

Drought In California -- Water-Resources Data For 1977

U.S. GEOLOGICAL SURVEY
Open-File Report 78-613

Prepared in cooperation with the
California Department of
Water Resources



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DROUGHT IN CALIFORNIA--WATER-RESOURCES DATA FOR 1977

By Leonard N. Jorgensen and Verrie F. Pearce

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CONVERSION FACTORS

Factors for converting U.S. customary units to SI metric units are shown to four significant figures. In the text the metric equivalents are shown to the number of significant figures consistent with the values for U.S. customary units.

<u>U.S. customary units</u>	<u>Multiply by</u>	<u>SI metric units</u>
acre-ft (acre-feet)	1.233×10^3	m ³ (cubic meters)
acre-ft (acre-feet)	1.233×10^{-3}	hm ³ (cubic hectometers)
acre-ft/yr (acre-feet per year)	1.233×10^{-3}	hm ³ /yr (cubic hectometers per year)
ft (feet)	3.048×10^{-1}	m (meters)
ft/s (feet per second)	3.048×10^{-1}	m/s meters per second)
ft ³ /s (cubic feet) per second)	2.832×10^{-2}	m ³ /s (cubic meters per second)
mi (miles)	1.609	km (kilometers)
mi ² (square miles)	2.590	km ² (square kilometers)

DROUGHT IN CALIFORNIA

WATER-RESOURCES DATA FOR 1977

By Leonard N. Jorgensen and Verrie F. Pearce

INTRODUCTION

The year 1976 was the third driest of record in California, and 1977 was the driest. Although all areas of the State were affected, the drought was most severe in northern and central California where it was the worst in history. All water-supply sources were affected to some degree in both quantity and quality. In many areas severe mandatory restrictions on the uses of water for domestic, industrial, and irrigation purposes were required. In other areas voluntary conservation measures were sufficient to conserve the greatly reduced water supply. The effect of the 1976-77 drought on the environment and on the welfare of California's people was far reaching and complex.

Large quantities of water-resources data were collected during the 2-year drought by Federal, State, and local agencies, and many reports have been or will be published. The California Department of Water Resources published the following series of comprehensive reports on the drought.

The California Drought Report--1976 (May 1976)
The California Drought--1977--An Update (February 15, 1977)
The Continuing California Drought (August 1977)

In addition, the Comptroller General of the United States issued the report: California Drought of 1976 and 1977--Extent, Damage, and Governmental Response (October 19, 1977).

The purpose of the present report is to document special water-resources data collected in 1977 by the Geological Survey. The data will therefore be available for use before the regular annual report "Water Resources Data for California" is published; however, the regular report will also contain the special data.

The data in this report are separated into five sections. The first section demonstrates the effect of the 2-year drought on streamflow by comparing the mean monthly and yearly flow for the 1977 water year with the median monthly and yearly flow for the period of record at 11 selected streamflow stations in northern California. The headings, which are published in the annual water-resources data report, are included for each station to give supporting data such as the period of record, extremes of discharge, and the drainage area.

A second section contains base-flow measurements made during 1977 at 189 selected sites, many of which are at former gaging-station sites.

A third section tabulates water-quality data for samples taken at low flow at 122 stream sites and at 7 lakes and reservoirs. Some of the sites are locations of active or discontinued stream-gaging stations.

A fourth section shows water levels for wells measured in the period July-September 1977 along the Sacramento River from mile 71 to mile 229. (See fig. 1.) River elevations are also given for 25 sites located by river miles. The purpose of these data is to show the relation of the water table to the river elevation during drought conditions and heavy irrigation demand.

A fifth section shows the effect of tidal action on suspended-sediment concentration at the stream-gaging station on the Sacramento River at Sacramento; the data were collected over three tidal cycles during the period April-August 1977.

Additional data were collected for a comprehensive water-quality assessment of the Russian River and for an intensive synoptic diel study of water quality during extremely low flow on the Sacramento River. These data are not included in this report but will be published later in separate reports covering the individual projects.

This report results from the efforts of many people in the field offices, subdistrict offices, and district office of the California District, Water Resources Division. Those deserving special credit are Addie L. Davis, of the Sacramento Subdistrict, who typed and assembled the report; Lucille Coleman, of the Menlo Park Subdistrict, who compiled the data for her subdistrict; and Shirley J. Kaus, of the District Office, who prepared the index.

STREAMFLOW DATA FOR SELECTED STATIONS

3

SALINAS RIVER BASIN

11152000 ARROYO SECO NEAR SOLEDAD, CA

LOCATION.--Lat 36°16'50", long 121°19'20", in SW¼NE¼ sec.16, T.19 S., R.6 E., Monterey County, on right bank just downstream from bridge, 1.5 mi (2.4 km) downstream from Vaquero Creek, and 10 mi (16 km) south of Soledad.

DRAINAGE AREA.--244 mi² (632 km²).

PERIOD OF RECORD.--November 1901 to current year. Records for water year 1902 incomplete, yearly estimate published in WSP 1315-B.

GAGE.--Water-stage recorder. Datum of gage is 342.20 ft (104.303 m) above mean sea level (Corps of Engineers bench mark). Prior to June 16, 1929, nonrecording gage, and June 16, 1929, to Dec. 2, 1941, water-stage recorder at site 1 mi (1.6 km) upstream at different datum. Dec. 3, 1941, to Sept. 30, 1959, water-stage recorder at datum 2.00 ft (0.610 m) higher. Jan. 30 to Mar. 26, 1969, nonrecording gage at bridge at same datum.

REMARKS.--No regulation or large diversion above station.

AVERAGE DISCHARGE.--76 years, 159 ft³/s (4,503 m³/s), 115,200 acre-ft/yr (142 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,300 ft³/s (801 m³/s) Apr. 3, 1958, gage height, 16.40 ft (4.999 m), present datum, from rating curve extended above 12,000 ft³/s (340 m³/s) on basis of slope-area measurement at gage height 16.30 ft (4.968 m); no flow at times during several years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 562 ft³/s (15.9 m³/s) Jan. 3, gage height, 4.20 ft (1.280 m), no peak above base of 2,500 ft³/s (71 m³/s); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	5.17	16.6	60.2	162	317	261	151	73.6	27.7	6.61	1.09	1.06
1977 MEAN	1.09	3.05	9.60	24.1	12.0	18.5	7.82	4.14	3.38	.06	0	0

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 123
MEAN FOR 1977 WATER YEAR 6.97

SAN LORENZO CREEK BASIN

11181000 SAN LORENZO CREEK AT HAYWARD, CA

LOCATION.--Lat 37°41'11", long 122°03'44", in San Lorenzo Grant, Alameda County, on right bank at bridge on B Street, just outside city limits of Hayward, 0.5 mi (0.8 km) downstream from Crow Creek, and 0.9 mi (1.4 km) downstream from Don Castro Dam.

DRAINAGE AREA.--37.5 mi² (97.1 km²).

PERIOD OF RECORD.--October 1939 to September 1940, October 1946 to current year. Monthly discharge only for some periods, published in WSP 1315-B.

GAGE.--Water-stage recorder and concrete control (control ineffective since 1952 due to gravel fill). Datum of gage is 133.16 ft (40.587 m) above mean sea level. January to September 1940, nonrecording gage on bridge at present site and datum.

REMARKS.--Flow partly regulated by Cull Creek Reservoir beginning in October 1962, capacity, 310 acre-ft (382,000 m³) and Don Castro Reservoir 0.9 mi (1.4 km) upstream beginning in January 1965, capacity, 380 acre-ft (469,000 m³). A few very small diversions above station for irrigation.

AVERAGE DISCHARGE.--32 years, 14.3 ft³/s (0.405 m³/s), 10,360 acre-ft/yr (12.8 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,460 ft³/s (211 m³/s) Oct. 13, 1962, gage height, 19.73 ft (6.014 m) from floodmarks, from rating curve extended above 2,700 ft³/s (76.5 m³/s) on basis of slope-area measurement of maximum flow; maximum gage height, 20.82 ft (6.346 m), from floodmarks, Dec. 22, 1955; no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24 ft³/s (0.68 m³/s) Mar. 15, gage height, 5.36 ft (1.634 m), no peak above base of 350 ft³/s (9.9 m³/s); maximum gage height, 9.75 ft (2.972 m) Jan. 2, backwater from temporary dam and culvert 500 ft (152 m) downstream; no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	0.33	0.83	2.66	19.50	18.39	15.40	7.08	3.45	1.36	0.40	0.23	0.21
1977 MEAN	2.10	.83	.59	.79	1.03	1.17	.29	.22	.04	.45	0	.05

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 8.48
MEAN FOR 1977 WATER YEAR 0.63

STREAMFLOW DATA FOR SELECTED STATIONS

BUENA VISTA LAKE BASIN

11186000 KERN RIVER NEAR KERNVILLE, CA

LOCATION.--Lat 35°56'43", long 118°28'36", unsurveyed, Tulare County, on left bank at Packsaddle Canyon Creek, 30 ft (9 m) upstream from sand trap sluice gates, 100 ft (30 m) downstream from diversion dam, and 13.4 mi (21.6 km) north of Kernville.

