	19.0C					--	--	--	--	--	--	--	0.014	--	--	--
1015	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-23P01 M															
06/17/85	5701	19.0C					--	--	--	--	--	--	--	0.012	--	--	--
0917	5701				0.		--	0	--	--	--	--	--	0	--	--	--
		22N/01E-23P01 M															
08/12/85	5701	18.0C					--	--	--	--	--	--	--	0.013	--	--	--
1400	5701				0.		--	0	--	--	--	--	--	0	--	--	--

TABLE E-4
NUTRIENT ANALYSES OF GROUND WATER

Lab and Sampler Agency Code

Abbreviations

5050	–	California Department of Water Resources
5701	–	California Water Service Laboratory
TIME	–	Pacific Standard Time on a 24-hour clock
TEMP	–	Water temperature at time of sampling in degrees Fahrenheit (F) or Celsius (C)
F EC	–	Field determination of electrical conductance in microsiemens at 25°C
F PH	–	Field determination of acidity or alkalinity
TURB	–	Jackson Turbidity Units measured with a Hach Nephelometer, (A), if in the field, (F)
F-C02	–	Field determination of carbon dioxide in milligrams per liter
P ALK	–	Field determination of alkalinity (phenol)
T ALK	–	Field determination of alkalinity (total)

(Nitrogen Series as N)

D N02+N03	–	Dissolved nitrite and nitrate
D N02	–	Dissolved nitrite
D NO3	–	Dissolved nitrate
D ORG N	–	Dissolved organic nitrogen
T ORG N	–	Total organic nitrogen
D NH 3	–	Dissolved ammonia
T NH 3	–	Total ammonia
T (NH3+ORG N)	–	Total ammonia plus organic nitrogen

(Phosphorus Series as P)

DIS.A.H.P04	–	Dissolved acid hydrolyzable phosphate
D O-P04	–	Dissolved orthophosphate
T O-P04	–	Total orthophosphate
D TOT P	–	Dissolved total phosphorus
T TOT P	–	Total phosphorus
REM	–	Remarks: code letter Z means that the value of the constituent is greater than the field limit, in which case all 9's will appear.

