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BULLETIN No. 130-71

# HYDROLOGIC DATA: 1971

## Volume III: CENTRAL COASTAL AREA

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DECEMBER 1972

NORMAN B. LIVERMORE, JR.
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*Director*
Department of Water Resources

STATE OF CALIFORNIA
The Resources Agency

# Department of Water Resources

## BULLETIN No. 130-71

# HYDROLOGIC DATA: 1971

## Volume III: CENTRAL COASTAL AREA

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*Secretary for Resources*
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WILLIAM R. GIANELLI
*Director*
Department of Water Resources

BULLETIN No. 130

# HYDROLOGIC DATA
# AREAL COVERAGE OF VOLUMES

EACH VOLUME CONTAINS

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

THIS VOLUME :

## FOREWORD

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

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

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
The Resources Agency
State of California
October 25, 1972

## METRIC CONVERSION TABLE

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

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## ACKNOWLEDGMENTS

In the preparation of this report, valuable assistance and contributions were received from many public and private agencies. This cooperation is gratefully acknowledged. Special mention is made of the following agencies:

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U. S. Army, Corps of Engineers
U. S. Army, Post Engineer, Fort Ord
U. S. Bureau of Reclamation
U. S. Coast Guard
U. S. Geological Survey
U. S. Soil Conservation Service

### State

Department of Public Health
Department of Veterans Affairs
Division of Highways
Division of Forestry
Regional Water Quality Control Board, Central Coast Region, North Coast Region, and San Francisco Bay Region
University of California, Agricultural Extension Service
Water Resources Control Board

### Local

Alameda County Flood Control and Water Conservation District
Alameda County Water District
City of San Francisco
City of Vallejo
East Bay Municipal Utility District
Marin County
Mendocino County
Monterey County Flood Control and Water Conservation District
Napa County
San Benito County
San Luis Obispo County Flood Control and Water Conservation District
Santa Clara County Flood Control and Water District
Santa Cruz County
Solano Irrigation District
Sonoma County Flood Control and Water Conservation District
South Santa Clara Valley Water Conservation District

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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

This report was prepared in the

CENTRAL DISTRICT

John M. Haley . . . . . District Engineer
Donald J. Finlayson . . . . . Chief, Water Utilization Branch
Edward J. Labrie . . . . . Chief, Data Evaluation Section

assisted by

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

A portion of the data was furnished by the

SAN JOAQUIN DISTRICT

Carl L. Stetson . . . . . District Engineer
Floyd I. Bluhm . . . . . Chief, Water Supply and Utilization Branch
G. Donald Meixner . . . . . Chief, Planning and Investigations Branch
Cledith L. Chastain . . . . . Chief, Water Supply Unit
Victor B. McIntyre . . . . . Chief, Water Quality Unit

and by the

NORTHERN DISTRICT

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

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

## ABSTRACT

Report contains tables showing data on surface water measurements; ground water levels; surface and ground water quality; and waste water in the Central Coastal Area for the 1970-71 water year. Figures show the location of ground water basins; the average depth to water in wells; the location of surface water measurement and surface water quality stations; and major hydrographic area and subunit boundaries.

# Appendix A: CLIMATOLOGICAL DATA

# INTRODUCTION

The Department of Water Resources has substantially reduced its collection and publication of climatological data in recent years. California's primary network of precipitation data which was formerly printed in this bulletin is available in "Climatological Data-California", "Hourly Precipitation Data-California", and "Storage Gage Precipitation Data in Western United States". These National Weather Service publications are available from:

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

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

U. S. Department of The Army,
Corps of Engineers
San Francisco District

Alameda County Flood Control and
Water Conservation District

Contra Costa County Flood Control
and Water District

Marin Municipal Water District

Marin County Department of
Public Works

Monterey County

San Benito County

San Francisco County

San Luis Obispo County Flood Control
and Water Conservation District

Santa Clara County Flood Control
and Water District

Santa Cruz County Department of
Public Works

Sonoma County Water Agency

## Appendix B: SURFACE WATER MEASUREMENTS

# INTRODUCTION

This appendix contains surface water data for the period from October 1, 1970, through September 30, 1971. These data consist of the amounts of water imported to the report area; daily mean gage heights; daily maximum and minimum tides; and corrections and revisions to previously published reports of surface water data. Station locations are shown on Figure D-1, sheet 2, page 42.

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

1. "Water Resources Data for California, Part 1: Surface Water Records, Volume I: Colorado River Basin, Southern Great Basin, and Pacific Slope Basins excluding Central Valley". U. S. Geological Survey.

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

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

TABLE B-1

SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

| Import | 1971 Water Year | | | | | | | | | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | October | November | December | January | February | March | April | May | June | July | August | September | |
| CITY OF VALLEJO FROM CACHE SLOUGH a | | | | | | | | | | | | | |
| Total acre-feet | 1,279 | 648 | 1,099 | 1,179 | 849 | 1,115 | 1,341 | 1,433 | 1,519 | 1,563 | 1,504 | 1,480 | 15,009 |
| Average cubic feet per second | 21 | 11 | 18 | 19 | 15 | 18 | 23 | 23 | 26 | 25 | 24 | 25 | 21 |
| Monthly quantities in percent of seasonal | 8.5 | 4.3 | 7.3 | 7.9 | 5.7 | 7.4 | 9.0 | 9.5 | 10.1 | 10.4 | 10.0 | 9.9 | |
| CONTRA COSTA CANAL b | | | | | | | | | | | | | |
| Total acre-feet * | 7,124 | 4,663 | 3,868 | 3,902 | 3,616 | 4,378 | 4,724 | 5,974 | 8,420 | 10,150 | 11,078 | 7,587 | 75,484 |
| Average cubic feet per second * | 116 | 78 | 63 | 63 | 65 | 71 | 79 | 97 | 142 | 165 | 180 | 128 | 104 |
| Monthly quantities in percent of seasonal | 9.4 | 6.2 | 5.1 | 5.2 | 4.8 | 5.8 | 6.2 | 7.9 | 11.2 | 13.4 | 14.7 | 10.1 | |
| HETCH HETCHY AQUEDUCT c | | | | | | | | | | | | | |
| Total acre-feet | 21,579 | 15,955 | 15,653 | 11,058 | 10,457 | 9,485 | 18,773 | 22,237 | 21,858 | 22,877 | 22,814 | 21,999 | 214,745 |
| Average cubic feet per second | 351 | 268 | 255 | 180 | 188 | 154 | 315 | 362 | 367 | 372 | 371 | 370 | 296 |
| Monthly quantities in percent of seasonal | 10.0 | 7.4 | 7.3 | 5.1 | 4.9 | 4.4 | 8.8 | 10.4 | 10.2 | 10.7 | 10.6 | 10.2 | |
| MOKELUMNE RIVER AQUEDUCT d | | | | | | | | | | | | | |
| Total acre-feet | 18,651 | 17,875 | 18,489 | 16,719 | 13,318 | 17,456 | 17,934 | 18,598 | 18,270 | 19,146 | 19,118 | 18,463 | 214,037 |
| Average cubic feet per second | 303 | 300 | 301 | 272 | 240 | 284 | 301 | 302 | 307 | 311 | 311 | 310 | 296 |
| Monthly quantities in percent of seasonal | 8.7 | 8.4 | 8.6 | 7.8 | 6.2 | 8.2 | 8.4 | 8.7 | 8.5 | 9.0 | 8.9 | 8.6 | |
| POTTER VALLEY POWERHOUSE FROM EEL RIVER e | | | | | | | | | | | | | |
| Total acre-feet | 17,440 | 16,120 | 18,890 | 18,770 | 17,170 | 18,850 | 16,950 | 18,790 | 15,010 | 6,280 | 4,000 | 8,070 | 176,340 |
| Average cubic feet per second | 284 | 271 | 307 | 305 | 309 | 307 | 285 | 306 | 252 | 102 | 65 | 136 | 243 |
| Monthly quantities in percent of seasonal | 9.9 | 9.1 | 10.7 | 10.6 | 9.7 | 10.7 | 9.6 | 10.7 | 8.5 | 3.6 | 2.3 | 4.6 | |
| PUTAH SOUTH CANAL b | | | | | | | | | | | | | |
| Total acre-feet * | 23,222 | 8,114 | 1,866 | 1,989 | 2,192 | 5,833 | 16,430 | 26,222 | 32,847 | 37,462 | 29,895 | 30,098 | 216,170 |
| Average cubic feet per second * | 378 | 136 | 30 | 32 | 39 | 95 | 276 | 426 | 552 | 609 | 486 | 506 | 299 |
| Monthly quantities in percent of seasonal | 10.7 | 3.8 | 0.9 | 0.9 | 1.0 | 2.7 | 7.6 | 12.2 | 15.2 | 17.3 | 13.8 | 13.9 | |
| SOUTH BAY AQUEDUCT | | | | | | | | | | | | | |
| Total acre-feet | 4,388 | 3,513 | 5,071 | 5,228 | 6,338 | 7,805 | 14,919 | 12,679 | 11,883 | 13,441 | 14,806 | 7,353 | 107,424 |
| Average cubic feet per second | 71 | 59 | 82 | 85 | 114 | 127 | 251 | 206 | 200 | 219 | 241 | 124 | 148 |
| Monthly quantities in percent of seasonal | 4.1 | 3.3 | 4.7 | 4.8 | 5.9 | 7.3 | 13.9 | 11.8 | 11.1 | 12.5 | 13.8 | 6.8 | |

a Data furnished by City of Vallejo.

b Data furnished by U. S. Bureau of Reclamation.

c Data furnished by City of San Francisco.

d Data furnished by East Bay Municipal Utility District.

e Data furnished by U. S. Geological Survey.

* Amounts are total diversion into the canal; an unknown portion of this is imported to the Central Coastal Area.

# TABLE B-2
## DAILY MEAN GAGE HEIGHT
(IN FEET)

| WATER YEAR | STATION NO. | STATION NAME |
|---|---|---|
| 1971 | E31400 | RECTOR RESERVOIR NEAR YOUNTVILLE |

| DAY | OCT. | NOV. | DEC. | JAN. | FEB. | MAR. | APR. | MAY | JUNE | JULY | AUG. | SEPT. | DAY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 350.05 | 349.71 | 361.87 | 370.34 | 370.18 | 370.10 | 370.13 | 370.08 | 368.32 | 364.45 | 360.00 | 355.82 | 1 |
| 2 | 350.00 | 349.72 | 364.60 | 370.28 | 370.15 | 370.10 | 370.12 | 370.08 | 368.21 | 364.31 | 359.85 | 355.69 | 2 |
| 3 | 349.93 | 349.93 | 367.88 | 370.26 | 370.14 | 370.11 | 370.10 | 370.09 | 368.09 | 364.18 | 359.74 | 355.58 | 3 |
| 4 | 349.90 | 350.08 | 370.68 | 370.25 | 370.14 | 370.11 | 370.09 | 370.09 | 367.92 | 364.02 | 359.60 | 355.43 | 4 |
| 5 | 349.87 | 350.17 | 370.43 | 370.23 | 370.14 | 370.10 | 370.07 | 370.08 | 367.80 | 363.89 | 359.45 | 355.29 | 5 |
| 6 | 349.85 | 350.37 | 370.32 | 370.23 | 370.14 | 370.10 | 370.09 | 370.07 | 367.69 | 363.75 | 359.31 | 355.14 | 6 |
| 7 | 349.78 | 350.43 | 370.31 | 370.23 | 370.15 | 370.10 | 370.10 | 370.05 | 367.55 | 363.60 | 359.27 | 355.02 | 7 |
| 8 | 349.74 | 350.47 | 370.32 | 370.23 | 370.15 | 370.09 | 370.13 | 370.06 | 367.43 | 363.47 | 359.02 | 354.92 | 8 |
| 9 | 349.68 | 350.49 | 370.27 | 370.23 | 370.15 | 370.10 | 370.11 | 370.05 | 367.32 | 363.33 | 358.87 | 354.88 | 9 |
| 10 | 349.65 | 350.53 | 370.25 | 370.22 | 370.15 | 370.10 | 370.11 | 370.04 | 367.20 | 363.20 | 358.74 | 354.81 | 10 |
| 11 | 349.60 | 350.57 | 370.24 | 370.26 | 370.14 | 370.11 | 370.12 | 370.03 | 367.06 | 363.04 | 358.60 | 354.78 | 11 |
| 12 | 349.60 | 350.58 | 370.23 | 370.27 | 370.14 | 370.37 | 370.12 | 370.03 | 366.95 | 362.90 | 358.50 | 354.76 | 12 |
| 13 | 349.57 | 350.59 | 370.22 | 370.26 | 370.13 | 370.23 | 370.13 | 370.02 | 366.85 | 362.78 | 358.38 | 354.69 | 13 |
| 14 | 349.57 | 350.61 | 370.21 | 370.26 | 370.13 | 370.22 | 370.14 | 369.99 | 366.73 | 362.63 | 358.25 | 354.64 | 14 |
| 15 | 349.56 | 350.63 | 370.53 | 370.25 | 370.13 | 370.21 | 370.15 | 369.97 | 366.56 | 362.49 | 358.12 | 354.59 | 15 |
| 16 | 349.53 | 350.66 | 370.50 | 370.32 | 370.13 | 370.20 | 370.15 | 369.96 | 366.44 | 362.33 | 357.98 | 354.52 | 16 |
| 17 | 349.53 | 350.67 | 370.42 | 370.33 | 370.12 | 370.16 | 370.16 | 369.88 | 366.26 | 362.19 | 357.84 | 354.48 | 17 |
| 18 | 349.54 | 350.69 | 370.47 | 370.33 | 370.12 | 370.16 | 370.16 | 369.78 | 366.07 | 362.06 | 357.73 | 354.43 | 18 |
| 19 | 349.53 | 350.68 | 370.38 | 370.31 | 370.12 | 370.16 | 370.12 | 369.69 | 365.98 | 361.91 | 357.57 | 354.41 | 19 |
| 20 | 349.57 | 350.69 | 370.75 | 370.30 | 370.11 | 370.16 | 370.11 | 369.57 | 365.91 | 361.78 | 357.44 | 354.35 | 20 |
| 21 | 349.61 | 350.74 | 370.48 | 370.28 | 370.12 | 370.16 | 370.10 | 369.43 | 365.79 | 361.64 | 357.30 | 354.31 | 21 |
| 22 | 349.62 | 350.76 | 370.38 | 370.28 | 370.12 | 370.15 | 370.11 | 369.34 | 365.64 | 361.47 | 357.18 | 354.28 | 22 |
| 23 | 349.67 | 350.78 | 370.34 | 370.26 | 370.12 | 370.15 | 370.09 | 369.24 | 365.53 | 361.32 | 357.05 | 354.25 | 23 |
| 24 | 349.67 | 350.85 | 370.30 | 370.25 | 370.12 | 370.15 | 370.09 | 369.13 | 365.40 | 361.17 | 356.92 | 354.14 | 24 |
| 25 | 359.69 | 350.91 | 370.29 | 370.24 | 370.11 | 370.21 | 370.09 | 369.01 | 365.27 | 361.02 | 356.77 | 354.01 | 25 |
| 26 | 349.69 | 350.96 | 370.26 | 370.23 | 370.11 | 370.34 | 370.09 | 368.90 | 365.12 | 360.87 | 356.66 | 353.88 | 26 |
| 27 | 349.69 | 353.20 | 370.26 | 370.23 | 370.11 | 370.25 | 370.09 | 368.81 | 364.99 | 360.74 | 356.54 | 353.77 | 27 |
| 28 | 349.68 | 357.40 | 370.34 | 370.22 | 370.11 | 370.20 | 370.09 | 368.72 | 364.88 | 360.59 | 356.40 | 353.63 | 28 |
| 29 | 349.68 | 359.41 | 370.38 | 370.22 | | 370.20 | 370.09 | 368.63 | 364.73 | 360.43 | 356.26 | 353.55 | 29 |
| 30 | 349.69 | 360.77 | 370.33 | 370.21 | | 370.14 | 370.08 | 368.52 | 364.60 | 360.30 | 356.13 | 353.44 | 30 |
| 31 | 349.71 | | 370.31 | 370.20 | | 370.14 | | 368.42 | | 360.16 | 356.00 | | 31 |

E — ESTIMATED

NR — NO RECORD

NF — NO FLOW

### MAXIMUM INSTANTANEOUS GAGE HEIGHTS

| DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE | DATE | TIME | STAGE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12-4-70 | 1100 | 371.09 | | | | | | | | | |

| LOCATION | | | MAXIMUM DISCHARGE | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R. M.D.B.&M. | OF RECORD | | | DISCHARGE | GAGE HEIGHT ONLY | PERIOD | | ZERO ON GAGE | REF. DATUM |
| | | | CFS | GAGE HT. | DATE | | | FROM | TO | | |
| 38 26 24 | 122 20 36 | SE 19 7N 4W | | | | | MAY 1948-DATE | 5-48 | | 0.00 | USCGS |

Rector Reservoir is located on Rector Creek about 3 miles northeast of Yountville. Gaging station is located on the outlet tower of the reservoir. Elevation of reservoir floor is 250 feet. Spillway elevation is 370 feet.

TABLE B-3
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

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

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

| LOCATION | | | MAXIMUM DISCHARGE OF RECORD | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R., M.O.B. & M. | CFS | GAGE HT. | DATE | DISCHARGE | GAGE HEIGHT ONLY | PERIOD FROM | PERIOD TO | ZERO ON GAGE | REF. DATUM |
| 38 04 25 | 121 51 18 | SW 27 3N 1E | | 9.2 | 4-6-1958 | | JUNE 1929-DATE | 1929 | | 0.00 | USED |
| | | | | | | | | 1929 | | -3.05 | USCGS |
| | | | | | | | | | 1964 | -3.54 | USCGS |
| | | | | | | | | 1964 | | -3.00 | USCGS |

TABLE B-3 (CONT.)
DAILY MAXIMUM AND MINIMUM TIDES
(IN FEET)

| WATER YEAR | STATION NUMBER | STATION NAME |
|---|---|---|
| 1971 | E03300 | SUISUN BAY AT BENICIA |

| DATE | OCTOBER | NOVEMBER | DECEMBER | JANUARY | FEBRUARY | MARCH | APRIL | MAY | JUNE | JULY | AUGUST | SEPTEMBER | DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.10<br>-1.64 | 3.39<br>-2.62 | 4.50<br>-1.68 | 3.02<br>-2.58 | 3.46<br>-1.66 | 2.86<br>-2.98 | 2.90<br>-3.06 | 2.54<br>-2.70 | 2.37<br>-1.81 | 3.03<br>-0.95 | 3.38<br>-1.79 | 3.55<br>-2.36 | 1 |
| 2 | 3.35<br>-1.69 | 3.51<br>-2.46 | 4.18<br>-2.30 | 3.08<br>-2.82 | 3.43<br>-2.09 | 2.68<br>-3.25 | 2.43<br>-2.88 | 2.26<br>-2.46 | 2.58<br>-1.09 | 3.14<br>-1.43 | 3.56<br>-1.94 | 3.51<br>-2.31 | 2 |
| 3 | 3.42<br>-1.82 | 3.47<br>-2.15 | 3.70<br>-1.85 | 2.50<br>-2.03 | 3.16<br>-2.51 | 2.59<br>-3.10 | 2.29<br>-2.68 | 2.43<br>-2.16 | 2.81<br>-1.54 | 3.33<br>-1.81 | 3.81<br>-2.08 | 3.62<br>-2.54 | 3 |
| 4 | 3.36<br>-1.95 | 3.29<br>-2.11 | 3.13<br>-2.34 | 2.87<br>-2.08 | 3.14<br>-2.76 | 2.71<br>-2.84 | 2.21<br>-2.55 | 2.48<br>-2.03 | 3.05<br>-2.05 | 3.59<br>-2.06 | 3.79<br>-2.34 | 2.82<br>-2.30 | 4 |
| 5 | 3.45<br>-1.73 | 2.98<br>0.97 | 2.89<br>-0.13 | 3.20<br>-2.37 | 3.19<br>-2.90 | 2.25<br>-3.48 | 2.36<br>-2.24 | 2.81<br>-1.44 | 3.21<br>-2.38 | 3.85<br>-2.28 | 3.92<br>-2.52 | 3.67<br>-1.93 | 5 |
| 6 | 3.26<br>0.85 | 2.70<br>-2.20 | 3.14<br>-2.01 | 3.23<br>-2.83 | 3.30<br>-2.94 | 2.29<br>-3.45 | 2.59<br>-2.24 | 3.11<br>-1.64 | 3.48<br>-2.57 | 4.05<br>-2.35 | 2.31<br>-2.48 | 3.45<br>-1.73 | 6 |
| 7 | 2.87<br>-2.06 | 2.59<br>-2.16 | 3.59<br>-1.32 | 3.45<br>-3.00 | 3.32<br>-3.02 | 2.45<br>-3.07 | 2.56<br>-2.07 | 3.17<br>-1.93 | 3.71<br>-2.66 | 2.27<br>-2.39 | 3.80<br>-2.55 | 3.56<br>-1.92 | 7 |
| 8 | 2.91<br>-2.43 | 2.70<br>-2.28 | 4.03<br>-1.60 | 3.69<br>-2.94 | 3.25<br>-2.99 | 2.55<br>-2.93 | 2.18<br>-1.86 | 1.96<br>-2.27 | 2.13<br>-2.70 | 4.02<br>-2.76 | 3.48<br>-2.46 | 3.84<br>-1.85 | 8 |
| 9 | 3.13<br>-2.30 | 3.09<br>-1.91 | 4.16<br>-2.35 | 3.95<br>-2.84 | 2.86<br>-3.18 | 2.53<br>-2.81 | 2.65<br>-2.05 | 3.08<br>-2.76 | 3.84<br>-2.82 | 3.92<br>-2.89 | 3.09<br>-2.27 | 3.88<br>-1.92 | 9 |
| 10 | 3.14<br>-1.96 | 3.46<br>-2.01 | 3.97<br>-2.70 | 4.04<br>-2.59 | 2.77<br>-2.94 | 2.46<br>-2.63 | 2.93<br>-2.33 | 3.24<br>-2.76 | 3.91<br>-2.90 | 3.60<br>-2.99 | 3.28<br>-1.92 | 3.70<br>0.13 | 10 |
| 11 | 3.09<br>-1.93 | 3.72<br>-2.24 | 3.98<br>-2.87 | 4.17<br>-2.42 | 2.62<br>-2.62 | 2.40<br>-2.28 | 2.86<br>-2.63 | 3.42<br>-2.73 | 3.76<br>-2.87 | 3.31<br>-2.82 | 3.59<br>-1.22 | 3.44<br>-2.03 | 11 |
| 12 | 3.06<br>-1.84 | 3.63<br>-2.78 | 4.11<br>-2.80 | 3.88<br>-2.17 | 2.30<br>-2.40 | 3.33<br>-1.49 | 2.94<br>-2.75 | 3.50<br>-2.86 | 3.52<br>-2.88 | 3.01<br>-2.55 | 3.62<br>-0.68 | 3.35<br>-2.21 | 12 |
| 13 | 3.39<br>-1.62 | 3.67<br>-3.01 | 4.16<br>-2.79 | 3.73<br>-2.29 | 2.46<br>-1.87 | 2.71<br>-1.82 | 3.12<br>-2.62 | 3.45<br>-3.03 | 3.03<br>-2.95 | 3.10<br>-2.24 | 3.68<br>-1.57 | 3.40<br>-2.23 | 13 |
| 14 | 3.69<br>-1.92 | 3.66<br>-2.92 | 3.81<br>-2.79 | 3.20<br>-2.33 | 2.65<br>-1.31 | 2.46<br>-2.05 | 3.41<br>-2.63 | 3.25<br>-3.03 | 2.59<br>-2.93 | 3.41<br>-1.56 | 3.66<br>-1.83 | 3.41<br>-2.06 | 14 |
| 15 | 3.74<br>-2.25 | 3.62<br>-2.81 | 3.54<br>-2.20 | 2.78<br>-2.21 | 2.71<br>-1.35 | 2.42<br>-2.54 | 3.10<br>-2.77 | 3.09<br>-2.92 | 2.92<br>-2.52 | 3.67<br>-1.33 | 3.62<br>-2.07 | 3.42<br>-1.95 | 15 |
| 16 | 3.77<br>-2.42 | 3.31<br>-2.72 | 3.72<br>-2.06 | 2.54<br>-1.81 | 2.71<br>-1.24 | 2.48<br>-2.49 | 3.04<br>-2.53 | 2.34<br>-3.55 | 3.34<br>-1.71 | 3.81<br>-1.65 | 3.63<br>-2.21 | 3.41<br>-1.81 | 16 |
| 17 | 3.72<br>-2.43 | 2.93<br>-2.65 | 3.07<br>-1.94 | 2.46<br>-1.20 | 2.92<br>-1.43 | 2.56<br>-2.55 | 3.05<br>-2.47 | 2.14<br>-3.23 | 3.75<br>-1.44 | 3.80<br>-1.98 | 3.61<br>-2.33 | 2.95<br>-1.56 | 17 |
| 18 | 3.49<br>-2.43 | 2.59<br>-2.47 | 3.17<br>-1.53 | 2.53<br>-0.78 | 2.49<br>-2.07 | 2.48<br>-2.56 | 2.27<br>-2.94 | 2.61<br>-2.69 | 3.76<br>-1.84 | 3.91<br>-2.32 | 3.65<br>-2.32 | 3.26<br>-1.47 | 18 |
| 19 | 3.27<br>-2.16 | 2.21<br>0.56 | 2.85<br>-1.01 | 2.67<br>-0.97 | 2.57<br>-2.61 | 2.44<br>-2.48 | 2.33<br>-2.66 | 3.11<br>-2.26 | 3.89<br>-2.30 | 4.02<br>-2.53 | 2.43<br>-2.18 | 3.08<br>-1.47 | 19 |
| 20 | 2.93<br>0.98 | 2.28<br>-2.21 | 2.95<br>0.63 | 2.86<br>-1.58 | 2.56<br>-3.05 | 2.64<br>-2.49 | 2.64<br>-2.69 | 3.53<br>-1.79 | 3.97<br>-2.69 | 4.04<br>-2.48 | 3.45<br>-2.22 | 3.17<br>-1.19 | 20 |
| 21 | 2.68<br>-2.21 | 2.57<br>-1.72 | 3.50<br>-0.16 | 2.96<br>-2.11 | 2.95<br>-3.24 | 2.63<br>-2.80 | 2.76<br>-2.80 | 3.74<br>-2.14 | 4.02<br>-2.90 | 2.37<br>-2.47 | 3.24<br>-2.12 | 3.21<br>-1.47 | 21 |
| 22 | 2.31<br>-1.72 | 2.74<br>-1.38 | 3.13<br>-1.19 | 3.21<br>-2.48 | 3.30<br>-3.00 | 2.76<br>-2.93 | 3.15<br>-2.42 | 4.05<br>-2.61 | 2.19<br>-2.99 | 3.85<br>-2.52 | 3.00<br>-1.95 | 3.19<br>-1.68 | 22 |
| 23 | 2.45<br>-2.04 | 2.69<br>-1.45 | 2.97<br>-1.85 | 3.53<br>-2.83 | 3.47<br>-3.17 | 3.03<br>-2.85 | 3.44<br>-2.54 | 2.29<br>-2.73 | 3.97<br>-2.95 | 3.66<br>-2.44 | 2.78<br>-1.74 | 3.08<br>-1.72 | 23 |
| 24 | 2.38<br>-1.97 | 3.09<br>-1.53 | 3.28<br>-2.33 | 3.80<br>-3.01 | 3.44<br>-3.02 | 3.06<br>-2.68 | 2.12<br>-3.07 | 4.09<br>-3.02 | 3.88<br>-2.85 | 3.45<br>-2.19 | 2.92<br>-1.32 | 3.26<br>-1.50 | 24 |
| 25 | 2.49<br>-1.91 | 3.62<br>-1.51 | 3.45<br>-2.75 | 3.80<br>-3.29 | 2.77<br>-3.50 | 3.14<br>-2.15 | 3.66<br>-3.19 | 4.10<br>-3.09 | 3.55<br>-2.76 | 3.03<br>-2.13 | 3.09<br>-0.99 | 3.16<br>-1.75 | 25 |
| 26 | 2.38<br>-1.86 | 3.70<br>-1.88 | 3.84<br>-2.82 | 3.74<br>-3.30 | 2.32<br>-3.32 | 3.56<br>-1.88 | 4.04<br>-3.15 | 3.99<br>-3.09 | 3.17<br>-2.56 | 2.63<br>-1.93 | 3.22<br>-1.17 | 2.92<br>1.05 | 26 |
| 27 | 2.33<br>-2.27 | 4.05<br>-1.35 | 4.14<br>-2.87 | 3.79<br>-3.23 | 2.34<br>-2.68 | 3.35<br>-2.38 | 3.86<br>-3.31 | 3.81<br>-2.88 | 2.86<br>-2.33 | 2.75<br>-1.56 | 3.02<br>0.16 | 2.65<br>-1.91 | 27 |
| 28 | 2.50<br>-2.44 | 4.63<br>-1.74 | 4.24<br>-2.61 | 3.52<br>-3.03 | 2.85<br>-2.64 | 3.44<br>-2.81 | 3.69<br>-3.18 | 3.21<br>-3.21 | 2.59<br>-2.17 | 2.78<br>-1.06 | 2.90<br>-1.45 | 2.75<br>-2.11 | 28 |
| 29 | 2.99<br>-2.34 | 4.83<br>-1.77 | 4.16<br>-3.06 | 3.06<br>-2.89 | | 3.68<br>-2.72 | 3.25<br>-3.18 | 2.76<br>-2.83 | 2.67<br>-1.63 | 2.79<br>-0.90 | 3.02<br>-1.67 | 3.30<br>-2.28 | 29 |
| 30 | 3.42<br>-2.31 | 4.82<br>-1.81 | 3.78<br>-3.14 | 2.97<br>-2.43 | | 3.85<br>-2.56 | 2.79<br>-3.14 | 2.38<br>-2.63 | 2.82<br>-0.96 | 2.90<br>-1.33 | 3.26<br>-1.90 | 2.87<br>-2.05 | 30 |
| 31 | 3.29<br>-2.58 | | 3.41<br>-3.05 | 3.19<br>-1.56 | | 3.27<br>-3.21 | | 2.30<br>-2.29 | | 3.14<br>-1.50 | 3.32<br>-2.06 | | 31 |
| MAXIMUM | 3.77 | 4.83 | 4.50 | 4.17 | 3.47 | 3.85 | 4.04 | 4.10 | 4.02 | 4.05 | 3.92 | 3.88 | MAXIMUM |
| MINIMUM | -2.58 | -3.01 | -3.14 | -3.30 | -3.50 | -3.48 | -3.31 | -3.55 | -2.99 | -2.99 | -2.55 | -2.54 | MINIMUM |

| LOCATION | | | MAXIMUM DISCHARGE OF RECORD | | | PERIOD OF RECORD | | DATUM OF GAGE | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LATITUDE | LONGITUDE | 1/4 SEC. T. & R., M.D.B. & M. | CFS | GAGE HT. | DATE | DISCHARGE | GAGE HEIGHT ONLY | PERIOD FROM | PERIOD TO | ZERO ON GAGE | REF. DATUM |
| 38 02 27 | 122 08 04 | SW 6 2N 2W | | 5.7 | 4-6-1958 | | JUNE 29-APR 40<br>APR 40-DATE | 1929<br>1940<br>1942 | 1940<br>1942 | -2.21<br>-5.00<br>0.00 | USCGS<br>USCGS<br>USCGS |

Station located on channel side of wharf (formerly located on inshore side of wharf) immediately southeast of Benicia. Period of record intermittent from 1929 to 1940.

TABLE B-4

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

| Location of Error or Revision | | | | | Change or Revision | |
|---|---|---|---|---|---|---|
| Report | Page | Mile & Bank | Name | Item | From | To |
| | | | | 1962 | | |
| Bulletin No. 23-62 | 394 | | Suisun Bay at Benicia Arsenal | Daily Maximum and Minimum Tides for the period 3-1-62 to 3-28-62, inclusive | Published values | 2.00 feet lower than published values |
| | | | | Maximum for March 1962 | 16.72 | 14.72 |
| | | | | 1963 | | |
| Bulletin No. 130-63 | B-7 | | Suisun Bay at Benicia Arsenal | Maximum Gage Height of Record | 6.72 | 5.7 |
| | | | | Date of Maximum Gage Height of Record | 3-5-62 | 4-6-58 |
| | | | | 1964 | | |
| Bulletin No. 130-64 | 48 | | Suisun Bay at Benicia Arsenal | Maximum Gage Height of Record | 6.72 | 5.7 |
| | | | | Date of Maximum Gage Height of Record | 3-5-62 | 4-6-58 |
| Bulletin No. 130-64 | 52 | | City of Vallejo from Cache Slough | Total acre-feet | Published values | Values published in Bulletin No. 130-66 Table B-2 |
| | | | | Average cubic feet per second | Published values | Values published in Bulletin No. 130-66 Table B-2 |
| | | | | Monthly quantities in percent of seasonal | Published values | Values published in Bulletin No. 130-66 Table B-2 |
| | | | | 1967 | | |
| Bulletin No. 130-67 | 44 | | Sacramento River at Collinsville | Daily Maximum and Minimum Tides | | Notation: In order to machine process the data it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights. |
| Bulletin No. 130-67 | 45 | | Suisun Bay at Benicia Arsnnal | Daily Maximum and Minimum Tides | | Notation: In order to machine process the data it was necessary to avoid negative gage heights. Subtract 10.00 feet to obtain gage heights. |

## Appendix C: GROUND WATER MEASUREMENTS

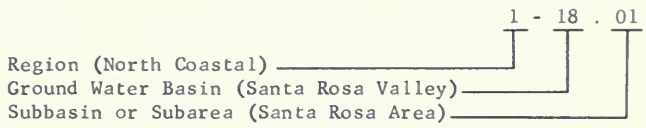
## INTRODUCTION

This appendix contains ground water level measurements from 385 wells for the period October 1, 1970, through September 30, 1971. It contains tables which summarize the measurements and bar graphs of average depth to water in selected basins.

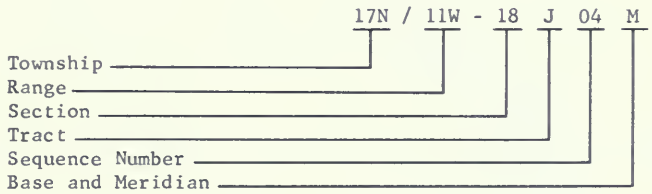
There are 28 ground water basins or areas in the Central Coastal Area for which data are reported. Wells are selected to reflect the ground water conditions of the area. These wells are continuously reviewed, and when conditions dictate, replacement wells are located and measured.

Two numbering systems are used by the Department to facilitate processing of water level measurement data. The two systems are the Region and Basin Designation and the State Well Numbering System as described below.

The regions used in this report are geographic areas defined in Section 13200 of the Water Code. That portion of Northern California covered by this report comprises the southern portion of North Coastal Region No. 1, the northern portion of Central Coastal Region No. 3, and all of San Francisco Bay Region No. 2. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:




The State Well Numbering System is based on township, range, and section subdivisions of the public land survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



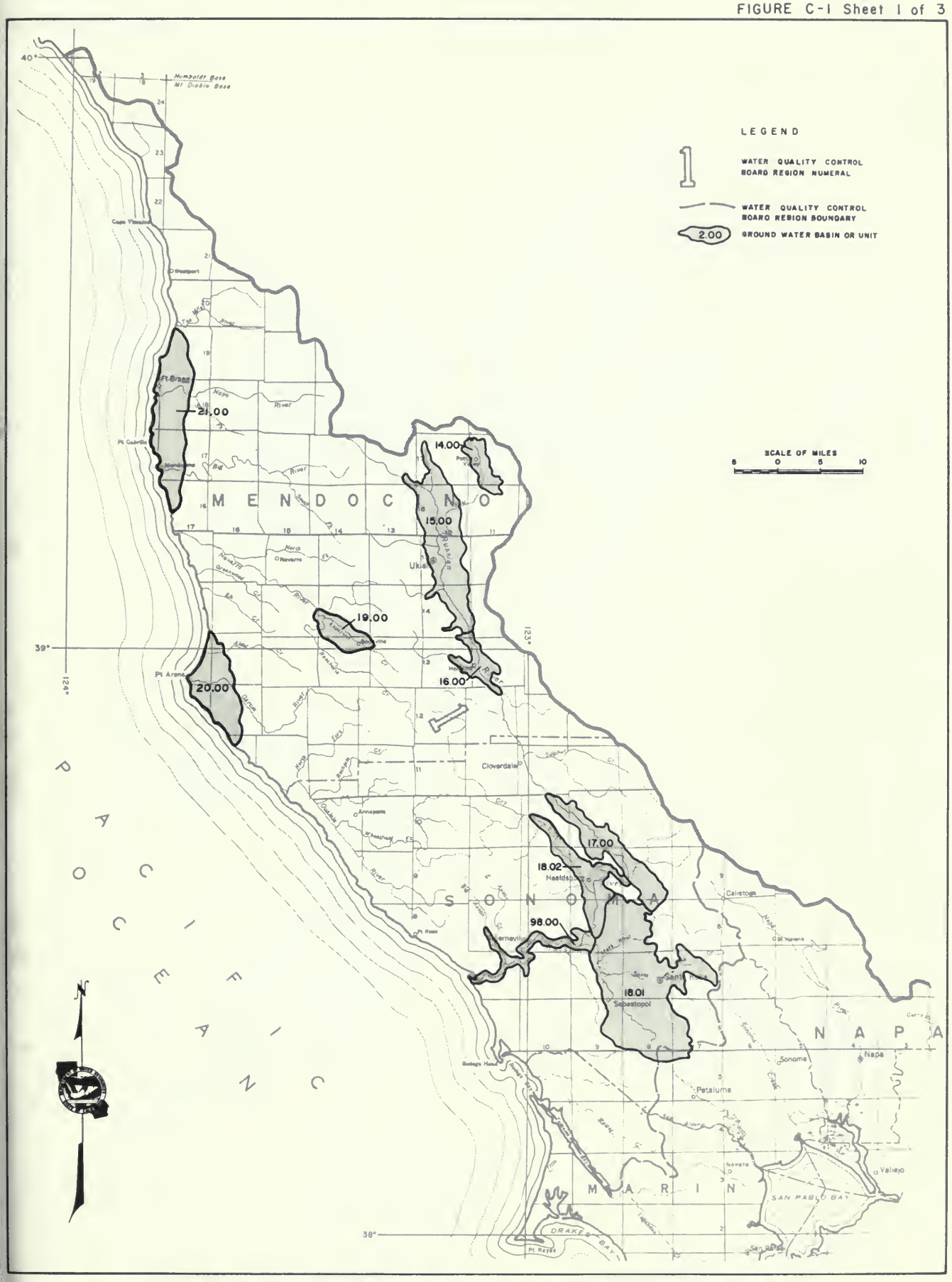

This number identifies and locates the well. In the example, the well is in Township 17 North, Range 11 West, Tract J of Section 18, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

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

Sequence numbers in a tract are generally assigned in chronological order. The example designates the fourth well to be assigned a number in Tract J.

INDEX TO GROUND WATER MEASUREMENT DATA
IN THE CENTRAL COASTAL AREA

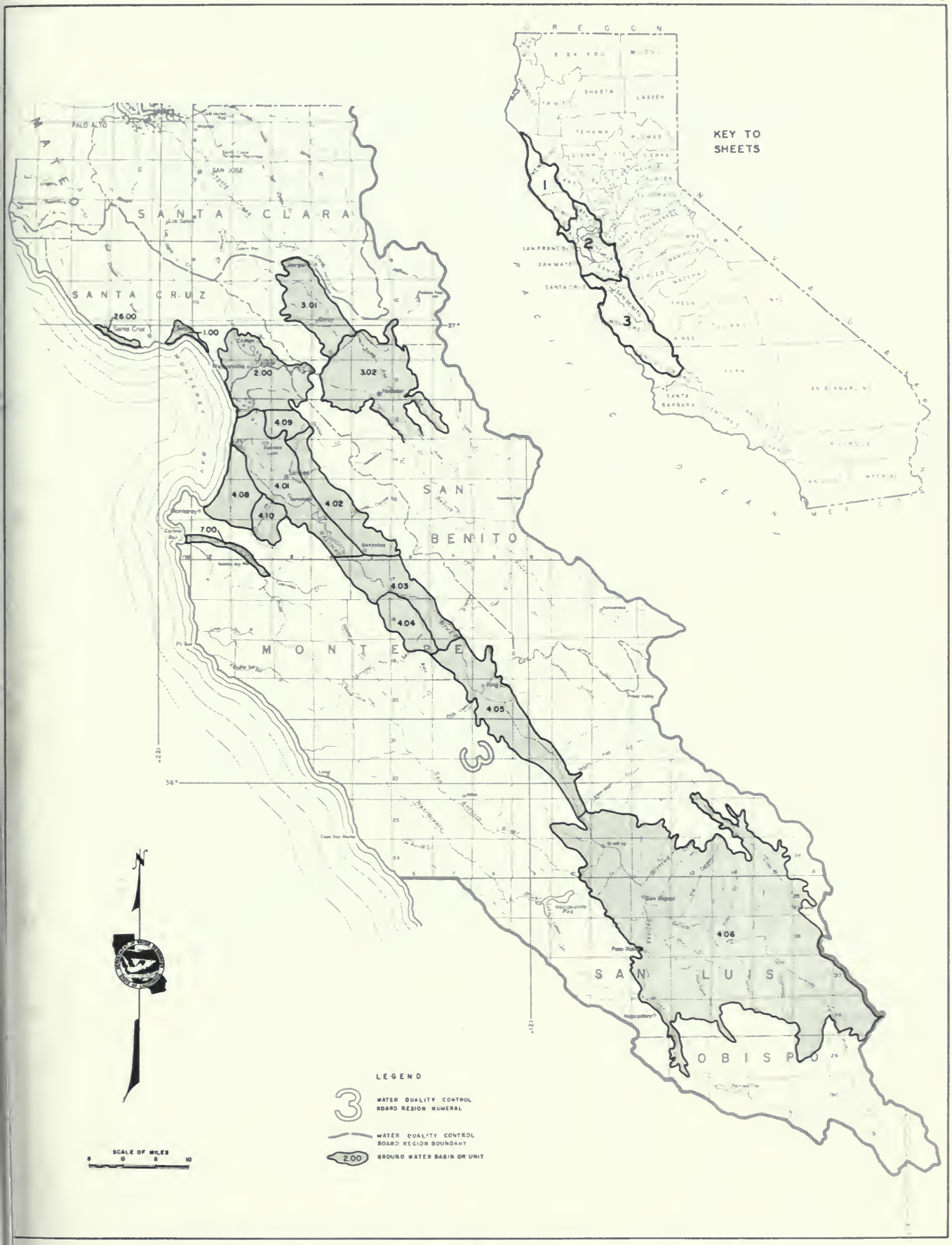

| Number | Basin | Page |
|---|---|---|
| | NORTH COASTAL REGION 1-00.00 (Figure C-1, Sheet 1) | |
| 1-14.00 | Potter Valley . . . . . | 20, 27 |
| 1-15.00 | Ukiah Valley . . . . . | 20, 27 |
| 1-16.00 | Sanel Valley . . . . . | 20, 27 |
| 1-17.00 | Alexander Valley . . . . . | 20, 27 |
| 1-18.00 | Santa Rosa Valley | |
| 1-18.01 | Santa Rosa Area . . . . . | 20, 27 |
| 1-18.02 | Healdsburg Area . . . . . | 20, 27 |
| 1-19.00 | Anderson Valley . . . . . | |
| 1-20.00 | Point Arena . . . . . | |
| 1-21.00 | Fort Bragg Terrace . . . . . | |
| 1-98.00 | Lower Russian River Valley . . . . . | |
| | SAN FRANCISCO BAY REGION 2-00.00 (Figure C-1, Sheet 2) | |
| 2-01.00 | Petaluma Valley . . . . . | 20, 28 |
| 2-02.00 | Napa-Sonoma Valley | |
| 2-02.01 | Napa Valley . . . . . | 20, 28 |
| 2-02.02 | Sonoma Valley . . . . . | 20, 29 |
| 2-03.00 | Suisun-Fairfield Valley . . . . . | 20, 29 |
| 2-04.00 | Pittsburg Plain . . . . . | 20, 30 |
| 2-05.00 | Clayton Valley . . . . . | |
| 2-06.00 | Ygnacio Valley . . . . . | 20, 30 |
| 2-09.00 | Santa Clara Valley | |
| 2-09.01 | East Bay Area . . . . . | 20, 30 |
| 2-09.02 | South Bay Area . . . . . | 20, 31 |
| 2-10.00 | Livermore Valley . . . . . | 20, 32 |
| 2-22.00 | Half Moon Bay Terrace . . . . . | |
| 2-24.00 | San Gregorio Valley . . . . . | |
| 2-26.00 | Pescadero Valley . . . . . | |
| | CENTRAL COASTAL REGION 3-00.00 (Figure C-1, Sheet 3) | |
| 3-01.00 | Soquel Valley . . . . . | |
| 3-02.00 | Pajaro Valley . . . . . | 20, 34 |
| 3-03.00 | Gilroy-Hollister Valley | |
| 3-03.01 | South Santa Clara County . . . . . | 20, 34 |
| 3-03.02 | San Benito County . . . . . | 20, 34 |
| 3-04.00 | Salinas Valley | |
| 3-04.01 | Pressure Area . . . . . | 20, 34 |
| 3-04.02 | East Side Area . . . . . | 20, 35 |
| 3-04.03 | Forebay Area . . . . . | 20 |
| 3-04.04 | Arroyo Seco Cone . . . . . | 20, 35 |
| 3-04.05 | Upper Valley Area . . . . . | 20, 35 |
| 3-04.06 | Paso Robles Basin . . . . . | 20, 35 |
| 3-04.08 | Seaside Area . . . . . | 20, 36 |
| 3-04.09 | Langley Area . . . . . | 20 |
| 3-04.10 | Corral De Tierra Area . . . . . | 20 |
| 3-07.00 | Carmel Valley . . . . . | 20, 36 |
| 3-26.00 | West Santa Cruz Terrace . . . . . | |




GROUND WATER BASINS IN THE CENTRAL COASTAL AREA

FIGURE C-1 Sheet 2 of 3

GROUND WATER BASINS IN THE CENTRAL COASTAL AREA




GROUND WATER BASINS IN THE CENTRAL COASTAL AREA

TABLE C-1

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

| Ground Water Basin or Area | | Average Change Spring 1970 to Spring 1971 in Feet | Measuring Agency | Number of Wells Reported | | |
|---|---|---|---|---|---|---|
| Name | Number | | | Monthly 1970-71 | Fall 1970 | Spring 1971 |
| NORTH COASTAL REGION | | | | | | |
| Potter Valley | 1-14.00 | +0.3 | Department of Water Resources | | 2 | 2 |
| Ukiah Valley | 1-15.00 | -0.5 | Department of Water Resources | | 2 | 2 |
| Sanel Valley | 1-16.00 | -0.8 | Department of Water Resources | | 3 | 3 |
| Alexander Valley | 1-17.00 | -1.5 | Department of Water Resources | | 6 | 6 |
| Santa Rosa Valley | 1-18.00 | | | | | |
| Santa Rosa Area | 1-18.01 | -0.6 | Department of Water Resources | | 12 | 12 |
| Healdsburg Area | 1-18.02 | -0.4 | U. S. Geological Survey | 9 | | |
| SAN FRANCISCO BAY REGION | | | | | | |
| Petaluma Valley | 2-01.00 | -1.5 | Department of Water Resources | | 6 | 6 |
| Napa-Sonoma Valley | 2-02.00 | | | | | |
| Napa Valley | 2-02.01 | -0.2 | Napa County | | | 112 |
| | | | Department of Water Resources | | 5 | 5 |
| Sonoma Valley | 2-02.02 | 0.0 | Department of Water Resources | | 5 | 5 |
| Suisun-Fairfield Valley | 2-03.00 | -0.8 | Solano County | | 16 | 15 |
| | | | Department of Water Resources | 7 | | |
| Pittsburg Plain | 2-04.00 | -0.2 | Department of Water Resources | | 6 | 6 |
| Ygnacio Valley | 2-06.00 | -0.4 | Department of Water Resources | | 5 | 5 |
| Santa Clara Valley | 2-09.00 | | | | | |
| East Bay Area | 2-09.01 | +0.3 | Alameda County FC & WCD | 3 | 6 | 6 |
| | | | Alameda County Water District | 2 | 3 | 3 |
| South Bay Area | 2-09.02 | +3.7 | Santa Clara Valley WCD | 16 | | |
| Livermore Valley | 2-10.00 | +2.5 | Alameda County FC & WCD | 8 | 59 | 58 |
| CENTRAL COASTAL REGION | | | | | | |
| Pajaro Valley | 3-02.00 | -1.2* | Monterey County FC & WCD | 3 | 2 | |
| | | | Department of Water Resources | | 5 | 5 |
| Gilroy-Hollister Valley | 3-03.00 | -7.9 | | | | |
| South Santa Clara County | 3-03.01 | -9.2 | Santa Clara Valley WCD | | 7 | 7 |
| | | | Department of Water Resources | | 7 | 7 |
| San Benito County | 3-03.02 | -0.1 | San Benito County | | | 2 |
| | | | Department of Water Resources | | 5 | 5 |
| Salinas Valley | 3-04.00 | +0.1* | | | | |
| Pressure Area | 3-04.01 | +0.8* | Monterey County FC & WCD | 3 | 4 | |
| East Side Area | 3-04.02 | +0.3* | Monterey County FC & WCD | | 1 | |
| Forebay Area | 3-04.03 | +1.7* | | | | |
| Arroyo Seco Cone | 3-04.04 | -4.6* | Monterey County FC & WCD | 2 | | |
| Upper Valley Area | 3-04.05 | -0.8* | Monterey County FC & WCD | 3 | 2 | |
| Paso Robles Basin | 3-04.06 | -3.1* | San Luis Obispo FC & WCD | 5 | 43 | 44 |
| Seaside Area | 3-04.08 | -1.6* | Post Engineer, Fort Ord | 2 | | |
| Langley Area | 3-04.09 | -0.8* | | | | |
| Corral de Tierra Area | 3-04.10 | -1.1* | | | | |
| Carmel Valley | 3-07.00 | -3.2* | Monterey County FC & WCD | 4 | | |
| TOTAL | | | | 67 | 212 | 316 |

*Average change determined from water level measurements made during fall of 1969 and fall of 1970.

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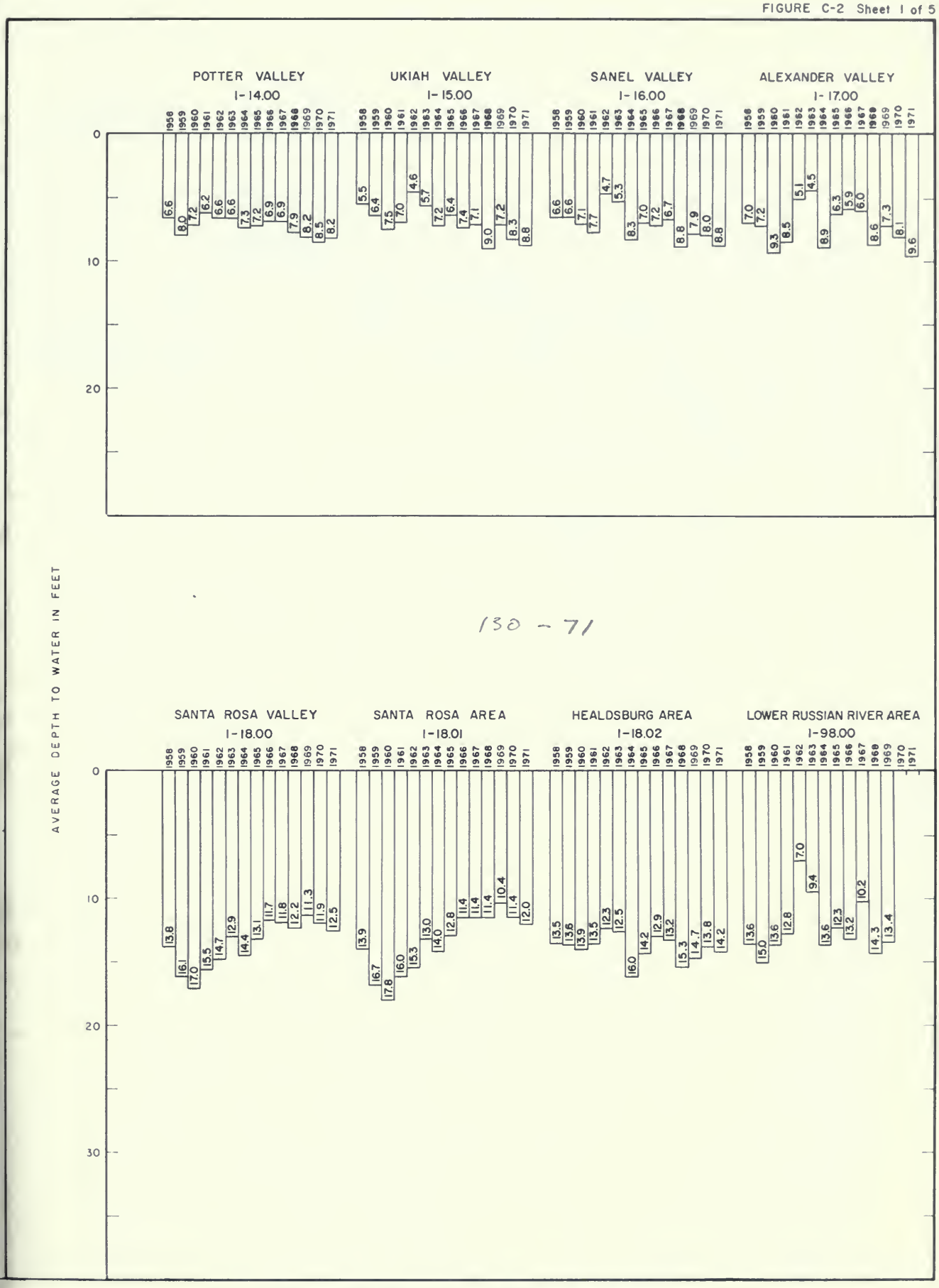


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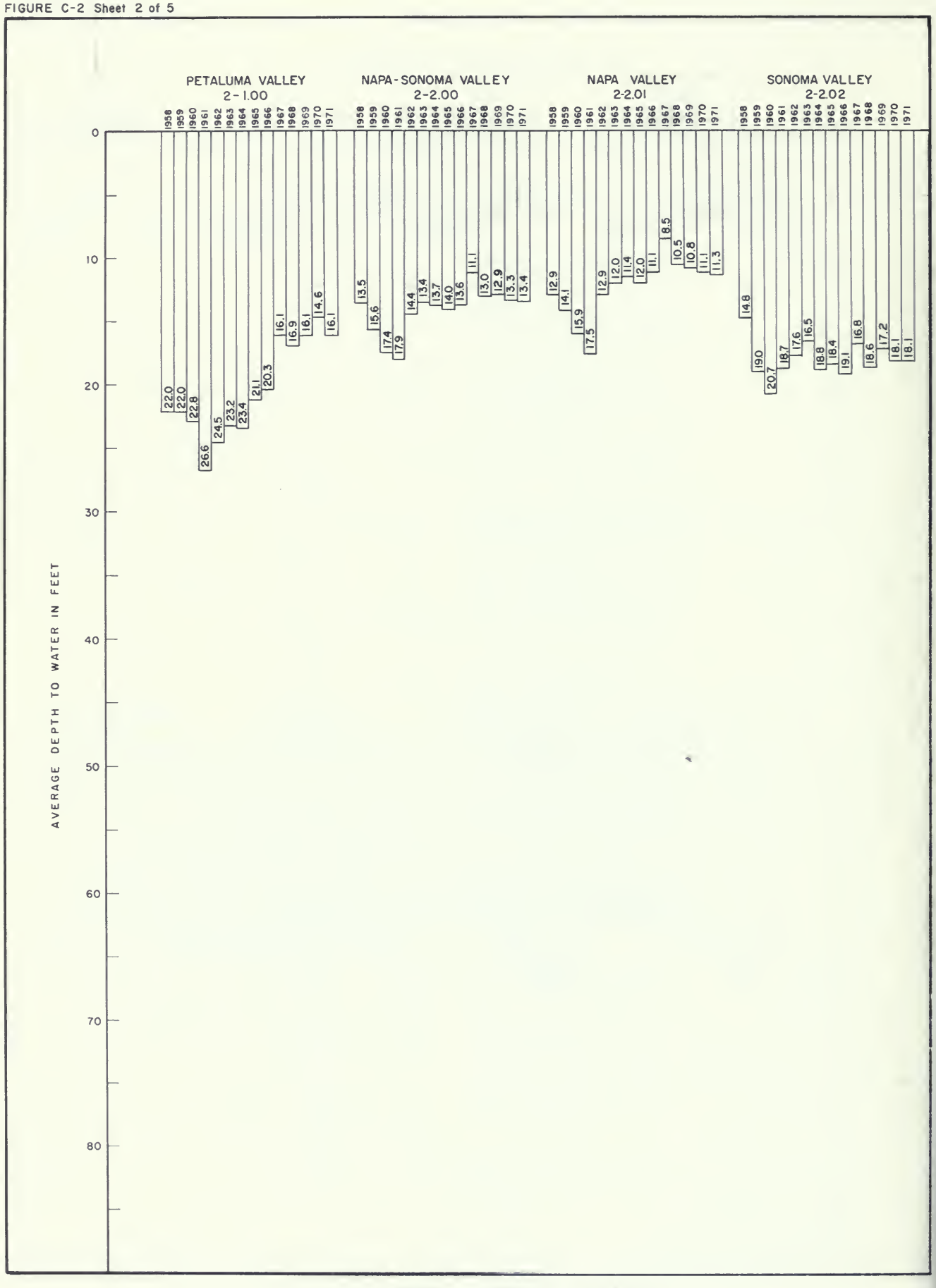
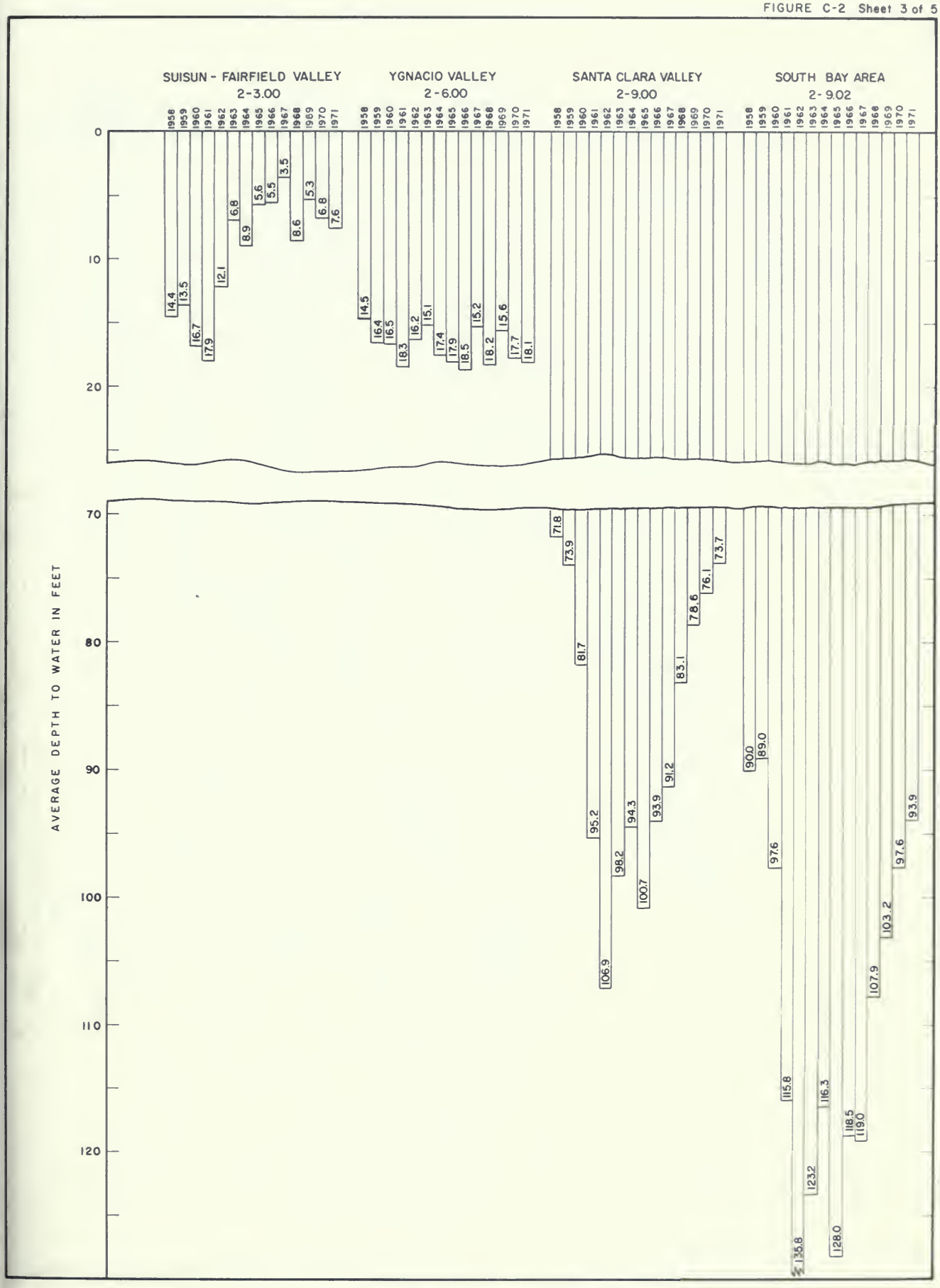
AVERAGE DEPTH TO WATER IN WELLS
SPRING 1958 TO SPRING 1971

FIGURE C-2 Sheet 2 of 5

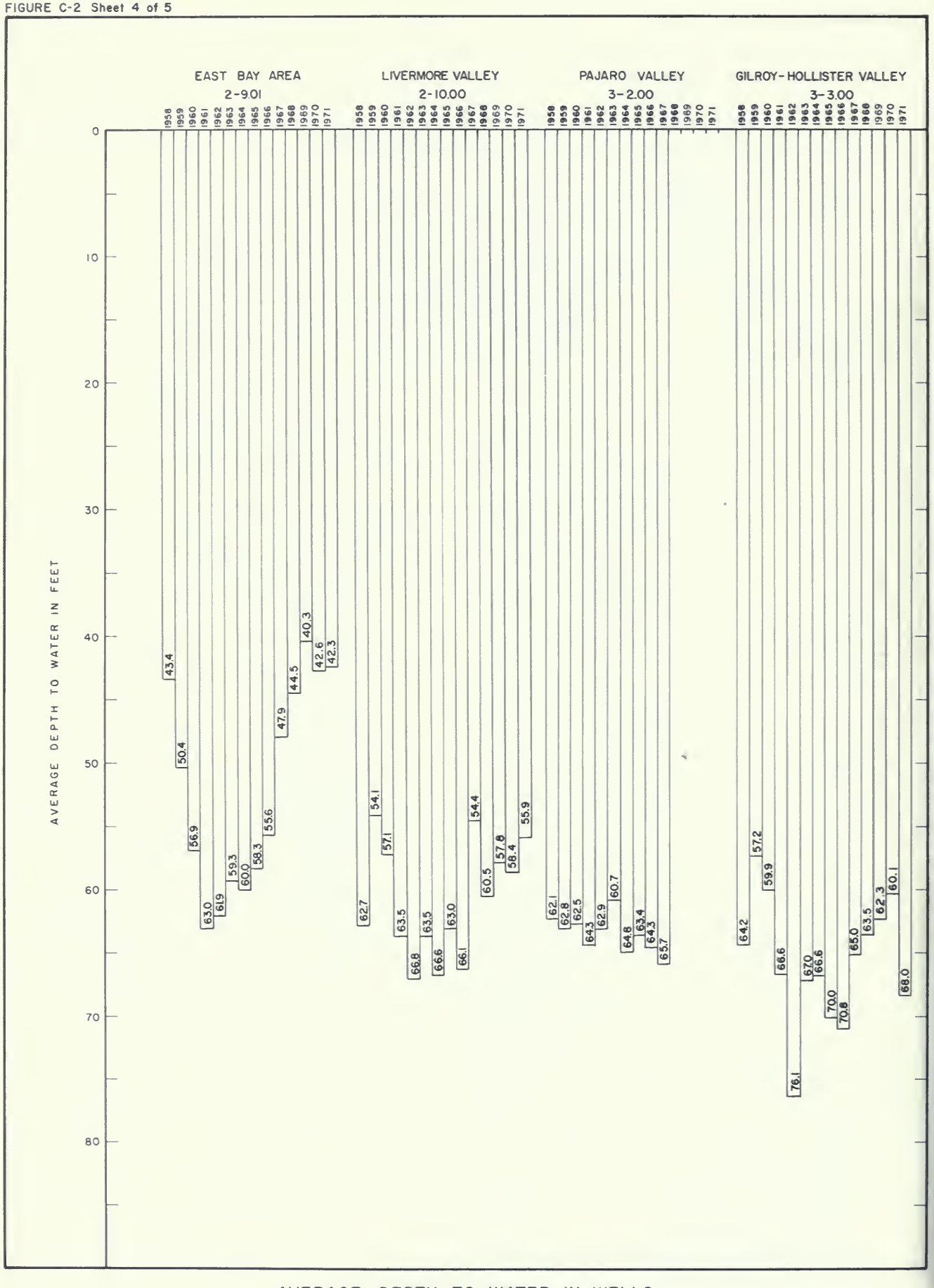



AVERAGE DEPTH TO WATER IN WELLS
SPRING 1958 TO SPRING 1971

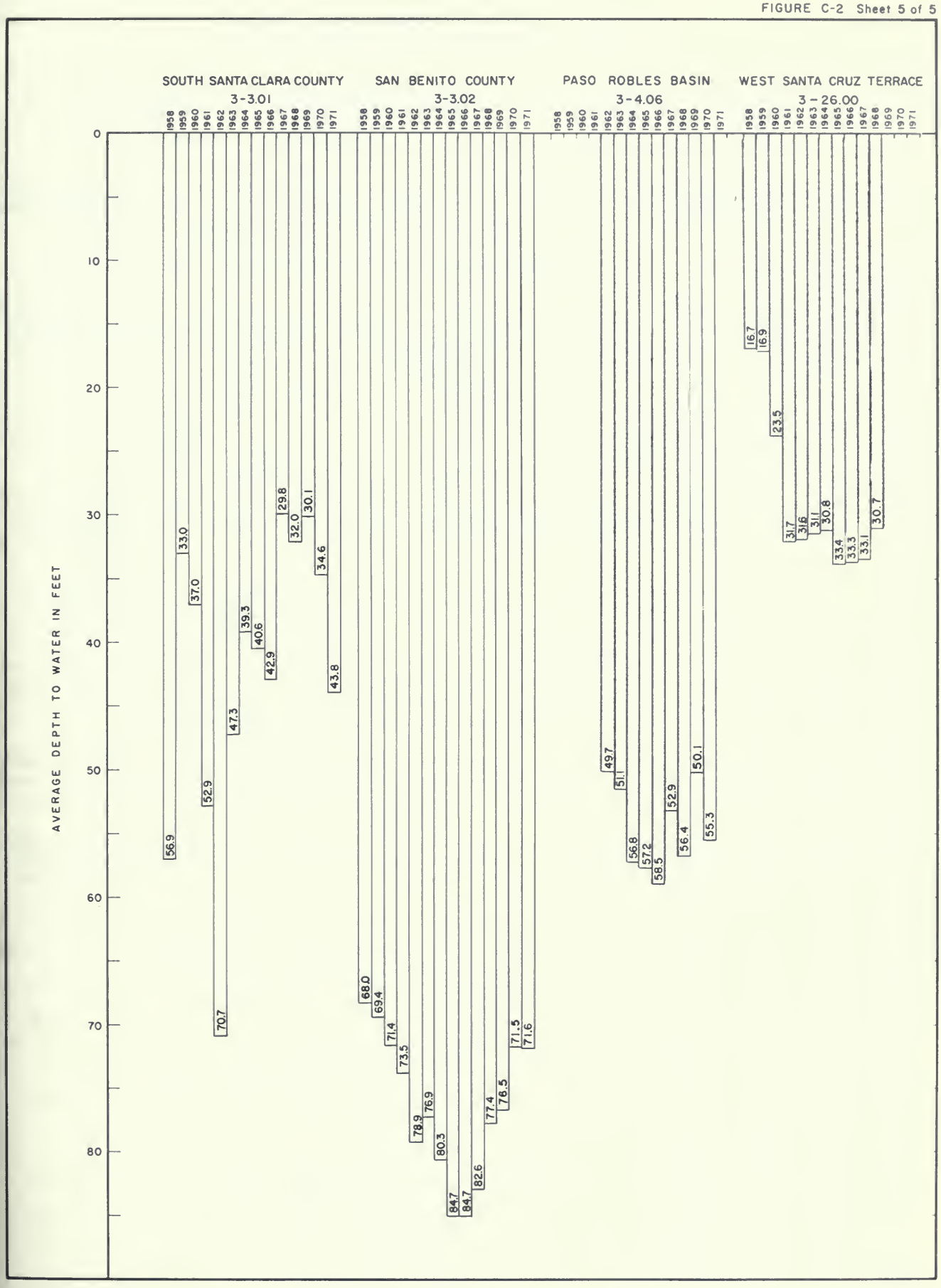



AVERAGE DEPTH TO WATER IN WELLS
SPRING 1958 TO SPRING 1971

FIGURE C-2 Sheet 4 of 5




AVERAGE DEPTH TO WATER IN WELLS
SPRING 1958 TO SPRING 1971




AVERAGE DEPTH TO WATER IN WELLS
SPRING 1958 TO SPRING 1971

TABLE C-2 GROUND WATER LEVELS AT WELLS

An explanation of the column headings and the code symbols follows:

State Well Number - Refer to the explanation under Introduction on page 15.