DRAINAGE AREA.--846 mi² (2,191 km²).

PERIOD OF RECORD.--January 1912 to current year. Records for water year 1912 incomplete, yearly estimates published in WSP 1315-A. March 1921 to October 1953, records for river and canal published separately; combined flow only, October 1953 to September 1960.

GAGE.--Water-stage recorder on river; water-stage recorder and rectangular concrete-line flume for canal diversion. Altitude of gage is 3,620 ft (1,103 m), from topographic map. Prior to Apr. 1, 1913, at site 1.4 mi (2.3 km) downstream at different datum. Apr. 1 to Sept. 14, 1913, nonrecording gage and Sept. 15, 1913, to Sept. 30, 1967, water-stage recorder, at site 1.2 mi (1.9 km) downstream at different datum.

REMARKS.--Since 1921 Kern River No. 3 Canal diverts up to 630 ft³/s (17.8 m³/s) 100 ft (30 m) upstream from station, from left bank of Kern River for power development; water is returned to river 15 mi (24 km) downstream from station.

COOPERATION.--Gage-height record and 21 discharge measurements for Kern River and gage-height record and 10 discharge measurements for canal furnished by Southern California Edison Co., in connection with a Federal Power Commission Project.

AVERAGE DISCHARGE.--River only: 9 years (water years 1912-20), 790 ft³/s (22.37 m³/s), 571,900 acre-ft/yr (705 km³/yr); 50 years (water years 1921-53, 1961-77), 348 ft³/s (9.855 m³/s), 252,100 acre-ft/yr (311 km³/yr).
Combined river and diversion: 57 years (water years 1921-77), 696 ft³/s (19.71 m³/s), 504,300 acre-ft/yr (622 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 60,000 ft³/s (1,700 m³/s) Dec. 6, 1966, gage height, 22.77 ft (6.940 m) site and datum then in use, from floodmarks, from rating curve extended above 6,000 ft³/s (170 m³/s) on basis of computed flow over dam at gage height 17.55 ft (5.349 m), basic data for computation furnished by Southern California Edison Co., and slope-area measurement of maximum flow; no flow July 31 to Nov. 7, Nov. 12 to Dec. 7, 1924, Jan. 16 to Feb. 7, 1925.
Combined river and diversion: Maximum discharge, 60,000 ft³/s (1,700 m³/s) Dec. 6, 1966; minimum daily, 78 ft³/s (2.21 m³/s) Aug. 30, 31, Sept. 17, 19, 1924.

EXTREMES FOR CURRENT YEAR.--River only: Maximum discharge, 394 ft³/s (11.2 m³/s) June 2, 10, gage height, 4.41 ft (1.344 m); minimum daily, 25 ft³/s (0.71 m³/s) several days in January and February.
Combined river and diversion: Maximum discharge, 887 ft³/s (25.1 m³/s) June 2; minimum daily, 85 ft³/s (2.41 m³/s) Aug. 19.

DISCHARGE, IN CUBIC FEET PER SECOND (COMBINED FLOW OF RIVER AND CANAL)

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	204	215	240	256	351	474	900	1584	1598	717	308	206
1977 MEAN	285	178	147	158	175	181	353	373	575	179	134	107

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 615
MEAN FOR 1977 WATER YEAR 237

TULARE LAKE BASIN

11213500 KINGS RIVER ABOVE NORTH FORK, NEAR TRIMMER, CA

LOCATION.--Lat 36°51'48", long 119°07'24", in NW¹/4NE¹/4 sec.27, T.12 S., R.26 E., Fresno County, on right bank at Rogers Crossing, 0.9 mi (1.4 km) upstream from North Fork, 2.9 mi (4.7 km) south of Balch Camp, and 9.6 mi (15.4 km) southeast of Trimmer.

DRAINAGE AREA.--952 mi² (2,466 km²).

PERIOD OF RECORD.--October 1926 to December 1928, October 1931 to current year. Monthly figures only for some periods, published in WSP 1315-A. Prior to September 1965, published as Kings River above North Fork.

GAGE.--Water-stage recorder. Datum of gage is 1,001.5 ft (305.26 m) above mean sea level (river-profile survey). March 1927 to December 1928, at site 0.5 mi (0.8 km) downstream at different datum. October 1931 to September 1965, on left bank at datum 2.00 ft (0.610 m) higher.

REMARKS.--No diversion or regulation above station. Water-quality data for this station are included in this report.

AVERAGE DISCHARGE.--48 years, 1,394 ft³/s (39.48 m³/s), 1,010,000 acre-ft/yr (1.25 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,100 ft³/s (1,670 m³/s) Dec. 23, 1955, gage height, 18.26 ft (5.566 m) present datum, from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of slope-area measurement of maximum flow; minimum daily, 70 ft³/s (1.98 m³/s) Jan. 14, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,100 ft³/s (116 m³/s) June 9, gage height, 6.59 ft (2.009 m), no peak above base of 6,300 ft³/s (178 m³/s); minimum daily, 76 ft³/s (2.15 m³/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	191	224	338	356	518	805	1783	3882	4288	1492	441	225
1977 MEAN	388	186	112	141	161	195	751	849	1489	298	162	91.3

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 1192
MEAN FOR 1977 WATER YEAR 401

5

11266500 MERCED RIVER AT POHONO BRIDGE, NEAR YOSEMITE, CA

DISCHARGE, IN CUBIC FEET PER SECOND

SACRAMENTO RIVER BASIN

11382000 THOMES CREEK AT PASKENTA, CA

DISCHARGE, IN CUBIC FEET PER SECOND

[illegible]

11413000 NORTH YUBA RIVER BELOW GOODYEARS BAR, CA

DRAINAGE AREA, --250 mi² (648 km²).

PERIOD OF RECORD.--October 1930 to current year. Prior to October 1949, published as North Fork Yuba River below Goodyears Bar. Monthly and yearly discharge only for some periods, published in WSP 1315-A.

GAGE.--Water-stage recorder. Datum of gage is 2,453 ft (747.7 m) above mean sea level (river-profile survey).

REMARKS.--Several small diversions above station for irrigation and mining. Water-quality data for this station are included in this report.

AVERAGE DISCHARGE.--47 years, 742 ft³/s (21.01 m³/s), 537,600 acre-ft/yr (663 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft³/s (1,130 m³/s) Feb. 1, 1963, gage height, 25.8 ft (7.25 m) from floodmarks, from rating curve extended above 8,500 ft³/s (241 m³/s) on basis of one float measurement at 17,900 ft³/s (507 m³/s) and slope-area measurements at gage heights 19.15 ft (5.837 m) and 23.8 ft (7.25 m); minimum daily, 60 ft³/s (1.70 m³/s) Sept. 7-14, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 623 ft³/s (17.6 m³/s) Feb. 21, gage height, 4.04 ft (1.231 m), no peak above base of 3,200 ft³/s (90.6 m³/s); minimum daily, 60 ft³/s (1.70 m³/s) Sept. 7-14.

DISCHARGE, IN CUBIC FEET PER SECOND

[illegible]

11427000 NORTH FORK AMERICAN RIVER AT NORTH FORK DAM, CA

LOCATION. --Lat 38°56'10", long 121°01'22", in SW¼NW¼ sec.31, T.13 N., R.9 E., Placer County, on left bank 50 ft (15 m) upstream from spillway of North Fork Dam, 2 mi (3 km) upstream from Middle Fork, and 4 mi (6 km) north-east of Auburn.

DRAINAGE AREA. -- 342 mi² (886 km²).

PERIOD OF RECORD.--October 1941 to current year.

GAGE.--Water-stage recorder. Datum of gage is 715.0 ft (217.93 m) above mean sea level (levels by Corps of Engineers).

REMARKS. --Minor regulation by Lake Clementine, usable capacity, 12,800 acre-ft (15.8 hm³) formed by North Fork Dam. Storage in Big Reservoir and Lake Valley Reservoir, combined capacity, 10,300 acre-ft (12.7 hm³) above station. Lake Valley Canal (station 11426190) diverts from North Fork of North Fork American River into Bear River basin for power development in powerhouses of Pacific Gas and Electric Co. Combined storage and diversion have small effect on natural flow. Water-quality data for this station are included in this report.

AVERAGE DISCHARGE.--36 years, 801 ft³/s (22.68 m³/s), 580,300 acre-ft/yr (716 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,400 ft³/s (1,850 m³/s) Dec. 23, 1964, gage height, 11.87 ft (3.618 m), from rating curve extended above 24,000 ft³/s (680 m³/s) on basis of computed flow over spillway of dam at gage height 10.22 ft (3.115 m); no flow Aug. 27-30, Sept. 2-11, 1944, Oct. 5, 6, 1963, Nov. 7-10, 1965, caused by operation of valve in North Fork Dan.