TABLE E-4

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	CONSTITUENTS IN MILLIGRAMS PER LITER D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.W.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
		A		SACRAMENTO HA										
		A-04		CACHE CREEK HU										
		A-04.0		UPPER CACHE CREEK HA										
		A-04.04		LAKEPORT HSA										
		31N/08W-03B01 M												
10/03/84	5050		16.0C	381			--	--	--	--		--	0.01	--
1600	5050			7.3				0.01	--	--	--		--	--
12/04/84	5050		15.0C	390			--	--	--	--		--	0.00	--
1230	5050			7.2				0.00	--	--	--		--	--
02/05/85	5050		15.5C	395			--	--	--	--		--	0.01	--
1430	5050			7.3				0.01	--	--	--		--	--
04/03/85	5050		15.5C	375			--	--	--	--		--	0.00	--
1040	5050		0	7.2				0.00	--	--	--		--	--
06/04/85	5050		16.0C	395			--	--	--	--		--	0.00	--
1430	5050		0	7.2				0.03	--	--	--		--	--
08/07/85	5050		16.0C	395			--	--	--	--		--	0.01	--
1130	5050		0	7.3				0.00	--	--	--		--	--
		11N/08W-03C01 M												
10/03/84	5050		19.5C	341			--	--	--	--		--	0.01	--
1540	5050			7.4				0.01	--	--	--		--	--
12/04/84	5050		17.0C	340			--	--	--	--		--	0.00	--
1300	5050			7.3				0.00	--	--	--		--	--
02/05/85	5050		6.0C	357			--	--	--	--		--	0.00	--
1330	5050			7.2				0.00	--	--	--		--	--
04/03/85	5050		18.5C	355			--	--	--	--		--	0.00	--
0915	5050		0	7.4				0.01	--	--	--		--	--
06/04/85	5050		19.5C	345			--	--	--	--		--	0.00	--
1345	5050		0	7.2				0.01	--	--	--		--	--
08/07/85	5050		26.0C	340			--	--	--	--		--	0.01	--
1030	5050		0	7.2				0.05	--	--	--		--	--
		11N/08W-03G01 M												
10/03/84	5050		18.0C	187			--	--	--	--		--	0.03	--
1450	5050			6.6				0.07	--	--	--		--	--
12/04/84	5050		11.0C	85			--	--	--	--		--	0.01	--
1340	5050			6.8				0.92	--	--	--		--	--
02/05/85	5050		4.0C	98			--	--	--	--		--	0.01	--
1400	5050			6.3				0.56	--	--	--		--	--
04/03/85	5050		10.5C	104			--	--	--	--		--	0.03	--
0900	5050		0	6.2				0.14	--	--	--		--	--
06/04/85	5050		15.5C	137			--	--	--	--		--	0.02	--
1400	5050		0	6.3				0.22	--	--	--		--	--
08/07/85	5050		20.5C	165			--	--	--	--		--	0.06	--
1110	5050		0	6.6				0.08	--	--	--		--	--
		11N/08W-03K01 M												
10/03/84	5050		14.0C	232			--	--	--	--		--	0.00	--
1430	5050			6.8				0.01	--	--	--		--	--
12/04/84	5050		5.5C	70			--	--	--	--		--	0.01	--
1355	5050			6.0				0.01	--	--	--		--	--
02/05/85	5050		4.0C	185			--	--	--	--		--	0.01	--
1415	5050			6.4				0.03	--	--	--		--	--
04/03/85	5050		9.5C	81			--	--	--	--		--	0.02	--
0845	5050		0	6.0				0.01	--	--	--		--	--
06/04/85	5050		12.5C	275			--	--	--	--		--	0.02	--
1415	5050		0	6.7				0.02	--	--	--		--	--
		11N/08W-06H01 M												
10/03/84	5050		14.0C	297			--	--	--	--		--	0.00	--
1515	5050			7.2				0.00	--	--	--		--	--
12/04/84	5050		13.5C	280			--	--	--	--		--	0.00	--
1315	5050			7.3				0.03	--	--	--		--	--
02/05/85	5050		13.5C	295			--	--	--	--		--	0.00	--
1315	5050			7.2				0.01	--	--	--		--	--
04/03/85	5050		13.5C	277			--	--	--	--		--	0.00	--
0945	5050		0	7.5				0.00	--	--	--		--	--
06/04/85	5050		13.5C	321			--	--	--	--		--	0.01	--
1330	5050		0	7.0				0.02	--	--	--		--	--
08/07/85	5050		14.5C	325			--	--	--	--		--	0.01	--
1100	5050		0	7.0				0.01	--	--	--		--	--
		A-07		COLUSA BASIN HU										
		A-07.A		GLENN COLUSA HA										
		A-07.A1		COLUSA TROUGH HSA										
		19N/03W-04J01 M												
07/01/85	5701		20.0C				--	--	--	--		--	--	--
1535	5701							--	--	--	--		0.12	--

TABLE E-4 (CONTINUED)