Ground Surface Elevation - The numbers in this column are the elevations in feet above mean sea level (USGS Datum) of the ground surface at the well. Elevations are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown is when the depth measurement given in the next column was made.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well; certain of the depth measurements in the column may be preceded by a number in parentheses to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

(1) Pumping
(2) Nearby pump operating
(3) Casing leaking or wet
(4) Pumped recently
(5) Air or pressure gage measurement
(6) Other
(7) Recharge operation at or near well
(8) Oil in casing
(9) Caved or deepened

When a measurement was attempted, but could not be obtained, then only a number in parentheses is shown in the column. The code applicable to these "no measurements" is as follows:

(1) Pumping
(2) Pump house locked
(3) Tape hung up
(4) Cannot get tape in casing
(5) Unable to locate well
(6) Well has been destroyed
(7) Special
(8) Casing leaking or wet
(9) Temporarily inaccessible
(0) Measurement discontinued

The words FLOW and DRY are shown in this column to indicate a flowing or dry well, respectively. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USGS Datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

| Code | Agency |
|---|---|
| 2100 | Monterey County Flood Control and Water Conservation District |
| 2400 | Santa Clara County Flood Control and Water District |
| 5000 | U. S. Geological Survey |
| 5005 | Post Engineer, Fort Ord |
| 5050 | Department of Water Resources |
| 5100 | Alameda County Flood Control and Water Conservation District |
| 5101 | Napa County |
| 5102 | Santa Cruz County |
| 5109 | Solano County |
| 5117 | San Luis Obispo County Flood Control and Water Conservation District |
| 5151 | San Benito County |
| 5200 | City of Gilroy |
| 5401 | Alameda County Water District |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| NORTH COASTAL REGION 1-00.00 | | | | | |
| POTTER VALLEY 1-14.00 | | | | | |
| 17N/11W-18J01M | 955.0 | 10-06-70 | 0.9 | 954.1 | 5050 |
| | | 3-11-71 | -0.3 | 955.3 | 5050 |
| 17N/11W-32J01M | 905.0 | 10-06-70 | 4.1 | 900.9 | 5050 |
| | | 3-11-71 | 2.1 | 902.9 | 5050 |
| UKIAH VALLEY 1-15.00 | | | | | |
| 15N/12W-08L01M | 640.0 | 10-06-70 | 28.1 | 611.9 | 5050 |
| | | 3-11-71 | 19.0 | 621.0 | 5050 |
| 15N/12W-35M01M | 600.0 | 10-06-70 | 7.9 | 592.1 | 5050 |
| | | 3-11-71 | 3.2 | 596.8 | 5050 |
| SANEL VALLEY 1-16.00 | | | | | |
| 13N/11W-18E01M | 490.0 | 10-07-70 (1) | 13.2 | 476.8 | 5050 |
| | | 3-11-71 | 11.5 | 478.5 | 5050 |
| 13N/11W-19P01M | 488.0 | 10-07-70 | 19.4 | 468.6 | 5050 |
| | | 3-11-71 | 10.3 | 477.7 | 5050 |
| 13N/11W-20G01M | 515.0 | 10-07-70 | 12.9 | 502.1 | 5050 |
| | | 3-11-71 | 5.0 | 510.0 | 5050 |
| ALEXANDER VALLEY 1-17.00 | | | | | |
| 10N/09W-18B01M | 230.0 | 10-07-70 | 20.6 | 209.4 | 5050 |
| | | 3-10-71 | 16.4 | 213.6 | 5050 |
| 10N/09W-26L02M | 205.0 | 10-07-70 (1) | 23.6 | 181.4 | 5050 |
| | | 3-10-71 | 3.0 | 202.0 | 5050 |
| 10N/09W-33C01M | 180.0 | 10-07-70 | 7.5 | 172.5 | 5050 |
| | | 3-10-71 | 6 2 | 173.8 | 5050 |
| 11N/10W-08P01M | 305.0 | 10-07-70 | 11.8 | 293.2 | 5050 |
| | | 3-11-71 | 10.8 | 294.2 | 5050 |
| 11N/10W-17P02M | 292.0 | 10-07-70 | 10.0 | 282.0 | 5050 |
| | | 3-11-71 | 9.5 | 282.5 | 5050 |
| 11N/10W-19F02M | 346.0 | 10-07-70 | 13.8 | 332.2 | 5050 |
| | | 3-11-71 | 5.7 | 340.3 | 5050 |
| SANTA ROSA VALLEY 1-18.00 | | | | | |
| SANTA ROSA AREA 1-18.01 | | | | | |
| 06N/08W-07P02M | 95.0 | 10-08-70 (4) | 49.0 | 46.0 | 5050 |
| | | 3-10-71 | 15.3 | 79.7 | 5050 |
| 06N/08W-13R01M | 115.0 | 10-08-70 | 30.1 | 84.9 | 5050 |
| | | 3-10-71 | 18.9 | 96.1 | 5050 |
| 06N/08W-15J03M | 95.0 | 10-08-70 | 27.9 | 67.1 | 5050 |
| | | 3-10-71 | 14.3 | 80.7 | 5050 |
| 06N/08W-15R01M | 95.0 | 10-08-70 | 34.8 | 60.2 | 5050 |
| | | 3-10-71 | 20.0 | 75.0 | 5050 |
| 07N/06W-19N01M | 465.0 | 10-08-70 | 15.9 | 449.1 | 5050 |
| | | 3-10-71 | 6.2 | 458.8 | 5050 |
| 07N/07W-06R01M | 275.0 | 10-08-70 | 13.5 | 261.5 | 5050 |
| | | 3-10-71 | 6.9 | 268.1 | 5050 |
| 07N/08W-11M01M | 160.0 | 10-08-70 | 8.6 | 151.4 | 5050 |
| | | 3-10-71 | (6) | | 5050 |
| 07N/08W-24H01M | 190.0 | 10-08-70 | (9) | | 5050 |
| | | 3-10-71 | 10.7 | 179.3 | 5050 |
| 07N/09W-01C01M | 90.0 | 10-08-70 | 23.0 | 67.0 | 5050 |
| | | 3-10-71 | 18.5 | 71.5 | 5050 |
| 07N/09W-35D02M | 135.0 | 10-08-70 | 36.0 | 99.0 | 5050 |
| | | 3-10-71 | 27.5 | 107.5 | 5050 |
| 08N/09W-36N01M | 90.0 | 10-08-70 | 10.2 | 79.8 | 5050 |
| | | 3-10-71 | 6.2 | 83.8 | 5050 |
| SANTA ROSA AREA 1-18.01 (Continued) | | | | | |
| 08N/09W-36P01M | 90.0 | 10- 8-70 | 55.3 | 34.7 | 5050 |
| | | 3-10-71 | 50.9 | 39.1 | 5050 |
| HEALDSBURG AREA 1-18.02 | | | | | |
| 08N/09W-03P01M | 77.0 | 10-21-70 | 8.7 | 68.3 | 5000 |
| | | 11-16-70 | 4.9 | 72.1 | 5000 |
| | | 12-15-70 | 3.7 | 73.3 | 5000 |
| | | 1-15-71 | 4.1 | 72.9 | 5000 |
| | | 2-16-71 | 3.3 | 73.7 | 5000 |
| | | 3-15-71 | 5.5 | 71.5 | 5000 |
| | | 4-14-71 | 5.5 | 71.5 | 5000 |
| | | 5-13-71 | 6.4 | 70.6 | 5000 |
| | | 9-10-71 | 8.6 | 68.4 | 5000 |
| 08N/09W-22L01M | 67.0 | 10-21-70 | 31.9 | 32.1 | 5000 |
| | | 11-16-70 | 30.6 | 36.4 | 5000 |
| | | 12-15-70 | 27.6 | 39.4 | 5000 |
| | | 1-15-71 | 28.3 | 38.7 | 5000 |
| | | 2-16-71 (1) | 30.2 | 36.8 | 5000 |
| | | 3-15-71 | 27.9 | 39.1 | 5000 |
| | | 4-14-71 (1) | 29.6 | 37.4 | 5000 |
| | | 5-13-71 (1) | 29.5 | 37.5 | 5000 |
| | | 9-10-71 | 31.2 | 35.8 | 5000 |
| 09N/09W-20E02M | 100.0 | 10-21-70 | 18.2 | 81.8 | 5000 |
| | | 11-16-70 | 16.9 | 83.1 | 5000 |
| | | 12-15-70 (4) | 16.6 | 83.4 | 5000 |
| | | 1-15-71 | 15.5 | 84.5 | 5000 |
| | | 2-16-71 | 17.4 | 82.6 | 5000 |
| | | 3-15-71 | 15.6 | 84.4 | 5000 |
| | | 4-14-71 | 16.9 | 83.1 | 5000 |
| | | 5-13-71 | 17.6 | 82.4 | 5000 |
| | | 9-10-71 | 18.6 | 81.4 | 5000 |
| 09N/09W-20K04M | 97.0 | 10-21-70 | 7.2 | 89.8 | 5000 |
| | | 11-16-70 | 6.1 | 90.9 | 5000 |
| | | 12-15-70 | 2.8 | 94.2 | 5000 |
| | | 1-15-71 | 1.5 | 95.5 | 5000 |
| | | 2-16-71 | 3.0 | 94.0 | 5000 |
| | | 3-15-71 | 2.5 | 94.5 | 5000 |
| | | 4-14-71 | 2.8 | 94.2 | 5000 |
| | | 5-13-71 | 4.0 | 93.0 | 5000 |
| | | 9-10-71 | 7.5 | 89.5 | 5000 |
| 09N/09W-28N01M | 90.0 | 10-21-70 | 25.9 | 64.1 | 5000 |
| | | 11-16-70 | 18.6 | 71.4 | 5000 |
| | | 12-15-70 | 17.2 | 72.8 | 5000 |
| | | 1-15-71 | 16.7 | 73.3 | 5000 |
| | | 2-16-71 | 18.2 | 71.8 | 5000 |
| | | 3-15-71 | 16.9 | 73.1 | 5000 |
| | | 4-14-71 | 18.0 | 72.0 | 5000 |
| | | 5-13-71 | 18.5 | 71.5 | 5000 |
| | | 9-10-71 (4) | 25.5 | 64.5 | 5000 |
| 09N/10W-12C01M | 120.0 | 10-21-70 | 15.0 | 105.0 | 5000 |
| | | 11-16-70 | 14.3 | 105.7 | 5000 |
| | | 12-15-70 | 13.5 | 106.5 | 5000 |
| | | 1-15-71 | 13.2 | 106.8 | 5000 |
| | | 2-16-71 | 14.4 | 105.6 | 5000 |
| | | 3-15-71 | 12.9 | 107.1 | 5000 |
| | | 4-14-71 | 13.7 | 106.3 | 5000 |
| | | 5-13-71 | 14.7 | 105.3 | 5000 |
| | | 9-10-71 | 15.9 | 104.1 | 5000 |
| 10N/10W-22D01M | 180.0 | 10-21-70 | 11.6 | 168.4 | 5000 |
| | | 11-16-70 | 10.7 | 169.3 | 5000 |
| | | 12-15-70 (1) | 8.7 | 171.3 | 5000 |
| | | 1-15-71 | 7.4 | 172.6 | 5000 |
| | | 2-16-71 | 10.0 | 170.0 | 5000 |
| | | 3-15-71 | 8.4 | 171.6 | 5000 |
| | | 4-14-71 (2) | 9.4 | 170.6 | 5000 |
| | | 5-13-71 (4) | 10.3 | 169.7 | 5000 |
| | | 9-10-71 | 11.8 | 168.2 | 5000 |
| 10N/10W-26M01M | 161.0 | 10-21-70 | 13.9 | 147.1 | 5000 |
| | | 11-16-70 | 10.7 | 150.3 | 5000 |
| | | 12-15-70 | 9.2 | 151.8 | 5000 |
| | | 1-15-71 | 9.0 | 152.0 | 5000 |
| | | 2-16-71 | 10.6 | 150.4 | 5000 |
| | | 3-15-71 | 9.2 | 151.8 | 5000 |
| | | 4-14-71 | 10.1 | 150.9 | 5000 |
| | | 5-13-71 | 10.8 | 150.2 | 5000 |
| | | 9-10-71 | 13.2 | 147.8 | 5000 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| HEALDSBURG AREA 1-18.02 (Continued) | | | | | |
| 10N/10W-35Q01M | 142.0 | 10-21-70 | 6.1 | 135.9 | 5000 |
| | | 11-16-70 | 5.9 | 136.1 | 5000 |
| | | 12-15-70 | 1.0 | 141.0 | 5000 |
| | | 1-15-71 | 0.7 | 141.3 | 5000 |
| | | 2-16-71 | 1.3 | 140.7 | 5000 |
| | | 3-15-71 | 1.1 | 140.9 | 5000 |
| | | 4-14-71 | 1.0 | 141.0 | 5000 |
| | | 5-13-71 | 2.0 | 142.0 | 5000 |
| | | 9-10-71 | 5.5 | 136.5 | 5000 |
| SAN FRANCISCO BAY REGION 2-00.00 | | | | | |
| PETALUMA VALLEY 2-01.00 | | | | | |
| 03N/06W-01Q01M | 2.0 | 10-09-70 | -0.3 | 2.3 | 5050 |
| | | 3-09-71 | -0.2 | 2.2 | 5050 |
| 05N/07W-19N01M | 45.0 | 10-09-70 | 13.3 | 31.7 | 5050 |
| | | 3-09-71 | 3.9 | 41.1 | 5050 |
| 05N/07W-20B02M | 41.0 | 10-09-70 | 59.8 | -18.8 | 5050 |
| | | 3-09-71 | 45.8 | -4.8 | 5050 |
| 05N/07W-21H01M | 65.0 | 10-09-70 | 38.9 | 26.1 | 5050 |
| | | 3-09-71 | 24.3 | 40.7 | 5050 |
| 05N/07W-26R01M | 53.6 | 10-09-70 | 26.2 | 27.4 | 5050 |
| | | 3-09-71 | 17.7 | 35.9 | 5050 |
| 05N/07W-35K01M | 18.8 | 10-09-70 | (2) | | 5050 |
| | | 3-09-71 | 7.6 | 11.2 | 5050 |
| NAPA-SONOMA VALLEY 2-02.00 | | | | | |
| NAPA VALLEY 2-02.01 | | | | | |
| 04N/04W-02L01M | 25.0 | 3-24-71 | 4.2 | 20.8 | 5101 |
| 04N/04W-04C01M | 12.0 | 3-23-71 | 9.7 | 2.3 | 5101 |
| 04N/04W-05B01M | 31.0 | 3-23-71 | 9.4 | 21.6 | 5101 |
| 04N/04W-05D02M | 22.0 | 3-23-71 | 5.2 | 16.8 | 5101 |
| 04N/04W-12M01M | 48.0 | 3-24-71 | 12.6 | 35.4 | 5101 |
| 04N/04W-14C02M | 34.0 | 3-17-71 | 32.0 | 2.0 | 5101 |
| 04N/04W-25K01M | 37.0 | 3-17-71 | 2.0 | 35.0 | 5101 |
| 05N/03W-05M01M | 255.0 | 3-26-71 | 94.5 | 160.5 | 5101 |
| 05N/04W-03G01M | 18.0 | 3-22-71 | 4.7 | 13.3 | 5101 |
| 05N/04W-04G01M | 63.5 | 3-22-71 | 36.3 | 27.2 | 5101 |
| 05N/04W-04Q01M | 58.0 | 3-22-71 | 11.6 | 46.4 | 5101 |
| 05N/04W-05P01M | 121.0 | 3-23-71 | 3.3 | 117.7 | 5101 |
| 05N/04W-05P02M | 122.0 | 3-22-71 | 12.7 | 109.3 | 5101 |
| 05N/04W-10F01M | 30.0 | 3-23-71 | 2.9 | 27.1 | 5101 |
| 05N/04W-11F03M | 16.0 | 3-23-71 | 8.0 | 8.0 | 5101 |
| 05N/04W-11M01M | 13.0 | 10-05-70 | 8.5 | 4.5 | 5050 |
| | | 3-09-71 | 7.5 | 5.5 | 5050 |
| 05N/04W-12F01M | 130.0 | 3-23-71 | 30.5 | 99.5 | 5101 |
| 05N/04W-12H01M | 121.0 | 3-22-71 | 46.0 | 75.0 | 5101 |
| 05N/04W-13H01M | 132.0 | 3-24-71 | 6.3 | 125.7 | 5101 |
| 05N/04W-13H02M | 120.0 | 3-24-71 | 12.0 | 108.0 | 5101 |
| 05N/04W-14C01M | 17.0 | 3-24-71 | 12.3 | 4.7 | 5101 |
| 05N/04W-15C02M | 22.0 | 3-24-71 | 18.5 | 3.5 | 5101 |
| 05N/04W-15E01M | 22.0 | 3-24-71 | 14.6 | 7.4 | 5101 |
| 05N/04W-19R02M | 110.0 | 3-24-71 | 13.7 | 96.3 | 5101 |
| NAPA VALLEY 2-02.01 (Continued) | | | | | |
| 05N/04W-20R02M | 50.0 | 3-26-71 | 1.2 | 48.8 | 5101 |
| 05N/04W-21B01M | 75.0 | 3-26-71 | 16.3 | 58.7 | 5101 |
| 05N/04W-22M01M | 12.0 | 3-26-71 | -0.8 | 12.8 | 5101 |
| 05N/04W-28R01M | 37.0 | 3-26-71 | 29.9 | 7.1 | 5101 |
| 05N/04W-29H01M | 77.0 | 3-26-71 | 44.2 | 32.8 | 5101 |
| 06N/03W-31B01M | 240.0 | 3-26-71 | 91.0 | 149.0 | 5101 |
| 06N/03W-31F01M | 145.0 | 3-26-71 | 42.0 | 103.0 | 5101 |
| 06N/03W-31H01M | 180.0 | 3-25-71 | 78.5 | 101.5 | 5101 |
| 06N/03W-31N01M | 170.0 | 3-25-71 | 56.5 | 113.5 | 5101 |
| 06N/03W-31N02M | 167.0 | 3-25-71 | 30.0 | 137.0 | 5101 |
| 06N/04W-05R01M | 67.0 | 3-25-71 | 4.0 | 63.0 | 5101 |
| 06N/04W-06L02M | 80.0 | 3-25-71 | 7.5 | 72.5 | 5101 |
| 06N/04W-06N01M | 75.0 | 3-25-71 | 16.0 | 59.0 | 5101 |
| 06N/04W-06P01M | 75.0 | 3-25-71 | 8.0 | 67.0 | 5101 |
| 06N/04W-07N01M | 135.0 | 3-25-71 | 18.5 | 116.5 | 5101 |
| 06N/04W-08E01M | 70.0 | 3-24-71 | 7.0 | 63.0 | 5101 |
| 06N/04W-15Q01M | 67.0 | 3-25-71 | 43.7 | 23.3 | 5101 |
| 06N/04W-16P01M | 62.0 | 3-26-71 | 7.9 | 54.1 | 5101 |
| 06N/04W-17A01M | 67.0 | 10-05-70 | 13.5 | 53.5 | 5050 |
| | | 3-09-71 | 6.1 | 60.9 | 5050 |
| 06N/04W-18A02M | 85.0 | 3-18-71 | 18.0 | 67.0 | 5101 |
| 06N/04W-19B01M | 125.0 | 3-18-71 | 17.5 | 107.5 | 5101 |
| 06N/04W-21G01M | 61.0 | 3-18-71 | 1.0 | 60.0 | 5101 |
| 06N/04W-22P01M | 53.0 | 3-18-71 | 9.5 | 43.5 | 5101 |
| 06N/04W-23J01M | 87.0 | 3-18-71 | 37.5 | 49.5 | 5101 |
| 06N/04W-26N01M | 32.0 | 3-18-71 | 11.7 | 20.3 | 5101 |
| 06N/04W-27L02M | 50.0 | 10-05-70 | 48.9 | 1.1 | 5050 |
| | | 3-09-71 | 24.6 | 25.4 | 5050 |
| 06N/04W-27N01M | 50.0 | 3-18-71 | 14.5 | 35.5 | 5101 |
| 06N/04W-28K01M | 62.0 | 3-19-71 | 8.1 | 53.9 | 5101 |
| 06N/04W-29B01M | 92.0 | 3-19-71 | 7.3 | 84.7 | 5101 |
| 06N/04W-30C01M | 149.0 | 3-19-71 | 4.9 | 144.1 | 5101 |
| 06N/04W-32J06M | 94.0 | 3-19-71 | 5.0 | 89.0 | 5101 |
| 06N/04W-32L02M | 107.0 | 3-19-71 | 22.5 | 84.5 | 5101 |
| 06N/04W-35G03M | 38.0 | 3-19-71 | 38.9 | -0.9 | 5101 |
| 06N/04W-36H01M | 105.0 | 3-22-71 | 24.3 | 80.7 | 5101 |
| 06N/05W-12R01M | 180.0 | 3-22-71 | 13.5 | 166.5 | 5101 |
| 07N/04W-30L01M | 112.0 | 3-17-71 | 3.5 | 108.5 | 5101 |
| 07N/04W-30M01M | 114.0 | 3-17-71 | 0.8 | 113.2 | 5101 |
| 07N/04W-32B02M | 180.0 | 3-17-71 | 3.0 | 177.0 | 5101 |
| 07N/05W-03G01M | 188.0 | 3-22-71 | 35.0 | 153.0 | 5101 |
| 07N/05W-03G02M | 188.0 | 3-31-71 | 13.4 | 174.6 | 5101 |
| 07N/05W-04R02M | 172.0 | 3-23-71 | 6.8 | 165.2 | 5101 |
| 07N/05W-05A01M | 182.0 | 3-22-71 | 2.0 | 180.0 | 5101 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| NAPA VALLEY 2-02.01 (Continued) | | | | | |
| 07N/05W-06F01M | 245.0 | 3-22-71 | 16.0 | 229.0 | 5101 |
| 07N/05W-06J01M | 215.0 | 3-22-71 | 13.5 | 201.5 | 5101 |
| 07N/05W-08A01M | 175.0 | 3-23-71 | 10.5 | 164.5 | 5101 |
| 07N/05W-08M01M | 190.0 | 3-23-71 | 20.5 | 169.5 | 5101 |
| 07N/05W-09Q01M | 155.0 | 3-22-71 | 9.9 | 145.1 | 5101 |
| 07N/05W-09Q02M | 155.0 | 10-05-71 | 18.1 | 136.9 | 5050 |
| | | 3-09-71 | 12.0 | 143.0 | 5050 |
| 07N/05W-09Q03M | 155.0 | 3-22-71 | 4.3 | 150.7 | 5101 |
| 07N/05W-10C01M | 162.2 | 3-22-71 | 15.0 | 147.2 | 5101 |
| 07N/05W-14B02M | 139.0 | 3-24-71 | 3.6 | 135.4 | 5101 |
| 07N/05W-14J01M | 140.0 | 3-24-71 | 3.7 | 136.3 | 5101 |
| 07N/05W-15A01M | 143.0 | 3-24-71 | 8.4 | 134.6 | 5101 |
| 07N/05W-15F01M | 141.0 | 3-24-71 | 1.5 | 139.5 | 5101 |
| 07N/05W-16L01M | 171.0 | 3-24-71 | 3.2 | 167.8 | 5101 |
| 07N/05W-16N02M | 193.0 | 3-24-71 | 12.7 | 180.3 | 5101 |
| 07N/05W-17B02M | 161.0 | 3-17-71 | -0.1 | 161.1 | 5101 |
| 07N/05W-21G01M | 152.0 | 3-17-71 | -1.0 | 153.0 | 5101 |
| 07N/05W-22E03M | 140.0 | 3-29-71 | 3.0 | 137.0 | 5101 |
| 07N/05W-22H01M | 133.0 | 3-27-71 | 10.5 | 122.5 | 5101 |
| 07N/05W-23D02M | 127.0 | 3-27-71 | 6.5 | 120.5 | 5101 |
| 07N/05W-23Q01M | 115.0 | 3-27-71 | 3.9 | 111.1 | 5101 |
| 07N/05W-24P01M | 127.0 | 3-27-71 | 1.2 | 125.8 | 5101 |
| 07N/05W-25A01M | 163.0 | 3-27-71 | 8.0 | 155.0 | 5101 |
| 07N/05W-26D02M | 127.0 | 3-25-71 | 5.0 | 122.0 | 5101 |
| 07N/05W-34C02M | 190.0 | 3-25-71 | 3.4 | 186.6 | 5101 |
| 07N/05W-35F02M | 175.0 | 3-30-71 | 3.2 | 171.8 | 5101 |
| 07N/05W-36N01M | 141.0 | 3-30-71 | 4.5 | 136.5 | 5101 |
| 07N/06W-01A01M | 264.0 | 3-30-71 | 12.3 | 251.7 | 5101 |
| 08N/05W-30P01M | 220.0 | 3-17-71 | 0.7 | 219.3 | 5101 |
| 08N/05W-31H01M | 212.0 | 3-22-71 | 9.2 | 202.8 | 5101 |
| 08N/05W-31P02M | 237.0 | 3-25-71 | (7) | | 5101 |
| 08N/05W-31R01M | 210.0 | 3-17-71 | 6.8 | 203.2 | 5101 |
| 08N/05W-32K04M | 192.0 | 3-25-71 | 6.0 | 186.0 | 5101 |
| 08N/06W-03M01M | 330.0 | 3-17-71 | 33.0 | 297.0 | 5101 |
| 08N/06W-04F01M | 330.0 | 3-23-71 | 65.0 | 265.0 | 5101 |
| 08N/06W-06L04M | 335.0 | 3-23-71 | 8.0 | 327.0 | 5101 |
| 08N/06W-09D02M | 290.0 | 3-24-71 | 12.0 | 278.0 | 5101 |
| 08N/06W-09H01M | 290.0 | 3-23-71 | 1.5 | 288.5 | 5101 |
| 08N/06W-09H02M | 291.5 | 3-30-71 | 2.5 | 289.0 | 5101 |
| 08N/06W-10Q01M | 290.0 | 10-05-70 | 7.2 | 282.8 | 5050 |
| | | 3-09-71 | 2.4 | 287.6 | 5050 |
| 08N/06W-14N01M | 285.0 | 3-31-71 | 10.6 | 274.4 | 5101 |
| 08N/06W-14Q01M | 250.0 | 3-23-71 | 7.5 | 242.5 | 5101 |
| 08N/06W-23M01M | 285.0 | 3-17-71 | 3.4 | 281.6 | 5101 |
| 08N/06W-24B01M | 300.0 | 3-17-71 | 9.5 | 290.5 | 5101 |
| NAPA VALLEY 2-02.01 (Continued) | | | | | |
| 08N/06W-25G02M | 230.0 | 3-29-71 | 10.6 | 219.4 | 5101 |
| 09N/06W-31Q01M | 340.0 | 3-29-71 | 1.0 | 339.0 | 5101 |
| 09N/06W-32M01M | 360.0 | 3-29-71 | 9.0 | 351.0 | 5101 |
| 09N/07W-24L01M | 460.0 | 3-17-71 | 7.4 | 452.6 | 5101 |
| 09N/07W-25N01M | 380.0 | 3-31-71 | 3.0 | 377.0 | 5101 |
| 09N/07W-25N02M | 380.0 | 3-31-71 | 3.5 | 376.5 | 5101 |
| 09N/07W-26P01M | 400.0 | 3-25-71 | 1.0 | 399.0 | 5101 |
| 09N/07W-35K01M | 399.0 | 3-17-71 | 1.0 | 398.0 | 5101 |
| SONOMA VALLEY 2-02.02 | | | | | |
| 05N/05W-17C01M | 85.0 | 10-09-70 | 25.1 | 59.9 | 5050 |
| | | 3-09-71 | 11.5 | 73.5 | 5050 |
| 05N/05W-18R01M | 43.0 | 10-09-70 | 13.5 | 29.5 | 5050 |
| | | 3-09-71 | 3.1 | 39.9 | 5050 |
| 05N/05W-28N01M | 11.0 | 10-09-70 (1) | 18.6 | -7.6 | 5050 |
| | | 3-09-71 (4) | 8.5 | 2.5 | 5050 |
| 05N/05W-29N01M | 16.0 | 10-09-70 | (1) | | 5050 |
| | | 3-09-71 | (8) | | 5050 |
| 05N/05W-30J03M | 16.0 | 10-09-70 | 14.8 | 1.2 | 5050 |
| | | 3-09-71 | 6.9 | 9.1 | 5050 |
| SUISUN-FAIRFIELD VALLEY 2-03.00 | | | | | |
| 04N/02W-04D02M | 26.0 | 10-26-70 | 10.1 | 15.9 | 5109 |
| | | 3-17-71 | 8.4 | 17.6 | 5109 |
| 04N/02W-06A01M | 35.0 | 10-16-70 | 13.7 | 21.3 | 5050 |
| | | 10-26-70 | 11.7 | 23.3 | 5109 |
| | | 11-16-70 | 14.7 | 20.3 | 5050 |
| | | 12-15-70 | 13.1 | 21.9 | 5050 |
| | | 1-15-71 | (9) | | 5050 |
| | | 3-02-71 | 12.8 | 22.2 | 5050 |
| | | 3-18-71 | 12.5 | 22.5 | 5109 |
| | | 3-30-71 | 12.0 | 23.0 | 5050 |
| | | 4-28-71 | 12.5 | 22.5 | 5050 |
| | | 5-25-71 | 12.9 | 22.1 | 5050 |
| | | 6-24-71 | 13.1 | 21.9 | 5050 |
| | | 7-30-71 | 13.3 | 21.7 | 5050 |
| | | 8-31-71 | 13.5 | 21.5 | 5050 |
| | | 9-28-71 | (9) | | 5050 |
| 04N/02W-07D01M | 17.0 | 10-26-70 | 9.7 | 7.3 | 5109 |
| | | 3-17-71 | 2.3 | 14.7 | 5109 |
| 04N/02W-09A01M | 7.0 | 10-16-70 | 0.7 | 6.3 | 5050 |
| | | 10-26-70 | FLOW | | 5109 |
| | | 11-16-70 | 0.3 | 6.7 | 5050 |
| | | 12-15-70 | FLOW | | 5050 |
| | | 1-15-71 | FLOW | | 5050 |
| | | 3-02-71 | FLOW | | 5050 |
| | | 3-17-71 | FLOW | | 5109 |
| | | 3-30-71 | FLOW | | 5050 |
| | | 4-28-71 | -0.5 | 7.5 | 5050 |
| | | 5-26-71 | -0.2 | 7.2 | 5050 |
| | | 6-24-71 | 0.3 | 6.7 | 5050 |
| | | 7-30-71 | 0.5 | 6.5 | 5050 |
| | | 8-31-71 | 0.5 | 6.5 | 5050 |
| | | 9-28-71 | 0.6 | 6.4 | 5050 |
| 04N/02W-09H01M | 4.0 | 10-16-70 | (1) | | 5050 |
| | | 11-16-70 | 0.3 | 3.7 | 5050 |
| | | 12-15-70 | FLOW | | 5050 |
| | | 1-15-71 | -0.4 | 4.4 | 5050 |
| | | 3-02-71 | (1) | | 5050 |
| | | 3-30-71 | 1.1 | 2.9 | 5050 |
| | | 4-28-71 (1) | 3.2 | 0.8 | 5050 |
| | | 5-26-71 (1) | 4.1 | -0.1 | 5050 |
| | | 6-24-71 | (1) | | 5050 |
| | | 7-30-71 | (1) | | 5050 |
| | | 8-31-71 | (1) | | 5050 |
| | | 9-28-71 | 0.4 | 3.6 | 5050 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| SUISUN-FAIRFIELD VALLEY 2-03.00 (Continued) | | | | | |
| 04N/03W-01D01M | 37.0 | 10-26-70 | 7.7 | 29.3 | 5109 |
| | | 3-17-71 | 2.8 | 34.2 | 5109 |
| 04N/03W-13G01M | 47.0 | 10-26-70 | 19.3 | 27.7 | 5109 |
| | | 3-17-71 | 18.1 | 28.9 | 5109 |
| 05N/01E-19R01M | 39.0 | 10-27-70 | 11.1 | 27.9 | 5109 |
| | | 3-17-71 | 5.5 | 33.5 | 5109 |
| 05N/01W-02N01M | 88.5 | 10-26-70 | 9.5 | 79.0 | 5109 |
| | | 3-17-71 | 7.9 | 80.6 | 5109 |
| 05N/01W-07E01M | 115.0 | 10-26-70 | 14.6 | 100.4 | 5109 |
| | | 3-17-71 | 12.7 | 102.3 | 5109 |
| 05N/01W-25R01M | 25.0 | 10-27-70 | 9.8 | 15.2 | 5109 |
| | | 3-17-71 | 6.2 | 18.8 | 5109 |
| 05N/02W-08G03M | 143.0 | 10-26-70 | 12.6 | 130.4 | 5109 |
| | | 3-18-71 | 9.5 | 133.5 | 5109 |
| 05N/02W-14N03M | 100.0 | 10-26-70 | (6) | | 5109 |
| 05N/02W-21P03M | 60.0 | 10-16-70 | 12.0 | 48.0 | 5050 |
| | | 10-26-70 | 10.9 | 49.1 | 5109 |
| | | 11-16-70 | 12.1 | 47.9 | 5050 |
| | | 12-15-70 | 10.2 | 49.8 | 5050 |
| | | 1-15-71 | 8.2 | 51.8 | 5050 |
| | | 3-02-71 | 8.8 | 51.2 | 5050 |
| | | 3-18-71 | 9.0 | 51.0 | 5109 |
| | | 3-30-71 | 9.2 | 50.8 | 5050 |
| | | 4-28-71 | 9.6 | 50.4 | 5050 |
| | | 5-25-71 | 9.1 | 50.9 | 5050 |
| | | 6-24-71 | 8.4 | 51.6 | 5050 |
| | | 7-30-71 | 8.9 | 51.1 | 5050 |
| | | 8-31-71 | 9.8 | 50.2 | 5050 |
| | | 9-28-71 | 10.8 | 49.2 | 5050 |
| 05N/02W-25R01M | 7.0 | 10-16-70 | 5.3 | 1.7 | 5050 |
| | | 10-26-70 | 4.6 | 2.4 | 5109 |
| | | 11-16-70 | 4.9 | 2.1 | 5050 |
| | | 12-15-70 | 0.5 | 6.5 | 5050 |
| | | 1-15-71 | 0.3 | 6.7 | 5050 |
| | | 3-02-71 | 2.7 | 4.3 | 5050 |
| | | 3-17-71 | 1.4 | 5.6 | 5109 |
| | | 3-30-71 | 1.7 | 5.3 | 5050 |
| | | 4-28-71 | 3.8 | 3.2 | 5050 |
| | | 5-26-71 | 4.4 | 2.6 | 5050 |
| | | 6-24-71 | 4.9 | 2.1 | 5050 |
| | | 7-30-71 | 5.4 | 1.6 | 5050 |
| | | 8-31-71 | 5.8 | 1.2 | 5050 |
| | | 9-28-71 | 5.6 | 1.4 | 5050 |
| 05N/02W-27J02M | 24.0 | 10-16-70 | 7.9 | 16.1 | 5050 |
| | | 10-26-70 | 5.7 | 18.3 | 5109 |
| | | 11-16-70 | 5.8 | 18.2 | 5050 |
| | | 12-15-70 | (8) | | 5050 |
| | | 1-15-71 | (8) | | 5050 |
| | | 3-04-71 | 6.5 | 17.5 | 5050 |
| | | 3-17-71 | (2) 30.0 | -6.0 | 5109 |
| | | 3-30-71 | (2) 31.9 | -7.9 | 5050 |
| | | 4-28-71 | 5.6 | 18.4 | 5050 |
| | | 5-26-71 | (2) 25.6 | -1.6 | 5050 |
| | | 6-24-71 | 5.9 | 18.1 | 5050 |
| | | 7-30-71 | (8) | | 5050 |
| | | 8-31-71 | 6.2 | 17.8 | 5050 |
| | | 9-28-71 | 7.1 | 16.9 | 5050 |
| 05N/02W-29R01M | 46.0 | 10-26-70 | 13.2 | 32.8 | 5109 |
| | | 3-18-71 | (1) 15.2 | 30.8 | 5109 |
| 05N/02W-30J01M | 65.0 | 10-16-70 | 20.7 | 44.3 | 5050 |
| | | 11-16-70 | 22.2 | 42.8 | 5050 |
| | | 12-15-70 | 18.3 | 46.7 | 5050 |
| | | 1-15-71 | 17.1 | 47.9 | 5050 |
| | | 3-02-71 | 20.1 | 44.9 | 5050 |
| | | 3-30-71 | 20.7 | 44.3 | 5050 |
| | | 4-28-71 | 21.2 | 43.8 | 5050 |
| | | 5-25-71 | 15.0 | 50.0 | 5050 |
| | | 6-24-71 | (1) | | 5050 |
| | | 7-30-71 | 16.9 | 48.1 | 5050 |
| | | 8-31-71 | 18.2 | 46.8 | 5050 |
| | | 9-28-71 | 19.3 | 45.7 | 5050 |
| PITTSBURG PLAIN 2-04.00 | | | | | |
| 02N/01E-15N01M | 40.0 | 10-19-70 | 34.2 | 5.8 | 5050 |
| | | 3-08-71 | 33.0 | 7.0 | 5050 |
| 02N/01E-15P01M | 35.0 | 10-19-70 | 21.0 | 14.0 | 5050 |
| | | 3-08-71 | 19.9 | 15.1 | 5050 |
| 02N/01E-18D01M | 25.0 | 10-19-70 | 24.9 | 0.1 | 5050 |
| | | 3-08-71 | 21.4 | 3.6 | 5050 |
| 02N/01W-04Q01M | 5.0 | 10-19-70 | 4.4 | 0.6 | 5050 |
| | | 3-08-71 | (9) | | 5050 |
| 02N/01W-11L01M | 30.0 | 10-19-70 | 30.4 | -0.4 | 5050 |
| | | 3-08-71 | 30.1 | -0.1 | 5050 |
| 02N/01W-12P01M | 30.0 | 10-19-70 | 27.7 | 2.3 | 5050 |
| | | 3-08-71 | 27.4 | 2.6 | 5050 |
| YGNACIO VALLEY 2-06.00 | | | | | |
| 01N/01W-07K01M | 83.0 | 10-19-70 | 11.8 | 71.2 | 5050 |
| | | 3-08-71 | 10.4 | 72.6 | 5050 |
| 01N/02W-11N01M | 63.0 | 10-19-70 | 13.5 | 49.5 | 5050 |
| | | 3-08-71 | 11.0 | 52.0 | 5050 |
| 01N/02W-13P01M | 100.0 | 10-19-70 | (8) | | 5050 |
| | | 3-08-71 | 7.9 | 92.1 | 5050 |
| 02N/02W-27R01M | 15.0 | 10-19-70 | 5.6 | 9.4 | 5050 |
| | | 3-08-71 | 2.9 | 12.1 | 5050 |
| 02N/02W-36E01M | 48.0 | 10-19-70 | 17.6 | 30.4 | 5050 |
| | | 3-08-71 | 15.1 | 32.9 | 5050 |
| SANTA CLARA VALLEY 2-09.00 | | | | | |
| EAST BAY AREA ABOVE HAYWARD FAULT 2-09.01 | | | | | |
| 04S/01W-35P03M | 115.3 | 11-05-70 | 136.9 | -21.6 | 5401 |
| | | 12-01-70 | 135.3 | -20.0 | 5401 |
| | | 1-05-71 | 136.8 | -21.5 | 5401 |
| | | 2-02-71 | 137.3 | -22.0 | 5401 |
| | | 3-29-71 | 138.5 | -23.2 | 5401 |
| | | 5-04-71 | 140.2 | -24.9 | 5401 |
| | | 6-04-71 | 142.0 | -26.7 | 5401 |
| | | 6-28-71 | 144.0 | -28.7 | 5401 |
| | | 8-02-71 | 145.1 | -29.8 | 5401 |
| | | 8-30-71 | 145.9 | -30.6 | 5401 |
| | | 9-27-71 | 146.5 | -31.2 | 5401 |
| EAST BAY AREA UPPER AQUIFER 2-09.01 | | | | | |
| 03S/02W-08M03M | 48.0 | 10-08-70 | 19.7 | 28.3 | 5100 |
| | | 11-04-70 | 17.9 | 30.1 | 5100 |
| | | 12-02-70 | 16.4 | 31.6 | 5100 |
| | | 12-30-70 | 15.2 | 32.8 | 5100 |
| | | 1-27-71 | 15.0 | 33.0 | 5100 |
| | | 2-24-71 | 15.4 | 32.6 | 5100 |
| | | 3-24-71 | 14.7 | 33.3 | 5100 |
| | | 4-21-71 | 16.0 | 32.0 | 5100 |
| | | 5-19-71 | 17.2 | 30.8 | 5100 |
| | | 6-16-71 | 17.1 | 30.9 | 5100 |
| | | 7-14-71 | 17.0 | 31.0 | 5100 |
| | | 8-11-71 | 17.5 | 30.5 | 5100 |
| | | 9-08-71 | (1) 18.5 | 29.5 | 5100 |
| 03S/02W-08R05M | 64.0 | 10-00-70 | 31.5 | 32.5 | 5100 |
| | | 4-00-71 | 30.1 | 33.9 | 5100 |
| | | 9-00-71 | 31.5 | 32.5 | 5100 |
| 03S/02W-19J01M | 30.0 | 10-08-70 | 9.9 | 20.1 | 5100 |
| | | 11-04-70 | 8.8 | 21.2 | 5100 |
| | | 12-02-70 | 9.0 | 21.0 | 5100 |
| | | 12-30-70 | 8.1 | 21.9 | 5100 |
| | | 1-27-71 | 8.1 | 21.9 | 5100 |
| | | 2-24-71 | 8.6 | 21.4 | 5100 |
| | | 3-24-71 | 7.8 | 22.2 | 5100 |
| | | 4-21-71 | 9.7 | 20.3 | 5100 |
| | | 5-19-71 | 8.7 | 21.3 | 5100 |
| | | 6-16-71 | 8.9 | 21.1 | 5100 |
| | | 7-14-71 | 9.3 | 20.7 | 5100 |
| | | 8-11-71 | 9.6 | 20.4 | 5100 |
| | | 9-08-71 | 10.2 | 19.8 | 5100 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| EAST BAY UPPER AQUIFER 2-09.01 (Continued) | | | | | |
| 03S/03W-24Q02M | 7.0 | 10-00-70 | (1) 9.1 | -2.1 | 5100 |
| | | 4-00-71 | (1) 8.9 | -1.9 | 5100 |
| | | 9-00-71 | 8.9 | -1.9 | 5100 |
| 04S/01W-18H03M | 47.0 | 11-03-70 | 63.1 | -16.1 | 5401 |
| | | 12-01-70 | 61.0 | -14.0 | 5401 |
| | | 1-05-71 | 57.5 | -10.5 | 5401 |
| | | 2-01-71 | 56.0 | -9.0 | 5401 |
| | | 3-29-71 | 55.5 | -8.5 | 5401 |
| | | 5-03-71 | 55.2 | -8.2 | 5401 |
| | | 6-02-71 | 57.1 | -10.1 | 5401 |
| | | 6-29-71 | 58.3 | -11.3 | 5401 |
| | | 7-28-71 | 59.3 | -12.3 | 5401 |
| | | 9-02-71 | 60.7 | -13.7 | 5401 |
| | | 9-28-71 | 61.9 | -14.9 | 5401 |
| 04S/01W-22P05M | 80.0 | 10-00-70 | 47.2 | 32.8 | 5100 |
| | | 4-00-71 | 40.0 | 40.0 | 5100 |
| | | 9-00-71 | 59.6 | 20.4 | 5100 |
| 04S/02W-13C02M | 36.4 | 3-29-71 | 40.9 | -4.5 | 5401 |
| | | 9-28-71 | 44.8 | -8.4 | 5401 |
| 04S/02W-24Q02M | 33.4 | 10-00-70 | 45.1 | -11.7 | 5100 |
| | | 4-00-71 | 42.6 | -9.2 | 5100 |
| | | 9-00-71 | 44.4 | -11.0 | 5100 |
| EAST BAY AREA LOWER AQUIFER 2-09.01 | | | | | |
| 02S/03W-36R01M | 45.0 | 10-00-70 | (1) 180.5 | -135.5 | 5100 |
| | | 4-00-71 | (1) 178.0 | -133.0 | 5100 |
| | | 9-00-71 | 77.5 | -32.5 | 5100 |
| 03S/03W-24J01M | 11.0 | 10-08-70 | 69.5 | -58.5 | 5100 |
| | | 11-04-70 | 58.0 | -47.0 | 5100 |
| | | 12-02-70 | 55.0 | -44.0 | 5100 |
| | | 12-30-70 | 55.0 | -44.0 | 5100 |
| | | 1-27-71 | 51.7 | -40.7 | 5100 |
| | | 2-24-71 | 51.0 | -40.0 | 5100 |
| | | 3-24-71 | 49.1 | -38.1 | 5100 |
| | | 4-21-71 | 49.9 | -38.9 | 5100 |
| | | 5-19-71 | 50.4 | -39.4 | 5100 |
| | | 6-16-71 | 52.6 | -41.6 | 5100 |
| | | 7-14-71 | 53.3 | -42.3 | 5100 |
| | | 8-11-71 | 58.4 | -47.4 | 5100 |
| | | 9-08-71 | 67.2 | -56.2 | 5100 |
| 03S/03W-36R03M | 5.0 | 10-00-70 | 66.8 | -61.8 | 5100 |
| | | 4-00-71 | 55.0 | -50.0 | 5100 |
| | | 9-00-71 | 63.9 | -58.9 | 5100 |
| 04S/02W-02Q01M | 26.0 | 3-22-71 | 55.4 | -29.4 | 5401 |
| 05S/01W-09M01M | 15.0 | 3-26-71 | 31.1 | -16.1 | 5401 |
| SOUTH BAY AREA 2-09.02 | | | | | |
| 06S/01E-21R01M | 138.0 | 10-05-70 | 164.7 | -26.7 | 2400 |
| | | 11-01-70 | 156.0 | -18.0 | 2400 |
| | | 11-30-70 | 151.9 | -13.9 | 2400 |
| | | 12-29-70 | 144.8 | -6.8 | 2400 |
| | | 2-01-71 | 148.4 | -10.4 | 2400 |
| | | 3-02-71 | 148.8 | -10.8 | 2400 |
| | | 4-01-71 | 134.5 | 3.5 | 2400 |
| | | 4-30-71 | 132.8 | 5.2 | 2400 |
| | | 5-28-71 | 142.8 | -4.8 | 2400 |
| | | 6-30-71 | 147.2 | -9.2 | 2400 |
| | | 7-29-71 | 156.7 | -18.7 | 2400 |
| | | 8-31-71 | 161.0 | -23.0 | 2400 |
| 06S/01E-23P02M | 240.5 | 11-02-70 | 123.3 | 117.2 | 2400 |
| | | 11-30-70 | 126.8 | 113.7 | 2400 |
| | | 12-29-70 | 125.5 | 115.0 | 2400 |
| | | 2-01-71 | 122.5 | 118.0 | 2400 |
| | | 3-02-71 | 123.0 | 117.5 | 2400 |
| | | 4-01-71 | 123.2 | 117.3 | 2400 |
| | | 4-30-71 | 124.6 | 115.9 | 2400 |
| | | 5-28-71 | 124.6 | 115.9 | 2400 |
| | | 6-30-71 | 124.7 | 115.8 | 2400 |
| | | 7-29-71 | 125.9 | 114.6 | 2400 |
| | | 8-30-71 | 126.0 | 114.5 | 2400 |
| SOUTH BAY AREA 2-09.02 (Continued) | | | | | |
| 06S/01E-30M01M | 43.0 | 1-06-71 | 46.6 | -3.6 | 2400 |
| | | 2-19-71 | 40.4 | 2.6 | 2400 |
| | | 3-15-71 | 41.1 | 1.9 | 2400 |
| | | 5-13-71 | 59.6 | -16.6 | 2400 |
| | | 6-15-71 | (1) | | 2400 |
| | | 7-14-71 | 82.7 | -39.7 | 2400 |
| | | 8-11-71 | 85.8 | -42.8 | 2400 |
| | | 9-13-71 | 84.8 | -41.8 | 2400 |
| 06S/02W-16R01M | 48.0 | 1-07-71 | 73.2 | -25.2 | 2400 |
| | | 2-22-71 | 70.0 | -22.0 | 2400 |
| | | 3-18-71 | 68.9 | -20.9 | 2400 |
| | | 4-16-71 | 71.6 | -23.6 | 2400 |
| | | 5-13-71 | 75.1 | -27.1 | 2400 |
| | | 6-17-71 | 76.2 | -28.2 | 2400 |
| | | 7-19-71 | 73.7 | -25.7 | 2400 |
| | | 8-16-71 | 78.8 | -30.8 | 2400 |
| | | 9-15-71 | 73.8 | -25.8 | 2400 |
| 06S/02W-25C01M | 73.0 | 10-07-70 | 102.1 | -29.1 | 2400 |
| | | 3-18-71 | 90.4 | -17.4 | 2400 |
| | | 4-19-71 | 90.0 | -17.0 | 2400 |
| | | 5-14-71 | 89.6 | -16.6 | 2400 |
| | | 6-17-71 | 92.3 | -19.3 | 2400 |
| | | 7-19-71 | 93.1 | -20.1 | 2400 |
| | | 8-17-71 | 94.0 | -21.0 | 2400 |
| | | 9-16-71 | 94.0 | -21.0 | 2400 |
| 07S/01E-01K01M | 179.0 | 1-18-71 | 126.8 | 52.2 | 2400 |
| | | 3-10-71 | 124.3 | 54.7 | 2400 |
| | | 4-12-71 | 124.0 | 55.0 | 2400 |
| | | 5-10-71 | 123.1 | 55.9 | 2400 |
| | | 6-09-71 | 122.3 | 56.7 | 2400 |
| | | 7-08-71 | 120.5 | 58.5 | 2400 |
| | | 8-06-71 | 119.5 | 59.5 | 2400 |
| | | 9-08-71 | 117.5 | 61.5 | 2400 |
| 07S/01E-31A02M | 151.6 | 10-01-70 | 143.4 | 8.2 | 2400 |
| | | 10-29-70 | 146.3 | 5.3 | 2400 |
| | | 11-30-70 | 129.3 | 22.3 | 2400 |
| | | 12-30-70 | 120.4 | 31.2 | 2400 |
| | | 2-01-71 | 112.2 | 39.4 | 2400 |
| | | 3-01-71 | 110.9 | 40.7 | 2400 |
| | | 3-30-71 | 110.3 | 41.3 | 2400 |
| | | 4-29-71 | 112.0 | 39.6 | 2400 |
| | | 6-02-71 | 111.7 | 39.9 | 2400 |
| | | 7-01-71 | 114.8 | 36.8 | 2400 |
| | | 7-29-71 | 128.7 | 22.9 | 2400 |
| | | 8-31-71 | 133.6 | 18.0 | 2400 |
| | | 9-30-71 | 135.1 | 16.5 | 2400 |
| 07S/02E-07P01M | 130.0 | 1-12-71 | 91.8 | 38.2 | 2400 |
| | | 3-08-71 | 85.6 | 44.4 | 2400 |
| | | 4-09-71 | 79.7 | 50.3 | 2400 |
| | | 5-07-71 | 80.0 | 50.0 | 2400 |
| | | 6-08-71 | 87.3 | 42.7 | 2400 |
| | | 7-08-71 | 80.2 | 49.8 | 2400 |
| | | 8-09-71 | 79.8 | 50.2 | 2400 |
| | | 9-08-71 | 79.6 | 50.4 | 2400 |
| 07S/02E-17H01M | 349.0 | 3-09-71 | 96.7 | 252.3 | 2400 |
| | | 5-07-71 | 98.0 | 251.0 | 2400 |
| | | 6-08-71 | (1) | | 2400 |
| | | 7-08-71 | 88.8 | 260.2 | 2400 |
| | | 8-06-71 | (2) 89.2 | 259.8 | 2400 |
| | | 9-08-71 | 89.5 | 259.5 | 2400 |
| 07S/02E-33C01M | 462.0 | 1-12-71 | 18.1 | 443.9 | 2400 |
| | | 3-09-71 | 19.0 | 443.0 | 2400 |
| | | 4-12-71 | 18.1 | 443.9 | 2400 |
| | | 5-07-71 | 18.0 | 444.0 | 2400 |
| | | 6-08-71 | 18.2 | 443.8 | 2400 |
| | | 7-07-71 | 17.8 | 444.2 | 2400 |
| | | 8-06-71 | 18.8 | 443.2 | 2400 |
| | | 9-08-71 | 19.2 | 442.8 | 2400 |
| 07S/02W-04B01M | 218.0 | 10-07-70 | 215.4 | 2.6 | 2400 |
| | | 1-08-71 | 227.8 | -9.8 | 2400 |
| | | 2-26-71 | 201.1 | 16.9 | 2400 |
| | | 3-18-71 | 206.2 | 11.8 | 2400 |
| | | 4-19-71 | (6) 222.7 | -4.7 | 2400 |
| | | 5-14-71 | (6) 223.9 | -5.9 | 2400 |
| | | 6-17-71 | (6) 225.3 | -7.3 | 2400 |
| | | 7-29-71 | (6) 225.9 | -7.9 | 2400 |
| | | 8-31-71 | (6) 227.4 | -9.4 | 2400 |
| | | 9-30-71 | (6) 228.0 | -10.0 | 2400 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| SOUTH BAY AREA 2-09.02 (Continued) | | | | | |
| 07S/02W-22A01M | 340.0 | 10-15-70 | 26.8 | 313.2 | 2400 |
| | | 2-08-71 | 25.1 | 314.9 | 2400 |
| | | 3-19-71 | 25.4 | 314.6 | 2400 |
| | | 4-21-71 | 26.4 | 313.6 | 2400 |
| | | 5-17-71 | 26.6 | 313.4 | 2400 |
| | | 6-18-71 | 25.4 | 314.6 | 2400 |
| | | 7-19-71 | 26.0 | 314.0 | 2400 |
| | | 8-17-71 | 26.9 | 313.1 | 2400 |
| | | 9-16-71 | 26.6 | 313.4 | 2400 |
| 08S/02E-20F03M | 209.0 | 11-24-70 | 24.6 | 184.4 | 2400 |
| | | 2-22-71 | 21.2 | 187.8 | 2400 |
| | | 3-29-71 | 27.5 | 181.5 | 2400 |
| | | 4-29-71 | 28.6 | 180.4 | 2400 |
| | | 5-26-71 | 26.6 | 182.4 | 2400 |
| | | 6-25-71 | 27.6 | 181.4 | 2400 |
| | | 8-25-71 | 27.6 | 181.4 | 2400 |
| 08S/02E-22D01M | 239.7 | 11-24-70 | 11.4 | 228.3 | 2400 |
| | | 2-22-71 (6) | 23.4 | 216.3 | 2400 |
| | | 3-29-71 | 16.6 | 223.1 | 2400 |
| | | 4-29-71 | 11.2 | 228.5 | 2400 |
| | | 5-26-71 | 11.2 | 228.5 | 2400 |
| | | 6-25-71 | 11.5 | 228.2 | 2400 |
| | | 8-25-71 | 11.4 | 228.3 | 2400 |
| 09S/02E-01J01M | 314.6 | 11 04-70 | 31.2 | 283.4 | 2400 |
| | | 11-30-70 | 31.8 | 282.8 | 2400 |
| | | 12-31-70 | 29.6 | 285.0 | 2400 |
| | | 1-29-71 | 30.2 | 284.4 | 2400 |
| | | 2-26-71 | 33.3 | 281.3 | 2400 |
| | | 3-31-71 | 30.3 | 284.3 | 2400 |
| | | 4-30-71 | 32.7 | 281.9 | 2400 |
| | | 6-01-71 | 37.8 | 276.8 | 2400 |
| | | 7-02-71 (2) | 41.4 | 273.2 | 2400 |
| | | 7-30-71 | 41.7 | 272.9 | 2400 |
| | | 8-30-71 | 36.3 | 278.3 | 2400 |
| 09S/02E-02J02M | 287.6 | 12-10-70 | 18.3 | 269.3 | 2400 |
| | | 3-03-71 | 18.2 | 269.4 | 2400 |
| | | 4-02-71 | 19.2 | 268.4 | 2400 |
| | | 5-03-71 | 19.2 | 268.4 | 2400 |
| | | 6-01-71 | 22.0 | 265.6 | 2400 |
| | | 7-02-71 | 25.6 | 262.0 | 2400 |
| | | 8-02-71 | 26.6 | 261.0 | 2400 |
| | | 9-01-71 (4) | 28.2 | 259.4 | 2400 |
| LIVERMORE VALLEY 2-10.00 | | | | | |
| 02S/01E-31E01M | 340.0 | 10-00-70 | 30.7 | 309.3 | 5100 |
| | | 4-00-71 | 17.1 | 322.9 | 5100 |
| | | 9-00-71 | 28.2 | 311.8 | 5100 |
| 02S/02E-21F01M | 580.0 | 10-00-70 | 50.6 | 529.4 | 5100 |
| | | 4-00-71 | 45.5 | 534.5 | 5100 |
| | | 9-00-71 | 48.5 | 531.5 | 5100 |
| 02S/02E-22N02M | 545.0 | 10-00-70 | 24.6 | 520.4 | 5100 |
| | | 4-00-71 | 24.1 | 520.9 | 5100 |
| | | 9-00-71 | 24.7 | 520.3 | 5100 |
| 02S/02E-27K01M | 520.0 | 10-00-70 | 11.1 | 508.9 | 5100 |
| | | 4-00-71 | 8.7 | 511.3 | 5100 |
| | | 9-00-71 | 11.3 | 508.7 | 5100 |
| 02S/02E-28J01M | 520.0 | 10-00-70 | 7.8 | 512.2 | 5100 |
| | | 4-00-71 | 6.8 | 513.2 | 5100 |
| | | 9-00-71 | 24.1 | 495.9 | 5100 |
| 02S/02E-29A02M | 552.0 | 10-00-70 | (0) | | 5100 |
| 02S/02E-29A03M | 552.0 | 10-00-70 | 31.4 | 520.6 | 5100 |
| | | 4-00-71 | 29.0 | 523.0 | 5100 |
| | | 9-00-71 (1) | 30.9 | 521.1 | 5100 |
| 02S/02E-32C01M | 520.0 | 10-00-70 | 24.7 | 495.3 | 5100 |
| | | 4-00-71 | 23.9 | 496.1 | 5100 |
| | | 9-00-71 | (7) | | 5100 |
| 02S/02E-35F01M | 522.0 | 10-00-70 | 14.6 | 507.4 | 5100 |
| | | 4-00-71 | 12.2 | 509.8 | 5100 |
| | | 9-00-71 | 13.5 | 508.5 | 5100 |
| 02S/02E-36F01M | 533.0 | 10-00-70 | 28.0 | 505.0 | 5100 |
| | | 4-00-71 | 27.0 | 506.0 | 5100 |
| | | 9-00-71 | 26.2 | 506.8 | 5100 |
| LIVERMORE VALLEY 2-10.00 (Continued) | | | | | |
| 02S/01W-22K01M | 440.0 | 10-00-70 | 20.4 | 419.6 | 5100 |
| | | 4-00-71 | 14.3 | 425.7 | 5100 |
| | | 9-00-71 | 17.7 | 422.3 | 5100 |
| 02S/01W-26C01M | 416.9 | 10-00-70 | 38.2 | 378.7 | 5100 |
| | | 4-00-71 | 29.4 | 387.5 | 5100 |
| | | 9-00-71 | 32.4 | 384.5 | 5100 |
| 03S/01E-01G02M | 418.0 | 10-00-70 | 50.2 | 367.8 | 5100 |
| | | 4-00-71 | 26.1 | 391.9 | 5100 |
| | | 9-00-71 | 48.3 | 369.7 | 5100 |
| 03S/01E-02J01M | 408.0 | 10-00-70 | 50.8 | 357.2 | 5100 |
| | | 4-00-71 | 49.8 | 358.2 | 5100 |
| | | 9-00-71 | 50.3 | 357.7 | 5100 |
| 03S/01E-03J01M | 361.0 | 10-00-70 | 22.4 | 338.6 | 5100 |
| | | 4-00-71 | 22.3 | 338.7 | 5100 |
| | | 9-00-71 | 23.5 | 337.5 | 5100 |
| 03S/01E-05M01M | 333.7 | 10-00-70 | 6.0 | 327.7 | 5100 |
| | | 4-00-71 | 5.5 | 328.2 | 5100 |
| | | 9-00-71 | 14.7 | 319.0 | 5100 |
| 03S/01E-05R02M | 340.0 | 10-00-70 (1) | 79.8 | 260.2 | 5100 |
| | | 4-00-71 | 77.1 | 262.9 | 5100 |
| | | 9-00-71 | 94.6 | 245.4 | 5100 |
| 03S/01E-06C01M | 334.7 | 10-00-70 | 25.6 | 309.1 | 5100 |
| | | 4-00-71 | 22.5 | 312.2 | 5100 |
| | | 9-00-71 | 26.7 | 308.0 | 5100 |
| 03S/01E-08J02M | 339.6 | 10-14-70 | 87.2 | 252.4 | 5100 |
| | | 11-25-70 | 85.0 | 254.6 | 5100 |
| | | 12-09-70 | 82.9 | 256.7 | 5100 |
| | | 1-06-71 | 80.1 | 259.5 | 5100 |
| | | 2-03-71 | 77.4 | 262.2 | 5100 |
| | | 3-03-71 | 82.0 | 257.6 | 5100 |
| | | 4-14-71 | 73.0 | 266.6 | 5100 |
| | | 4-28-71 | 71.8 | 267.8 | 5100 |
| | | 6-09-71 | 76.2 | 263.4 | 5100 |
| | | 7-07-71 | 80.1 | 259.5 | 5100 |
| | | 8-04-71 | 84.8 | 254.8 | 5100 |
| | | 9-01-71 | 85.0 | 254.6 | 5100 |
| 03S/01E-09R02M | 353.2 | 10-14-70 | 139.5 | 213.7 | 5100 |
| | | 3-03-71 | 95.2 | 258.0 | 5100 |
| 03S/01E-10Q02M | 368.7 | 10-14-70 | 135.0 | 233.7 | 5100 |
| | | 3-03-71 | 107.0 | 261.7 | 5100 |
| 03S/01E-11H01M | 372.9 | 10-00-70 | 138.0 | 234.9 | 5100 |
| | | 4-00-71 | 120.3 | 252.6 | 5100 |
| | | 9-00-71 | 144.5 | 228.4 | 5100 |
| 03S/01E-12P01M | 404.0 | 10-00-70 (1) | 195.3 | 208.7 | 5100 |
| | | 4-00-71 | 150.0 | 254.0 | 5100 |
| | | 9-00-71 | 168.9 | 235.1 | 5100 |
| 03S/01E-13P01M | 396.5 | 10-00-70 (1) | 148.6 | 247.9 | 5100 |
| | | 4-00-71 | 138.4 | 258.1 | 5100 |
| | | 9-00-71 | 139.9 | 256.6 | 5100 |
| 03S/01E-14F01M | 379.2 | 10-00-70 | 72.4 | 306.8 | 5100 |
| | | 4-00-71 | 69.7 | 309.5 | 5100 |
| | | 9-00-71 | 90.1 | 289.1 | 5100 |
| 03S/01E-15L01M | 363.0 | 10-00-70 (1) | 127.5 | 235.5 | 5100 |
| | | 4-00-71 | 80.7 | 282.3 | 5100 |
| | | 9-00-71 | 106.4 | 256.6 | 5100 |
| 03S/01E-16D02M | 339.4 | 10-14-70 | 104.2 | 235.2 | 5100 |
| | | 11-25-70 | 99.2 | 240.2 | 5100 |
| | | 12-09-70 | 97.5 | 241.9 | 5100 |
| | | 1-06-71 | 92.4 | 247.0 | 5100 |
| | | 2-03-71 | 85.8 | 253.6 | 5100 |
| | | 3-03-71 | 81.2 | 258.2 | 5100 |
| | | 4-14-71 | 80.0 | 259.4 | 5100 |
| | | 4-28-71 | 78.2 | 261.2 | 5100 |
| | | 6-09-71 | 84.0 | 255.4 | 5100 |
| | | 7-07-71 | 88.3 | 251.1 | 5100 |
| | | 8-04-71 | 91.0 | 248.4 | 5100 |
| | | 9-01-71 | 93.7 | 245.7 | 5100 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| LIVERMORE VALLEY 2-10.00 (Continued) | | | | | |
| 03S/01E-16D06M | 339.4 | 10-14-70 | 110.7 | 228.7 | 5100 |
| | | 11-25-70 | 99.0 | 240.4 | 5100 |
| | | 12-09-70 | 98.2 | 241.2 | 5100 |
| | | 1-06-71 | 89.4 | 250.0 | 5100 |
| | | 2-03-71 | 84.5 | 254.9 | 5100 |
| | | 3-03-71 | 81.3 | 258.1 | 5100 |
| | | 4-14-71 | 81.2 | 258.2 | 5100 |
| | | 4-28-71 | 81.9 | 257.5 | 5100 |
| | | 6-09-71 | 88.7 | 250.7 | 5100 |
| | | 7-07-71 | 96.2 | 243.2 | 5100 |
| | | 8-04-71 | 100.7 | 238.7 | 5100 |
| | | 9-01-71 | 104.6 | 234.8 | 5100 |
| 03S/01E-16D07M | 339.4 | 10-14-70 | 115.3 | 224.1 | 5100 |
| | | 11-25-70 | 101.3 | 238.1 | 5100 |
| | | 12-09-70 | 101.3 | 238.1 | 5100 |
| | | 1-06-71 | 90.6 | 248.8 | 5100 |
| | | 2-03-71 | 85.3 | 254.1 | 5100 |
| | | 3-03-71 | 82.6 | 256.8 | 5100 |
| | | 4-14-71 | 83.1 | 256.3 | 5100 |
| | | 4-28-71 | 82.3 | 257.1 | 5100 |
| | | 6-09-71 | 93.6 | 245.8 | 5100 |
| | | 7-07-71 | 101.2 | 238.2 | 5100 |
| | | 8-04-71 | 104.4 | 235.0 | 5100 |
| | | 9-01-71 | 109.3 | 230.1 | 5100 |
| 03S/01E-16R01M | 358.0 | 10-00-70 | 126.3 | 231.7 | 5100 |
| | | 4-00-71 | 68.5 | 289.5 | 5100 |
| | | 9-00-71 | 97.4 | 260.6 | 5100 |
| 03S/01E-18A01M | 320.0 | 10-14-70 | 72.0 | 248.0 | 5100 |
| | | 11-25-70 | 84.0 | 236.0 | 5100 |
| | | 12-09-70 (1) | 78.0 | 242.0 | 5100 |
| | | 1-06-71 | 91.0 | 229.0 | 5100 |
| | | 2-03-71 | 64.0 | 256.0 | 5100 |
| | | 3-03-71 | 64.0 | 256.0 | 5100 |
| | | 4-14-71 (1) | 66.0 | 254.0 | 5100 |
| | | 4-28-71 | 62.0 | 258.0 | 5100 |
| | | 6-09-71 | 69.0 | 251.0 | 5100 |
| | | 7-07-71 | 72.0 | 248.0 | 5100 |
| | | 8-04-71 | 70.0 | 250.0 | 5100 |
| | | 9-01-71 | 69.6 | 250.4 | 5100 |
| 03S/01E-18M05M | 320.0 | 10-00-70 | 86.7 | 233.3 | 5100 |
| | | 4-00-71 | 76.2 | 243.8 | 5100 |
| | | 9-00-71 | 71.3 | 248.7 | 5100 |
| 03S/01E-19A03M | 328.0 | 10-14-70 | 83.2 | 244.8 | 5100 |
| | | 11-25-70 | 85.7 | 242.3 | 5100 |
| | | 12-09-70 | 84.5 | 243.5 | 5100 |
| | | 1-06-71 | 70.7 | 257.3 | 5100 |
| | | 2-03-71 | 66.1 | 261.9 | 5100 |
| | | 3-03-71 | 71.4 | 256.6 | 5100 |
| | | 4-14-71 | 74.5 | 253.5 | 5100 |
| | | 4-28-71 | 74.9 | 253.1 | 5100 |
| | | 6-09-71 | 68.6 | 259.4 | 5100 |
| | | 7-07-71 | 70.8 | 257.2 | 5100 |
| | | 8-04-71 | 75.4 | 252.6 | 5100 |
| | | 9-01-71 | 75.4 | 252.6 | 5100 |
| 03S/01E-20B02M | 340.0 | 10-14-70 (1) | 108.0 | 232.0 | 5100 |
| | | 3-03-71 | 77.5 | 262.5 | 5100 |
| 03S/01E-23J01M | 435.0 | 10-00-70 (1) | 91.0 | 344.0 | 5100 |
| | | 4-00-71 | 76.0 | 359.0 | 5100 |
| | | 9-00-71 | 79.0 | 356.0 | 5100 |
| 03S/01E-24R01M | 421.9 | 10-00-70 | 18.0 | 403.9 | 5100 |
| | | 4-00-71 | 15.0 | 406.9 | 5100 |
| | | 9-00-71 | 18.7 | 403.2 | 5100 |
| 03S/01E-29E03M | 311.0 | 10-00-70 | 47.2 | 263.8 | 5100 |
| | | 4-00-71 | 46.0 | 265.0 | 5100 |
| | | 9-00-71 | 46.9 | 264.1 | 5100 |
| 03S/02E-01G01M | 580.0 | 10-00-70 | 87.7 | 492.3 | 5100 |
| | | 4-00-71 | 81.5 | 498.5 | 5100 |
| | | 9-00-71 | 79.7 | 500.3 | 5100 |
| 03S/02E-03K01M | 520.2 | 10-00-70 | 51.2 | 469.0 | 5100 |
| | | 4-00-71 | 48.2 | 472.0 | 5100 |
| | | 9-00-71 | 51.7 | 468.5 | 5100 |
| 03S/02E-03P01M | 545.0 | 10-00-70 | 69.3 | 475.7 | 5100 |
| | | 4-00-71 | 53.3 | 491.7 | 5100 |
| | | 9-00-71 | 64.3 | 480.7 | 5100 |
| LIVERMORE VALLEY 2-10.00 (Continued) | | | | | |
| 03S/02E-06P01M | 414.0 | 10-00-70 | 41.0 | 373.0 | 5100 |
| | | 4-00-71 | 37.0 | 377.0 | 5100 |
| | | 9-00-71 | 36.5 | 377.5 | 5100 |
| 03S/02E-07P02M | 440.0 | 10-00-70 | 111.6 | 328.4 | 5100 |
| | | 4-00-71 | 97.6 | 342.4 | 5100 |
| | | 9-00-71 | 112.1 | 327.9 | 5100 |
| 03S/02E-08H01M | 472.5 | 10-00-70 | 134.0 | 338.5 | 5100 |
| | | 4-00-71 | 71.8 | 400.7 | 5100 |
| | | 9-00-71 | 88.0 | 384.5 | 5100 |
| 03S/02E-08P02M | 465.0 | 10-14-70 | 84.0 | 381.0 | 5100 |
| | | 3-03-71 | 67.5 | 397.5 | 5100 |
| 03S/02E-09Q01M | 518.0 | 10-00-70 | 154.0 | 364.0 | 5100 |
| | | 4-00-71 | 93.0 | 425.0 | 5100 |
| | | 9-00-71 | 125.6 | 392.4 | 5100 |
| 03S/02E-11R03M | 600.0 | 10-00-70 | 120.0 | 480.0 | 5100 |
| | | 4-00-71 | 114.0 | 486.0 | 5100 |
| | | 9-00-71 | 113.7 | 486.3 | 5100 |
| 03S/02E-11R04M | 600.0 | 10-00-70 | 87.4 | 512.6 | 5100 |
| | | 4-00-71 | (0) | | 5100 |
| 03S/02E-14Q01M | 649.0 | 10-00-70 | 10.5 | 638.5 | 5100 |
| | | 4-00-71 | 7.4 | 641.6 | 5100 |
| | | 9-00-71 | 12.4 | 636.6 | 5100 |
| 03S/02E-15B04M | 549.0 | 10-00-70 | 56.6 | 492.4 | 5100 |
| | | 4-00-71 | 41.7 | 507.3 | 5100 |
| | | 9-00-71 | 53.3 | 495.7 | 5100 |
| 03S/02E-15R01M | 599.0 | 10-00-70 | 13.0 | 586.0 | 5100 |
| | | 4-00-71 | 7.8 | 591.2 | 5100 |
| | | 9-00-71 | 15.8 | 583.2 | 5100 |
| 03S/02E-16E02M | 508.0 | 10-14-70 | 98.8 | 409.2 | 5100 |
| | | 11-25-70 | 92.4 | 415.6 | 5100 |
| | | 12-09-70 | 97.9 | 410.1 | 5100 |
| | | 1-06-71 | 92.4 | 415.6 | 5100 |
| | | 2-03-71 | 93.1 | 414.9 | 5100 |
| | | 3-03-71 | 92.7 | 415.3 | 5100 |
| | | 4-14-71 | 92.9 | 415.1 | 5100 |
| | | 4-28-71 | 91.9 | 416.1 | 5100 |
| | | 6-09-71 (1) | 111.7 | 396.3 | 5100 |
| | | 7-07-71 (1) | 121.4 | 386.6 | 5100 |
| | | 8-04-71 (1) | 99.5 | 408.5 | 5100 |
| | | 9-01-71 | 93.7 | 414.3 | 5100 |
| 03S/02E-16N01M | 530.0 | 10-00-70 | 145.6 | 384.4 | 5100 |
| | | 4-00-71 | 144.8 | 385.2 | 5100 |
| | | 9-00-71 | 127.2 | 402.8 | 5100 |
| 03S/02E-19D01M | 411.6 | 10-14-70 | 183.0 | 228.6 | 5100 |
| | | 11-25-70 | 171.4 | 240.2 | 5100 |
| | | 12-09-70 | 165.3 | 246.3 | 5100 |
| | | 1-06-71 | 157.2 | 254.4 | 5100 |
| | | 2-03-71 | 151.0 | 260.6 | 5100 |
| | | 3-03-71 | 146.7 | 264.9 | 5100 |
| | | 4-14-71 | 143.2 | 268.4 | 5100 |
| | | 4-28-71 | 143.2 | 268.4 | 5100 |
| | | 6-09-71 | 145.5 | 266.1 | 5100 |
| | | 7-07-71 | 153.0 | 258.6 | 5100 |
| | | 8-04-71 | 163.8 | 247.8 | 5100 |
| | | 9-01-71 | 174.0 | 237.6 | 5100 |
| 03S/02E-19H03M | 460.0 | 10-00-70 | 95.0 | 365.0 | 5100 |
| | | 4-00-71 | 94.9 | 365.1 | 5100 |
| | | 9-00-71 | 96.9 | 363.1 | 5100 |
| 03S/02E-22H02M | 620.0 | 10-00-70 | 41.3 | 578.7 | 5100 |
| | | 4-00-71 | 20.0 | 600.0 | 5100 |
| | | 9-00-71 | 26.2 | 593.8 | 5100 |
| 03S/02E-22M01M | 605.0 | 10-00-70 | 154.5 | 450.5 | 5100 |
| | | 4-00-71 | 149.5 | 455.5 | 5100 |
| | | 9-00-71 | 145.1 | 459.9 | 5100 |
| 03S/02E-26J01M | 720.0 | 10-00-70 | 26.5 | 693.5 | 5100 |
| | | 4-00-71 | 19.5 | 700.5 | 5100 |
| | | 9-00-71 | 23.5 | 696.5 | 5100 |
| 03S/02E-28P01M | 505.0 | 10-00-70 | 18.0 | 487.0 | 5100 |
| | | 4-00-71 | 17.0 | 488.0 | 5100 |
| | | 9-00-71 | 17.0 | 488.0 | 5100 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| LIVERMORE VALLEY 2-10.00 (Continued) | | | | | |
| 03S/02E-29D01M | 466.4 | 10-00-70 | 62.9 | 403.5 | 5100 |
| | | 4-00-71 | 56.1 | 410.3 | 5100 |
| | | 9-00-71 | 68.4 | 398.0 | 5100 |
| 03S/02E-29P01M | 476.6 | 10-00-70 | 9.5 | 467.1 | 5100 |
| | | 4-00-71 | 9.6 | 467.0 | 5100 |
| | | 9-00-71 | 12.3 | 464.3 | 5100 |
| 03S/03E-07M02M | 625.0 | 10-00-70 | 52.7 | 572.3 | 5100 |
| | | 4-00-71 | 52.2 | 572.8 | 5100 |
| | | 9-00-71 | 50.4 | 574.6 | 5100 |
| 03S/03E-17N01M | 860.0 | 10-00-70 | 45.0 | 815.0 | 5100 |
| | | 4-00-71 | 33.4 | 826.6 | 5100 |
| | | 9-00-71 | 43.6 | 816.4 | 5100 |
| 03S/03E-19D01M | 712.0 | 10-00-70 | (7) | | 5100 |
| | | 4-00-71 | (7) | | 5100 |
| | | 9-00-71 | 32.6 | 679.4 | 5100 |
| 03S/01W-01B01M | 332.0 | 10-00-70 | 42.0 | 290.0 | 5100 |
| | | 4-00-71 | 30.3 | 301.7 | 5100 |
| | | 9-00-71 | 50.0 | 282.0 | 5100 |
| 03S/01W-02A01M | 370.0 | 10-00-70 | 40.0 | 330.0 | 5100 |
| | | 4-00-71 | 27.2 | 342.8 | 5100 |
| | | 9-00-71 | 35.0 | 335.0 | 5100 |
| 03S/01W-02R01M | 380.0 | 10-00-70 | 13.8 | 366.2 | 5100 |
| | | 4-00-71 | 12.8 | 367.2 | 5100 |
| | | 9-00-71 | 15.3 | 364.7 | 5100 |
| 03S/01W-12G03M | 320.0 | 10-00-70 | 14.4 | 305.6 | 5100 |
| | | 4-00-71 | 7.9 | 312.1 | 5100 |
| CENTRAL COASTAL REGION 3-00.00 | | | | | |
| PAJARO VALLEY 3-02.00 | | | | | |
| 11S/02E-27A01M | 141.0 | 10-16-70 | 107.5 | 33.5 | 5050 |
| | | 5-04-71 | 127.5 | 13.5 | 5050 |
| 12S/01E-24G01M | 9.4 | 10-16-70 | (1) | | 5050 |
| | | 5-04-71 | 16.8 | -7.4 | 5050 |
| 12S/02E-11E04M | 36.0 | 10-16-70 | 31.2 | 4.8 | 5050 |
| | | 5-04-71 | 26.2 | 9.8 | 5050 |
| 12S/02E-16J01M | 20.5 | 10-16-70 | 21.7 | -1.2 | 5050 |
| | | 5-04-71 | 19.7 | 0.8 | 5050 |
| 12S/02E-31K01M | 30.0 | 11-20-70 | 30.2 | -0.2 | 2100 |
| 13S/01E-01A01M | 5.0 | 11-19-70 | 3.7 | 1.3 | 2100 |
| 13S/02E-06B01M | 15.0 | 10-16-70 | (9) | | 5050 |
| | | 5-04-71 | (9) | | 5050 |
| 13S/02E-06C01M | 26.0 | 10-00-70 | (1) | | 2100 |
| | | 11-00-70 | 24.2 | 1.8 | 2100 |
| | | 12-00-70 | (7) | | 2100 |
| | | 1-00-71 | 21.2 | 4.8 | 2100 |
| | | 2-00-71 | 21.1 | 4.9 | 2100 |
| | | 3-00-71 | (1) | | 2100 |
| | | 4-00-71 | 21.2 | 4.8 | 2100 |
| | | 5-00-71 | 23.0 | 3.0 | 2100 |
| | | 6-00-71 | 23.9 | 2.1 | 2100 |
| | | 7-00-71 | 24.3 | 1.7 | 2100 |
| | | 8-00-71 | (1) | | 2100 |
| | | 9-00-71 | 27.0 | -1.0 | 2100 |
| 13S/02E-06E02M | 27.8 | 10-00-70 | (1) | | 2100 |
| | | 11-00-70 | 24.0 | 3.8 | 2100 |
| | | 12-00-70 | (7) | | 2100 |
| | | 1-00-71 | 22.0 | 5.8 | 2100 |
| | | 2-00-71 | 21.7 | 6.1 | 2100 |
| | | 3-00-71 | 20.8 | 7.0 | 2100 |
| | | 4-00-71 | 21.3 | 6.5 | 2100 |
| | | 5-00-71 | 25.4 | 2.4 | 2100 |
| | | 6-00-71 | 25.9 | 1.9 | 2100 |
| | | 7-00-71 | 30.1 | -2.3 | 2100 |
| | | 8-00-71 | (1) | | 2100 |
| | | 9-00-71 | (1) | | 2100 |
| PAJARO VALLEY 3-02.00 (Continued) | | | | | |
| 13S/02E 06E03M | 34.4 | 11-19-70 | 29.8 | 4.6 | 2100 |
| | | 1-00-71 | 26.0 | 8.4 | 2100 |
| | | 2-00-71 | 26.0 | 8.4 | 2100 |
| | | 3-00-71 | 26.3 | 8.1 | 2100 |
| GILROY-HOLLISTER VALLEY 3-03.00 | | | | | |
| SOUTH SANTA CLARA COUNTY 3-03.01 | | | | | |
| 09S/03E-16J01M | 385.7 | 9-08-70 | 87.6 | 298.1 | 2400 |
| | | 3-05-71 | 41.6 | 344.1 | 2400 |
| 09S/03E-21K02M | 361.6 | 10-09-70 | 55.4 | 306.2 | 2400 |
| | | 3-05-71 | 54.7 | 306.9 | 2400 |
| 09S/03E-22B03M | 379.1 | 9-01-70 | 80.4 | 298.7 | 2400 |
| | | 3-31-71 | 78.5 | 300.6 | 2400 |
| 09S/03E-23E01M | 362.5 | 9-04-70 | 97.6 | 264.9 | 2400 |
| | | 3-05-71 | 73.6 | 288.9 | 2400 |
| 09S/03E-26P01M | 329.1 | 10-05-70 | 61.9 | 267.2 | 2400 |
| | | 4-06-71 | 46.2 | 282.9 | 2400 |
| 09S/03E-29B01M | 397.6 | 10-16-70 | 13.4 | 384.2 | 5050 |
| | | 5-03-71 | 9.3 | 388.3 | 5050 |
| 09S/03E-34Q01M | 314.2 | 10-05-70 | 38.1 | 276.1 | 2400 |
| | | 3-05-71 | 25.2 | 289.0 | 2400 |
| 09S/03E-36F03M | 322.0 | 9-04-70 | 86.5 | 235.5 | 2400 |
| | | 3-05-71 | 67.3 | 254.7 | 2400 |
| 10S/03E-02K03M | 290.0 | 10-16-70 | 51.2 | 238.8 | 5050 |
| | | 5-03-71 | 34.2 | 255.8 | 5050 |
| 10S/03E-13J03M | 251.0 | 10-15-70 | 56.9 | 194.1 | 5050 |
| | | 5-03-71 | 32.9 | 218.1 | 5050 |
| 10S/03E-36E03M | 220.0 | 10-16-70 | (7) | | 5050 |
| | | 5-03-71 | (7) | | 5050 |
| 10S/04E-18G02M | 259.5 | 10-15-70 | 58.4 | 201.1 | 5050 |
| | | 5-03-71 | 42.4 | 217.1 | 5050 |
| 10S/04E-35E01M | 248.0 | 10-16-70 | (9) | | 5050 |
| | | 5-03-71 | 90.5 | 157.5 | 5050 |
| 11S/04E-08K02M | 179.0 | 10-16-70 | 29.7 | 149.3 | 5050 |
| | | 5-03-71 | (1) | | 5050 |
| SAN BENITO COUNTY 3-03.02 | | | | | |
| 11S/05E-13D01M | 255.7 | 10-15-70 | 22.8 | 232.9 | 5050 |
| | | 5-03-71 | 21.8 | 233.9 | 5050 |
| 12S/04E-20C01M | 152.9 | 3-00-71 | 29.5 | 123.4 | 5151 |
| 12S/05E-10R01M | 211.6 | 10-15-70 | 78.8 | 132.8 | 5050 |
| | | 5-03-71 | 74.6 | 137.0 | 5050 |
| 12S/05E-12M04M | 215.0 | 10-15-70 | 76.4 | 138.6 | 5050 |
| | | 5-03-71 | 67.9 | 147.1 | 5050 |
| 12S/05E-33A02M | 280.0 | 10-15-70 | 78.0 | 202.0 | 5050 |
| | | 5-03-71 | 76.0 | 204.0 | 5050 |
| 12S/05E-35N02M | 303.0 | 10-15-70 | 96.4 | 206.6 | 5050 |
| | | 5-03-71 | 111.4 | 191.6 | 5050 |
| 13S/05E-11Q01M | 325.5 | 3-00-71 | 27.1 | 298.4 | 5151 |
| SALINAS VALLEY 3-04.00 | | | | | |
| PRESSURE AREA 180-FOOT AQUIFER 3-04.01 | | | | | |
| 14S/02E-03C01M | 10.6 | 11-20-70 | 17.7 | -7.1 | 2100 |
| 15S/02E-01Q01M | 42.0 | 1-00-71 | 35.0 | 7.0 | 2100 |
| | | 2-00-71 | 33.2 | 8.8 | 2100 |
| | | 3-00-71 | 31.0 | 11.0 | 2100 |
| | | 7-00-71 | 62.7 | -20.7 | 2100 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| PRESSURE AREA 180-FOOT AQUIFER 3-04.01 (Continued) | | | | | |
| 15S/03E-16M01M | 58.0 | 10-00-70 | 53.0 | 5.0 | 2100 |
| | | 11-00-70 | (7) | | 2100 |
| | | 12-03-70 | 40.0 | 18.0 | 2100 |
| | | 1-00-71 | 31.5 | 26.5 | 2100 |
| | | 2-00-71 | 34.4 | 23.6 | 2100 |
| | | 3-00-71 | 35.5 | 22.5 | 2100 |
| | | 4-00-71 | 54.3 | 3.7 | 2100 |
| | | 5-00-71 | 55.7 | 2.3 | 2100 |
| | | 6-00-71 | 57.9 | 0.1 | 2100 |
| | | 7-00-71 | 68.0 | -10.0 | 2100 |
| | | 8-00-71 | 67.0 | -9.0 | 2100 |
| | | 9-00-71 | 64.0 | -6.0 | 2100 |
| 15S/04E-33A01M | 125.0 | 12-10-70 | (4) | | 2100 |
| 16S/04E-11D01M | 110.0 | 11-24-70 | (4) | | 2100 |
| PRESSURE AREA 400-FOOT AQUIFER 3-04.01 | | | | | |
| 13S/02E-31Q01M | 11.0 | 11-20-70 | 15.8 | -4.8 | 2100 |
| 14S/03E-18J01M | 69.0 | 10-00-70 | 86.8 | -17.8 | 2100 |
| | | 11-27-70 | 77.0 | -8.0 | 2100 |
| | | 12-00-70 | (7) | | 2100 |
| | | 1-00-71 | 67.0 | 2.0 | 2100 |
| | | 2-00-71 | 67.3 | 1.7 | 2100 |
| | | 3-00-71 | 70.0 | -1.0 | 2100 |
| | | 4-00-71 | 72.2 | -3.2 | 2100 |
| | | 5-00-71 | (1) | | 2100 |
| | | 6-00-71 | 96.0 | -27.0 | 2100 |
| | | 7-00-71 | (7) | | 2100 |
| | | 8-00-71 | 101.6 | -32.6 | 2100 |
| | | 9-00-71 | 98.8 | -29.8 | 2100 |
| EAST SIDE AREA 3-04.02 | | | | | |
| 16S/05E-17R01M | 181.0 | 11-22-70 | 107.5 | 73.5 | 2100 |
| ARROYO SECO CONE 3-04.04 | | | | | |
| 18S/06E-15M01M | 277.0 | 10-00-70 | 94.0 | 183.0 | 2100 |
| | | 11-00-70 | 99.5 | 177.5 | 2100 |
| | | 2-00-71 | 88.0 | 189.0 | 2100 |
| | | 3-00-71 | 89.9 | 187.1 | 2100 |
| | | 4-00-71 | (1) | | 2100 |
| | | 5-00-71 | 90.9 | 186.1 | 2100 |
| | | 6-00-71 | 95.9 | 181.1 | 2100 |
| | | 7-00-71 | 99.1 | 177.9 | 2100 |
| | | 8-00-71 | (1) | | 2100 |
| | | 9-00-71 | 103.0 | 174.0 | 2100 |
| 19S/06E-11C01M | 373.0 | 10-00-70 | 188.0 | 185.0 | 2100 |
| | | 11-00-70 | 177.0 | 196.0 | 2100 |
| | | 1-00-71 | 156.6 | 216.4 | 2100 |
| | | 2-00-71 | 155.5 | 217.5 | 2100 |
| | | 3-00-71 | (1) | | 2100 |
| | | 4-00-71 | (1) | | 2100 |
| | | 5-00-71 | 151.1 | 221.9 | 2100 |
| | | 6-00-71 | (1) | | 2100 |
| | | 7-00-71 | 158.5 | 214.5 | 2100 |
| | | 8-00-71 | 183.6 | 189.4 | 2100 |
| | | 9-00-71 | 186.0 | 187.0 | 2100 |
| UPPER VALLEY AREA 3-04.05 | | | | | |
| 19S/07E-10P01M | 315.0 | 10-00-70 | 81.5 | 233.5 | 2100 |
| | | 11-00-70 | 82.5 | 232.5 | 2100 |
| | | 1-00-71 | 78.2 | 236.8 | 2100 |
| | | 2-00-71 | 80.8 | 234.2 | 2100 |
| | | 3-00-71 | 81.0 | 234.0 | 2100 |
| | | 4-00-71 | 90.4 | 224.6 | 2100 |
| | | 5-00-71 | 87.6 | 227.4 | 2100 |
| | | 6-00-71 | 91.4 | 223.6 | 2100 |
| | | 7-00-71 | 95.0 | 220.0 | 2100 |
| | | 8-00-71 | 96.7 | 218.3 | 2100 |
| | | 9-00-71 | 93.5 | 221.5 | 2100 |
| 20S/08E-05R03M | 337.0 | 1-00-71 | 67.4 | 269.6 | 2100 |
| | | 2-00-71 | 67.0 | 270.0 | 2100 |
| | | 3-00-71 | (1) | | 2100 |
| | | 4-00-71 | 70.4 | 266.6 | 2100 |
| UPPER VALLEY AREA 3-04.05 (Continued) | | | | | |
| 21S/09E-07J02M | 364.0 | 10-00-70 | 24.0 | 340.0 | 2100 |
| | | 11-00-70 | 23.9 | 340.1 | 2100 |
| | | 1-00-71 | 23.6 | 340.4 | 2100 |
| | | 2-00-71 | 23.7 | 340.3 | 2100 |
| | | 3-00-71 | 22.0 | 342.0 | 2100 |
| | | 4-00-71 | (1) | | 2100 |
| | | 6-00-71 | 24.0 | 340.0 | 2100 |
| | | 8-00-71 | (1) | | 2100 |
| | | 9-00-71 | 25.0 | 339.0 | 2100 |
| 21S/10E-32N01M | 400.0 | 11-19-70 | 23.0 | 377.0 | 2100 |
| 22S/10E-16K01M | 472.0 | 11-19-70 | 71.4 | 400.6 | 2100 |
| PASO ROBLES BASIN 3-04.06 | | | | | |
| 24S/11E-25N01M | 603.3 | 2-01-71 | 36.8 | 566.5 | 5117 |
| | | 4-19-71 | 36.8 | 566.5 | 5117 |
| 24S/11E-33R01M | 565.0 | 2-01-71 | 31.0 | 534.0 | 5117 |
| | | 4-19-71 | 31.0 | 534.0 | 5117 |
| 24S/11E-35D01M | 572.1 | 12-01-70 | 31.0 | 541.1 | 5117 |
| | | 4-19-71 | 31.0 | 541.1 | 5117 |
| 24S/11E-35J01M | 616.8 | 4-19-71 | 59.8 | 557.0 | 5117 |
| 24S/15E-27L01M | 1211.5 | 11-12-70 | 21.4 | 1190.1 | 5117 |
| | | 4-02-71 | 16.5 | 1195.0 | 5117 |
| 24S/15E-33C02M | 1225.0 | 11-12-70 | 25.0 | 1200.0 | 5117 |
| | | 4-21-71 | 22.6 | 1202.4 | 5117 |
| 25S/11E-35G01M | 895.0 | 10-27-70 | 65.0 | 830.0 | 5117 |
| | | 4-16-71 | 58.5 | 836.5 | 5117 |
| 25S/11E-36N02M | 837.5 | 10-27-70 | 47.0 | 790.5 | 5117 |
| | | 4-16-71 | 42.5 | 795.0 | 5117 |
| 25S/12E-17J01M | 640.0 | 10-28-70 | 21.0 | 619.0 | 5117 |
| | | 4-16-71 | 2.0 | 638.0 | 5117 |
| 25S/12E-17R01M | 640.0 | 10-28-70 | 39.0 | 601.0 | 5117 |
| | | 4-16-71 | 10.0 | 630.0 | 5117 |
| 25S/12E-26K01M | 749.0 | 4-21-71 | 114.0 | 635.0 | 5117 |
| | | 5-25-71 | 128.0 | 621.0 | 5117 |
| | | 8-24-71 | 192.1 | 556.9 | 5117 |
| 25S/12E-28N01M | 639.0 | 10-30-70 | 22.5 | 616.5 | 5117 |
| | | 4-21-71 | 12.4 | 626.6 | 5117 |
| 25S/13E-11E01M | 1185.0 | 10-30-70 | 56.1 | 1128.9 | 5117 |
| | | 4-21-71 | (4) | | 5117 |
| 25S/13E-19R01M | 915.0 | 10-30-70 | 174.7 | 740.3 | 5117 |
| | | 4-02-71 | 176.2 | 738.8 | 5117 |
| 25S/16E-17L01M | 1164.5 | 11-12-70 | 27.3 | 1137.2 | 5117 |
| | | 4-21-71 | 27.2 | 1137.3 | 5117 |
| 26S/12E-04N01M | 675.0 | 10-24-70 | 45.9 | 629.1 | 5117 |
| | | 4-16-71 | 42.7 | 632.3 | 5117 |
| 26S/12E-26E01M | 840.0 | 10-30-70 | 195.0 | 645.0 | 5117 |
| | | 4-16-71 | 191.5 | 648.5 | 5117 |
| 26S/13E-05F01M | 740.0 | 10-30-70 | (1) | | 5117 |
| | | 4-21-71 | 15.5 | 724.5 | 5117 |
| 26S/13E-10D01M | 800.0 | 10-30-70 | 74.0 | 726.0 | 5117 |
| | | 4-21-71 | 56.4 | 743.6 | 5117 |
| 26S/14E-17L01M | 949.0 | 10-30-70 | 36.0 | 913.0 | 5117 |
| | | 4-07-71 | 40.6 | 908.4 | 5117 |
| 26S/14E-18Q01M | 930.0 | 10-30-70 | 46.4 | 883.6 | 5117 |
| | | 4-07-71 | 32.5 | 897.5 | 5117 |
| 26S/14E-24B01M | 1000.0 | 11-17-70 | 157.0 | 843.0 | 5117 |
| | | 4-07-71 | 67.5 | 932.5 | 5117 |
| 26S/14E-35D01M | 1135.0 | 11-19-70 | 117.5 | 1017.5 | 5117 |
| | | 4-23-71 | 116.5 | 1018.5 | 5117 |