EXTREMES FOR CURRENT YEAR:--Maximum discharge, 571 ft³/s (16.2 m³/s) May 27, gage height, 1.09 ft (0.332 m), no peak above base of 4,300 ft³/s (122 m³/s); minimum daily, 12 ft³/s (0.34 m³/s) on many days during August and September.

DISCHARGE, IN CUBIC FEET PER SECOND

[illegible]

STREAMFLOW DATA FOR SELECTED STATIONS

7

EEL RIVER BASIN

11477000 EEL RIVER AT SCOTIA, CA

LOCATION.--Lat 40°29'30", long 124°05'55", in SW¼ sec.5, T.1 N., R.1 E., Humboldt County, near center of span in left pier of bridge on U.S. Highway 101, 0.5 mi (0.8 km) north of Scotia, and 6 mi (10 km) upstream from Van Duzen River.

DRAINAGE AREA.--3,113 mi² (8,063 km²).

PERIOD OF RECORD.--October 1910 to current year. Monthly discharge only for some periods and yearly estimates for 1915-16, published in WSP 1315-B.

GAGE.--Water-stage recorder. Datum of gage is 35.50 ft (10.820 m) above mean sea level. Prior to Dec. 12, 1940, nonrecording gage at same site and datum.

REMARKS.--Flow slightly regulated by Lake Pillsbury (station 11470000) 138 mi (222 km) upstream and by diversion through Potter Valley powerhouse (station 11471000). Water-quality data for this station are included in this report.

AVERAGE DISCHARGE.--67 years, 7,272 ft³/s (205.9 m³/s), 5,269,000 acre-ft/yr (6.50 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 752,000 ft³/s (21,300 m³/s) Dec. 23, 1964, gage height, 72.0 ft (21.95 m) from floodmarks, from rating curve extended above 220,000 ft³/s (6,230 m³/s) on basis of maximum flow at upstream stations; minimum observed, 10 ft³/s (0.28 m³/s) Aug. 12-14, 1924.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,790 ft³/s (164 m³/s) Mar. 10, gage height, 12.71 ft. (3.874 m), no peak above base of 72,000 ft³/s (2,040 m³/s); minimum daily, 25 ft³/s (0.71 m³/s) Aug. 18-21.

DISCHARGE, IN CUBIC FEET PER SECOND

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	197	1853	8839	15350	15500	12140	7469	2940	948	304	137	113
1977 MEAN	112	261	168	659	959	2600	848	623	255	65.9	30.4	187

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 6347
MEAN FOR 1977 WATER YEAR 563

KLAMATH RIVER BASIN

11522500 SALMON RIVER AT SOMES BAR, CA

LOCATION.--Lat 41°22'40", long 123°28'35", in NE¼ sec.3, T.11 N., R.6 E., Siskiyou County, Klamath National Forest, on left bank at Somes Bar, 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--751 mi² (1,945 km²).

PERIOD OF RECORD.--September 1911 to September 1915, October 1927 to current year. Monthly discharge only for some periods, published in WSP 1315-B.

GAGE.--Water-stage recorder. Datum of gage is 482.97 ft (147.209 m) above mean sea level. Prior to October 1927, nonrecording gage at different datum, October 1927 to Dec. 22, 1964, water-stage recorder at site 0.5 mi (0.8 km) upstream at datum 6.54 ft (1.993 m) higher.

REMARKS.--No storage or large diversion above station.

AVERAGE DISCHARGE.--54 years, 1,800 ft³/s (50.98 m³/s), 1,304,000 acre-ft/yr (1.61 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 133,000 ft³/s (3,770 m³/s) Dec. 22, 1964, gage height, 46.6 ft (14.20 m) present site and datum, from floodmarks, from rating curve extended above 33,000 ft³/s (935 m³/s); minimum, 70 ft³/s (1.98 m³/s) Aug. 25, Sept. 4, 5, 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,810 ft³/s (51.3 m³/s) Sept. 29, gage height, 5.23 ft (1.594 m), no peak above base of 10,000 ft³/s (283 m³/s); minimum daily, 80 ft³/s (2.27 m³/s) Sept. 11-15.

DISCHARGE, IN CUBIC FEET PER SECOND

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	234	660	1384	2177	2570	2472	3191	3176	1694	497	234	191
1977 MEAN	191	219	187	218	255	488	710	786	603	152	97.5	206

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 1650
MEAN FOR 1977 WATER YEAR 339

STREAMFLOW DATA FOR SELECTED STATIONS

SMITH RIVER BASIN

11532500 SMITH RIVER NEAR CRESCENT CITY, CA

LOCATION.--Lat 41°47'22", long 124°03'14", in SW¼SW¼ sec.10, T.16 N., R.1 E. (unsurveyed), Del Norte County, Six Rivers National Forest, on left bank 0.5 mi (0.8 km) downstream from South Fork, and 8 mi (13 km) east of Crescent City.

DRAINAGE AREA.--609 mi² (1,577 km²).

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only for some periods, published in WSP 1315-B.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 89.61 ft (27.313 m) above mean sea level.

REMARKS.--No regulation or diversion above station.

AVERAGE DISCHARGE.--46 years, 3,809 ft³/s (107.9 m³/s), 2,760,000 acre-ft/yr (3.40 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228,000 ft³/s (6,460 m³/s) Dec. 22, 1964, gage height, 48.5 ft (14.78 m) from floodmarks, from rating curve extended above 110,000 ft³/s (3,120 m³/s) on basis of slope-area measurement at gage height 39.51 ft (12.043 m); minimum daily, 160 ft³/s (4.53 m³/s) Oct. 24, 25, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,800 ft³/s (447 m³/s) Sept. 28, gage height, 17.77 ft (5.416 m), no peak above base of 36,000 ft³/s (1,020 m³/s); minimum daily, 189 ft³/s (5.35 m³/s) Sept. 13-15.

DISCHARGE, IN CUBIC FEET PER SECOND

MONTH	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP
MEDIAN	540	3797	6173	7538	6586	5848	4173	2450	987	451	311	273
1977 MEAN	244	388	264	767	1076	3539	1406	1801	693	349	258	909