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 O NO3	CONSTITUENTS IN MILLIGRAMS PER LITER O ORG N T ORG N	O NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
		A		SACRAMENTO HR										
		A-07		COLUSA BASIN HU										
		A-07.R		GLENN COLUSA HA										
		A-07.R1		COLUSA TROUGH HSA							CONTINUED			
		19N/03W-09F01 M												
07/01/85 1045	5701 5701		20.0C				--	-- --	-- --	-- --	--	--	-- 0.13	-- --
		19N/03W-09K01 M												
07/01/85 1320	5701 5701		19.0C				--	-- --	-- --	-- --	--	--	-- 0.11	-- --
		A-07.0		BUTTE BASIN HA										
		21N/01E-08H02 M												
09/17/85 1500	5050 5050		67.0F		740 7.0		--	-- --	-- --	-- --	0.1	--	-- --	-- 0.05
		22N/01E-35E01 M												
06/12/85 1345	5701 5701		18.0C				--	-- --	-- --	-- --	--	--	-- 0.14	-- --
		22N/01E-36C01 M												
06/12/85 1315	5701 5701		20.0C				--	-- --	-- --	-- --	--	--	-- 0.25	-- --
		A-08		MARYSVILLE HU										
		A-08.0		LOWER FEATHER RIVER HA										
		19N/04E-07P01 M												
06/24/85 1124	5701 5701		18.0C				--	-- --	-- --	-- --	--	--	-- 0.08	-- --
		19N/04E-20C01 M												
06/24/85 1150	5701 5701		18.0C				--	-- --	-- --	-- --	--	--	-- 0.22	-- --
		A-13		TEHAMA HU										
		A-13.A		LOWER STONY CREEK HA										
		27N/03W-03H01 M												
06/06/85 1450	5050 5050		74.0F		700 8.0		--	-- --	-- --	-- --	0.3	--	0.06 --	-- 0.08
		A-13.R		RED BLUFF HA										
		22N/01E-04A03 M												
08/12/85 1530	5701 5701		22.0C				--	-- --	-- --	-- --	--	--	-- 0.35	-- --
		22N/01E-10K01 M												
06/17/85 0800	5701 5701		20.0C				--	-- --	-- --	-- --	--	--	-- 0.22	-- --
		22N/01E-15L01 M												
06/17/85 0815	5701 5701		18.0C				--	-- --	-- --	-- --	--	--	-- 0.13	-- --
		22N/01E-16H01 M												
08/12/85 1304	5701 5701		19.0C				--	-- --	-- --	-- --	--	--	-- 0.21	-- --
		22N/01E-21F01 M												
09/17/85 1100	5050 5050		57.0F		380 7.0		--	-- --	-- --	-- --	0.0	--	-- --	-- 0.03
		22N/01E-22H01 M												
08/12/85 1250	5701 5701		18.0C				--	-- --	-- --	-- --	--	--	-- 0.19	-- --
		22N/01E-23K03 M												
06/17/85 0850	5701 5701		22.0C				--	-- --	-- --	-- --	--	--	-- 0.16	-- --
		22N/01E-23L01 M												
06/17/85 1015	5701 5701		19.0C				--	-- --	-- --	-- --	--	--	-- 0.05	-- --
		22N/01E-23P01 M												
06/17/85 0917	5701 5701		19.0C				--	-- --	-- --	-- --	--	--	-- 0.09	-- --
		22N/01E-23Q01 M												
09/17/85 1430	5050 5050		68.0F		320 8.8		--	-- --	-- --	-- --	0.0	--	-- --	-- 0.05
		22N/01E-23R01 M												
08/12/85 1600	5701 5701		18.0C				--	-- --	-- --	-- --	--	--	-- 0.16	-- --

TABLE E-4 (CONTINUED)