TABLE C-2 (Cont.)

# GROUND WATER LEVELS AT WELLS

| STATE WELL NUMBER | GROUND SURFACE ELEVATION IN FEET | DATE | GROUND SURFACE TO WATER SURFACE IN FEET | WATER SURFACE ELEVATION IN FEET | AGENCY SUPPLYING DATA |
|---|---|---|---|---|---|
| PASO ROBLES BASIN 3-04.06 (Continued) | | | | | |
| 26S/15E-16P02M | 1047.0 | 11-12-70 | 31.5 | 1015.5 | 5117 |
| | | 4-07-71 | 50.2 | 996.8 | 5117 |
| 26S/15E-21P01M | 1072.0 | 11-17-70 | 47.0 | 1025.0 | 5117 |
| | | 2-18-71 | 36.4 | 1035.6 | 5117 |
| | | 4-02-71 | 56.0 | 1016.0 | 5117 |
| | | 5-02-71 | 67.0 | 1005.0 | 5117 |
| | | 7-16-71 | 70.0 | 1002.0 | 5117 |
| 26S/15E-28Q01M | 1090.0 | 10-23-70 | 78.0 | 1012.0 | 5117 |
| | | 11-17-70 | 61.0 | 1029.0 | 5117 |
| 26S/15E-29N01M | 1133.0 | 12-10-70 | 84.0 | 1049.0 | 5117 |
| | | 1-20-71 | 78.0 | 1055.0 | 5117 |
| | | 2-23-71 | 76.5 | 1056.5 | 5117 |
| | | 4-23-71 | 90.0 | 1043.0 | 5117 |
| | | 7-16-71 | 122.0 | 1011.0 | 5117 |
| | | 8-25-71 | 126.9 | 1006.1 | 5117 |
| 27S/12E-04F04M | 701.0 | 10-27-70 | 19.8 | 681.2 | 5117 |
| 27S/12E-21C01M | 741.0 | 10-27-70 | 16.4 | 724.6 | 5117 |
| 27S/13E-24N01M | 1030.0 | 1-20-71 | 16.5 | 1013.5 | 5117 |
| | | 2-23-71 | 15.6 | 1014.4 | 5117 |
| | | 4-22-71 | 43.0 | 987.0 | 5117 |
| 27S/13E-33L01M | 1180.0 | 11-19-70 | 134.0 | 1046.0 | 5117 |
| | | 1-20-71 | 108.0 | 1072.0 | 5117 |
| | | 2-23-71 | 107.0 | 1073.0 | 5117 |
| | | 8-25-71 | 107.5 | 1072.5 | 5117 |
| 27S/15E-03E01M | 1120.0 | 11-17-70 | 62.2 | 1057.8 | 5117 |
| | | 1-20-71 | 58.1 | 1061.9 | 5117 |
| | | 2-18-71 | 57.2 | 1062.8 | 5117 |
| | | 4-22-71 | 72.7 | 1047.3 | 5117 |
| | | 5-23-71 | 75.8 | 1044.2 | 5117 |
| | | 7-16-71 | 110.2 | 1009.8 | 5117 |
| | | 8-25-71 | 96.7 | 1023.3 | 5117 |
| 27S/15E-10R02M | 1130.0 | 4-23-71 | (1) | | 5117 |
| 27S/16E-07P01M | 1225.0 | 11-17-70 | 66.0 | 1159.0 | 5117 |
| | | 4-26-71 | 63.0 | 1162.0 | 5117 |
| 27S/16E-35Q01M | 1281.0 | 11-17-70 | 13.0 | 1268.0 | 5117 |
| | | 4-26-71 | 12.0 | 1269.0 | 5117 |
| 28S/12E-25R01M | 877.0 | 10-26-70 | 21.3 | 855.7 | 5117 |
| | | 4-13-71 | 11.0 | 866.0 | 5117 |
| 28S/13E-04K01M | 1199.5 | 11-19-70 | 54.8 | 1144.7 | 5117 |
| | | 4-22-71 | 46.5 | 1153.0 | 5117 |
| 28S/13E-04K02M | 1195.0 | 11-19-70 | 116.0 | 1079.0 | 5117 |
| | | 4-22-71 | 80.1 | 1114.9 | 5117 |
| 28S/13E-31K01M | 884.8 | 10-26-70 | 25.0 | 859.8 | 5117 |
| | | 4-13-71 | 4.0 | 880.8 | 5117 |
| 28S/16E-23M01M | 1440.0 | 11-17-70 | 33.7 | 1406.3 | 5117 |
| | | 4-26-71 | 31.7 | 1408.3 | 5117 |
| 29S/13E-05F03M | 915.6 | 10-26-70 | 17.6 | 898.0 | 5117 |
| | | 4-13-71 | 13.5 | 902.1 | 5117 |
| 29S/13E-05K02M | 928.5 | 10-26-70 | 15.0 | 913.5 | 5117 |
| | | 4-13-71 | 17.8 | 910.7 | 5117 |
| 29S/13E-06A01M | 920.0 | 10-26-70 | 64.0 | 856.0 | 5117 |
| | | 4-13-71 | 40.0 | 880.0 | 5117 |
| 29S/13E-08M01M | 945.0 | 10-26-70 | 11.5 | 933.5 | 5117 |
| 29S/13E-19H01M | 1002.1 | 10-26-70 | 16.5 | 985.6 | 5117 |
| | | 4-12-71 | 7.5 | 994.6 | 5117 |
| SEASIDE AREA 3-04.08 | | | | | |
| 14S/02E-31M01M | 119.9 | 10-09-70 | 131.8 | -11.9 | 5005 |
| | | 4-18-71 | 123.5 | -3.6 | 5005 |
| | | 5-18-71 | 125.5 | -5.6 | 5005 |
| 15S/01E-14N01M | 144.6 | 10-09-70 | 128.1 | 16.5 | 5005 |
| | | 4-18-71 | 120.6 | 24.0 | 5005 |
| | | 5-18-71 | 126.0 | 18.6 | 5005 |
| CARMEL VALLEY 3-07.00 | | | | | |
| 16S/01E-16L01M | 75.0 | 10-00-70 | 18.3 | 56.7 | 2100 |
| | | 12-00-70 | 19.3 | 55.7 | 2100 |
| | | 2-00-71 | 17.4 | 57.6 | 2100 |
| | | 3-00-71 | 17.3 | 57.7 | 2100 |
| | | 4-00-71 | 18.7 | 56.3 | 2100 |
| | | 5-00-71 | 21.0 | 54.0 | 2100 |
| | | 6-00-71 | 18.3 | 56.7 | 2100 |
| | | 7-00-71 | 23.7 | 51.3 | 2100 |
| | | 8-00-71 | (1) | | 2100 |
| | | 9-00-71 | 19.2 | 55.8 | 2100 |
| 16S/01E-22E01M | 82.0 | 2-00-71 | 27.1 | 54.9 | 2100 |
| | | 3-00-71 | 26.7 | 55.3 | 2100 |
| | | 4-00-71 | 28.2 | 53.8 | 2100 |
| | | 5-00-71 | (1) | | 2100 |
| | | 6-00-71 | 27.5 | 54.5 | 2100 |
| | | 7-00-71 | 28.3 | 53.7 | 2100 |
| | | 8-00-71 | 29.5 | 52.5 | 2100 |
| | | 9-00-71 | 30.0 | 52.0 | 2100 |
| 16S/01E-23F01M | 109.0 | 10-00-70 | 29.0 | 80.0 | 2100 |
| | | 12-00-70 | 30.3 | 78.7 | 2100 |
| | | 2-00-71 | 27.3 | 81.7 | 2100 |
| | | 3-00-71 | 27.7 | 81.3 | 2100 |
| | | 4-00-71 | 27.4 | 81.6 | 2100 |
| | | 5-00-71 | 25.8 | 83.2 | 2100 |
| | | 6-00-71 | 27.2 | 81.8 | 2100 |
| | | 7-00-71 | 26.7 | 82.3 | 2100 |
| | | 8-00-71 | 30.1 | 78.9 | 2100 |
| | | 9-00-71 | 34.1 | 74.9 | 2100 |
| 16S/01E-25B01M | 140.0 | 10-00-70 | 16.5 | 123.5 | 2100 |
| | | 12-00-70 | 18.5 | 121.5 | 2100 |
| | | 2-00-71 | 16.8 | 123.2 | 2100 |
| | | 3-00-71 | 16.7 | 123.3 | 2100 |
| | | 4-00-71 | 16.6 | 123.4 | 2100 |
| | | 5-00-71 | 17.0 | 123.0 | 2100 |
| | | 7-00-71 | 17.0 | 123.0 | 2100 |
| | | 8-00-71 | (1) | | 2100 |
| | | 9-00-71 | (1) | | 2100 |

# Appendix D: SURFACE WATER QUALITY

# INTRODUCTION

This appendix contains surface water quality data collected from October 1, 1970, through September 30, 1971. The data were collected from 74 stream and estuarine stations in the Central Coastal Area by the U. S. Bureau of Reclamation, the U. S. Geological Survey, Santa Cruz County, and the Department of Water Resources. Only those stations from which data are collected routinely are shown on Figure D-1. The U. S. Bureau of Reclamation data were collected for its Delta-San Luis Drainage Surveillance Program and are basically confined to the Sacramento-San Joaquin Delta and Suisun Bay, the latter being included in this report.

The Department of Water Resources Laboratory uses procedures from "Standard Methods for the Examination of Water and Wastewater", 13th Edition, 1971, for the determination of mineral, nutrient, and biological constituents. Pesticides are determined in accordance with the "Guide to the Analysis of Pesticide Residues", U. S. Department of Health, Education and Welfare, 1965.

The U. S. Air Force at McClellan Air Force Base provides laboratory services for the Bureau of Reclamation. It uses procedures in accordance with the "FWPCA Methods for Chemical Analysis of Water and Wastes", November 1968, for all parameters.

Two numbering systems are used in this bulletin for identifying water quality stations. The first is for those stations for which the flow of water can be measured readily, as in streams and rivers. This system is described in Department of Water Resources Bulletin No. 157, "Index of Stream Gaging Stations in and Adjacent to California, 1970".

The second numbering system is used for those stations located in broad water bodies. This system is described as follows: The first two digits identify the hydrographic area as shown on the next page. The third digit identifies the type of water body, and for this publication is a "B" for Bay, "D" for Delta, "O" for Ocean, and "S" for Slough. The next digit is the last digit of the latitude in degrees, "3" for 33°, or "9" for 29°. The next three digits are the minutes of latitude to the tenth of a minute. The last four digits are longitude in the same manner as latitude.

<u>Example</u>: EO B 807.3 145.6

| | |
|---|---|
| EO | San Francisco Bay |
| B | Water Body -- Bay |
| 8 | 28° Latitude |
| 07.3 | 07.3 Minutes Latitude |
| 1 | 121° Longitude |
| 45.6 | 45.6 Minutes Longitude |

TABLE D-1

# SAMPLING STATION DATA AND INDEX

| Station | Station Number | Location: Latitude ° ' " | Location: Longitude ° ' " | Beginning of Record | Frequency of Sampling | Data on pages indicated, Tables D-2 | D-3 | D-4 | D-5 | D-6 | D-7 | D-8 | D-9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APTOS CREEK BELOW VALENCIA CREEK AT APTOS | D0 2020.00 | 36 58 26 | 121 54 10 | March 1970 | Semiannually | 46 | 60 | 75 | | | | | |
| ARROYO SECO NEAR SOLEDAD | D2 1450.00 | 36 16 42 | 121 19 30 | April 1969 | Bimonthly | 47 | 62 | | 81 | | | | |
| ARROYO VALLE NEAR LIVERMORE | E5 1400.00 | 37 37 24 | 121 45 28 | March 1950 | Special | 57 | 72 | | | | | | |
| BIG RIVER NEAR MENDOCINO | F8 2720.00 | 39 18 48 | 123 42 12 | Jan. 1959 | Bimonthly | 57 | | | | | | | |
| BLANCO DRAIN AT PUMP LIFT | D2 1030.30 | 36 42 36 | 121 44 36 | May 1970 | Continuous | | 62 | | 80 | | 84 | | |
| BODFISH CREEK AT HIGHWAY 152 | D1 1330.00 | 37 00 48 | 121 37 54 | April 1969 | Special | 47 | | | | | | | |
| BRANCIFORTE CREEK AT SANTA CRUZ | D0 1100.00 | 36 59 10 | 122 00 47 | March 1970 | Semiannually | 45 | 60 | 75 | | | | | |
| CARMEL RIVER AT HIGHWAY 1 | D4 1010.50 | 36 32 12 | 121 54 42 | April 1969 | Special | | 63 | | 81 | | | | |
| CARMEL RIVER AT ROBLES DEL RIO | D4 1200.00 | 36 28 30 | 121 43 36 | Jan. 1959 | Semiannually | 48 | 63 | | | | | | |
| CARNADERO CREEK AT BLOOMFIELD AVENUE | D1 1320.00 | 36 57 54 | 121 32 00 | April 1969 | Special | 47 | | | | | | | |
| CARQUINEZ STRAIT AT CROCKETT | E0 B 803.5 213.3 | 38 03 28 | 122 13 18 | 1946 | Four-Day | | | | | | | | 93 |
| CARQUINEZ STRAIT AT MARTINEZ | E0 B 801.9 207.8 | 38 01 55 | 122 07 46 | 1926 | Four-Day | | | | | | | | 93 |
| CHADBOURNE SLOUGH AT CHADBOURNE ROAD | E0 S 811.0 204.8 | 38 10 57 | 122 04 50 | Jan. 1967 | Monthly | 55 | 71 | 78 | | | | | |
| CORDELIA SLOUGH AT CYGNUS | E0 S 809.2 205.3 | 38 09 10 | 122 05 19 | Jan. 1967 | Monthly | 54 | 70 | 78 | | | | | |
| CORDELIA SLOUGH AT UPPER END NEAR CORDELIA | E0 S 811.5 207.2 | 38 11 27 | 122 07 09 | Sept. 1967 | Monthly | 56 | 71 | 78 | | | | | |
| ELKHORN SLOUGH AT BRIDGE NEAR HALL | D1 3220.20 | 36 51 36 | 121 40 18 | March 1970 | Special | | 61 | | 80 | | | | |
| GREEN VALLEY CREEK AT CORDELIA | E3 2100.51 | 38 12 42 | 122 07 47 | Dec. 1968 | Irregular | 57 | 72 | 78 | | | | | |
| GRIZZLY BAY AT DOLPHIN NEAR SUISUN SLOUGH | E0 B 807.0 202.3 | 38 07 02 | 122 02 19 | Jan. 1968 | Semimonthly | 53 | 69 | 78 | | | | | |
| HILL SLOUGH AT GRIZZLY ISLAND ROAD | E0 S 813.6 201.2 | 38 13 34 | 122 01 14 | Jan. 1967 | Monthly | 56 | 72 | 78 | | | | | |
| HONKER BAY NEAR WHEELER POINT | E0 B 804.4 156.2 | 38 04 26 | 121 56 12 | Jan. 1968 | Semimonthly | 52 | 68 | 77 | 82 | | | | |
| LA BREA CREEK AT HIGHWAY 101 | D1 1395.50 | 36 55 42 | 121 32 48 | April 1969 | Special | 47 | | | | | | | |
| MONTEZUMA SLOUGH AT GRIZZLY ISLAND ROAD | E0 S 811.2 158.5 | 38 11 14 | 121 58 32 | Feb. 1967 | Monthly | 55 | 71 | 78 | | | | | |
| NAPA RIVER AT DUTTONS LANDING | E3 1100.50 | 38 12 28 | 122 18 20 | Sept. 1965 | Special | 56 | | 78 | | | | | |
| NAPA RIVER NEAR NAPA | E3 1250.00 | 38 22 06 | 122 18 08 | Nov. 1929 | Monthly | 56 | 72 | | | | | | |
| NAVARRO RIVER NEAR NAVARRO | F8 2100.00 | 39 10 15 | 123 39 55 | Jan. 1959 | Bimonthly | 57 | 72 | | | | | | |
| NOYO RIVER NEAR FORT BRAGG | F8 3100.00 | 39 25 40 | 123 44 10 | Jan. 1951 | Bimonthly | 58 | 73 | | | | | | |
| PAJARO RIVER NEAR CHITTENDEN | D1 1250.00 | 36 54 00 | 121 35 54 | Dec. 1951 | Continuous | 46 | 61 | | 80 | | 86 | | |
| PAJARO RIVER AT THURWACHTER ROAD | D1 1075.30 | 36 52 48 | 121 47 30 | May 1970 | Special | | 61 | | 80 | | | | |
| PESCADERO CREEK ABOVE HATFIELD CANYON | D1 1269.30 | 36 57 30 | 121 37 06 | Aug. 1971 | Special | 47 | | | | | | | |
| PESCADERO CREEK AT S.P.R.R. | D1 1261.30 | 36 54 06 | 121 35 06 | Dec. 1970 | Special | 47 | | | | | | | |
| PLANEL AGRICULTURAL DRAIN ABOVE LLAGAS CREEK | D1 1475.50 | 36 58 36 | 121 30 36 | May 1971 | Special | | 61 | | 80 | | | | |
| RUSSIAN RIVER NEAR GUERNEVILLE | F9 1100.00 | 38 30 00 | 122 56 05 | Nov. 1969 | Monthly | 58 | 73 | | | | 90 | | |
| RUSSIAN RIVER NEAR HOPLAND | F9 1765.00 | 39 01 35 | 123 07 45 | April 1951 | Special | 58 | 73 | | | | | | |
| RUSSIAN RIVER NEAR UKIAH | F9 1850.00 | 39 12 07 | 123 11 56 | | Special | 58 | 73 | | | | | | |
| SACRAMENTO RIVER AT CHIPPS ISLAND | E0 B 802.8 155.0 | 38 02 47 | 121 55 02 | Jan. 1968 | Semimonthly | 51 | 66 | 77 | | | | | |
| SACRAMENTO RIVER AT COLLINSVILLE | B9 D 804.4 151.0 | 38 04 27 | 121 50 58 | July 1958 | Four-Day | | | | | | | | 93 |
| SACRAMENTO RIVER AT PITTSBURG | B9 D 802.3 153.0 | 38 02 18 | 121 52 58 | 1945 | Four-Day | | | | | | | | 93 |
| SALINAS RECLAMATION CANAL AT AIRPORT WAY | D2 1020.70 | 36 39 42 | 121 37 18 | May 1970 | Special | | 62 | | 80 | | | | |
| SALINAS RECLAMATION CANAL AT ALISAL S.T.P. | D2 1016.50 | 36 40 06 | 121 38 06 | May 1969 | Continuous | | | | | | 88 | | |
| SALINAS RECLAMATION CANAL BELOW ALISAL SLOUGH | D2 1009.20 | 36 44 30 | 121 44 18 | Sept. 1970 | Special | | 62 | | 80 | | | | |
| SALINAS RIVER AT PASO ROBLES | D3 1450.00 | 35 37 42 | 120 41 06 | April 1951 | Annually | 48 | | | | | | | |
| SALINAS RIVER AT TWIN BRIDGES | D2 1110.50 | 36 44 00 | 121 46 42 | May 1971 | Special | | 62 | | 81 | | | | |
| SALINAS RIVER NEAR BRADLEY | D2 1850.00 | 35 55 42 | 120 52 00 | July 1958 | Semiannually | 47 | 63 | | 81 | | | | |
| SALINAS RIVER NEAR GONZALES | D2 1325.10 | 36 29 12 | 121 28 06 | May 1969 | Continuous | 47 | 62 | | 81 | 83 | 89 | | |
| SAN BENITO RIVER NEAR WILLOW CREEK SCHOOL | D1 2450.00 | 36 36 30 | 121 12 00 | July 1958 | Semiannually | 47 | 61 | | 80 | | | | |
| SAN FRANCISCO BAY AT SAN MATEO BRIDGE | E0 B 736.2 211.6 | 37 36 14 | 122 11 34 | Oct. 1964 | Monthly | 48 | 63 | 75 | 81 | | | 91 | |
| SAN FRANCISCO BAY AT SAN MATEO BRIDGE (PIER 662) | E0 B 736.2 212.0 | 37 36 10 | 122 12 00 | June 1971 | Monthly | 48 | 63 | 75 | 81 | | | 91 | |
| SAN FRANCISCO BAY AT SAN MATEO BRIDGE (SHIP CHANNEL) | E0 B 735.0 215.0 | 37 35 01 | 122 14 59 | Sept. 1969 | Monthly | 48 | 63 | 75 | 81 | | | 91 | |
| SAN FRANCISCO BAY AT TREASURE ISLAND | E0 B 749.2 222.4 | 37 49 15 | 122 22 26 | July 1965 | Monthly | 49 | 64 | 76 | 81 | | | 91 | |
| SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND | E0 B 748.1 222.4 | 37 48 04 | 122 22 25 | Sept. 1969 | Monthly | 48 | 63 | 76 | 81 | | | 91 | |
| SAN LORENZO RIVER AT BOULDER CREEK | D0 1498.01 | 37 06 47 | 122 06 40 | March 1970 | Semiannually | 46 | 60 | 75 | | | | | |
| SAN LORENZO RIVER AT PARADISE PARK | D0 1180.01 | 37 00 37 | 122 02 34 | Sept. 1969 | Continuous | 45 | 60 | 75 | | | 85 | | |
| SAN PABLO BAY NEAR MOUTH OF PETALUMA RIVER | E0 B 805.3 226.3 | 38 05 20 | 122 26 20 | March 1971 | Monthly | 53 | 68 | 77 | | | | | |
| SAN PABLO BAY NEAR PINOLE POINT | E0 B 801.8 222.3 | 38 01 50 | 122 22 15 | March 1971 | Monthly | 49 | 64 | 76 | | | | | |
| SAN PABLO BAY NEAR RODEO | E0 B 803.5 217.0 | 38 03 30 | 122 17 00 | March 1971 | Monthly | 51 | 67 | 77 | | | | | |
| SAN PABLO STRAIT WEST OF THE BROTHERS | E0 B 757.7 226.2 | 37 57 45 | 122 26 10 | Sept. 1969 | Monthly | 49 | 64 | 76 | 81 | | | 92 | |
| SARATOGA CREEK AT SARATOGA | E6 5100.00 | 37 15 17 | 122 02 17 | June 1971 | Special | 57 | 72 | | | | | | |
| SCOTT CREEK AT HIGHWAY 1 NEAR DAVENPORT | D0 4010.01 | 37 02 26 | 122 13 39 | March 1970 | Semiannually | 46 | 60 | 75 | | | | | |
| SOQUEL CREEK AT SOQUEL | D0 3100.00 | 36 59 29 | 121 57 17 | Dec. 1951 | Semiannually | 46 | 60 | 75 | | | | | |
| SPRIG LAKE OUTFLOW AT HIGHWAY 152 | D1 1333.50 | 37 00 12 | 121 40 48 | April 1969 | Special | 47 | | | | | | | |
| SUISUN BAY ABOVE AVON PIER | E0 B 803.2 204.8 | 38 03 13 | 122 04 48 | Sept. 1969 | Semiannually | 51 | 67 | | | | | | |
| SUISUN BAY AT BENICIA (MIDDLE OF PIER) | E0 B 802.5 208.1 | 38 02 29 | 122 08 05 | March 1969 | Irregular | 50 | 66 | | | | | | |
| SUISUN BAY AT NICHOLS | E0 B 803.0 159.0 | 38 03 02 | 121 58 59 | Jan. 1945 | Four-Day | | | | | | | | 93 |
| SUISUN BAY AT PORT CHICAGO | E0 B 803.4 202.3 | 38 03 24 | 122 02 20 | 1946 | Four-Day | | | | | | | | 93 |
| SUISUN BAY NEAR PRESTON POINT | E0 B 804.0 203.0 | 38 03 58 | 122 03 00 | Sept. 1968 | Monthly | 52 | 67 | | | | | | |
| SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ | E0 B 802.3 207.1 | 38 02 20 | 122 07 06 | Feb. 1968 | Semimonthly | 50 | 64 | 76 | 81 | | | | |
| SUISUN BAY OFF MIDDLE POINT NEAR NICHOLS | E0 B 803.6 159.3 | 38 03 36 | 121 59 20 | Jan. 1968 | Monthly | 52 | 67 | | | | | | |
| SUISUN SLOUGH AT VOLANTI SLOUGH ON JOICE ISLAND | E0 S 810.8 202.8 | 38 10 50 | 122 02 45 | Sept. 1968 | Montnly | 54 | 70 | 78 | | | | | |
| TEMBLADERO SLOUGH AT MERRITT LAKE DRAIN | D2 1006.60 | 36 45 06 | 121 44 12 | Aug. 1970 | Continuous | | 62 | | 80 | 83 | 87 | | |
| TEMBLADERO SLOUGH AT NASHUA ROAD | D2 1006.30 | 36 46 18 | 121 47 12 | May 1970 | Special | | 61 | | 80 | | | | |
| UVAS CREEK NEAR MORGAN HILL BELOW UVAS DAM | D1 1371.50 | 37 03 36 | 121 40 18 | July 1952 | Semiannually | 47 | 61 | | 80 | | | | |
| WALNUT CREEK AT HIGHWAY 4 AT CONCORD | E4 4180.01 | 37 59 57 | 122 03 18 | June 1971 | Special | 57 | 72 | | | | | | |
| WATSONVILLE SLOUGH AT SAN ANDRES ROAD | D1 1006.30 | 36 53 18 | 121 48 12 | May 1971 | Special | | 60 | | 80 | | | | |
| ZAYANTE CREEK AT FELTON | D0 1220.01 | 37 02 53 | 122 04 00 | March 1970 | Semiannually | 46 | 60 | 75 | | | | | |

HYDROGRAPHIC AREA DESIGNATIONS IN THE CENTRAL COASTAL AREA

Central Coastal Area

- D0 Santa Cruz
- D1 Pajaro-San Benito Rivers
- D2 Lower Salinas River
- D3 Upper Salinas River
- D4 Monterey Coast

San Francisco Bay Area

- E0 San Francisco Bay
- E1 Coast-Marin
- E2 Marin-Sonoma
- E3 Napa-Solano
- E4 East Bay
- E5 Alameda Creek
- E6 Santa Clara Valley
- E7 Bayside-San Mateo
- E8 Coast-San Mateo

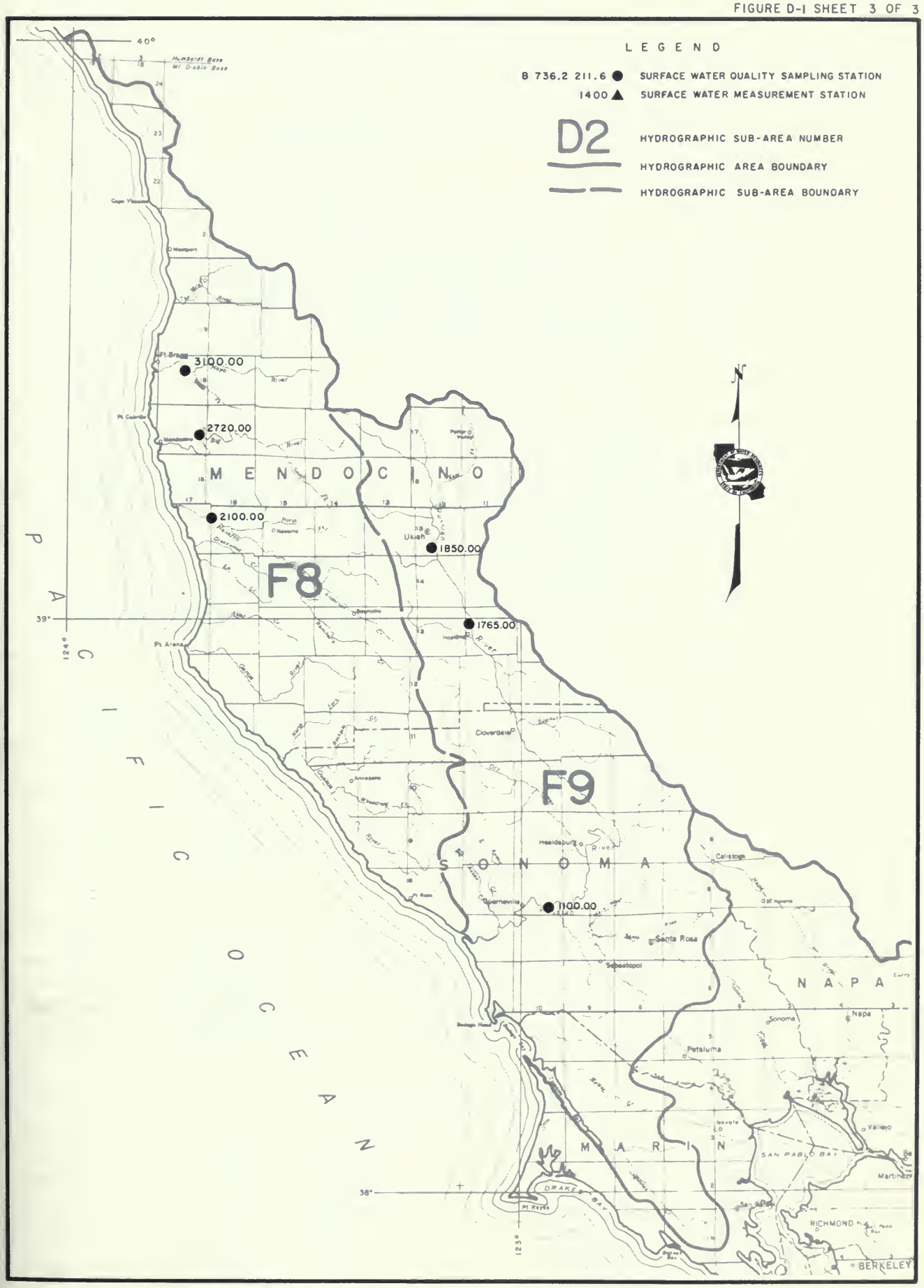
North Coastal Area

- F8 Mendocino Coast
- F9 Russian River

SURFACE WATER OBSERVATION STATIONS 1970-71

FIGURE D-1 SHEET 2 OF 3

SONOMA
NAPA
SOLANO
MARIN
CONTRA COSTA
SAN FRANCISCO
ALAMEDA
SAN MATEO
SANTA CLARA
SANTA CRUZ
PACIFIC OCEAN
E1
E2
E3
E4
E0
E5
E6
E7
E8
1400
1250.00
1100.50
2100.51
S 813.6 201.2
S 811.5 207.2
S 811.2 158.5
S 811.0 204.8
S 809.2 205.3
S 810.8 202.8
B 805.3 226.3
B 807.0 202.3
B 803.6 159.3
1100
B 804.0 203.0
B 804.4 156.2
B 803.2 209.8
B 802.8 155.0
B 803.5 217.0
3300
B 802.3 207.1
B 801.8 222.3
B 802.5 208.1
4180.01
B 757.7 226.2
B 757.7 225.6
B 749.2 222.4
B 748.1 222.4
1400.00
B 736.2 211.6
B 736.2 212.0
B 735.0 215.0
5100.00
Santa Rosa
Sebastopol
Petaluma
Sonoma
Napa
Fairfield
Novato
Vallejo
Benicia
Richmond
Berkeley
Oakland
San Leandro
Livermore
Fremont
Niles
Palo Alto
San Jose
Los Gatos
Morgan Hill
Gilroy
Santa Cruz
Watsonville
Pt. Reyes
Bodega Bay
Tomales Bay
Drakes Bay
Half Moon Bay
Pescadero Pt.
SAN PABLO BAY
Suisun Bay
Carquinez Str.
Golden Gate
San Pablo Res.
Walnut Cr.
Calistoga
Healdsburg
Santa Rosa Cr.
Petaluma Cr.
Sonoma Cr.
Napa R.
Russian R.
Alameda Cr.
Coyote Creek
Pescadero Cr.
Santa Cruz Terminal Facilities
Calero Res.
Coyote Res.
Anderson Res.
Almaden Res.
Lexington Res.
Los Gatos Cr.
Guadalupe R.
Pajaro R.
Salinas R.
Santa Ana R.
Watsonville Slough
College L.
Soquel
Aptos
Capitola
Santa Cruz Harbor
Moss Landing
Elkhorn Slough
Monterey Bay
Pt. Pinos
Pt. Lobos
Carmel Bay
Carmel R.
Monterey
Pacific Grove
Pebble Beach
Pescadero Pt.
Pescadero
Pescadero Cr.
Tomales
Bodega
Sebastopol
Cotati
Rohnert Park
Petaluma
Novato
San Rafael
Mill Valley
Sausalito
Tiburon
Belvedere
Corte Madera
Larkspur
Kentfield
Ross
San Anselmo
Fairfax
Lagunitas
Olema
Point Reyes Station
Inverness
Stinson Beach
Muir Woods
Mt. Tamalpais
Mt. Diablo
Mt. Hamilton
Mt. Sanhedrin
Mt. Vaca
Mt. Veeder




SURFACE WATER OBSERVATION STATIONS 1970-71

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

## Lab and Sampler Agency Codes

5000 - U. S. Geological Survey
5001 - U. S. Bureau of Reclamation
5006 - McClellan Air Force Base Laboratory
5050 - Department of Water Resources
5063 - Santa Cruz County Health Department

## Abbreviations

TIME - Pacific Standard Time on a 24-hour clock

G.H. - Instantaneous gage height in feet above an established datum
Q - Instantaneous discharge measured in cubic feet per second
DEPTH - Depth at which sample was collected

DO - Dissolved oxygen content in milligrams per liter
SAT - Percent of normal dissolved oxygen saturation

TEMP - Water temperature in degrees Fahrenheit (F) and Celsius (C)

PH - Measure of acidity or alkalinity of water

EC - Electrical conductance in micromhos at 25° C

TDS - Gravimetric determination of total dissolved solids at 180° C
SUM - Total dissolved solids by summation of analyzed constituents

TH - Total hardness
NCH - Noncarbonate hardness - any excess of total hardness over total alkalinity

TURB - Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hach Nephelometer (A)

SAR - Sodium adsorption ratio

PERCENT REACTANCE VALUE is determined by dividing the sum of the cations or anions in milliequivalents per liter into each constituent in milliequivalents per liter arriving at a percentage. For a partial analysis, an approximate value is determined by multiplying the electrical conductance by 0.01 and using that as the cation or anion sum.