WATER-YEAR MEDIAN FOR PERIOD OF RECORD 3785
MEAN FOR 1977 WATER YEAR 975

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Eagle Lake basin						
*10359250	Pine Creek near Westwood, CA	Lat 40°34'26", long 121°06'18", in NE¼SW¼ sec.5, T.31 N., R.8 E., Lassen County, 1.3 mi (2.1 km) southwest of Bogard Guard Station and 19 mi (31 km) north of Westwood.	24.8	1951-61t, 1964, 1967-75a, 1976-77	6-29-77 8-1-77 9-14-77 10-18-77	0 0 0 0
Pyramid and Winnemucca Lake basins						
10336693	Wood Creek near Crystal Bay, NV	Lat 39°15'40", long 119°57'25", in SE¼SE¼ sec.9, T.16 N., R.18 E., Washoe County, at culvert on State Highway 27 and 3.5 mi (5.6 km) northeast of Crystal Bay, NV.	1.70	1967-74a, 1975-77	2-15-77 5-19-77	b 1.26 b 1.01
10336760	Edgewood Creek at Stateline, NV	Lat 38°58'00", long 119°56'10", in NE¼NE¼ sec.27, T.13 N., R.18 E., Douglas County, on upstream side of culvert on U.S. High- way 50 and 0.5 mi (0.8 km) northeast of Stateline.	5.58	1967-74c, 1975-77	10-4-76 1-6-77 3-3-77 5-9-77 8-9-77 10-13-77	b 1.76 b 2.34 b 2.01 b 4.83 b 1.59 b 1.98
Little Sur River basin						
11143020	Little Sur River near Point Sur, CA	Lat 36°19'57", long 121°53'03", in SE¼ sec.29, T.18 S., R.1 E., Monterey County, at bridge on State Highway 1, 0.5 mi (0.8 km) upstream from mouth, and 2.0 mi (3.2 km) northeast of Point Sur.	39.9	1977d	6-29-77 8-10-77 9-7-77	b 1.71 b .82 b .57
Garrapata Creek basin						
11143045	Garrapata Creek below Joshua Creek, near Notleys Landing, CA	Lat 36°24'57", long 121°54'20", in NE¼NW¼ sec.31, T.17 S., R.1 E., Monterey County, 350 ft (107 m) downstream from Joshua Creek, 0.8 mi (1.3 km) upstream from State Highway 1, 0.9 mi (1.4 km) upstream from mouth, and 1.3 mi (2.1 km) northwest of Notleys Landing.	10.4	1977	6-29-77 9-7-77	b 0.66 b .22
11143046	Garrapata Creek at State High- way 1, near Notleys Landing, CA	Lat 36°25'02", long 121°54'45", in San Jose Y Sur Chiquito Grant, Monterey County, at bridge on State Highway 1, 800 ft (244 m) upstream from mouth, and 1.5 mi (2.4 km) northwest of Notleys Landing.	10.6	1977d	8-10-77	b 0.37
San Jose Creek basin						
11143100	San Jose Creek near Carnel, CA	Lat 36°31'23", long 121°55'31", in San Jose Y Sur Chiquito Grant, Monterey County, at bridge on State Highway 1, 0.2 mi (0.3 km) upstream from mouth, and 2.3 mi (3.7 km) south of Carnel Post Office.	14.2	1977	6-7-77 6-29-77 8-10-77 9-7-77 10-6-77	0 0 0 0 0
Salinas River basin						
11147010	Jack Creek at mouth, near Templeton, CA	Lat 35°32'57", long 120°47'35", in Paso de Robles Grant, San Luis Obispo County, 200 ft (61 m) upstream from mouth and 5.0 mi (8.0 km) west of Templeton.	26.8	1977	5-3-77 6-7-77 8-14-77 9-9-77 10-6-77	0 0 0 0 0
11147055	Paso Robles Creek at York Mountain Road, near Temple- ton, CA	Lat 35°32'55", long 120°47'30", in Paso de Robles Grant, San Luis Obispo County, at old York Moun- tain Road bridge, 250 ft (76 m) downstream from Jack Creek, and 4.9 mi (7.9 km) west of Templeton.	30.6	1977	5-3-77 6-7-77 8-4-77 9-9-77 10-6-77	0 0 0 0 0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Salinas River basin--Continued						
11147090	Paso Robles Creek nr Templeton, CA	Lat 35°32'15", long 120°43'33", in Paso de Robles Grant, San Luis Obispo County, 250 ft (76 m) downstream from Cayucos Road, 1.4 mi (2.3 km) southwest of Templeton, and 1.8 mi (2.9 km) upstream from mouth.	65.8	1977	5-2-77 6-8-77 8-4-77 9-9-77 10-6-77	0 0 0 0 0
Pajaro River basin						
11159150	Corralitos Creek near Corralitos, CA	Lat 37°00'20", long 121°48'25", in Los Corralitos Grant, Santa Cruz County, 0.5 mi (0.8 km) down- stream from Mornan Gulch, 1.2 mi (1.9 km) upstream from Corralitos, and 7 mi (11 km) northwest of Watsonville.	10.6	1958-72†, 1977d	6-29-77 8-19-77 9-14-77	b 1.66 b 1.29 b 1.29
11159500	Pajaro River at Watsonville, CA	Lat 36°54'19", long 121°45'01", in Bolsa del Pajaro Grant, Santa Cruz County, at bridge on State Highway 1 in Watson- ville and 5 mi (8 km) upstream from mouth.	1,273	1912-13†, 1972-73†, 1977d	6-29-77 8-19-77 9-12-77	b 0.08 b .02 b .02
Aptos Creek basin						
11159700	Aptos Creek at Aptos, CA	Lat 36°58'33", long 121°54'05", in Aptos Grant, Santa Cruz County, at Aptos 0.6 mi (1.0 km) upstream from mouth.	12.3	1959-72†, 1977d	7-6-77 8-25-77 9-12-77	b 0.46 b .40 b .32
Soquel Creek basin						
11159800	West Branch Soquel Creek near Soquel, CA	Lat 37°03'03", long 121°56'17", in NW¼ sec.23, T.10 S., R.1 W., Santa Cruz County, 0.5 mi (0.8 km) upstream from mouth and 4.5 mi (7.2 km) north of Soquel.	12.2	1959-72†, 1977d	6-29-77 8-25-77 9-13-77	b 0.70 b .73 b .40
11159940	Soquel Creek near Soquel, CA	Lat 37°02'02", long 121°56'35", in NW¼ sec.26, T.10 S., R.1 W., Santa Cruz County, 30 ft (9 m) downstream from private road bridge, 1.1 mi (1.8 km) downstream from West Branch, and 3.4 mi (5.5 km) north of town of Soquel.	32.0	1969-72†, 1977	6-29-77 8-25-77	b 0.72 b .34
Rodeo Creek basin						
11160005	Rodeo Creek at Soquel, CA	Lat 36°59'16", long 121°58'09", in SE¼ sec.9, T.11 S., R.1 W., Santa Cruz County, at Soquel Avenue bridge, 0.7 mi (1.2 km) west of Soquel, and 2.2 mi (3.5 km) upstream from mouth.	1.86	1977	7-6-77 8-25-77 9-12-77	0 0 0
San Lorenzo River basin						
11161500	Branciforte Creek at Santa Cruz, CA	Lat 36°59'10", long 122°00'48", in NE¼SW¼ sec.7, T.11 S., R.1 W., Santa Cruz County, in Santa Cruz, 15 ft (5 m) downstream from Market Street bridge, and 1.0 mi (1.6 km) upstream from mouth.	17.3	1940-43†, 1952-68†, 1974-75, 1977d	6-30-77 8-26-77 9-12-77	b 0.86 b 1.08 b .83
Majors Creek basin						
11161570	Majors Creek near Santa Cruz, CA	Lat 36°59'55", long 122°07'13", in Refugio Grant, Santa Cruz County, 1.5 mi (2.4 km) down- stream from small left-bank tributary, 1.7 mi (2.7 km) upstream from State Highway 1, and 5.5 mi (8.8 km) northwest of Santa Cruz Post Office.	3.77	1970-76†, 1977d	7-18-77 8-18-77 9-12-77	b 0.86 b .76 b .68
Laguna Creek basin						
11161590	Laguna Creek near Davenport, CA	Lat 37°01'32", long 122°07'48", in SW¼SW¼ sec.30, T.10 S., R.2 W., Santa Cruz County, 0.2 mi (0.3 km) upstream from Reggiardo Creek, 0.4 mi (0.6 km) downstream from small left-bank tributary, and 3.6 mi (5.8 km) northwest of Davenport.	3.07	1970-76†, 1977d	7-18-77 8-18-77 9-12-77	b 0.25 b .14 b .15