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. Q	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.H.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
							CONSTITUENTS IN MILLIGRAMS PER LITER							
		A		SACRAMENTO HR										
		A-13		TEHAMA NU										
		A-13.8		RED BLUFF HA										
		22N/01E-27H01 M												
09/17/85	5050		65.0F	225			--	--	--	--		--	--	--
1130	5050			7.0				--	--	--	0.1		--	0.02
		22N/01E-33N02 M												
09/17/85	5050		60.0F	220			--	--	--	--		--	--	--
1300	5050			7.1				--	--	--	0.0		--	0.03
		27N/03W-03N01 M												
06/06/85	5050		72.0F	290			--	--	--	--		--	0.04	--
1545	5050			7.8				--	--	--	0.0		--	0.05
		27N/03W-03P02 M												
06/05/85	5050		72.0F	380			--	--	--	--		--	0.03	--
1535	5050			7.6				--	--	--	0.0		--	0.06
		27N/03W-03P03 M												
06/05/85	5050		73.0F	285			--	--	--	--		--	0.04	--
1340	5050			8.0				--	--	--	0.0		--	0.05
		27N/03W-03P04 M												
07/01/85	5050		65.0F	303			--	--	--	--		--	0.01	--
1000	5050			7.9				--	--	--	0.0		--	0.05
		27N/03W-09P01 M												
06/04/85	5050		68.0F	290			--	--	--	--		--	0.08	--
1100	5050			7.1				--	--	--	0.0		--	0.08
		27N/03W-10R01 M												
06/04/85	5050		68.0F	340			--	--	--	--		--	0.04	--
1010	5050			7.3				--	--	--	0.1		--	0.08
		27N/03W-10B02 M												
06/06/85	5050		72.0F	280			--	--	--	--		--	0.10	--
1105	5050			7.4				--	--	--	0.0		--	0.10
		27N/03W-10C01 M												
06/06/85	5050			355			--	--	--	--		--	0.07	--
1420	5050			7.3				--	--	--	0.0		--	0.08
		27N/03W-10G01 M												
06/06/85	5050		71.0F	420			--	--	--	--		--	0.10	--
1140	5050			7.6				--	--	--	0.0		--	0.10
		27N/03W-10G02 M												
06/06/85	5050		72.0F	365			--	--	--	--		--	0.11	--
1205	5050			7.3				--	--	--	0.0		--	0.11
		27N/03W-10G03 M												
07/01/85	5050		66.0F	600			--	--	--	--		--	0.05	--
0930	5050			7.0				--	--	--	0.1		--	0.09
		27N/03W-10Q01 M												
06/04/85	5050		64.0F	285			--	--	--	--		--	0.06	--
1030	5050			8.0				--	--	--	0.1		--	0.07
		27N/03W-11L01 M												
07/19/85	5050		70.0F	450			--	--	--	--		--	0.04	--
0930	5050			7.2				--	--	--	0.0		--	0.13
		27N/03W-11P01 M												
07/19/85	5050		70.0F	600			--	--	--	--		--	0.05	--
0910	5050			7.2				--	--	--	0.1		--	0.16
		27N/03W-11P03 M												
07/19/85	5050		65.0F	600			--	--	--	--		--	0.00	--
0840	5050			7.1				--	--	--	0.5		--	0.22
		27N/03W-14R01 M												
07/19/85	5050		67.0F	670			--	--	--	--		--	0.02	--
0805	5050			7.2				--	--	--	0.1		--	0.05
		27N/03W-14G01 M												
07/19/85	5050		65.0F	540			--	--	--	--		--	0.01	--
0830	5050			7.8				--	--	--	0.1		--	0.05
		27N/03W-14H01 M												
06/28/85	5050		69.0F	460			--	--	--	--		--	0.03	--
	5050			7.3				--	--	--	0.0		--	0.07
07/19/85	5050		67.0F	500			--	--	--	--		--	0.01	--
0945	5050			7.2				--	--	--	0.0		--	0.06

TABLE E-4 (CONTINUED)