## Mineral Constituents

| | | | | | |
|---|---|---|---|---|---|
| B | - | Boron | K | - | Potassium |
| CA | - | Calcium | MG | - | Magnesium |
| CL | - | Chloride | NA | - | Sodium |
| CO3 | - | Carbonate | NO3 | - | Nitrate |
| F | - | Fluoride | SIO2 | - | Silica |
| HCO3 | - | Bicarbonate | SO4 | - | Sulfate |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
| | 00 | 1100.00 | | | BRANCIFORTE CREEK AT SANTA CRUZ | | | | | | | | | | | | | | | |
| 03/15/71 | 5063 | | 10.5 | 54 F | 7.5 | 273 | 22 | 7.8 | 17 | -- | .0 | 71 | -- | 17 | 3.1 | -- | -- | 173 | 87 | 30E |
| 1530 | 5050 | | 98 | 12 C | 7.7 | 262 | 1.10 | .64 | .74 | | .00 | 1.16 | | .48 | .05 | | -- | | 29 | 0.8 |
| | | | | | | | 42 | 24 | 28 | | | 44 | | 18 | 2 | | | | | |
| 05/18/71 | 5063 | | 10.0 | 62.0F | 7.8 | 422 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1300 | | | 102 | 16.7C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | | 9.5 | 57.0F | 8.0 | 485 | 44 | 15 | 30 | -- | .0 | 186 | -- | 29 | 1.9 | -- | -- | 283 | 172 | 30E |
| 1230 | 5050 | | 92 | 13.9C | 8.1 | 469 | 2.20 | 1.24 | 1.31 | | .00 | 3.05 | | .82 | .03 | | -- | | 20 | 1.0 |
| | | | | | | | 47 | 26 | 28 | | | 65 | | 17 | 1 | | | | | |
| | 00 | 1180.01 | | | SAN LORENZO RIVER AT PARADISE PARK | | | | | | | | | | | | | | | |
| 10/06/70 | 5063 | | 10.5 | 59 F | 7.8 | 320 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0950 | | | 104 | 15 C | | | | | | | | | | | | | -- | | | |
| 10/19/70 | 5063 | | 13.0 | 55 F | 7.9 | 325 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1330 | | | 122 | 13 C | | | | | | | | | | | | | -- | | | |
| 11/05/70 | 5063 | | 10.0 | 57 F | 7.8 | 321 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1115 | | | 96 | 14 C | | | | | | | | | | | | | -- | | | |
| 11/16/70 | 5063 | | 12.5 | 49 F | 7.9 | 355 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1045 | | | 109 | 9 C | | | | | | | | | | | | | -- | | | |
| 11/30/70 | 5063 | | 10.5 | 52 F | 8.0 | 245 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1035 | | | 95 | 11 C | | | | | | | | | | | | | -- | | | |
| 12/14/70 | 5063 | | 13.5 | 47 F | 7.6 | 317 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1120 | | | 115 | 8 C | | | | | | | | | | | | | -- | | | |
| 12/22/70 | 5063 | | 12.0 | 50 F | 7.7 | 222 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1120 | | | 106 | 10 C | | | | | | | | | | | | | -- | | | |
| 01/11/71 | 5063 | | 11.5 | 48 F | 7.8 | 298 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1105 | | | 99 | 9 C | | | | | | | | | | | | | -- | | | |
| 01/25/71 | 5063 | | 13.5 | 48 F | 7.9 | 340 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1100 | | | 116 | 9 C | | | | | | | | | | | | | -- | | | |
| 02/08/71 | 5063 | | 13.5 | 49 F | 7.8 | 355 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1413 | | | 118 | 9 C | | | | | | | | | | | | | -- | | | |
| 02/23/71 | 5063 | | 12.0 | 50 F | 8.3 | 357 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1320 | | | 106 | 10 C | | | | | | | | | | | | | -- | | | |
| 03/10/71 | 5063 | | 13.0 | 49 F | 8.0 | 368 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1305 | | | 113 | 9 C | | | | | | | | | | | | | -- | | | |
| 03/15/71 | 5063 | | 10.5 | 52 F | 7.8 | 289 | 32 | 7.6 | 16 | -- | .0 | 100 | -- | 14 | .6 | -- | -- | 180 | 111 | 35E |
| 1200 | 5050 | | 95 | 11 C | 7.8 | 297 | 1.60 | .63 | .70 | | .00 | 1.64 | | .39 | .01 | | -- | | 30 | 0.7 |
| | | | | | | | 53 | 21 | 23 | | | 55 | | 13 | | | | | | |
| 04/01/71 | 5063 | | 10.5 | 48 F | 8.0 | 329 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1000 | | | 90 | 9 C | | | | | | | | | | | | | -- | | | |
| 04/12/71 | 5063 | | 12.0 | 53 F | 8.1 | 349 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1010 | | | 110 | 12 C | | | | | | | | | | | | | -- | | | |
| 04/27/71 | 5063 | | 11.5 | 57 F | 8.2 | 358 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1230 | | | 111 | 14 C | | | | | | | | | | | | | -- | | | |
| 05/10/71 | 5063 | | 11.5 | 56 F | 7.9 | 362 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0935 | | | 110 | 13 C | | | | | | | | | | | | | -- | | | |
| 05/18/71 | 5063 | | 11.5 | 64.0F | 8.1 | 355 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1220 | | | 120 | 17.8C | | | | | | | | | | | | | -- | | | |
| 05/25/71 | 5063 | | 11.0 | 58 F | 7.9 | 355 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0945 | | | 107 | 14 C | | | | | | | | | | | | | -- | | | |
| 06/07/71 | 5063 | | 11.5 | 63 F | 8.1 | 372 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1130 | | | 119 | 17 C | | | | | | | | | | | | | -- | | | |
| 06/23/71 | 5063 | | 11.0 | 67 F | 8.0 | 372 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1130 | | | 119 | 19 C | | | | | | | | | | | | | -- | | | |
| 07/12/71 | 5063 | | 11.0 | 72 F | 8.2 | 365 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1400 | | | 125 | 22 C | | | | | | | | | | | | | -- | | | |
| 07/26/71 | 5063 | | 10.0 | 70 F | 8.2 | 360 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1310 | | | 112 | 21 C | | | | | | | | | | | | | -- | | | |
| 08/09/71 | 5063 | | 10.0 | 74 F | 8.2 | 357 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1420 | | | 116 | 23 C | | | | | | | | | | | | | -- | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | | |
| | D0 | 1180.01 | | | SAN LORENZO RIVER AT PARADISE PARK | | | | | | | | | CONTINUED | | | | | | |
| 08/26/71 | 5063 | | 9.5 | 73 F | 8.3 | 350 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1445 | | | 109 | 23 C | | | | | | | | | | | | | -- | | | |
| 09/13/71 | 5063 | | 11.0 | 68 F | 8.1 | 360 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1215 | | | 120 | 20 C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | | 10.5 | 54.0F | 7.9 | 350 | 38 | 9.7 | 19 | -- | .0 | 132 | -- | 24 | 1.1 | -- | -- | 218 | 135 | 3E |
| 1010 | 5050 | | 98 | 12.2C | 8.0 | 354 | 1.90 | .80 | .83 | | .00 | 2.16 | | .68 | .02 | | -- | | 27 | 0.7 |
| | | | | | | | 53 | 22 | 23 | | | 60 | | 19 | 1 | | | | | |
| | D0 | 1220.01 | | | ZAYANTE CREEK AT FELTON | | | | | | | | | | | | | | | |
| 03/15/71 | 5063 | | 12.0 | 51 F | 7.7 | 372 | 40 | 9.7 | 20 | -- | .0 | 119 | -- | 4.0 | 1.2 | -- | -- | 223 | 140 | 550E |
| 1110 | 5050 | | 107 | 11 C | 7.9 | 367 | 2.00 | .80 | .87 | | .00 | 1.95 | | .11 | .02 | | -- | | 43 | 0.7 |
| | | | | | | | 54 | 22 | 24 | | | 53 | | 3 | 1 | | | | | |
| 05/18/71 | 5063 | | 10.5 | 56.0F | 7.7 | 380 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1050 | | | 100 | 13.3C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | | 10.0 | 52.0F | 7.8 | 380 | 43 | 7.9 | 25 | -- | .0 | 126 | -- | 26 | 1.9 | -- | -- | 244 | 140 | 2E |
| 0940 | 5050 | | 91 | 11.1C | 8.1 | 3770 | 2.15 | .65 | 1.09 | | .00 | 2.07 | | .73 | .03 | | -- | | 37 | 0.9 |
| | | | | | | | 6 | 2 | 3 | | | 5 | | 2 | | | | | | |
| | D0 | 1498.01 | | | SAN LORENZO RIVER AT BOULDER CREEK | | | | | | | | | | | | | | | |
| 03/15/71 | 5063 | 2.22 | 10.5 | 47 F | 7.6 | 315 | 32 | 1.2 | 17 | -- | .0 | 98 | -- | 14 | .4 | -- | -- | 184 | 85 | 80E |
| 1000 | 5050 | 3.5 | 89 | 8 C | 7.8 | 306 | 1.60 | .10 | .74 | | .00 | 1.61 | | .39 | .01 | | -- | | 5 | 0.8 |
| | | | | | | | 52 | 3 | 24 | | | 52 | | 13 | | | | | | |
| 05/18/71 | 5063 | | 10.5 | 57.0F | 7.9 | 393 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1000 | | | 101 | 13.9C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | | 9.0 | 54.0F | 7.8 | 520 | 50 | 14 | 35 | -- | .0 | 184 | -- | 46 | .7 | -- | -- | 296 | 184 | 15E |
| 0900 | 5050 | | 84 | 12.2C | 8.1 | 514 | 2.50 | 1.18 | 1.52 | | .00 | 3.02 | | 1.30 | .01 | | -- | | 33 | 1.1 |
| | | | | | | | 48 | 23 | 29 | | | 58 | | 25 | | | | | | |
| | D0 | 2020.00 | | | APTOS CREEK BELOW VALENCIA CREEK AT APTOS | | | | | | | | | | | | | | | |
| 03/15/71 | 5063 | 3.24 | 10.5 | 53 F | 8.1 | 555 | 49 | 23 | 39 | -- | .0 | 208 | -- | 25 | .4 | -- | -- | 346 | 218 | 100E |
| 1350 | 5050 | 5.3 | 96 | 12 C | 8.3 | 550 | 2.45 | 1.91 | 1.70 | | .00 | 3.41 | | .71 | .01 | | -- | | 48 | 1.2 |
| | | | | | | | 45 | 35 | 31 | | | 62 | | 13 | | | | | | |
| 05/18/71 | 5063 | | 9.5 | 61.0F | 8.2 | 660 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1400 | | | 96 | 16.1C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | | 9.0 | 57.0F | 8.3 | 670 | 70 | 33 | 66 | -- | 5.0 | 306 | -- | 74 | .4 | -- | -- | 533 | 311 | 2E |
| 1350 | 5050 | | 87 | 13.9C | 8.4 | 863 | 3.49 | 2.72 | 2.87 | | .17 | 5.02 | | 2.09 | .01 | | -- | | 51 | 1.6 |
| | | | | | | | 40 | 32 | 33 | | 2 | 58 | | 24 | | | | | | |
| | D0 | 3100.00 | | | SOQUEL CREEK AT SOQUEL | | | | | | | | | | | | | | | |
| 03/15/71 | 5063 | 2.86 | 10.5 | 58 F | 8.1 | 538 | 56 | 16 | 31 | -- | .0 | 174 | -- | 26 | .3 | -- | -- | 334 | 208 | 12E |
| 1430 | 5050 | 35 | 102 | 14 C | 8.1 | 525 | 2.79 | 1.37 | 1.35 | | .00 | 2.85 | | .73 | .00 | | -- | | 66 | 0.9 |
| | | | | | | | 50 | 25 | 24 | | | 51 | | 13 | | | | | | |
| 05/18/71 | 5063 | 2.62 | 10.5 | 72.0F | 8.2 | 675 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1330 | | | 120 | 22.2C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | 2.48 | 10.0 | 66.0F | 8.4 | 710 | 70 | 25 | 44 | -- | 6.0 | 224 | -- | 58 | .1 | -- | -- | 457 | 278 | 1E |
| 1300 | 5050 | | 107 | 18.9C | 8.5 | 705 | 3.49 | 2.06 | 1.91 | | .20 | 3.67 | | 1.64 | .00 | | -- | | 84 | 1.1 |
| | | | | | | | 47 | 27 | 25 | | 3 | 49 | | 22 | | | | | | |
| | D0 | 4010.01 | | | SCOTT CREEK AT HIGHWAY 1 NEAR DAVENPORT | | | | | | | | | | | | | | | |
| 03/15/71 | 5063 | | 11.0 | 48 F | 7.1 | 173 | 14 | 4.9 | 19 | -- | .0 | 58 | -- | 23 | .2 | -- | -- | 124 | 55 | 15E |
| 0900 | 5050 | | 95 | 9 C | 7.5 | 212 | .70 | .40 | .83 | | .00 | .95 | | .65 | .00 | | -- | | 8 | 1.1 |
| | | | | | | | 33 | 19 | 39 | | | 45 | | 31 | | | | | | |
| 05/18/71 | 5063 | | 10.0 | 52.0F | 7.1 | 420 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0830 | | | 91 | 11.1C | | | | | | | | | | | | | -- | | | |
| 09/27/71 | 5063 | | 8.0 | 53.0F | 7.4 | 1150 | 18 | 12 | 78 | -- | .0 | 114 | -- | 101 | .2 | -- | -- | 349 | 95 | 2E |
| 0750 | 5050 | | 73 | 11.7C | 7.8 | 611 | .90 | 1.00 | 3.39 | | .00 | 1.87 | | 2.85 | .00 | | -- | | 2 | 3.5 |
| | | | | | | | 15 | 16 | 55 | | | 31 | | 47 | | | | | | |
| | D1 | 1250.00 | | | PAJARO RIVER AT CHITTENDEN | | | | | | | | | | | | | | | |
| 11/05/70 | 5050 | 2.34 | 8.0 | 59.0F | 8.0 | 1510 | -- | -- | 171 | -- | .0 | 557 | -- | 185 | -- | 1.00 | -- | | 554 | |
| 0815 | 5050 | | 79 | 15.0C | 8.0 | 1650 | | | 7.44 | | .00 | 9.13 | | 5.22 | | | -- | | | |
| | | | | | | | | | 45 | | | 55 | | 32 | | | | | | |
| 01/07/71 | 5050 | 3.12 | 12.0 | 44.0F | 8.1 | 1000 | -- | -- | 83 | -- | .0 | 303 | -- | 80 | -- | .50 | -- | | 377 | |
| 1045 | 5050 | | 98 | 6.7C | 8.0 | 1000 | | | 3.61 | | .00 | 4.97 | | 2.26 | | | -- | | | |
| | | | | | | | | | 36 | | | 50 | | 23 | | | | | | |
| 03/04/71 | 5050 | 2.66 | 12.1 | 58 F | 7.6 | 1200 | 84 | 67 | 95 | 2.1 | .0 | 396 | 212 | 94 | 30.0 | .50 | -- | 800 | 486 | |
| 1230 | 5050 | | 118 | 14 C | 7.7 | 1230 | 4.19 | 5.51 | 4.13 | .05 | .00 | 6.49 | 4.41 | 2.65 | .48 | | -- | 779 | 161 | 1.9 |
| | | | | | | | 30 | 40 | 30 | | | 46 | 31 | 19 | 3 | | | | | |
| 05/11/71 | 5050 | 2.72 | 7.9 | 60 F | 8.0 | 1100 | 82 | 71 | 117 | -- | .0 | 419 | -- | 100 | 26.0 | -- | -- | | 500 | |
| 0810 | 5050 | | 79 | 16 C | 8.3 | 1310 | 4.09 | 5.90 | 5.09 | | .00 | 6.87 | | 2.82 | .42 | | -- | | 156 | 2.3 |
| | | | | | | | 31 | 45 | 39 | | | 52 | | 22 | 3 | | | | | |
| 07/08/71 | 5050 | 2.36 | 9.6 | 70 F | 8.2 | 1100 | 74 | 64 | 132 | 2.8 | 29 | 389 | 192 | 109 | 8.5 | .60 | -- | 844 | 440 | |
| 1100 | 5050 | | 107 | 21 C | 8.8 | 1310 | 3.69 | 5.26 | 5.74 | .07 | .97 | 6.38 | 4.00 | 3.07 | .14 | | -- | 803 | 80 | 2.7 |
| | | | | | | | 25 | 36 | 39 | | 7 | 44 | 27 | 21 | 1 | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D1 | 1261.30 | | | | | PESCADERO CREEK AT S.P.R.R. | | | | | | | | | | | | | |
| 12/02/70 | 5050 | | 12.0 | 50 F | 7.5 | 580 | 39 | 16 | 67 | 2.9 | 2.0 | 187 | 45 | 71 | 5.2 | 2.00 | -- | 347 | 162 | |
| 1510 | 5050 | | 106 | 10 C | 8.4 | 611 | 1.95 | 1.32 | 2.91 | .07 | .07 | 3.06 | .94 | 2.00 | .08 | | -- | 342 | 7 | 2.3 |
| | | | | | | | 31 | 21 | 47 | 1 | 1 | 50 | 15 | 33 | 1 | | | | | |
| | D1 | 1269.30 | | | | | PESCADERO CREEK ABOVE HATFIELD CANYON | | | | | | | | | | | | | |
| 08/26/71 | 5050 | | | | | | 19 | 145 | 2500 | 40 | 256 | 1700 | .0 | 3000 | .2 | 118 | -- | 6770 | 646 | |
| 1310 | 5050 | | | | 8.8 | 10200 | .95 | 11.92 | 108.75 | 1.02 | 8.53 | 27.86 | .00 | 84.60 | .00 | | -- | 6914 | 1177 | 42.9 |
| | | | | | | | 1 | 10 | 89 | 1 | 7 | 23 | | 70 | | | | | | |
| | D1 | 1320.00 | | | | | CARNADERO CREEK AT BLOOMFIELD AVENUE | | | | | | | | | | | | | |
| 12/04/70 | 5050 | | 11.1 | 54 F | 7.7 | 240 | 30 | 15 | 14 | -- | .0 | 138 | -- | 14 | 3.8 | .20 | -- | | 138 | |
| 0935 | 5050 | | 103 | 12 C | 7.9 | 323 | 1.50 | 1.26 | .61 | | .00 | 2.26 | | .39 | .06 | | -- | | 25 | 0.5 |
| | | | | | | | 46 | 39 | 19 | | | 70 | | 12 | 2 | | | | | |
| | D1 | 1330.00 | | | | | BODFISH CREEK AT HIGHWAY 152 | | | | | | | | | | | | | |
| 12/04/70 | 5050 | | 11.9 | 53 F | 7.4 | 300 | 29 | 15 | 20 | -- | .0 | 130 | -- | 22 | 4.0 | .20 | -- | | 137 | |
| 1010 | 5050 | | 109 | 12 C | 7.8 | 354 | 1.45 | 1.29 | .87 | | .00 | 2.13 | | .62 | .06 | | -- | | 31 | 0.7 |
| | | | | | | | 41 | 36 | 25 | | | 60 | | 18 | 2 | | | | | |
| | D1 | 1333.50 | | | | | SPRIG LAKE OUTFLOW AT HIGHWAY 152 | | | | | | | | | | | | | |
| 12/04/70 | 5050 | | 12.1 | 52 F | 7.3 | 210 | 22 | 14 | 12 | -- | .0 | 103 | -- | 13 | 2.2 | .20 | -- | | 113 | |
| 1030 | 5050 | | 110 | 11 C | 7.9 | 271 | 1.10 | 1.16 | .52 | | .00 | 1.69 | | .37 | .04 | | -- | | 29 | 0.5 |
| | | | | | | | 41 | 43 | 19 | | | 62 | | 14 | 1 | | | | | |
| | D1 | 1371.50 | | | | | UVAS CREEK NR MORGAN HILL BL UVAS DAM | | | | | | | | | | | | | |
| 03/04/71 | 5050 | | 13.6 | 55 F | 7.8 | 250 | 34 | 16 | 9.8 | .9 | .0 | 159 | 24 | 7.0 | .2 | .00 | -- | 172 | 150 | |
| 1345 | 5050 | | 128 | 13 C | 8.0 | 318 | 1.70 | 1.32 | .43 | .02 | .00 | 2.61 | .50 | .20 | .00 | | -- | 170 | 21 | 0.3 |
| | | | | | | | 49 | 38 | 12 | 1 | | 79 | 15 | 6 | | | | | | |
| 07/08/71 | 5050 | | 10.3 | 65 F | 7.8 | 230 | 32 | 17 | 8.8 | .8 | .0 | 160 | 24 | 5.9 | .4 | .10 | -- | 182 | 148 | |
| 1300 | 5050 | | 109 | 18 C | 8.2 | 314 | 1.60 | 1.40 | .38 | .02 | .00 | 2.62 | .50 | .17 | .01 | | -- | 168 | 19 | 0.3 |
| | | | | | | | 47 | 41 | 11 | 1 | | 79 | 15 | 5 | | | | | | |
| | D1 | 1395.50 | | | | | LA BREA CREEK AT HIGHWAY 101 | | | | | | | | | | | | | |
| 12/03/70 | 5050 | | 11.2 | 51 F | 7.3 | 620 | 37 | 28 | 42 | -- | .0 | 211 | -- | 54 | 12.0 | .90 | -- | | 210 | |
| 1535 | 5050 | | 400 | 11 C | 7.9 | 584 | 1.85 | 2.35 | 1.83 | | .00 | 3.46 | | 1.52 | .19 | | -- | | 37 | 1.3 |
| | | | | | | | 32 | 40 | 31 | | | 59 | | 26 | 3 | | | | | |
| | D1 | 2450.00 | | | | | SAN BENITO RIVER NR WILLOW CREEK SCHOOL | | | | | | | | | | | | | |
| 03/04/71 | 5050 | 2.97 | 11.9 | 58 F | 8.4 | 1300 | 23 | 102 | 166 | 3.6 | .0 | 441 | 295 | 111 | .1 | 1.30 | -- | 915 | 476 | |
| 1500 | 5050 | | 116 | 14 C | 8.3 | 1470 | 1.15 | 8.39 | 7.22 | .09 | .00 | 7.23 | 6.14 | 3.13 | .00 | | -- | 919 | 116 | 3.3 |
| | | | | | | | 7 | 50 | 43 | 1 | | 44 | 37 | 19 | | | | | | |
| 07/07/71 | 5050 | 3.05 | 8.8 | 78 F | 8.8 | 1180 | 18 | 109 | 119 | 2.6 | 29 | 446 | 238 | 74 | .1 | 1.30 | -- | 862 | 494 | |
| 1245 | 5050 | | 107 | 26 C | 8.7 | 1330 | .90 | 8.96 | 5.18 | .07 | .97 | 7.31 | 4.96 | 2.09 | .00 | | -- | 810 | 79 | 2.3 |
| | | | | | | | 6 | 59 | 34 | | 6 | 48 | 32 | 14 | | | | | | |
| | D2 | 1325.10 | | | | | SALINAS RIVER NR GONZALES | | | | | | | | | | | | | |
| 11/04/70 | 5050 | | 10.2 | 58.0F | 8.4 | 470 | -- | -- | 38 | -- | .0 | 196 | -- | 31 | -- | .20 | -- | | 245 | |
| 1145 | 5050 | | 100 | 14.4C | 8.1 | 585 | | | 1.65 | | .00 | 3.21 | | .87 | | | -- | | | |
| | | | | | | | | | 28 | | | 55 | | 15 | | | | | | |
| 01/06/71 | 5050 | | 12.9 | 44.0F | 8.3 | 950 | -- | -- | 65 | -- | .0 | 251 | -- | 58 | -- | .30 | -- | | 342 | |
| 1345 | 5050 | | 105 | 6.7C | 8.1 | 877 | | | 2.83 | | .00 | 4.11 | | 1.64 | | | -- | | | |
| | | | | | | | | | 32 | | | 47 | | 19 | | | | | | |
| 03/04/71 | 5050 | | 11.9 | 53 F | 7.6 | 1080 | 114 | 39 | 93 | 4.1 | .0 | 270 | 301 | 85 | 12.0 | .30 | -- | 821 | 445 | |
| 1100 | 5050 | | 109 | 12 C | 7.7 | 1190 | 5.69 | 3.21 | 4.05 | .10 | .00 | 4.43 | 6.27 | 2.40 | .19 | | -- | 781 | 224 | 1.9 |
| | | | | | | | 44 | 25 | 31 | 1 | | 33 | 47 | 18 | 1 | | | | | |
| 05/11/71 | 5050 | | 10.5 | 68 F | 8.4 | 600 | 60 | 26 | 54 | -- | 10 | 187 | -- | 38 | 1.9 | -- | -- | | 258 | |
| 1200 | 5050 | | 115 | 20 C | 8.7 | 682 | 2.99 | 2.16 | 2.35 | | .33 | 3.06 | | 1.07 | .03 | | -- | | 88 | 1.5 |
| | | | | | | | 44 | 32 | 34 | | 5 | 45 | | 16 | | | | | | |
| 07/07/71 | 5050 | | 8.8 | 71 F | 8.0 | 280 | 38 | 15 | 21 | 1.8 | .0 | 152 | 58 | 15 | .6 | .10 | -- | 231 | 158 | |
| 1520 | 5050 | | 99 | 22 C | 8.3 | 400 | 1.90 | 1.23 | .91 | .05 | .00 | 2.49 | 1.21 | .42 | .01 | | -- | 224 | 32 | 0.7 |
| | | | | | | | 46 | 30 | 22 | 1 | | 60 | 29 | 10 | | | | | | |
| | D2 | 1450.00 | | | | | ARROYO SECO NR SOLEDAD | | | | | | | | | | | | | |
| 11/04/70 | 5050 | 3.31 | 7.4 | 58.0F | 7.7 | 520 | -- | -- | 38 | -- | .0 | 218 | -- | 20 | -- | .10 | -- | | 275 | |
| 1045 | 5050 | | 72 | 14.4C | 8.3 | 659 | | | 1.65 | | .00 | 3.57 | | .56 | | | -- | | | |
| | | | | | | | | | 25 | | | 54 | | 8 | | | | | | |
| 01/06/71 | 5050 | | 14.0 | 40.0F | 7.9 | 370 | -- | -- | 13 | -- | .0 | 124 | -- | 7.1 | -- | .00 | -- | | 135 | |
| 1245 | 5050 | | 108 | 4.4C | 8.3 | 309 | | | .57 | | .00 | 2.03 | | .20 | | | -- | | | |
| | | | | | | | | | 18 | | | 66 | | 6 | | | | | | |
| 03/04/71 | 5050 | 3.80 | 11.5 | 54 F | 7.8 | 320 | 48 | 12 | 16 | 2.0 | .0 | 154 | 63 | 7.7 | .0 | .00 | -- | 244 | 170 | |
| 1630 | 5050 | | 107 | 12 C | 8.0 | 391 | 2.40 | .99 | .70 | .05 | .00 | 2.52 | 1.31 | .22 | .00 | | -- | 224 | 44 | 0.5 |
| | | | | | | | 58 | 24 | 17 | 1 | | 62 | 32 | 5 | | | | | | |
| 05/11/71 | 5050 | 3.72 | 9.9 | 69 F | 8.2 | 320 | 46 | 12 | 18 | -- | 6.0 | 152 | -- | 6.6 | .0 | -- | -- | | 168 | |
| 1335 | 5050 | | 109 | 21 C | 8.6 | 399 | 2.30 | 1.06 | .78 | | .20 | 2.49 | | .19 | .00 | | -- | | 34 | 0.6 |
| | | | | | | | 58 | 27 | 20 | | 5 | 62 | | 5 | | | | | | |
| 07/07/71 | 5050 | 3.35 | 13.3 | 74 F | 8.0 | 310 | 53 | 15 | 26 | 2.7 | 3.0 | 168 | 88 | 10 | .0 | .10 | -- | 292 | 195 | |
| 1440 | 5050 | | 155 | 23 C | 8.4 | 486 | 2.64 | 1.23 | 1.13 | .07 | .10 | 2.75 | 1.83 | .28 | .00 | | -- | 280 | 51 | 0.8 |
| | | | | | | | 52 | 24 | 22 | 1 | 2 | 55 | 37 | 6 | | | | | | |
| | D2 | 1850.00 | | | | | SALINAS RIVER NR BRADLEY | | | | | | | | | | | | | |
| 03/04/71 | 5050 | | 10.6 | 56 F | 7.8 | 300 | 44 | 13 | 14 | 3.1 | .0 | 145 | 56 | 10 | 1.2 | .00 | -- | 236 | 163 | |
| 1735 | 5050 | 2075 | 101 | 13 C | 7.9 | 378 | 2.20 | 1.07 | .61 | .08 | .00 | 2.38 | 1.17 | .28 | .02 | | -- | 213 | 45 | 0.5 |
| | | | | | | | 56 | 27 | 15 | 2 | | 62 | 30 | 7 | 1 | | | | | |
| 07/07/71 | 5050 | 5.67 | 10.1 | 65 F | 7.4 | 220 | 31 | 13 | 11 | 1.0 | .0 | 131 | 36 | 7.5 | .0 | .10 | -- | 184 | 129 | |
| 1035 | 5050 | | 107 | 18 C | 8.1 | 294 | 1.55 | 1.07 | .48 | .03 | .00 | 2.15 | .75 | .21 | .00 | | -- | 164 | 24 | 0.4 |
| | | | | | | | 50 | 34 | 15 | 1 | | 69 | 24 | 7 | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | D3 1450.00 | | | SALINAS RIVER AT PASO ROBLES | | | | | | | | | | | | | | | |
| 03/04/71 | 5050 | | 10.8 | 54 F | 7.8 | 575 | 82 | 31 | 53 | 1.6 | .0 | 276 | 130 | 59 | .9 | .00 | -- | 495 | 331 | |
| 1820 | 5050 | 20 | 100 | 12 C | 8.1 | 819 | 4.09 | 2.55 | 2.31 | .04 | .00 | 4.52 | 2.71 | 1.66 | .01 | | -- | 493 | 106 | 1.3 |
| | | | | | | | 45 | 28 | 26 | | | 51 | 30 | 19 | | | | | | |
| | | D4 1200.00 | | | CARMEL RIVER AT ROBLES DEL RIO | | | | | | | | | | | | | | | |
| 03/04/71 | 5050 | 3.38 | 9.9 | 54 F | 7.5 | 400 | 56 | 18 | 41 | 2.7 | .0 | 178 | 88 | 47 | .0 | .00 | -- | 355 | 215 | |
| 0945 | 5050 | | 92 | 12 C | 7.7 | 592 | 2.79 | 1.48 | 1.78 | .07 | .00 | 2.92 | 1.83 | 1.33 | .00 | | -- | 340 | 68 | 1.2 |
| | | | | | | | 46 | 24 | 29 | 1 | | 48 | 30 | 22 | | | | | | |
| 07/08/71 | 5050 | 3.04 | 6.9 | 56 F | 7.2 | 350 | 56 | 17 | 39 | 2.0 | .0 | 176 | 86 | 41 | .0 | .00 | -- | 353 | 212 | |
| 0700 | 5050 | | 66 | 13 C | 7.9 | 583 | 2.79 | 1.40 | 1.70 | .05 | .00 | 2.88 | 1.79 | 1.16 | .00 | | -- | 328 | 66 | 1.2 |
| | | | | | | | 47 | 24 | 29 | 1 | | 49 | 31 | 20 | | | | | | |
| | | E0 B 735.0 215.0 | | | SAN FRANCISCO BAY AT SAN MATEO BRIDGE SHIP CHANNEL | | | | | | | | | | | | | | | |
| 03/16/71 | 5050 | | 9.4 | 53 F | 8.0 | 37000 | -- | -- | -- | -- | -- | -- | -- | 13500 | -- | -- | -- | 24400 | | 30E |
| 1020 | 5050 | | 86 | 12 C | | 32200 | | | | | | | | 380.70 | | | -- | | | |
| | | | | | | | | | | | | | | 136 | | | | | | |
| 04/13/71 | 5050 | | 9.3 | 58 F | 8.1 | 36000 | -- | -- | -- | -- | -- | -- | -- | 13100 | -- | -- | -- | 24000 | | 15E |
| 0920 | 5050 | | 91 | 14 C | | 33700 | | | | | | | | 369.42 | | | 3.2 | | | |
| | | | | | | | | | | | | | | 126 | | | | | | |
| 06/23/71 | 5050 | | 7.5 | 65 F | 8.3 | 39000 | -- | -- | -- | -- | -- | -- | -- | 14400 | -- | -- | -- | 29200 | | 6E |
| 0810 | 5050 | | 79 | 18 C | | 36400 | | | | | | | | 406.08 | | | -- | | | |
| | | | | | | | | | | | | | | 128 | | | | | | |
| 07/08/71 | 5050 | | 8.4 | 67 F | 8.2 | 40000 | -- | -- | -- | -- | -- | -- | -- | 14800 | -- | -- | -- | 29900 | | 4E |
| 0820 | 5050 | | 91 | 19 C | | 38100 | | | | | | | | 417.36 | | | -- | | | |
| | | | | | | | | | | | | | | 126 | | | | | | |
| 08/10/71 | 5050 | | 6.9 | 70 F | 8.0 | | -- | -- | -- | -- | -- | -- | -- | 15900 | -- | -- | -- | 30400 | | 8E |
| 1030 | 5050 | | 77 | 21 C | | 39500 | | | | | | | | 448.38 | | | -- | | | |
| | | | | | | | | | | | | | | 131 | | | | | | |
| 09/21/71 | 5050 | | 6.3 | 70 F | 8.1 | | -- | -- | -- | -- | -- | -- | -- | 15300 | -- | -- | -- | 30600 | | 9E |
| 0915 | 5050 | | 70 | 21 C | | 41900 | | | | | | | | 431.46 | | | -- | | | |
| | | | | | | | | | | | | | | 118 | | | | | | |
| | | E0 B 736.2 211.6 | | | SAN FRANCISCO BAY AT SAN MATEO BRIDGE | | | | | | | | | | | | | | | |
| 10/21/70 | 5050 | | 7.5 | 61 F | 7.9 | 42000 | -- | -- | -- | -- | -- | -- | -- | 17400 | -- | -- | -- | 32300 | | 6E |
| 1000 | 5050 | | 76 | 16 C | | 43700 | | | | | | | | 490.68 | | | -- | | | |
| | | | | | | | | | | | | | | 112 | | | | | | |
| 11/17/70 | 5050 | | 7.0 | 59 F | 8.2 | 41000 | -- | -- | -- | -- | -- | -- | -- | 16900 | -- | -- | -- | 30800 | | 10E |
| 0950 | 5050 | | 69 | 15 C | | 41800 | | | | | | | | 476.58 | | | -- | | | |
| | | | | | | | | | | | | | | 114 | | | | | | |
| 12/16/70 | 5050 | | 8.7 | 52 F | 7.7 | 32000 | -- | -- | -- | -- | -- | -- | -- | 12300 | -- | -- | -- | 22800 | | 25E |
| 0815 | 5050 | | 79 | 11 C | | 33000 | | | | | | | | 346.86 | | | -- | | | |
| | | | | | | | | | | | | | | 105 | | | | | | |
| 01/28/71 | 5050 | | 9.0 | 51 F | 8.0 | 30500 | -- | -- | -- | -- | -- | -- | -- | 11600 | -- | -- | -- | 21100 | | 45E |
| 0750 | 5050 | | 81 | 11 C | | 29100 | | | | | | | | 327.12 | | | -- | | | |
| | | | | | | | | | | | | | | 112 | | | | | | |
| 02/17/71 | 5050 | | 9.2 | 54 F | 8.0 | 33000 | -- | -- | -- | -- | -- | -- | -- | 12100 | -- | -- | -- | 21800 | | 20E |
| 1330 | 5050 | | 86 | 12 C | | 29200 | | | | | | | | 341.22 | | | -- | | | |
| | | | | | | | | | | | | | | 117 | | | | | | |
| 05/11/71 | 5050 | | 8.4 | 57.0F | 7.9 | 40000 | -- | -- | -- | -- | -- | -- | -- | 12800 | -- | -- | -- | 25400 | | 40E |
| 0810 | 5050 | | 81 | 13.9C | | 31800 | | | | | | | | 360.96 | | | -- | | | |
| | | | | | | | | | | | | | | 113 | | | | | | |
| | | E0 B 736.2 212.0 | | | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (PIER 662) | | | | | | | | | | | | | | | |
| 06/23/71 | 5050 | | 8.1 | 65 F | 8.4 | 39000 | -- | -- | -- | -- | -- | -- | -- | 14800 | -- | -- | -- | 30000 | | 8E |
| 0845 | 5050 | | 86 | 18 C | | 37400 | | | | | | | | 417.36 | | | -- | | | |
| | | | | | | | | | | | | | | 112 | | | | | | |
| 07/08/71 | 5050 | | 9.7 | 65 F | 8.2 | 40000 | -- | -- | -- | -- | -- | -- | -- | 15200 | -- | -- | -- | 30700 | | 3E |
| 0915 | 5050 | | 103 | 18 C | | 38000 | | | | | | | | 428.64 | | | -- | | | |
| | | | | | | | | | | | | | | 113 | | | | | | |
| 08/10/71 | 5050 | | 8.0 | 70 F | 8.1 | | -- | -- | -- | -- | -- | -- | -- | 16200 | -- | -- | -- | 31000 | | 9E |
| 1115 | 5050 | | 89 | 21 C | | 40100 | | | | | | | | 456.84 | | | -- | | | |
| | | | | | | | | | | | | | | 114 | | | | | | |
| 09/21/71 | 5050 | | 7.4 | 70 F | 8.3 | | -- | -- | -- | -- | -- | -- | -- | 13600 | -- | -- | -- | 32100 | | 4E |
| 1050 | 5050 | | 83 | 21 C | | 41400 | | | | | | | | 383.52 | | | -- | | | |
| | | | | | | | | | | | | | | 93 | | | | | | |
| | | E0 B 748.1 222.4 | | | SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND | | | | | | | | | | | | | | | |
| 10/21/70 | 5050 | | 7.4 | 59 F | 7.8 | 41000 | -- | -- | -- | -- | -- | -- | -- | 16000 | -- | -- | -- | 30000 | | 4E |
| 1030 | 5050 | | 73 | 15 C | | 41000 | | | | | | | | 451.20 | | | -- | | | |
| | | | | | | | | | | | | | | 127 | | | | | | |
| 11/17/70 | 5050 | | 7.6 | 58 F | 8.2 | 41000 | -- | -- | -- | -- | -- | -- | -- | 15800 | -- | -- | -- | 29100 | | 8E |
| 1100 | 5050 | | 74 | 14 C | | 40200 | | | | | | | | 445.56 | | | -- | | | |
| | | | | | | | | | | | | | | 127 | | | | | | |
| 12/16/70 | 5050 | | 8.7 | 53 F | 7.9 | 31000 | -- | -- | -- | -- | -- | -- | -- | 12000 | -- | -- | -- | 22100 | | 12E |
| 1030 | 5050 | | 80 | 12 C | | 32500 | | | | | | | | 338.40 | | | -- | | | |
| | | | | | | | | | | | | | | 120 | | | | | | |
| 01/28/71 | 5050 | | 8.3 | 50 F | 7.4 | 33000 | -- | -- | -- | -- | -- | -- | -- | 12000 | -- | -- | -- | 22100 | | 20E |
| 0730 | 5050 | | 73 | 10 C | | 30200 | | | | | | | | 338.40 | | | -- | | | |
| | | | | | | | | | | | | | | 129 | | | | | | |
| 02/17/71 | 5050 | | 8.6 | 52 F | 7.9 | 34000 | -- | -- | -- | -- | -- | -- | -- | 12200 | -- | -- | -- | 22900 | | 7E |
| 1350 | 5050 | | 78 | 11 C | | 30500 | | | | | | | | 344.04 | | | -- | | | |
| | | | | | | | | | | | | | | 130 | | | | | | |
| 03/16/71 | 5050 | | 9.3 | 52 F | 8.0 | 42000 | -- | -- | -- | -- | -- | -- | -- | 16000 | -- | -- | -- | 27100 | | 7E |
| 1005 | 5050 | | 84 | 11 C | | 37700 | | | | | | | | 451.20 | | | -- | | | |
| | | | | | | | | | | | | | | 138 | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.M. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | EO B 748.1 222.4 SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND CONTINUED | | | | | | | | | | | | | | |
| 04/13/71 | 5050 | | 9.0 | 55 F | 8.1 | 36000 | | -- | -- | -- | -- | -- | -- | -- | 12900 | -- | -- | -- | 23800 | | 7E |
| 0910 | 5050 | | 85 | 13 C | | 33900 | | | | | | | | | 363.78 | | | -- | | | |
| | | | | | | | | | | | | | | | 123 | | | | | | |
| 05/11/71 | 5050 | | 8.2 | 60.5F | 8.0 | 35000 | | -- | -- | -- | -- | -- | -- | -- | 14100 | -- | -- | -- | 27600 | | 15E |
| 0812 | 5050 | | 82 | 15.8C | | 36800 | | | | | | | | | 397.62 | | | -- | | | |
| | | | | | | | | | | | | | | | 124 | | | | | | |
| | | | | | | | EO B 749.2 222.4 SAN FRANCISCO BAY AT TREASURE ISLAND | | | | | | | | | | | | | | |
| 06/23/71 | 5050 | | 6.4 | 59 F | 8.2 | 40500 | | -- | -- | -- | -- | -- | -- | -- | 15800 | -- | -- | -- | 32100 | | 9E |
| 0700 | 5050 | | 63 | 15 C | | 39200 | | | | | | | | | 445.56 | | | -- | | | |
| | | | | | | | | | | | | | | | 114 | | | | | | |
| 07/08/71 | 5050 | | 7.3 | 61 F | 7.7 | 43000 | | -- | -- | -- | -- | -- | -- | -- | 15400 | -- | -- | -- | 31900 | | 7E |
| 0640 | 5050 | | 74 | 16 C | | 39800 | | | | | | | | | 434.28 | | | -- | | | |
| | | | | | | | | | | | | | | | 109 | | | | | | |
| 08/10/71 | 5050 | | 5.9 | 64 F | 7.9 | | | -- | -- | -- | -- | -- | -- | -- | 16400 | -- | -- | -- | 31700 | | 6E |
| 0900 | 5050 | | 62 | 18 C | | 41500 | | | | | | | | | 462.48 | | | -- | | | |
| | | | | | | | | | | | | | | | 111 | | | | | | |
| 09/21/71 | 5050 | | 7.0 | 63 F | 7.9 | | | -- | -- | -- | -- | -- | -- | -- | 15500 | -- | -- | -- | 29800 | | 3E |
| 0715 | 5050 | | 72 | 17 C | | 40100 | | | | | | | | | 437.10 | | | -- | | | |
| | | | | | | | | | | | | | | | 109 | | | | | | |
| | | | | | | | EO B 757.7 226.2 SAN PABLO STRAIT WEST OF THE BROTHERS | | | | | | | | | | | | | | |
| 10/21/70 | 5050 | | 8.2 | 60 F | 7.9 | 35000 | | -- | -- | -- | -- | -- | -- | -- | 13500 | -- | -- | -- | 25100 | | 3E |
| 1120 | 5050 | | 82 | 16 C | | 35500 | | | | | | | | | 380.70 | | | -- | | | |
| | | | | | | | | | | | | | | | 123 | | | | | | |
| 11/17/70 | 5050 | | 7.8 | 59 F | 8.2 | 38000 | | -- | -- | -- | -- | -- | -- | -- | 13600 | -- | -- | -- | 24600 | | 6E |
| 1145 | 5050 | | 77 | 15 C | | 35300 | | | | | | | | | 383.52 | | | -- | | | |
| | | | | | | | | | | | | | | | 125 | | | | | | |
| 12/16/70 | 5050 | | 9.7 | 51 F | 7.5 | 13000 | | -- | -- | -- | -- | -- | -- | -- | 4460 | -- | -- | -- | 8000 | | 20E |
| 1220 | 5050 | | 87 | 11 C | | 13700 | | | | | | | | | 125.77 | | | -- | | | |
| | | | | | | | | | | | | | | | 106 | | | | | | |
| 01/28/71 | 5050 | | 8.6 | 50 F | 7.5 | 28000 | | -- | -- | -- | -- | -- | -- | -- | 9780 | -- | -- | -- | 18100 | | 25E |
| 1000 | 5050 | | 76 | 10 C | | 25600 | | | | | | | | | 275.80 | | | -- | | | |
| | | | | | | | | | | | | | | | 124 | | | | | | |
| 02/17/71 | 5050 | | 9.7 | 52 F | 7.8 | 21000 | | -- | -- | -- | -- | -- | -- | -- | 6350 | -- | -- | -- | 12400 | | 15E |
| 1450 | 5050 | | 88 | 11 C | | 18500 | | | | | | | | | 179.07 | | | -- | | | |
| | | | | | | | | | | | | | | | 111 | | | | | | |
| 03/16/71 | 5050 | | 9.5 | 53 F | 7.8 | 15000 | | -- | -- | -- | -- | -- | -- | -- | 8800 | -- | -- | -- | 14900 | | 10E |
| 1050 | 5050 | | 87 | 12 C | | 22600 | | | | | | | | | 248.16 | | | -- | | | |
| | | | | | | | | | | | | | | | 126 | | | | | | |
| 04/13/71 | 5050 | | 9.0 | 56 F | 7.8 | 21500 | | -- | -- | -- | -- | -- | -- | -- | 6740 | -- | -- | -- | 13100 | | 25E |
| 1010 | 5050 | | 86 | 13 C | | 20100 | | | | | | | | | 190.07 | | | -- | | | |
| | | | | | | | | | | | | | | | 109 | | | | | | |
| 05/11/71 | 5050 | | 8.8 | 59.0F | 7.8 | 20800 | | -- | -- | -- | -- | -- | -- | -- | 9000 | -- | -- | -- | 17500 | | 30E |
| 1000 | 5050 | | 87 | 15.0C | | 25200 | | | | | | | | | 253.80 | | | -- | | | |
| | | | | | | | | | | | | | | | 116 | | | | | | |
| | | | | | | | EO B 801.8 222.3 SAN PABLO BAY NEAR PINOLE POINT | | | | | | | | | | | | | | |
| 03/24/71 | 5001 | | 9.0 | 54 F | 7.7 | | | -- | -- | -- | -- | -- | -- | -- | 13500 | 1.3 | -- | -- | | | 14A |
| 1130 | 5006 | | 83 | 12 C | | 38100 | | | | | | | | | 380.70 | .02 | | -- | | | |
| | | 3 | | | | | | | | | | | | | 100 | | | | | | |
| 04/21/71 | 5001 | | 10.2 | 55 F | 7.8 | | | -- | -- | -- | -- | .0 | 105 | -- | 9500 | 1.3 | -- | -- | | | 13A |
| 1055 | 5006 | | 96 | 13 C | | 27300 | | | | | | .00 | 1.72 | | 267.90 | .02 | | 8.0 | | | |
| | | 3 | | | | | | | | | | | 1 | | 98 | | | | | | |
| 05/19/71 | 5001 | | 9.3 | 61 F | 7.9 | | | -- | -- | -- | -- | .0 | 61 | -- | 8600 | 1.3 | -- | -- | | | 8A |
| 1130 | 5006 | | 94 | 16 C | | 25500 | | | | | | .00 | 1.00 | | 242.52 | .02 | | 8.7 | | | |
| | | 3 | | | | | | | | | | | | | 95 | | | | | | |
| 06/16/71 | 5001 | | 8.5 | 63 F | 7.5 | | | -- | -- | -- | -- | .0 | 108 | -- | 9500 | .9 | -- | -- | | | 6A |
| 0930 | 5006 | | 87 | 17 C | | 27800 | | | | | | .00 | 1.77 | | 267.90 | .01 | | 8.4 | | | |
| | | 3 | | | | | | | | | | | 1 | | 96 | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | OO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER | | | | | MILLIEQUIVALENTS PER LITER | | | MILLIGRAMS PER LITER | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
| | | | | | | | PERCENT REACTANCE VALUE | | | | | | | | | | | | |
| E0 3 801.8 222.3 | | | | | SAN PABLO BAY NEAR PINOLE POINT | | | | | | | | | CONTINUED | | | | | |
| 07/15/71 | 5001 | | 8.6 | 64 F | 7.8 | | -- | -- | -- | -- | .0 | 113 | -- | 11000 | 1.3 | -- | -- | | 4A |
| 0950 | 5006 | | 90 | 18 C | | 32500 | | | | | .00 | 1.85 | | 310.20 | .02 | | 6.6 | | |
| | | 3 | | | | | | | | | | 1 | | 95 | | | | | |
| 08/17/71 | 5001 | | 8.2 | 66 F | 8.1 | | -- | -- | -- | -- | .0 | 118 | -- | 14200 | 1.3 | -- | -- | | 10A |
| 1430 | 5006 | | 88 | 19 C | | 36200 | | | | | .00 | 1.93 | | 400.44 | .02 | | 4.2 | | |
| | | 3 | | | | | | | | | | 1 | | 111 | | | | | |
| 09/15/71 | 5001 | | 7.8 | 70 F | 7.8 | | -- | -- | -- | -- | .0 | 74 | -- | 12200 | .9 | -- | -- | | 6A |
| 1310 | 5006 | | 87 | 21 C | | 34700 | | | | | .00 | 1.21 | | 344.04 | .01 | | 4.8 | | |
| | | 3 | | | | | | | | | | | | 99 | | | | | |
| E0 B 802.3 207.1 | | | | | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 9.2 | 63 F | 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | .4 | -- | -- | | 28A |
| 1045 | 5006 | | 95 | 17 C | | 15100 | | | | | | | | | .01 | | 2.0 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 11/20/70 | 5001 | | 8.4 | 59 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | .7 | -- | -- | | 22A |
| 1035 | 5006 | | 83 | 15 C | | 16500 | | | | | | | | | .01 | | 11.0 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 01/12/71 | 5001 | | | 48 F | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 0850 | 5006 | | | 9 C | | 7050 | | | | | | | | | | | -- | | |
| 02/09/71 | 5001 | | | 52 F | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 1330 | 5006 | | | 11 C | | 10300 | | | | | | | | | | | -- | | |
| 03/04/71 | 5001 | | 10.8 | 50 F | 6.7 | | -- | -- | -- | -- | .0 | 96 | -- | -- | .9 | -- | -- | | 28A |
| 0825 | 5006 | | 95 | 10 C | | 14800 | | | | | .00 | 1.57 | | | .01 | | 14.0 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| 03/24/71 | 5001 | | 9.6 | 55 F | 7.5 | | -- | -- | -- | -- | .0 | 98 | -- | -- | -- | -- | -- | | 50A |
| 1300 | 5006 | | 91 | 13 C | | 18200 | | | | | .00 | 1.61 | | | | | 8.1 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| 04/06/71 | 5001 | | 10.0 | 59 F | 7.7 | | -- | -- | -- | -- | .0 | 79 | -- | -- | .9 | -- | -- | | 30A |
| 1130 | 5006 | | 99 | 15 C | | 7350 | | | | | .00 | 1.29 | | | .01 | | 13.0 | | |
| | | 3 | | | | | | | | | | 2 | | | | | | | |
| 04/21/71 | 5001 | | 10.3 | 57 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 39A |
| 1205 | 5006 | | 100 | 14 C | | 7470 | | | | | | | | | | | 13.0 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 05/04/71 | 5001 | | 9.2 | 57 F | 7.5 | | -- | -- | -- | -- | .0 | 79 | -- | -- | .8 | -- | -- | | 32A |
| 1105 | 5006 | | 89 | 14 C | | 14400 | | | | | .00 | 1.29 | | | .01 | | 13.0 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| 05/11/71 | 5001 | | | 63 F | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 1155 | 5006 | | | 17 C | | 1270 | | | | | | | | | | | -- | | |
| 05/19/71 | 5001 | | 9.7 | 64 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 21A |
| 1245 | 5006 | | 102 | 18 C | | 8360 | | | | | | | | | | | 12.0 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 06/02/71 | 5001 | | 9.3 | 63 F | 7.8 | | -- | -- | -- | -- | .0 | 79 | -- | -- | .4 | -- | -- | | 19A |
| 1105 | 5006 | | 96 | 17 C | | 7240 | | | | | .00 | 1.29 | | | .01 | | 11.0 | | |
| | | 3 | | | | | | | | | | 2 | | | | | | | |
| 06/16/71 | 5001 | | 9.9 | 66 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 20A |
| 1100 | 5006 | | 106 | 19 C | | 6870 | | | | | | | | | | | 12.0 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 06/30/71 | 5001 | | 9.0 | 68 F | 7.5 | | -- | -- | -- | -- | .0 | 78 | -- | -- | .9 | -- | -- | | 18A |
| 0925 | 5006 | | 98 | 20 C | | 10200 | | | | | .00 | 1.28 | | | .01 | | 10.0 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| 07/15/71 | 5001 | | 9.0 | 68 F | 7.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 11A |
| 1115 | 5006 | | 98 | 20 C | | 14700 | | | | | | | | | | | 7.4 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 08/03/71 | 5001 | | 9.3 | 70 F | 8.0 | | -- | -- | -- | -- | .0 | 80 | -- | -- | .7 | -- | -- | | 16A |
| 1345 | 5006 | | 104 | 21 C | | 17800 | | | | | .00 | 1.31 | | | .01 | | 3.6 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| 08/10/71 | 5001 | | | 73 F | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 1230 | 5006 | | | 23 C | | 10700 | | | | | | | | | | | -- | | |
| 08/17/71 | 5001 | | 8.5 | 70 F | 8.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 17A |
| 1535 | 5006 | | 95 | 21 C | | 18400 | | | | | | | | | | | 1.8 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 08/31/71 | 5001 | | 9.4 | 70 F | 7.9 | | -- | -- | -- | -- | .0 | 69 | -- | -- | .7 | -- | -- | | 20A |
| 1245 | 5006 | | 105 | 21 C | | 11900 | | | | | .00 | 1.13 | | | .01 | | 10.0 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| 09/15/71 | 5001 | | 7.5 | 73 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | 18A |
| 1415 | 5006 | | 87 | 23 C | | 15500 | | | | | | | | | | | 6.9 | | |
| | | 3 | | | | | | | | | | | | | | | | | |
| 09/28/71 | 5001 | | 8.6 | 64 F | 7.7 | | -- | -- | -- | -- | .0 | 90 | -- | -- | .7 | -- | -- | | 22A |
| 1050 | 5006 | | 90 | 18 C | | 11300 | | | | | .00 | 1.48 | | | .01 | | 9.5 | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | |
| E0 B 802.5 208.1 | | | | | SUISUN BAY AT BENICIA (MIDDLE OF PIER) | | | | | | | | | | | | | | |
| 06/03/71 | 5050 | | | 61 F | 7.8 | 500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | |
| 1015 | | | | 16 C | | | | | | | | | | | | | -- | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E0 B 802.8 155.0 SACRAMENTO RIVER AT CHIPPS ISLAND | | | | | | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 9.3 | 63 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | .4 | -- | -- | | | 55A |
| 1200 | 5006 | | 96 | 17 C | | 1550 | | | | | | | | | .01 | | 13.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 11/20/70 | 5001 | | 9.6 | 57 F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | 1.3 | -- | -- | | | 28A |
| 1130 | 5006 | | 93 | 14 C | | 361 | | | | | | | | | .02 | | 16.0 | | | |
| | | 3 | | | | | | | | | | | | | 1 | | | | | |
| 03/04/71 | 5001 | | 11.8 | 50 F | 6.8 | | -- | -- | -- | -- | .0 | 79 | -- | -- | 1.3 | -- | -- | | | 39A |
| 1000 | 5006 | | 104 | 10 C | | 663 | | | | | .00 | 1.29 | | | .02 | | 18.0 | | | |
| | | 3 | | | | | | | | | | 19 | | | | | | | | |
| 03/24/71 | 5001 | | 10.7 | 55 F | 7.4 | | -- | -- | -- | -- | .0 | 70 | -- | -- | -- | -- | -- | | | 65A |
| 1345 | 5006 | | 101 | 13 C | | 436 | | | | | .00 | 1.15 | | | | | 13.0 | | | |
| | | 3 | | | | | | | | | | 26 | | | | | | | | |
| 04/06/71 | 5001 | | 10.4 | 59 F | 7.5 | | -- | -- | -- | -- | .0 | 64 | -- | -- | .4 | -- | -- | | | 70A |
| 1245 | 5006 | | 103 | 15 C | | 140 | | | | | .00 | 1.05 | | | .01 | | 16.0 | | | |
| | | 3 | | | | | | | | | | 75 | | | 1 | | | | | |
| 04/21/71 | 5001 | | 10.6 | 57 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 28A |
| 1255 | 5006 | | 102 | 14 C | | 144 | | | | | | | | | | | 16.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/04/71 | 5001 | | 10.8 | 59 F | 7.5 | | -- | -- | -- | -- | .0 | 62 | -- | -- | .0 | -- | -- | | | 27A |
| 1305 | 5006 | | 107 | 15 C | | 179 | | | | | .00 | 1.02 | | | .00 | | 15.0 | | | |
| | | 3 | | | | | | | | | | 57 | | | | | | | | |
| 05/19/71 | 5001 | | 10.0 | 64 F | 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 17A |
| 1335 | 5006 | | 105 | 18 C | | 157 | | | | | | | | | | | 13.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/02/71 | 5001 | | 9.8 | 64 F | 7.6 | | -- | -- | -- | -- | .0 | 70 | -- | -- | .2 | -- | -- | | | 15A |
| 1235 | 5006 | | 103 | 18 C | | 172 | | | | | .00 | 1.15 | | | .00 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 67 | | | | | | | | |
| 06/16/71 | 5001 | | 10.1 | 70 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 18A |
| 1150 | 5006 | | 112 | 21 C | | 156 | | | | | | | | | | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/30/71 | 5001 | | 9.2 | 70 F | 7.5 | | -- | -- | -- | -- | .0 | 60 | -- | -- | .1 | -- | -- | | | 22A |
| 1105 | 5006 | | 102 | 21 C | | 251 | | | | | .00 | .98 | | | .00 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 39 | | | | | | | | |
| 07/15/71 | 5001 | | 9.3 | 70 F | 7.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 37A |
| 1205 | 5006 | | 104 | 21 C | | 1870 | | | | | | | | | | | 11.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/03/71 | 5001 | | 9.4 | 72 F | 8.0 | | -- | -- | -- | -- | .0 | 64 | -- | -- | .0 | -- | -- | | | 37A |
| 1520 | 5006 | | 107 | 22 C | | 2550 | | | | | .00 | 1.05 | | | .00 | | 11.0 | | | |
| | | 3 | | | | | | | | | | 4 | | | | | | | | |
| 08/17/71 | 5001 | | 9.2 | 73 F | 7.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 40A |
| 1620 | 5006 | | 106 | 23 C | | 1920 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/31/71 | 5001 | | 9.4 | 70 F | 8.0 | | -- | -- | -- | -- | .0 | 67 | -- | -- | .3 | -- | -- | | | 27A |
| 1430 | 5006 | | 105 | 21 C | | 553 | | | | | .00 | 1.10 | | | .00 | | 15.0 | | | |
| | | 3 | | | | | | | | | | 20 | | | | | | | | |
| 09/15/71 | 5001 | | 7.9 | 73 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 35A |
| 1500 | 5006 | | 91 | 23 C | | 639 | | | | | | | | | | | 13.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 09/28/71 | 5001 | | 8.7 | 64 F | 7.7 | | -- | -- | -- | -- | 7.0 | 56 | -- | -- | .3 | -- | -- | | | 26A |
| 1230 | 5006 | | 91 | 18 C | | 227 | | | | | .23 | .92 | | | .00 | | 15.0 | | | |
| | | 3 | | | | | | | | | 10 | 41 | | | | | | | | |
| E0 B 803.2 204.8 SUISUN BAY ABOVE AVON PIER | | | | | | | | | | | | | | | | | | | | |
| 10/09/70 | 5001 | | 8.9 | 66 F | 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 35A |
| 1235 | 5006 | | 95 | 19 C | | 19100 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/04/71 | 5001 | | 10.9 | 50 F | 6.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 26A |
| 0845 | 5006 | | 96 | 10 C | | 14500 | | | | | | | | | | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| E0 B 803.5 217.0 SAN PABLO BAY NEAR RODEO | | | | | | | | | | | | | | | | | | | | |
| 03/24/71 | 5001 | | 9.6 | 57 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | 8600 | 1.3 | -- | -- | | | 30A |
| 1200 | 5006 | | 93 | 14 C | | 28000 | | | | | | | | 242.52 | .02 | | 5.3 | | | |
| | | 3 | | | | | | | | | | | | 87 | | | | | | |
| 04/21/71 | 5001 | | 10.1 | 55 F | 7.7 | | -- | -- | -- | -- | .0 | 95 | -- | 6900 | .9 | -- | -- | | | 55A |
| 1120 | 5006 | | 96 | 13 C | | 20700 | | | | | .00 | 1.56 | | 194.58 | .01 | | 10.0 | | | |
| | | 3 | | | | | | | | | | 1 | | 94 | | | | | | |
| 05/19/71 | 5001 | | 8.6 | 61 F | 7.8 | | -- | -- | -- | -- | .0 | 95 | -- | 7100 | .4 | -- | -- | | | 10A |
| 1200 | 5006 | | 87 | 16 C | | 20900 | | | | | .00 | 1.56 | | 200.22 | .01 | | 8.9 | | | |
| | | 3 | | | | | | | | | | 1 | | 96 | | | | | | |
| 06/16/71 | 5001 | | 10.8 | 70 F | 7.7 | | -- | -- | -- | -- | .0 | 99 | -- | 6400 | .9 | -- | -- | | | 13A |
| 1005 | 5006 | | 120 | 21 C | | 19500 | | | | | .00 | 1.62 | | 180.48 | .01 | | 9.6 | | | |
| | | 3 | | | | | | | | | | 1 | | 93 | | | | | | |
| 07/15/71 | 5001 | | 8.4 | 64 F | 7.7 | | -- | -- | -- | -- | .0 | 107 | -- | 9500 | .9 | -- | -- | | | 14A |
| 1025 | 5006 | | 88 | 18 C | | 27900 | | | | | .00 | 1.75 | | 267.90 | .01 | | 7.4 | | | |
| | | 3 | | | | | | | | | | 1 | | 96 | | | | | | |
| 08/17/71 | 5001 | | 8.7 | 70 F | 8.2 | | -- | -- | -- | -- | .0 | 102 | -- | 9400 | .9 | -- | -- | | | 22A |
| 1500 | 5006 | | 97 | 21 C | | 27200 | | | | | .00 | 1.67 | | 265.08 | .01 | | 3.9 | | | |
| | | 3 | | | | | | | | | | 1 | | 97 | | | | | | |
| 09/15/71 | 5001 | | 7.5 | 72 F | 7.6 | | -- | -- | -- | -- | .0 | 98 | -- | 7100 | .9 | -- | -- | | | 10A |
| 1340 | 5006 | | 85 | 22 C | | 26700 | | | | | .00 | 1.61 | | 200.22 | .01 | | 6.1 | | | |
| | | 3 | | | | | | | | | | 1 | | 75 | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | MILLIGRAMS PER LITER B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E0 B 803.6 159.3 SUISUN BAY OFF MIDDLE POINT NEAR NICHOLS | | | | | | | | | | | | | | | | | | | | |
| 10/09/70 | 5001 | | 10.0 | 64 F | 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 60A |
| 1310 | 5006 | | 105 | 18 C | | 5350 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/04/71 | 5001 | | 11.7 | 50 F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 0915 | 5006 | | 103 | 10 C | | 2180 | | | | | | | | | | | 16.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/04/71 | 5001 | | 11.0 | 59 F | 7.4 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 55A |
| 1215 | 5006 | | 109 | 15 C | | 320 | | | | | | | | | | | 15.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/02/71 | 5001 | | 9.9 | 64 F | 7.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 17A |
| 1150 | 5006 | | 104 | 18 C | | 204 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/30/71 | 5001 | | 9.4 | 70 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 33A |
| 1020 | 5006 | | 105 | 21 C | | 1650 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/03/71 | 5001 | | 9.4 | 70 F | 8.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 32A |
| 1435 | 5006 | | 105 | 21 C | | 3710 | | | | | | | | | | | 8.9 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/31/71 | 5001 | | 9.7 | 72 F | 8.1 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 32A |
| 1340 | 5006 | | 110 | 22 C | | 1600 | | | | | | | | | | | 11.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 09/28/71 | 5001 | | 8.9 | 66 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 37A |
| 1145 | 5006 | | 95 | 19 C | | 888 | | | | | | | | | | | 11.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| E0 B 804.0 203.0 SUISUN BAY NEAR PRESTON POINT | | | | | | | | | | | | | | | | | | | | |
| 10/09/70 | 5001 | | 9.3 | 64 F | 7.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 38A |
| 1245 | 5006 | | 98 | 18 C | | 15500 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/04/71 | 5001 | | 11.0 | 50 F | 6.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 65A |
| 0900 | 5006 | | 97 | 10 C | | 9000 | | | | | | | | | | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/04/71 | 5001 | | 10.5 | 59 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 1150 | 5006 | | 104 | 15 C | | 2900 | | | | | | | | | | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/02/71 | 5001 | | 10.6 | 64 F | 8.1 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 27A |
| 1130 | 5006 | | 111 | 18 C | | 1180 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/30/71 | 5001 | | 9.6 | 68 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 40A |
| 0955 | 5006 | | 105 | 20 C | | 3270 | | | | | | | | | | | 7.5 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/03/71 | 5001 | | 9.1 | 70 F | 8.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 40A |
| 1415 | 5006 | | 101 | 21 C | | 11800 | | | | | | | | | | | 4.2 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/31/71 | 5001 | | 9.4 | 70 F | 7.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 34A |
| 1310 | 5006 | | 105 | 21 C | | 6760 | | | | | | | | | | | 9.2 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 09/28/71 | 5001 | | 8.9 | 64 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 37A |
| 1115 | 5006 | | 93 | 18 C | | 3330 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| E0 B 804.4 156.2 HONKER BAY NEAR WHEELER POINT | | | | | | | | | | | | | | | | | | | | |
| 10/09/70 | 5001 | | 9.3 | 64 F | 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 60A |
| 1330 | 5006 | | 98 | 18 C | | 1960 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/04/71 | 5001 | | 11.7 | 50 F | 6.8 | | -- | -- | -- | -- | .0 | 78 | -- | -- | 1.3 | -- | -- | | | 45A |
| 0935 | 5006 | | 103 | 10 C | | 609 | | | | | .00 | 1.28 | | | .02 | | 19.0 | | | |
| | | 3 | | | | | | | | | | 21 | | | | | | | | |
| 03/23/71 | 5001 | | 10.7 | 55 F | 7.1 | | -- | -- | -- | -- | .0 | 69 | -- | -- | -- | -- | -- | | | 55A |
| 1135 | 5006 | | 101 | 13 C | | 426 | | | | | .00 | 1.13 | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | 27 | | | | | | | | |
| 04/06/71 | 5001 | | 10.5 | 59 F | 7.5 | | -- | -- | -- | -- | -- | 63 | -- | -- | .0 | -- | -- | | | 70A |
| 1215 | 5006 | | 104 | 15 C | | 140 | | | | | | 1.03 | | | .00 | | 16.0 | | | |
| | | 3 | | | | | | | | | | 74 | | | | | | | | |
| 04/20/71 | 5001 | | 10.3 | 57 F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 1030 | 5006 | | 100 | 14 C | | 153 | | | | | | | | | | | 17.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/04/71 | 5001 | | 11.3 | 59 F | 7.5 | | -- | -- | -- | -- | .0 | 64 | -- | -- | .1 | -- | -- | | | 37A |
| 1240 | 5006 | | 112 | 15 C | | 174 | | | | | .00 | 1.05 | | | .00 | | 15.0 | | | |
| | | 3 | | | | | | | | | | 60 | | | | | | | | |
| 05/18/71 | 5001 | | 10.4 | 63 F | 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 22A |
| 1020 | 5006 | | 107 | 17 C | | 165 | | | | | | | | | | | 15.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/02/71 | 5001 | | 10.4 | 64 F | 7.8 | | -- | -- | -- | -- | .0 | 70 | -- | -- | .4 | -- | -- | | | 24A |
| 1210 | 5006 | | 109 | 18 C | | 175 | | | | | .00 | 1.15 | | | .01 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 66 | | | 1 | | | | | |
| 06/15/71 | 5001 | | 9.8 | 68 F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 30A |
| 0940 | 5006 | | 107 | 20 C | | 218 | | | | | | | | | | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/30/71 | 5001 | | 9.5 | 70 F | 7.5 | | -- | -- | -- | -- | .0 | 60 | -- | -- | .1 | -- | -- | | | 34A |
| 1035 | 5006 | | 106 | 21 C | | 332 | | | | | .00 | .98 | | | .00 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 30 | | | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TOS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | MILLIEQUIVALENTS PER LITER | PERCENT REACTANCE VALUE | | | MILLIGRAMS PER LITER | | | | |
| E0 8 804.4 156.2 | | | | | HONKER BAY NEAR WHEELER POINT | | | | | | | | | CONTINUED | | | | | | |
| 07/14/71 | 5001 | | 9.1 | 72 | F 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 45A |
| 0835 | 5006 | | 103 | 22 | C | 1210 | | | | | | | | | | | 8.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/03/71 | 5001 | | 9.3 | 72 | F 7.9 | | -- | -- | -- | -- | .0 | 64 | -- | -- | .1 | -- | -- | | | 55A |
| 1455 | 5006 | | 106 | 22 | C | 3160 | | | | | .00 | 1.05 | | | .00 | | 11.0 | | | |
| | | 3 | | | | | | | | | | 3 | | | | | | | | |
| 08/16/71 | 5001 | | 8.7 | 72 | F 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 60A |
| 1245 | 5006 | | 99 | 22 | C | 1830 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/31/71 | 5001 | | 9.4 | 70 | F 8.0 | | -- | -- | -- | -- | .0 | 67 | -- | -- | .3 | -- | -- | | | 37A |
| 1400 | 5006 | | 105 | 21 | C | 655 | | | | | .00 | 1.10 | | | .00 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 17 | | | | | | | | |
| 09/14/71 | 5001 | | 7.9 | 75 | F 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 37A |
| 1310 | 5006 | | 93 | 24 | C | 433 | | | | | | | | | | | 13.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 09/28/71 | 5001 | | 8.8 | 64 | F 7.7 | | -- | -- | -- | -- | .0 | 92 | -- | -- | .3 | -- | -- | | | 33A |
| 1200 | 5006 | | 92 | 18 | C | 198 | | | | | .00 | 1.51 | | | .00 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 76 | | | | | | | | |
| E0 8 805.3 226.3 | | | | | SAN PABLO BAY NEAR MOUTH OF PETALUMA RIVER | | | | | | | | | | | | | | | |
| 03/24/71 | 5001 | | 9.6 | 55 | F 7.4 | | -- | -- | -- | -- | -- | -- | -- | 9700 | 1.8 | -- | -- | | | 22A |
| 1100 | 5006 | | 91 | 13 | C | 28000 | | | | | | | | 273.54 | .03 | | -- | | | |
| | | 3 | | | | | | | | | | | | 98 | | | | | | |
| 04/21/71 | 5001 | | 10.1 | 54 | F 7.6 | | -- | -- | -- | -- | .0 | 101 | -- | 8500 | .9 | -- | -- | | | 40A |
| 1015 | 5006 | | 93 | 12 | C | 24600 | | | | | .00 | 1.66 | | 239.70 | .01 | | 8.8 | | | |
| | | 3 | | | | | | | | | | 1 | | 97 | | | | | | |
| 05/19/71 | 5001 | | 9.4 | 63 | F 7.9 | | -- | -- | -- | -- | .0 | 141 | -- | 7700 | .4 | -- | -- | | | 16A |
| 1050 | 5006 | | 97 | 17 | C | 23100 | | | | | .00 | 2.31 | | 217.14 | .01 | | 8.7 | | | |
| | | 3 | | | | | | | | | | 1 | | 94 | | | | | | |
| 06/16/71 | 5001 | | 9.6 | 66 | F 7.5 | | -- | -- | -- | -- | .0 | 106 | -- | 8300 | .9 | -- | -- | | | 8A |
| 0840 | 5006 | | 103 | 19 | C | 24000 | | | | | .00 | 1.74 | | 234.06 | .01 | | 9.6 | | | |
| | | 3 | | | | | | | | | | 1 | | 98 | | | | | | |
| 07/15/71 | 5001 | | 8.1 | 66 | F 8.1 | | -- | -- | -- | -- | .0 | 106 | -- | 8600 | .4 | -- | -- | | | 10A |
| 0915 | 5006 | | 87 | 19 | C | 26700 | | | | | .00 | 1.74 | | 242.52 | .01 | | 9.7 | | | |
| | | 3 | | | | | | | | | | 1 | | 91 | | | | | | |
| 08/17/71 | 5001 | | 8.6 | 68 | F 8.1 | | -- | -- | -- | -- | .0 | 111 | -- | 10700 | 2.2 | -- | -- | | | 70A |
| 1335 | 5006 | | 94 | 20 | C | 30300 | | | | | .00 | 1.82 | | 301.74 | .04 | | 6.8 | | | |
| | | 3 | | | | | | | | | | 1 | | 100 | | | | | | |
| 09/15/71 | 5001 | | 7.6 | 77 | F 7.9 | | -- | -- | -- | -- | .0 | 141 | -- | 9200 | .4 | -- | -- | | | 14A |
| 1240 | 5006 | | 91 | 25 | C | 26800 | | | | | .00 | 2.31 | | 259.44 | .01 | | 7.1 | | | |
| | | 3 | | | | | | | | | | 1 | | 97 | | | | | | |
| E0 8 807.0 202.3 | | | | | GRIZZLY BAY AT DOLPHIN NEAR SUISUN SLOUGH | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 9.6 | 61 | F 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | .2 | -- | -- | | | 140A |
| 1000 | 5006 | | 97 | 16 | C | 5470 | | | | | | | | | .00 | | 7.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 11/20/70 | 5001 | | 9.2 | 57 | F 7.4 | | -- | -- | -- | -- | -- | -- | -- | -- | .8 | -- | -- | | | 70A |
| 1000 | 5006 | | 89 | 14 | C | 3090 | | | | | | | | | .01 | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/04/71 | 5001 | | 11.3 | 48 | F 6.8 | | -- | -- | -- | -- | .0 | 82 | -- | -- | 1.3 | -- | -- | | | 70A |
| 0755 | 5006 | | 97 | 9 | C | 2740 | | | | | .00 | 1.34 | | | .02 | | 17.0 | | | |
| | | 3 | | | | | | | | | | 5 | | | | | | | | |
| 03/23/71 | 5001 | | 10.5 | 55 | F 7.3 | | -- | -- | -- | -- | .0 | 75 | -- | -- | -- | -- | -- | | | 70A |
| 1030 | 5006 | | 99 | 13 | C | 2420 | | | | | .00 | 1.23 | | | | | 13.0 | | | |
| | | 3 | | | | | | | | | | 5 | | | | | | | | |
| 04/06/71 | 5001 | | 10.2 | 59 | F 7.5 | | -- | -- | -- | -- | .0 | 62 | -- | -- | .0 | -- | -- | | | 80A |
| 1030 | 5006 | | 101 | 15 | C | 145 | | | | | .00 | 1.02 | | | .00 | | 16.0 | | | |
| | | 3 | | | | | | | | | | 70 | | | | | | | | |
| 04/20/71 | 5001 | | 10.1 | 57 | F 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 0955 | 5006 | | 98 | 14 | C | 188 | | | | | | | | | | | 17.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/04/71 | 5001 | | 10.5 | 57 | F 7.3 | | -- | -- | -- | -- | .0 | 63 | -- | -- | .2 | -- | -- | | | 75A |
| 1015 | 5006 | | 101 | 14 | C | 758 | | | | | .00 | 1.03 | | | .00 | | 15.0 | | | |
| | | 3 | | | | | | | | | | 14 | | | | | | | | |
| 05/18/71 | 5001 | | 10.5 | 63 | F 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 40A |
| 0920 | 5006 | | 108 | 17 | C | 286 | | | | | | | | | | | 15.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/02/71 | 5001 | | 10.0 | 63 | F 7.9 | | -- | -- | -- | -- | .0 | 63 | -- | -- | .1 | -- | -- | | | 40A |
| 1020 | 5006 | | 103 | 17 | C | 372 | | | | | .00 | 1.03 | | | .00 | | 13.0 | | | |
| | | 3 | | | | | | | | | | 28 | | | | | | | | |
| 06/15/71 | 5001 | | 9.7 | 66 | F 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 0900 | 5006 | | 104 | 19 | C | 580 | | | | | | | | | | | 14.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/30/71 | 5001 | | 9.5 | 68 | F 7.7 | | -- | -- | -- | -- | .0 | 64 | -- | -- | .2 | -- | -- | | | 60A |
| 0835 | 5006 | | 104 | 20 | C | 1550 | | | | | .00 | 1.05 | | | .00 | | -- | | | |
| | | 3 | | | | | | | | | | 7 | | | | | | | | |
| 07/14/71 | 5001 | | 9.2 | 72 | F 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 32A |
| 0745 | 5006 | | 104 | 22 | C | 3140 | | | | | | | | | | | 9.2 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/03/71 | 5001 | | 9.4 | 70 | F 7.8 | | -- | -- | -- | -- | .0 | 64 | -- | -- | .1 | -- | -- | | | 60A |
| 1300 | 5006 | | 105 | 21 | C | 7560 | | | | | .00 | 1.05 | | | .00 | | 6.6 | | | |
| | | 3 | | | | | | | | | | 1 | | | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MINERAL CONSTITUENTS IN | | | | MILLIGRAMS PER LITER | | | | | MILLIGRAMS PER LITER | | | | |
| | | | | | | | MILLIEQUIVALENTS PER LITER | | | | | | | | | | | | | |
| | | | | | | | PERCENT REACTANCE VALUE | | | | | | | | | | | | | |
| E0 8 807.0 202.3 GRIZZLY BAY AT DOLPHIN NEAR SUISUN SLOUGH CONTINUED | | | | | | | | | | | | | | | | | | | | |
| 08/16/71 | 5001 | | 9.2 | 72 | F 7.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 45A |
| 1200 | 5006 | | 104 | 22 | C | 4640 | | | | | | | | | | | 6.9 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/31/71 | 5001 | | 9.7 | 70 | F 8.0 | | -- | -- | -- | -- | .0 | 81 | -- | -- | .3 | -- | -- | | | 47A |
| 1200 | 5006 | | 108 | 21 | C | 2510 | | | | | .00 | 1.33 | | | .00 | | 5.4 | | | |
| | | 3 | | | | | | | | | | 5 | | | | | | | | |
| 09/14/71 | 5001 | | 8.1 | 73 | F 7.7 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 48A |
| 1200 | 5006 | | 94 | 23 | C | 2270 | | | | | | | | | | | 12.0 | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 09/28/71 | 5001 | | 9.4 | 64 | F 7.5 | | -- | -- | -- | -- | .0 | 72 | -- | -- | .4 | -- | -- | | | 34A |
| 0950 | 5006 | | 99 | 18 | C | 338 | | | | | .00 | 1.18 | | | .01 | | 14.0 | | | |
| | | 3 | | | | | | | | | | 35 | | | | | | | | |
| E0 S 809.2 205.3 CORDELIA SLOUGH AT CYGNUS | | | | | | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 8.3 | 63 | F 7.4 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 110A |
| 0840 | 5006 | | 85 | 17 | C | 5480 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 11/06/70 | 5001 | | 7.5 | 57 | F 7.1 | | 50 | 110 | 840 | 36 | .0 | 102 | 240 | 1440 | .9 | .30 | -- | 3080 | 578 | 90A |
| 0920 | 5006 | | 72 | 14 | C | 5100 | 2.50 | 9.05 | 36.54 | .92 | .00 | 1.67 | 5.00 | 40.61 | .01 | | 11.0 | 2778 | 494 | 15.2 |
| | | 3 | | | | | 5 | 18 | 75 | 2 | | 4 | 11 | 86 | | | | | | |
| 12/09/70 | 5001 | | 9.3 | 52 | F 7.1 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 120A |
| 1040 | 5006 | | 84 | 11 | C | 1410 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 01/06/71 | 5001 | | 11.1 | 45 | F 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 80A |
| 1020 | 5006 | | 91 | 7 | C | 704 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 02/05/71 | 5001 | | 9.2 | 48 | F 7.1 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 120A |
| 1000 | 5006 | | 79 | 9 | C | 762 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/05/71 | 5001 | | 10.0 | 50 | F 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 75A |
| 0915 | 5006 | | 88 | 10 | C | 990 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 04/05/71 | 5001 | | 8.0 | 64 | F 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 140A |
| 1020 | 5006 | | 84 | 18 | C | 1310 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/17/71 | 5001 | | 8.8 | 64 | F 7.4 | | 27 | 34 | 215 | 13 | .0 | 100 | 105 | 360 | .8 | .20 | -- | 868 | 208 | 100A |
| 1115 | 5006 | | 92 | 18 | C | 1450 | 1.35 | 2.80 | 9.35 | .33 | .00 | 1.64 | 2.19 | 10.15 | .01 | | 12.0 | 816 | 126 | 6.5 |
| | | 2 | | | | | 10 | 20 | 68 | 2 | | 12 | 16 | 73 | | | | | | |
| 06/18/71 | 5001 | | 7.3 | 70 | F 7.1 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 130A |
| 1015 | 5006 | | 81 | 21 | C | 1060 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 07/30/71 | 5001 | | 8.2 | 70 | F 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 45A |
| 1005 | 5006 | | 91 | 21 | C | 4540 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/27/71 | 5001 | | 7.3 | 70 | F 7.7 | | 40 | 85 | 680 | 31 | .0 | 84 | 160 | 1180 | .4 | .20 | -- | 2580 | 450 | 50A |
| 0900 | 5006 | | 81 | 21 | C | 4240 | 2.00 | 6.99 | 29.58 | .79 | .00 | 1.38 | 3.33 | 33.28 | .01 | | 7.3 | 2225 | 381 | 14.0 |
| | | 3 | | | | | 5 | 18 | 75 | 2 | | 4 | 9 | 88 | | | | | | |
| 09/27/71 | 5001 | | 9.0 | 63 | F 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 55A |
| 1000 | 5006 | | 93 | 17 | C | 1540 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| E0 S 810.8 202.8 SUISUN SLOUGH AT VOLANTI SLOUGH ON JOICE ISLAND | | | | | | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 8.0 | 63 | F 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 75A |
| 1040 | 5006 | | 82 | 17 | C | 5350 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 11/06/70 | 5001 | | 7.3 | 59 | F 7.3 | | 45 | 90 | 570 | 27 | .0 | 141 | 180 | 986 | 2.2 | .30 | -- | 2200 | 483 | 75A |
| 1215 | 5006 | | 72 | 15 | C | 3670 | 2.25 | 7.40 | 24.80 | .69 | .00 | 2.31 | 3.75 | 27.81 | .04 | | 11.0 | 1981 | 367 | 11.3 |
| | | 3 | | | | | 6 | 21 | 71 | 2 | | 7 | 11 | 82 | | | | | | |
| 12/09/70 | 5001 | | 7.8 | 54 | F 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1305 | 5006 | | 72 | 12 | C | 2270 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 01/06/71 | 5001 | | 9.6 | 45 | F 7.1 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 90A |
| 1245 | 5006 | | 79 | 7 | C | 1770 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 02/05/71 | 5001 | | 8.7 | 52 | F 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1255 | 5006 | | 79 | 11 | C | 1610 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/05/71 | 5001 | | 9.3 | 50 | F 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 120A |
| 1115 | 5006 | | 82 | 10 | C | 1900 | | | | | | | | | | | -- | | | |
| | | 2 | | | | | | | | | | | | | | | | | | |
| 04/05/71 | 5001 | | 7.6 | 66 | F 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 120A |
| 1305 | 5006 | | 81 | 19 | C | 2120 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/17/71 | 5001 | | 8.7 | 66 | F 7.9 | | 36 | 46 | 275 | 15 | .0 | 127 | 140 | 450 | 3.7 | .60 | -- | 1860 | 279 | 75A |
| 1405 | 5006 | | 93 | 19 | C | 1860 | 1.80 | 3.78 | 11.96 | .38 | .00 | 2.08 | 2.91 | 12.69 | .06 | | 11.0 | 1040 | 175 | 7.2 |
| | | 3 | | | | | 10 | 21 | 67 | 2 | | 12 | 16 | 72 | | | | | | |
| 06/18/71 | 5001 | | 9.1 | 73 | F 7.4 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 95A |
| 1240 | 5006 | | 105 | 23 | C | 961 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 07/30/71 | 5001 | | 9.3 | 72 | F 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 45A |
| 1230 | 5006 | | 106 | 22 | C | 3650 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | |
| | | E0 S 810.8 202.8 | SUISUN SLOUGH AT VOLANTI SLOUGH ON JOICE ISLAND | | | | | | | | | | | | CONTINUED | | | | | | |
| 08/27/71 | 5001 | | 7.8 | 73 | F | 7.9 | | 40 | 90 | 720 | 27 | .0 | 102 | 180 | 1220 | .4 | .20 | -- | 2570 | 470 | 50A |
| 1240 | 5006 | | 90 | 23 | C | | 4390 | 2.00 | 7.40 | 31.32 | .69 | .00 | 1.67 | 3.75 | 34.40 | .01 | | 4.2 | 2332 | 387 | 14.4 |
| | | 2 | | | | | | 5 | 18 | 76 | 2 | | 4 | 9 | 86 | | | | | | |
| 09/27/71 | 5001 | | 8.1 | 64 | F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 60A |
| 1250 | 5006 | | 85 | 18 | C | | 2180 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| | | E0 S 811.0 204.8 | CHADBOURNE SLOUGH AT CHADBOURNE ROAD NEAR SUISUN | | | | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 8.4 | 63 | F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 0950 | 5006 | | 86 | 17 | C | | 5210 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 11/06/70 | 5001 | | 7.0 | 59 | F | 7.2 | | 48 | 100 | 640 | 32 | .0 | 129 | 200 | 1150 | 1.3 | .00 | -- | 2500 | 532 | 70A |
| 1040 | 5006 | | 69 | 15 | C | | 4180 | 2.40 | 8.22 | 27.84 | .82 | .00 | 2.11 | 4.16 | 32.43 | .02 | | 13.0 | 2248 | 426 | 12.1 |
| | | 3 | | | | | | 6 | 21 | 71 | 2 | | 5 | 11 | 84 | | | | | | |
| 12/09/70 | 5001 | | 8.6 | 54 | F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1215 | 5006 | | 80 | 12 | C | | 2220 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 01/06/71 | 5001 | | 10.7 | 45 | F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 90A |
| 1110 | 5006 | | 88 | 7 | C | | 1720 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 02/05/71 | 5001 | | 9.0 | 50 | F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1120 | 5006 | | 80 | 10 | C | | 1310 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 03/05/71 | 5001 | | 9.6 | 52 | F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 130A |
| 1015 | 5006 | | 87 | 11 | C | | 1850 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 04/05/71 | 5001 | | 7.7 | 63 | F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 110A |
| 1155 | 5006 | | 79 | 17 | C | | 1940 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 05/17/71 | 5001 | | 7.9 | 66 | F | 7.7 | | 37 | 42 | 185 | 11 | .0 | 165 | 110 | 300 | 2.7 | .20 | -- | 710 | 265 | 80A |
| 1250 | 5006 | | 85 | 19 | C | | 1400 | 1.85 | 3.45 | 8.05 | .28 | .00 | 2.70 | 2.29 | 8.46 | .04 | | 14.0 | 783 | 130 | 4.9 |
| | | 3 | | | | | | 14 | 25 | 59 | 2 | | 20 | 17 | 63 | | | | | | |
| 06/18/71 | 5001 | | 8.7 | 72 | F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1135 | 5006 | | 99 | 22 | C | | 896 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 07/30/71 | 5001 | | 8.2 | 70 | F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 90A |
| 1120 | 5006 | | 91 | 21 | C | | 1640 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 08/27/71 | 5001 | | 6.6 | 70 | F | 7.7 | | 22 | 90 | 660 | 28 | .0 | 113 | 180 | 1100 | .9 | .20 | -- | 2380 | 425 | 40A |
| 1115 | 5006 | | 74 | 21 | C | | 4040 | 1.10 | 7.40 | 28.71 | .72 | .00 | 1.85 | 3.75 | 31.02 | .01 | | 7.3 | 2144 | 333 | 13.9 |
| | | 3 | | | | | | 3 | 20 | 76 | 2 | | 5 | 10 | 85 | | | | | | |
| 09/27/71 | 5001 | | 8.4 | 61 | F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 35A |
| 1115 | 5006 | | 85 | 16 | C | | 922 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| | | E0 S 811.2 158.5 | MONTEZUMA SLOUGH AT GRIZZLY ISLAND ROAD | | | | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 8.6 | 63 | F | 7.5 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 1110 | 5006 | | 89 | 17 | C | | 5930 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 11/06/70 | 5001 | | 7.0 | 59 | F | 7.1 | | 60 | 130 | 1000 | 45 | .0 | 103 | 280 | 1740 | .9 | .50 | -- | 3600 | 685 | 65A |
| 1300 | 5006 | | 69 | 15 | C | | 5920 | 2.99 | 10.69 | 43.50 | 1.15 | .00 | 1.69 | 5.83 | 49.07 | .01 | | 9.0 | 3316 | 600 | 16.6 |
| | | 3 | | | | | | 5 | 18 | 75 | 2 | | 3 | 10 | 87 | | | | | | |
| 12/09/70 | 5001 | | 9.0 | 52 | F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 95A |
| 1345 | 5006 | | 81 | 11 | C | | 1820 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 01/06/71 | 5001 | | 10.7 | 45 | F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 85A |
| 1320 | 5006 | | 88 | 7 | C | | 1570 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 02/05/71 | 5001 | | 10.1 | 50 | F | 6.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1340 | 5006 | | 89 | 10 | C | | 1120 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 03/05/71 | 5001 | | 9.7 | 50 | F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 130A |
| 1220 | 5006 | | 86 | 10 | C | | 1900 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 04/05/71 | 5001 | | 8.4 | 64 | F | 6.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 90A |
| 1345 | 5006 | | 88 | 18 | C | | 1130 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 05/17/71 | 5001 | | 10.1 | 66 | F | 7.8 | | 18 | 17 | 96 | 6.5 | .0 | 73 | 50 | 154 | .4 | -- | -- | 409 | 115 | 65A |
| 1450 | 5006 | | 108 | 19 | C | | 683 | .90 | 1.40 | 4.18 | .17 | .00 | 1.20 | 1.04 | 4.34 | .01 | | 13.0 | 391 | 55 | 3.9 |
| | | 3 | | | | | | 14 | 21 | 63 | 3 | | 18 | 16 | 66 | | | | | | |
| 06/18/71 | 5001 | | 8.9 | 73 | F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 70A |
| 1320 | 5006 | | 103 | 23 | C | | 746 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 07/30/71 | 5001 | | 8.6 | 72 | F | 7.4 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 60A |
| 1310 | 5006 | | 98 | 22 | C | | 2210 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |
| 08/27/71 | 5001 | | 7.9 | 73 | F | 7.9 | | 36 | 75 | 580 | 11 | .0 | 80 | 150 | 990 | .4 | -- | -- | 2100 | 399 | 40A |
| 1330 | 5006 | | 91 | 23 | C | | 3610 | 1.80 | 6.17 | 25.23 | .28 | .00 | 1.31 | 3.12 | 27.92 | .01 | | 6.5 | 1888 | 333 | 12.6 |
| | | 3 | | | | | | 5 | 18 | 75 | 1 | | 4 | 10 | 86 | | | | | | |
| 09/27/71 | 5001 | | 8.6 | 66 | F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 50A |
| 1320 | 5006 | | 92 | 19 | C | | 2310 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. Q DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | MINERAL CONSTITUENTS IN | | | | | MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE | | | | | MILLIGRAMS PER LITER | | | |
| E0 S 811.5 207.2 | | | | | CORDELIA SLOUGH AT UPPER END NEAR CORDELIA | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 8.7 | 59 F | 7.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 31A |
| 0910 | 5006 | | 86 | 15 C | | 543 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 04/05/71 | 5001 | | 6.5 | 66 F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 80A |
| 1120 | 5006 | | 70 | 19 C | | 1300 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 05/17/71 | 5001 | | 6.9 | 66 F | 7.7 | | 32 | 32 | 155 | 8.2 | .0 | 200 | 70 | 235 | 1.5 | .30 | -- | 891 | 212 | 75A |
| 1205 | 5006 | | 74 | 19 C | | 1190 | 1.60 | 2.63 | 6.74 | .21 | .00 | 3.28 | 1.46 | 6.63 | .02 | | 27.0 | 659 | 48 | 4.6 |
| | | 1 | | | | | 14 | 24 | 60 | 2 | | 29 | 13 | 58 | | | | | | |
| 06/18/71 | 5001 | | 6.9 | 72 F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 90A |
| 1100 | 5006 | | 78 | 22 C | | 751 | | | | | | | | | | | -- | | | |
| | | 2 | | | | | | | | | | | | | | | | | | |
| 07/30/71 | 5001 | | 6.6 | 68 F | 8.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 120A |
| 1040 | 5006 | | 72 | 20 C | | 923 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/27/71 | 5001 | | 6.9 | 68 F | 8.0 | | 20 | 29 | 61 | 4.8 | .0 | 176 | 35 | 88 | .7 | .00 | -- | 390 | 170 | 80A |
| 1015 | 5006 | | 75 | 20 C | | 606 | 1.00 | 2.38 | 2.65 | .12 | .00 | 2.88 | .73 | 2.48 | .01 | | 16.0 | 341 | 25 | 2.0 |
| | | 2 | | | | | 16 | 39 | 43 | 2 | | 47 | 12 | 41 | | | | | | |
| 09/27/71 | 5001 | | 9.7 | 59 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 15A |
| 1045 | 5006 | | 96 | 15 C | | 323 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| E0 S 813.6 201.2 | | | | | HILL SLOUGH AT GRIZZLY ISLAND ROAD | | | | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 9.2 | 59 F | 7.9 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 55A |
| 1130 | 5006 | | 91 | 15 C | | 657 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 11/06/70 | 5001 | | 8.5 | 59 F | 7.6 | | 21 | 28 | 46 | 3.5 | .0 | 172 | 35 | 60 | .4 | .20 | -- | 314 | 168 | 45A |
| 1330 | 5006 | | 84 | 15 C | | 530 | 1.05 | 2.30 | 2.00 | .09 | .00 | 2.82 | .73 | 1.69 | .01 | | 16.0 | 295 | 27 | 1.5 |
| | | 3 | | | | | 19 | 42 | 37 | 2 | | 54 | 14 | 32 | | | | | | |
| 12/09/70 | 5001 | | 5.5 | 54 F | 7.0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 130A |
| 1420 | 5006 | | 51 | 12 C | | 1410 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 01/06/71 | 5001 | | 8.4 | 45 F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 55A |
| 1345 | 5006 | | 69 | 7 C | | 2530 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 02/05/71 | 5001 | | 6.1 | 50 F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 75A |
| 1400 | 5006 | | 54 | 10 C | | 2890 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/05/71 | 5001 | | 9.0 | 52 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 65A |
| 1245 | 5006 | | 81 | 11 C | | 3010 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 04/05/71 | 5001 | | 6.6 | 66 F | 7.3 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 100A |
| 1415 | 5006 | | 71 | 19 C | | 2930 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 06/18/71 | 5001 | | 7.8 | 73 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 85A |
| 1345 | 5006 | | 90 | 23 C | | 2000 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 07/30/71 | 5001 | | 8.4 | 70 F | 7.8 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 80A |
| 1335 | 5006 | | 94 | 21 C | | 2320 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 08/27/71 | 5001 | | 8.1 | 70 F | 8.0 | | 46 | 80 | 550 | 25 | .0 | 168 | 170 | 920 | 1.8 | .40 | -- | 2030 | 444 | 45A |
| 1400 | 5006 | | 90 | 21 C | | 3430 | 2.30 | 6.58 | 23.93 | .64 | .00 | 2.75 | 3.54 | 25.94 | .03 | | 3.4 | 1879 | 307 | 11.4 |
| | | 3 | | | | | 7 | 20 | 72 | 2 | | 9 | 11 | 80 | | | | | | |
| 09/27/71 | 5001 | | 9.3 | 63 F | 7.6 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 36A |
| 1345 | 5006 | | 96 | 17 C | | 411 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| E3 1100.50 | | | | | NAPA RIVER AT DUTTONS LANDING | | | | | | | | | | | | | | | |
| 04/13/71 | 5050 | | 10.9 | 60 F | 8.2 | 4500 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1130 | | | 109 | 16 C | | | | | | | | | | | | | -- | | | |
| E3 1250.00 | | | | | NAPA RIVER NEAR NAPA | | | | | | | | | | | | | | | |
| 10/22/70 | 5050 | 2.49 | 13.9 | 63 F | 8.0 | 390 | 26 | 23 | 21 | -- | 7.0 | 170 | -- | 21 | -- | -- | -- | | 161 | 3E |
| 1445 | 5050 | 2.8 | 144 | 17 C | 8.5 | 386 | 1.30 | 1.92 | .91 | | .23 | 2.79 | | .59 | | | -- | | 10 | 0.7 |
| | | | | | | | 34 | 50 | 24 | | 6 | 72 | | 15 | | | | | | |
| 01/13/71 | 5050 | 6.51 | 11.8 | 46 F | 7.3 | 75 | 12 | 6.8 | 7.5 | -- | .0 | 67 | -- | 5.9 | -- | -- | -- | | 58 | 90E |
| 1330 | 5050 | 809 | 99 | 8 C | 7.6 | 151 | .60 | .56 | .33 | | .00 | 1.10 | | .17 | | | -- | | 3 | 0.4 |
| | | | | | | | 40 | 37 | 22 | | | 73 | | 11 | | | | | | |
| 02/19/71 | 5050 | 4.04 | 11.5 | 51 F | 7.3 | 305 | 22 | 16 | 15 | -- | .0 | 141 | -- | 11 | -- | -- | -- | | 122 | 6E |
| 1030 | 5050 | 166 | 103 | 11 C | 8.2 | 296 | 1.10 | 1.34 | .65 | | .00 | 2.31 | | .31 | | | -- | | 7 | 0.6 |
| | | | | | | | 37 | 45 | 22 | | | 78 | | 10 | | | | | | |
| 04/16/71 | 5050 | 4.12 | 10.4 | 60 F | 7.4 | 270 | 21 | 14 | 13 | -- | .0 | 133 | -- | 9.5 | -- | -- | -- | | 112 | 4E |
| 1030 | 5050 | 104 | 104 | 16 C | 7.8 | 274 | 1.05 | 1.19 | .57 | | .00 | 2.18 | | .27 | | | -- | | 3 | 0.5 |
| | | | | | | | 38 | 43 | 21 | | | 80 | | 10 | | | | | | |
| 05/13/71 | 5050 | 3.68 | 10.8 | 68.0F | 7.7 | 320 | 22 | 18 | 18 | -- | .0 | 156 | -- | 14 | -- | -- | -- | | 130 | 2E |
| 1100 | 5050 | 36 | 118 | 20.0C | 8.3 | 331 | 1.10 | 1.50 | .78 | | .00 | 2.56 | | .39 | | | -- | | 2 | 0.7 |
| | | | | | | | 33 | 45 | 24 | | | 77 | | 12 | | | | | | |
| 06/17/71 | 5050 | 3.30 | 9.4 | 76 F | 7.6 | 300 | 24 | 20 | 22 | -- | .0 | 173 | -- | 16 | -- | -- | -- | | 143 | 1E |
| 1145 | 5050 | | 112 | 24 C | 8.3 | 366 | 1.20 | 1.66 | .96 | | .00 | 2.84 | | .45 | | | 32.0 | | 1 | 0.8 |
| | | | | | | | 33 | 45 | 26 | | | 78 | | 12 | | | | | | |
| 07/22/71 | 5050 | 3.06 | 12.1 | 79 F | 8.2 | 370 | 30 | 20 | 21 | -- | .0 | 179 | -- | 20 | -- | -- | -- | | 160 | 1E |
| 1300 | 5050 | | 148 | 26 C | 7.9 | 387 | 1.50 | 1.70 | .91 | | .00 | 2.93 | | .56 | | | -- | | 14 | 0.7 |
| | | | | | | | 39 | 44 | 24 | | | 76 | | 14 | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | DO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TM NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | E3 | 1250.00 | | | NAPA RIVER NEAR NAPA | | | | | | | | | CONTINUED | | | | | | |
| 09/28/71 | 5050 | 3.15 | 11.4 | 61 F | 8.2 | 380 | 27 | 24 | 17 | -- | 4.0 | 213 | -- | 16 | -- | -- | -- | | 168 | 3E |
| 1140 | 5050 | | 115 | 16 C | 8.5 | 418 | 1.35 | 2.01 | .74 | | .13 | 3.49 | | .45 | | | -- | | 13 | 0.6 |
| | | | | | | | 32 | 48 | 18 | | 3 | 83 | | 11 | | | | | | |
| | E3 | 2100.51 | | | GREEN VALLEY CREEK AT COROELIA | | | | | | | | | | | | | | | |
| 11/06/70 | 5001 | | 9.8 | 57 F | 7.7 | | 16 | 18 | 14 | 2.3 | .0 | 133 | 21 | 14 | 1.3 | .00 | -- | 187 | 114 | 50A |
| 1005 | 5006 | | 95 | 14 C | | 296 | .80 | 1.48 | .61 | .06 | .00 | 2.18 | .44 | .39 | .02 | | 16.0 | 168 | 5 | 0.6 |
| | | 2 | | | | | 27 | 50 | 21 | 2 | | 72 | 15 | 13 | 1 | | | | | |
| 12/09/70 | 5001 | | 11.6 | 54 F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 23A |
| 1115 | 5006 | | 107 | 12 C | | 230 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 01/06/71 | 5001 | | 12.7 | 45 F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 14A |
| 1040 | 5006 | | 104 | 7 C | | 263 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 02/05/71 | 5001 | | 10.6 | 48 F | 7.2 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 9A |
| 1030 | 5006 | | 91 | 9 C | | 419 | | | | | | | | | | | -- | | | |
| | | 3 | | | | | | | | | | | | | | | | | | |
| 03/05/71 | 5001 | | 11.5 | 46 F | 7.4 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | 5A |
| 0950 | 5006 | | 97 | 8 C | | 360 | | | | | | | | | | | -- | | | |
| | | 2 | | | | | | | | | | | | | | | | | | |
| | E4 | 4180.01 | | | WALNUT CREEK AT HIGHWAY 4 AT CONCORD | | | | | | | | | | | | | | | |
| 06/09/71 | 5050 | | 8.2 | 63 F | 8.0 | 950 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0900 | | 20 | 85 | 17 C | | | | | | | | | | | | | -- | | | |
| | E5 | 1400.00 | | | ARROYO VALLE NEAR LIVERMORE | | | | | | | | | | | | | | | |
| 06/09/71 | 5050 | 2.70 | 8.8 | 67 F | 7.9 | 86 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1000 | | | 95 | 19 C | | | | | | | | | | | | | -- | | | |
| | E6 | 5100.00 | | | SARATOGA CREEK AT SARATOGA | | | | | | | | | | | | | | | |
| 06/09/71 | 5050 | 2.75 | 9.4 | 65 F | 8.0 | 470 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1120 | | | 99 | 18 C | | | | | | | | | | | | | -- | | | |
| | F8 | 2100.00 | | | NAVARRO RIVER NEAR NAVARRO | | | | | | | | | | | | | | | |
| 11/11/70 | 5050 | 2.77 | 10.3 | 58.0F | 7.6 | | 27 | 11 | 13 | 1.6 | .0 | 132 | 16 | 9.6 | .8 | .30 | -- | 156 | 112 | 2E |
| 1700 | 5050 | 85 | 100 | 14.4C | 8.1 | 272 | 1.35 | .90 | .57 | .04 | .00 | 2.16 | .33 | .27 | .01 | | -- | 144 | 5 | 0.5 |
| | | | | | | | 47 | 31 | 20 | 1 | | 78 | 12 | 10 | | | | | | |
| 01/07/71 | 5050 | 3.90 | 12.5 | 41.0F | 7.0 | | -- | -- | 7.8 | -- | --.0 | 87 | -- | 7.9 | -- | .10 | -- | | 78 | 15E |
| 1000 | 5050 | 507 | 98 | 5.0C | 8.1 | 179 | | | .34 | | .00 | 1.43 | | .22 | | | -- | | | |
| | | | | | | | | | 19 | | | 80 | | 12 | | | | | | |
| 02/03/71 | 5050 | 3.28 | 11.4 | 48 F | 7.3 | | 21 | 7.7 | 9.0 | .9 | .0 | 102 | 10 | 7.2 | .5 | .00 | -- | 108 | 84 | 5E |
| 1645 | 5050 | 288 | 98 | 9 C | 8.1 | 202 | 1.05 | .63 | .39 | .02 | .00 | 1.67 | .21 | .20 | .01 | | -- | 106 | 1 | 0.4 |
| | | | | | | | 50 | 30 | 19 | 1 | | 80 | 10 | 10 | | | | | | |
| 03/03/71 | 5050 | 2.72 | 11.5 | 50 F | 7.4 | | -- | -- | 8.1 | -- | .0 | 115 | -- | 7.1 | -- | .10 | -- | | 105 | 3E |
| 1630 | 5050 | 130 | 102 | 10 C | 7.6 | 225 | | | .35 | | .00 | 1.88 | | .20 | | | -- | | | |
| | | | | | | | | | 16 | | | 84 | | 9 | | | | | | |
| 05/05/71 | 5050 | 2.79 | 9.7 | 62 F | 7.4 | | -- | -- | 8.9 | -- | .0 | 114 | -- | 5.7 | -- | .10 | -- | | 93 | 2E |
| 1600 | 5050 | 145 | 99 | 17 C | 7.7 | 225 | | | .39 | | .00 | 1.87 | | .16 | | | -- | | | |
| | | | | | | | | | 17 | | | 83 | | 7 | | | | | | |
| 07/21/71 | 5050 | 1.80 | 10.7 | 75 F | 7.6 | | -- | -- | 13 | -- | .0 | 129 | -- | 8.6 | -- | .10 | -- | | 108 | 2E |
| 1500 | 5050 | 16 | 126 | 24 C | 8.0 | 251 | | | .57 | | .00 | 2.11 | | .24 | | | -- | | | |
| | | | | | | | | | 23 | | | 84 | | 10 | | | | | | |
| 09/15/71 | 5050 | 1.77 | 10.0 | 70.7F | 7.2 | | -- | -- | 15 | -- | .0 | 144 | -- | 21 | -- | .20 | -- | | 113 | 1E |
| 1450 | 5050 | 14 | 112 | 21.5C | 7.7 | 266 | | | .65 | | .00 | 2.36 | | .59 | | | -- | | | |
| | | | | | | | | | 24 | | | 89 | | 22 | | | | | | |
| | F8 | 2720.00 | | | BIG RIVER NEAR MENDOCINO | | | | | | | | | | | | | | | |
| 11/11/70 | 5050 | 7.84 | 10.6 | 56.0F | 8.0 | | 19 | 7.2 | 11 | 1.4 | .0 | 97 | 8.9 | 7.6 | .7 | .40 | -- | 98 | 77 | 10E |
| 1525 | 5050 | 220 | 101 | 13.3C | 8.1 | 199 | .95 | .59 | .48 | .04 | .00 | 1.59 | .19 | .21 | .01 | | -- | 104 | 3 | 0.5 |
| | | | | | | | 46 | 29 | 23 | 2 | | 80 | 10 | 11 | 1 | | | | | |
| 01/07/71 | 5050 | 8.35 | 12.3 | 40.1F | 7.1 | | -- | -- | 6.5 | -- | .0 | 67 | -- | 6.3 | -- | .20 | -- | | 54 | 15E |
| 0830 | 5050 | 125 | 95 | 4.5C | 8.1 | 137 | | | .28 | | .00 | 1.10 | | .18 | | | -- | | | |
| | | | | | | | | | 20 | | | 80 | | 13 | | | | | | |
| 02/03/71 | 5050 | 8.21 | 12.3 | 46 F | 7.3 | | 16 | 4.4 | 7.6 | 1.0 | .0 | 74 | 7.1 | 6.9 | .0 | .00 | -- | 88 | 58 | 4E |
| 1530 | 5050 | 90 | 103 | 8 C | 8.1 | 150 | .80 | .36 | .33 | .03 | .00 | 1.21 | .15 | .19 | .00 | | -- | 79 | 3 | 0.4 |
| | | | | | | | 53 | 24 | 22 | 2 | | 78 | 10 | 12 | | | | | | |
| 03/03/71 | 5050 | 7.88 | 11.9 | 47 F | 7.3 | | -- | -- | 7.0 | -- | .0 | 82 | -- | 5.9 | -- | .10 | -- | | 69 | 4E |
| 1515 | 5050 | 70 | 101 | 8 C | 7.5 | 167 | | | .30 | | .00 | 1.34 | | .17 | | | -- | | | |
| | | | | | | | | | 18 | | | 80 | | 10 | | | | | | |
| 05/05/71 | 5050 | 7.77 | 10.1 | 58 F | 7.3 | | -- | -- | 8.3 | -- | .0 | 85 | -- | 4.8 | -- | .10 | -- | | 66 | 4E |
| 1415 | 5050 | 60 | 99 | 14 C | 7.5 | 167 | | | .36 | | .00 | 1.39 | | .14 | | | -- | | | |
| | | | | | | | | | 22 | | | 83 | | 8 | | | | | | |
| 07/21/71 | 5050 | 6.95 | 10.0 | 72 F | 7.4 | | -- | -- | 12 | -- | .0 | 106 | -- | 7.6 | -- | .20 | -- | | 82 | 1E |
| 1430 | 5050 | 20 | 113 | 22 C | 7.5 | 202 | | | .52 | | .00 | 1.74 | | .21 | | | -- | | | |
| | | | | | | | | | 26 | | | 86 | | 10 | | | | | | |
| 09/15/71 | 5050 | 6.90 | 9.0 | 68 F | 7.2 | | -- | -- | 12 | -- | .0 | 108 | -- | 8.6 | -- | .40 | -- | | 80 | 1E |
| 1345 | 5050 | 10 | 98 | 20 C | 7.8 | 208 | | | .52 | | .00 | 1.77 | | .24 | | | -- | | | |
| | | | | | | | | | 25 | | | 85 | | 12 | | | | | | |