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

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Station No.	Station name	Drainage area (mi ²)	Period of record	Measurements	
				Date	Discharge (ft ³ /s)
Scott Creek basin					
11161900	Scott Creek above Little Creek, near Davenport, CA	Lat 37°03'51", long 122°13'42", in Agua Puerco y Las Trancas Grant, Santa Cruz County, 600 ft (183 m) upstream from Little Creek, 2.0 mi (3.2 km) upstream from mouth, and 4.2 mi (6.8 km) north of Davenport.	25.1	1959-73†, 1977	6-30-77 b 0.16 8-26-77 0 9-12-77 0
11162000	Scott Creek near Davenport, CA	Lat 37°03'35", long 122°13'40", in Agua Puerca y Las Trancas Grant, Santa Cruz County, about 1,000 ft (300 m) downstream from Little Creek, and 3.5 mi (5.6 km) northwest of Davenport.	27.3	1937†, 1939-41†, 1977	6-30-77 0 8-26-77 0 9-12-77 0
Waddell Creek basin					
11162210	Waddell Creek near Davenport, CA	Lat 37°06'21", long 122°16'18", in NW¼SW¼ sec.35, T.9 S., R.4 W., Santa Cruz County, 0.9 mi (1.4 km) upstream from State Highway 1, 1.1 mi (1.8 km) upstream from mouth, and 7.9 mi (12.7 km) north- west of Davenport.	23.3	1977	7-8-77 0 8-29-77 0 9-13-77 0
Pescadero Creek basin					
11162540	Butano Creek near Pescadero, CA	Lat 37°14'01", long 122°21'56", in Butano Grant, San Mateo County, 0.2 mi (0.3 km) downstream from small right-bank tributary, and 1.7 mi (2.7 km) southeast of Pescadero.	18.3	1957, 1959-62a, 1962-74†, 1977	7-7-77 b 0.02 8-29-77 0 9-13-77 b .02
Pomponio Creek basin					
11162550	Pomponio Creek near San Gregorio, CA	Lat 37°18'00", long 122°24'13", in San Gregorio Grant, San Mateo County, at bridge on State High- way 1, 0.2 mi (0.3 km) upstream from mouth, and 2.1 mi (3.4 km) southwest of San Gregorio.	6.85	1977	7-8-77 b 0.01 8-29-77 0 9-13-77 0
Purisima Creek basin					
11162600	Purisima Creek near Half Moon Bay, CA	Lat 37°26'06", long 122°22'23", in Canada de Verde y Arroyo de la Purisima Grant, San Mateo County, 15 ft (5 m) downstream from county road bridge, 3.6 mi (5.8 km) southeast of Half Moon Bay, and 4.0 mi (6.4 km) upstream from mouth.	4.83	1959-69†, 1977d	7-8-77 b 0.26 8-29-77 b .21 9-13-77 b .15
Frenchmans Creek basin					
11162635	Frenchmans Creek near Half Moon Bay, CA	Lat 37°29'00", long 122°26'42", in Corral de Tierra (Vasquez) Grant, San Mateo County, at bridge on State Highway 1, 0.4 mi (0.6 km) upstream from mouth, and 1.7 mi (2.7 km) northwest of town of Half Moon Bay.	4.17	1977	7-8-77 0 8-29-77 0 9-13-77 0
Denniston Creek basin					
11162640	Denniston Creek at El Granada, CA	Lat 37°30'35", long 122°29'13", in Corral de Tierra (Palonares) Grant, San Mateo County, at bridge on State Highway 1, 0.5 mi (0.8 km) upstream from mouth, and 0.9 mi (1.4 km) north- west of El Granada.	3.67	1977	7-8-77 0 8-29-77 0 9-13-77 0
San Vicente Creek basin (San Mateo County)					
11162645	San Vicente Creek at Moss Beach, CA	Lat 37°31'24", long 122°30'15", in Corral de Tierra (Palonares) Grant, San Mateo County, 0.2 mi (0.3 km) upstream from State Highway 1, 0.5 mi (0.8 km) southeast of town of Moss Beach.	1.60	1977	7-8-77 0 8-29-77 0 9-13-77 0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
San Pedro Creek basin						
11162655	San Pedro Creek at Pacifica, CA	Lat 37°35'30", long 122°30'07", in San Pedro (Sanchez) Grant, San Mateo County, at Pacifica, 0.3 mi (0.5 km) upstream from State Highway 1, 0.4 mi (0.6 km) upstream from mouth.	7.08	1977d	7-8-77 8-29-77 9-13-77	b 0.81 b .52 b .49
Buena Vista Lake basin						
*11185300	Golden Trout Creek near Cartago, CA	Lat 36°22'30", long 118°17'16", in NW¼SW¼ sec.10, T.18 S., R.34 E., Tulare County, 0.5 mi (0.8 km) upstream from Tunnel Ranger Station, and 15 mi (24 km) west of Cartago.	23.6	1956-67†, 1969†, 1970-75e, 1976-77	7-20-77 9-8-77 10-13-77	b 4.83 b 4.37 b 4.76
*11185350	Kern River near Quaking Aspen Camp, CA	Lat 36°08'04", long 118°25'49", in SW¼SW¼ sec.32, T.20 R.33 E., Tulare County, Sequoia National Forest, 0.4 mi (0.6 km) upstream from Little Kern River, and 6.8 mi (10.9 km) east of Quaking Aspen Camp.	530	1960-74†, 1975e, 1976-77	7-20-77 9-8-77 10-13-77	b 149 b 102 b 99.4
*11185400	Little Kern River near Quaking Aspen Camp, CA	Lat 36°08'05", long 118°26'10", in SE¼SE¼ sec.31, T.20 S., R.33 E., Tulare County, 600 ft (183 m) upstream from mouth and 5 mi (8 km) east of Quaking Aspen Camp.	132	1957-69†, 1970-75e, 1976-77	7-20-77 9-8-77 10-13-77	b 5.69 b 4.08 b 5.57
*11188200	South Fork Kern River near Olancho, CA	Lat 36°10'57", long 118°07'40", in NW¼SW¼ sec.18, T.20 S., R.36 E., Tulare County, 2.0 mi (3.2 km) downstream from Snake Creek and 9.7 mi (15.6 km) south- west of Olancho.	146	1956-67†, 1969†, 1970-75e, 1976-77	7-20-77 9-8-77 10-13-77	b 0.88 b .68 b 3.82
11189700	Kelso Creek near Weldon, CA	Lat 35°34'10", long 118°15'05", in NW¼ sec.20, T.27 S., R.35 E., Kern County, 0.5 mi (0.8 km) upstream from Woolstaff Creek, and 7 mi (11 km) southeast of Weldon.	101	1958-66†, 1968-75e, 1976-77	6-16-77 8-4-77 9-9-77 10-7-77	b 0.98 b .69 b .69 b 1.12
Tulare Lake basin						
11209500	North Fork Kaweah River at Kaweah, CA	Lat 36°29'25", long 118°55'12", in SE¼ sec.34, T.16 S., R.28 E., Tulare County, 1.2 mi (1.9 km) upstream from Manniken Creek and 1.5 mi (2.4 km) north of town of Kaweah.	129	1919-60†, 1963-67e, 1977	6-23-77 8-30-77 10-18-77	11.1 b 1.55 b 2.13
11212320	Copper Creek near Cedar Grove, CA ^{1/}	Lat 36°47'56", long 118°34'47", unsurveyed, Fresno County, Kings Canyon National Park, 0.5 mi (0.8 km) upstream from South Fork Kings River and 5.0 mi (8.0 km) east of Cedar Grove.	7.24	1965-68e, 1970-75e, 1976-77	6-22-77 9-16-77 10-14-77	0 0 0
11212430	Sheep Creek at Cedar Grove, CA	Lat 36°47'08", long 118°40'34", unsurveyed, Fresno County, Kings Canyon National Park, 0.4 mi (0.6 km) southwest of Cedar Grove, and 0.7 mi (1.1 km) upstream from South Fork Kings River.	7.62	1965-68e, 1970-75e, 1976-77	6-22-77 9-16-77 10-14-77	b 0.84 b .50 b .50
11212440	Lewis Creek near Cedar Grove, CA	Lat 36°48'14", long 118°41'29", unsurveyed, Fresno County, Kings Canyon National Park, 0.3 mi (0.5 km) upstream from South Fork Kings River and 1.5 mi (2.4 km) northwest of Cedar Grove.	16.4	1965-68e, 1970-75e, 1976-77	6-22-77 9-16-77 10-14-77	b 8.02 b 1.18 b 1.20

See footnotes at end of table.