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	D NO2 D NO3	D ORG N T ORG N	D NH3 T NH3	T NH3 + ORG N	DIS A.M.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
		A A-13 A-13.B 27N/03W-14N02 M		SACRAMENTO MA TEHAMA MU RED BLUFF MA										
06/28/85	5050		67.0F	470			--	--	--	--		--	0.02	--
	5050			7.1				--	--	--	0.0		--	0.04
07/22/85	5050		65.0F	500			--	--	--	--		--	0.00	--
0930	5050			7.0				--	--	--	0.1		--	0.05
		27N/03W-14N01 M												
06/04/85	5050		61.0F	700			--	--	--	--		--	0.08	--
1310	5050			6.7				--	--	--	0.0		--	0.08
		27N/03W-15C01 M												
06/04/85	5050		65.0F	575			--	--	--	--		--	0.03	--
0940	5050			6.9				--	--	--	0.0		--	0.03
		27N/03W-15C02 M												
06/04/85	5050		74.0F	320			--	--	--	--		--	0.05	--
0950	5050			7.3				--	--	--	0.0		--	0.07
		27N/03W-15E01 M												
06/04/85	5050		65.0F	640			--	--	--	--		--	0.03	--
0925	5050			7.0				--	--	--	0.0		--	0.04
		27N/03W-15K02 M												
06/06/85	5050		66.0F	710			--	--	--	--		--	0.04	--
0905	5050			6.8				--	--	--	0.0		--	0.04
		27N/03W-15K03 M												
06/06/85	5050		72.0F	615			--	--	--	--		--	0.06	--
1345	5050			7.1				--	--	--	0.0		--	0.06
		27N/03W-15N02 M												
06/05/85	5050		70.0F	675			--	--	--	--		--	0.09	--
1515	5050			6.8				--	--	--	0.0		--	0.11
		27N/03W-15N03 M												
06/06/85	5050			650			--	--	--	--		--	0.04	--
1325	5050			7.0				--	--	--	0.1		--	0.04
		27N/03W-15N01 M												
06/05/85	5050		68.0F	660			--	--	--	--		--	0.02	--
0905	5050			7.1				--	--	--	0.0		--	0.03
		27N/03W-15N02 M												
06/06/85	5050		70.0F	645			--	--	--	--		--	0.04	--
0915	5050			6.9				--	--	--	0.0		--	0.04
		27N/03W-15P01 M												
06/06/85	5050		71.0F	820			--	--	--	--		--	0.04	--
0850	5050			7.1				--	--	--	0.0		--	0.05
		27N/03W-16F01 M												
06/06/85	5050		68.0F	350			--	--	--	--		--	0.05	--
0840	5050			7.5				--	--	--	0.0		--	0.06
		27N/03W-16N02 M												
06/28/85	5050		64.0F	295			--	--	--	--		--	0.05	--
	5050			6.9				--	--	--	0.0		--	0.06
		27N/03W-20A01 M												
06/04/85	5050		64.0F	275			--	--	--	--		--	0.07	--
0730	5050			7.5				--	--	--	0.0		--	0.08
		27N/03W-20F01 M												
09/13/85	5050		66.0F	235			--	--	--	--		--	--	--
1355	5050			7.6				--	--	--	0.0		--	0.05
		27N/03W-20K01 M												
09/13/85	5050		66.0F	305			--	--	--	--		--	--	--
1335	5050			6.8				--	--	--	0.0		--	0.06
		27N/03W-20Q04 M												
09/13/85	5050		69.0F	320			--	--	--	--		--	--	--
1330	5050			7.0				--	--	--	0.0		--	0.04
		27N/03W-21C01 M												
06/04/85	5050		66.0F	295			--	--	--	--		--	0.03	--
0800	5050			7.3				--	--	--	0.0		--	0.05
		27N/03W-22A01 M												
06/25/85	5050		63.0F	645			--	--	--	--		--	0.03	--
1410	5050			7.1				--	--	--	0.0		--	0.06

TABLE E-4 (CONTINUED)

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	O NO2 D NO3	D ORG N T ORG P	O NH3 T NH3	T NH3 + ORG N	DIS A.W.PO4	D O-PO4 T O-PO4	D TOT P T TOT P
		4 4-13 4-13.B 27N/03W-22B02 M		SACRAMENTO MB TEHAMA MU BEN BLUFF MA										
07/15/85 0950	5050 5050		62.0F	580 7.1			--	-- --	-- --	-- --	0.1	--	0.02 --	-- 0.08
		27N/03W-22B03 M												
06/21/85 1115	5050 5050		64.0F	555 7.3			--	-- --	-- --	-- --	0.2	--	0.05 --	-- 0.06
		27N/03W-22D01 M												
06/21/85 1025	5050 5050		64.0F	515 7.0			--	-- --	-- --	-- --	0.2	--	0.03 --	-- 0.04
		27N/03W-23D01 M												
06/04/85 1300	5050 5050		63.0F	585 7.0			--	-- --	-- --	-- --	0.1	--	0.07 --	-- 0.07
		27N/03W-25D01 M												
06/21/85 1320	5050 5050		67.0F	363 7.1			--	-- --	-- --	-- --	0.2	--	0.03 --	-- 0.05
		27N/03W-27N01 M												
06/21/85 1050	5050 5050		61.0F	600 6.8			--	-- --	-- --	-- --	0.2	--	0.04 --	-- 0.04
		27N/03W-27K01 M												
06/26/85 1520	5050 5050		62.0F	440 7.1			--	-- --	-- --	-- --	0.0	--	0.06 --	-- 0.10
		27N/03W-27Q01 M												
07/15/85 0920	5050 5050		62.0F	560 7.1			--	-- --	-- --	-- --	0.0	--	0.02 --	-- 0.07
		27N/03W-28A02 M												
06/26/85<br	5050 5050		64.0F	340 7.1			--	-- --	-- --	-- --	0.1	--	0.02 --	-- 0.04
		27N/03W-28C03 M												
06/21/85 1300	5050 5050		73.0F	235 7.1			--	-- --	-- --	-- --	0.1	--	0.01 --	-- 0.02