TABLE D-2 (CONTINUED)

MINERAL ANALYSES OF SURFACE WATER

| DATE TIME | SAMPLER LAB | G.H. O DEPTH | OO SAT | TEMP | FIELD LABORATORY PH | EC | MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE CA | MG | NA | K | CO3 | HCO3 | SO4 | CL | NO3 | B | F SIO2 | TDS SUM | TH NCH | TURB SAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F8 | 3100.00 | | | | NOYO RIVER NEAR FORT BRAGG | | | | | | | | | | | | | | | |
| 11/11/70 | 5050 | | 7.4 | 56.0F | 7.0 | | 15 | 5.0 | 10 | 1.1 | .0 | 75 | 7.2 | 8.8 | .0 | .20 | -- | 83 | 58 | 4E |
| 1430 | 5050 | 70 | 70 | 13.3C | 8.0 | 167 | .75 | .41 | .44 | .03 | .00 | 1.23 | .15 | .25 | .00 | | -- | 84 | 4 | 0.6 |
| | | | | | | | 46 | 25 | 27 | 2 | | 75 | 9 | 15 | | | | | | |
| 01/06/71 | 5050 | | 10.6 | 41.0F | 7.1 | | -- | -- | 5.8 | -- | .0 | 52 | -- | 7.2 | -- | .10 | -- | | 38 | 6E |
| 1545 | 5050 | 273 | 83 | 5.0C | 7.6 | 109 | | | .25 | | .00 | .85 | | .20 | | | -- | | | |
| | | | | | | | | | 23 | | | 78 | | 18 | | | | | | |
| 02/03/71 | 5050 | | 12.3 | 46 F | 7.3 | | 12 | 3.2 | 6.7 | .6 | .0 | 55 | 4.3 | 6.2 | .0 | .00 | -- | 71 | 43 | 4E |
| 1445 | 5050 | 131 | 103 | 8 C | 7.8 | 116 | .60 | .26 | .29 | .02 | .00 | .90 | .09 | .17 | .00 | | -- | 60 | 2 | 0.4 |
| | | | | | | | 51 | 22 | 25 | 2 | | 78 | 8 | 15 | | | | | | |
| 03/03/71 | 5050 | | 9.9 | 47 F | 7.8 | | -- | -- | 6.3 | -- | .0 | 60 | -- | 6.0 | -- | .00 | -- | | 50 | 25E |
| 1430 | 5050 | 88 | 84 | 8 C | 7.5 | 130 | | | .27 | | .00 | .98 | | .17 | | | -- | | | |
| | | | | | | | | | 21 | | | 75 | | 13 | | | | | | |
| 05/05/71 | 5050 | 4.15 | 10.5 | 55 F | 7.2 | | -- | -- | 7.0 | -- | .0 | 60 | -- | 5.2 | -- | .00 | -- | | 48 | 4E |
| 1330 | 5050 | 90 | 99 | 13 C | 7.6 | 131 | | | .30 | | .00 | .98 | | .15 | | | -- | | | |
| | | | | | | | | | 23 | | | 75 | | 11 | | | | | | |
| 07/21/71 | 5050 | | 9.9 | 68 F | 7.2 | | -- | -- | 10 | -- | .0 | 78 | -- | 8.4 | -- | .10 | -- | | 60 | 1E |
| 1315 | 5050 | 12 | 108 | 20 C | 7.5 | 160 | | | .44 | | .00 | 1.28 | | .24 | | | -- | | | |
| | | | | | | | | | 28 | | | 80 | | 15 | | | | | | |
| 09/15/71 | 5050 | | 9.3 | 64 F | 7.1 | | -- | -- | 11 | -- | .0 | 82 | -- | 10 | -- | .20 | -- | | 63 | 2E |
| 1240 | 5050 | 6.2 | 98 | 18 C | 7.6 | 165 | | | .48 | | .00 | 1.34 | | .28 | | | -- | | | |
| | | | | | | | | | 29 | | | 81 | | 17 | | | | | | |
| F9 | 1100.00 | | | | RUSSIAN RIVER NEAR GUERNEVILLE | | | | | | | | | | | | | | | |
| 10/23/70 | 5050 | 4.96 | 7.0 | 61 F | 7.3 | 310 | 26 | 14 | 16 | -- | .0 | 138 | -- | 16 | -- | -- | -- | | 123 | 25E |
| 0815 | 5050 | 269 | 71 | 16 C | 8.0 | 307 | 1.30 | 1.16 | .70 | | .00 | 2.26 | | .45 | | | -- | | 10 | 0.6 |
| | | | | | | | 42 | 38 | 23 | | | 74 | | 15 | | | | | | |
| 11/19/70 | 5050 | 5.14 | 7.7 | 52 F | 7.7 | 340 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0930 | | | 70 | 11 C | | | | | | | | | | | | | -- | | | |
| 12/18/70 | 5050 | 7.05 | 10.3 | 48 F | 7.2 | 150 | 12 | 6.6 | 5.8 | -- | .0 | 67 | -- | 5.8 | -- | -- | -- | | 57 | 280E |
| 0840 | 5050 | 11600 | 89 | 9 C | 6.9 | 144 | .60 | .54 | .25 | | .00 | 1.10 | | .16 | | | -- | | 2 | 0.3 |
| | | | | | | | 42 | 37 | 17 | | | 76 | | 11 | | | | | | |
| 02/18/71 | 5050 | 6.23 | 11.1 | 52 F | 7.6 | 310 | 31 | 17 | 12 | -- | .0 | 163 | -- | 9.9 | -- | -- | -- | | 148 | 10E |
| 1530 | 5050 | 662 | 101 | 11 C | 8.1 | 315 | 1.55 | 1.41 | .52 | | .00 | 2.67 | | .28 | | | -- | | 15 | 0.4 |
| | | | | | | | 49 | 45 | 17 | | | 85 | | 9 | | | | | | |
| 03/25/71 | 5050 | 8.80 | 13.5 | 55 F | 7.6 | 205 | 23 | 8.6 | 8.2 | -- | .0 | 109 | -- | 6.3 | -- | -- | -- | | 93 | 80E |
| 1430 | 5050 | 2540 | 127 | 13 C | 7.6 | 220 | 1.15 | .71 | .36 | | .00 | 1.79 | | .18 | | | -- | | 4 | 0.4 |
| | | | | | | | 52 | 32 | 16 | | | 81 | | 8 | | | | | | |
| 04/16/71 | 5050 | 7.48 | 9.3 | 59 F | 7.5 | 260 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 0720 | | | 92 | 15 C | | | | | | | | | | | | | -- | | | |
| 05/13/71 | 5050 | 5.79 | 8.6 | 65.0F | 7.5 | 265 | 23 | 14 | 10 | -- | .0 | 144 | -- | 6.6 | -- | -- | -- | | 118 | 3E |
| 0800 | 5050 | 656 | 91 | 18.3C | 8.3 | 268 | 1.15 | 1.21 | .44 | | .00 | 2.36 | | .19 | | | -- | | 0 | 0.4 |
| | | | | | | | 43 | 45 | 16 | | | 88 | | 7 | | | | | | |
| 06/17/71 | 5050 | 4.72 | 7.2 | 72 F | 7.5 | 225 | 25 | 15 | 8.3 | -- | .0 | 143 | -- | 6.0 | -- | -- | -- | | 128 | 30E |
| 0800 | 5050 | | 82 | 22 C | 7.7 | 270 | 1.25 | 1.31 | .36 | | .00 | 2.34 | | .17 | | | -- | | 11 | 0.3 |
| | | | | | | | 46 | 49 | 13 | | | 87 | | 6 | | | | | | |
| 07/22/71 | 5050 | | 8.0 | 75 F | 7.8 | 250 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1100 | | | 94 | 24 C | | | | | | | | | | | | | -- | | | |
| 08/25/71 | 5050 | 4.82 | 7.8 | 75 F | 8.0 | 240 | 27 | 11 | 8.2 | -- | .0 | 131 | -- | 6.6 | -- | -- | -- | | 114 | 2E |
| 0930 | 5050 | | 92 | 24 C | 8.2 | 252 | 1.35 | .93 | .36 | | .00 | 2.15 | | .19 | | | -- | | 7 | 0.3 |
| | | | | | | | 54 | 37 | 14 | | | 85 | | 8 | | | | | | |
| 09/28/71 | 5050 | 4.92 | 9.8 | 65 F | 7.9 | 278 | 23 | 13 | 11 | -- | .0 | 144 | -- | 10 | -- | -- | -- | | 112 | 4E |
| 1400 | 5050 | | 104 | 18 C | 8.3 | 277 | 1.15 | 1.09 | .48 | | .00 | 2.36 | | .28 | | | -- | | 6 | 0.5 |
| | | | | | | | 42 | 39 | 17 | | | 85 | | 10 | | | | | | |
| F9 | 1765.00 | | | | RUSSIAN RIVER NEAR HOPLAND | | | | | | | | | | | | | | | |
| 05/20/71 | 5000 | | | | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1630 | | 334 | | | | | | | | | | | | | | | -- | | | |
| F9 | 1850.00 | | | | RUSSIAN RIVER NEAR UKIAH | | | | | | | | | | | | | | | |
| 05/20/71 | 5000 | 2.50 | | | | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | | | |
| 1300 | | 21 | | | | | | | | | | | | | | | -- | | | |

TABLE D-3

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

Constituents

MBAS - Methylene blue active substance, a measure of detergent surfactants

BOD - Biological oxygen demand

Abbreviations

Mg/L - Milligrams per liter

Ug/L - Micrograms per liter

Ft. - Feet

Lab and Sampler Agency Codes

5000 - U. S. Geological Survey

5001 - U. S. Bureau of Reclamation

5006 - McClellan Air Force Base Laboratory

5050 - Department of Water Resources

5063 - Santa Cruz County Health Department

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| DO 1100.00 | BRANCIFORTE CREEK AT SANTA CRUZ | 03-15-71 1530 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 24 | Mg/L | | |
| | | 05-18-71 1300 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 09-27-71 1230 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 40 | Mg/L | | |
| DO 1180.01 | SAN LORENZO RIVER AT PARADISE PARK | 03-15-71 1200 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 38 | Mg/L | | |
| | | 05-18-71 1220 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.1 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 09-27-71 1010 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 2 | Mg/L | | |
| DO 1220.01 | ZAYANTE CREEK AT FELTON | 03-15-71 1110 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 393 | Mg/L | | |
| | | 05-18-71 1050 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 09-27-71 0940 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 0.0 | Mg/L | | |
| DO 1498.01 | SAN LORENZO RIVER AT BOULDER CREEK | 03-15-71 1000 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 72 | Mg/L | | |
| | | 05-18-71 1000 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 09-27-71 0900 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 13 | Mg/L | | |
| DO 2020.00 | APTOS CREEK BELOW VALENCIA CREEK NEAR APTOS | 03-15-71 1350 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 84 | Mg/L | | |
| | | 05-18-71 1400 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.1 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 09-27-71 1350 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 0.0 | Mg/L | | |
| DO 3100.00 | SOQUEL CREEK AT SOQUEL | 03-15-71 1430 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 18 | Mg/L | | |
| | | 05-18-71 1330 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 09-27-71 1300 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 0.0 | Mg/L | | |
| DO 4010.01 | SCOTT CREEK AT HIGHWAY 1 NEAR DAVENPORT | 03-15-71 0900 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 20 | Mg/L | | |
| | | 05-18-71 0830 | Arsenic | 0.00 | Mg/L | 5063 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 09-27-71 0750 | MBAS | 0.0 | Mg/L | 5063 | 5050 |
| | | | Suspended Solids | 8 | Mg/L | | |
| D1 1006.30 | WATSONVILLE SLOUGH AT SAN ANDRES ROAD | 05-05-71 1000 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| D1 1006.30 | WATSONVILLE SLOUGH AT SAN ANDRES ROAD (Continued) | 07-08-71 1205 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D1 1075.30 | PAJARO RIVER AT THURWACHTER ROAD | 05-05-71 1030 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-08-71 1150 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| D1 1250.00 | PAJARO RIVER NEAR CHITTENDEN | 05-05-71 1130 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.5 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-08-71 1100 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.01 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D1 1371.50 | UVAS CREEK NEAR MORGAN HILL BELOW UVAS DAM | 05-05-71 1000 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.1 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D1 1475.50 | PLANEL AGRICULTURAL DRAIN ABOVE LLAGAS CREEK | 05-05-71 1245 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.1 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-08-71 1030 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| D1 2450.00 | SAN BENITO RIVER NEAR WILLOW CREEK SCHOOL | 05-05-71 0900 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D1 3220.20 | ELKHORN SLOUGH AT BRIDGE NEAR HALL | 05-05-71 0915 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.3 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 07-08-71 0945 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D2 1006.30 | TEMBLADERO SLOUGH AT NASHUA ROAD | 05-05-71 1450 | Arsenic | 0.01 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-07-71 1500 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| D2 1006.60 | TEMBLADERO SLOUGH AT MERRITT LAKE DRAIN | 05-05-71 1300 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D2 1009.20 | SALINAS RECLAMATION CANAL BELOW ALISAL SLOUGH | 05-05-71 1230 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-07-71 1445 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D2 1020.70 | SALINAS RECLAMATION CANAL AT AIRPORT WAY | 05-05-71 1030 | Arsenic | 0.02 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 07-07-71 1335 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D2 1030.30 | BLANCO DRAIN AT PUMP LIFT | 05-05-71 1200 | Arsenic | 0.01 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-07-71 1430 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D2 1110.50 | SALINAS RIVER AT TWIN BRIDGES | 05-05-71 0800 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| | | 07-07-71 0855 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.1 | Ug/L | | |
| | | | Selenium | 0.02 | Mg/L | | |
| D2 1325.10 | SALINAS RIVER NEAR GONZALES | 05-05-71 1230 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 07-07-71 1520 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| D2 1450.00 | ARROYO SECO NEAR SOLEDAD | 05-05-71 1140 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 07-07-71 1440 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| D2 1850.00 | SALINAS RIVER NEAR BRADLEY | 05-05-71 1000 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.3 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| | | 07-07-71 1035 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| D4 1010.50 | CARMEL RIVER AT HIGHWAY 1 | 05-05-71 1430 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| D4 1200.00 | CARMEL RIVER AT ROBLES DEL RIO | 07-07-71 0700 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.01 | Mg/L | | |
| EO B 735.0 215.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (SHIP CHANNEL) | 03-16-71 1020 | Suspended Solids | 48 | Mg/L | 5050 | 5050 |
| | | 04-13-71 0920 | Suspended Solids | 26 | Mg/L | 5050 | 5050 |
| | | 06-23-71 0810 | Suspended Solids | 11 | Mg/L | 5050 | 5050 |
| | | 07-08-71 0820 | Suspended Solids | 9 | Mg/L | 5050 | 5050 |
| | | 08-10-71 1030 | Suspended Solids | 18 | Mg/L | 5050 | 5050 |
| | | 09-21-71 0915 | Suspended Solids | 43 | Mg/L | 5050 | 5050 |
| EO B 736.2 211.6 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE | 10-21-70 1000 | Suspended Solids | 2 | Mg/L | 5050 | 5050 |
| | | 11-17-70 0950 | Suspended Solids | 12 | Mg/L | 5050 | 5050 |
| | | 12-16-70 0815 | Suspended Solids | 29 | Mg/L | 5050 | 5050 |
| | | 01-28-71 0750 | Suspended Solids | 60 | Mg/L | 5050 | 5050 |
| | | 02-17-71 1330 | Suspended Solids | 14 | Mg/L | 5050 | 5050 |
| | | 05-11-71 0810 | Suspended Solids | 136 | Mg/L | 5050 | 5050 |
| | | | Arsenic | 0.00 | Mg/L | | |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| EO B 736.2 212.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (PIER 662) | 06-23-71 0845 | Suspended Solids | 15 | Mg/L | 5050 | 5050 |
| | | 07-08-71 0915 | Suspended Solids | 8 | Mg/L | 5050 | 5050 |
| | | 08-10-71 1115 | Suspended Solids | 15 | Mg/L | 5050 | 5050 |
| | | 09-21-71 1050 | Suspended Solids | 13 | Mg/L | 5050 | 5050 |
| EO B 748.1 222.4 | SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND | 10-21-70 1030 | Suspended Solids | 0 | Mg/L | 5050 | 5050 |
| | | 11-17-70 1100 | Suspended Solids | 12 | Mg/L | 5050 | 5050 |
| | | 12-16-70 1030 | Suspended Solids | 11 | Mg/L | 5050 | 5050 |
| | | 01-28-71 0730 | Suspended Solids | 17 | Mg/L | 5050 | 5050 |
| | | 02-17-71 1350 | Suspended Solids | 6 | Mg/L | 5050 | 5050 |
| | | 03-16-71 1005 | Suspended Solids | 32 | Mg/L | 5050 | 5050 |
| | | 04-13-71 0910 | Suspended Solids | 23 | Mg/L | 5050 | 5050 |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 748.1 222.4 | SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND (Continued) | 05-11-71 0812 | Suspended Solids | 20 | Mg/L | 5050 | 5050 |
| | | | Arsenic | 0.00 | Mg/L | | |
| | | | Barium | 0.2 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.4 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| EO B 749.2 222.4 | SAN FRANCISCO BAY AT TREASURE ISLAND | 06-23-71 0700 | Suspended Solids | 16 | Mg/L | 5050 | 5050 |
| | | 07-08-71 0640 | Suspended Solids | 14 | Mg/L | 5050 | 5050 |
| | | 08-10-71 0900 | Suspended Solids | 19 | Mg/L | 5050 | 5050 |
| | | 09-21-71 0715 | Suspended Solids | 13 | Mg/L | 5050 | 5050 |
| EO B 757.7 226.2 | SAN PABLO STRAIT WEST OF THE BROTHERS | 10-21-70 1120 | Suspended Solids | 2 | Mg/L | 5050 | 5050 |
| | | 11-17-70 1145 | Suspended Solids | 7 | Mg/L | 5050 | 5050 |
| | | 12-16-70 1220 | Suspended Solids | 16 | Mg/L | 5050 | 5050 |
| | | 01-28-71 1000 | Suspended Solids | 21 | Mg/L | 5050 | 5050 |
| | | 02-17-71 1450 | Suspended Solids | 10 | Mg/L | 5050 | 5050 |
| | | 03-16-71 1050 | Suspended Solids | 30 | Mg/L | 5050 | 5050 |
| | | 04-13-71 1010 | Suspended Solids | 39 | Mg/L | 5050 | 5050 |
| | | 05-11-71 1000 | Suspended Solids | 33 | Mg/L | 5050 | 5050 |
| | | | Arsenic | 0.00 | Mg/L | | |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| EO B 801.8 222.3 | SAN PABLO BAY NEAR PINOLE POINT | 03-24-71 1130 | Secchi Disk | 3.0 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.5 | Mg/L | | |
| | | | BOD (7 days) | 0.7 | Mg/L | | |
| | | 04-21-71 1055 | Secchi Disk | 1.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.9 | Mg/L | | |
| | | 05-19-71 1130 | Secchi Disk | 1.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 0.7 | Mg/L | | |
| | | | Suspended Solids | 24 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 2 | Mg/L | | |
| | | 06-16-71 0930 | Secchi Disk | 2.8 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 14 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 0 | Mg/L | | |
| | | 07-15-71 0950 | Secchi Disk | 2.9 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.5 | Mg/L | | |
| | | | Suspended Solids | 23 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 3 | Mg/L | | |
| | | | Cadmium, Total | 0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.08 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.04 | Mg/L | | |
| | | 08-17-71 1430 | Secchi Disk | 2.0 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.3 | Mg/L | | |
| | | | Suspended Solids | 19 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 0 | Mg/L | | |
| | | 09-15-71 1310 | Secchi Disk | 3.5 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 10 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 6 | Mg/L | | |
| | | | Cadmium, Total | 0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.08 | Mg/L | | |
| | | | Iron | 0.2 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |
| EO B 802.3 207.1 | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ | 10-07-70 1045 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.9 | Mg/L | | |
| | | | Suspended Solids | 82 | Mg/L | 5001 | 5006 |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 802.3 207.1 | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ (Continued) | 11-20-70 1035 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.7 | Mg/L | | |
| | | | Suspended Solids | 17 | Mg/L | 5001 | 5006 |
| | | | Cadmium | 0.01 | Mg/L | | |
| | | | Chromium | <0.01 | | | |
| | | | Copper | <0.05 | | | |
| | | | Iron | <0.1 | | | |
| | | | Lead | <0.01 | | | |
| | | | Manganese, Total | <0.05 | | | |
| | | | Zinc | <0.1 | | | |
| | | 03-04-71 0825 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 0.5 | Mg/L | | |
| | | | Suspended Solids | 33 | Mg/L | 5001 | 5006 |
| | | 03-24-71 1300 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 04-06-71 1130 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.5 | Mg/L | | |
| | | | BOD (7 days) | 0.8 | Mg/L | | |
| | | 04-21-71 1205 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 05-04-71 1105 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.3 | Mg/L | | |
| | | | Suspended Solids | 38 | Mg/L | 5001 | 5006 |
| | | | Cadmium, Total | 0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | <0.01 | Mg/L | | |
| | | 05-19-71 1245 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | 06-02-71 1105 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.1 | Mg/L | | |
| | | | Suspended Solids | 42 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.07 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |
| | | 06-16-71 1100 | Secchi Disk | 1.2 | Ft. | 5001 | 5001 |
| | | 06-30-71 0925 | Secchi Disk | 1.5 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.8 | Mg/L | | |
| | | | Suspended Solids | 30 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.04 | Mg/L | | |
| | | 07-15-71 1115 | Secchi Disk | 2.3 | Ft. | 5001 | 5001 |
| | | 08-03-71 1345 | Secchi Disk | 1.9 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.9 | Mg/L | | |
| | | | Suspended Solids | 16 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 3 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.06 | Mg/L | | |
| | | | Iron | 0.2 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |
| | | 08-17-71 1535 | Secchi Disk | 1.5 | Ft. | 5001 | 5001 |
| | | 08-31-71 1245 | Secchi Disk | 0.9 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.7 | Mg/L | | |
| | | | Suspended Solids | 93 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | 09-15-71 1415 | Secchi Disk | 2.2 | Ft. | 5001 | 5001 |
| | | 09-28-71 1050 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.1 | Mg/L | | |
| | | | Suspended Solids | 18 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 6 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 802.5 208.1 | SUISUN BAY AT BENICIA (MIDDLE OF PIER) | 06-03-71 1015 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| EO B 802.8 155.0 | SACRAMENTO RIVER AT CHIPPS ISLAND | 10-07-70 1200 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 87 | Mg/L | 5001 | 5006 |
| | | 11-20-70 1130 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.7 | Mg/L | | |
| | | | Suspended Solids | 18 | Mg/L | 5001 | 5006 |
| | | | Cadmium | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead | <0.01 | Mg/L | | |
| | | | Manganese, Total | <0.05 | Mg/L | | |
| | | | Zinc | <0.1 | Mg/L | | |
| | | 03-04-71 1000 | Secchi Disk | 0.9 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.2 | Mg/L | | |
| | | | Suspended Solids | 45 | Mg/L | 5001 | 5006 |
| | | 03-24-71 1345 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 04-06-71 1245 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | | BOD (7 days) | 1.6 | Mg/L | | |
| | | 04-21-71 1255 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | 05-04-71 1305 | Secchi Disk | 1.4 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.3 | Mg/L | | |
| | | | Suspended Solids | 30 | Mg/L | 5001 | 5006 |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/ | | |
| | | 05-19-71 1335 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | 06-02-71 1235 | Secchi Disk | 1.4 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 36 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 9 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.06 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |
| | | 06-16-71 1150 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | 06-30-71 1105 | Secchi Disk | 1.2 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.7 | Mg/L | | |
| | | | Suspended Solids | 34 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | 0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | <0.01 | Mg/L | | |
| | | 07-15-71 1205 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | 08-03-71 1520 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.7 | Mg/L | | |
| | | | Suspended Solids | 57 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 6 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.05 | Mg/L | | |
| | | | Iron | 0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |
| | | 08-31-71 1430 | Secchi Disk | 1.2 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 60 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 802.8 155.0 | SACRAMENTO RIVER AT CHIPPS ISLAND (Continued) | 09-15-71 1500 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | Cadmium, Total | <0.01 | Mg/L | 5001 | 5006 |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | 0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.02 | Mg/L | | |
| | | 09-28-71 1230 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.2 | Mg/L | | |
| | | | Suspended Solids | 26 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| EO B 803.2 204.8 | SUISUN BAY ABOVE AVON PIER | 10-09-70 1235 | Secchi Disk | 1.2 | Ft. | 5001 | 5001 |
| | | 03-04-71 0845 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.8 | Mg/L | | |
| EO B 803.5 217.0 | SAN PABLO BAY NEAR RODEO | 03-24-71 1200 | Secchi Disk | 2.0 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.5 | Mg/L | | |
| | | | BOD (7 days) | 1.2 | Mg/L | | |
| | | 04-21-71 1120 | Secchi Disk | 1.2 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.1 | Mg/L | | |
| | | 05-19-71 1200 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.0 | Mg/L | | |
| | | | Suspended Solids | 34 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 4 | Mg/L | | |
| | | 06-06-71 1005 | Secchi Disk | 1.8 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 27 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 7 | Mg/L | | |
| | | 07-15-71 1025 | Secchi Disk | 1.7 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.0 | Mg/L | | |
| | | | Suspended Solids | 31 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 2 | Mg/L | | |
| | | 08-17-71 1500 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.3 | Mg/L | | |
| | | | Suspended Solids | 39 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| | | 09-15-71 1340 | Secchi Disk | 2.1 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 0.9 | Mg/L | | |
| | | | Suspended Solids | 11 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| EO B 803.6 159.3 | SUISUN BAY OFF MIDDLE POINT NEAR NICHOLS | 10-09-70 1310 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.7 | Mg/L | | |
| | | 03-04-71 0915 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 05-04-71 1215 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 06-02-71 1150 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | 06-30-71 1020 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 08-03-71 1435 | Secchi Disk | 0.9 | Ft. | 5001 | 5001 |
| | | 08-31-71 1340 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 09-28-71 1145 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| EO B 804.0 203.0 | SUISUN BAY NEAR PRESTON POINT | 10-09-70 1245 | Secchi Disk | 0.9 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.0 | Mg/L | | |
| | | 03-04-71 0900 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | 05-04-71 1150 | Secchi Disk | 0.3 | Ft. | 5001 | 5001 |
| | | | Cadmium, Total | 0.01 | Mg/L | 5001 | 5006 |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.1 | Mg/L | | |
| | | 06-02-71 1130 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | | Cadmium, Total | <0.01 | Mg/L | 5001 | 5006 |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.06 | Mg/L | | |
| | | | Iron | 0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 804.0 203.0 | SUISUN BAY NEAR PRESTON POINT (Continued) | 06-30-71 0955 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | Cadmium, Total | <0.01 | Mg/L | 5001 | 5006 |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.04 | Mg/L | | |
| | | 08-03-71 1415 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | | Cadmium, Total | <0.01 | Mg/L | 5001 | 5006 |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.06 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.04 | | | |
| | | 08-31-71 1310 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 09-28-71 1115 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| EO B 804.4 156.2 | HONKER BAY NEAR WHEELER POINT | 10-09-70 1330 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.7 | Mg/L | | |
| | | 03-04-71 0935 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.3 | Mg/L | | |
| | | | Suspended Solids | 39 | Mg/L | 5001 | 5006 |
| | | 03-23-71 1135 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 04-06-71 1215 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.6 | Mg/L | | |
| | | | BOD (7 days) | 1.4 | Mg/L | | |
| | | 04-20-71 1030 | Secchi Disk | 0.9 | Ft. | 5001 | 5001 |
| | | 05-04-71 1240 | Secchi Disk | 1.2 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 3.0 | Mg/L | | |
| | | | Suspended Solids | 32 | Mg/L | 5001 | 5006 |
| | | 05-18-71 1020 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 06-02-71 1210 | Secchi Disk | 1.3 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.5 | Mg/L | | |
| | | | Suspended Solids | 54 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | 06-15-71 0940 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | 06-30-71 1035 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.8 | Mg/L | | |
| | | | Suspended Solids | 50 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| | | 07-14-71 0835 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 08-03-71 1455 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.7 | Mg/L | | |
| | | | Suspended Solids | 72 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | 08-16-71 1245 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 08-31-71 1400 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.2 | Mg/L | | |
| | | | Suspended Solids | 87 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | 09-14-71 1310 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | 09-28-71 1200 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.3 | Mg/L | | |
| | | | Suspended Solids | 44 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 8 | Mg/L | | |
| EO B 805.3 226.3 | SAN PABLO BAY NEAR MOUTH OF PETALUMA RIVER | 03-24-71 1100 | Secchi Disk | 1.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.5 | Mg/L | | |
| | | | BOD (7 days) | 0.5 | Mg/L | | |
| | | 04-21-71 1015 | Secchi Disk | 1.1 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.2 | Mg/L | | |
| | | 05-19-71 1050 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.7 | Mg/L | | |
| | | | Suspended Solids | 38 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 6 | Mg/L | | |
| | | 06-16-71 0840 | Secchi Disk | 1.8 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 16 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 0 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 805.3 226.3 | SAN PABLO BAY NEAR MOUTH OF PETALUMA RIVER (Continued) | 07-15-71 0915 | Secchi Disk | 1.5 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.2 | Mg/L | | |
| | | | Suspended Solids | 32 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 3 | Mg/L | | |
| | | 08-17-71 1335 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.5 | Mg/L | | |
| | | | Suspended Solids | 19 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 8 | Mg/L | | |
| | | 09-15-71 1240 | Secchi Disk | 3.5 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.3 | Mg/L | | |
| | | | Suspended Solids | 10 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 5 | Mg/L | | |
| EO B 807.0 202.3 | GRIZZLY BAY AT DOLPHIN NEAR SUISUN SLOUGH | 10-07-70 1000 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.9 | Mg/L | | |
| | | | Suspended Solids | 245 | Mg/L | 5001 | 5006 |
| | | 11-20-70 1000 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.8 | Mg/L | | |
| | | | Suspended Solids | 65 | Mg/L | 5001 | 5006 |
| | | 03-04-71 0755 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 0.9 | Mg/L | | |
| | | | Suspended Solids | 43 | Mg/L | 5001 | 5006 |
| | | 03-23-71 1030 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | 04-06-71 1030 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 0.9 | Mg/L | | |
| | | | BOD (7 days) | 1.0 | Mg/L | | |
| | | 04-20-71 0955 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | 05-04-71 1015 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.1 | Mg/L | | |
| | | | Suspended Solids | 88 | Mg/L | 5001 | 5006 |
| | | | Cadmium, Total | 0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | <0.01 | Mg/L | | |
| | | 05-18-71 0920 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 06-02-71 1020 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.7 | Mg/L | | |
| | | | Suspended Solids | 84 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.06 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.03 | Mg/L | | |
| | | 06-15-71 0900 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 06-30-71 0835 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.9 | Mg/L | | |
| | | | Suspended Solids | 95 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.04 | Mg/L | | |
| | | 07-14-71 0745 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | 08-03-71 1300 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.6 | Mg/L | | |
| | | | Suspended Solids | 68 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 9 | Mg/L | | |
| | | | Cadmium, Total | <0.01 | Mg/L | | |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | 0.09 | Mg/L | | |
| | | | Iron | 0.2 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.05 | Mg/L | | |
| | | 08-16-71 1200 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 08-31-71 1200 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.0 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 807.0 202.3 | GRIZZLY BAY AT DOLPHIN NEAR SUISUN SLOUGH (Continued) | 08-31-71 1200 | Suspended Solids | 47 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 7 | Mg/L | | |
| | | 09-14-71 1200 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | Cadmium, Total | <0.01 | Mg/L | 5001 | 5006 |
| | | | Chromium | <0.01 | Mg/L | | |
| | | | Copper, Total | <0.05 | Mg/L | | |
| | | | Iron | <0.1 | Mg/L | | |
| | | | Lead, Total | <0.01 | Mg/L | | |
| | | | Manganese | <0.05 | Mg/L | | |
| | | | Zinc, Total | 0.02 | Mg/L | | |
| | | 09-28-71 0950 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.5 | Mg/L | | |
| | | | Suspended Solids | 35 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 4 | Mg/L | | |
| EO S 809.2 205.3 | CORDELIA SLOUGH AT CYGNUS | 10-07-70 0840 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.9 | Mg/L | | |
| | | 11-06-70 0920 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 109 | Mg/L | 5001 | 5006 |
| | | 12-09-70 1040 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.7 | Mg/L | | |
| | | 01-06-71 1020 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.8 | Mg/L | | |
| | | 02-05-71 1000 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.1 | Mg/L | | |
| | | | BOD (7 days) | 1.6 | Mg/L | | |
| | | 03-05-71 0915 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | | BOD (7 days) | 1.8 | Mg/L | | |
| | | 04-05-71 1020 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | 05-17-71 1115 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.9 | Mg/L | | |
| | | | Suspended Solids | 193 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 20 | Mg/L | | |
| | | 06-18-71 1015 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.8 | Mg/L | | |
| | | 07-30-71 1005 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.0 | Mg/L | | |
| | | 08-27-71 0900 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 62 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 2 | Mg/L | | |
| | | 09-27-71 1000 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.9 | Mg/L | | |
| EO S 810.8 202.8 | SUISUN SLOUGH AT VOLANTI SLOUGH ON JOICE ISLAND | 10-07-70 1040 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.6 | Mg/L | | |
| | | 11-06-70 1215 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 72 | Mg/L | 5001 | 5006 |
| | | 12-09-70 1305 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.5 | Mg/L | | |
| | | 01-06-71 1245 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.5 | Mg/L | | |
| | | 02-05-71 1255 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.3 | Mg/L | | |
| | | | BOD (7 days) | 1.8 | Mg/L | | |
| | | 03-05-71 1115 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.7 | Mg/L | | |
| | | | BOD (7 days) | 2.4 | Mg/L | | |
| | | 04-05-71 1305 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | 05-17-71 1405 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.8 | Mg/L | | |
| | | | Suspended Solids | 112 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 16 | Mg/L | | |
| | | 06-18-71 1240 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 3.1 | Mg/L | | |
| | | 07-30-71 1230 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.2 | Mg/L | | |
| | | 08-27-71 1240 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 29 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 3 | Mg/L | | |
| | | 09-27-71 1250 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.6 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO S 811.0 204.8 | CHADBOURNE SLOUGH AT CHADBOURNE ROAD NEAR SUISUN | 10-07-70 0950 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.5 | Mg/L | | |
| | | 11-06-70 1040 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.0 | Mg/L | | |
| | | | Suspended Solids | 77 | Mg/L | 5001 | 5006 |
| | | 12-09-70 1215 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 3.1 | Mg/L | | |
| | | 01-06-71 1110 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | 02-05-71 1120 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.2 | Mg/L | | |
| | | | BOD (7 days) | 1.8 | Mg/L | | |
| | | 03-05-71 1015 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.0 | Mg/L | | |
| | | | BOD (7 days) | 9.3 | Mg/L | | |
| | | 04-05-71 1155 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | 05-17-71 1250 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 4.4 | Mg/L | | |
| | | | Suspended Solids | 187 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 17 | Mg/L | | |
| | | 06-18-71 1135 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.2 | Mg/L | | |
| | | 07-30-71 1120 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.1 | Mg/L | | |
| | | 08-27-71 1115 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 103 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 10 | Mg/L | | |
| | | 09-27-71 1115 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 2.0 | Mg/L | | |
| EO S 811.2 158.5 | MONTEZUMA SLOUGH AT GRIZZLY ISLAND ROAD | 10-07-70 1110 | Secchi Disk | 0.8 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.6 | Mg/L | | |
| | | 11-06-70 1300 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.4 | Mg/L | | |
| | | | Suspended Solids | 61 | Mg/L | 5001 | 5006 |
| | | 12-09-70 1345 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.9 | Mg/L | | |
| | | 01-06-71 1320 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.3 | Mg/L | | |
| | | 02-05-71 1340 | Secchi Disk | 0.3 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.3 | Mg/L | | |
| | | | BOD (7 days) | 1.8 | Mg/L | | |
| | | 03-05-71 1220 | Secchi Disk | 0.4 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.7 | Mg/L | | |
| | | | BOD (7 days) | 2.4 | Mg/L | | |
| | | 04-05-71 1345 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 05-17-71 1450 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.8 | Mg/L | | |
| | | | Suspended Solids | 98 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 11 | Mg/L | | |
| | | 06-18-71 1320 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.7 | Mg/L | | |
| | | 07-30-71 1310 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 7.7 | Mg/L | | |
| | | 08-27-71 1330 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | | Suspended Solids | 67 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 6 | Mg/L | | |
| | | 09-27-71 1320 | Secchi Disk | 0.6 | Ft. | 5001 | 5001 |
| | | | BOD (7 days) | 1.8 | Mg/L | | |
| EO S 811.5 207.2 | CORDELIA SLOUGH AT UPPER END NEAR CORDELIA | 10-07-70 0910 | Secchi Disk | 1.0 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 1.2 | Mg/L | | |
| | | 04-05-71 1120 | Secchi Disk | 0.7 | Ft. | 5001 | 5001 |
| | | 05-17-71 1205 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.5 | Mg/L | | |
| | | | Suspended Solids | 141 | Mg/L | 5001 | 5006 |
| | | | Volatile Suspended Solids | 17 | Mg/L | | |
| | | 06-18-71 1100 | Secchi Disk | 0.5 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.6 | Mg/L | | |
| | | 07-30-71 1040 | Secchi Disk | 0.3 | Ft. | 5001 | 5001 |
| | | | BOD (5 days) | 2.3 | Mg/L | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | 04-05-7 1415 | | | | | |
| | | 06-18-7 1345 | | | | | |
| | | 07-30-7 1335 | | | | | |
| | | 08-27-7 1400 | | | | | |
| | | 09-27-7 1345 | | | | | |
| E3 1250.00 | NAPA RIVER NEAR NAPA | 05-13-7 1100 | | | | | |
| E3 2100.51 | GREEN VALLEY CREEK AT CORDELIA | 11-06-7 1005 | | | | | |
| | | 12-09-7 1115 | | | | | |
| | | 01-06-7 1040 | | | | | |
| | | 02-05-7 1030 | | | | | |
| | | 03-05-7 0950 | | | | | |
| E4 4180.01 | WALNUT CREEK AT HIGHWAY 4 | 06-09-7 0900 | | | | | |
| E5 1400.00 | ARROYO VALLE NEAR LIVERMORE | 06-09-7 1000 | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.2 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| E6 5100.00 | SARATOGA CREEK AT SARATOGA | 06-09-71 1120 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.1 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| F8 2100.00 | NAVARRO RIVER NEAR NAVARRO | 05-05-71 -- | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |

TABLE D-3 (Cont.)

# MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

| Station Number | Station | Date Time | Constituents | | | Samp | Lab |
|---|---|---|---|---|---|---|---|
| F8 3100.00 | NOYO RIVER NEAR FORT BRAGG | 05-05-71 -- | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.0 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| F9 1100.00 | RUSSIAN RIVER NEAR GUERNEVILLE | 05-13-71 0800 | Arsenic | 0.00 | Mg/L | 5050 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| F9 1765.00 | RUSSIAN RIVER NEAR HOPLAND | 05-20-71 1630 | Arsenic | 0.00 | Mg/L | 5000 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |
| F9 1850.00 | RUSSIAN RIVER NEAR UKIAH | 05-20-71 1300 | Arsenic | 0.00 | Mg/L | 5000 | 5050 |
| | | | Barium | 0.1 | Mg/L | | |
| | | | Cadmium | 0.00 | Mg/L | | |
| | | | Lead | 0.00 | Mg/L | | |
| | | | Mercury, Total | 0.0 | Ug/L | | |
| | | | Selenium | 0.00 | Mg/L | | |

TABLE D-4

NUTRIENT ANALYSIS OF SURFACE WATER

## Lab and Sampler Agency Codes

| | | |
|---|---|---|
| 5000 | - | U. S. Geological Survey |
| 5001 | - | U. S. Bureau of Reclamation |
| 5050 | - | Department of Water Resources |
| 5063 | - | Santa Cruz County Health Department |

## Abbreviations

| | | |
|---|---|---|
| TIME | - | Pacific Standard Time on a 24-hour clock |
| G.H. | - | Instantaneous gage height in feet above an established datum |
| Q | - | Instantaneous discharge measured in cubic feet per second |
| TEMP | - | Water temperature in degrees Fahrenheit (F) or Celsius (C) |
| TURB | - | Jackson Turbidity Units measured with a Hellege Turbidmeter (E) or a Hach Nephelometer (A) |
| PH | - | Measure of acidity or alkalinity of water |
| EC | - | Electrical conductance in micromhos at 25° C |
| HCO3 | - | Bicarbonate |
| CO3 | - | Carbonate |

## Nitrogen Series as N

| | | |
|---|---|---|
| NO2 | - | Unfiltered nitrite |
| NH3 | - | Unfiltered ammonia |
| NO3 | - | Unfiltered nitrate |
| ORG N | - | Organic nitrogen |
| DIS ORG N | - | Dissolved organic nitrogen |
| NH3 + ORG N | - | Ammonia plus organic nitrogen |

## Phosphorus Series as P

| | | |
|---|---|---|
| FIL A.H.PO4 | - | Filterable acid hydrolyzable phosphate |
| F PO4 | - | Filterable orthophosphate |
| U PO4 | - | Unfiltered orthophosphate |
| F TOT P | - | Filterable total phosphorus |
| U TOT P | - | Unfiltered total phosphorus |

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP TURB | FIELD PH | LABORATORY EC | LAB HCO3 CO3 | NO2 NH3 | NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N | DIS ORG N | NH3 + ORG N | FIL. A.H.PO4 | F PO4 U PO4 | F TOT P U TOT P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DO | 1100.00 | | BRANCIFORTE CREEK AT SANTA CRUZ | | | | | | | | | |
| 3/15/71 | 5063 | | 54 F | 7.5 | 273 | 71 | | | | | | 0.08 | |
| 1530 | 5050 | | 30E | 7.7 | 262 | 0 | | | | | | | |
| 9/27/71 | 5063 | | 57.0F | 8.0 | 485 | 186 | | | | | | 0.17 | |
| 1230 | 5050 | | 30E | 8.1 | 469 | 0 | | | | | | | |
| | DO | 1180.01 | | SAN LORENZO RIVER AT PARADISE PARK | | | | | | | | | |
| 3/15/71 | 5063 | | 52 F | 7.8 | 289 | 100 | | | | | | 0.08 | |
| 1200 | 5050 | | 35E | 7.8 | 297 | 0 | | | | | | | |
| 9/27/71 | 5063 | | 54.0F | 7.9 | 350 | 132 | | | | | | 0.16 | |
| 1010 | 5050 | | 3E | 8.0 | 354 | 0 | | | | | | | |
| | DO | 1220.01 | | ZAYANTE CREEK AT FELTON | | | | | | | | | |
| 3/15/71 | 5063 | | 51 F | 7.7 | 372 | 119 | | | | | | 0.20 | |
| 1110 | 5050 | | 550E | 7.9 | 367 | 0 | | | | | | | |
| 9/27/71 | 5063 | | 52.0F | 7.8 | 380 | 126 | | | | | | 0.33 | |
| 0940 | 5050 | | 2E | 8.1 | 377 | 0 | | | | | | | |
| | DO | 1498.01 | | SAN LORENZO RIVER AT BOULDER CREEK | | | | | | | | | |
| 3/15/71 | 5063 | 2.22 | 47 F | 7.6 | 315 | 98 | | | | | | 0.05 | |
| 1000 | 5050 | 3.5 | 80E | 7.8 | 306 | 0 | | | | | | | |
| 9/27/71 | 5063 | | 54.0F | 7.8 | 520 | 184 | | | | | | 0.10 | |
| 0900 | 5050 | | 15E | 8.1 | 514 | 0 | | | | | | | |
| | DO | 2020.00 | | APTOS CREEK BELOW VALENCIA CREEK AT APTOS | | | | | | | | | |
| 3/15/71 | 5063 | 3.24 | 53 F | 8.1 | 555 | 208 | | | | | | 0.13 | |
| 1350 | 5050 | 5.3 | 100E | 8.3 | 550 | 0 | | | | | | | |
| 9/27/71 | 5063 | | 57.0F | 8.3 | 670 | 306 | | | | | | 0.21 | |
| 1350 | 5050 | | 2E | 8.4 | 863 | 5 | | | | | | | |
| | DO | 3100.00 | | SOQUEL CREEK AT SOQUEL | | | | | | | | | |
| 3/15/71 | 5063 | 2.86 | 58 F | 8.1 | 538 | 174 | | | | | | 0.06 | |
| 1430 | 5050 | 35 | 12E | 8.1 | 525 | 0 | | | | | | | |
| 9/27/71 | 5063 | 2.48 | 66.0F | 8.4 | 710 | 224 | | | | | | 0.14 | |
| 1300 | 5050 | | 1E | 8.5 | 705 | 6 | | | | | | | |
| | DO | 4010.01 | | SCOTT CREEK AT HIGHWAY 1 NEAR DAVENPORT | | | | | | | | | |
| 3/15/71 | 5063 | | 48 F | 7.1 | 173 | 58 | | | | | | 0.02 | |
| 0900 | 5050 | | 15E | 7.5 | 212 | 0 | | | | | | | |
| 9/27/71 | 5063 | | 53.0F | 7.4 | 1150 | 114 | | | | | | 0.07 | |
| 0750 | 5050 | | 2E | 7.8 | 611 | 0 | | | | | | | |
| | FO | B 735.0 | 215.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (SHIP CHANNEL) | | | | | | | | | |
| 3/16/71 | 5050 | | 53 F | 8.0 | 37000 | | | 0.54 | | | | 0.20 | |
| 1020 | 5050 | | 30E | | 32200 | | 0.08 | 0.3 | | 0.38 | 0.04 | | 0.28 |
| 4/13/71 | 5050 | | 58 F | 8.1 | 36000 | | | 0.43 | | | | 0.18 | |
| 0920 | 5050 | | 15E | | 33700 | | 0.02 | 0.2 | | 0.22 | 0.00 | | 0.23 |
| 6/23/71 | 5050 | | 65 F | 8.3 | 39000 | | | 0.45 | | | | 0.34 | |
| 0810 | 5050 | | 6E | | 36400 | | 0.00 | 0.4 | | 0.4 | 0.00 | | 0.46 |
| 7/08/71 | 5050 | | 67 F | 8.2 | 40000 | | | 0.12 | | | | 0.26 | |
| 0820 | 5050 | | 4E | | 38100 | | 0.00 | 0.2 | | 0.2 | 0.04 | | 0.31 |
| 8/10/71 | 5050 | | 70 F | 8.0 | | | | 0.26 | | | | 0.30 | |
| 1030 | 5050 | | 8E | | 39500 | | 0.00 | 0.3 | | 0.3 | 0.06 | | 0.36 |
| 9/21/71 | 5050 | | 70 F | 8.1 | | | | 0.36 | | | | 0.39 | |
| 0915 | 5050 | | 9E | | 41900 | | 0.00 | 0.1 | | 0.1 | 0.01 | | 0.46 |
| | EO | B 736.2 | 211.6 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE | | | | | | | | | |
| 10/21/70 | 5050 | | 61 F | 7.9 | 42000 | | | 0.31 | | | | 0.33 | |
| 1000 | 5050 | | 6E | | 43700 | | 0.51 | 1.4 | | 1.91 | 0.03 | | 0.38 |
| 11/17/70 | 5050 | | 59 F | 8.2 | 41000 | | | 0.39 | | | | 0.26 | |
| 0950 | 5050 | | 10E | | 41800 | | 0.06 | 0.2 | | 0.26 | 0.00 | | 0.28 |
| 12/16/70 | 5050 | | 52 F | 7.7 | 32000 | | | 2.8 | | | | 0.15 | |
| 0815 | 5050 | | 25E | | 33000 | | 0.16 | 0.0 | | 0.16 | 0.08 | | 0.24 |
| 1/28/71 | 5050 | | 51 F | 8.0 | 30500 | | | 0.43 | | | | 0.13 | |
| 0750 | 5050 | | 45E | | 29100 | | 0.08 | 0.0 | | 0.08 | 0.01 | | 0.14 |
| 2/17/71 | 5050 | | 54 F | 8.0 | 33000 | | | 0.49 | | | | 0.17 | |
| 1330 | 5050 | | 20E | | 29200 | | 0.08 | 0.3 | | 0.38 | 0.04 | | 0.21 |
| 5/11/71 | 5050 | | 57.0F | 7.9 | 40000 | | | 0.43 | | | | 0.29 | |
| 0810 | 5050 | | 40E | | 31800 | | 0.15 | 0.2 | | 0.35 | 0.05 | | 0.37 |
| | EO | B 736.2 | 212.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (PIER 662) | | | | | | | | | |
| 6/23/71 | 5050 | | 65 F | 8.4 | 39000 | | | 0.05 | | | | 0.17 | |
| 0845 | 5050 | | 8E | | 37400 | | 0.00 | 0.2 | | 0.2 | 0.00 | | 0.24 |
| 7/08/71 | 5050 | | 65 F | 8.2 | 40000 | | | 0.04 | | | | 0.15 | |
| 0915 | 5050 | | 3E | | 38000 | | 0.00 | 0.2 | | 0.2 | 0.04 | | 0.20 |
| 8/10/71 | 5050 | | 70 F | 8.1 | | | | 0.12 | | | | 0.23 | |
| 1115 | 5050 | | 9E | | 40100 | | 0.00 | 0.2 | | 0.2 | 0.06 | | 0.31 |
| 9/21/71 | 5050 | | 70 F | 8.3 | | | | 0.04 | | | | 0.36 | |
| 1050 | 5050 | | 4E | | 41400 | | 0.00 | 0.2 | | 0.2 | 0.00 | | 0.42 |

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP TURB | FIELD PH | LABORATORY EC | LAB HCO3 CO3 | NO2 NH3 | NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N | DIS ORG N | NH3 + ORG N | FIL. A.H.PO4 | F PO4 U PO4 | F TOT P U TOT P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EO B 748.1 222.4 | | | SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND | | | | | | | | | | |
| 10/21/70 | 5050 | | 59 F | 7.8 | 41000 | | | 0.28 | | | | 0.09 | |
| 1030 | 5050 | | 4E | | 41000 | | 0.01 | 0.6 | | 0.61 | 0.00 | | 0.09 |
| 11/17/70 | 5050 | | 58 F | 8.2 | 41000 | | | 0.24 | | | | 0.08 | |
| 1100 | 5050 | | 8E | | 40200 | | 0.04 | 0.0 | | 0.04 | 0.00 | | 0.10 |
| 12/16/70 | 5050 | | 53 F | 7.9 | 31000 | | | 4.0 | | | | 0.07 | |
| 1030 | 5050 | | 12E | | 32500 | | 0.00 | 0.2 | | 0.2 | 0.02 | | 0.10 |
| 1/28/71 | 5050 | | 50 F | 7.4 | 33000 | | | 0.28 | | | | 0.06 | |
| 0730 | 5050 | | 20E | | 30200 | | 0.01 | 0.0 | | 0.01 | 0.01 | | 0.10 |
| 2/17/71 | 5050 | | 52 F | 7.9 | 34000 | | | 0.31 | | | | 0.06 | |
| 1350 | 5050 | | 7E | | 30500 | | 0.00 | 0.1 | | 0.1 | 0.02 | | 0.08 |
| 3/16/71 | 5050 | | 52 F | 8.0 | 42000 | | | 0.39 | | | | 0.09 | |
| 1005 | 5050 | | 7E | | 37700 | | 0.00 | 0.1 | | 0.1 | 0.01 | | 0.14 |
| 4/13/71 | 5050 | | 55 F | 8.1 | 36000 | | | 0.30 | | | | 0.06 | |
| 0910 | 5050 | | 7E | | 33900 | | 0.05 | 0.1 | | 0.15 | 0.00 | | 0.09 |
| 5/11/71 | 5050 | | 60.5F | 8.0 | 35000 | | | 0.31 | | | | 0.10 | |
| 0812 | 5050 | | 15E | | 36800 | | 0.09 | 0.0 | | 0.09 | 0.08 | | 0.18 |
| EO B 749.2 222.4 | | | SAN FRANCISCO BAY AT TREASURE ISLAND | | | | | | | | | | |
| 6/23/71 | 5050 | | 59 F | 8.2 | 40500 | | | 0.36 | | | | 0.10 | |
| 0700 | 5050 | | 9E | | 39200 | | 0.01 | 0.2 | | 0.21 | 0.00 | | 0.15 |
| 7/08/71 | 5050 | | 61 F | 7.7 | 43000 | | | 0.34 | | | | 0.11 | |
| 0640 | 5050 | | 7E | | 39800 | | 0.00 | 0.0 | | 0.0 | 0.03 | | 0.15 |
| 8/10/71 | 5050 | | 64 F | 7.9 | | | | 0.25 | | | | 0.11 | |
| 0900 | 5050 | | 6E | | 41500 | | 0.00 | 0.1 | | 0.1 | 0.04 | | 0.15 |
| 9/21/71 | 5050 | | 63 F | 7.9 | | | | 0.21 | | | | 0.09 | |
| 0715 | 5050 | | 3E | | 40100 | | 0.00 | 0.3 | | 0.3 | 0.02 | | 0.14 |
| EO B 757.7 226.2 | | | SAN PABLO STRAIT WEST OF THE BROTHERS | | | | | | | | | | |
| 10/21/70 | 5050 | | 60 F | 7.9 | 35000 | | | 0.29 | | | | 0.08 | |
| 1120 | 5050 | | 3E | | 35500 | | 0.01 | 0.5 | | 0.51 | 0.00 | | 0.08 |
| 11/17/70 | 5050 | | 59 F | 8.2 | 38000 | | | 0.29 | | | | 0.08 | |
| 1145 | 5050 | | 6E | | 35300 | | 0.04 | 0.1 | | 0.14 | 0.00 | | 0.09 |
| 12/16/70 | 5050 | | 51 F | 7.5 | 13000 | | | 3.0 | | | | 0.06 | |
| 1220 | 5050 | | 20E | | 13700 | | 0.05 | 0.3 | | 0.35 | 0.03 | | 0.10 |
| 1/28/71 | 5050 | | 50 F | 7.5 | 28000 | | | 0.33 | | | | 0.04 | |
| 1000 | 5050 | | 25E | | 25600 | | 0.02 | 0.1 | | 0.12 | 0.02 | | 0.06 |
| 2/17/71 | 5050 | | 52 F | 7.8 | 21000 | | | 0.33 | | | | 0.06 | |
| 1450 | 5050 | | 15E | | 18500 | | 0.05 | 0.5 | | 0.55 | 0.02 | | 0.08 |
| 3/16/71 | 5050 | | 53 F | 7.8 | 15000 | | | 0.40 | | | | 0.09 | |
| 1050 | 5050 | | 10E | | 22600 | | 0.01 | 0.3 | | 0.31 | 0.02 | | 0.11 |
| 4/13/71 | 5050 | | 56 F | 7.8 | 21500 | | | 0.23 | | | | 0.05 | |
| 1010 | 5050 | | 25E | | 20100 | | 0.06 | 0.0 | | 0.06 | 0.03 | | 0.08 |
| 5/11/71 | 5050 | | 59.0F | 7.8 | 20800 | | | 0.23 | | | | 0.07 | |
| 1000 | 5050 | | 30E | | 25200 | | 0.12 | 0.0 | | 0.12 | 0.02 | | 0.09 |
| EO B 801.8 222.3 | | | SAN PABLO BAY NEAR PINOLE POINT | | | | | | | | | | |
| 3/24/71 | 5001 | | 12 C | 7.7 | | | | 0.3 | | | | | |
| 1130 | 5000 | | 14A | | 38100 | | 5.10 | 0.47 | | 5.57 | | 0.26 | 0.31 |
| 4/21/71 | 5001 | | 13 C | 7.8 | | 105 | | 0.3 | | | | | |
| 1055 | 5000 | | 13A | | 27300 | 0 | 2.60 | 0.22 | | 2.82 | | 0.18 | 0.28 |
| 5/19/71 | 5001 | | 16 C | 7.9 | | 61 | | 0.3 | | | | | |
| 1130 | 5000 | | 8A | | 25500 | 0 | 3.80 | 0.24 | 0.19 | 4.04 | | 0.05 | 0.13 |
| 6/16/71 | 5001 | | 17 C | 7.5 | | 108 | | 0.2 | | | | | |
| 0930 | 5000 | | 6A | | 27800 | 0 | 2.00 | 0.26 | 0.17 | 2.26 | | 0.07 | 0.12 |
| 7/15/71 | 5001 | | 18 C | 7.8 | | 113 | | 0.3 | | | | | |
| 0950 | 5001 | | 4A | | 32500 | 0 | 0.09 | | | | | 0.13 | 0.15 |
| 8/17/71 | 5001 | | 19 C | 8.1 | | 118 | | 0.3 | | | | | |
| 1430 | 5001 | | 10A | | 36200 | 0 | 0.09 | | | | | 0.15 | 0.20 |
| 9/15/71 | 5001 | | 21 C | 7.8 | | 74 | | 0.2 | | | | | |
| 1310 | 5001 | | 6A | | 34700 | 0 | 0.06 | | | | | 0.12 | 0.19 |
| EO B 802.3 207.1 | | | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ | | | | | | | | | | |
| 10/07/70 | 5001 | | 17 C | 7.7 | | | | 0.09 | | | | | |
| 1045 | 5000 | | 28A | | 15100 | | 0.00 | 0.34 | 0.24 | 0.34 | | 0.09 | 0.19 |
| 11/20/70 | 5001 | | 15 C | 7.6 | | | | 0.16 | | | | | |
| 1035 | 5000 | | 22A | | 16500 | | 0.08 | 0.69 | 0.65 | 0.77 | | 0.09 | 0.13 |
| 3/04/71 | 5001 | | 10 C | 6.7 | | 96 | | 0.20 | | | | | |
| 0825 | 5000 | | 28A | | 14800 | 0 | 1.20 | 0.18 | 0.12 | 1.38 | | 0.09 | 0.13 |
| 4/06/71 | 5001 | | 15 C | 7.7 | | 79 | | 0.20 | | | | | |
| 1130 | 5000 | | 30A | | 7350 | 0 | 0.0 | 0.30 | 0.10 | 0.3 | | 0.01 | 0.17 |
| 5/04/71 | 5001 | | 14 C | 7.5 | | 79 | | 0.18 | | | | | |
| 1105 | 5000 | | 32A | | 14400 | 0 | 1.70 | 0.23 | 0.19 | 1.93 | | 0.09 | 0.10 |
| 6/02/71 | 5001 | | 17 C | 7.8 | | 79 | | 0.08 | | | | | |
| 1105 | 5000 | | 19A | | 7240 | 0 | 0.25 | 0.22 | 0.20 | 0.47 | | 0.08 | 0.12 |
| 6/30/71 | 5001 | | 20 C | 7.5 | | 78 | | 0.20 | | | | | |
| 0925 | 5000 | | 18A | | 10200 | 0 | | | | | | 0.08 | 0.14 |

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP TURB | FIELD LABORATORY PH | EC | LAB HCO3 CO3 | NO2 NH3 | NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N | DIS ORG N | NH3 + ORG N | FIL. A.H.PO4 | F PO4 U PO4 | F TOT P U TOT P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EO B 802.3 207.1 | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ | | | | | | | | | CONTINUED | | | |
| 8/03/71 | 5001 | | 21 C | 8.0 | | 80 | | 0.16 | | | | | |
| 1345 | 5001 | | 16A | | 17800 | 0 | 0.05 | | 0.01 | | | 0.09 | 0.18 |
| 8/31/71 | 5001 | | 21 C | 7.9 | | 69 | | 0.15 | | | | | |
| 1245 | 5001 | | 20A | | 11900 | 0 | 0.05 | | | | | 0.09 | 0.19 |
| 9/28/71 | 5001 | | 18 C | 7.7 | | 90 | | 0.15 | | | | | |
| 1050 | 5001 | | 22A | | 11300 | 0 | 0.06 | | | | | 0.06 | 0.06 |
| EO B 802.8 155.0 | SACRAMENTO RIVER AT CHIPPS ISLAND | | | | | | | | | | | | |
| 10/07/70 | 5001 | | 17 C | 7.6 | | | | 0.09 | | | | | |
| 1200 | 5000 | | 55A | | 1550 | | 0.00 | 0.41 | 0.09 | 0.41 | | 0.09 | 0.27 |
| 11/20/70 | 5001 | | 14 C | 7.2 | | | | 0.29 | | | | | |
| 1130 | 5000 | | 28A | | 361 | | 0.02 | 0.71 | 0.48 | 0.73 | | 0.08 | 0.14 |
| 3/04/71 | 5001 | | 10 C | 6.8 | | 79 | | 0.30 | | | | | |
| 1000 | 5000 | | 39A | | 663 | 0 | 0.18 | 0.42 | 0.38 | 0.6 | | 0.06 | 0.12 |
| 4/06/71 | 5001 | | 15 C | 7.5 | | 64 | | 0.10 | | | | | |
| 1245 | 5000 | | 70A | | 140 | 0 | 0.0 | 0.25 | 0.05 | 0.25 | | 0.02 | 0.18 |
| 5/04/71 | 5001 | | 15 C | 7.5 | | 62 | | 0.0 | | | | | |
| 1305 | 5000 | | 27A | | 179 | 0 | 0.10 | 0.18 | 0.18 | 0.28 | | 0.06 | 0.12 |
| 6/02/71 | 5001 | | 18 C | 7.6 | | 70 | | 0.05 | | | | | |
| 1235 | 5000 | | 15A | | 172 | 0 | 0.0 | 0.22 | 0.24 | 0.22 | | 0.04 | 0.09 |
| 6/30/71 | 5001 | | 21 C | 7.5 | | 60 | | 0.03 | | | | | |
| 1105 | 5000 | | 22A | | 251 | 0 | 0.0 | | 0.04 | | | 0.04 | 0.09 |
| 8/03/71 | 5001 | | 22 C | 8.0 | | 64 | | 0.01 | | | | | |
| 1520 | 5001 | | 37A | | 2550 | 0 | 0.01 | | 0.0 | | | 0.04 | 0.15 |
| 8/31/71 | 5001 | | 21 C | 8.0 | | 67 | | 0.06 | | | | | |
| 1430 | 5001 | | 27A | | 553 | 0 | 0.01 | | | | | 0.04 | 0.15 |
| 9/28/71 | 5001 | | 18 C | 7.7 | | 56 | | 0.07 | | | | | |
| 1230 | 5001 | | 26A | | 227 | 7 | 0.0 | | | | | 0.03 | 0.08 |
| EO B 803.5 217.0 | SAN PABLO BAY NEAR RODEO | | | | | | | | | | | | |
| 3/24/71 | 5001 | | 14 C | 7.6 | | | | 0.3 | | | | | |
| 1200 | 5000 | | 30A | | 28000 | | 1.40 | 0.22 | | 1.62 | | 0.10 | 0.08 |
| 4/21/71 | 5001 | | 13 C | 7.7 | | 95 | | 0.2 | | | | | |
| 1120 | 5000 | | 55A | | 20700 | 0 | 0.05 | 0.28 | | 0.33 | | 0.10 | 0.21 |
| 5/19/71 | 5001 | | 16 C | 7.8 | | 95 | | 0.1 | | | | | |
| 1200 | 5000 | | 10A | | 20900 | 0 | 3.40 | 0.34 | 0.17 | 3.74 | | 0.07 | 0.10 |
| 6/16/71 | 5001 | | 21 C | 7.7 | | 99 | | 0.2 | | | | | |
| 1005 | 5000 | | 13A | | 19500 | 0 | 0.27 | 0.25 | 0.18 | 0.52 | | 0.05 | 0.12 |
| 7/15/71 | 5001 | | 18 C | 7.7 | | 107 | | 0.2 | | | | | |
| 1025 | 5001 | | 14A | | 27900 | 0 | 0.09 | | | | | 0.11 | 0.18 |
| 8/17/71 | 5001 | | 21 C | 8.2 | | 102 | | 0.2 | | | | | |
| 1500 | 5001 | | 22A | | 27200 | 0 | 0.08 | | | | | 0.11 | 0.17 |
| 9/15/71 | 5001 | | 22 C | 7.6 | | 98 | | 0.2 | | | | | |
| 1340 | 5001 | | 10A | | 26700 | 0 | 0.06 | | | | | 0.09 | 0.16 |
| EO B 804.4 156.2 | HONKER BAY NEAR WHEELER POINT | | | | | | | | | | | | |
| 3/04/71 | 5001 | | 10 C | 6.8 | | 78 | | 0.30 | | | | | |
| 0935 | 5000 | | 45A | | 609 | 0 | 0.13 | 0.24 | 0.14 | 0.37 | | 0.02 | 0.17 |
| 4/06/71 | 5001 | | 15 C | 7.5 | | 63 | | 0.0 | | | | | |
| 1215 | 5000 | | 70A | | 140 | 0 | 0.03 | 0.20 | 0.12 | 0.23 | | 0.01 | 0.17 |
| 5/04/71 | 5001 | | 15 C | 7.5 | | 64 | | 0.03 | | | | | |
| 1240 | 5000 | | 37A | | 174 | 0 | 0.02 | 0.27 | 0.21 | 0.29 | | 0.04 | 0.10 |
| 6/02/71 | 5001 | | 18 C | 7.8 | | 70 | | 0.08 | | | | | |
| 1210 | 5000 | | 24A | | 175 | 0 | 0.0 | 0.29 | 0.41 | 0.29 | | 0.04 | 0.10 |
| 6/30/71 | 5001 | | 21 C | 7.5 | | 60 | | 0.03 | | | | | |
| 1035 | 5000 | | 34A | | 332 | 0 | 0.01 | | 0.01 | | | 0.04 | 0.11 |
| 8/03/71 | 5001 | | 22 C | 7.9 | | 64 | | 0.02 | | | | | |
| 1455 | 5001 | | 55A | | 3160 | 0 | 0.01 | | 0.01 | | | 0.03 | 0.16 |
| 8/31/71 | 5001 | | 21 C | 8.0 | | 67 | | 0.06 | | | | | |
| 1400 | 5001 | | 37A | | 655 | 0 | 0.01 | | | | | 0.04 | 0.16 |
| 9/28/71 | 5001 | | 18 C | 7.7 | | 92 | | 0.07 | | | | | |
| 1200 | 5001 | | 33A | | 198 | 0 | 0.0 | | | | | 0.04 | 0.04 |
| EO B 805.3 226.3 | SAN PABLO BAY NEAR MOUTH OF PETALUMA RIVER | | | | | | | | | | | | |
| 3/24/71 | 5001 | | 13 C | 7.4 | | | | 0.4 | | | | | |
| 1100 | 5000 | | 22A | | 28000 | | 2.90 | 0.20 | | 3.1 | | 0.19 | 0.34 |
| 4/21/71 | 5001 | | 12 C | 7.6 | | 101 | | 0.2 | | | | | |
| 1015 | 5000 | | 40A | | 24600 | 0 | 2.30 | 0.28 | | 2.58 | | 0.15 | 0.21 |
| 5/19/71 | 5001 | | 17 C | 7.9 | | 141 | | 0.1 | | | | | |
| 1050 | 5000 | | 16A | | 23100 | 0 | 2.20 | 0.21 | 0.18 | 2.41 | | 0.09 | 0.10 |
| 6/16/71 | 5001 | | 19 C | 7.5 | | 106 | | 0.2 | | | | | |
| 0840 | 5000 | | 8A | | 24000 | 0 | 2.10 | 0.38 | 0.17 | 2.48 | | 0.06 | 0.12 |
| 7/15/71 | 5001 | | 19 C | 8.1 | | 106 | | 0.1 | | | | | |
| 0915 | 5001 | | 10A | | 26700 | 0 | 0.05 | | | | | 0.18 | 0.22 |
| 8/17/71 | 5001 | | 20 C | 8.1 | | 111 | | 0.5 | | | | | |
| 1335 | 5001 | | 70A | | 30300 | 0 | 0.05 | | | | | 0.21 | 0.35 |

TABLE D-4 (CONTINUED)

NUTRIENT ANALYSIS OF SURFACE WATER

| DATE TIME | SAMP LAB | G.H. Q | TEMP TURB | FIELD LABORATORY PH | EC | LAB HCO3 CO3 | NO2 NH3 | NUTRIENT CONSTITUENTS IN MILLIGRAMS PER LITER NO3 ORG N | DIS ORG N | NH3 + ORG N | FIL. A.H.PO4 | F PO4 U PO4 | F TOT P U TOT P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | |
| | | E0 R 805.3 | 226.3 | SAN PABLO BAY NEAR MOUTH OF PETALUMA RIVER | | | | | | CONTINUED | | | |
| 9/15/71 | 5001 | | 25 C | 7.9 | | 141 | | 0.1 | | | | | |
| 1240 | 5001 | | 14A | | 26800 | 0 | 0.03 | | | | | 0.11 | 0.21 |
| | | E0 B 807.0 | 202.3 | GRIZZLY BAY AT DOLPHIN NEAR SUISUN SLOUGH | | | | | | | | | |
| 10/07/70 | 5001 | | 16 C | 7.6 | | | | 0.05 | | | | | |
| 1000 | 5000 | | 140A | | 5470 | | 0.00 | 0.63 | 0.24 | 0.63 | | 0.08 | 0.36 |
| 11/20/70 | 5001 | | 14 C | 7.4 | | | | 0.18 | | | | | |
| 1000 | 5000 | | 70A | | 3090 | | 0.03 | 0.89 | 0.48 | 0.92 | | 0.08 | 0.19 |
| 3/04/71 | 5001 | | 9 C | 6.8 | | 82 | | 0.30 | | | | | |
| 0755 | 5000 | | 70A | | 2740 | 0 | 0.32 | 0.18 | 0.15 | 0.5 | | 0.07 | 0.15 |
| 4/06/71 | 5001 | | 15 C | 7.5 | | 62 | | 0.0 | | | | | |
| 1030 | 5000 | | 80A | | 145 | 0 | 0.02 | 0.25 | 0.08 | 0.27 | | 0.02 | 0.18 |
| 5/04/71 | 5001 | | 14 C | 7.3 | | 63 | | 0.04 | | | | | |
| 1015 | 5000 | | 75A | | 758 | 0 | 0.0 | 0.31 | 0.18 | 0.31 | | 0.05 | 0.20 |
| 6/02/71 | 5001 | | 17 C | 7.9 | | 63 | | 0.03 | | | | | |
| 1020 | 5000 | | 40A | | 372 | 0 | 0.0 | 0.24 | 0.27 | 0.24 | | 0.05 | 0.16 |
| 6/30/71 | 5001 | | 20 C | 7.7 | | 64 | | 0.04 | | | | | |
| 0835 | 5000 | | 60A | | 1550 | 0 | 0.01 | | | | | 0.01 | 0.11 |
| 8/03/71 | 5001 | | 21 C | 7.8 | | 64 | | 0.03 | | | | | |
| 1300 | 5001 | | 60A | | 7560 | 0 | 0.01 | | 0.03 | | | 0.04 | 0.17 |
| 8/31/71 | 5001 | | 21 C | 8.0 | | 81 | | 0.06 | | | | | |
| 1200 | 5001 | | 47A | | 2510 | 0 | 0.01 | | | | | 0.05 | 0.20 |
| 9/28/71 | 5001 | | 18 C | 7.5 | | 72 | | 0.08 | | | | | |
| 0950 | 5001 | | 34A | | 338 | 0 | 0.0 | | | | | 0.04 | 0.10 |
| | | E0 S 809.2 | 205.3 | CORDELIA SLOUGH AT CYGNUS | | | | | | | | | |
| 11/06/70 | 5001 | | 14 C | 7.1 | | 102 | | 0.20 | | | | | |
| 0920 | 5000 | | 90A | | 5100 | 0 | 0.43 | 0.73 | | 1.16 | | 0.04 | 0.06 |
| 5/17/71 | 5001 | | 18 C | 7.4 | | 100 | | 0.17 | | | | | |
| 1115 | 5000 | | 100A | | 1450 | 0 | 0.09 | 0.50 | | 0.59 | | 0.02 | 0.38 |
| 8/27/71 | 5001 | | 21 C | 7.7 | | 84 | | 0.10 | | | | | |
| 0900 | 5001 | | 50A | | 4240 | 0 | 0.05 | | | | | 0.03 | 0.16 |
| | | E0 S 810.8 | 202.8 | SUISUN SLOUGH AT VOLANTI SLOUGH ON JOICE ISLAND | | | | | | | | | |
| 11/06/70 | 5001 | | 15 C | 7.3 | | 141 | | 0.50 | | | | | |
| 1215 | 5000 | | 75A | | 3670 | 0 | 0.28 | 0.92 | | 1.2 | | 0.10 | 0.14 |
| 5/17/71 | 5001 | | 19 C | 7.9 | | 127 | | 0.83 | | | | | |
| 1405 | 5000 | | 75A | | 1860 | 0 | 0.04 | 0.49 | | 0.53 | | 0.12 | 0.40 |
| 8/27/71 | 5001 | | 23 C | 7.9 | | 102 | | 0.10 | | | | | |
| 1240 | 5001 | | 50A | | 4390 | 0 | 0.07 | | | | | 0.04 | 0.21 |
| | | E0 S 811.0 | 204.8 | CHADBOURNE SLOUGH AT CHADBOURNE ROAD NEAR SUISUN | | | | | | | | | |
| 11/06/70 | 5001 | | 15 C | 7.2 | | 129 | | 0.30 | | | | | |
| 1040 | 5000 | | 70A | | 4180 | 0 | 0.43 | 0.92 | | 1.35 | | 0.08 | 0.11 |
| 5/17/71 | 5001 | | 19 C | 7.7 | | 165 | | 0.61 | | | | | |
| 1250 | 5000 | | 80A | | 1400 | 0 | 0.08 | 0.77 | | 0.85 | | 0.03 | 0.32 |
| 8/27/71 | 5001 | | 21 C | 7.7 | | 113 | | 0.21 | | | | | |
| 1115 | 5001 | | 40A | | 4040 | 0 | 0.12 | | | | | 0.02 | 0.16 |
| | | E0 S 811.2 | 158.5 | MONTEZUMA SLOUGH AT GRIZZLY ISLAND ROAD | | | | | | | | | |
| 11/06/70 | 5001 | | 15 C | 7.1 | | 103 | | 0.20 | | | | | |
| 1300 | 5000 | | 65A | | 5920 | 0 | 0.32 | 1.20 | | 1.52 | | 0.02 | 0.06 |
| 5/17/71 | 5001 | | 19 C | 7.8 | | 73 | | 0.08 | | | | | |
| 1450 | 5000 | | 65A | | 683 | 0 | 0.07 | 0.36 | | 0.43 | | 0.02 | 0.20 |
| 8/27/71 | 5001 | | 23 C | 7.9 | | 80 | | 0.10 | | | | | |
| 1330 | 5001 | | 40A | | 3610 | 0 | 0.03 | | | | | 0.03 | 0.15 |
| | | E0 S 811.5 | 207.2 | CORDELIA SLOUGH AT UPPER END NEAR CORDELIA | | | | | | | | | |
| 5/17/71 | 5001 | | 19 C | 7.7 | | 200 | | 0.33 | | | | | |
| 1205 | 5000 | | 75A | | 1190 | 0 | 0.14 | 0.42 | | 0.56 | | 0.04 | 0.29 |
| 8/27/71 | 5001 | | 20 C | 8.0 | | 176 | | 0.15 | | | | | |
| 1015 | 5001 | | 80A | | 606 | 0 | 0.03 | | | | | 0.07 | 0.20 |
| | | E0 S 813.6 | 201.2 | HILL SLOUGH AT GRIZZLY ISLAND ROAD | | | | | | | | | |
| 11/06/70 | 5001 | | 15 C | 7.6 | | 172 | | 0.10 | | | | | |
| 1330 | 5000 | | 45A | | 530 | 0 | 0.0 | 0.50 | | 0.5 | | 0.27 | 0.27 |
| 8/27/71 | 5001 | | 21 C | 8.0 | | 168 | | 0.40 | | | | | |
| 1400 | 5001 | | 45A | | 3430 | 0 | 0.08 | | | | | 0.25 | 0.48 |
| | | E3 1100.50 | | NAPA RIVER AT DUTTONS LANDING | | | | | | | | | |
| 4/13/71 | 5050 | | 60 F | 8.2 | 4500 | | | 0.38 | | | | 0.11 | |
| 1130 | 5050 | | | | | | 0.00 | 0.0 | | 0.0 | 0.00 | | 0.23 |
| | | E3 2100.51 | | GREEN VALLEY CREEK AT CORDELIA | | | | | | | | | |
| 11/06/70 | 5001 | | 14 C | 7.7 | | 133 | | 0.30 | | | | | |
| 1005 | 5000 | | 50A | | 296 | 0 | 0.0 | 0.76 | | 0.76 | | 0.05 | 0.07 |

TABLE D-5

PESTICIDES IN SURFACE WATER AND SEDIMENT

Pesticides

BHC - Benzene hexachloride

DDE - Dichloro diphenyl ethane

DDT - Dichloro diphenyl trichlorethane

PCB - Polychlorinated biphenol

When two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

Lab and Sampler Agency Codes

5001 - U. S. Bureau of Reclamation

5007 - U. S. Environmental Protection Agency Laboratory at Alameda

5050 - Department of Water Resources

TABLE D-5 (Cont.)