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Tulare Lake basin (continued)						
11212500	South Fork Kings River near Cedar Grove, CA	Lat 36°48'11", long 118°44'52", unsurveyed, Sequoia National Forest, Fresno County, 0.3 mi (0.5 kn) downstream from Grizzly Creek, and 4.5 mi (7.2 kn) west of Cedar Grove.	408	1950-57†, 1959-61e, 1963-66e, 1968e, 1970-75e, 1976-77	6-22-77 9-16-77 10-14-77	b 416 b 44.4 b 69.4
11213000	Kings River near Hume, CA	Lat 36°50'38", long 118°53'36", unsurveyed, Fresno County, Sierra National Forest, 0.9 mi (1.4 kn) downstream from Ten Mile Creek and 3.8 mi (6.1 kn) north of Hume.	835	1921-36†, 1951-58†, 1959e, 1977	6-22-77 9-16-77 10-14-77	830 b 89.7 b 116
11216800	Rock Creek at Dinkey Creek, CA	Lat 37°05'24", long 119°09'39", in NE¼SW¼ sec.5, T.10 S., R.26 E., Fresno County, 0.4 mi (0.6 kn) northwest of town of Dinkey Creek, and 0.5 mi (0.8 kn) upstream from mouth.	7.60	1961-70†, 1971-75e, 1976-77	6-2-77 6-21-77 8-30-77 9-22-77 10-5-77	b 4.87 b 2.15 b .03 b .02 b .04
11217100	Dinkey Creek above Bear Creek, near Shaver Lake, CA	Lat 37°02'16", long 119°08'32", in NE¼NW¼ sec.28, T.10 S., R.26 E., Fresno County, Sierra National Forest, 600 ft (183 m) upstream from Bear Creek and 11.1 mi (17.9 kn) southeast of Shaver Lake.	51.2	1977	7-14-77 10-12-77	b 3.45 b .83
11217500	Deer Creek below East Fork, near Shaver Lake, CA	Lat 37°00'19", long 119°03'48", in SE¼NE¼ sec.6, T.11 S., R.27 E., Fresno County, Sierra National Forest, 200 ft (61 m) downstream from East Fork Deer Creek, 7.5 mi (12.1 kn) southeast of town of Dinkey Creek, and 16.0 mi (25.7 kn) southeast of Shaver Lake.	19.0	1923-35†, 1977	6-1-77 9-22-77 10-5-77	14.7 b .46 b .59
11218000	Dinkey Creek at mouth, near Trimmer, CA	Lat 36°54'35", long 119°07'39", in SE¼SW¼ sec.3, T.12 S., R.26 E., Fresno County, 0.5 mi (0.8 kn) upstream from mouth and 0.5 mi (0.8 kn) northwest of Balch Camp.	132	1920-37†, 1959d, 1961-68e, 1970-75e, 1977	6-20-77 8-29-77 10-20-77	55.2 b 6.84 b 3.22
*11220000	Big Creek above Pine Flat Lake, near Trimmer, CA	Lat 36°54'59", long 119°14'37", in SE¼NE¼ sec.4, T.12 S., R.25 E., Fresno County, 2.4 mi (3.9 kn) upstream from mouth and 2.7 mi (4.3 kn) northeast of Trimmer.	70.0	1953-73†, 1974-76a, 1977	6-20-77 8-17-77 10-20-77e	1.16 0 0
San Joaquin River basin						
11264700	Porcupine Creek at Porcupine Flat Campground, near Yosemite Village, CA	Lat 37°48'19", long 119°33'36", in NE¼SW¼ sec.33, T.1 S., R.22 E., Mariposa County, in Yosemite National Park, at Porcupine Flat Campground, 1,500 ft (457 m) downstream from high- way bridge, and 4.1 mi (6.6 kn) northeast of Yosemite Village.	3.60	1970-77d	6-23-77 8-17-77 9-29-77 10-19-77	b 2.05 0 0 0
11265000	Tenaya Creek near Yosemite, CA	Lat 37°44'32", long 119°33'25", unsurveyed, Mariposa County, in Yosemite National Park, at bridge 0.7 mi (1.1 kn) upstream from mouth and 1.7 mi (2.7 kn) east of Yosemite National Park.	46.9	1904-9†, 1912-58†, 1961e, 1966-71e, 1974-75, 1977	8-16-77 9-20-77 10-27-77	b 1.56 b 1.10 b 1.41
11265700	Yosemite Creek at Yosemite Creek Campground, near Yosemite Village, CA	Lat 37°49'43", long 119°35'31", in SW¼NE¼ sec.30, T.1 S., R.22 E., Mariposa County, in Yosemite National Park, at Yosemite Creek Campground, 5.6 mi (9.0 kn) north of Yosemite Village.	18.5	1970-76, 1977d	6-23-77 8-17-77 9-29-77 10-19-77	8.06 0 0 0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
		San Joaquin River basin--Continued				
11266000	Yosonite Creek at Yosonite, CA	Lat 37°44'45", long 119°35'40", unsurveyed, Mariposa County, in Yosonite National Park, 0.3 mi (0.5 kn) upstream from nouth, and 0.7 mi (1.1 kn) west of Yosonite National Park Headquarters.	42.7	1904-9†, 1912-26†, 1960e, 1966-69e, 1971-75e, 1976-77	8-17-77 9-20-77 10-20-77 0 0 0	0 0 0
11266600	Cascade Creek near El Portal, CA	Lat 37°44'31", long 119°42'09", in NW¼SW¼ sec.19, T.2 S., R.21 E., Mariposa County, in Yosonite National Park, 200 ft (61 n) upstream from unnamed tributary, 6.2 mi (10.0 kn) northeast of El Portal, and 6.5 mi (10.5 kn) west of Yosonite Village.	10.3	1971-77	6-22-77 8-17-77 9-29-77 10-19-77	b 4.45 b .04 b .11 0
11266700	Tanarack Creek at Tanarack Flat Campground, near El Portal, CA	Lat 37°45'03", long 119°44'03", in NE¼NW¼ sec.23, T.2 S., R.20 E., Mariposa County, in Yosonite National Park, at culvert on Big Oak Flat Road at Tanarack Flat Campground, 5.7 mi (9.2 kn) northeast of El Portal, and 8.2 mi (13.2 kn) west of Yosonite Village.	4.31	1970-76 1977d	6-23-77 8-17-77 9-29-77 10-19-77	b 0.88 b .04 b .03 b .03
11266800	Wildcat Creek near El Portal, CA	Lat 37°43'31", long 119°43'03", in SE¼SW¼ sec.25, T.2 S., R.20 E., Mariposa County, in Yosonite National Park, upstream from highway bridge, and 4.9 mi (7.9 kn) northeast of El Portal.	1.24	1971-77	6-22-77 8-16-77 9-28-77 10-19-77	b 0.03 0 0 0
11266900	Crane Creek above diversion dan, near El Portal, CA	Lat 37°42'36", long 119°45'13", in SE¼SW¼ sec.34, T.2 S., R.20 E., Mariposa County, in Yosonite National Park, 40 ft (12 n) upstream from head of diversion ditch and 2.8 mi (4.5 kn) northeast of El Portal.	8.10	1964-70e, 1971-77	6-22-77 8-17-77 9-28-77 10-19-77	b 0.62 b .10 b .10 b .06
11267000	Little Crane Creek near El Portal, CA	Lat 37°43'15", long 119°46'58", in NW¼NE¼ sec.32, T.2 S., R.20 E., Mariposa County, Stanislaus National Forest, on left bank 80 ft (24 n) upstream from Little Nellie Falls and 3.2 mi (5.1 kn) north of El Portal.	1.31	1971-73, 1975-77	6-24-77 8-16-77 9-28-77 10-19-77	b 0.13 b .01 b .01 b .02
11267100	Moss Creek near El Portal, CA	Lat 37°43'57", long 119°49'39", in SE¼NW¼ sec.25, T.2 S., R.19 E., Mariposa County, in Stanislaus National Forest, 120 ft (37 n) downstream from road crossing, 300 ft (91 n) downstream from unnamed tributary, and 4.7 mi (7.6 kn) northwest of El Portal.	4.45	1971-77	6-24-77 8-16-77 9-28-77 10-19-77	b 0.25 b .01 0 0
11267300	South Fork Merced River at Wawona, CA	Lat 37°32'20", long 119°39'40", in SW¼ sec.34, T.4 S., R.21 E., Mariposa County, in Yosonite National Park, 1,000 ft (305 n) downstream from highway bridge at Wawona, and 1,200 ft (366 n) upstream from Big Creek.	100	1958-68†, 1969-71e, 1974-75e, 1976-77	8-4-77 9-1-77 10-17-77	b 1.64 b 1.22 b 1.25
11279400	Smoky Jack Creek at Smoky Jack Camp- ground, near Yosonite Village, CA	Lat 37°49'00", long 119°42'41", in NW¼NW¼ sec.31, T.1 S., R.21 E., Tuolumne County, in Yosonite National Park, 12 ft (4 n) downstream from culvert on Tioga Road, 8.5 mi (13.7 kn) northeast of Yosonite Village, and 10.6 mi (17.1 kn) northeast of El Portal.	4.15	1970-77d	6-23-77 8-17-77 9-29-77 10-19-77	b 1.09 b .04 b .25 0
11285200	Hunter Creek near Tuolumne, CA	Lat 37°55'43", long 120°08'42", in SW¼NE¼ sec.19, T.1 N., R.17 E., Tuolumne County, Stanislaus National Forest, at road ford 5.5 mi (8.8 kn) southeast of Tuolumne.	6.68	1911e, 1964e, 1967-75e, 1976-77	6-24-77 8-29-77 9-15-77	b 0.18 b .08 b .07
11307000	Esperanza Creek near Mokelumne Hill, CA	Lat 38°18'59", long 120°35'37", in SW¼NW¼ sec.6, T.5 N., R.13 E., Calaveras County, 600 ft (183 n) upstream from nouth and 6.0 mi (9.6 kn) east of Mokelumne Hill.	16.6	1951-59†, 1967-71e, 1977	5-17-77 6-8-77 8-10-77 9-7-77 10-4-77	b 0.86 b .18 b .07 b .05 b .10