NUTRIENT ANALYSES OF GROUND WATER

DATE TIME	SAMP LAB	G.W. O	TEMP DEPTH	F EC F PH	TURB F CO2	FIELD P ALK T ALK	D NO2 + NO3	O NO2 D NO3	D ORG N T ORG P	O NH3 T NH3	T NH3 + ORG N	DIS A.W.PO4	D O-PO4 T O-PO4	D TOT P T TOT P	REM
		G G-08 G-08.C G-08.C1 31N/10E-03M01 M		NORTH LAMONTAN MB SUSANVILLE MU EAGLE DRAINAGE MA ANTELOPE MOUNTAIN MSA											
07/31/85 1340	5050 5050		50.0F	142 7.0			0.26	-- --	-- --	-- --	0.0	--	-- --	-- 0.03	
		31N/10E-14D01 M													
07/31/85 1410	5050 5050		57.0F	182 7.9			0.10	-- --	-- --	-- --	0.0	--	-- --	-- 0.03	
		31N/10E-14F01 M													
07/31/85 1400	5050 5050		49.5F	164 7.3			0.08	-- --	-- --	-- --	0.0	--	-- --	-- 0.02	
		31N/11E-08L01 M													
07/31/85 1445	5050 5050		57.5F	266 8.1			0.19	-- --	-- --	-- --	0.0	--	-- --	-- 0.03	
		32N/11E-06D01 M													
07/31/85 1305	5050 5050		53.5F	191 6.9			0.25	-- --	-- --	0.00 --	0.0	--	0.04 --	-- 0.04	
		33N/11E-10K01 M													
07/31/85 1140	5050 5050		64.0F	171 7.5			0.36	-- --	-- --	-- --	0.0	--	-- --	-- 0.01	

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County	District Office
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Alameda, Alpine, Amador, Calaveras, Contra Costa, El Dorado, Marin, Mendocino, Mono (North), Napa, Nevada, Placer, Sacramento, San Francisco, San Joaquin, San Mateo, Santa Clara, Sierra, Solano, Sonoma, Sutter, Tuolumne, Yolo, and Yuba	Central District 3251 "S" Street Sacramento, CA 95816-7017 (916) 445-6831
Fresno, Kern (valley), Kings, Madera, Mariposa, Merced, Monterey, San Benito, Santa Cruz, Stanislaus, and Tulare	San Joaquin District 3374 East Shields Avenue Fresno, CA 93726-6990 (209) 445-5443
Imperial, Inyo, Kern (desert), Los Angeles, Orange, Riverside, Mono (South), San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Ventura	Southern District P. O. Box 6598 849 South Broadway, Suite 500 Los Angeles, CA 90055-1598 (213) 620-4107

Inquiries regarding statewide data should be directed to the Division of Planning:

Department of Water Resources
Division of Planning
Statewide Data Coordinator
P. O. Box 942836
Sacramento, CA 94236-0001
(916) 445-7314

State of California—Resources Agency
Department of Water Resources
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