# PESTICIDES IN SURFACE WATER AND SEDIMENT

| Station Number | Station | Date Time | Pesticides in Water (nanograms per liter) | | Pesticides in Sediment (micrograms per liter of dry weight) | Samp | Lab |
|---|---|---|---|---|---|---|---|
| D1 1006.30 | WATSONVILLE SLOUGH AT SAN ANDRES ROAD | 05-05-71 1000 | Malathion | 290 | | 5050 | 5050 |
| | | | Simazine/Atrazine | 100 | | | |
| | | | PCB | 560 | | | |
| | | | Unknown as Parathion | 15 | | | |
| D1 1075.30 | PAJARO RIVER AT THURWACHTER ROAD | 05-05-71 1030 | Simazine/Atrazine | 95 | | 5050 | 5050 |
| | | | Unknown #1 as DDT | 5 | | | |
| | | | Unknown #2 as DDT | 5 | | | |
| | | | Diazinon | 25 | | | |
| D1 1250.00 | PAJARO RIVER AT CHITTENDEN | 02-17-71 1100 | Unknown as DDT | 5 | | 5050 | 5050 |
| | | | No organic phosphorus pesticide detected | | | | |
| | | 05-05-71 1130 | Simazine/Atrazine | 60 | | 5050 | 5050 |
| | | | Unknown as DDT | 35 | | | |
| | | | No organic phosphorus pesticide detected | | | | |
| D1 1371.50 | UVAS CREEK NEAR MORGAN HILL BELOW UVAS DAM | 05-05-71 1400 | No chlorinated pesticide detected | | | 5050 | 5050 |
| | | | No organic phosphorus pesticide detected | | | | |
| D1 1475.50 | PLANEL AGRICULTURAL DRAIN ABOVE LLAGAS CREEK | 05-05-71 1245 | Simazine/Atrazine | 45 | | 5050 | 5050 |
| | | | Complex chlorinated compounds as DDT | 50 | | | |
| | | | No organic phosphorus pesticide detected | | | | |
| D1 2450.00 | SAN BENITO RIVER NEAR WILLOW CREEK SCHOOL | 05-05-71 0900 | Unknown as DDT | 2 | | 5050 | 5050 |
| | | | No organic phosphorus pesticide detected | | | | |
| D1 3220.20 | ELKHORN SLOUGH AT BRIDGE NEAR HALL | 05-05-71 0915 | Simazine/Atrazine | 115 | | 5050 | 5050 |
| | | | Complex chlorinated compounds as DDT | 55 | | | |
| | | | No organic phosphorus pesticide detected | | | | |
| D2 1006.30 | TEMBLADERO SLOUGH AT NASHUA ROAD | 05-05-71 1450 | Unknown #1 as DDT | 740 | | 5050 | 5050 |
| | | | Unknown #2 as DDT | 240 | | | |
| | | | Complex chlorinated compounds as DDT | 4600 | | | |
| | | | Thimet | 880 | | | |
| | | | Diazinon | 350 | | | |
| | | | Parathion | 900 | | | |
| D2 1006.60 | TEMBLADERO SLOUGH AT MERRITT LAKE DRAIN | 05-05-71 1300 | Simazine/Atrazine | 450 | | 5050 | 5050 |
| | | | Diazinon | 20 | | | |
| | | | Methyl Parathion | 85 | | | |
| | | | Parathion | 25 | | | |
| D2 1009.20 | SALINAS RECLAMATION CANAL BELOW ALISAL SLOUGH | 02-17-71 1015 | Simazine/Atrazine | 1180 | | 5050 | 5050 |
| | | | Unknown #1 as DDT | 620 | | | |
| | | | Unknown #2 as DDT | 290 | | | |
| | | | Diazinon | 250 | | | |
| | | | Methyl Parathion | 160 | | | |
| | | 05-05-71 1230 | Unknown #1 as DDT | 880 | | 5050 | 5050 |
| | | | Unknown #2 as DDT | 340 | | | |
| | | | Complex chlorinated compound as DDT | 6900 | | | |
| | | | Thimet | 660 | | | |
| | | | Diazinon | 210 | | | |
| | | | Methyl Parathion | 130 | | | |
| | | | Parathion | 860 | | | |
| D2 1020.70 | SALINAS RECLAMATION CANAL AT AIRPORT WAY | 05-05-71 1030 | Unknown #1 as DDT | 610 | | 5050 | 5050 |
| | | | Unknown #2 as DDT | 5300 | | | |
| | | | Unknown #3 as DDT | 2200 | | | |
| | | | Unknown #4 as DDT | 2000 | | | |
| | | | Unknown #5 as DDT | 3100 | | | |
| | | | Unknown #6 as DDT | 2600 | | | |
| | | | DDT | 3100 | | | |
| | | | Thimet | 710 | | | |
| | | | Diazinon | 700 | | | |
| | | | Methyl Parathion | 1300 | | | |
| | | | Parathion | 3600 | | | |
| D2 1030.30 | BLANCO DRAIN AT PUMP LIFT | 02-17-71 1005 | Simazine/Atrazine | 190 | | 5050 | 5050 |
| | | | Unknown #1 as DDT | 30 | | | |
| | | | Unknown #2 as DDT | 95 | | | |
| | | | Unknown #3 as DDT | 60 | | | |
| | | | Complex chlorinated compounds as DDT | 425 | | | |
| | | | Methyl parathion | 120 | | | |
| | | | Parathion | 600 | | | |
| | | 05-05-71 1200 | Unknown #1 as DDT | 2100 | | 5050 | 5050 |
| | | | Unknown #2 as DDT | 1200 | | | |
| | | | Unknown #3 as DDT | 200 | | | |
| | | | Parathion | 2810 | | | |

TABLE D-5 (Cont.)

# PESTICIDES IN SURFACE WATER AND SEDIMENT

| Station Number | Station | Date Time | Pesticides in Water (nanograms per liter) | | Pesticides in Sediment (micrograms per liter of dry weight) | Samp | Lab |
|---|---|---|---|---|---|---|---|
| D2 1110.50 | SALINAS RIVER AT TWIN BRIDGES | 05-05-71 0800 | Unknown #1 as DDT | 30 | | 5050 | 5050 |
| | | | Unknown #2 as DDT | 145 | | | |
| | | | Unknown #3 as DDT | 30 | | | |
| | | | Phorate (Thimet) | 45 | | | |
| | | | Parathion | 75 | | | |
| D2 1325.10 | SALINAS RIVER NEAR GONZALES | 02-17-71 0840 | Unknown as DDT | 5 | | 5050 | 5050 |
| | | | No organic phosphorus pesticides detected | | | | |
| | | 05-05-71 1230 | Unknown #1 as DDT | 4 | | 5050 | 5050 |
| | | | Unknown #2 as DDT | 3 | | | |
| | | | No organic phosphorus pesticides detected | | | | |
| D2 1450.00 | ARROYO SECO NEAR SOLEDAD | 05-05-71 1140 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | | No organic phosphorus pesticides detected | | | | |
| D2 1850.00 | SALINAS RIVER AT BRADLEY | 05-05-71 1000 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | | No organic phosphorus pesticides detected | | | | |
| D4 1010.50 | CARMEL RIVER AT HIGHWAY 1 | 05-05-71 1430 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | | No organic phosphorus pesticides detected | | | | |
| EO B 735.0 215.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (SHIP CHANNEL) | 03-16-71 1020 | Unknown as DDT | 55 | | 5050 | 5050 |
| | | 07-08-71 0820 | Unknown as DDT | 5 | | 5050 | 5050 |
| | | 09-21-71 0915 | Unknown as DDT | 9 | | 5050 | 5050 |
| | | | Complex chlorinated compounds as DDT | 10 | | | |
| EO B 736.2 211.6 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE | 11-17-70 0950 | Complex chlorinated compounds as DDT | 20 | | 5050 | 5050 |
| | | 01-28-71 0750 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | 05-11-71 0810 | Simazine/Atrazine | 18 | | 5050 | 5050 |
| | | | Unknown as DDT | 10 | | | |
| EO B 736.2 212.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (PIER 662) | 07-08-71 0915 | Unknown as DDT | 5 | | 5050 | 5050 |
| | | 09-21-71 1050 | Unknown as DDT | 15 | | 5050 | 5050 |
| | | | Complex chlorinated compounds as DDT | 10 | | | |
| EO B 748.1 222.4 | SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND | 11-17-70 1100 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | 01-28-71 0730 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | 03-16-71 1005 | Unknown as DDT | 2 | | 5050 | 5050 |
| | | 05-11-71 0812 | No chlorinated pesticides detected | | | 5050 | 5050 |
| EO B 749.2 222.4 | SAN FRANCISCO BAY AT TREASURE ISLAND | 07-08-71 0640 | Unknown as DDT | 5 | | 5050 | 5050 |
| | | 09-21-71 0715 | Unknown as DDT | 15 | | 5050 | 5050 |
| | | | Complex chlorinated compounds as DDT | 15 | | | |
| EO B 757.7 226.2 | SAN PABLO STRAIT WEST OF THE BROTHERS | 11-17-70 1145 | No chlorinated pesticides detected | | | 5050 | 5050 |
| | | 01-28-71 1000 | Unknown as DDT | 5 | | 5050 | 5050 |
| | | 03-16-71 1050 | Unknown as DDT | 3 | | 5050 | 5050 |
| | | 05-11-71 1000 | No chlorinated pesticides detected | | | 5050 | 5050 |
| EO B 802.3 207.1 | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ | 10-07-70 1045 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | 3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |

TABLE D-5 (Cont.)

# PESTICIDES IN SURFACE WATER AND SEDIMENT

| Station Number | Station | Date Time | Pesticides in Water (nanograms per liter) | | Pesticides in Sediment (micrograms per liter of dry weight) | Samp | Lab |
|---|---|---|---|---|---|---|---|
| EO B 802.3 207.1 | SUISUN BAY OFF BULLS HEAD POINT AT MARTINEZ (Continued) | 11-20-70 1035 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | <3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |
| | | 05-04-71 1105 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | <3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |
| | | 06-02-71 1105 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | <3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |
| | | 07-15-71 1115 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | <3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |
| | | 08-31-71 1245 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | <3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |
| EO B 804.4 156.2 | HONKER BAY NEAR WHEELER POINT | 06-02-71 1210 | Aldrin | <3 | | 5001 | 5007 |
| | | | BHC | <3 | | | |
| | | | DDE | <3 | | | |
| | | | DDT | <10 | | | |
| | | | Dieldrin | <3 | | | |
| | | | Toxaphene | <100 | | | |
| | | | Heptachlor | <3 | | | |
| | | | Heptachlor Epoxide | <3 | | | |

TABLE D-6

# DAILY MAXIMUM AND MINIMUM AVERAGE WATER TEMPERATURES

D2 1006.60 TEMBLADERO SLOUGH AT MERRITT LAKE DRAIN
(October 1970 through September 1971)

(In Degrees Fahrenheit)

| Day | October | | November | | December | | January | | February | | March | | April | | May | | June | | July | | August | | September | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
| 1 | NR | NR | 61 | 54 | 58 | 56 | 66 | 64 | 68 | 67 | 72 | 59 | 88 | 67 | 91 | 70 | 76 | 68 | NR | NR | 86 | 74 | | |
| 2 | NR | NR | 60 | 59 | 57 | 55 | 65 | 62 | 70 | 67 | 63 | 57 | 90 | 68 | 84 | 70 | 82 | 68 | NR | NR | 84 | 74 | | |
| 3 | NR | NR | 60 | 58 | 55 | 53 | 62 | 60 | 68 | 64 | 71 | 59 | 87 | 68 | 82 | 72 | 79 | 69 | NR | NR | 86 | 74 | | |
| 4 | NR | NR | 61 | 59 | 56 | 54 | 60 | 58 | 67 | 63 | 76 | 59 | 88 | 73 | 81 | 71 | 80 | 71 | NR | NR | 92 | 74 | | |
| 5 | NR | NR | 62 | 61 | 59 | 55 | NR | NR | 68 | 64 | 74 | 59 | 86 | 71 | 80 | 73 | 85 | 72 | NR | NR | 87 | 75 | | |
| 6 | NR | NR | 63 | 62 | 59 | 57 | NR | NR | 69 | 65 | 74 | 59 | 74 | 71 | 80 | 67 | 80 | 72 | NR | NR | 82 | 75 | | |
| 7 | NR | NR | 65 | 62 | 60 | 58 | NR | NR | 70 | 67 | 74 | 59 | 85 | 67 | 82 | 69 | 78 | 71 | NR | NR | 76 | 74 | | |
| 8 | 63 | 59 | 66 | 62 | 60 | 59 | NR | NR | 70 | 68 | 69 | 62 | 87 | 65 | 87 | 73 | 87 | 69 | NR | NR | 81 | 76 | | |
| 9 | 67 | 55 | 66 | 61 | 59 | 56 | NR | NR | 71 | 66 | 71 | 62 | 87 | 67 | 94 | 70 | 80 | 69 | NR | NR | 87 | 79 | | |
| 10 | 68 | 58 | 66 | 63 | 56 | 54 | NR | NR | 72 | 67 | 75 | 60 | 82 | 72 | 82 | 71 | 80 | 72 | NR | NR | RE | RE | | |
| 11 | 66 | 62 | 65 | 62 | 55 | 53 | NR | NR | 75 | 68 | 78 | 67 | 85 | 66 | 78 | 74 | 87 | 70 | NR | NR | | | | |
| 12 | 62 | 60 | 64 | 61 | 54 | 52 | 65 | 63 | 77 | 70 | 76 | 65 | 97 | 67 | 82 | 71 | 80 | 70 | NR | NR | | | | |
| 13 | 63 | 59 | 62 | 53 | NR | NR | 65 | 62 | 75 | 68 | 75 | 65 | 80 | 70 | 87 | 74 | 83 | 70 | 89 | 82 | | | | |
| 14 | 63 | 60 | 56 | 54 | NR | NR | 66 | 64 | 73 | 68 | 70 | 65 | 85 | 70 | 90 | 71 | 92 | 73 | 82 | 72 | | | | |
| 15 | 64 | 60 | 55 | 52 | NR | NR | 67 | 64 | 77 | 68 | 80 | 67 | 78 | 74 | 82 | 73 | 96 | 72 | 76 | 74 | | | | |
| 16 | 70 | 59 | 55 | 53 | NR | NR | 68 | 64 | 68 | 63 | 84 | 68 | 83 | 71 | 85 | 70 | 95 | 72 | 83 | 75 | | | | |
| 17 | 67 | 58 | 54 | 49 | NR | NR | 70 | 67 | 67 | 64 | 90 | 65 | 76 | 70 | 91 | 70 | 89 | 69 | 89 | 79 | | | | |
| 18 | 64 | 57 | 57 | 52 | NR | NR | 74 | 69 | 72 | 61 | 90 | 65 | 77 | 68 | 91 | 71 | 90 | 71 | 92 | 78 | | | | |
| 19 | 66 | 60 | 54 | 52 | NR | NR | 74 | 72 | 72 | 66 | 92 | 65 | 74 | 70 | 84 | 71 | 92 | 75 | 86 | 77 | | | | |
| 20 | 61 | 56 | 54 | 49 | NR | NR | 74 | 71 | 70 | 63 | 85 | 65 | 78 | 70 | 80 | 70 | 93 | 77 | 97 | 80 | | | | |
| 21 | 63 | 57 | 58 | 52 | NR | NR | 72 | 69 | 72 | 62 | 84 | 68 | 81 | 65 | 86 | 70 | 95 | 79 | 86 | 74 | | | | |
| 22 | 60 | 58 | 57 | 53 | NR | NR | 68 | 66 | 72 | 63 | 89 | 68 | 87 | 65 | 78 | 70 | 86 | 75 | 81 | 73 | | | | |
| 23 | NR | NR | 54 | 52 | NR | NR | 67 | 64 | 75 | 60 | 78 | 71 | 87 | 71 | 83 | 72 | 89 | 72 | 82 | 74 | | | | |
| 24 | NR | NR | 54 | 50 | NR | NR | 67 | 65 | 73 | 64 | 87 | 72 | 77 | 63 | 81 | 73 | 89 | 71 | 77 | 72 | | | | |
| 25 | NR | NR | 60 | 52 | 64 | 64 | 68 | 65 | 72 | 61 | 76 | 72 | 86 | 65 | 91 | 71 | 94 | 71 | 78 | 71 | | | | |
| 26 | NR | NR | 59 | 55 | 65 | 63 | 68 | 64 | 67 | 57 | 83 | 72 | 83 | 70 | 89 | 75 | 89 | 76 | 80 | 72 | | | | |
| 27 | NR | NR | 55 | 52 | 65 | 64 | 69 | 65 | 69 | 58 | 79 | 72 | 87 | 68 | 75 | 70 | 95 | 75 | 85 | 72 | | | | |
| 28 | NR | NR | 57 | 54 | 66 | 64 | 70 | 66 | 72 | 59 | 80 | 72 | 78 | 72 | 83 | 70 | 90 | 72 | 80 | 72 | | | | |
| 29 | 60 | 56 | 57 | 55 | 67 | 64 | 70 | 66 | | | 84 | 72 | 92 | 67 | 80 | 70 | 88 | 70 | 82 | 72 | | | | |
| 30 | 55 | 54 | 57 | 56 | 67 | 64 | 69 | 66 | | | 85 | 65 | 85 | 66 | 77 | 71 | 74 | 71 | 89 | 70 | | | | |
| 31 | 55 | 51 | | | 67 | 64 | 70 | 66 | | | 90 | 66 | | | 83 | 68 | | | 91 | 73 | | | | |
| Max | NR | | 66 | | NR | | NR | | 77 | | 92 | | 97 | | 94 | | 96 | | NR | | | | | |
| Min | NR | | 49 | | NR | | NR | | 57 | | 57 | | 63 | | 67 | | 68 | | NR | | | | | |
| Avg | NR | | 57 | | NR | | NR | | 68 | | 71 | | 75 | | 76 | | 78 | | NR | | | | | |

NR - No record.
RE - Record ended.

D2 1325.10 SALINAS RIVER NEAR GONZALES
(October 1970 through September 1971)

| Day | October | | November | | December | | January | | February | | March | | April | | May | | June | | July | | August | | September | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min | Max | Min |
| 1 | NR | NR | NR | NR | 53 | 49 | 48 | 45 | NR | NR | | | | | NR | NR | 62 | 53 | NR | NR | NR | NR | NR | NR |
| 2 | 69 | 57 | NR | NR | 52 | 49 | NR | NR | 54 | 50 | | | | | NR | NR | 70 | 55 | NR | NR | NR | NR | NR | NR |
| 3 | 68 | 57 | NR | NR | 49 | 44 | NR | NR | 53 | 45 | | | | | NR | NR | 66 | 53 | NR | NR | 77 | 55 | NR | NR |
| 4 | 69 | 57 | 58 | 56 | 52 | 45 | NR | NR | 52 | 44 | | | | | NR | NR | 70 | 54 | NR | NR | 79 | 53 | NR | NR |
| 5 | 66 | 57 | 65 | 56 | 56 | 51 | NR | NR | 53 | 45 | | | | | NR | NR | 63 | 57 | NR | NR | 77 | 57 | NR | NR |
| 6 | 66 | 56 | 58 | 55 | 57 | 50 | NR | NR | 56 | 49 | | | | | NR | NR | 67 | 58 | NR | NR | 79 | 56 | NR | NR |
| 7 | 65 | 51 | 60 | 56 | 57 | 52 | NR | NR | 56 | 51 | | | | | NR | NR | 68 | 56 | NR | NR | 80 | 59 | NR | NR |
| 8 | 65 | 50 | 61 | 57 | 54 | 49 | NR | NR | 55 | 51 | | | | | NR | NR | 73 | 55 | NR | NR | 82 | 59 | NR | NR |
| 9 | 65 | 50 | 60 | 56 | 54 | 46 | NR | NR | 56 | 47 | | | | | NR | NR | 65 | 54 | NR | NR | 81 | 60 | NR | NR |
| 10 | 66 | 53 | 60 | 58 | 52 | 42 | NR | NR | 58 | 48 | N | | N | | NR | NR | 74 | 58 | NR | NR | 80 | 65 | NR | NR |
| 11 | 67 | 56 | NR | NR | 52 | 42 | NR | NR | 62 | 50 | O | | O | | 71 | 58 | 72 | 57 | NR | NR | 79 | 62 | NR | NR |
| 12 | 63 | 57 | NR | NR | 51 | 41 | NR | NR | 62 | 52 | | | | | 73 | 53 | 72 | 56 | NR | NR | 78 | 62 | NR | NR |
| 13 | 62 | 56 | NR | NR | 47 | 39 | NR | NR | 61 | 52 | | | | | 70 | 53 | 70 | 56 | 79 | 64 | 78 | 61 | NR | NR |
| 14 | 60 | 55 | NR | NR | 50 | 42 | NR | NR | 58 | 52 | | | | | 75 | 50 | 75 | 58 | 77 | 59 | 77 | 59 | 82 | 70 |
| 15 | 63 | 55 | NR | NR | 51 | 41 | NR | NR | 60 | 47 | R | | R | | 73 | 50 | 79 | 59 | 77 | 57 | 77 | 59 | 80 | 62 |
| 16 | 63 | 54 | NR | NR | 54 | 46 | NR | NR | 50 | 45 | E | | E | | 75 | 49 | 77 | 60 | 77 | 58 | 78 | 58 | 76 | 63 |
| 17 | 61 | 53 | NR | NR | 53 | 43 | NR | NR | 54 | 44 | | | | | 72 | 49 | 80 | 59 | 79 | 59 | 77 | 59 | 75 | 60 |
| 18 | 57 | 51 | NR | NR | 44 | 40 | NR | NR | 59 | 48 | C | | C | | 71 | 50 | 79 | 57 | 81 | 61 | 75 | 58 | 75 | 60 |
| 19 | 61 | 52 | NR | NR | 52 | 43 | NR | NR | 56 | 39 | | | | | 73 | 53 | 77 | 60 | 80 | 61 | 76 | 60 | 75 | 56 |
| 20 | 59 | 47 | NR | NR | 45 | 41 | NR | NR | 56 | 42 | O | | O | | 70 | 53 | 79 | 59 | 79 | 56 | 77 | 59 | 72 | 59 |
| 21 | 57 | 52 | NR | NR | 46 | 42 | NR | NR | 57 | 44 | R | | R | | 68 | 49 | 79 | 59 | NR | NR | 79 | 60 | 72 | 59 |
| 22 | 61 | 53 | NR | NR | 47 | 43 | NR | NR | 54 | 43 | | | | | 74 | 52 | 72 | 61 | NR | NR | 79 | 62 | 72 | 57 |
| 23 | 63 | 57 | NR | NR | 47 | 43 | NR | NR | 60 | 42 | D | | D | | 72 | 55 | 72 | 59 | NR | NR | 78 | 59 | 69 | 59 |
| 24 | 60 | 54 | NR | NR | 46 | 40 | NR | NR | 59 | 43 | | | | | 72 | 57 | 69 | 62 | NR | NR | NR | NR | 68 | 56 |
| 25 | 64 | 51 | NR | NR | 46 | 40 | NR | NR | 54 | 36 | | | | | 69 | 54 | 70 | 60 | NR | NR | NR | NR | 69 | 57 |
| 26 | 58 | 49 | NR | NR | 46 | 44 | NR | NR | 53 | 37 | | | | | 67 | 56 | 72 | 63 | NR | NR | NR | NR | 67 | 54 |
| 27 | NR | NR | NR | NR | 47 | 44 | NR | NR | 50 | 40 | | | | | 58 | 52 | 72 | 63 | NR | NR | NR | NR | 67 | 52 |
| 28 | NR | NR | NR | NR | 47 | 43 | NR | NR | NR | NR | | | | | 71 | 54 | 67 | 58 | NR | NR | NR | NR | 66 | 52 |
| 29 | NR | NR | 53 | 50 | 46 | 43 | NR | NR | | | | | | | 61 | 56 | 69 | 59 | NR | NR | NR | NR | 65 | 52 |
| 30 | NR | NR | 52 | 47 | 48 | 43 | NR | NR | | | | | | | 66 | 57 | NR | NR | NR | NR | NR | NR | 66 | 55 |
| 31 | NR | NR | | | 49 | 45 | NR | NR | | | | | | | NR | NR | | | NR | NR | NR | NR | | |
| Max | NR | | NR | | 57 | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | |
| Min | NR | | NR | | 39 | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | |
| Avg | NR | | NR | | 47 | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | |

NR - No record.

TABLE D-7

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

DO 1030.30 BLANCO DRAIN AT PUMP LIFT
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 3,220 | 2,200 | 2,645 | 2,850 | 1,100 | 1,975 | 2,980 | 2,700 | 2,840 | 3,660 | 3,500 | 3,590 | 4,100 | 3,350 | 3,610 | 3,200 | 2,100 | 2,540 |
| 2 | 3,700 | 2,330 | 2,878 | 3,790 | 1,600 | 2,695 | 3,000 | 1,840 | 2,425 | 3,650 | 2,920 | 3,220 | 4,100 | 3,410 | 4,150 | 3,200 | 1,120 | 2,310 |
| 3 | 3,500 | 2,100 | 2,645 | 3,510 | 2,430 | 3,020 | 3,230 | 2,500 | 2,865 | 3,490 | 3,020 | 3,290 | 4,100 | 2,480 | 3,580 | 2,900 | 1,670 | 2,080 |
| 4 | 3,500 | 2,500 | 3,000 | 3,320 | 2,550 | 2,905 | 3,360 | 2,840 | 3,100 | 3,670 | 3,500 | 3,580 | 4,000 | 2,450 | 2,980 | 3,300 | 1,400 | 2,150 |
| 5 | 3,510 | 3,200 | 3,355 | 3,600 | 3,020 | 3,205 | 3,520 | 3,150 | 3,335 | 3,790 | 3,620 | 3,670 | 2,800 | 1,950 | 2,370 | 3,100 | 1,450 | 2,090 |
| 6 | 3,910 | 3,500 | 3,705 | 3,690 | 2,810 | 3,250 | 3,700 | 3,550 | 3,625 | 3,830 | 3,100 | 3,600 | 2, 00 | 1,950 | 2,300 | 3,000 | 1,600 | 2,120 |
| 7 | 3,800 | 2,890 | 3,345 | 3,620 | 2,910 | 3,265 | 3,800 | 3,700 | 3,750 | 3,910 | 3,050 | 3,690 | 4,110 | 2,790 | 3,810 | 2,300 | 1,800 | 1,980 |
| 8 | 3,490 | 2,800 | 3,145 | 3,310 | 2,760 | 3,100 | 3,820 | 3,750 | 3,790 | 3,910 | 3,410 | 3,780 | 4,310 | 3,920 | 4,130 | 2,180 | 1,640 | 1,880 |
| 9 | 3,490 | 2,350 | 2,920 | 3,670 | 3,210 | 3,340 | 3,900 | 3,750 | 3,825 | 4,000 | 3,150 | 3,640 | 4,200 | 3,900 | 4,130 | 2,500 | 1,650 | 2,100 |
| 10 | 3,650 | 2,450 | 3,050 | 3,910 | 3,230 | 3,570 | 3,990 | 3,710 | 3,845 | 4,000 | 3,150 | 3,660 | 4,280 | 3,700 | 4,150 | 3,200 | 1,800 | 2,290 |
| 11 | 3,330 | 2,140 | 2,735 | 3,850 | 3,090 | 3,470 | 3,950 | 3,250 | 3,600 | 4,000 | 3,180 | 3,830 | 4,220 | 3,950 | 4,120 | 2,000 | 1,410 | 1,670 |
| 12 | 3,400 | 2,600 | 2,875 | 3,810 | 3,320 | 3,550 | 3,980 | 3,410 | 3,705 | 3,500 | 2,200 | 2,990 | 4,190 | 2,450 | 3,350 | 2,000 | 1,500 | 1,830 |
| 13 | 3,230 | 2,400 | 2,815 | 3,800 | 3,000 | 3,400 | 3,900 | 3,700 | 3,545 | 2,690 | 1,750 | 2,160 | 4,180 | 3,250 | 3,670 | 2,700 | 1,600 | 1,920 |
| 14 | 3,300 | 2,000 | 2,650 | 3,790 | 3,020 | 3,405 | 4,000 | 3,130 | 3,565 | 3,100 | 2,380 | 2,830 | 4,150 | 3,760 | 4,040 | 3,100 | 2,680 | 2,890 |
| 15 | 3,600 | 1,900 | 2,750 | 3,750 | 3,230 | 3,500 | 4,020 | 3,240 | 3,630 | 3,590 | 3,130 | 3,420 | 4,180 | 3,700 | 4,080 | 2,900 | 2,100 | 2,440 |
| 16 | 3,900 | 2,800 | 3,350 | 3,820 | 3,110 | 3,465 | 3,820 | 2,850 | 3,225 | 3,790 | 3,600 | 3,690 | 4,150 | 3,850 | 4,060 | 3,000 | 2,300 | 2,690 |
| 17 | 3,190 | 2,700 | 2,945 | 3,820 | 3,120 | 3,460 | 3,500 | 1,740 | 2,620 | 3,820 | 3,730 | 3,790 | 4,180 | 4,020 | 4,080 | 2,800 | 1,700 | 2,170 |
| 18 | 3,290 | 2,810 | 3,050 | 3,900 | 3,100 | 3,500 | 2,850 | 1,600 | 2,225 | 3,810 | 3,150 | 3,670 | 4,210 | 3,880 | 4,100 | 3,500 | 2,000 | 2,920 |
| 19 | 3.510 | 2,750 | 3,130 | 3,720 | 3,110 | 3,370 | 2,720 | 1,720 | 2,220 | 3,900 | 3,110 | 3,670 | 4,000 | 2,750 | 3,730 | 3,650 | 2,700 | 3,260 |
| 20 | 3,520 | 2,830 | 3,175 | 3,390 | 2,710 | 3,045 | 3,300 | 2,230 | 2,765 | 3,900 | 3,460 | 3,770 | 4,220 | 3,200 | 3,890 | 3,500 | 1,950 | 2,720 |
| 21 | 3,420 | 2,900 | 3,160 | 3,400 | 2,550 | 2,890 | 1,750 | 1,070 | 1,410 | 3,910 | 3,130 | 3,710 | 4,160 | 3,680 | 3,850 | 2,350 | 1,700 | 1,930 |
| 22 | 3,510 | 2,550 | 3,030 | 3,190 | 2,100 | 2,645 | 2,090 | 1,450 | 1,770 | 3,910 | 3,720 | 3,770 | 4,060 | 3,400 | 3,880 | 2,350 | 1,650 | 1,870 |
| 23 | 3,210 | 2,280 | 2,745 | 3,470 | 2,500 | 2,987 | 2,690 | 2,140 | 2,415 | 3,950 | 3,230 | 3,890 | 4,320 | 3,580 | 4,000 | 3,400 | 1,800 | 2,320 |
| 24 | 3,500 | 2,600 | 2,940 | 3,700 | 2,980 | 3,340 | 3,220 | 2,680 | 2,950 | 3,950 | 3,370 | 3,870 | 4,000 | 3,500 | 3,830 | 3,500 | 2,250 | 2,740 |
| 25 | 3,560 | 2,690 | 3,115 | 3,520 | 2,590 | 2,860 | 3,500 | 3,280 | 3,390 | 4,010 | 3,200 | 3,730 | 4,030 | 3,200 | 3,580 | 3,500 | 2,450 | 2,900 |
| 26 | 3,560 | 2,330 | 2,945 | 3,090 | 2,520 | 2,720 | 3,620 | 3,230 | 3,425 | 3,950 | 3,250 | 3,690 | 4,050 | 3,050 | 3,750 | 3,200 | 2,250 | 2,660 |
| 27 | 3,560 | 2,330 | 2,895 | 3,410 | 2,700 | 3,055 | 3,160 | 2,200 | 2,680 | 3,830 | 3,000 | 3,510 | 4,000 | 3,140 | 3,700 | 3,300 | 2,250 | 2,870 |
| 28 | 3,250 | 2,490 | 3,355 | 3,390 | 1,650 | 2,520 | 2,800 | 2,000 | 2,400 | 3,930 | 3,150 | 3,590 | 3,310 | 2,600 | 2,920 | 3,450 | 2,450 | 3,230 |
| 29 | 3,700 | 3,010 | 3,300 | 2,100 | 1,600 | 1,835 | 3,110 | 2,780 | 2,945 | 4,010 | 3,480 | 3,840 | | | | 3,350 | 1,950 | 2,510 |
| 30 | 3,490 | 3,010 | 3,250 | 2,750 | 2,100 | 2,425 | 3,300 | 2,920 | 3,110 | 4,030 | 3,340 | 3,830 | | | | 2,280 | 1,580 | 1,970 |
| 31 | 3,280 | 1,440 | 2,360 | | | | 3,500 | 3,300 | 3,400 | 4,010 | 3,280 | 3,750 | | | | 2,500 | 1,700 | 1,980 |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 1,950 | 1,600 | 1,770 | 2,400 | 1,700 | 2,020 | 2,900 | 2,300 | 2,654 | 2,200 | 1,850 | 1,950 | NR | NR | NR | NR | NR | NR |
| 2 | 2,600 | 1,760 | 2,380 | 2,400 | 1,800 | 2,040 | 3,300 | 2,700 | 2,912 | 2,450 | 1,800 | 2,120 | NR | NR | NR | NR | NR | NR |
| 3 | 2,650 | 2,400 | 2,500 | 3,000 | 2,100 | 2,510 | 2,700 | 2,200 | 2,387 | 2,850 | 2,250 | 2,540 | NR | NR | NR | NR | NR | NR |
| 4 | 2,880 | 2,000 | 2,500 | 2,700 | 1,900 | 2,240 | 3,000 | 2,200 | 2,483 | 2,900 | 2,000 | 2,370 | NR | NR | NR | NR | NR | NR |
| 5 | 3,100 | 1,800 | 2,440 | 2,400 | 1,600 | 1,920 | 3,300 | 2,100 | 2,890 | 3,100 | 2,100 | 2,620 | NR | NR | NR | NR | NR | NR |
| 6 | 3,320 | 2,600 | 2,840 | 2,700 | 1,800 | 2,310 | 2,900 | 2,100 | 2,300 | 3,150 | 2,200 | 2,580 | NR | NR | NR | NR | NR | NR |
| 7 | 2,900 | 2,200 | 2,510 | 2,300 | 1,800 | 2,120 | 2,700 | 1,800 | 2,160 | 2,800 | 2,000 | 2,330 | NR | NR | NR | NR | NR | NR |
| 8 | 2,100 | 1,600 | 1,930 | 2,700 | 2,000 | 2,330 | 3,100 | 1,610 | 2,468 | 3,400 | 2,300 | 2,770 | NR | NR | NR | NR | NR | NR |
| 9 | 2,300 | 1,750 | 1,960 | 2,400 | 1,800 | 2,190 | 3,500 | 2,250 | 3,047 | 2,800 | 2,300 | 2,460 | NR | NR | NR | NR | NR | NR |
| 10 | 1,900 | 1,500 | 1,650 | 2,800 | 2,100 | 2,280 | 3,050 | 2,050 | 2,606 | 2,800 | 2,450 | 2,630 | NR | NR | NR | NR | NR | NR |
| 11 | 2,600 | 2,150 | 2,400 | 2,400 | 2,200 | 2,440 | 2,600 | 2,130 | 2,398 | 3,000 | 1,900 | 2,380 | NR | NR | NR | NR | NR | NR |
| 12 | 2,180 | 1,720 | 1,910 | 3,300 | 1,700 | 2,560 | 2,300 | 1,900 | 2,017 | 2,900 | 1,950 | 2,280 | NR | NR | NR | NR | NR | NR |
| 13 | 2,650 | 1,800 | 2,360 | 2,900 | 1,800 | 2,154 | 2,200 | 1,600 | 1,903 | 2,600 | 2,100 | 2,310 | NR | NR | NR | NR | NR | NR |
| 14 | 2,900 | 1,500 | 2,280 | 3,000 | 1,750 | 2,180 | 2,550 | 1,600 | 2,174 | 2,500 | 1,950 | 2,270 | NR | NR | NR | NR | NR | NR |
| 15 | 3,100 | 2,500 | 2,810 | 3,100 | 2,200 | 2,800 | 3,700 | 2,400 | 3,010 | 3,100 | 2,300 | 2,670 | NR | NR | NR | NR | NR | NR |
| 16 | 3,500 | 2,300 | 2,870 | 3,500 | 1,900 | 2,510 | 2,650 | 1,950 | 2,330 | 2,500 | 2,200 | 2,300 | NR | NR | NR | NR | NR | NR |
| 17 | 3,500 | 2,200 | 3,450 | 3,200 | 2,400 | 2,750 | 2,500 | 1,800 | 2,180 | 2,700 | 1,700 | 2,220 | NR | NR | NR | NR | NR | NR |
| 18 | 3,900 | 3,500 | 3,800 | 3,200 | 2,200 | 2,790 | 2,100 | 1,650 | 1,896 | 1,800 | 1,500 | 1,540 | NR | NR | NR | NR | NR | NR |
| 19 | 4,100 | 2,200 | 3,080 | 3,660 | 2,500 | 3,230 | 2,650 | 1,500 | 1,944 | 2,150 | 1,800 | 2,080 | NR | NR | NR | NR | NR | NR |
| 20 | 3,500 | 1,650 | 2,600 | 3,300 | 2,100 | 2,550 | 3,250 | 1,600 | 2,654 | 2,600 | 1,900 | 2,220 | NR | NR | NR | NR | NR | NR |
| 21 | 2,600 | 1,500 | 2,020 | 2,400 | 1,800 | 2,120 | 3,700 | 2,100 | 2,580 | 2,500 | 1,800 | 2,040 | NR | NR | NR | NR | NR | NR |
| 22 | 2,350 | 1,500 | 1,820 | 2,500 | 1,900 | 2,180 | 2,700 | 2,150 | 2,380 | 2,500 | 1,950 | 2,240 | NR | NR | NR | 3,250 | 1,900 | 2,397 |
| 23 | 3,000 | 2,000 | 2,340 | 2,500 | 1,900 | 2,090 | 3,500 | 2,200 | 2,660 | 2,250 | 1,950 | 2,050 | NR | NR | NR | 3,250 | 1,800 | 2,375 |
| 24 | 2,510 | 1,850 | 2,180 | 3,100 | 2,100 | 2,370 | 3,000 | 1,850 | 2,300 | 2,450 | 1,950 | 2,170 | NR | NR | NR | 3,100 | 2,100 | 2,725 |
| 25 | 2,250 | 1,700 | 1,930 | 3,200 | 2,400 | 2,880 | 3,000 | 1,900 | 2,400 | 3,000 | 2,000 | 2,680 | NR | NR | NR | 3,150 | 1,850 | 2,377 |
| 26 | 2,750 | 1,600 | 1,910 | 2,600 | 1,900 | 2,210 | 2,200 | 1,700 | 1,860 | 2,900 | 1,900 | 2,180 | NR | NR | NR | 3,300 | 1,700 | 2,175 |
| 27 | 2,200 | 1,500 | 1,630 | 2,800 | 1,600 | 2,220 | 2,400 | 1,850 | 2,040 | 2,400 | 2,100 | 2,260 | NR | NR | NR | 2,700 | 1,400 | 1,810 |
| 28 | 1,800 | 1,400 | 1,580 | 3,000 | 1,700 | 2,112 | 2,680 | 1,700 | 2,250 | No record pump removed | | | NR | NR | NR | 3,200 | 1,600 | 2,645 |
| 29 | 2,100 | 1,800 | 1,900 | 3,300 | 2,400 | 2,750 | 2,300 | 1,800 | 2,200 | No record pump removed | | | NR | NR | NR | 2,700 | 1,450 | 2,045 |
| 30 | 2,400 | 1,550 | 1,820 | 3,400 | 2,800 | 3,125 | 2,700 | 1,650 | 1,970 | No record pump removed | | | NR | NR | NR | 2,800 | 1,900 | 2,314 |
| 31 | | | | 3,000 | 2,300 | 2,800 | | | | No record pump removed | | | NR | NR | NR | | | |

NR - No record.

TABLE D-7 (Cont.)

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

DO 1180.01 SAN LORENZO RIVER AT PARADISE PARK
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 325 | 300 | 325 | 345 | 330 | 335 | 240 | 205 | 220 | 285 | 280 | 285 | 345 | 340 | 342 | 345 | 340 | 345 |
| 2 | 325 | 325 | 325 | 330 | 330 | 330 | 214 | 160 | 185 | 290 | 285 | 287 | 345 | 345 | 345 | 350 | 345 | 345 |
| 3 | 330 | 320 | 325 | 335 | 310 | 330 | 255 | 215 | 240 | 290 | 285 | 285 | 345 | 340 | 342 | 350 | 345 | 348 |
| 4 | 325 | 315 | 320 | 315 | 250 | 285 | 255 | 155 | 188 | 290 | 285 | 285 | 340 | 340 | 340 | 355 | 345 | 350 |
| 5 | 325 | 320 | 325 | 345 | 295 | 330 | 255 | 200 | 235 | 285 | 280 | 282 | 345 | 340 | 342 | 355 | 345 | 350 |
| 6 | 330 | 325 | 327 | 345 | 225 | 300 | 275 | 255 | 265 | 285 | 280 | 282 | 345 | 345 | 345 | 350 | 345 | 348 |
| 7 | 330 | 325 | 328 | 345 | 275 | 320 | 290 | 275 | 285 | 285 | 283 | 284 | 345 | 345 | 345 | 355 | 345 | 350 |
| 8 | 330 | 325 | 329 | 385 | 345 | 370 | 290 | 250 | 275 | 288 | 285 | 287 | 345 | 340 | 342 | 355 | 350 | 355 |
| 9 | 325 | 320 | 325 | 385 | 375 | 380 | 285 | 275 | 280 | 290 | 285 | 290 | 340 | 340 | 340 | 360 | 350 | 355 |
| 10 | 325 | 320 | 322 | 390 | 375 | 385 | 295 | 285 | 290 | 290 | 290 | 290 | 345 | 340 | 342 | 360 | 350 | 355 |
| 11 | 325 | 320 | 320 | NR | NR | NR | 305 | 295 | 300 | 295 | 285 | 280 | 345 | 345 | 345 | 360 | 350 | 355 |
| 12 | 325 | 320 | 322 | NR | NR | NR | 305 | 305 | 305 | NR | NR | NR | 345 | 345 | 345 | 355 | 230 | 305 |
| 13 | 325 | 320 | 320 | NR | NR | NR | 315 | 310 | 312 | NR | NR | NR | 350 | 345 | 345 | NR | NR | NR |
| 14 | 325 | 320 | 320 | NR | NR | NR | 318 | 312 | 315 | NR | NR | NR | 350 | 340 | 345 | NR | NR | NR |
| 15 | 325 | 320 | 325 | NR | NR | NR | 320 | 310 | 315 | NR | NR | NR | 350 | 345 | 348 | NR | NR | NR |
| 16 | 325 | 320 | 323 | NR | NR | NR | 310 | 230 | 250 | NR | NR | NR | 350 | 340 | 345 | 320 | 300 | 310 |
| 17 | 325 | 315 | 320 | NR | NR | NR | 250 | 230 | 240 | NR | NR | NR | 345 | 340 | 343 | NR | NR | NR |
| 18 | 325 | 315 | 320 | NR | NR | NR | 250 | 165 | 200 | NR | NR | NR | 345 | 340 | 345 | NR | NR | NR |
| 19 | 325 | 320 | 322 | NR | NR | NR | 195 | 165 | 180 | NR | NR | NR | 340 | 315 | 335 | NR | NR | NR |
| 20 | 325 | 305 | 315 | 355 | 315 | 345 | 230 | 145 | 200 | NR | NR | NR | 340 | 335 | 338 | 330 | 330 | 330 |
| 21 | 335 | 310 | 330 | 340 | 340 | 340 | 190 | 125 | 160 | NR | NR | NR | 340 | 335 | 335 | 335 | 330 | 333 |
| 22 | 340 | 315 | 325 | 345 | 335 | 340 | 215 | 190 | 205 | NR | NR | NR | 345 | 335 | 340 | 340 | 335 | 335 |
| 23 | 360 | 330 | 340 | 345 | 315 | 335 | 200 | 185 | 190 | NR | NR | NR | 350 | 345 | 347 | 340 | 335 | 338 |
| 24 | 360 | 345 | 350 | 350 | 320 | 340 | 235 | 185 | 205 | NR | NR | NR | 350 | 345 | 350 | 345 | 340 | 340 |
| 25 | 345 | 340 | 340 | 330 | 285 | 315 | 245 | 235 | 240 | NR | NR | NR | 355 | 350 | 350 | 345 | 320 | 335 |
| 26 | 340 | 330 | 338 | 340 | 230 | 305 | 260 | 230 | 240 | 335 | 335 | 335 | 350 | 350 | 350 | 325 | 250 | 280 |
| 27 | 335 | 330 | 335 | 345 | 305 | 335 | 265 | 240 | 257 | 340 | 335 | 337 | 350 | 335 | 342 | 290 | 255 | 275 |
| 28 | 335 | 330 | 333 | 320 | 195 | 220 | 275 | 260 | 270 | 340 | 335 | 340 | 350 | 345 | 345 | 320 | 290 | 310 |
| 29 | 335 | 325 | 332 | 225 | 190 | 205 | 275 | 240 | 257 | 340 | 335 | 340 | | | | 325 | 315 | 320 |
| 30 | 330 | 325 | 329 | 250 | 230 | 240 | 270 | 250 | 260 | 340 | 340 | 340 | | | | 325 | 320 | 320 |
| 31 | 335 | 325 | 330 | | | | 280 | 270 | 275 | 340 | 340 | 340 | | | | 325 | 320 | 325 |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 325 | 320 | 320 | 385 | 380 | 385 | 360 | 355 | 355 | 360 | 355 | 360 | 350 | 345 | 347 | 350 | 340 | 345 |
| 2 | 320 | 320 | 320 | 380 | 365 | 375 | 360 | 355 | 355 | 365 | 360 | 362 | 355 | 345 | 348 | 350 | 340 | 345 |
| 3 | 325 | 320 | 322 | 370 | 365 | 370 | 360 | 355 | 360 | 365 | 355 | 360 | 355 | 350 | 352 | 350 | 345 | 348 |
| 4 | 325 | 320 | 325 | 370 | 365 | 365 | 360 | 360 | 360 | 360 | 350 | 355 | 355 | 345 | 350 | 355 | 345 | 350 |
| 5 | 325 | 325 | 325 | 370 | 365 | 370 | 365 | 360 | 360 | 355 | 350 | 353 | 350 | 340 | 345 | 355 | 345 | 348 |
| 6 | 330 | 320 | 325 | 370 | 365 | 370 | 360 | 355 | 358 | 355 | 350 | 352 | 350 | 340 | 345 | 355 | 345 | 350 |
| 7 | 325 | 320 | 323 | 375 | 365 | 370 | 360 | 355 | 358 | 355 | 350 | 355 | 350 | 340 | 345 | 350 | 340 | 345 |
| 8 | 330 | 325 | 327 | 365 | 360 | 365 | 365 | 360 | 362 | 355 | 350 | 355 | 350 | 345 | 347 | NR | NR | NR |
| 9 | 330 | 325 | 328 | 360 | 345 | 355 | 365 | 360 | 362 | 355 | 350 | 355 | 350 | 345 | 347 | NR | NR | NR |
| 10 | 325 | 315 | 320 | 345 | 340 | 345 | 365 | 360 | 360 | 355 | 345 | 355 | 350 | 345 | 347 | NR | NR | NR |
| 11 | 325 | 315 | 320 | 360 | 345 | 355 | 370 | 360 | 365 | 355 | 345 | 350 | 355 | 340 | 350 | NR | NR | NR |
| 12 | 330 | 325 | 325 | 365 | 355 | 360 | 365 | 360 | 365 | 355 | 350 | 352 | 350 | 340 | 345 | NR | NR | NR |
| 13 | 330 | 285 | 325 | NR | NR | NR | 370 | 360 | 365 | 360 | 350 | 355 | 350 | 340 | 345 | NR | NR | NR |
| 14 | 295 | 225 | 280 | NR | NR | NR | 370 | 360 | 365 | 360 | 350 | 355 | 350 | 340 | 345 | 360 | 328 | 350 |
| 15 | 315 | 295 | 310 | NR | NR | NR | 365 | 360 | 365 | 355 | 350 | 355 | 350 | 340 | 345 | 360 | 352 | 355 |
| 16 | 315 | 310 | 313 | NR | NR | NR | 370 | 360 | 365 | 360 | 350 | 355 | 350 | 340 | 345 | 359 | 345 | 353 |
| 17 | 315 | 305 | 310 | NR | NR | NR | 370 | 360 | 365 | 360 | 350 | 357 | 350 | 340 | 345 | 358 | 348 | 353 |
| 18 | 315 | 305 | 310 | NR | NR | NR | 370 | 360 | 365 | 360 | 355 | 358 | 350 | 340 | 345 | 355 | 345 | 352 |
| 19 | 315 | 315 | 315 | 355 | 345 | 350 | 370 | 360 | 365 | 360 | 350 | 355 | 350 | 345 | 348 | 350 | 345 | 348 |
| 20 | 315 | 315 | 315 | 350 | 350 | 350 | 365 | 355 | 360 | 355 | 350 | 352 | 350 | 345 | 348 | 349 | 341 | 345 |
| 21 | 315 | 315 | 315 | 350 | 350 | 350 | 360 | 350 | 355 | 355 | 350 | 353 | 350 | 345 | 348 | 345 | 345 | 345 |
| 22 | 315 | 315 | 315 | 350 | 350 | 350 | 360 | 350 | 355 | 355 | 345 | 350 | 350 | 345 | 347 | 345 | 345 | 345 |
| 23 | 320 | 315 | 318 | 355 | 350 | 352 | 360 | 355 | 358 | 355 | 345 | 350 | 350 | 340 | 345 | 350 | 345 | 348 |
| 24 | 320 | 315 | 318 | 355 | 350 | 353 | 365 | 355 | 360 | 355 | 345 | 350 | 350 | 340 | 343 | 350 | 345 | 350 |
| 25 | 320 | 315 | 320 | 355 | 340 | 345 | 365 | 360 | 365 | 355 | 345 | 350 | 350 | 340 | 345 | 355 | 340 | 345 |
| 26 | 320 | 320 | 320 | 355 | 350 | 350 | 365 | 355 | 362 | 350 | 345 | 348 | 350 | 340 | 345 | 355 | 335 | 345 |
| 27 | 360 | 320 | 340 | 355 | 355 | 355 | 360 | 355 | 358 | 350 | 345 | 348 | 350 | 345 | 347 | 345 | 340 | 340 |
| 28 | 370 | 360 | 365 | 360 | 355 | 358 | 360 | 355 | 358 | 355 | 345 | 350 | 350 | 345 | 348 | 345 | 340 | 343 |
| 29 | 385 | 370 | 380 | 360 | 355 | 358 | 360 | 355 | 360 | 355 | 345 | 350 | 350 | 345 | 347 | 340 | 330 | 337 |
| 30 | 385 | 370 | 375 | 360 | 355 | 358 | 360 | 355 | 358 | 355 | 345 | 350 | 350 | 340 | 345 | 350 | 330 | 340 |
| 31 | | | | 360 | 355 | 357 | | | | 355 | 345 | 348 | 350 | 340 | 345 | | | |

NR - No record

TABLE D-7 (Cont.)

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

D1 1250.00 PAJARO RIVER NEAR CHITTENDEN
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | N | | | N | | | N | | | N | | | N | | | N | |
| 11 | | O | | | O | | | O | | | O | | | O | | | O | |
| 12 | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | R | | | R | | | R | | | R | | | R | | | R | |
| 16 | | E | | | E | | | E | | | E | | | E | | | E | |
| 17 | | | | | | | | | | | | | | | | | | |
| 18 | | C | | | C | | | C | | | C | | | C | | | C | |
| 19 | | | | | | | | | | | | | | | | | | |
| 20 | | O | | | O | | | O | | | O | | | O | | | O | |
| 21 | | R | | | R | | | R | | | R | | | R | | | R | |
| 22 | | | | | | | | | | | | | | | | | | |
| 23 | | D | | | D | | | D | | | D | | | D | | | D | |
| 24 | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | | | | | | | | | | NR | NR | NR | 2,220 | 2,060 | 2,127 | 1,590 | 1,570 | 1,578 |
| 2 | | | | | | | | | | NR | NR | NR | 2,340 | 1,280 | 1,927 | 1,610 | 1,590 | 1,598 |
| 3 | | | | | | | | | | NR | NR | NR | 2,130 | 1,800 | 1,966 | 1,610 | 1,580 | 1,595 |
| 4 | | | | | | | | | | NR | NR | NR | 1,850 | 1,500 | 1,712 | 1,600 | 1,580 | 1,585 |
| 5 | | | | | | | | | | NR | NR | NR | 1,700 | 1,580 | 1,632 | 1,590 | 1,580 | 1,589 |
| 6 | | | | | | | | | | NR | NR | NR | 1,820 | 1,700 | 1,757 | 1,610 | 1,590 | 1,602 |
| 7 | | | | | | | | | | NR | NR | NR | 1,850 | 1,750 | 1,812 | 1,610 | 1,600 | 1,607 |
| 8 | | | | | | | | | | NR | NR | NR | 1,800 | 1,720 | 1,772 | 1,590 | 1,580 | 1,581 |
| 9 | | | | | | | | | | NR | NR | NR | 1,710 | 1,570 | 1,647 | 1,590 | 1,580 | 1,582 |
| 10 | | N | | | N | | | N | | NR | NR | NR | 1,610 | 1,540 | 1,572 | 1,580 | 1,550 | 1,561 |
| 11 | | O | | | O | | | O | | NR | NR | NR | 1,590 | 1,520 | 1,553 | 1,550 | 1,540 | 1,545 |
| 12 | | | | | | | | | | NR | NR | NR | 1,520 | 1,500 | 1,508 | 1,590 | 1,520 | 1,530 |
| 13 | | | | | | | | | | NR | NR | NR | 1,520 | 1,500 | 1,510 | 1,530 | 1,530 | 1,530 |
| 14 | | | | | | | | | | NR | NR | NR | 1,530 | 1,480 | 1,500 | 1,550 | 1,520 | 1,529 |
| 15 | | R | | | R | | | R | | NR | NR | NR | 1,480 | 1,450 | 1,466 | 1,590 | 1,540 | 1,555 |
| 16 | | E | | | E | | | E | | NR | NR | NR | 1,450 | 1,420 | 1,431 | 1,630 | 1,510 | 1,562 |
| 17 | | | | | | | | | | NR | NR | NR | 1,450 | 1,420 | 1,427 | 1,660 | 1,580 | 1,644 |
| 18 | | C | | | C | | | C | | NR | NR | NR | 1,440 | 1,390 | 1,407 | 1,660 | 1,640 | 1,643 |
| 19 | | | | | | | | | | NR | NR | NR | 1,460 | 1,440 | 1,444 | 1,750 | 1,700 | 1,717 |
| 20 | | O | | | O | | | O | | NR | NR | NR | 1,450 | 1,440 | 1,443 | 1,770 | 1,740 | 1,757 |
| 21 | | R | | | R | | | R | | NR | NR | NR | 1,450 | 1,440 | 1,445 | 1,750 | 1,720 | 1,742 |
| 22 | | | | | | | | | | 1,575 | 1,460 | 1,511 | 1,490 | 1,450 | 1,462 | 1,760 | 1,730 | 1,734 |
| 23 | | D | | | D | | | D | | 1,530 | 1,450 | 1,501 | 1,570 | 1,500 | 1,525 | 1,830 | 1,800 | 1,807 |
| 24 | | | | | | | | | | 1,650 | 1,540 | 1,590 | 1,620 | 1,580 | 1,592 | 1,850 | 1,840 | 1,841 |
| 25 | | | | | | | | | | 1,680 | 1,600 | 1,643 | 1,590 | 1,560 | 1,576 | 1,880 | 1,850 | 1,869 |
| 26 | | | | | | | | | | 1,620 | 1,600 | 1,606 | 1,650 | 1,580 | 1,605 | 1,880 | 1,880 | 1,880 |
| 27 | | | | | | | | | | 1,650 | 1,610 | 1,633 | 1,670 | 1,650 | 1,660 | 1,920 | 1,880 | 1,892 |
| 28 | | | | | | | | | | 1,630 | 1,590 | 1,610 | 1,660 | 1,640 | 1,649 | 1,870 | 1,820 | 1,843 |
| 29 | | | | | | | | | | 1,650 | 1,620 | 1,631 | 1,640 | 1,620 | 1,627 | 1,800 | 1,760 | 1,786 |
| 30 | | | | | | | | | | 1,710 | 1,650 | 1,683 | 1,620 | 1,600 | 1,610 | 1,730 | 1,720 | 1,727 |
| 31 | | | | | | | | | | 2,030 | 1,710 | 1,771 | 1,610 | 1,600 | 1,602 | | | |

NR - No record.

TABLE D-7 (Cont.)

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

D2 1006.60 TEMBLADERO SLOUGH AT MERRITT LAKE DRAIN
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | NR | NR | NR | 2,290 | 1,895 | 2,079 | 1,776 | 1,591 | 1,696 | 1,840 | 1,650 | 1,731 | 2,300 | 2,200 | 2,247 | 2,360 | 2,065 | 2,194 |
| 2 | NR | NR | NR | 2,230 | 1,710 | 2,023 | 1,856 | 1,500 | 1,722 | 2,150 | 1,575 | 1,798 | 2,450 | 2,210 | 2,298 | 2,500 | 2,040 | 2,225 |
| 3 | NR | NR | NR | 2,300 | 1,800 | 2,043 | 1,460 | 1,195 | 1,271 | 1,885 | 1,560 | 1,709 | 2,450 | 2,220 | 2,343 | 2,850 | 1,500 | 2,292 |
| 4 | NR | NR | NR | 2,170 | 1,700 | 1,937 | 1,860 | 1,260 | 1,669 | 1,805 | 1,675 | 1,727 | 2,280 | 2,100 | 2,174 | 2,700 | 2,310 | 2,452 |
| 5 | NR | NR | NR | 2,070 | 1,850 | 1,965 | 2,120 | 1,800 | 1,940 | NR | NR | NR | 2,210 | 2,100 | 2,141 | 2,710 | 2,390 | 2,511 |
| 6 | NR | NR | NR | 2,170 | 2,080 | 2,121 | 2,320 | 1,960 | 2,098 | NR | NR | NR | 2,250 | 2,095 | 2,157 | 2,620 | 2,100 | 2,317 |
| 7 | NR | NR | NR | 2,290 | 1,420 | 1,984 | 2,480 | 2,050 | 2,152 | NR | NR | NR | 2,350 | 2,110 | 2,238 | 2,700 | 2,120 | 2,387 |
| 8 | 2,750 | 2,340 | 2,450 | 1,390 | 1,150 | 1,267 | 2,500 | 2,090 | 2,258 | NR | NR | NR | 2,400 | 2,200 | 2,278 | 2,810 | 2,200 | 2,465 |
| 9 | 3,200 | 1,820 | 2,916 | 1,150 | 1,105 | 1,116 | 2,330 | 2,110 | 2,214 | NR | NR | NR | 2,305 | 2,190 | 2,237 | 2,700 | 2,150 | 2,357 |
| 10 | 2,330 | 1,760 | 2,011 | 1,250 | 1,120 | 1,160 | 2,360 | 2,200 | 2,296 | NR | NR | NR | 2,530 | 2,415 | 2,466 | 2,600 | 1,995 | 2,317 |
| 11 | 2,800 | 2,390 | 2,634 | 1,448 | 1,273 | 1,363 | 2,450 | 2,200 | 2,277 | NR | NR | NR | 2,505 | 2,440 | 2,469 | 2,450 | 1,900 | 2,150 |
| 12 | 2,920 | 2,800 | 2,860 | 1,598 | 1,373 | 1,481 | 2,330 | 2,180 | 2,282 | 1,515 | 725 | 935 | 2,600 | 2,350 | 2,472 | 2,300 | 1,655 | 2,024 |
| 13 | 3,260 | 2,890 | 3,075 | 1,748 | 1,393 | 1,581 | NR | NR | NR | 920 | 720 | 811 | 2,790 | 2,505 | 2,613 | 1,800 | 1,007 | 1,398 |
| 14 | 3,430 | 3,210 | 3,296 | 1,673 | 1,373 | 1,518 | NR | NR | NR | 1,275 | 860 | 1,018 | 2,730 | 2,315 | 2,529 | 1,005 | 831 | 1,039 |
| 15 | 3,420 | 3,350 | 3,385 | 1,773 | 1,423 | 1,585 | NR | NR | NR | 1,655 | 1,060 | 1,416 | 2,715 | 1,655 | 2,362 | 1,025 | 870 | 1,013 |
| 16 | 3,510 | 3,190 | 3,396 | 1,843 | 1,493 | 1,649 | NR | NR | NR | 1,700 | 1,645 | 1,672 | 2,560 | 2,260 | 2,423 | 1,720 | 1,300 | 1,545 |
| 17 | 3,570 | 3,480 | 3,516 | 2,023 | 1,523 | 1,737 | NR | NR | NR | 1,840 | 1,680 | 1,788 | 3,200 | 2,505 | 2,800 | 1,850 | 1,500 | 1,661 |
| 18 | 3,650 | 3,500 | 3,575 | 2,046 | 1,746 | 1,896 | NR | NR | NR | 2,175 | 1,485 | 1,736 | 3,350 | 2,780 | 3,002 | 2,100 | 1,600 | 1,809 |
| 19 | 3,750 | 3,520 | 3,619 | 2,000 | 1,746 | 1,866 | NR | NR | NR | 1,740 | 1,460 | 1,621 | 2,864 | 2,310 | 2,636 | 2,160 | 1,700 | 1,892 |
| 20 | 3,900 | 3,710 | 3,780 | 2,070 | 1,696 | 1,856 | NR | NR | NR | 2,060 | 1,700 | 1,867 | 2,440 | 2,000 | 2,131 | 2,200 | 1,850 | 2,048 |
| 21 | 3,800 | 3,620 | 3,710 | 2,113 | 1,275 | 1,763 | NR | NR | NR | 2,080 | 1,640 | 1,801 | 2,170 | 1,914 | 2,034 | 2,400 | 1,900 | 2,065 |
| 22 | 3,640 | 3,210 | 3,488 | 1,603 | 1,350 | 1,481 | NR | NR | NR | 1,990 | 1,710 | 1,850 | 2,980 | 1,890 | 2,339 | 2,300 | 1,850 | 2,076 |
| 23 | NR | NR | NR | 1,890 | 1,530 | 1,709 | NR | NR | NR | 1,945 | 1,775 | 1,860 | 2,805 | 1,870 | 2,366 | 2,500 | 1,900 | 2,172 |
| 24 | NR | NR | NR | 1,975 | 1,250 | 1,484 | NR | NR | NR | 1,930 | 1,665 | 1,748 | 2,240 | 2,025 | 2,121 | 2,430 | 2,000 | 2,175 |
| 25 | NR | NR | NR | 1,960 | 1,400 | 1,656 | 2,050 | 1,910 | 2,015 | 1,880 | 1,680 | 1,780 | 2,230 | 2,120 | 2,166 | 2,600 | 1,850 | 2,158 |
| 26 | NR | NR | NR | 1,526 | 1,176 | 1,356 | 2,850 | 1,945 | 2,117 | 1,950 | 1,650 | 1,820 | 2,310 | 2,102 | 2,220 | 2,800 | 1,120 | 1,670 |
| 27 | NR | NR | NR | 1,296 | 1,146 | 1,166 | 2,150 | 960 | 1,486 | 1,900 | 1,640 | 1,721 | 2,322 | 2,090 | 2,206 | 1,010 | 750 | 906 |
| 28 | NR | NR | NR | 1,626 | 1,166 | 1,424 | 1,380 | 1,150 | 1,265 | 1,740 | 1,550 | 1,645 | 2,280 | 2,080 | 2,192 | 820 | 680 | 744 |
| 29 | 1,850 | 1,700 | 1,775 | 1,696 | 1,456 | 1,607 | 1,745 | 1,410 | 1,595 | 1,860 | 1,695 | 1,740 | | | | 1,010 | 720 | 888 |
| 30 | 2,310 | 1,875 | 2,092 | 1,591 | 1,466 | 1,505 | 1,760 | 1,730 | 1,742 | 1,940 | 1,740 | 1,804 | | | | 1,300 | 910 | 1,172 |
| 31 | 2,330 | 1,890 | 2,000 | | | | 2,240 | 1,580 | 1,782 | 2,240 | 1,975 | 2,107 | | | | 1,625 | 1,400 | 1,530 |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 2,175 | 1,450 | 1,774 | 2,000 | 1,720 | 1,813 | 2,550 | 2,050 | 2,296 | NR | NR | NR | 3,600 | 3,500 | 3,568 | 2,580 | 2,200 | 2,370 |
| 2 | 2,200 | 1,750 | 1,885 | 1,950 | 1,750 | 1,839 | 2,600 | 2,150 | 2,370 | NR | NR | NR | 3,500 | 3,100 | 3,264 | 2,780 | 2,380 | 2,531 |
| 3 | 2,100 | 1,800 | 2,020 | 2,200 | 1,900 | 2,021 | 2,300 | 2,000 | 2,152 | NR | NR | NR | 3,700 | 3,500 | 3,566 | 2,820 | 2,120 | 2,362 |
| 4 | 2,250 | 2,000 | 2,288 | 2,175 | 1,750 | 1,998 | 2,400 | 2,050 | 2,192 | NR | NR | NR | 3,750 | 3,250 | 3,539 | 2,460 | 1,960 | 2,197 |
| 5 | 2,320 | 1,950 | 2,113 | 2,000 | 1,800 | 1,841 | 2,350 | 2,100 | 2,216 | NR | NR | NR | 3,450 | 2,800 | 3,222 | 2,660 | 2,000 | 2,320 |
| 6 | 2,400 | 1,850 | 2,140 | 2,100 | 1,710 | 1,866 | 2,250 | 2,150 | 2,204 | NR | NR | NR | 3,150 | 2,760 | 2,955 | 2,680 | 1,800 | 2,088 |
| 7 | 2,100 | 1,850 | 1,945 | 2,000 | 1,700 | 1,838 | 2,500 | 2,150 | 2,323 | NR | NR | NR | 3,200 | 2,760 | 2,983 | 2,170 | 1,950 | 2,048 |
| 8 | 1,900 | 1,600 | 1,760 | 1,900 | 1,700 | 1,810 | 2,500 | 2,300 | 2,358 | NR | NR | NR | 3,200 | 2,700 | 2,871 | 2,250 | 1,760 | 2,048 |
| 9 | 1,900 | 1,525 | 1,695 | 2,000 | 1,800 | 1,916 | 2,380 | 2,100 | 2,280 | NR | NR | NR | 3,060 | 2,860 | 2,890 | 2,660 | 2,310 | 2,438 |
| 10 | 2,000 | 1,625 | 1,814 | 2,100 | 1,800 | 1,933 | 2,600 | 2,200 | 2,350 | NR | NR | NR | 3,100 | 2,900 | 2,957 | 2,700 | 1,810 | 2,150 |
| 11 | 1,950 | 1,675 | 1,832 | 2,200 | 1,650 | 2,026 | 2,400 | 2,150 | 2,260 | NR | NR | NR | 3,300 | 2,900 | 3,085 | 2,310 | 1,800 | 2,014 |
| 12 | 1,900 | 1,550 | 1,780 | 2,300 | 1,850 | 2,047 | 2,300 | 2,050 | 2,170 | NR | NR | NR | 3,700 | 3,300 | 3,450 | 2,610 | 2,160 | 2,379 |
| 13 | 2,175 | 1,700 | 1,903 | 2,200 | 1,850 | 2,010 | 2,500 | 2,050 | 2,255 | 2,900 | 2,800 | 2,830 | 3,700 | 3,200 | 3,364 | 2,630 | 1,650 | 1,936 |
| 14 | 1,900 | 1,300 | 1,563 | 2,000 | 1,850 | 1,962 | 2,500 | 2,200 | 2,301 | 3,000 | 2,550 | 2,797 | 3,560 | 3,200 | 3,337 | 2,160 | 1,530 | 1,750 |
| 15 | 1,200 | 825 | 963 | 2,400 | 1,850 | 2,118 | 2,300 | 2,220 | 2,255 | 3,500 | 2,800 | 3,087 | 4,000 | 3,600 | 3,775 | 1,900 | 1,600 | 1,685 |
| 16 | 950 | 800 | 842 | 2,260 | 1,900 | 2,070 | 2,750 | 2,250 | 2,533 | 3,050 | 2,640 | 2,803 | 4,140 | 4,020 | 4,078 | 2,100 | 1,500 | 1,856 |
| 17 | 1,000 | 900 | 940 | 2,050 | 1,950 | 2,012 | 2,780 | 2,500 | 2,594 | 3,000 | 2,500 | 2,710 | 4,250 | 2,850 | 3,626 | 2,100 | 1,200 | 1,602 |
| 18 | 1,030 | 970 | 997 | 2,100 | 1,900 | 2,041 | 2,650 | 2,400 | 2,504 | 2,900 | 2,100 | 2,610 | 3,450 | 3,100 | 3,285 | 1,400 | 1,250 | 1,312 |
| 19 | 1,050 | 800 | 902 | 2,200 | 1,900 | 2,090 | 2,550 | 2,350 | 2,465 | 2,670 | 2,200 | 2,512 | 3,550 | 2,950 | 3,269 | 1,450 | 1,200 | 1,422 |
| 20 | 1,200 | 800 | 935 | 2,280 | 1,900 | 2,115 | 2,480 | 2,250 | 2,386 | 2,800 | 2,070 | 2,334 | 3,550 | 2,850 | 3,027 | 1,800 | 1,050 | 1,493 |
| 21 | 1,350 | 1,050 | 1,172 | 2,200 | 2,000 | 2,140 | 2,800 | 2,300 | 2,452 | 2,500 | 1,950 | 2,089 | 3,400 | 2,600 | 3,145 | 1,850 | 1,050 | 1,543 |
| 22 | 1,710 | 1,250 | 1,458 | 2,300 | 1,900 | 2,118 | 2,500 | 1,450 | 2,289 | 3,000 | 2,500 | 2,822 | 2,900 | 2,400 | 2,735 | 1,900 | 1,220 | 1,598 |
| 23 | 1,700 | 1,250 | 1,404 | 2,300 | 2,050 | 2,122 | 2,350 | 1,200 | 2,087 | 2,850 | 2,600 | 2,737 | 3,080 | 2,150 | 2,540 | 1,950 | 1,050 | 1,570 |
| 24 | 1,550 | 1,350 | 1,433 | 2,000 | 1,800 | 1,935 | 2,300 | 1,100 | 2,016 | 3,150 | 2,750 | 2,931 | 2,850 | 2,280 | 2,520 | 2,000 | 1,050 | 1,526 |
| 25 | 1,625 | 1,450 | 1,552 | 2,080 | 1,800 | 1,935 | 2,500 | 1,060 | 1,834 | 3,050 | 2,500 | 2,841 | 2,940 | 2,060 | 2,481 | 1,950 | 1,250 | 1,630 |
| 26 | 2,000 | 1,750 | 1,868 | 2,100 | 1,900 | 1,991 | 2,500 | 1,000 | 2,024 | 3,150 | 3,000 | 3,072 | 2,900 | 2,100 | 2,586 | 1,800 | 1,300 | 1,540 |
| 27 | 1,900 | 1,800 | 1,878 | 2,000 | 1,850 | 1,967 | 2,700 | 2,500 | 2,612 | 3,150 | 2,600 | 2,939 | 2,840 | 2,200 | 2,517 | 1,850 | 1,250 | 1,545 |
| 28 | 2,020 | 1,800 | 1,837 | 2,300 | 2,000 | 2,100 | 2,750 | 940 | 2,238 | 2,800 | 2,300 | 2,527 | 2,700 | 2,140 | 2,343 | 1,950 | 1,200 | 1,560 |
| 29 | 2,050 | 1,600 | 1,860 | 2,200 | 2,000 | 2,092 | 2,550 | 1,050 | 2,133 | 2,600 | 2,300 | 2,499 | 2,900 | 2,600 | 2,717 | 1,800 | 1,050 | 1,397 |
| 30 | 2,175 | 1,800 | 1,920 | 2,200 | 2,050 | 2,144 | 2,500 | 2,400 | 2,450 | 3,600 | 2,500 | 3,072 | 2,940 | 2,140 | 2,407 | 1,180 | 950 | 1,074 |
| 31 | | | | 2,300 | 2,100 | 2,198 | | | | 3,550 | 3,500 | 3,522 | 2,330 | 2,100 | 2,232 | | | |

NR - No record.