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

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Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
San Joaquin River basin--Continued						
11307500	Jesus Maria Creek near Mokelumne Hill, CA	Lat 38°17'01", long 120°38'59", in NE¼SE¼ sec.16, T.5 N., T.12 E., Calaveras County, 0.6 mi (1.0 km) upstream from mouth and 3.2 mi (5.1 km) northeast of Mokelumne Hill.	34.6	1950-59†, 1967-71e, 1977	5-17-77 6-8-77 8-10-77 9-7-77 10-4-77	b 2.07 b .32 b .04 b .02 b .06
11330000	North Fork Cosumnes River at Cosumnes Mine, near Grizzly Flat, CA	Lat 38°40'11", long 120°31'57", in SW¼SW¼ sec.34, T.10 N., R.13 E., El Dorado County, 0.3 mi (0.5 km) downstream from Cosumnes Mine, 2.5 mi (4.0 km) north of Grizzly Flat, 4.3 mi (6.9 km) upstream from Steeley Fork, and 15 mi (24 km) southeast of Placerville.	38.7	1949-53†, 1977	6-6-77 8-9-77 9-6-77 10-6-77	b 7.43 b .64 b .54 b .84
*11334200	Middle Fork Cosumnes River near Somerset, CA	Lat 38°37'29", long 120°42'02", in NW¼NW¼ sec.19, T.9 N., R.12 E., El Dorado County, 1,000 ft (305 m) downstream from county road bridge and 1.8 mi (2.9 km) southwest of Somerset.	107	1957-71†, 1973-76e, 1977	6-6-77 8-9-77 9-6-77 10-6-77	b 15.7 b .02 0 b 1.53
Sacramento River basin						
11341900	Dog Creek at Delta, CA	Lat 40°56'17", long 122°25'13", in SE¼NE¼ sec.34, T.36 N., R.5 W., Shasta County, 0.1 mi (0.2 km) upstream from mouth, 0.5 mi (0.8 km) southwest of Delta, and 25 mi (40 km) north of Redding.	17.3	1975-77	3-1-77 8-2-77 10-3-77	b 4.50 b .60 b 4.45
11348600	Turner Creek near Canby, CA	Lat 41°25'49", long 121°00'26", in SE¼SE¼ sec.35, T.42 N., R.8 E., Modoc County, Modoc National Forest, 1.2 mi (1.9 km) upstream from mouth and 7.3 mi (11.7 km) southwest of Canby.	69.1	1977	6-7-77 8-4-77 9-8-77 10-14-77	b 0.44 b .15 b .21 b .34
11350000	Rush Creek near Adin, CA	Lat 41°15'47", long 120°53'36", in NE¼SE¼ sec.35, T.40 N., R.9 E., Modoc County, at bridge on U.S. Highway 299, 5.6 mi (9.0 km) northeast of Adin.	33.4	1930†, 1977	6-6-77 8-4-77 9-7-77 10-12-77	b 3.05 b 2.03 b 1.44 b 3.24
11350990	Willow Creek below Preston Canyon, CA	Lat 41°05'01", long 120°54'05", in SW¼SE¼ sec.35, T.38 N., R.9 E., Lassen County, 2.2 mi (3.5 km) downstream from Preston Canyon and 7.8 mi (12.6 km) south of Adin.	56.4	1977	6-7-77 8-3-77 9-8-77 10-14-77	b 5.58 b 5.35 b 5.74 b 6.24
11352500	Horse Creek at Little Valley, near Pittville, CA	Lat 40°53'56", long 121°10'23", in NE¼ sec.15, T.35 N., R.7 E., Lassen County, 100 ft (30 m) downstream from railroad bridge, 0.5 mi (0.8 km) northeast of Little Valley, and 13 mi (21 km) southeast of Pittville.	f 237	1929-31†, 1960-67†, 1968-75a, 1976-77	6-7-77 8-3-77 9-7-77 10-12-77	b 6.41 b 4.93 b 3.61 b 4.29
11353700	Fall River near Dana, CA	Lat 41°06'20", long 121°33'00", in NE¼ sec.30, T.38 N., R.4 E., Shasta County, 0.7 mi (1.1 km) southeast of Dana and 1 mi (2 km) downstream from large springs downstream from Bear Creek.	f 123	1959-67†, 1968-75e, 1976-77	6-6-77 8-5-77 9-9-77 10-14-77	b 407 b 378 b 379 b 380
*11365500	Squaw Creek above Shasta Lake, CA	Lat 40°51'25", long 122°05'08", in SE¼ sec.29, T.35 N., R.2 W., Shasta County, 1.3 mi (2.1 km) upstream from Salt Creek, 2 mi (3 km) upstream from Shasta Lake, and 10 mi (16 km) west of town of Montgomery Creek.	64.0	1945-66†, 1967-75e, 1976-77	6-20-77 8-16-77 9-26-77 11-10-77	b 7.28 b 3.03 b 12.9 b 23.1

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name	Drainage area (mi ²)	Period of record	Measurements	
				Date	Discharge (ft ³ /s)
Sacramento River basin--Continued					
11367100	McCloud River above Lower Falls, near McCloud, CA	Lat 41°14'36", long 122°01'25", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.39 N., R.2 W., Siskiyou County, 500 ft (152 m) upstream from Lower Falls and 6 mi (10 km) south- east of McCloud.	285	1964, 1968, 1970, 1972-75e, 1976-77	5-31-77 b 22.4 8-2-77 b 10.2 9-6-77 b 9.31 10-3-77 b 18.4
*11373200	Oak Run Creek near Oak Run, CA	Lat 40°41'25", long 122°02'35", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.25, T.33 N., R.2 W., Shasta County, 800 ft (244 m) downstream from road bridge, 1.1 mi (1.8 km) north- west of town of Oak run, 3.2 mi (5.1 km) upstream from Tracy Creek, and 12.2 mi (19.6 km) northeast of Millville.	11.0	1957-66†, 1967-75e, 1976-77	6-6-77 b 0.71 8-2-77 0 9-13-77 b .06 10-17-77 b .48
11373300	Little Cow Creek near Ingot, CA	Lat 40°44'45", long 122°03'40", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.2, T.33 N., R.2 W., Shasta County, 1.8 mi (2.9 km) northeast of Ingot and 7 mi (11 km) southwest of Round Mountain.	60.8	1957-65†, 1977	6-6-77 b 10.6 8-2-77 b 2.79 9-6-77 b 3.64 10-17-77 b 8.50
11374100	Bear Creek near Millville, CA	Lat 40°31'50", long 122°06'30", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.31 N., R.2 W., Shasta County, 10 ft (3 m) downstream from bridge on State Highway 44 and 3.8 mi (6.1 km) southeast of Millville.	75.7	1960-67†, 1968e, 1977	6-7-77 b 13.0 8-3-77 b 3.93 9-13-77 b 4.04 10-17-77 b 13.7
11376400	South Fork Battle Creek near Mineral, CA	Lat 40°21'03", long 121°39'45", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.29 N., R.3 E., Tehama County, Lassen National Forest, at campground 3.6 mi (5.8 km) west of Mineral.	32.6	1977	6-3-77 b 9.19 8-5-77 0 9-8-77 0 10-7-77 b 2.44
11382550	Deer Creek below Slate Creek, near Deer Creek Meadows, CA	Lat 40°14'02", long 121°27'50", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.27 N., R.4 E., Tehama County, Lassen National Forest, 0.4 mi (0.6 km) down- stream from Slate Creek, 3.2 mi (5.2 km) southwest of Deer Creek Meadows, and 15 mi (24 km) south- west of Chester.	69.4	1961-70†, 1977	6-29-77 b 33.6 8-2-77 b 33.0 9-14-77 b 30.9 10-18-77 b 34.1
11389700	Butte Creek at Butte Meadows, CA	Lat 40°04'06", long 121°34'25", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.31, T.26 N., R.4 E., Tehama County, 1.0 mi (1.6 km) downstream from small tributary, 1.5 mi (2.4 km) southwest of Butte Meadows, and 15 mi (24 km) northeast of Forest Ranch.	44.4	1960-74†, 1977	6-29-77 b 46.1 8-2-77 b 40.8 9-14-77 b 42.2 10-18-77 b 41.0
11390410	Sacramento River at Reclamation Dis- trict 70 pumping plant, near Grimes, CA	Lat 39°04'05", long 121°51'43", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.16, T.14 N., R.1 E., Sutter County, on left bank at Reclamation District 70 pumping plant, 1.7 mi (2.7 km) southeast of Grimes, and at mile 123.6 (198.9 km).	--	1977	7-18-77 7000 8-11-77 6270 8-31-77 4760 9-19-77 5030 10-19-77 2920
11390610	Sacramento River at Reclamation District 108 Rough and Ready pumping plant, near Knights Landing, CA	Lat 38°51'47", long 121°47'30", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.30, T.12 N., R.2 E., Yolo County, at Reclamation District 108 Rough and Ready pumping plant, 5.8 mi (9.3 km) northwest of Knights Landing, and at mile 98.0 (157.7 km).	--	1977	7-18-77 6120 8-11-77 5820 8-31-77 4130 9-30-77 4720 10-19-77 2890
11391020	Sacramento River at Frenont Weir west end, near Knights Landing, CA	Lat 38°45'34", long 121°39'59", in Rio Jesus Maria Land Grant, Sutter County, at west end of Frenont Weir, 3.9 mi (6.3 km) southeast of Knights Landing, and at mile 84.1 (135.3 km).	--	1977	7-11-77 6340 9-8-77 4880 9-20-77 5340 10-5-77 3580
11395300	Lost Creek above Sly Creek Reservoir, near Strawberry Valley, CA	Lat 39°37'05", long 121°05'19", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.4, T.20 N., R.8 E., Plumas County, Plumas National Forest, 0.4 mi (0.6 km) upstream from French Creek and 3.8 mi (6.1 km) north of Strawberry Valley.	14.1	1961-70†, 1977	6-21-77 b 3.85 8-3-77 b 2.63 9-7-77 b 1.83 10-3-77 b 4.23