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

D2 1016.50 SALINAS RECLAMATION CANAL AT ALISAL S.T.P.
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | NR | NR | NR | 975 | 560 | 772 | 807 | 662 | 743 | 1,803 | 833 | 1,675 | 1,630 | 1,575 | 1,595 | 1,470 | 820 | 1,049 |
| 2 | NR | NR | NR | 935 | 560 | 745 | 807 | 85 | 306 | 1,108 | 713 | 938 | 1,600 | 1,140 | 1,515 | 1,610 | 1,020 | 1,299 |
| 3 | NR | NR | NR | 880 | 700 | 791 | 1,510 | 345 | 698 | 1,148 | 1,073 | 1,103 | 1,620 | 1,160 | 1,407 | 1,340 | 740 | 1,145 |
| 4 | NR | NR | NR | 1,040 | 700 | 847 | 1,550 | 100 | 768 | 1,403 | 1,083 | 1,239 | 1,490 | 940 | 1,214 | 1,590 | 720 | 1,123 |
| 5 | NR | NR | NR | 1,640 | 820 | 1,129 | 1,460 | 1,030 | 1,255 | 1,463 | 1,343 | 1,410 | 1,175 | 800 | 968 | 1,120 | 760 | 910 |
| 6 | NR | NR | NR | 2,950 | 360 | 1,175 | 1,520 | 1,345 | 1,429 | 1,620 | 1,458 | 1,540 | 1,155 | 995 | 1,063 | 1,540 | 700 | 902 |
| 7 | NR | NR | NR | NR | NR | NR | 1,610 | 1,050 | 1,352 | 1,740 | 1,470 | 1,553 | 1,060 | 1,000 | 1,043 | 840 | 700 | 758 |
| 8 | NR | NR | NR | 1,000 | 500 | 627 | 1,428 | 1,138 | 1,270 | 1,790 | 1,470 | 1,605 | 2,000 | 905 | 1,308 | 2,170 | 780 | 921 |
| 9 | NR | NR | NR | 1,275 | 540 | 872 | 1,228 | 1,138 | 1,203 | 1,770 | 1,470 | 1,651 | 1,597 | 810 | 1,132 | 2,140 | 860 | 1,061 |
| 10 | NR | NR | NR | 2,000 | 920 | 1,188 | 1,168 | 988 | 1,065 | 1,795 | 1,350 | 1,554 | 1,120 | 940 | 1,015 | 1,410 | 860 | 1,106 |
| 11 | NR | NR | NR | 1,930 | 936 | 1,151 | 1,038 | 963 | 990 | 1,450 | 510 | 1,137 | 1,327 | 995 | 1,122 | 1,350 | 870 | 1,130 |
| 12 | NR | NR | NR | 1,951 | 976 | 1,222 | 1,048 | 998 | 1,025 | 985 | 295 | 603 | 1,317 | 1,047 | 1,199 | 1,290 | 360 | 866 |
| 13 | NR | NR | NR | 1,726 | 1,116 | 1,247 | 1,178 | 248 | 773 | 1,000 | 250 | 592 | 1,297 | 947 | 1,182 | 1,090 | 420 | 747 |
| 14 | NR | NR | NR | 1,351 | 1,026 | 1,230 | 1,196 | 556 | 924 | 980 | 450 | 782 | 1,017 | 847 | 954 | 1,110 | 410 | 906 |
| 15 | NR | NR | NR | 1,456 | 946 | 1,185 | 1,566 | 306 | 1,229 | 1,380 | 830 | 928 | 1,157 | 987 | 1,066 | 1,260 | 540 | 978 |
| 16 | NR | NR | NR | 1,446 | 1,046 | 1,178 | 521 | 221 | 373 | 905 | 785 | 828 | 1,237 | 877 | 1,040 | 1,460 | 1,250 | 1,399 |
| 17 | NR | NR | NR | 1,706 | 986 | 1,171 | 696 | 221 | 364 | 905 | 765 | 818 | 1,244 | 1,014 | 1,099 | 1,500 | 1,430 | 1,464 |
| 18 | NR | NR | NR | 1,396 | 666 | 1,142 | 616 | 226 | 403 | 990 | 820 | 889 | 1,154 | 1,094 | 1,119 | 1,530 | 1,480 | 1,500 |
| 19 | NR | NR | NR | 1,902 | 812 | 1,183 | 706 | 581 | 652 | 980 | 880 | 929 | 1,024 | 214 | 572 | 1,530 | 1,460 | 1,504 |
| 20 | NR | NR | NR | 1,232 | 792 | 1,099 | 884 | 329 | 768 | 1,375 | 840 | 1,133 | 934 | 754 | 801 | 1,590 | 1,540 | 1,565 |
| 21 | 2,100 | 1,025 | 1,337 | 1,657 | 1,022 | 1,222 | 499 | 329 | 424 | 1,370 | 1,190 | 1,252 | 1,394 | 614 | 789 | 1,560 | 1,280 | 1,452 |
| 22 | 2,750 | 600 | 1,212 | 1,322 | 942 | 1,004 | 549 | 464 | 498 | 1,260 | 1,180 | 1,220 | 1,194 | 724 | 903 | 1,440 | 1,220 | 1,350 |
| 23 | 3,310 | 1,150 | 1,505 | 1,407 | 892 | 1,042 | 684 | 559 | 636 | 1,360 | 1,255 | 1,305 | 1,424 | 944 | 1,046 | 1,430 | 1,270 | 1,361 |
| 24 | 1,510 | 890 | 1,106 | 1,552 | 732 | 1,038 | 699 | 659 | 681 | 1,480 | 1,360 | 1,410 | 1,160 | 950 | 1,046 | 1,470 | 1,220 | 1,335 |
| 25 | 950 | 695 | 799 | 1,122 | 142 | 454 | 709 | 684 | 693 | 1,440 | 1,385 | 1,420 | 1,040 | 920 | 991 | 1,540 | 1,160 | 1,387 |
| 26 | 1,440 | 800 | 1,124 | 952 | 162 | 623 | 852 | 497 | 719 | 1,430 | 1,330 | 1,392 | 1,310 | 920 | 1,010 | 1,490 | 430 | 1,126 |
| 27 | 1,540 | 980 | 1,214 | 1,427 | 697 | 1,020 | 747 | 567 | 676 | 1,355 | 1,200 | 1,298 | 1,160 | 480 | 864 | 2,640 | 940 | 1,313 |
| 28 | 1,490 | 900 | 1,090 | 1,102 | 77 | 264 | 1,067 | 737 | 903 | 1,310 | 1,240 | 1,275 | 1,080 | 810 | 897 | 1,320 | 820 | 1,097 |
| 29 | 1,075 | 740 | 928 | 617 | 157 | 267 | 1,192 | 832 | 1,043 | 1,430 | 1,305 | 1,379 | | | | 1,550 | 970 | 1,332 |
| 30 | 1,220 | 940 | 1,039 | 652 | 317 | 513 | 1,472 | 1,162 | 1,279 | 1,510 | 1,380 | 1,435 | | | | 1,840 | 1,390 | 1,472 |
| 31 | 1,040 | 870 | 937 | | | | 1,732 | 1,482 | 1,557 | 1,570 | 1,500 | 1,538 | | | | 1,400 | 1,230 | 1,330 |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 1,440 | 1,340 | 1,386 | 1,220 | 1,090 | 1,135 | 1,270 | 1,130 | 1,197 | 1,450 | 1,190 | 1,257 | 1,390 | 1,030 | 1,092 | 1,200 | 940 | 1,113 |
| 2 | 1,390 | 1,290 | 1,352 | 1,170 | 730 | 925 | 1,360 | 1,210 | 1,263 | 1,230 | 1,140 | 1,193 | 1,750 | 1,120 | 1,262 | 1,150 | 940 | 1,006 |
| 3 | 1,340 | 1,250 | 1,300 | 1,180 | 860 | 1,050 | 1,340 | 1,260 | 1,290 | 1,260 | 1,190 | 1,232 | 1,600 | 1,060 | 1,248 | 1,180 | 1,050 | 1,100 |
| 4 | 1,390 | 870 | 1,080 | 1,350 | 1,180 | 1,295 | 1,290 | 1,240 | 1,258 | 1,250 | 1,120 | 1,217 | 1,460 | 980 | 1,145 | 1,050 | 800 | 881 |
| 5 | 1,490 | 940 | 1,087 | 1,500 | 1,330 | 1,409 | 1,350 | 1,250 | 1,291 | 1,200 | 1,100 | 1,133 | 1,390 | 1,120 | 1,241 | 1,130 | 830 | 887 |
| 6 | 1,130 | 330 | 919 | 1,430 | 1,240 | 1,319 | 1,300 | 1,100 | 1,172 | 1,520 | 1,120 | 1,231 | 1,440 | 1,200 | 1,438 | 940 | 860 | 908 |
| 7 | 1,440 | 610 | 1,129 | 1,320 | 1,180 | 1,252 | 1,340 | 1,090 | 1,212 | 1,470 | 1,100 | 1,334 | 1,380 | 1,110 | 1,202 | 1,250 | 920 | 1,027 |
| 8 | 3,240 | 1,060 | 1,452 | 1,350 | 1,240 | 1,310 | 1,340 | 1,120 | 1,234 | 1,470 | 1,110 | 1,310 | 1,240 | 900 | 988 | 1,050 | 820 | 931 |
| 9 | 3,640 | 1,070 | 1,497 | 1,350 | 1,260 | 1,292 | 1,630 | 920 | 1,164 | 1,580 | 1,250 | 1,420 | 1,170 | 920 | 1,188 | 1,050 | 960 | 991 |
| 10 | 1,240 | 780 | 883 | 1,320 | 1,230 | 1,277 | 1,340 | 880 | 1,115 | 1,530 | 1,320 | 1,407 | 1,210 | 1,050 | 1,123 | 1,300 | 940 | 1,047 |
| 11 | 920 | 720 | 805 | 1,300 | 1,080 | 1,234 | 1,330 | 1,040 | 1,233 | 1,360 | 1,220 | 1,300 | 1,500 | 940 | 1,117 | 1,300 | 1,000 | 1,186 |
| 12 | 1,840 | 800 | 1,180 | 1,400 | 700 | 1,041 | 1,270 | 920 | 1,096 | 1,610 | 1,240 | 1,446 | 2,100 | 950 | 1,237 | 1,400 | 920 | 1,123 |
| 13 | 1,940 | 250 | 1,105 | 1,700 | 820 | 1,139 | 1,150 | 820 | 911 | 1,580 | 1,360 | 1,455 | 1,400 | 940 | 1,139 | 1,300 | 960 | 1,164 |
| 14 | 1,140 | 210 | 740 | 1,600 | 640 | 988 | 1,390 | 1,000 | 1,194 | 2,340 | 1,270 | 1,490 | 1,060 | 900 | 994 | 1,220 | 930 | 1,132 |
| 15 | 2,000 | 870 | 1,280 | 1,500 | 620 | 785 | 1,370 | 1,160 | 1,281 | 1,820 | 1,260 | 1,432 | 1,030 | 750 | 923 | 1,430 | 780 | 1,009 |
| 16 | 2,000 | 760 | 1,262 | 820 | 590 | 629 | 1,270 | 940 | 1,127 | 1,530 | 1,120 | 1,341 | 1,250 | 940 | 1,116 | 1,350 | 870 | 1,129 |
| 17 | 1,420 | 220 | 785 | 1,360 | 650 | 888 | 1,250 | 880 | 1,083 | 1,530 | 1,190 | 1,276 | 1,250 | 900 | 1,084 | 1,330 | 1,190 | 1,272 |
| 18 | 1,600 | 590 | 824 | 1,040 | 640 | 880 | 1,210 | 1,070 | 1,089 | 1,360 | 1,270 | 1,320 | 1,150 | 860 | 955 | 1,430 | 1,230 | 1,274 |
| 19 | 2,300 | 730 | 1,267 | 1,040 | 950 | 998 | 1,270 | 990 | 1,139 | 1,670 | 1,330 | 1,402 | 1,110 | 900 | 1,012 | 1,270 | 1,150 | 1,205 |
| 20 | 2,050 | 1,040 | 1,392 | 1,040 | 900 | 984 | 1,220 | 1,020 | 1,077 | 1,540 | 1,230 | 1,420 | 1,150 | 780 | 985 | 1,520 | 1,270 | 1,389 |
| 21 | 2,400 | 1,080 | 1,457 | 1,040 | 960 | 1,001 | 1,520 | 1,060 | 1,237 | 1,630 | 1,410 | 1,505 | 1,300 | 820 | 967 | 1,520 | 1,270 | 1,422 |
| 22 | 1,710 | 1,120 | 1,345 | 1,140 | 1,060 | 1,091 | 1,470 | 1,210 | 1,332 | 1,750 | 1,290 | 1,380 | 1,050 | 800 | 948 | 1,520 | 1,240 | 1,330 |
| 23 | 1,480 | 1,120 | 1,353 | 1,100 | 860 | 946 | 1,310 | 1,050 | 1,209 | 1,350 | 1,210 | 1,295 | 1,400 | 940 | 1,183 | 1,470 | 1,230 | 1,370 |
| 24 | 1,600 | 1,050 | 1,348 | 1,080 | 850 | 950 | 1,370 | 1,180 | 1,238 | 1,470 | 1,100 | 1,215 | 1,600 | 1,080 | 1,225 | 1,540 | 1,260 | 1,380 |
| 25 | 1,500 | 710 | 828 | 1,190 | 1,080 | 1,143 | 1,480 | 960 | 1,185 | 1,100 | 960 | 1,011 | 1,350 | 950 | 1,117 | 1,480 | 1,290 | 1,410 |
| 26 | 1,130 | 790 | 1,002 | 1,150 | 1,040 | 1,103 | 1,360 | 1,060 | 1,205 | 1,870 | 1,010 | 1,278 | 1,150 | 970 | 1,051 | 1,300 | 1,210 | 1,252 |
| 27 | 1,090 | 790 | 1,005 | 1,160 | 1,070 | 1,107 | 1,400 | 1,030 | 1,117 | 1,380 | 1,080 | 1,252 | 1,380 | 830 | 1,005 | 1,560 | 1,260 | 1,419 |
| 28 | 1,230 | 880 | 1,015 | 1,210 | 1,040 | 1,117 | 1,320 | 980 | 1,171 | 1,460 | 1,170 | 1,264 | 1,250 | 960 | 1,112 | 1,580 | 1,330 | 1,484 |
| 29 | 1,210 | 930 | 1,091 | 1,350 | 1,270 | 1,297 | 1,770 | 1,240 | 1,289 | 1,350 | 1,050 | 1,122 | 1,150 | 760 | 889 | 1,710 | 1,440 | 1,520 |
| 30 | 1,290 | 930 | 1,128 | 1,260 | 1,210 | 1,227 | 1,310 | 1,220 | 1,269 | 1,510 | 1,130 | 1,313 | 1,250 | 900 | 1,095 | 1,560 | 1,400 | 1,484 |
| 31 | | | | 1,210 | 1,160 | 1,192 | | | | 1,300 | 980 | 1,088 | 1,200 | 1,050 | 1,112 | | | |

NR - No record.

TABLE D-7 (Cont.)

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

D2 1325.10 SALINAS RIVER NEAR GONZALES
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | NR | NR | NR | NR | NR | NR | 660 | 310 | 485 | 370 | 370 | 370 | 990 | 950 | 970 | | | |
| 2 | 360 | 300 | 330 | NR | NR | NR | 630 | 170 | 400 | NR | NR | NR | 1,070 | 942 | 1,006 | | | |
| 3 | 245 | 225 | 235 | NR | NR | NR | 480 | 200 | 340 | NR | NR | NR | 972 | 932 | 952 | | | |
| 4 | 325 | 275 | 300 | 400 | 320 | 360 | 525 | 435 | 480 | NR | NR | NR | 942 | 912 | 927 | | | |
| 5 | 225 | 200 | 212 | 380 | 315 | 348 | 520 | 460 | 490 | NR | NR | NR | 932 | 922 | 927 | | | |
| 6 | 325 | 235 | 280 | 370 | 330 | 350 | 660 | 500 | 580 | NR | NR | NR | 932 | 912 | 922 | | | |
| 7 | 350 | 270 | 310 | 345 | 340 | 342 | 770 | 660 | 715 | NR | NR | NR | 932 | 872 | 902 | | | |
| 8 | 320 | 250 | 285 | 345 | 345 | 345 | 745 | 695 | 720 | NR | NR | NR | 897 | 887 | 892 | | | |
| 9 | 340 | 235 | 287 | 345 | 335 | 340 | 690 | 500 | 595 | NR | NR | NR | 1,030 | 990 | 1,010 | | | |
| 10 | NR | NR | NR | 345 | 335 | 340 | 700 | 490 | 595 | NR | NR | NR | 1,020 | 990 | 1,005 | | N | |
| 11 | NR | NR | NR | 350 | 340 | 345 | 700 | 680 | 690 | NR | NR | NR | 1,020 | 990 | 1,005 | | O | |
| 12 | NR | NR | NR | NR | NR | NR | 700 | 670 | 685 | 924 | 890 | 907 | 1,030 | 990 | 1,010 | | | |
| 13 | 425 | 265 | 345 | NR | NR | NR | 700 | 680 | 690 | 890 | 470 | 680 | 1,040 | 1,000 | 1,020 | | | |
| 14 | 460 | 270 | 365 | NR | NR | NR | 720 | 680 | 700 | 850 | 380 | 615 | 1,030 | 1,010 | 1,020 | | | |
| 15 | 460 | 310 | 385 | NR | NR | NR | 740 | 710 | 725 | 700 | 400 | 550 | 1,040 | 1,010 | 1,025 | | R | |
| 16 | 460 | 275 | 367 | NR | NR | NR | 740 | 720 | 730 | 670 | 600 | 635 | 1,280 | 880 | 1,080 | | E | |
| 17 | 475 | 380 | 427 | NR | NR | NR | 745 | 715 | 730 | 640 | 600 | 620 | 1,638 | 1,098 | 1,368 | | | |
| 18 | 475 | 455 | 465 | NR | NR | NR | 725 | 695 | 710 | 675 | 645 | 660 | 1,588 | 1,148 | 1,368 | | C | |
| 19 | 470 | 450 | 460 | NR | NR | NR | 700 | 660 | 680 | 810 | 780 | 795 | 1,668 | 1,128 | 1,398 | | | |
| 20 | 465 | 375 | 420 | NR | NR | NR | 940 | 620 | 780 | 850 | 790 | 820 | 1,618 | 1,148 | 1,383 | | O | |
| 21 | 485 | 475 | 480 | NR | NR | NR | 920 | 260 | 590 | 880 | 817 | 848 | 1,388 | 1,128 | 1,258 | | R | |
| 22 | 490 | 480 | 485 | NR | NR | NR | 360 | 260 | 320 | 890 | 830 | 860 | 1,398 | 1,180 | 1,258 | | | |
| 23 | 490 | 460 | 475 | NR | NR | NR | 410 | 300 | 355 | 910 | 870 | 890 | 1,198 | 1,068 | 1,133 | | D | |
| 24 | 495 | 485 | 490 | NR | NR | NR | 315 | 285 | 300 | 1,060 | 1,030 | 1,045 | 1,367 | 1,207 | 1,287 | | | |
| 25 | 515 | 495 | 505 | NR | NR | NR | 360 | 310 | 335 | 1,080 | 1,070 | 1,075 | 1,747 | 1,257 | 1,502 | | | |
| 26 | 510 | 470 | 490 | NR | NR | NR | 380 | 260 | 320 | 1,070 | 930 | 1,000 | 1,817 | 1,397 | 1,607 | | | |
| 27 | NR | NR | NR | NR | NR | NR | 340 | 310 | 325 | 950 | 810 | 880 | 1,587 | 1,327 | 1,457 | | | |
| 28 | NR | NR | NR | NR | NR | NR | 445 | 295 | 370 | 860 | 830 | 845 | NR | NR | NR | | | |
| 29 | NR | NR | NR | 390 | 145 | 278 | 530 | 370 | 450 | 1,130 | 950 | 1,040 | | | | | | |
| 30 | NR | NR | NR | 310 | 155 | 237 | 440 | 380 | 410 | 950 | 890 | 920 | | | | | | |
| 31 | NR | NR | NR | | | | 385 | 365 | 375 | 950 | 910 | 930 | | | | | | |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | NR | NR | NR | NR | NR | NR | 440 | 420 | 430 | 230 | 210 | 220 | NR | NR | NR | NR | NR | NR |
| 2 | NR | NR | NR | NR | NR | NR | 440 | 430 | 435 | 220 | 200 | 210 | NR | NR | NR | NR | NR | NR |
| 3 | NR | NR | NR | NR | NR | NR | 540 | 430 | 485 | 220 | 200 | 210 | 200 | 140 | 170 | NR | NR | NR |
| 4 | NR | NR | NR | NR | NR | NR | 550 | 430 | 490 | 240 | 200 | 220 | 300 | 140 | 220 | NR | NR | NR |
| 5 | NR | NR | NR | NR | NR | NR | 440 | 430 | 435 | 240 | 210 | 225 | 350 | 260 | 305 | NR | NR | NR |
| 6 | 1,060 | 680 | 870 | NR | NR | NR | 450 | 440 | 445 | 230 | 230 | 230 | 350 | 280 | 315 | NR | NR | NR |
| 7 | 1,090 | 1,050 | 1,070 | NR | NR | NR | 450 | 430 | 440 | 230 | 220 | 225 | 380 | 300 | 340 | NR | NR | NR |
| 8 | 1,090 | 1,030 | 1,060 | NR | NR | NR | 450 | 280 | 365 | NR | NR | NR | 330 | 300 | 315 | NR | NR | NR |
| 9 | 1,070 | 670 | 870 | NR | NR | NR | 320 | 290 | 305 | NR | NR | NR | 360 | 260 | 310 | NR | NR | NR |
| 10 | NR | NR | NR | NR | NR | NR | 350 | 260 | 305 | NR | NR | NR | 350 | 250 | 300 | NR | NR | NR |
| 11 | NR | NR | NR | 690 | 550 | 620 | 360 | 260 | 310 | NR | NR | NR | 300 | 250 | 275 | NR | NR | NR |
| 12 | NR | NR | NR | 570 | 550 | 560 | 340 | 260 | 300 | NR | NR | NR | 290 | 250 | 270 | NR | NR | NR |
| 13 | NR | NR | NR | 580 | 560 | 570 | 300 | 240 | 270 | 360 | 320 | 340 | 310 | 270 | 290 | NR | NR | NR |
| 14 | NR | NR | NR | 720 | 520 | 620 | 310 | 250 | 280 | 400 | 350 | 375 | 350 | 310 | 330 | 340 | 340 | 340 |
| 15 | NR | NR | NR | 590 | 520 | 555 | 320 | 250 | 285 | 400 | 360 | 380 | 350 | 350 | 350 | 360 | 310 | 335 |
| 16 | NR | NR | NR | 580 | 550 | 565 | 320 | 250 | 285 | 370 | 340 | 355 | 350 | 330 | 340 | 310 | 200 | 255 |
| 17 | NR | NR | NR | 560 | 540 | 550 | 310 | 260 | 285 | 350 | 330 | 340 | 350 | 290 | 320 | 230 | 200 | 215 |
| 18 | NR | NR | NR | 570 | 530 | 550 | 300 | 250 | 275 | 350 | 260 | 305 | 350 | 280 | 315 | 260 | 210 | 235 |
| 19 | NR | NR | NR | 560 | 500 | 530 | 300 | 240 | 270 | 310 | 260 | 285 | 350 | 330 | 340 | 220 | 200 | 210 |
| 20 | NR | NR | NR | 560 | 510 | 535 | 270 | 260 | 265 | 290 | 140 | 215 | 390 | 330 | 360 | 210 | 200 | 205 |
| 21 | NR | NR | NR | 570 | 510 | 540 | 270 | 250 | 260 | NR | NR | NR | 390 | 390 | 390 | 240 | 210 | 225 |
| 22 | NR | NR | NR | 520 | 480 | 500 | 270 | 240 | 255 | NR | NR | NR | 390 | 370 | 380 | 240 | 200 | 220 |
| 23 | NR | NR | NR | 500 | 480 | 490 | 260 | 240 | 250 | NR | NR | NR | 370 | 310 | 340 | 220 | 200 | 210 |
| 24 | NR | NR | NR | 480 | 450 | 465 | 260 | 240 | 250 | NR | NR | NR | NR | NR | NR | 240 | 200 | 220 |
| 25 | NR | NR | NR | 460 | 440 | 450 | 260 | 230 | 245 | NR | NR | NR | NR | NR | NR | 250 | 200 | 225 |
| 26 | NR | NR | NR | 450 | 430 | 440 | 250 | 230 | 240 | NR | NR | NR | NR | NR | NR | 250 | 250 | 250 |
| 27 | NR | NR | NR | 440 | 420 | 430 | 240 | 210 | 225 | NR | NR | NR | NR | NR | NR | 250 | 250 | 250 |
| 28 | NR | NR | NR | 430 | 420 | 425 | 230 | 210 | 220 | NR | NR | NR | NR | NR | NR | 250 | 250 | 250 |
| 29 | NR | NR | NR | 430 | 420 | 425 | 240 | 200 | 220 | NR | NR | NR | NR | NR | NR | 250 | 250 | 250 |
| 30 | NR | NR | NR | 430 | 410 | 420 | 240 | 210 | 225 | NR | NR | NR | NR | NR | NR | 360 | 200 | 280 |
| 31 | | | | NR | NR | NR | | | | NR | NR | NR | NR | NR | NR | | | |

NR - No record.

TABLE D-7 (Cont.)

# DAILY MAXIMUM, MINIMUM, AND AVERAGE SPECIFIC CONDUCTANCE

F9 1100.00 RUSSIAN RIVER NEAR GUERNEVILLE
(October 1970 through September 1971)

(In Micromhos at 25° C)

| Day | October | | | November | | | December | | | January | | | February | | | March | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 304 | 298 | 301 | 334 | 324 | 329 | 212 | 197 | 206 | 310 | 245 | 270 | NR | NR | NR | 305 | 302 | 303 |
| 2 | 300 | 293 | 296 | 339 | 325 | 334 | 226 | 210 | 218 | 310 | 218 | 240 | NR | NR | NR | 311 | 310 | 310 |
| 3 | 297 | 291 | 294 | 340 | 326 | 335 | 239 | 226 | 234 | 251 | 230 | 244 | NR | NR | NR | 312 | 311 | 312 |
| 4 | 360 | 292 | 325 | 350 | 278 | 325 | 238 | 59 | 140 | 251 | 233 | 245 | NR | NR | NR | 312 | 311 | 312 |
| 5 | 310 | 290 | 298 | 278 | 251 | 264 | 137 | 62 | 105 | 242 | 227 | 237 | NR | NR | NR | 311 | 311 | 311 |
| 6 | 294 | 289 | 291 | 264 | 201 | 230 | 160 | 137 | 150 | 230 | 226 | 229 | NR | NR | NR | 311 | 311 | 311 |
| 7 | 296 | 291 | 294 | 260 | 200 | 230 | 172 | 160 | 166 | 230 | 226 | 229 | NR | NR | NR | 311 | 310 | 310 |
| 8 | 300 | 294 | 296 | 300 | 260 | 285 | 180 | 167 | 173 | 228 | 228 | 228 | NR | NR | NR | 312 | 311 | 311 |
| 9 | 358 | 300 | 326 | 317 | 300 | 310 | 188 | 159 | 171 | 228 | 226 | 227 | NR | NR | NR | 311 | 311 | 311 |
| 10 | 345 | 333 | 340 | 318 | 308 | 313 | 185 | 175 | 180 | 230 | 217 | 224 | NR | NR | NR | 311 | 311 | 311 |
| 11 | 398 | 301 | 340 | 308 | 299 | 304 | 191 | 185 | 188 | 225 | 214 | 220 | NR | NR | NR | 312 | 311 | 311 |
| 12 | 301 | 277 | 287 | 306 | 286 | 296 | 199 | 190 | 194 | NR | NR | NR | NR | NR | NR | 311 | 140 | 230 |
| 13 | 283 | 279 | 281 | 294 | 288 | 292 | 201 | 199 | 200 | NR | NR | NR | NR | NR | NR | 168 | 130 | 145 |
| 14 | 288 | 282 | 285 | 300 | 294 | 297 | 203 | 200 | 202 | 206 | 199 | 203 | NR | NR | NR | 188 | 168 | 180 |
| 15 | 311 | 288 | 300 | 300 | 298 | 299 | 233 | 174 | 213 | 201 | 195 | 197 | NR | NR | NR | 187 | 175 | 181 |
| 16 | 312 | 310 | 311 | 314 | 300 | 307 | 183 | 141 | 162 | 198 | 89 | 150 | NR | NR | NR | 197 | 187 | 192 |
| 17 | 318 | 310 | 312 | 322 | 314 | 317 | 165 | 141 | 153 | 170 | 142 | 160 | NR | NR | NR | 203 | 193 | 198 |
| 18 | 319 | 316 | 318 | 322 | 315 | 318 | 165 | 128 | 146 | 179 | 170 | 174 | NR | NR | NR | NR | NR | NR |
| 19 | 320 | 312 | 315 | 325 | 322 | 324 | 182 | 152 | 170 | 192 | 179 | 186 | 310 | 310 | 310 | NR | NR | NR |
| 20 | 320 | 318 | 319 | 328 | 325 | 326 | 190 | 138 | 165 | 207 | 192 | 199 | 311 | 310 | 310 | NR | NR | NR |
| 21 | 354 | 316 | 337 | 330 | 328 | 329 | 152 | 124 | 143 | 212 | 207 | 209 | 311 | 311 | 311 | NR | NR | NR |
| 22 | 342 | 301 | 318 | 330 | 330 | 330 | 170 | 152 | 165 | 214 | 212 | 213 | 312 | 295 | 310 | NR | NR | NR |
| 23 | 346 | 292 | 310 | 330 | 330 | 330 | 198 | 170 | 180 | 217 | 214 | 216 | 298 | 175 | 200 | NR | NR | NR |
| 24 | 341 | 300 | 325 | 330 | 328 | 330 | 212 | 198 | 205 | 217 | 213 | 215 | 211 | 175 | 186 | NR | NR | NR |
| 25 | 333 | 297 | 315 | 375 | 314 | 345 | 224 | 212 | 218 | 218 | 213 | 216 | 260 | 211 | 236 | NR | NR | NR |
| 26 | 333 | 330 | 331 | 320 | 250 | 282 | 230 | 224 | 227 | 220 | 218 | 220 | 286 | 260 | 273 | 187 | 100 | 130 |
| 27 | 337 | 331 | 334 | 256 | 170 | 242 | 240 | 230 | 235 | 221 | 218 | 220 | 299 | 285 | 292 | 160 | 110 | 135 |
| 28 | 338 | 333 | 336 | 175 | 102 | 130 | 242 | 174 | 230 | NR | NR | NR | 302 | 299 | 301 | 175 | 160 | 167 |
| 29 | 337 | 332 | 335 | 168 | 157 | 162 | 174 | 128 | 142 | NR | NR | NR | | | | 189 | 175 | 182 |
| 30 | 338 | 332 | 335 | 197 | 167 | 182 | 230 | 130 | 190 | NR | NR | NR | | | | 291 | 189 | 195 |
| 31 | 336 | 334 | 335 | | | | 245 | 225 | 235 | NR | NR | NR | | | | 215 | 210 | 208 |

| Day | April | | | May | | | June | | | July | | | August | | | September | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg | Max | Min | Avg |
| 1 | 221 | 215 | 218 | 239 | 239 | 239 | 278 | 272 | 275 | 302 | 293 | 299 | 261 | 258 | 260 | 257 | 249 | 252 |
| 2 | 229 | 221 | 225 | 240 | 239 | 239 | 279 | 276 | 277 | 308 | 291 | 301 | 268 | 260 | 264 | 259 | 252 | 256 |
| 3 | 232 | 229 | 230 | 240 | 238 | 239 | 279 | 275 | 277 | 308 | 298 | 303 | 267 | 259 | 263 | 255 | 253 | 254 |
| 4 | 232 | 230 | 232 | 252 | 238 | 245 | 278 | 271 | 275 | 310 | 295 | 304 | 260 | 253 | 258 | 256 | 250 | 254 |
| 5 | 238 | 232 | 235 | 275 | 252 | 264 | 272 | 268 | 270 | 307 | 297 | 302 | 259 | 249 | 255 | 258 | 253 | 256 |
| 6 | 240 | 238 | 239 | 290 | 275 | 283 | 270 | 268 | 270 | 309 | 297 | 303 | 255 | 250 | 253 | 260 | 253 | 257 |
| 7 | 240 | 239 | 240 | 296 | 290 | 293 | 270 | 269 | 270 | 303 | 291 | 298 | 255 | 250 | 252 | 257 | 251 | 254 |
| 8 | 242 | 240 | 240 | 299 | 293 | 297 | 270 | 268 | 269 | 301 | 282 | 293 | 252 | 246 | 249 | 255 | 249 | 252 |
| 9 | 242 | 239 | 242 | 298 | 288 | 293 | 270 | 269 | 270 | 293 | 277 | 285 | 256 | 250 | 254 | 253 | 248 | 251 |
| 10 | 240 | 231 | 237 | 288 | 262 | 275 | 270 | 270 | 270 | 298 | 285 | 289 | 255 | 248 | 252 | 260 | 251 | 257 |
| 11 | 233 | 227 | 230 | 264 | 260 | 262 | 271 | 267 | 270 | 298 | 281 | 290 | 252 | 248 | 250 | 262 | 248 | 255 |
| 12 | 241 | 233 | 237 | 267 | 261 | 264 | 267 | 261 | 262 | 293 | 282 | 289 | 251 | 248 | 250 | 250 | 243 | 247 |
| 13 | 243 | 241 | 242 | 270 | 265 | 267 | 274 | 267 | 273 | 292 | 274 | 283 | 250 | 249 | 250 | 250 | 246 | 249 |
| 14 | 246 | 228 | 238 | 270 | 264 | 268 | 273 | 271 | 272 | 283 | 270 | 279 | 250 | 248 | 249 | 257 | 243 | 249 |
| 15 | 250 | 239 | 245 | 271 | 269 | 270 | 272 | 270 | 270 | 280 | 270 | 276 | 251 | 247 | 250 | 255 | 246 | 249 |
| 16 | 257 | 250 | 254 | 270 | 250 | 260 | 272 | 270 | 271 | 280 | 261 | 273 | 256 | 250 | 253 | 260 | 252 | 256 |
| 17 | 257 | 250 | 254 | 261 | 250 | 256 | 274 | 268 | 271 | 270 | 258 | 264 | 251 | 243 | 248 | 262 | 257 | 260 |
| 18 | 250 | 245 | 246 | 261 | 259 | 260 | 270 | 270 | 270 | 262 | 254 | 259 | 250 | 242 | 247 | 262 | 254 | 258 |
| 19 | 248 | 246 | 247 | 262 | 260 | 261 | 271 | 268 | 269 | 266 | 258 | 262 | 250 | 246 | 248 | 264 | 258 | 261 |
| 20 | 248 | 247 | 247 | 263 | 261 | 262 | 271 | 267 | 269 | 266 | 254 | 260 | 259 | 250 | 256 | 266 | 254 | 262 |
| 21 | 250 | 248 | 249 | 271 | 261 | 266 | 270 | 268 | 270 | 260 | 250 | 256 | 259 | 252 | 256 | 260 | 250 | 255 |
| 22 | 252 | 250 | 250 | 272 | 270 | 271 | 270 | 261 | 266 | 260 | 250 | 255 | 260 | 253 | 257 | 267 | 260 | 264 |
| 23 | 251 | 250 | 250 | 274 | 270 | 272 | 269 | 262 | 265 | 260 | 250 | 255 | 261 | 257 | 259 | 263 | 260 | 261 |
| 24 | 250 | 250 | 250 | 277 | 271 | 274 | 278 | 269 | 273 | 260 | 252 | 256 | 258 | 250 | 253 | 266 | 260 | 263 |
| 25 | 250 | 250 | 250 | 277 | 271 | 274 | 283 | 275 | 279 | 255 | 251 | 253 | 251 | 248 | 249 | 270 | 265 | 267 |
| 26 | 250 | 250 | 250 | 283 | 271 | 278 | 287 | 279 | 283 | 262 | 255 | 260 | 250 | 243 | 247 | 272 | 263 | 268 |
| 27 | 250 | 250 | 250 | 308 | 274 | 298 | 291 | 283 | 287 | 261 | 255 | 259 | 248 | 243 | 246 | 283 | 270 | 276 |
| 28 | 250 | 247 | 249 | 279 | 271 | 275 | 307 | 285 | 292 | 260 | 253 | 257 | 252 | 247 | 250 | 283 | 272 | 276 |
| 29 | 247 | 240 | 243 | 274 | 270 | 272 | 329 | 293 | 308 | 261 | 253 | 258 | 252 | 250 | 251 | 272 | 268 | 270 |
| 30 | 240 | 239 | 240 | 271 | 270 | 270 | 308 | 290 | 299 | 261 | 251 | 257 | 253 | 250 | 252 | 337 | 268 | 290 |
| 31 | | | | 273 | 270 | 271 | | | | 260 | 254 | 256 | 251 | 248 | 250 | | | |

TABLE D-8

# PHYTOPLANKTON ANALYSIS OF SURFACE WATER

| Station Number | Station | Date Time | Phytoplankton (number per milliliter) Total | Blu-Gr | Green | Flag | Diatoms C/P | Most Abundant Phytoplankton (genus %) 1 | 2 | 3 | 4 | 5 | 6 | Samp | Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EO B 735.0 215.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (SHIP CHANNEL) | 02-17-71 1330 | 348 | | | 220 | 64/64 | F 99 63.2 | D 03 18.4 | D 66 18.4 | | | | 5050 | 5050 |
| | | 03-16-71 1020 | 582 | | | 420 | 130/32 | F 99 72.2 | D 03 22.3 | D 66 5.5 | | | | 5050 | 5050 |
| | | 04-13-71 0920 | 2432 | | | 926 | 1284/222 | F 99 34.1 | D 02 26.3 | D 03 17.3 | D 66 7.8 | D 08 6.6 | F 54 4.0 | 5050 | 5050 |
| | | 06-23-71 0810 | 1596 | | | 1500 | 96/0 | F 99 94.0 | D 03 6.0 | | | | | 5050 | 5050 |
| | | 07-08-71 0820 | 2944 | | | 2400 | 544/0 | F 99 81.5 | D 09 16.3 | D 08 2.2 | | | | 5050 | 5050 |
| | | 08-10-71 1030 | 644 | | | 580 | 32/32 | F 99 90.0 | D 03 5.0 | D 66 5.0 | | | | 5050 | 5050 |
| | | 09-21-71 0915 | 452 | | | 420 | 32/0 | F 99 92.9 | D 02 7.1 | | | | | 5050 | 5050 |
| EO B 736.2 211.6 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE | 10-21-70 1000 | 900 | | | 740 | 160/0 | F 99 82.2 | D 03 17.8 | | | | | 5050 | 5050 |
| | | 11-17-70 0950 | 352 | | | 320 | 32/0 | F 99 90.9 | D 03 9.1 | | | | | 5050 | 5050 |
| | | 12-16-70 0815 | 574 | | | 510 | 64/0 | F 99 88.9 | D 03 11.1 | | | | | 5050 | 5050 |
| | | 01-28-71 0750 | 352 | | | 190 | 130/32 | F 99 54.0 | D 03 36.9 | D 66 9.1 | | | | 5050 | 5050 |
| | | 05-11-71 0810 | 1152 | | | 610 | 320/222 | F 99 52.9 | D 03 27.8 | D 66 16.4 | D 65 2.8 | | | 5050 | 5050 |
| EO B 736.2 212.0 | SAN FRANCISCO BAY AT SAN MATEO BRIDGE (PIER 662) | 06-23-71 0845 | 3492 | | | 3300 | 32/160 | F 99 94.5 | D 66 2.8 | D 65 1.8 | D 03 0.9 | | | 5050 | 5050 |
| | | 07-08-71 0915 | 1792 | | | 1600 | 32/160 | F 99 89.3 | D 66 8.9 | D 09 1.8 | | | | 5050 | 5050 |
| | | 08-10-71 1115 | 1244 | | | 1180 | 0/64 | F 99 94.9 | D 65 5.1 | | | | | 5050 | 5050 |
| | | 09-21-71 1050 | 17700 | | | 1700 | 16000/0 | D 03 90.4 | F 99 9.6 | | | | | 5050 | 5050 |
| EO B 748.1 222.4 | SAN FRANCISCO BAY WEST OF YERBA BUENA ISLAND | 10-21-70 1030 | 866 | | | 834 | 0/32 | F 99 88.9 | F 03 3.7 | F 54 3.7 | D 66 3.7 | | | 5050 | 5050 |
| | | 11-17-70 1100 | 480 | | | 480 | | F 99 100.0 | | | | | | 5050 | 5050 |
| | | 12-16-70 1030 | 190 | | | 190 | | F 99 100.0 | | | | | | 5050 | 5050 |
| | | 01-28-71 0730 | 608 | | | 480 | 128/0 | F 99 78.9 | D 15 10.5 | D 05 5.3 | D 08 5.3 | | | 5050 | 5050 |
| | | 02-17-71 1350 | | | 32 | 444 | 260/0 | F 99 51.6 | D 03 35.3 | F 56 8.7 | G 22 4.4 | D 09 Trace | | 5050 | 5050 |
| | | 03-16-71 1005 | 478 | | | 220 | 194/64 | F 99 46.0 | D 03 27.2 | D 66 13.4 | D 02 6.7 | D 06 6.7 | | 5050 | 5050 |
| | | 04-13-71 0910 | 1090 | | | 580 | 446/64 | F 99 53.2 | D 03 17.4 | D 09 14.7 | D 08 5.9 | D 66 5.9 | D 02 2.9 | 5050 | 5050 |
| | | 05-11-71 0810 | 898 | | | 580 | 222/96 | F 99 64.6 | D 03 21.2 | D 66 10.7 | D 02 3.6 | | | 5050 | 5050 |
| EO B 749.2 222.4 | SAN FRANCISCO BAY AT TREASURE ISLAND | 06-23-71 0700 | 932 | | | 772 | 160/0 | F 99 79.6 | D 03 10.3 | F 54 3.4 | D 02 3.4 | D 09 3.4 | | 5050 | 5050 |
| | | 07-08-71 0640 | 1392 | | | 1296 | 96/0 | F 99 86.2 | F 54 6.9 | D 09 4.6 | D 03 2.3 | D 08 Trace | | 5050 | 5050 |
| | | 08-10-71 0900 | 964 | | | 610 | 160/194 | F 99 63.3 | D 70 13.5 | D 03 10.0 | D 09 6.6 | D 66 6.6 | | 5050 | 5050 |
| | | 09-21-71 0715 | 894 | | | 320 | 384/190 | D 03 35.8 | F 99 35.8 | D 66 21.2 | D 08 7.2 | | | 5050 | 5050 |

TABLE D-8 (Cont.)

# PHYTOPLANKTON ANALYSIS OF SURFACE WATER

| Station Number | Station | Date Time | Phytoplankton (number per milliliter) Total | Bl-Gr | Green | Flag | Diatoms C/P | Most Abundant Phytoplankton (genus %) 1 | 2 | 3 | 4 | 5 | 6 | Samp | Lab |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EO B 757.7 226.2 | SAN PABLO STRAIT WEST OF THE BROTHERS | 10-21-70 1120 | 1022 | | | 1022 | | F 99 96.9 | F 03 3.1 | | | | | 5050 | 5050 |
| | | 11-17-70 1145 | 738 | | 32 | 610 | 96 / 0 | F 99 82.7 | D 03 13.0 | G 02 4.3 | | | | 5050 | 5050 |
| | | 12-16-70 1220 | 418 | | 64 | 290 | 64 / 0 | F 99 69.4 | D 03 15.3 | G 02 15.3 | | | | 5050 | 5050 |
| | | 01-28-71 1000 | 288 | | | 160 | 32 / 96 | F 99 55.6 | D 66 22.2 | D 08 11.1 | D 65 11.1 | | | 5050 | 5050 |
| | | 02-17-71 1430 | 674 | | 32 | 546 | 96 / 0 | F 99 66.7 | F 56 14.2 | D 03 9.5 | D 08 4.8 | G 02 4.8 | | 5050 | 5050 |
| | | 03-16-71 1050 | 638 | | | 350 | 192 / 96 | F 99 54.9 | D 03 25.1 | D 66 15.0 | D 02 5.0 | | | 5050 | 5050 |
| | | 04-13-71 1010 | 2838 | | | 1100 | 1610 / 128 | F 99 38.8 | D 03 31.7 | D 08 15.9 | D 09 9.2 | D 66 2.2 | D 70 2.2 | 5050 | 5050 |
| | | 05-11-71 1000 | 1024 | | | 800 | 224 / 0 | F 99 78.2 | D 03 15.6 | D 08 6.3 | | | | 5050 | 5050 |

**Codes and Abbreviations**

Total - Total phytoplankton count per milliliter

Bl-Gr - Blue-Green Algae

Green - Green Algae

Flag - Flagellates

C/P - Centric over Pennate (undifferentiated if no dividing line is shown)

**Lab and Sampler Agency Codes**

5050 - Department of Water Resources

**Most Abundant Phytoplankton Codes**

Green Algae

G 02 Ankistrodemus
G 22 Selenastrum

Flagellates

Green

F 03 Euglena

Other Pigmented

F 54 Dinoflagellates (Dinophyceae)
F 56 Cryptomonas
F 99 Unidentified

Diatoms

Centric

D 02 Coscinodiscus
D 03 Cyclotella
D 05 Melosira (fresh water)
D 06 Stephanodiscus
D 08 Skeletonema
D 09 Chaetoceros
D 15 Thalassiosira

Pennate

D 65 Navicula
D 66 Nitzschia
D 70 Synedra

TABLE D-9

# SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

| Station Number | Station | OCTOBER 1970 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | | 9,730 d | | | 8,190 | 6,730 | 8,420 | |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 6,210 a | 7,080 | 6,960 df | 7,430 | 6,710 | 4,220 | 6,190 | 6,310 a |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | | 4,190 a | 4,140 e | 3,540 | 1,880 abd | 2,540 a | 2,270 abd | |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | | | 3,670 e | 3,070 | 2,950 | 1,900 a | 2,180 | 5,280 |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | 200 bd | 140 abd | 190 a | | 229 bd | | 62 cd | 62 |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

| Station Number | Station | NOVEMBER 1970 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | 9,160 | 8,520 d | | 8,790 | 7,180 | 6,930 | 9,950 | |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 7,430 | 6,190 a | 5,250 | 6,560 | 4,010 | 3,520 ae | 8,170 | 5,590 |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | | 3,030 | 2,670 | 2,960 | 1,290 bd | 4,110 | 3,860 | |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | 4,650 | 2,890 | 3,360 | 2,820 | 1,500 | 2,910 | 3,850 | 2,020 |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | 176 | 166 abd | 113 d | 78 | | 38 | 68 | 58 |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

| Station Number | Station | DECEMBER 1970 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | | | | | | | | 3,350 |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 1,320 a | 570 | | | 433 | 155 ae | 1,070 a | 1,780 |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | 256 | 32 a | 28 | 27 | 29 | | 137 | |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | | 16 | 30 | 18 | 17 | 20 | | |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | | 22 | 19 | 18 | 20 a | | 26 | |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-9 (Cont.)

# SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

(Chlorides in Milligrams per Liter)

| Station Number | Station | JANUARY 1971 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | | 4,630 | 6,120 d | 3,050 | 4,050 | 3,000 | 2,150 | 3,320 |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 976 | 4,440 | 4,330 | 1,760 | 3,030 | 178 a | 1,070 | 49 |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | | 644 | 73 abd | 49 d | 41 a | 68 a | | 25 a |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | | | | | | | | |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | 36 | | | | | | | 26 a |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

| Station Number | Station | FEBRUARY 1971 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | 4,180 | 5,170 | | 5,330 d | 4,240 | 7,710 | 5,920 | |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 425 ad | 2,750 | 1,440 | 3,740 | 2,190 cd | 3,500 a | 2,190 a | |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | 123 | 32 d | 27 abd | 5,554 | 1,280 | | 372 bd | |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | | | | | | 2,390 | 223 | |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | | 24 | | 25 | 27 | | 22 | |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

| Station Number | Station | MARCH 1971 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | 6,560 | | 9,150 | 7,440 d | 5,960 | 7,340 | 9,230 | |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 1,820 a | 2,130 | 5,880 | 5,160 | | 6,070 a | 2,940 | 2,810 |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | 169 a | 1,260 abd | 2,560 | 2,080 | 61 a | 2,260 | | 78 |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | 982 | 1,790 | | 1,460 | 274 | 1,870 | 1,050 | 51 |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | | | | | | | | |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-9 (Cont.)

# SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS *

(Chlorides in Milligrams per Liter)

| Station Number | Station | APRIL 1971 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | 2,790 | | 6,040 | 5,530 de | 2,880 | 6,220 | 8,980 | 3,500 |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 635 ae | 2,430 a | 1,080 a | 3,280 | 30 | 3,910 | 4,490 | 3,080 |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | 16 | 111 a | 336 | 68 a | 70 | 221 a | | 595 a |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | 11 | 15 | 15 | 396 | 14 | 43 | 1,660 d | 371 |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | | | 10 a | | | 10 a | | |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

| Station Number | Station | MAY 1971 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | | 7,260 | 7,150 | 5,870 | 6,230 e | 8,760 | 8,570 | 6,630 |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 3,470 e | 4,670 a | 5,490 | 1,040 a | 2,190 a | 4,590 | 3,320 | 4,800 |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | 377 e | 2,730 | 280 d | 897 | 638 e | 2,850 | 2,600 | 1,150 bd |
| EO B 803.0 159.0 | SUISUN BAY AT NICHOLS | 251 e | 2,670 | 1,680 | 518 | 20 e | 325 | 1,960 | 172 |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | | 16 a | | | | | | |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

| Station Number | Station | JUNE 1971 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 6 | 10 | 14 | 18 | 22 | 26 | 30 |
| EO B 803.5 213.3 | CARQUINEZ STRAIT AT CROCKETT | 5,920 e | 6,520 | 7,880 | 5,410 | | 8,640 | | 7,510 |
| EO B 801.9 207.8 | CARQUINEZ STRAIT AT MARTINEZ | 2,410 a | 2,390 a | 5,380 | 1,540 | 6,460 df | | 6,070 | 2,540 a |
| EO B 803.4 202.3 | SUISUN BAY AT PORT CHICAGO | 4,350 | 1,910 | 376 a | | | | | |
| EO B 803.0 159.0 | SUISUN BAY AT MIDDLE POINT | 1,570 de | 1,940 | 1,490 | 224 | 1,450 | 1,440 | 1,550 | |
| B9 D 802.3 153.0 | SACRAMENTO RIVER AT PITTSBURG | | | | | | | | |
| B9 D 804.4 151.0 | SACRAMENTO RIVER AT COLLINSVILLE | | | | | | | | |

*Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off schedule time.
e Taken on preceding day.
f Taken two days earlier.

# Appendix E: GROUND WATER QUALITY

# INTRODUCTION

This appendix presents ground water quality data collected during the period from October 1, 1970, through September 30, 1971. The data were collected from a number of major ground water sources in the Central Coastal Area in cooperation with other state, local, and federal agencies. During the 1971 water year, 189 wells were sampled in 23 ground water basins and subbasins or subareas.

At the time of field sampling, pH and temperature measurements are normally made. Comments on current conditions are noted in field books which are available in the files of the Department of Water Resources.

Laboratory analyses of ground waters were performed in accordance with "Standard Methods for the Examination of Water and Wastewater", 13th Edition.

The Region and Basin and State Well Numbering Systems are described in Appendix C, "Ground Water Measurements", on page 15. The locations of the ground water basins and subbasins are shown on Figure C-1, pages 17, 18, and 19.

INDEX TO GROUND WATER QUALITY DATA
IN THE CENTRAL COASTAL AREA


| Number | Name | Page |
|---|---|---|
| | NORTH COASTAL REGION 1-00.00 | |
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| 1-18.01 | Santa Rosa Area | 102 |
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| 1-21.00 | Fort Bragg Terrace | 103 |
| | SAN FRANCISCO BAY REGION 2-00.00 | |
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| 3-04.00 | Salinas Valley | |
| 3-04.01 | Pressure Area | 110 |
| 3-04.08 | Seaside Area | 110 |
| 3-80.00 | Miscellaneous Area | 111 |

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

## Lab and Sampler Agency Codes

| | | |
|---|---|---|
| 2400 | - | Santa Clara Valley Water Conservation District |
| 5000 | - | U. S. Geological Survey |
| 5050 | - | Department of Water Resources |
| 5100 | - | Alameda County Flood Control and Water Conservation District |
| 5114 | - | Santa Clara County |
| 5216 | - | City of Gilroy |
| 5401 | - | Alameda County Water District |
| 5818 | - | Cook Research Laboratory |

## Abbreviations

| | | |
|---|---|---|
| Time | - | Pacific Standard Time on a 24-hour clock |
| Temp. | - | Water temperature in degrees Fahrenheit at the time of field sampling |
| pH | - | Measure of acidity or alkalinity of water |
| EC | - | Electrical conductance in micromhos at 25° C |
| TDS | - | Gravimetric determination of total dissolved solids at 180° C |
| SUM | - | Total dissolved solids by summation of analyzed constituents |
| TH | - | Total hardness |
| NCH | - | Noncarbonate hardness - any excess of total hardness over total alkalinity |

## Mineral Constituents

| | | | | | |
|---|---|---|---|---|---|
| B | - | Boron | K | - | Potassium |
| Ca | - | Calcium | Mg | - | Magnesium |
| Cl | - | Chloride | Na | - | Sodium |
| $CO_3$ | - | Carbonate | $NO_3$ | - | Nitrate |
| F | - | Fluoride | $SiO_2$ | - | Silica |
| $HCO_3$ | - | Bicarbonate | $SO_4$ | - | Sulfate |

# MINERAL ANALYSES OF GROUND WATER

| State Well Number / Date / Time | Lab / Sampler | Temp. | pH Lab | pH Field | EC Lab | EC Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter: F | B | $SiO_2$ | TDS SUM | TH NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NORTH COASTAL REGION 1-00.00 | | | | | | | | | | | | | | | | | | | | |
| UKIAH VALLEY 1-15.00 | | | | | | | | | | | | | | | | | | | | |
| 14N/12W-11N01 M | | 62 | 8.4 | | 345 | | 27 | 25 | 11 | | 3 | 162 | | 9.3 | | | | | | 169 |
| 7-27-71 | 5050 | | 7.1 | | 345 | | 1.35 | 2.03 | 0.48 | | 0.10 | 2.66 | | 0.26 | | | | | | 31 |
| 1000 | 5050 | | | | | | 35 | 53 | 12 | | | | | | | | | | | |
| 15N/12W-35D01 M | | 67 | 7.6 | | 373 | | 38 | 11 | 29 | | 0 | 218 | | 16 | | | | | | 140 |
| 7-27-71 | 5050 | | 7.1 | | 395 | | 1.90 | 0.90 | 1.26 | | | 3.58 | | 0.45 | | | | | | 0 |
| 1130 | 5050 | | | | | | 47 | 22 | 31 | | | | | | | | | | | |
| 17N/12W-28M01 M | | 62 | 7.3 | | 172 | | 13 | 8.4 | 10 | | 0 | 70 | | 6.0 | | | | | | 67 |
| 7-27-71 | 5050 | | 6.1 | | 172 | | 0.65 | 0.69 | 0.44 | | | 1.15 | | 0.17 | | | | | | 10 |
| 1240 | 5050 | | | | | | 36 | 39 | 25 | | | | | | | | | | | |
| SANEL VALLEY 1-16.00 | | | | | | | | | | | | | | | | | | | | |
| 13N/11W-07D01 M | | 59 | 7.8 | | 300 | | 21 | 23 | 11 | | 0 | 1.73 | | 6.0 | | | | | | 145 |
| 7-27-71 | 5050 | | 7.0 | | 290 | | 1.05 | 1.85 | 0.48 | | | 2.84 | | 0.17 | | | | | | 3 |
| 1415 | 5050 | | | | | | 31 | 55 | 14 | | | | | | | | | | | |
| 13N/11W-18D02 M | | 66 | 8.2 | | 618 | | 30 | 58 | 16 | | 0 | 322 | | 19 | | | | | | 313 |
| 7-27-71 | 5050 | | 7.3 | | 600 | | 1.50 | 4.75 | 0.70 | | | 5.28 | | 0.54 | | | | | | 49 |
| 1455 | 5050 | | | | | | 22 | 68 | 10 | | | | | | | | | | | |
| 13N/11W-19N01 M | | 64 | 7.9 | | 304 | | 25 | 21 | 6.8 | | 0 | 160 | | 6.2 | | | | | | 150 |
| 7-27-71 | 5050 | | 7.3 | | 295 | | 1.25 | 1.75 | 0.30 | | | 2.62 | | 0.17 | | | | | | 19 |
| 1545 | 5050 | | | | | | 38 | 53 | 9 | | | | | | | | | | | |
| ALEXANDER VALLEY 1-17.00 | | | | | | | | | | | | | | | | | | | | |
| 11N/10W-33G01 M | | -- | 7.4 | | 193 | | 11 | 7.4 | 14 | | 0 | 62 | | 19 | | | | | | 58 |
| 7-27-71 | 5050 | | 6.3 | | 185 | | 0.55 | 0.61 | 0.61 | | | 1.02 | | 0.54 | | | | | | 7 |
| 1645 | 5050 | | | | | | 31 | 34 | 35 | | | | | | | | | | | |
| SANTA ROSA VALLEY 1-18.00 | | | | | | | | | | | | | | | | | | | | |
| SANTA ROSA AREA 1-18.01 | | | | | | | | | | | | | | | | | | | | |
| 05N/09W-03P01 M | | 75 | 8.4 | | 494 | | 12 | 3.4 | 94 | | 4 | 228 | | 30 | | | | | | 44 |
| 7-28-71 | 5050 | | 9.2 | | 500 | | 0.60 | 0.28 | 4.09 | | 0.13 | 3.74 | | 0.85 | | | | | | 0 |
| 1345 | 5050 | | | | | | 12 | 6 | 82 | | | | | | | | | | | |
| 07N/06W-29P01 M | | 64 | 8.1 | | 233 | | 15 | 10 | 20 | | 0 | 139 | | 10 | | | | | | 80 |
| 7-28-71 | 5050 | | 7.4 | | 238 | | 0.75 | 0.85 | 0.87 | | | 2.28 | | 0.28 | | | | | | 0 |
| 1030 | 5050 | | | | | | 30 | 35 | 35 | | | | | | | | | | | |
| 07N/08W-03L01 M | | 66 | 8.2 | | 505 | | 27 | 20 | 54 | | 0 | 273 | | 24 | | | | | | 149 |
| 7-28-71 | 5050 | | 7.2 | | 500 | | 1.35 | 1.63 | 2.35 | | | 4.47 | | 0.68 | | | | | | 0 |
| 0800 | 5050 | | | | | | 25 | 31 | 44 | | | | | | | | | | | |
| 07N/09W-36M01 M | | 68 | 8.2 | | 336 | | 28 | 8.5 | 32 | | 0 | 174 | | 17 | | | | | | 105 |
| 7-28-71 | 5050 | | 7.4 | | 340 | | 1.40 | 0.70 | 1.39 | | | 2.85 | | 0.48 | | | | | | 0 |
| 1145 | 5050 | | | | | | 40 | 20 | 40 | | | | | | | | | | | |
| 08N/08W-20Q01 M | | -- | 8.2 | | 509 | | 5.8 | 10 | 89 | | 0 | 248 | | 34 | | | | | | 56 |
| 7-28-71 | 5050 | | 7.3 | | 500 | | 0.29 | 0.83 | 3.87 | | | 4.06 | | 0.96 | | | | | | 0 |
| 0900 | 5050 | | | | | | 6 | 17 | 77 | | | | | | | | | | | |
| ANDERSON VALLEY 1-19.00 | | | | | | | | | | | | | | | | | | | | |
| 13N/14W-02L01 M | | 63 | --- | | --- | | | | | | | | | | | | | | | |
| 5-10-71 | - | | 6.1 | | 175 | | | | | | | | | | | | | | | |
| 1300 | 5050 | | | | | | | | | | | | | | | | | | | |
| 13N/14W-11A01 M | | 65 | --- | | --- | | | | | | | | | | | | | | | |
| 5-10-71 | - | | 7.1 | | 259 | | | | | | | | | | | | | | | |
| 1220 | 5050 | | | | | | | | | | | | | | | | | | | |
| 14N/14W-18R02 M | | 65 | --- | | --- | | | | | | | | | | | | | | | |
| 5-10-71 | - | | 5.9 | | 100 | | | | | | | | | | | | | | | |
| 1345 | 5050 | | | | | | | | | | | | | | | | | | | |
| 14N/14W-19B01 M | | 65 | 7.7 | | 388 | | 24 | 17 | 22 | 0.9 | 0 | 70 | 9.1 | 75 | 0.3 | | 0.2 | | 262 | 131 |
| 5-10-71 | 5050 | | 6.3 | | 420 | | 1.20 | 1.42 | 0.96 | 0.02 | | 1.15 | 0.19 | 2.11 | 0.00 | | | | | 74 |
| 1400 | 5050 | | | | | | 33 | 39 | 27 | 1 | | 33 | 6 | 61 | | | | | | |
| 14N/14W-34G06 M | | 64 | --- | | --- | | | | | | | | | | | | | | | |
| 5-10-71 | - | | 7.4 | | 590 | | | | | | | | | | | | | | | |
| 1325 | 5050 | | | | | | | | | | | | | | | | | | | |
| POINT ARENA 1-20.00 | | | | | | | | | | | | | | | | | | | | |
| 12N/16W-18K01 M | | 54 | 6.8 | | 421 | | | | | | 0 | 9 | | 60 | 115 | | | | | 97 |
| 5-11-71 | 5050 | | 5.5 | | 420 | | | | | | | 0.15 | | 1.69 | 1.85 | | | | | 90 |
| 0730 | 5050 | | | | | | | | | | | | | | | | | | | |

# MINERAL ANALYSES OF GROUND WATER

| State Well Number<br>Date Lab<br>Time Sampler | Temp. | pH<br>Lab<br>Field | EC<br>Lab<br>Field | Mineral Constituents in Milligrams per Liter<br>Milliequivalents per Liter<br>Percent Reactance Value<br>Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter<br>F | B | $SiO_2$ | TDS<br>SUM | TH<br>NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POINT ARENA 1-20.00 (Continued) | | | | | | | | | | | | | | | | | |
| 12N/17W-12L01 M | 57 | --- | --- | | | | | | | | | | | | | | |
| 5-11-71 - | | 5.9 | 122 | | | | | | | | | | | | | | |
| 0710 5050 | | | | | | | | | | | | | | | | | |
| 13N/16W-31M01 M | 57 | --- | --- | | | | | | | | | | | | | | |
| 5-11-71 - | | 5.9 | 405 | | | | | | | | | | | | | | |
| 0810 5050 | | | | | | | | | | | | | | | | | |
| 13N/17W-24D01 M | 59 | 7.5 | 300 | 814 | 4.1 | 40 | 1.3 | 0 | 19 | 9.4 | 57 | 18 | | 0.0 | | 184 | 38 |
| 5-10-71 5050 | | 6.3 | 310 | 0.42 | 0.34 | 1.74 | 0.03 | | 0.31 | 0.20 | 1.61 | 0.29 | | | | | 22 |
| 1530 5050 | | | | 17 | 13 | 69 | 1 | | 13 | 8 | 67 | 12 | | | | | |
| 13N/17W-25H01 M | 62 | --- | --- | | | | | | | | | | | | | | |
| 5-10-71 - | | 5.9 | 410 | | | | | | | | | | | | | | |
| 1600 5050 | | | | | | | | | | | | | | | | | |
| FORT BRAGG TERRACE 1-21.00 | | | | | | | | | | | | | | | | | |
| 17N/17W-30F01 M | 57 | --- | --- | | | | | | | | | | | | | | |
| 5-11-71 - | | 5.7 | 800 | | | | | | | | | | | | | | |
| 1020 5050 | | | | | | | | | | | | | | | | | |
| 17N/17W-30M01 M | 54 | 7.7 | 314 | 11 | 10 | 32 | 4.8 | 0 | 43 | 25 | 44 | 20 | | 0.1 | | 188 | 69 |
| 5-11-71 5050 | | 6.3 | 315 | 0.55 | 0.83 | 1.39 | 0.12 | | 0.70 | 0.52 | 1.24 | 0.32 | | | | | 34 |
| 0915 5050 | | | | 19 | 29 | 48 | 4 | | 25 | 19 | 45 | 11 | | | | | |
| 19N/17W-20N01 M | 58 | --- | --- | | | | | | | | | | | | | | |
| 5-11-71 - | | 5.9 | 175 | | | | | | | | | | | | | | |
| 1200 5050 | | | | | | | | | | | | | | | | | |
| 19N/17W-30G01 M | 57 | --- | --- | | | | | | | | | | | | | | |
| 5-11-71 - | | 5.9 | 280 | | | | | | | | | | | | | | |
| 1145 5050 | | | | | | | | | | | | | | | | | |
| 19N/17W-30Q01 M | 56 | --- | --- | | | | | | | | | | | | | | |
| 5-11-71 - | | 6.5 | 358 | | | | | | | | | | | | | | |
| 1130 5050 | | | | | | | | | | | | | | | | | |
| SAN FRANCISCO BAY REGION 2-00.00 | | | | | | | | | | | | | | | | | |
| PETALUMA VALLEY 2-01.00 | | | | | | | | | | | | | | | | | |
| 03N/06W-01Q01 M | 70 | 8.3 | 1300 | 33 | 31 | 218 | 4.9 | 0 | 586 | 0.2 | 148 | 10 | | 0.2 | | 749 | 209 |
| 7-29-71 5050 | | 7.7 | 1400 | 1.65 | 2.53 | 9.48 | 0.12 | | 9.60 | 0.00 | 4.18 | 0.16 | | | | | 0 |
| 0930 5050 | | | | 12 | 18 | 69 | 1 | | 69 | | 30 | 1 | | | | | |
| 03N/06W-18M01 M | 61 | 7.9 | 555 | 30 | 37 | 27 | | 0 | 197 | | 45 | | | | | | 229 |
| 7-29-71 5050 | | 6.7 | 560 | 1.50 | 3.08 | 1.17 | | | 3.23 | | 1.27 | | | | | | 68 |
| 0830 5050 | | | | 26 | 54 | 20 | | | | | | | | | | | |
| 04N/06W-18E01 M | 62 | 8.3 | 991 | 63 | 59 | 81 | | 0 | 532 | | 55 | | | | | | 399 |
| 7-28-71 5050 | | 7.5 | 1010 | 3.14 | 4.83 | 3.52 | | | 8.72 | | 1.55 | | | | | | 0 |
| 1730 5050 | | | | 27 | 42 | 31 | | | | | | | | | | | |
| 04N/06W-21Q01 M | 72 | 8.3 | 1130 | 19 | 15 | 2.04 | | 0 | 374 | | 175 | | | | | | 108 |
| 7-29-71 5050 | | 7.9 | 1190 | 0.95 | 1.21 | 8.87 | | | 6.13 | | 4.94 | | | | | | 0 |
| 1030 5050 | | | | 9 | 11 | 80 | | | | | | | | | | | |
| 05N/07W-26E01 M | 66 | 8.3 | 759 | 48 | 22 | 83 | | 0 | 342 | | 70 | | | | | | 211 |
| 7-28-71 5050 | | 7.7 | 760 | 2.40 | 1.82 | 3.61 | | | 5.60 | | 1.97 | | | | | | 0 |
| 1600 5050 | | | | 31 | 23 | 46 | | | | | | | | | | | |
| 05N/07W-34E02 M | 65 | 8.8 | 861 | 6.9 | 3.9 | 174 | | 19 | 372 | | 72 | | | | | | 33 |
| 7-28-71 5050 | | 8.9 | 875 | 0.34 | 0.32 | 7.57 | | 0.63 | 6.10 | | 2.03 | | | | | | 0 |
| 1500 5050 | | | | 4 | 4 | 92 | | | | | | | | | | | |
| NAPA-SONOMA VALLEY 2-02.00 | | | | | | | | | | | | | | | | | |
| NAPA VALLEY 2-02.01 | | | | | | | | | | | | | | | | | |
| 03N/03W-18G01 M | 66 | 7.8 | 1130 | 71 | 51 | 89 | | 0 | 374 | | 157 | | | | | | 388 |
| 8-05-71 5050 | | 7.3 | 1010 | 3.54 | 4.21 | 3.87 | | | 6.13 | | 4.43 | | | | | | 81 |
| 0900 5050 | | | | 31 | 36 | 33 | | | | | | | | | | | |
| 04N/04W-05C01 M | 70 | 7.8 | 300 | 7.8 | 6.9 | 44 | | 0 | 88 | | 29 | | | | | | 48 |
| 8-05-71 5050 | | 7.1 | 298 | 0.39 | 0.57 | 1.91 | | | 1.44 | | 0.82 | | | | | | 0 |
| 1140 5050 | | | | 14 | 20 | 66 | | | | | | | | | | | |
| 04N/04W-14C02 M | 68 | 7.7 | 1610 | 101 | 51 | 150 | | 0 | 319 | | 352 | | | | | | 463 |
| 8-05-71 5050 | | 7.3 | 1700 | 5.04 | 4.21 | 6.52 | | | 5.23 | | 9.93 | | | | | | 201 |
| 1700 5050 | | | | 32 | 27 | 41 | | | | | | | | | | | |
| 05N/04W-09Q02 M | 65 | 8.0 | 497 | 24 | 15 | 61 | | 0 | 220 | | 45 | | | | | | 122 |
| 8-05-71 5050 | | 7.3 | 475 | 1.20 | 1.24 | 2.65 | | | 3.60 | | 1.27 | | | | | | 0 |
| 1250 5050 | | | | 24 | 24 | 52 | | | | | | | | | | | |

TABLE E-1 (Cont.)

# MINERAL ANALYSES OF GROUND WATER

| State Well Number / Date / Time | Lab / Sampler | Temp. | pH Lab / Field | EC Lab / Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter: F | B | $SiO_2$ | TDS SUM | TH NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NAPA VALLEY 2-02.01 (Continued) | | | | | | | | | | | | | | | | | | |
| 05N/04W-15E01 M | | 64 | 7.8 | 402 | 19 | 14 | 48 | | 0 | 203 | | 30 | | | | | | 105 |
| 8-05-71 | 5050 | | 7.4 | 395 | 0.95 | 1.15 | 2.09 | | | 3.33 | | 0.85 | | | | | | 0 |
| 1045 | 5050 | | | | 23 | 27 | 50 | | | | | | | | | | | |
| 06N/04W-15Q01 M | | 76 | 7.9 | 243 | 9.6 | 6.8 | 32 | | 0 | 125 | | 7.6 | | | | | | 52 |
| 8-05-71 | 5050 | | 7.1 | 220 | 0.48 | 0.56 | 1.39 | | | 2.05 | | 0.21 | | | | | | 0 |
| 1340 | 5050 | | | | 20 | 23 | 57 | | | | | | | | | | | |
| 07N/05W-06F01 M | | 65 | 8.2 | 290 | 20 | 12 | 22 | 0.8 | 0 | 163 | 5.1 | 7.0 | 11 | | 0.2 | | 177 | 101 |
| 8-05-71 | 5050 | | 7.2 | 285 | 1.00 | 1.02 | 0.96 | 0.02 | | 2.67 | 0.11 | 0.20 | 0.18 | | | | | 0 |
| 1630 | 5050 | | | | 33 | 34 | 32 | 1 | | 85 | 3 | 6 | 6 | | | | | |
| 08N/06W-06L05 M | | 75 | 8.0 | 270 | 6.7 | 5.7 | 41 | 10 | 0 | 136 | 16 | 6.2 | 0.6 | | 0.2 | | 214 | 40 |
| 8-05-71 | 5050 | | 7.3 | 265 | 0.33 | 0.47 | 1.78 | 0.26 | | 2.23 | 0.33 | 0.17 | 0.01 | | | | | 0 |
| 1500 | 5050 | | | | 12 | 16 | 63 | 9 | | 82 | 12 | 6 | 0 | | | | | |
| SONOMA VALLEY 2-02.02 | | | | | | | | | | | | | | | | | | |
| 04N/05W-14D02 M | | 72 | 8.2 | 965 | 14 | 12 | 184 | | 0 | 307 | | 141 | | | | | | 84 |
| 7-29-71 | 5050 | | 7.3 | 1000 | 0.70 | 0.98 | 8.00 | | | 5.03 | | 3.98 | | | | | | 0 |
| 1130 | 5050 | | | | 7 | 10 | 83 | | | | | | | | | | | |
| 05N/05W-28R01 M | | 68 | 8.3 | 1020 | 14 | 8.8 | 218 | 1.3 | 0 | 460 | 36 | 89 | 0.8 | | 1.1 | | 615 | 71 |
| 7-29-71 | 5050 | | 8.1 | 1000 | 0.70 | 0.72 | 9.48 | 0.03 | | 7.54 | 0.75 | 2.51 | 0.01 | | | | | 0 |
| 1530 | 5050 | | | | 6 | 7 | 87 | 0 | | 70 | 7 | 23 | 0 | | | | | |
| 05N/06W-12F01 M | | 64 | 7.7 | 462 | 23 | 20 | 44 | | 0 | 194 | | 40 | | | | | | 138 |
| 7-29-71 | 5050 | | 6.8 | 465 | 1.15 | 1.61 | 1.91 | | | 3.18 | | 1.13 | | | | | | 0 |
| 1245 | 5050 | | | | 25 | 34 | 41 | | | | | | | | | | | |
| 06N/06W-23M02 M | | 74 | 8.2 | 496 | 16 | 7.8 | 71 | | 0 | 1.44 | | 84 | | | | | | 72 |
| 7-29-71 | 5050 | | 7.7 | 490 | 0.80 | 0.64 | 3.09 | | | 2.36 | | 2.37 | | | | | | 0 |
| 1330 | 5050 | | | | 18 | 14 | 68 | | | | | | | | | | | |
| 06N/06W-26E01 M | | 72 | 8.0 | 409 | 2.7 | 0.4 | 78 | 10 | 0 | 144 | 2.6 | 50 | 0.1 | | 1.6 | | 296 | 8 |
| 7-29-71 | 5050 | | 8.1 | 410 | 0.13 | 0.03 | 3.39 | 0.26 | | 2.36 | 0.05 | 1.41 | 0.00 | | | | | 0 |
| 1430 | 5050 | | | | 3 | 1 | 89 | 7 | | 62 | 1 | 37 | | | | | | |
| SUISUN-FAIRFIELD VALLEY 2-03.00 | | | | | | | | | | | | | | | | | | |
| 03N/01E-21D01 M | | 70 | 8.5 | 2540 | 25 | 27 | 492 | | 17 | 668 | | 450 | | | | | | 172 |
| 8-02-71 | 5050 | | 8.1 | 2500 | 1.25 | 2.19 | 21.40 | | 0.57 | 10.95 | | 12.69 | | | | | | 0 |
| 1500 | 5050 | | | | 5 | 9 | 86 | | | | | | | | | | | |
| 04N/01E-08F01 M | | 73 | 8.1 | 973 | 48 | 22 | 136 | | 0 | 240 | | 164 | | | | | | 210 |
| 8-02-71 | 5050 | | 7.3 | 975 | 2.40 | 1.80 | 5.92 | | | 3.93 | | 4.63 | | | | | | 14 |
| 1600 | 5050 | | | | 24 | 18 | 58 | | | | | | | | | | | |
| 04N/02W-04D01 M | | 68 | 8.3 | 1450 | 75 | 89 | 150 | | 0 | 7.09 | | 130 | | | | | | 553 |
| 8-03-71 | 5050 | | 7.5 | 1350 | 3.74 | 7.31 | 6.52 | | | 11.62 | | 3.67 | | | | | | 0 |
| 0845 | 5050 | | | | 21 | 42 | 37 | | | | | | | | | | | |
| 04N/02W-18M01 M | | -- | 8.3 | 1150 | 112 | 39 | 90 | | 0 | 4.04 | | 110 | | | | | | 441 |
| 8-03-71 | 5050 | | 7.5 | 1200 | 5.59 | 3.22 | 3.92 | | | 6.62 | | 3.10 | | | | | | 110 |
| 0945 | 5050 | | | | 44 | 25 | 31 | | | | | | | | | | | |
| 05N/01W-25R01 M | | 65 | 9.2 | 1670 | 118 | 32 | 178 | | 0 | 252 | | 418 | | | | | | 426 |
| 8-02-71 | 5050 | | 7.3 | 1700 | 5.89 | 2.62 | 7.74 | | | 4.13 | | 11.79 | | | | | | 219 |
| 1630 | 5050 | | | | 36 | 16 | 48 | | | | | | | | | | | |
| 05N/02W-21P03 M | | 65 | 8.2 | 964 | 96 | 36 | 69 | | 0 | 442 | | 64 | | | | | | 386 |
| 8-03-71 | 5050 | | 7.2 | 975 | 4.79 | 2.92 | 3.00 | | | 7.24 | | 1.80 | | | | | | 24 |
| 0800 | 5050 | | | | 45 | 27 | 28 | | | | | | | | | | | |
| PITTSBURG PLAIN 2-04.00 | | | | | | | | | | | | | | | | | | |
| 02N/01W-04Q01 M | | 67 | - | 3770 | | | 500 | | | | | 855 | | | | | | |
| 8-04-71 | 5050 | | 7.5 | 4000 | | | 21.75 | | | | | 24.12 | | | | | | |
| 1215 | 5050 | | | | | | | | | | | | | | | | | |
| 02N/01W-11R01 M | | 70 | 8.1 | 923 | 56 | 52 | 61 | 3.7 | 0 | 360 | 90 | 68 | 24 | | 0.2 | | 615 | 355 |
| 8-04-71 | 5050 | | 7.5 | 950 | 2.79 | 4.30 | 2.65 | 0.09 | | 5.90 | 1.87 | 1.92 | 0.39 | | | | | 60 |
| 1130 | 5050 | | | | 28 | 44 | 27 | 1 | | 58 | 19 | 19 | 4 | | | | | |
| CLAYTON VALLEY 2-05.00 | | | | | | | | | | | | | | | | | | |
| 02N/01W-30J01 M | | 69 | 7.4 | 1030 | 90 | 52 | 61 | | 0 | 398 | | 58 | | | | | | 437 |
| 8-04-71 | 5050 | | 7.2 | 1025 | 4.49 | 4.24 | 2.65 | | | 6.52 | | 1.64 | | | | | | 111 |
| 1315 | 5050 | | | | 40 | 37 | 23 | | | | | | | | | | | |
| 02N/01W-31D01 M | | 75 | 7.6 | 1070 | 86 | 63 | 45 | | 0 | 358 | | 119 | | | | | | 475 |
| 8-04-71 | 5050 | | 7.3 | 1125 | 4.29 | 5.20 | 1.96 | | | 5.87 | | 3.36 | | | | | | 181 |
| 1345 | 5050 | | | | 38 | 45 | 17 | | | | | | | | | | | |
| 02N/02W-26B01 M | | 68 | 7.6 | 943 | 41 | 32 | 111 | | 0 | 354 | | 133 | | | | | | 234 |
| 8-04-71 | 5050 | | 7.9 | 975 | 2.05 | 2.63 | 4.83 | | | 5.80 | | 3.75 | | | | | | 0 |
| 1500 | 5050 | | | | 21 | 28 | 51 | | | | | | | | | | | |

# MINERAL ANALYSES OF GROUND WATER

| State Well Number<br>Date Lab<br>Time Sampler | Temp. | pH<br>Lab<br>Field | EC<br>Lab<br>Field | Mineral Constituents in Milligrams per Liter<br>Milliequivalents per Liter<br>Percent Reactance Value<br>Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter<br>F | B | $SiO_2$ | TDS<br>SUM | TH<br>NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLAYTON VALLEY 2-05.00 (Continued) | | | | | | | | | | | | | | | | | |
| 02N/02W-36J01 M | 66 | 7.7 | 1270 | 69 | 50 | 136 | | 0 | 405 | | 137 | | | | | | 377 |
| 8-04-71 5050 | | 7.3 | 1250 | 3.44 | 4.09 | 5.92 | | | 6.64 | | 3.86 | | | | | | 45 |
| 1415 5050 | | | | 26 | 30 | 44 | | | | | | | | | | | |
| YGNACIO VALLEY 2-06.00 | | | | | | | | | | | | | | | | | |
| 01N/02W-11N01 M | 67 | 7.9 | 1410 | 93 | 43 | 158 | | 0 | 538 | | 176 | | | | | | 410 |
| 8-04-71 5050 | | 7.4 | 1450 | 4.64 | 3.55 | 6.87 | | | 8.82 | | 4.96 | | | | | | 0 |
| 1545 5050 | | | | 31 | 23 | 46 | | | | | | | | | | | |
| 02N/02W-35D01 M | 65 | 7.5 | 2730 | 119 | 127 | 250 | 1.2 | 0 | 462 | 450 | 374 | 2.2 | | 2.6 | | 1630 | 818 |
| 8-12-71 5050 | | 7.3 | 3000 | 5.94 | 10.40 | 10.88 | 0.03 | | 7.57 | 9.37 | 10.55 | 0.04 | | | | | 439 |
| 0900 5050 | | | | 22 | 38 | 40 | 0 | | 28 | 34 | 38 | 0 | | | | | |
| SANTA CLARA VALLEY 2-09.00 | | | | | | | | | | | | | | | | | |
| EAST BAY AREA - - BAY PLAIN 2-09.01 | | | | | | | | | | | | | | | | | |
| 01S/04W-04A01 M | -- | 7.8 | 1240 | 85 | 55 | 95 | | 0 | 372 | | 172 | | | | | | 440 |
| 8-10-71 5050 | | --- | ---- | 4.24 | 4.55 | 4.13 | | | 6.10 | | 4.85 | | | | | | 135 |
| 1230 5100 | | | | 33 | 35 | 32 | | | | | | | | | | | |
| 02S/03W-28G01 M | -- | 8.2 | 974 | 73 | 26 | 89 | | 0 | 276 | | 153 | | | | | | 289 |
| 8-10-71 5050 | | --- | ---- | 3.64 | 2.13 | 3.87 | | | 4.52 | | 4.32 | | | | | | 63 |
| 0915 5100 | | | | 38 | 22 | 40 | | | | | | | | | | | |
| 02S/04W-12R01 M | 66 | 8.2 | 371 | 23 | 12 | 36 | | 0 | 164 | | 36 | | | | | | 106 |
| 8-10-71 5050 | | --- | ---- | 1.15 | 0.97 | 1.57 | | | 2.69 | | 1.02 | | | | | | 0 |
| 0950 5100 | | | | 31 | 26 | 43 | | | | | | | | | | | |
| 02S/04W-25A01 M | -- | 8.3 | 806 | 45 | 13 | 109 | | 0 | 300 | | 96 | | | | | | 165 |
| 8-10-71 5050 | | --- | ---- | 2.25 | 1.05 | 4.74 | | | 4.92 | | 2.71 | | | | | | 0 |
| 0930 5100 | | | | 28 | 13 | 59 | | | | | | | | | | | |
| 03S/02W-07J01 M | 64 | 7.6 | 1100 | 106 | 44 | 71 | | 0 | 451 | | 74 | | | | | | 444 |
| 8-10-71 5050 | | --- | ---- | 5.29 | 3.58 | 3.09 | | | 7.39 | | 2.09 | | | | | | 74 |
| 0815 5100 | | | | 44 | 30 | 26 | | | | | | | | | | | |
| 03S/02W-32D02 M | 74 | 8.3 | 791 | 36 | 11 | 134 | | 0 | 276 | | 89 | | | | | | 133 |
| 8-10-71 5050 | | --- | ---- | 1.80 | 0.86 | 5.83 | | | 4.52 | | 2.51 | | | | | | 0 |
| 0800 5100 | | | | 21 | 10 | 69 | | | | | | | | | | | |
| EAST BAY AREA - - ABOVE HAYWARD FAULT 2-09.01 | | | | | | | | | | | | | | | | | |
| 04S/01W-07R05 M | 64 | 8.0 | 1802 | 168 | 63 | 1.2 | | 0 | 362 | 42 | 348 | 78 | | 0.1 | | 1230 | 679 |
| 9-22-71 5050 | | 6.8 | 1800 | 8.37 | 5.20 | 4.44 | 0.03 | | 5.93 | 0.87 | 9.82 | 1.26 | | | | | 382 |
| 1200 5401 | | | | 46 | 29 | 25 | 0 | | 33 | 5 | 55 | 7 | | | | | |
| 04S/01W-21P06 M | 63 | 8.0 | 638 | | | 46 | | 0 | 219 | | 56 | | | | | | 226 |
| 9-29-71 5050 | | 7.4 | 690 | | | 2.00 | | | 3.59 | | 1.58 | | | | | | 47 |
| 1300 5401 | | | | | | 31 | | | | | | | | | | | |
| 04S/01W-27B04 M | -- | 8.0 | 1080 | 95 | 25 | 87 | 1.2 | 0 | 386 | 113 | 58 | 33 | | 0.7 | | 612 | 340 |
| 6-11-71 5050 | | --- | ---- | 4.75 | 2.04 | 3.78 | 0.03 | | 6.33 | 2.35 | 1.64 | 0.53 | | | | | 23 |
| - 5401 | | | | 45 | 19 | 36 | 0 | | 58 | 22 | 15 | 5 | | | | | |
| 04S/01W-27K01 M | -- | 7.8 | 1540 | 88 | 78 | 152 | 1.6 | 0 | 560 | 162 | 154 | 29 | | 1.0 | | 923 | 540 |
| 6-10-71 5050 | | --- | ---- | 4.37 | 6.42 | 6.61 | 0.04 | | 9.18 | 3.37 | 4.34 | 0.47 | | | | | 81 |
| - 5401 | | | | 25 | 37 | 38 | 0 | | 53 | 19 | 25 | 3 | | | | | |
| 04S/01W-34R02 M | 68 | 7.7 | 627 | | | 72 | | 0 | 3.04 | | 41 | | | | | | 170 |
| 9-29-71 5050 | | 7.6 | 820 | | | 3.13 | | | 4.98 | | 1.16 | | | | | | 0 |
| 0905 5401 | | | | | | 48 | | | | | | | | | | | |
| EAST BAY AREA - UPPER AQUIFER 2-09.01 | | | | | | | | | | | | | | | | | |
| 04S/01W-18C02 M | 66 | 8.2 | 894 | | | 53 | | 0 | 313 | | 65 | | | | | | 360 |
| 9-22-71 5050 | | 7.4 | 970 | | | 2.30 | | | 5.13 | | 1.83 | | | | | | 104 |
| 0745 5401 | | | | | | 24 | | | | | | | | | | | |
| 04S/01W-19J07 M | 60 | 7.8 | 899 | | | 45 | | 0 | 235 | | 116 | | | | | | 355 |
| 9-29-71 5050 | | 7.4 | 1000 | | | 1.96 | | | 3.85 | | 3.27 | | | | | | 163 |
| 0800 5401 | | | | | | 22 | | | | | | | | | | | |
| 04S/01W-33C01 M | 63 | 8.0 | 1720 | | | 146 | | 0 | 657 | | 141 | | | | | | 624 |
| 9-22-71 5050 | | 7.2 | 1720 | | | 6.35 | | | 10.77 | | 3.98 | | | | | | 85 |
| 1420 5401 | | | | | | 34 | | | | | | | | | | | |
| 04S/02W-14P02 M | -- | 7.5 | 13040 | 1300 | 663 | 738 | 7.0 | 0 | 195 | 206 | 5050 | 0.9 | | 0.7 | | 9840 | 5970 |
| 5-26-71 5050 | | --- | ---- | 64.77 | 54.51 | 32.10 | 0.18 | | 3.20 | 4.29 | 142.46 | 0.01 | | | | | 5810 |
| -- 5401 | | | | 43 | 36 | 21 | 0 | | 2 | 3 | 95 | 0 | | | | | |
| 04S/02W-24F06 M | 64 | 7.4 | 6750 | | | 173 | | 0 | 284 | | 2180 | | | | | | 3080 |
| 10-06-71 5050 | | 6.7 | 7000 | | | 7.52 | | | 4.65 | | 61.50 | | | | | | 2847 |
| 1430 5401 | | | | | | 11 | | | | | | | | | | | |

TABLE E-1 (Cont.)

# MINERAL ANALYSES OF GROUND WATER

| State Well Number<br>Date Lab<br>Time Sampler | Temp. | pH<br>Lab<br>Field | EC<br>Lab<br>Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value | | | | | | | | | Milligrams per Liter | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | F | B | $SiO_2$ | TDS SUM | TH NCH |
| EAST BAY AREA -- LOWER AQUIFER 2-09.01 | | | | | | | | | | | | | | | | | |
| 04S/01W-07P02 M | 64 | 8.3 | 900 | | | 56 | | 0 | 353 | | 59 | | | | | | 357 |
| 9-21-71 5050 | | 7.1 | 920 | | | 2.44 | | | 5.78 | | 1.66 | | | | | | 68 |
| 0915 5401 | | | | | | 26 | | | | | | | | | | | |
| 04S/01W-29L12 M | 62 | 7.9 | 2230 | | | 71 | | 0 | 197 | | 585 | | | | | | 913 |
| 9-29-71 5050 | | 7.3 | 2400 | | | 3.09 | | | 3.23 | | 16.50 | | | | | | 751 |
| 1215 5401 | | | | | | 15 | | | | | | | | | | | |
| 04S/01W-30E03 M | -- | 7.9 | 1760 | 178 | 51 | 87 | 2.2 | 0 | 232 | 47 | 430 | 5.4 | | 0.4 | | 1300 | 653 |
| 6-04-71 5050 | | --- | ---- | 8.88 | 4.17 | 3.78 | 0.06 | | 3.80 | 0.98 | 12.13 | 0.09 | | | | | 463 |
| -- 5401 | | | | 53 | 25 | 22 | 0 | | 22 | 6 | 71 | 1 | | | | | |
| 04S/01W-30E03 M | 66 | --- | 2100 | | | | | | | | 556 | | | | | | |
| 9-29-71 5050 | | 7.5 | 1840 | | | | | | | | 15.68 | | | | | | |
| 0930 5401 | | | | | | | | | | | | | | | | | |
| 04S/01W-31B03 M | 66 | 7.6 | 3460 | | | 90 | | 0 | 170 | | 1020 | | | | | | 1460 |
| 9-30-71 5050 | | 7.3 | 3150 | | | 3.92 | | | 2.79 | | 28.77 | | | | | | 1320 |
| 1000 5401 | | | | | | 12 | | | | | | | | | | | |
| 04S/02W-11Q10 M | 66 | 7.8 | 786 | | | 43 | | 0 | 267 | | 81 | | | | | | 310 |
| 9-21-71 5050 | | 7.5 | 875 | | | 1.87 | | | 4.38 | | 2.28 | | | | | | 91 |
| 1025 5401 | | | | | | 23 | | | | | | | | | | | |
| 04S/02W-23F02 M | 65 | 8.0 | 1280 | | | 52 | | 0 | 238 | | 247 | | | | | | 516 |
| 9-21-71 5050 | | 7.4 | 1270 | | | 2.26 | | | 3.90 | | 6.97 | | | | | | 320 |
| 1230 5401 | | | | | | 18 | | | | | | | | | | | |
| 04S/02W-27L01 M | 68 | 8.4 | 595 | | | 110 | | 4 | 303 | | 26 | | | | | | 77 |
| 9-29-71 5050 | | 7.9 | 650 | | | 4.78 | | 0.13 | 4.97 | | 0.73 | | | | | | 0 |
| 0830 5401 | | | | | | 75 | | | | | | | | | | | |
| 05S/01W-01R01 M | -- | 8.6 | 762 | 64 | 24 | 74 | 1.8 | 0 | 339 | 13 | 76 | 15 | | 0.1 | | 414 | 258 |
| 5-26-71 5050 | | --- | --- | 3.17 | 1.99 | 3.22 | 0.05 | | 5.56 | 0.27 | 2.14 | 0.24 | | | | | 0 |
| -- 5401 | | | | 38 | 24 | 38 | 0 | | 68 | 3 | 26 | 3 | | | | | |
| 05S/01W-04D01 M | 70 | 8.5 | 615 | | | 117 | | 5 | 278 | | 36 | | | | | | 66 |
| 9-29-71 5050 | | 7.9 | 650 | | | 5.09 | | 0.17 | 4.56 | | 1.02 | | | | | | 0 |
| 0930 5401 | | | | | | 79 | | | | | | | | | | | |
| 05S/01W-08A03 M | 76 | 8.4 | 633 | | | 125 | | 5 | 332 | | 19 | | | | | | 64 |
| 9-21-71 5050 | | 8.0 | 630 | | | 5.44 | | 0.17 | 5.44 | | 0.54 | | | | | | 0 |
| 1330 5401 | | | | | | 81 | | | | | | | | | | | |
| 05S/01W-17A01 M | -- | 8.7 | 516 | 7.4 | 2.6 | 111 | 0.6 | 0 | 282 | 29 | 12 | 0.7 | | 0.3 | | 301 | 29 |
| 5-25-71 5050 | | --- | --- | 0.37 | 0.21 | 4.83 | 0.02 | | 4.62 | 0.60 | 0.34 | 0.01 | | | | | 0 |
| -- 5401 | | | | 7 | 4 | 89 | 0 | | 83 | 11 | 6 | 0 | | | | | |
| 05S/02W-01N01 M | -- | 8.7 | 429 | 3.8 | 2.3 | 90 | 0.6 | 0 | 220 | 24 | 14 | 0.3 | | 0.2 | | 249 | 19 |
| 5-25-71 5050 | | --- | --- | 0.19 | 0.19 | 3.92 | 0.02 | | 3.60 | 0.50 | 0.39 | 0.00 | | | | | 0 |
| -- 5401 | | | | 4 | 4 | 91 | 1 | | 80 | 11 | 9 | | | | | | |
| 05S/02W-01N01 M | 76 | 8.2 | 431 | | | 94 | | 0 | 217 | | 14 | | | | | | 20 |
| 9-21-71 5050 | | 7.8 | 450 | | | 4.09 | | | 3.56 | | 0.39 | | | | | | 0 |
| 1300 5401 | | | | | | 91 | | | | | | | | | | | |
| 05S/02W-14E03 M | 66 | 8.2 | 433 | | | 63 | | 0 | 229 | | 16 | | | | | | 89 |
| 10-06-71 5050 | | 8.1 | 490 | | | 2.74 | | | 3.75 | | 0.45 | | | | | | 0 |
| 0830 5401 | | | | | | 61 | | | | | | | | | | | |
| SOUTH BAY AREA 2-09.02 | | | | | | | | | | | | | | | | | |
| 05S/01E-31R01 M | -- | 8.3 | 1020 | | | 112 | | 0 | 207 | | 143 | | | | | | 263 |
| 6-28-71 5050 | | --- | --- | | | 4.87 | | | 3.39 | | 4.03 | | | | | | 93 |
| -- 2400 | | | | | | 48 | | | | | | | | | | | |
| 06S/01E-17G05 M | 72 | 8.1 | 619 | 26 | 5.1 | 104 | 1.4 | 0 | 266 | 41 | 44 | 0.0 | | 0.4 | | 344 | 85 |
| 6-11-71 5050 | | --- | --- | 1.28 | 0.42 | 4.52 | 0.04 | | 4.36 | 0.85 | 1.24 | | | | | | 0 |
| -- 2400 | | | | 20 | 7 | 72 | 1 | | 68 | 13 | 19 | | | | | | |
| 06S/01E-21R01 M | -- | --- | 650 | | | | | | | | 48 | | | | | | |
| 6-25-71 5050 | | --- | --- | | | | | | | | 1.35 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 06S/01E-22P01 M | -- | 8.2 | 721 | | | 75 | | 0 | 284 | | 54 | | | | | | 208 |
| 6-25-71 5050 | | --- | --- | | | 3.26 | | | 4.65 | | 1.52 | | | | | | 0 |
| -- 2400 | | | | | | 44 | | | | | | | | | | | |
| 06S/01W-14E01 M | -- | 8.1 | 505 | | | 50 | | 0 | 170 | | 37 | | | | | | 146 |
| 6-28-71 5050 | | --- | --- | | | 2.18 | | | 2.79 | | 1.04 | | | | | | 7 |
| -- 2400 | | | | | | 43 | | | | | | | | | | | |
| 06S/01W-15P01 M | -- | --- | 429 | | | | | | | | 12 | | | | | | |
| 7-14-71 5050 | | --- | --- | | | | | | | | 0.34 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 06S/01W-18P01 M | -- | --- | 519 | | | | | | | | 23 | | | | | | |
| 7-14-71 5050 | | --- | --- | | | | | | | | 0.65 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |

# MINERAL ANALYSES OF GROUND WATER

| State Well Number<br>Date Lab<br>Time Sampler | Temp. | pH<br>Lab<br>Field | EC<br>Lab<br>Field | Mineral Constituents in Milligrams per Liter<br>Milliequivalents per Liter<br>Percent Reactance Value<br>Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter<br>F | B | $SiO_2$ | TDS<br>SUM | TH<br>NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH BAY AREA 2-09.02 (Continued) | | | | | | | | | | | | | | | | | |
| 06S/01W-26D02 M | -- | --- | 483 | | | | | | | | 19 | | | | | | |
| 7-06-71 5050 | | --- | --- | | | | | | | | 0.54 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 06S/01W-31F01 M | -- | --- | 615 | | | | | | | | 62 | | | | | | |
| 6-25-71 5050 | | --- | --- | | | | | | | | 1.75 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 06S/02W-09Q02 M | -- | 8.2 | 620 | | | 50 | | 0 | 287 | | 28 | | | | | | 227 |
| 6-28-71 5050 | | --- | --- | | | 2.18 | | | 4.70 | | 0.79 | | | | | | 0 |
| -- 2400 | | | | | | 32 | | | | | | | | | | | |
| 06S/02W-20N01 M | -- | 8.2 | 463 | | | 27 | | 0 | 190 | | 33 | | | | | | 178 |
| 6-29-71 5050 | | --- | --- | | | 1.17 | | | 3.11 | | 0.93 | | | | | | 23 |
| -- 2400 | | | | | | 25 | | | | | | | | | | | |
| 06S/02W-34N01 M | -- | --- | 650 | | | | | | | | 37 | | | | | | |
| 6-28-71 5050 | | --- | --- | | | | | | | | 1.04 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 07S/01E-24A01 M | -- | --- | 740 | | | | | | | | 23 | | | | | | |
| 6-25-71 5050 | | --- | --- | | | | | | | | 0.65 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 07S/02E-18B01 M | -- | 8.1 | 1260 | 92 | 49 | 121 | 1.4 | 0 | 541 | 92 | 87 | 36 | | 0.3 | | 753 | 432 |
| 6-25-71 5050 | | --- | ---- | 4.60 | 4.02 | 5.26 | 0.04 | | 8.87 | 1.92 | 2.45 | 0.58 | | | | | 0 |
| -- 2400 | | | | 33 | 29 | 38 | 0 | | 64 | 14 | 18 | 4 | | | | | |
| 07S/02E-20B01 M | -- | --- | 822 | | | | | | | | 42 | | | | | | |
| 6-25-71 5050 | | --- | --- | | | | | | | | 1.18 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 07S/02E-33C04 M | -- | 8.1 | 928 | | | 56 | | 0 | 455 | | 47 | | | | | | 386 |
| 6-28-71 5050 | | --- | --- | | | 2.44 | | | 7.46 | | 1.32 | | | | | | 13 |
| -- 2400 | | | | | | 24 | | | | | | | | | | | |
| 07S/01W-06B01 M | -- | --- | 534 | | | | | | | | 48 | | | | | | |
| 6-28-71 5050 | | --- | --- | | | | | | | | 1.35 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 08S/01E-04M01 M | 64 | 8.1 | 491 | 42 | 30 | 17 | 1.0 | 0 | 235 | 35 | 23 | 6.8 | | 0.1 | | 258 | 227 |
| 6-11-71 5050 | | --- | --- | 2.08 | 2.46 | 0.74 | 0.03 | | 3.85 | 0.73 | 0.65 | 0.11 | | | | | 35 |
| -- 2400 | | | | 39 | 46 | 14 | 1 | | 72 | 14 | 12 | 2 | | | | | |
| 08S/01E-08P03 M | -- | 7.8 | 364 | 24 | 20 | 23 | 0.6 | 0 | 172 | 28 | 14 | 2.5 | | 0.2 | | 182 | 142 |
| 6-14-71 5050 | | --- | --- | 1.22 | 1.61 | 1.00 | 0.02 | | 2.82 | 0.58 | 0.39 | 0.04 | | | | | 1 |
| -- 2400 | | | | 32 | 42 | 26 | 0 | | 74 | 15 | 10 | 1 | | | | | |
| 08S/01E-09L03 M | -- | --- | 457 | | | | | | | | 18 | | | | | | |
| 6-25-71 5050 | | --- | --- | | | | | | | | 0.51 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 08S/01E-20Q01 M | -- | 7.9 | 486 | 33 | 40 | 13 | 1.2 | 0 | 293 | 17 | 7.4 | 0.3 | | 0.2 | | 257 | 246 |
| 6-11-71 5050 | | --- | --- | 1.64 | 3.26 | 0.56 | 0.03 | | 4.80 | 0.35 | 0.21 | 0.00 | | | | | 6 |
| -- 2400 | | | | 30 | 59 | 10 | 1 | | 90 | 6 | 4 | | | | | | |
| 08S/01E-27C01 M | -- | 7.5 | 756 | 39 | 65 | 31 | 0.3 | 0 | 365 | 83 | 21 | 23 | | 0.4 | | 424 | 364 |
| 6-11-71 5050 | | --- | --- | 1.96 | 5.32 | 1.35 | 0.01 | | 5.98 | 1.73 | 0.59 | 0.37 | | | | | 65 |
| -- 2400 | | | | 23 | 61 | 16 | 0 | | 69 | 20 | 7 | 4 | | | | | |
| 08S/01E-27C02 M | -- | 8.5 | 729 | | | 28 | | 12 | 326 | | 21 | | | | | | 357 |
| 6-28-71 5050 | | --- | --- | | | 1.22 | | 0.40 | 5.34 | | 0.59 | | | | | | 70 |
| -- 2400 | | | | | | 15 | | | | | | | | | | | |
| 08S/01E-27G01 M | -- | 7.7 | 764 | 37 | 63 | 36 | 0.5 | 0 | 366 | 65 | 35 | 14 | | 0.5 | | 434 | 352 |
| 6-11-71 5050 | | --- | --- | 1.87 | 5.17 | 1.57 | 0.01 | | 6.00 | 1.35 | 0.99 | 0.23 | | | | | 52 |
| -- 2400 | | | | 22 | 60 | 18 | 0 | | 70 | 16 | 11 | 3 | | | | | |
| 08S/01E-36M02 M | -- | 7.9 | 2910 | 136 | 274 | 139 | 0.8 | 0 | 662 | 552 | 380 | 112 | | 0.2 | | 2100 | 1468 |
| 6-14-71 5050 | | --- | ---- | 6.79 | 22.53 | 6.05 | 0.02 | | 10.85 | 11.49 | 10.72 | 1.81 | | | | | 924 |
| -- 2400 | | | | 19 | 64 | 17 | 0 | | 31 | 33 | 31 | 5 | | | | | |
| 08S/02E-07F01 M | -- | 8.4 | 545 | | | 28 | | 3 | 200 | | 20 | | | | | | 228 |
| 6-25-71 5050 | | --- | --- | | | 1.22 | | 0.10 | 3.28 | | 0.56 | | | | | | 59 |
| -- 2400 | | | | | | 21 | | | | | | | | | | | |
| 08S/02E-17A01 M | -- | --- | 254 | | | | | | | | 16 | | | | | | |
| 6-28-71 5050 | | --- | --- | | | | | | | | 0.45 | | | | | | |
| -- 2400 | | | | | | | | | | | | | | | | | |
| 08S/01W-15B01 M | -- | 8.4 | 633 | | | 27 | | 2 | 226 | | 32 | | | | | | 274 |
| 6-29-71 5050 | | --- | --- | | | 1.17 | | 0.07 | 3.70 | | 0.90 | | | | | | 85 |
| -- 2400 | | | | | | 18 | | | | | | | | | | | |
| 09S/02E-02C01 M | -- | 8.3 | 537 | | | 33 | | 0 | 184 | | 23 | | | | | | 209 |
| 6-28-71 5050 | | --- | --- | | | 1.44 | | | 3.02 | | 0.65 | | | | | | 58 |
| -- 2400 | | | | | | 26 | | | | | | | | | | | |

TABLE E-1 (Cont.)

# MINERAL ANALYSES OF GROUND WATER

| State Well Number / Date / Time | Lab / Sampler | Temp. | pH Lab / Field | EC Lab / Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter: F | B | $SiO_2$ | TDS SUM | TH NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| LIVERMORE VALLEY 2-10.00 | | | | | | | | | | | | | | | | | | |
| 02S/02E-35G02 M | | 71 | 8.0 | 3730 | 100 | 87 | 510 | | 0 | 407 | | 967 | | | | | | 606 |
| 8-09-71 | 5050 | | --- | ---- | 4.99 | 7.12 | 22.18 | | | 6.67 | | 27.28 | | | | | | 272 |
| 1250 | 5100 | | | | 14 | 21 | 65 | | | | | | | | | | | |
| 03S/01E-08H03 M | | 62 | 8.0 | 1380 | 76 | 93 | 72 | | 0 | 416 | | 210 | | | | | | 574 |
| 8-09-71 | 5050 | | --- | ---- | 3.79 | 7.68 | 3.13 | | | 6.82 | | 5.92 | | | | | | 233 |
| 0945 | 5100 | | | | 26 | 53 | 21 | | | | | | | | | | | |
| 03S/01E-11H01 M | | -- | 8.1 | 909 | 53 | 62 | 46 | | 0 | 355 | | 97 | | | | | | 389 |
| 8-09-71 | 5050 | | --- | --- | 2.64 | 5.13 | 2.00 | | | 5.82 | | 2.74 | | | | | | 98 |
| 1005 | 5100 | | | | 27 | 53 | 20 | | | | | | | | | | | |
| 03S/01E-15L01 M | | -- | 8.2 | 476 | 39 | 19 | 34 | | 0 | 198 | | 32 | | | | | | 177 |
| 8-09-71 | 5050 | | --- | --- | 1.94 | 1.60 | 1.48 | | | 3.24 | | 0.90 | | | | | | 15 |
| 1345 | 5100 | | | | 39 | 32 | 29 | | | | | | | | | | | |
| 03S/02E-08H01 M | | -- | 8.3 | 749 | 40 | 50 | 39 | | 0 | 265 | | 69 | | | | | | 306 |
| 8-10-71 | 5050 | | --- | --- | 2.00 | 4.11 | 1.70 | | | 4.34 | | 1.95 | | | | | | 89 |
| -- | 5100 | | | | 26 | 52 | 22 | | | | | | | | | | | |
| 03S/02E-29D01 M | | -- | 8.2 | 687 | 51 | 33 | 46 | | 0 | 268 | | 57 | | | | | | 263 |
| 8-09-71 | 5050 | | --- | --- | 2.55 | 2.70 | 2.00 | | | 4.39 | | 1.61 | | | | | | 43 |
| 1020 | 5100 | | | | 35 | 37 | 28 | | | | | | | | | | | |
| 03S/03E-19C01 M | | -- | 8.3 | 1630 | 36 | 45 | 256 | 2.0 | 0 | 540 | 104 | 228 | 0.0 | | 6.3 | | 937 | 276 |
| 8-09-71 | 5050 | | --- | ---- | 1.80 | 3.71 | 11.14 | 0.05 | | 8.85 | 2.16 | 6.43 | | | | | | 0 |
| 1230 | 5100 | | | | 11 | 22 | 67 | 0 | | 51 | 12 | 37 | | | | | | |
| CENTRAL COASTAL REGION 3-00.00 | | | | | | | | | | | | | | | | | | |
| PAJARO VALLEY 3-02.00 | | | | | | | | | | | | | | | | | | |
| 12S/01E-11N01 M | | -- | 8.3 | 607 | 37 | 34.7 | 25 | | 0 | 155 | | 74 | 38 | | | | | 235 |
| 3-24-71 | 5050 | | --- | --- | 1.85 | 2.85 | 1.09 | | | 2.54 | | 2.09 | 0.61 | | | | | |
| 1130 | 5050 | | | | 32 | 49 | 19 | | | | | | | | | | | |
| 12S/01E-11N01 M | | 68 | 8.4 | 682 | 47 | 37 | 27 | | 6 | 126 | | 100 | 42 | | | | | 270 |
| 8-11-71 | 5050 | | --- | --- | 2.35 | 3.04 | 1.17 | | 0.20 | 2.07 | | 2.82 | 0.68 | | | | | |
| 1000 | 5050 | | | | 36 | 46 | 18 | | | | | | | | | | | |
| 12S/01E-25G01 M | | -- | 8.3 | 518 | 23 | 24.2 | 48 | | 0 | 213 | | 29 | 0.0 | | | | | 157 |
| 3-24-71 | 5050 | | --- | --- | 1.15 | 1.99 | 2.09 | | | 3.49 | | 0.82 | | | | | | |
| -- | 5050 | | | | 22 | 38 | 40 | | | | | | | | | | | |
| 12S/02E-18K03 M | | 67 | 8.6 | 418 | 48 | 13 | 25 | | 7 | 198 | | 14 | 0.0 | | | | | 175 |
| 8-11-71 | 5050 | | --- | --- | 2.40 | 1.07 | 1.09 | | 0.23 | 3.25 | | 0.39 | | | | | | |
| 1400 | 5050 | | | | 53 | 23 | 24 | | | | | | | | | | | |
| GILROY-HOLLISTER VALLEY 3-03.00 | | | | | | | | | | | | | | | | | | |
| SOUTH SANTA CLARA COUNTY 3-03.01 | | | | | | | | | | | | | | | | | | |
| 09S/03E-25N03 M | | -- | 8.3 | 460 | 41 | 21 | 25 | 1.3 | 0 | 189 | 21 | 23 | 43 | | 0.0 | | 283 | 187 |
| 6-14-71 | 5050 | | --- | 450 | 2.00 | 1.73 | 1.09 | 0.03 | | 3.10 | 0.44 | 0.65 | 0.69 | | | | | |
| -- | 5114 | | | | 21 | 36 | 22 | 1 | | 64 | 9 | 13 | 14 | | | | | |
| 09S/03E-33G02 M | | -- | 8.1 | 482 | 41 | 21 | 30 | 1.1 | 0 | 215 | 40 | 17 | 26 | | 0.0 | | 292 | 190 |
| 6-08-71 | 5050 | | --- | 470 | 2.05 | 1.73 | 1.30 | 0.03 | | 3.53 | 0.83 | 0.48 | 0.42 | | | | | |
| -- | 5114 | | | | 40 | 34 | 25 | 1 | | 67 | 16 | 9 | 8 | | | | | |
| 10S/03E-01E02 M | | -- | 8.3 | 553 | 49 | 34 | 16 | 0.8 | 0 | 255 | 37 | 19 | 34 | | 0.0 | | 348 | 263 |
| 6-14-71 | 5050 | | --- | 540 | 2.45 | 2.79 | 0.70 | 0.02 | | 4.18 | 0.77 | 0.54 | 0.55 | | | | | |
| -- | 5114 | | | | 41 | 47 | 12 | 0 | | 69 | 13 | 9 | 9 | | | | | |
| 10S/03E-02K01 M | | -- | 8.2 | 380 | 39 | 22 | 12 | | 0 | 198 | | 10 | 14 | | | | | 188 |
| 6-14-71 | 5050 | | --- | 370 | 1.95 | 1.81 | 0.52 | | | 3.25 | | 0.28 | 0.23 | | | | | |
| -- | 5114 | | | | 46 | 42 | 12 | | | | | | | | | | | |
| 10S/03E-11G01 M | | -- | 7.6 | 404 | 41 | 23 | 12 | | 0 | 216 | | 12 | 4.1 | | | | | 198 |
| 6-14-71 | 5050 | | --- | 390 | 2.05 | 1.89 | 0.52 | | | 3.54 | | 0.34 | 0.07 | | | | | |
| -- | 5114 | | | | 46 | 42 | 12 | | | | | | | | | | | |
| 10S/03E-13D02 M | | -- | 8.3 | 495 | 48 | 30 | 16 | | 0 | 224 | | 26 | 13 | | | | | 244 |
| 6-16-71 | 5050 | | --- | 490 | 2.40 | 2.47 | 0.70 | | | 3.67 | | 0.73 | 0.21 | | | | | |
| -- | 5114 | | | | 43 | 44 | 13 | | | | | | | | | | | |
| 10S/03E-14D01 M | | -- | 8.2 | 595 | 31 | 52 | 16 | 0.5 | 0 | 273 | 24 | 40 | 25 | | 0.0 | | 378 | 290 |
| 6-08-71 | 5050 | | --- | 590 | 1.55 | 4.27 | 0.70 | 0.01 | | 4.48 | 0.50 | 1.13 | 0.40 | | | | | |
| -- | 5114 | | | | 24 | 65 | 11 | 0 | | 69 | 8 | 17 | 6 | | | | | |
| 10S/03E-23J01 M | | -- | 8.2 | 489 | 40 | 28 | 20 | | 0 | 170 | | 36 | 37 | | | | | 214 |
| 6-08-71 | 5050 | | --- | 470 | 2.00 | 2.30 | 0.87 | | | 2.79 | | 1.02 | 0.60 | | | | | |
| -- | 5114 | | | | 39 | 44 | 17 | | | | | | | | | | | |
| 10S/03E-26J01 M | | -- | 8.0 | 472 | 43 | 25 | 18 | | 0 | 162 | | 32 | 23 | | | | | 209 |
| 6-08-71 | 5050 | | --- | 450 | 2.15 | 2.06 | 0.78 | | | 2.66 | | 0.90 | 0.37 | | | | | |
| -- | 5114 | | | | 43 | 41 | 16 | | | | | | | | | | | |

TABLE E-1 (Cont.)

# MINERAL ANALYSES OF GROUND WATER

| State Well Number / Date / Time | Lab / Sampler | Temp. | pH Lab / Field | EC Lab / Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter: F | B | $SiO_2$ | TDS SUM | TH NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SOUTH SANTA CLARA COUNTY 3-03.01 (Continued) | | | | | | | | | | | | | | | | | | |
| 10S/04E-17F01 M | | -- | 8.3 | 861 | 49 | 44 | 71 | 0.8 | 0 | 364 | 20 | 94 | 11 | | 0.1 | | 490 | 302 |
| 6-14-71 | 5050 | | --- | 850 | 2.45 | 3.62 | 3.09 | 0.02 | | 5.97 | 0.42 | 2.65 | 0.18 | | | | | |
| -- | 5114 | | | | 27 | 39 | 34 | 0 | | 65 | 4 | 29 | 2 | | | | | |
| 10S/04E-18G02 M | | -- | 8.3 | 522 | 43 | 31 | 19 | 0.8 | 0 | 228 | 29 | 31 | 28 | | 0.0 | | 325 | 234 |
| 6-14-71 | 5050 | | --- | 510 | 2.15 | 2.55 | 0.83 | 0.02 | | 3.74 | 0.60 | 0.87 | 0.45 | | | | | |
| -- | 5114 | | | | 39 | 46 | 15 | 0 | | 66 | 11 | 15 | 8 | | | | | |
| 10S/04E-18J01 M | | -- | 8.5 | 429 | 43 | 21 | 22 | | 6 | 194 | | 17 | 17 | | | | | 192 |
| 6-14-71 | 5050 | | --- | 410 | 2.15 | 1.73 | 0.96 | | 0.20 | 3.18 | | 0.48 | 0.27 | | | | | |
| -- | 5114 | | | | 44 | 36 | 20 | | | | | | | | | | | |
| 10S/04E-28D02 M | | -- | 8.2 | 554 | 33 | 37 | 32 | | 0 | 248 | | 34 | 19 | | | | | 235 |
| 6-14-71 | 5050 | | --- | 550 | 1.65 | 3.04 | 1.39 | | | 4.07 | | 0.96 | 0.31 | | | | | |
| -- | 5114 | | | | 27 | 50 | 23 | | | | | | | | | | | |
| 10S/04E-34L05 M | | -- | 8.2 | 761 | 55 | 42 | 46 | 1.0 | 0 | 307 | 40 | 54 | 52 | | 0.0 | | 482 | 309 |
| 6-14-71 | 5050 | | --- | 750 | 2.74 | 3.45 | 2.00 | 0.03 | | 5.03 | 0.83 | 1.52 | 0.84 | | | | | |
| -- | 5114 | | | | 33 | 42 | 24 | 1 | | 61 | 10 | 19 | 10 | | | | | |
| 11S/04E-03L02 M | | -- | 8.4 | 470 | 44 | 20 | 31 | | 6 | 220 | | 17 | 11 | | | | | 193 |
| 6-14-71 | 5050 | | --- | 460 | 2.20 | 1.64 | 1.35 | | 0.20 | 3.61 | | 0.48 | 0.18 | | | | | |
| -- | 5114 | | | | 42 | 32 | 26 | | | | | | | | | | | |
| 11S/04E-04Q03 M | | -- | 8.3 | 841 | 68 | 60 | 25 | 0.5 | 0 | 325 | 90 | 27 | 104 | | 0.1 | | 551 | 415 |
| 6-14-71 | 5050 | | --- | 830 | 3.39 | 4.93 | 1.09 | 0.01 | | 5.33 | 1.87 | 0.76 | 1.67 | | | | | |
| -- | 5114 | | | | 36 | 52 | 12 | 0 | | 55 | 20 | 8 | 17 | | | | | |
| 11S/04E-06B01 M | | -- | 8.3 | 430 | 38 | 22 | 19 | 0.8 | 0 | 197 | 32 | 16 | 18 | | 0.0 | | 264 | 186 |
| 6-08-71 | 5050 | | --- | 420 | 1.90 | 1.81 | 0.83 | 0.02 | | 3.23 | 0.67 | 0.45 | 0.29 | | | | | |
| -- | 5114 | | | | 42 | 40 | 18 | 0 | | 70 | 14 | 10 | 6 | | | | | |
| 11S/04E-18K02 M | | -- | 8.2 | 693 | 63 | 40 | 29 | | 0 | 240 | | 22 | 73 | | | | | 320 |
| 6-14-71 | 5050 | | --- | 680 | 3.14 | 3.29 | 1.26 | | | 3.94 | | 0.62 | 1.18 | | | | | |
| -- | 5114 | | | | 41 | 43 | 16 | | | | | | | | | | | |
| 11S/04E-09P05 M | | -- | 8.4 | 621 | 62 | 33 | 22 | | 6 | 247 | | 26 | 44 | | | | | 290 |
| 6-16-71 | 5050 | | --- | 610 | 3.09 | 2.71 | 0.96 | | 0.20 | 4.05 | | 0.73 | 0.71 | | | | | |
| -- | 5114 | | | | 46 | 40 | 14 | | | | | | | | | | | |
| 11S/04E-16J01 M | | -- | 7.8 | 631 | 67 | 41 | 30 | 1.2 | 0.0 | 329 | 57 | 29 | 27 | | 0.09 | 28 | 457 | 335 |
| 2-26-71 | 5818 | | --- | --- | 3.34 | 3.37 | 1.30 | 0.03 | | 5.40 | 1.19 | 0.82 | 0.43 | | | | | |
| -- | 5216 | | | | 42 | 42 | 16 | 0 | | 69 | 15 | 10 | 6 | | | | | |
| 11S/04E-16J01 M | | -- | 8.3 | 806 | 85 | 45 | 29 | | 0 | 340 | | 30 | 53 | | | | | 398 |
| 6-16-71 | 5050 | | --- | 800 | 4.24 | 3.70 | 1.26 | | | 5.58 | | 0.85 | 0.85 | | | | | |
| -- | 5114 | | | | 46 | 40 | 14 | | | | | | | | | | | |
| 11S/04E-16L01 M | | -- | 8.3 | 956 | 39 | 82 | 52 | 1.1 | 0 | 449 | 91 | 51 | 13 | | 0.1 | | 548 | 436 |
| 6-16-71 | 5050 | | --- | 1070 | 1.95 | 6.74 | 2.26 | 0.03 | | 7.36 | 1.89 | 1.44 | 0.21 | | | | | |
| -- | 5114 | | | | 18 | 61 | 21 | 0 | | 68 | 17 | 13 | 2 | | | | | |
| 11S/04E-21B02 M | | -- | 8.2 | 744 | 71 | 43 | 25 | 1.1 | 0 | 330 | 67 | 26 | 52 | | 0.1 | | 504 | 353 |
| 6-08-71 | 5050 | | --- | 730 | 3.54 | 3.53 | 1.09 | 0.03 | | 5.41 | 1.39 | 0.73 | 0.84 | | | | | |
| -- | 5114 | | | | 43 | 43 | 13 | 1 | | 65 | 16 | 9 | 10 | | | | | |
| SAN BENITO COUNTY 3-03.02 | | | | | | | | | | | | | | | | | | |
| 12S/05E-28L03 M | | 63 | 8.1 | 1620 | 76 | 101 | 171 | 4.7 | 0 | 695 | 239 | 106 | 2.1 | | 1.1 | | 985 | 606 |
| 12-02-70 | 5050 | | 7.2 | 1400 | 3.79 | 8.30 | 7.44 | 0.12 | | 11.40 | 4.97 | 2.99 | 0.03 | | | | | |
| 1415 | 5050 | | | | 19 | 42 | 38 | 1 | | 59 | 26 | 15 | 0 | | | | | |
| 12S/05E-28L03 M | | 63 | 8.2 | 1650 | 70 | 106 | 168 | 4.4 | 0 | 690 | 236 | 107 | 1.8 | | 10.0 | | 1080 | 610 |
| 2-17-71 | 5050 | | 7.3 | 520 | 3.49 | 8.71 | 7.31 | 0.11 | | 11.32 | 4.91 | 3.02 | 0.03 | | | | | |
| -- | 5050 | | | | 18 | 44 | 37 | 1 | | 59 | 25 | 16 | 0 | | | | | |
| 12S/05E-28L03 M | | -- | 7.7 | 1740 | 96 | 102 | 166 | | 0 | 747 | 240 | 128 | 1.0 | | | | 1120 | 659 |
| 8-31-71 | 5050 | | --- | --- | 4.79 | 8.38 | 7.22 | | | 12.25 | 4.99 | 3.61 | 0.02 | | | | | |
| 0820 | 5050 | | | | 24 | 41 | 35 | | | 59 | 24 | 17 | 0 | | | | | |
| 12S/05E-28N01 M | | 63 | 8.2 | 1560 | 68 | 99 | 155 | 5.3 | 0 | 556 | 303 | 103 | 2.6 | | 1.0 | | 975 | 578 |
| 12-02-70 | 5050 | | 7.2 | 1450 | 3.39 | 8.14 | 6.74 | 0.14 | | 9.12 | 6.30 | 2.90 | 0.04 | | | | | |
| 1440 | 5050 | | | | 18 | 44 | 37 | 1 | | 50 | 34 | 16 | 0 | | | | | |
| 12S/05E-28N01 M | | -- | 7.6 | 1780 | 94 | 110 | 174 | | 0 | 603 | 336 | 122 | 26 | | | | 827 | 686 |
| 8-31-71 | 5050 | | --- | --- | 4.69 | 9.04 | 7.57 | | | 9.89 | 6.99 | 3.44 | 0.42 | | | | | |
| 0850 | 5050 | | | | 22 | 42 | 36 | | | 48 | 34 | 16 | 2 | | | | | |
| 12S/05E-28P01 M | | -- | 7.6 | 1520 | 82 | 93 | 144 | | 0 | 633 | 226 | 103 | 4.4 | | | | 982 | 588 |
| 8-31-71 | 5050 | | --- | --- | 4.09 | 7.64 | 6.26 | | | 10.38 | 4.70 | 2.90 | 0.07 | | | | | |
| 0740 | 5050 | | | | 23 | 42 | 35 | | | 58 | 26 | 16 | 0 | | | | | |
| 12S/05E-29J01 M | | 57 | 8.3 | 2520 | 38 | 65.6 | 444 | | 0 | 474 | 378 | 385 | 19 | | | | | 365 |
| 12-02-70 | 5050 | | 7.5 | 2350 | 1.90 | 5.39 | 19.31 | | | 7.77 | 7.86 | 10.86 | 0.31 | | | | | |
| 1515 | 5050 | | | | 7 | 20 | 73 | | | 29 | 29 | 41 | 1 | | | | | |
| 12S/05E-33A01 M | | 52 | 7.8 | 2200 | 92 | 143.2 | 268 | | 0 | 1270 | 165 | 126 | 1.6 | | | | | 819 |
| 12-03-70 | 5050 | | 7.3 | 2000 | 4.59 | 11.77 | 11.66 | | | 20.83 | 3.43 | 3.55 | 0.03 | | | | | |
| 1330 | 5050 | | | | 16 | 42 | 42 | | | 75 | 12 | 13 | 0 | | | | | |

TABLE E-1 (Cont.)

# MINERAL ANALYSES OF GROUND WATER

| State Well Number / Date / Time | Lab / Sampler | Temp. | pH Lab / Field | EC Lab / Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter: F | B | $SiO_2$ | TDS SUM | TH NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAN BENITO COUNTY 3-03.02 (Continued) | | | | | | | | | | | | | | | | | | |
| 12S/05E-33C01 M | | -- | 7.6 | 1360 | 68 | 80 | 132 | | 0 | 575 | 188 | 80 | 0.6 | | | | 895 | 500 |
| 8-31-71 | 5050 | | --- | --- | 3.39 | 6.58 | 5.74 | | | 9.43 | 3.91 | 2.26 | 0.01 | | | | | |
| 0730 | 5050 | | | | 22 | 42 | 36 | | | 60 | 25 | 15 | 0 | | | | | |
| 12S/05E-33D04 M | | 65 | 7.8 | 2050 | 58 | 105 | 278 | | 0 | 677 | 378 | 160 | 16 | | | | | 577 |
| 12-02-70 | 5050 | | 7.8 | 1950 | 2.89 | 8.63 | 12.09 | | | 11.10 | 7.86 | 4.51 | 0.26 | | | | | |
| 0910 | 5050 | | | | 12 | 37 | 51 | | | 47 | 33 | 19 | 1 | | | | | |
| 12S/05E-34N01 M | | 58 | 8.2 | 1130 | 46 | 68.8 | 97 | | 0 | 387 | 206 | 75 | 0.0 | | | | | 398 |
| 12-02-70 | 5050 | | 8.0 | 1100 | 2.30 | 5.66 | 4.22 | | | 6.35 | 4.28 | 2.12 | | | | | | |
| -- | 5050 | | | | 19 | 46 | 35 | | | 50 | 33 | 17 | | | | | | |
| SALINAS VALLEY 3-04.00 | | | | | | | | | | | | | | | | | | |
| PRESSURE AREA 3-04.01 | | | | | | | | | | | | | | | | | | |
| 13S/02E-19J01 M | | -- | 8.3 | 1230 | 89 | 40.8 | 111 | | 0 | 221 | | 307 | 1.6 | | | | | 390 |
| 3-24-71 | 5050 | | --- | --- | 4.44 | 3.35 | 4.83 | | | 3.62 | | 8.66 | 0.03 | | | | | |
| 1035 | 5050 | | | | 35 | 27 | 38 | | | | | | | | | | | |
| 13S/02E-23L01 M | | -- | 8.3 | 662 | 22 | 20.9 | 70 | | 0 | 146 | | 106 | 7.6 | | | | | 141 |
| 3-24-71 | 5050 | | --- | --- | 1.10 | 1.72 | 3.04 | | | 2.39 | | 2.99 | 0.12 | | | | | |
| 1435 | 5050 | | | | 19 | 29 | 52 | | | | | | | | | | | |
| 13S/02E-29F01 M | | 68 | 8.6 | 544 | 36 | 16 | 61 | | 8 | 188 | | 65 | 1.7 | | | | | 146 |
| 8-10-71 | 5050 | | --- | --- | 1.80 | 1.32 | 2.65 | | 0.27 | 3.08 | | 1.83 | 0.03 | | | | | |
| 1355 | 5050 | | | | 31 | 23 | 46 | | | | | | | | | | | |
| 13S/02E-30A01 M | | 71 | 8.5 | 1640 | 116 | 47 | 142 | | 8 | 173 | | 397 | 18 | | | | | 482 |
| 8-10-71 | 5050 | | --- | --- | 5.79 | 3.86 | 6.18 | | 0.27 | 2.84 | | 11.20 | 0.29 | | | | | |
| 1345 | 5050 | | | | 37 | 24 | 39 | | | | | | | | | | | |
| 14S/02E-02C01 M | | 63 | 8.6 | 468 | 50 | 14 | 37 | | 8 | 230 | | 30 | 0.8 | | | | | 181 |
| 8-12-71 | 5050 | | --- | --- | 2.50 | 1.15 | 1.61 | | 0.27 | 3.77 | | 0.85 | 0.01 | | | | | |
| 1025 | 5050 | | | | 47 | 22 | 31 | | | | | | | | | | | |
| 14S/02E-05P02 M | | 74 | 8.5 | 646 | 52 | 16 | 59 | | 8 | 169 | | 70 | 3.5 | | | | | 194 |
| 8-11-71 | 5050 | | --- | --- | 2.59 | 1.32 | 2.57 | | 0.27 | 2.77 | | 1.97 | 0.06 | | | | | |
| 1105 | 5050 | | | | 40 | 20 | 40 | | | | | | | | | | | |
| 14S/02E-14N01 M | | -- | 8.3 | 611 | 48 | 16.8 | 53 | | 0 | 209 | | 63 | 3.7 | | | | | 189 |
| 3-25-71 | 5050 | | --- | --- | 2.40 | 1.38 | 2.31 | | | 3.43 | | 1.78 | 0.06 | | | | | |
| 1455 | 5050 | | | | 39 | 23 | 38 | | | | | | | | | | | |
| 14S/02E-14N01 M | | 64 | 8.1 | 615 | 53 | 18 | 51 | | 0 | 205 | 45 | 72 | 4.1 | | | | | 208 |
| 8-11-71 | 5050 | | --- | --- | 2.64 | 1.48 | 2.22 | | | 3.36 | 0.94 | 2.03 | 0.07 | | | | | |
| 0840 | 5050 | | | | 42 | 23 | 35 | | | 52 | 15 | 32 | 1 | | | | | |
| 14S/02E-22P02 M | | 60 | 8.3 | 619 | 50 | 15.1 | 54 | | 0 | 173 | | 44 | 0.0 | | | | | 187 |
| 3-24-71 | 5050 | | 7.3 | 675 | 2.50 | 1.24 | 2.35 | | | 2.84 | | 1.24 | | | | | | |
| 1450 | 5050 | | | | 41 | 20 | 39 | | | | | | | | | | | |
| 14S/02E-25D01 M | | 62 | 8.3 | 687 | 66 | 19.2 | 54 | | 0 | 192 | | 47 | 1.9 | | | | | 244 |
| 3-24-71 | 5050 | | 7.8 | 720 | 3.29 | 1.58 | 2.35 | | | 3.15 | | 1.33 | 0.03 | | | | | |
| 1545 | 5050 | | | | 45 | 22 | 33 | | | | | | | | | | | |
| 14S/02E-25F01 M | | 58 | 8.2 | 1570 | 124 | 48.9 | 136 | | 0 | 310 | 238 | 250 | 13 | | | | | 511 |
| 3-24-71 | 5050 | | 7.6 | 1550 | 6.19 | 4.02 | 5.92 | | | 5.08 | 4.95 | 7.05 | 0.21 | | | | | |
| 1610 | 5050 | | | | 38 | 25 | 37 | | | 29 | 29 | 41 | 1 | | | | | |
| 14S/02E-26C01 M | | 61 | 8.3 | 912 | 90 | 30.7 | 63 | | 0 | 217 | | 101 | 2.6 | | | | | 351 |
| 3-25-71 | 5050 | | 7.2 | 950 | 4.49 | 2.52 | 2.74 | | | 3.56 | | 2.85 | 0.04 | | | | | |
| 1445 | 5050 | | | | 46 | 26 | 28 | | | | | | | | | | | |
| 14S/02E-26C01 M | | 66 | 8.1 | 729 | 75 | 20 | 52 | | 0 | 198 | | 70 | 2.0 | | | | | 270 |
| 8-11-71 | 5050 | | --- | --- | 3.74 | 1.64 | 2.26 | | | 3.25 | | 1.97 | 0.03 | | | | | |
| 1600 | 5050 | | | | 49 | 21 | 30 | | | | | | | | | | | |
| 15S/02E-02Q01 M | | 66 | 8.1 | 1470 | 176 | 54 | 86 | | 0 | 532 | | 109 | 0.0 | | | | | 660 |
| 8-11-71 | 5050 | | --- | --- | 8.78 | 4.44 | 3.74 | | | 8.72 | | 3.07 | | | | | | |
| 1415 | 5050 | | | | 52 | 26 | 22 | | | | | | | | | | | |
| 15S/02E-12C01 M | | 60 | 8.3 | 940 | 101 | 35.4 | 51 | | 0 | 272 | | 75 | 0.0 | | | | | 398 |
| 3-25-71 | 5050 | | 7.3 | 875 | 5.04 | 2.91 | 2.22 | | | 4.46 | | 2.12 | | | | | | |
| 1040 | 5050 | | | | 49 | 29 | 22 | | | | | | | | | | | |
| 15S/02E-12C01 M | | 68 | 8.2 | 1030 | 119 | 41 | 51 | | 0 | 295 | | 90 | 0.3 | | | | | 468 |
| 8-11-71 | 5050 | | --- | --- | 5.94 | 3.37 | 2.22 | | | 4.84 | | 2.54 | 0.00 | | | | | |
| 1300 | 5050 | | | | 52 | 29 | 19 | | | | | | | | | | | |
| SEASIDE AREA 3-04.08 | | | | | | | | | | | | | | | | | | |
| 14S/01E-24K01 M | | -- | 7.7 | 743 | 49 | 18.6 | 67 | | 0 | 97 | | 122 | 77 | | | | | 199 |
| 10-09-70 | 5050 | | --- | 730 | 2.45 | 1.53 | 2.91 | | | 1.59 | | 3.44 | 1.24 | | | | | |
| 0700 | 5050 | | | | 36 | 22 | 42 | | | | | | | | | | | |

TABLE E-1 (Cont.)

# MINERAL ANALYSES OF GROUND WATER

| State Well Number / Date / Time | Lab / Sampler | Temp. | pH Lab / Field | EC Lab / Field | Mineral Constituents in Milligrams per Liter / Milliequivalents per Liter / Percent Reactance Value: Ca | Mg | Na | K | $CO_3$ | $HCO_3$ | $SO_4$ | Cl | $NO_3$ | Milligrams per Liter: F | B | $SiO_2$ | TDS SUM | TH NCH |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEASIDE AREA 3-04.08 (Continued) | | | | | | | | | | | | | | | | | | |
| 14S/01E-24Q04 M | | -- | 7.3 | 1390 | 71 | 52.7 | 114 | | 0 | 19 | | 226 | 262 | | | | | 394 |
| 10-09-70 | 5050 | | --- | 1350 | 3.54 | 4.33 | 4.96 | | | 0.31 | | 6.37 | 4.22 | | | | | |
| 1000 | 5050 | | | | 27 | 34 | 39 | | | | | | | | | | | |
| 14S/01E-25L01 M | | -- | 7.7 | 472 | 17 | 13.0 | 51 | | 0 | 40 | | 105 | 21 | | | | | 96 |
| 10-09-70 | 5050 | | --- | 460 | 0.85 | 1.07 | 2.22 | | | 0.66 | | 2.96 | 0.34 | | | | | |
| 0730 | 5050 | | | | 20 | 26 | 54 | | | | | | | | | | | |
| 14S/01E-25P01 M | | -- | 7.5 | 602 | 33 | 15.7 | 57 | | 0 | 66 | | 96 | 74 | | | | | 147 |
| 10-09-70 | 5050 | | --- | 590 | 1.65 | 1.29 | 2.48 | | | 1.08 | | 2.71 | 1.19 | | | | | |
| 0900 | 5050 | | | | 30 | 24 | 46 | | | | | | | | | | | |
| 14S/01E-25P02 M | | -- | 7.5 | 550 | 22 | 17.3 | 52 | | 0 | 30 | | 102 | 54 | | | | | 126 |
| 10-09-70 | 5050 | | --- | 530 | 1.10 | 1.42 | 2.26 | | | 0.49 | | 2.88 | 0.87 | | | | | |
| 0840 | 5050 | | | | 23 | 30 | 47 | | | | | | | | | | | |
| MISCELLANEOUS AREA 3-80.00 | | | | | | | | | | | | | | | | | | |
| 19S/01E-08C01 M | | -- | 7.8 | 743 | 34 | 20 | 54 | 0.6 | 0 | 154 | 36 | 74 | 13 | | 0.0 | | 313 | 169 |
| 3-04-71 | 5050 | | --- | --- | 1.70 | 1.64 | 2.35 | 0.02 | | 2.53 | 0.75 | 2.09 | 0.21 | | | | | |
| -- | 5050 | | | | 30 | 29 | 41 | 0 | | 45 | 14 | 37 | 4 | | | | | |

TABLE E-2

TRACE ELEMENT ANALYSES OF GROUND WATER

| State Well Number | Date Sampled | Constituents in Milligrams per Liter | | | | | |
|---|---|---|---|---|---|---|---|
| | | Arsenic | Barium | Cadmium | Lead | Mercury | Selenium |
| SAN FRANCISCO BAY REGION 2-00.00 | | | | | | | |
| SANTA CLARA VALLEY 2-09.00 | | | | | | | |
| EAST BAY AREA 2-09.01 | | | | | | | |
| 04S/01W-27B04M | 6-11-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0004 | 0.01 |
| 04S/01W-27F01M | 6-11-71 | 0.00 | 0.2 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 04S/01W-27K01M | 6-10-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 04S/01W-30E03M | 6-04-71 | 0.00 | 0.3 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 04S/02W-14P02M | 5-26-71 | 0.00 | 0.5 | 0.00 | 0.00 | 0.0000 | 0.01 |
| 04S/03W-13B02M | 5-26-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0001 | 0.00 |
| 05S/01W-01R01M | 5-26-71 | 0.00 | 0.2 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 05S/01W-17A01M | 5-25-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 05S/02W-01N01M | 5-25-71 | 0.00 | 0.2 | 0.00 | 0.00 | 0.0000 | 0.00 |
| SOUTH BAY AREA 2-09.02 | | | | | | | |
| 06S/01E-17G05M | 6-11-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 08S/01E-04M01M | 6-11-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 08S/01E-08P03M | 6-14-71 | 0.00 | 0.0 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 08S/01E-20Q01M | 6-11-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0001 | 0.01 |
| 08S/01E-27C01M | 6-11-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 08S/01E-27G01M | 6-11-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |
| 08S/01E-36M02M | 6-14-71 | 0.00 | 0.1 | 0.00 | 0.00 | 0.0000 | 0.00 |

# Appendix F: WASTE WATER

# INTRODUCTION

This appendix contains data on the volume and location of waste water discharged by 81 cooperating dischargers within the jurisdiction of the California Regional Water Quality Control Board, San Francisco Bay Region, and located in the Central Coastal Area. Data are presented for the period October 1, 1970, through September 30, 1971.

During the 1971 water year, the 81 dischargers released 880 thousand acre-feet of water, or an average of 786 million gallons per day, at 96 disposal plants.

TABLE F-1

QUANTITY OF WASTE WATER DISCHARGED,
CENTRAL COASTAL AREA, 1971 WATER YEAR

| Discharger | Average Discharge Rate (mg/d) | Volume Discharged (acre-feet) | Place of Discharge for Waste Water |
|---|---|---|---|
| Allied Chemical Corporation | | | |
| Nichols Plant | 3.4* | 3,808* | Suisun Bay |
| Richmond Plant | 0.1* | 112* | Castro Creek |
| Alviso, City of | 0.2* | 224* | San Francisco Bay |
| Basalt Rock Company | | | |
| Napa | 0.2* | 224* | Napa River |
| Petaluma | 0.04* | 45* | Petaluma River |
| San Rafael | 0.6* | 672* | San Pablo Strait |
| Benicia, City of | 1.0 | 1,120 | Carquinez Strait |
| Burlingame, City of | 3.0* | 3,360* | San Francisco Bay |
| C & H Sugar Refinery | 25.6 | 28,676 | Carquinez Strait |
| Calistoga, City of | 0.3 | 336 | Napa River |
| Central Contra Costa Sanitary District | 24.1* | 26,995 | Suisun Bay |
| Chevron Chemical Company, Richmond | 0.2 | 224 | San Pablo Bay |
| Colgate Palmolive Company | 0.9* | 1,008* | San Francisco Bay |
| Concord, City of | 5.1 | 5,713 | Walnut Creek |
| Contra Costa County Sanitation District No. 7A | 0.9 | 1,008 | Suisun Bay |
| Crockett-Valona Sanitary District | 0.3 | 336 | Carquinez Strait |
| Dow Chemical Company, Western Division | 24.4* | 27,331* | New York Slough |
| East Bay Municipal Utility District, Special District No. 1 | 84.1 | 94,204 | San Francisco Bay |
| Estero Municipal Improvement District | 1.3* | 1,456* | San Francisco Bay |
| Fairfield-Suisun Sewer District | 4.2 | 4,705 | Suisun Slough |
| Granada Sanitary District | 0.2 | 224 | Pacific Ocean |
| Guadalupe Valley Municipal Improvement District | 0.2* | 224* | Guadalupe Canal |
| Half Moon Bay, City of | 0.3* | 336* | Pacific Ocean |
| Hayward, City of | 11.9 | 13,330 | San Francisco Bay |
| Hercules, Incorporated | 1.6 | 1,792 | San Pablo Bay and Land |
| Humble Oil and Refining Company | 3.4 | 3,808 | Suisun Bay |

TABLE F-1 (Continued)

QUANTITY OF WASTE WATER DISCHARGED,
CENTRAL COASTAL AREA, 1971 WATER YEAR

| Discharger | Average Discharge Rate (mg/d) | Volume Discharged (acre-feet) | Place of Discharge for Waste Water |
|---|---|---|---|
| Las Gallinas Valley Sanitary District | 2.3 | 2,576 | Miller Creek |
| Livermore, City of | 3.2 | 3,584 | Arroya Las Positas |
| Los Altos, City of | 2.3 | 2,576 | Mountain View Slough |
| Marin County Sanitary District No. 1 | 3.4 | 3,808 | Corte Madera Creek |
| Marin County Sanitary District No. 6 | | | |
| Ignacio Plant | 0.7 | 784 | Novato Creek |
| Novato Plant | 2.3 | 2,576 | Novato Creek |
| Martinez, City of | 1.8* | 2,016* | Carquinez Strait |
| McGraw Hill Company | 0.02 | 22 | Pond |
| Menlo Park Sanitary District | 6.0* | 6,721* | West Point Slough |
| Merck & Company, Inc. | 5.1* | 5,713* | San Francisco Bay |
| Mill Valley, City of | 2.3 | 2,576 | Richardson Bay |
| Millbrae, City of | 2.4 | 2,688 | San Francisco Bay |
| Milpitas Sanitary District | 2.9 | 3,248 | Coyote Creek |
| Montara Sanitary District | 0.2 | 224 | Pacific Ocean |
| Mountain View, City of | 7.4 | 8,289 | Mountain View Slough |
| Mountain View Sanitary District | 0.9 | 1,008 | Carquinez Strait |
| Napa County Sanitation District | 5.4 | 6,049 | Napa River |
| North San Mateo County Sanitation District | 4.0 | 4,481 | Pacific Ocean |
| Oro Loma Sanitary District | 13.6 | 15,234 | San Francisco Bay |
| Pacific Union College | 0.2 | 224 | Conn Creek and Land |
| Pacifica, City of | | | |
| Linda Mar Plant | 1.4 | 1,568 | Pacific Ocean |
| Sharp Park Plant | 1.0 | 1,120 | Pacific Ocean |
| Palo Alto, City of | 13.3 | 14,898 | San Francisco Bay |
| Petaluma, City of | 2.7 | 3,024 | Petaluma River |
| Phillips Petroleum Company, Avon Refinery | 14.3 | 16,018 | Suisun Bay |
| Pinole, City of | 0.9 | 1,008 | San Pablo Bay |

TABLE F-1 (Continued)

QUANTITY OF WASTE WATER DISCHARGED,
CENTRAL COASTAL AREA, 1971 WATER YEAR

| Discharger | Average Discharge Rate (mg/d) | Volume Discharged (acre-feet) | Place of Discharge for Waste Water |
|---|---|---|---|
| Pittsburg, City of | | | |
| Camp Stoneman Plant | 0.9 | 1,008 | New York Slough |
| Montezuma Plant | 1.3 | 1,456 | Sacramento River |
| Pleasanton, City of | 1.1* | 1,232* | Land |
| Redwood City, City of ** | 6.5* | 7,281* | Redwood Creek |
| Richardson Bay Sanitary District | 0.2 | 224* | Raccoon Strait |
| Richmond, City of | 8.1 | 9,073 | San Francisco Bay |
| Rodeo Sanitary District | 0.6* | 672* | San Pablo Bay |
| St. Helena, City of | 0.4 | 448 | Napa River |
| San Carlos-Belmont, Cities of ** | 3.3 | 3,696 | Steinberger Slough |
| San Francisco, City and County of | | | |
| Juvenile Court - Log Cabin Ranch School | 0.02 | 22 | Land |
| North Point Plant | 65.5 | 73,369 | San Francisco Bay |
| Richmond-Sunset Plant | 21.0 | 23,523 | Pacific Ocean |
| Southeast Plant | 22.6 | 25,315 | Islais Creek |
| San Francisco International Airport | 0.9* | 1,008* | San Francisco Bay |
| San Jose, City of | 81.0 | 90,731 | Coyote Creek |
| San Leandro, City of | 7.1 | 7,953 | San Francisco Bay |
| San Mateo, City of | 11.8* | 13,218* | San Francisco Bay |
| San Mateo, County of | | | |
| Boys Ranch | 0.005 | 6 | Pond |
| Honor Ranch No. 1 | 0.01 | 11 | Land |
| San Pablo Sanitary District | | | |
| San Pablo Plant | 7.9 | 8,849 | San Pablo Bay |
| Tara Hills Plant | 1.2 | 1,344 | San Pablo Bay |
| San Quentin Prison | 0.6 | 672 | San Francisco Bay |
| San Rafael Sanitation District | | | |
| Main Plant | 2.8 | 3,136 | San Francisco Bay |
| Marin Bay Plant | 0.1 | 112 | San Francisco Bay |
| Sausalito-Marin City Sanitary District | 1.9 | 2,128 | San Francisco Bay |
| Sequoia Refining Corporation | 0.1 | 112 | San Pablo Bay |

TABLE F-1 (Continued)

QUANTITY OF WASTE WATER DISCHARGED,
CENTRAL COASTAL AREA, 1971 WATER YEAR

| Discharger | Average Discharge Rate (mg/d) | Volume Discharged (acre-feet) | Place of Discharge for Waste Water |
|---|---|---|---|
| Shell Chemical Company, Pittsburg Plant | 6.4 | 7,169 | Suisun Bay |
| Shell Oil Company | 4.5* | 5,041* | Carquinez Strait |
| Sonoma Valley Sanitation District | 2.1 | 2,352 | Schell Slough |
| South San Francisco-San Bruno, Cities of | 7.8* | 8,737* | San Francisco Bay |
| Standard Oil Company, Western Operations, Richmond Refinery | 114.0 | 127,696 | San Pablo Bay |
| Stauffer Chemical Company | | | |
| Martinez Plant | 0.1 | 112 | Carquinez Strait |
| Richmond Plant | 1.3* | 1,456* | San Francisco Bay |
| Strategic Consolidated Sewerage Authority ** | 1.9 | 2,128 | San Francisco Bay |
| Sunnyvale, City of | 14.4 | 16,130 | Guadalupe River |
| U. S. Steel Corporation, Pittsburg Plant | 17.8 | 19,938 | New York Slough |
| U. S. Veterans Administration Hospital, Livermore | 0.1 | 112 | Arroyo Valle |
| Union Oil Company, Oleum Refinery | 48.9 | 54,775 | San Pablo Bay |
| Union Sanitary District | | | |
| Newark Plant No. 1 | 5.5 | 6,161 | Newark Slough |
| Irvington Plant No. 2 | 5.1 | 5,713 | Mud Slough |
| Alvarado Plant No. 3 | 2.2 | 2,464 | Alameda Creek |
| United Technology Center | 0.05 | 56 | Land and Pond |
| Vallejo Sanitation and Flood Control District | 6.9 | 7,729 | Carquinez Strait |
| Valley Community Services District | 2.4 | 2,688 | Alamo Canal |
| TOTAL | 785.945 | 880,360 | |

* Estimated

** The City of Redwood City and Cities of San Carlos-Belmont plants combined on August 1, 1971, to form the Strategic Consolidated Sewerage Authority.

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