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

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Station No.	Station name	Drainage area (mi ²)	Period of record	Measurements	
				Date	Discharge (ft ³ /s)
Sacramento River basin--Continued					
11401150	Red Clover Creek near Genesee, CA	122	1959-65†, 1977	6-30-77 8-3-77 9-20-77 10-12-77	b 7.51 b 6.45 b 8.02 b 7.79
					Lat 40°02'50", long 120°39'37", in NW¼SW¼ sec.5, T.25 N., R.12 E., Plumas County, Plumas National Forest, 0.3 mi (0.5 km) downstream from Rock Creek, 4.5 mi (7.2 km) east of Genesee, and 9.5 mi (15.3 km) east of Taylorsville.
11401300	Lights Creek near Taylorsville, CA	57.6	1957-63†, 1977d	6-30-77 8-4-77 9-8-77 10-12-77	b 1.04 b .04 b .08 b 1.06
					Lat 40°10'00", long 120°47'35", in SW¼SW¼ sec.30, T.27 N., R.11 E., Plumas County, Plumas National Forest, 0.4 mi (0.6 km) down- stream from Moonlight Creek and 6.7 mi (10.8 km) north of Taylorsville.
11408700	Middle Yuba River near Alleghany, CA	96.6	1958-66†, 1968e, 1977	6-16-77 8-3-77 9-1-77 10-4-77	32.6 o 12.5 b 14.2 b 15.4
					Lat 39°26'19", long 120°48'40", in NW¼SW¼ sec.12, T.18 N., R.10 E., Nevada County, Tahoe National Forest, 0.5 mi (0.8 km) down- stream from Wolf Creek and 2.8 mi (4.5 km) southeast of Alleghany.
11410500	North Yuba River near Sierra City, CA	94.7	1924-44†, 1956e, 1971e, 1977	6-22-77 8-9-77 9-8-77 10-12-77	59.2 b 27.4 b 24.9 b 26.4
					Lat 39°33'45", long 120°39'15", in NE¼NW¼ sec.32, T.20 N., R.12 E., Sierra County, Tahoe National Forest, 0.2 mi (0.3 km) upstream from Big Avalanche Ravine and 1.0 mi (1.6 km) west of Sierra City.
11411000	Downie River at Downieville, CA	72.7	1911-26†, 1966-68e, 1977	6-22-77 8-9-77 9-8-77 10-12-77	b 47.1 b 24.2 b 21.8 b 24.5
					Lat 39°33'47", long 120°49'26", in NE¼NW¼ sec.35, T.20 N., R.10 E., Sierra County, Tahoe National Forest, at bridge in Downieville, 0.3 mi (0.5 km) upstream from mouth.
11412000	Rock Creek at Goodyears Bar, CA	8.98	1911-33†, 1960-68e, 1977	6-16-77 8-9-77 9-8-77 10-12-77	b 1.45 b .47 b .42 b .90
					Lat 39°32'14", long 120°53'06", in SW¼SW¼ sec.5, T.19 N., R.10 E., Sierra County, Tahoe National Forest, 600 ft (183 m) upstream from mouth, 0.2 mi (0.3 km) southwest of Goodyears Bar.
11412500	Goodyears Creek at Goodyears Bar, CA	12.9	1911-33†, 1960-68e, 1977	6-22-77 8-9-77 9-8-77 10-12-77	b 3.85 b 2.17 b 2.17 b 2.44
					Lat 39°32'30", long 120°53'13", in NW¼SW¼ sec.5, T.19 N., R.10 E., Sierra County, Tahoe National Forest, 300 ft (91 m) upstream from mouth, and 0.5 mi (0.8 km) north of Goodyears Bar.
*11417100	Poorman Creek near Washington, CA	23.1	1961-71†, 1975e, 1976-77	6-21-77 8-29-77 9-17-77 10-4-77	b 7.07 b 3.66 b 2.91 b 3.76
					Lat 39°21'36", long 120°48'24", in SW¼ sec.1, T.17 N., R.19 E., Nevada County, Tahoe National Forest, just downstream from U.S. Forest Service bridge, 0.4 mi (0.6 km) west of Washing- ton, and 1.4 mi (2.3 km) down- stream from Deadman Creek.
11420000	Dry Creek near Brownsville, CA	20.4	1949-60†, 1961e, 1964-68e, 1977	6-21-77 8-1-77 9-7-77	b 1.08 g 8.86 g 6.15
					Lat 29°28'37", long 121°15'16", in SW¼NW¼ sec.25, T.19 N., R.6 E., Yuba County, 0.2 mi (0.3 km) downstream from New York Creek and 0.9 mi (1.4 km) northeast of Brownsville.
11423150	Wolf Creek near Wolf, CA	74.8	1977	6-23-77 8-10-77 9-16-77 11-18-77	b 4.10 b 3.16 b 3.56 b 1.30
					Lat 39°03'03", long 121°06'26", in NW¼SE¼ sec.20, T.14 N., R.8 E., Nevada County, 1.0 mi (1.6 km) north of Higgins Corner and 1.8 mi (2.9 km) southeast of Wolf Post Office.
11426500	North Fork American River near Colfax, CA	308	1911-41†, 1977	6-23-77 8-10-77 9-16-77 11-18-77	80.0 b 17.3 b 14.8 b 23.3
					Lat 39°02'25", long 120°54'06", in SE¼SW¼ sec.19, T.14 N., R.10 E., Placer County, 400 ft (122 m) downstream from Shirt- tail Canyon and 5.0 mi (8.0 km) southeast of Colfax.
11433430	Buckeye Canyon Creek tributary near Greenwood, CA	0.08	1972-77	1-24-77 3-3-77 10-20-77	0 0 0
					Lat 38°55'18", long 120°57'46", in SE¼NW¼ sec.3, T.12 N., R.9 E., El Dorado County, 3.3 mi (5.3 km) northwest of Greenwood, and 3.5 mi (5.6 km) northeast of Cool.

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Sacramento River basin--Continued						
11433440	Wildcat Canyon Creek near Cool, CA	Lat 38°55'11", long 120°58'11", in NE¼SE¼ sec.4, T.12 N., R.9 E., El Dorado County, 3.3 mi (5.3 km) northeast of Cool and 3.5 mi (5.6 km) northwest of Greenwood.	0.30	1972-77	1-24-77 3-3-77 10-20-77	0 0 0
*11433450	Browns Bar Canyon Creek near Cool, CA	Lat 38°54'52", long 120°58'42", in SE¼SW¼ sec.4, T.12 N., R.9 E., El Dorado County, 2.7 mi (4.3 km) northeast of Cool and 3.8 mi (6.1 km) northwest of Greenwood.	0.75	1972-77	1-24-77 3-3-77 10-20-77	0 b .01 0
*11433900	Paynaster Creek near Cool, CA	Lat 38°53'33", long 120°59'58", in SE¼NW¼ sec.17, T.12 N., R.9 E., El Dorado County, 400 ft (122 m) upstream from culvert on Pay- naster Trail, 0.9 mi (1.4 km) northeast of Cool.	--	1972-77	1-24-77 3-3-77 5-5-77 10-20-77	0 0 0 0
11440500	Plum Creek near Riverton, CA	Lat 38°45'24", long 120°25'41", in SE¼SE¼ sec.32, T.11 N., R.14 E., El Dorado County, Eldorado National Forest, 1.5 mi (2.4 km) upstream from mouth and 1.6 mi (2.6 km) southeast of Riverton.	7.32	1923-40†, 1956e, 1977	6-5-77 7-22-77 8-15-77 9-27-77 10-19-77	b 0.39 b .05 b .03 b .06 b .07
11440700	Tells Creek near Kyburz, CA	Lat 38°54'09", long 120°22'05", in SE¼NE¼ sec.11, T.12 N., R.14 E., El Dorado County, at Loon Lake road crossing, 10 mi (16 km) northeast of Riverton.	8.66	1964-68e, 1969-71e, 1974-75e, 1976-77	6-16-77 8-17-77 9-22-77 10-20-77	b 4.33 b .29 b .32 b .29
Redwood Creek basin						
11460150	Redwood Creek near Tamalpais Valley, CA	Lat 37°52'30", long 122°34'55", Marin County, in Mount Tamalpais Game Refuge, at culvert on Frank Valley road, 2.5 mi (4.0 km) southeast of Mill Valley, and 3.0 mi (4.8 km) west of Tamalpais Valley.	6.38	1962-73a, 1976	8-10-76 8-31-76 11-2-76 12-6-76	b 0.04 b .05 b .01 b .15
Bollinas Lagoon basin						
11460160	Morses Creek at Bollinas, CA	Lat 37°55'09", long 122°40'09", in Las Baulines Grant, Marin County, at mouth, 7 ft (2 m) upstream from culvert on State Highway 1, and 1.0 mi (1.6 km) northeast of Bollinas.	0.70	1967-69†, 1976	8-10-76 8-31-76 11-2-76 12-6-76	0 0 0 0
11460165	Audubon Creek near Bollinas, CA	Lat 37°55'47", long 122°40'50", in Las Baulines Grant, Marin County, at mouth 1.5 mi (2.4 km) north of Bollinas.	0.46	1968-69†, 1976	8-10-76 8-31-76 11-2-76 12-6-76	0 0 0 0
Pine Creek basin						
11460170	Pine Creek at Bollinas, CA	Lat 37°35'07", long 122°41'31", in Las Baulines Grant, Marin County, 100 ft (30 m) upstream from high- way bridge, 0.4 mi (0.6 km) upstream from mouth, and 0.9 mi (1.4 km) north of Bollinas.	7.83	1967-70†, 1976	8-10-76 8-31-76 11-2-76	b 0.10 b .12 b .17
Lagunitas Creek basin						
11460610	Olena Creek at Olena, CA	Lat 38°02'25", long 122°47'16", in Tonales y Baulines (Garcia) Grant, Marin County, in town of Olena, 300 ft (91 m) west of intersection of State Highway 1 and Sir Francis Brake Highway.	12.5	1976-77d	8-10-76 8-31-76 11-2-76 7-18-77 8-10-77 9-12-77	b 0.34 b .23 b .19 b .08 b .13 b .16
Walker Creek basin						
11460700	Arroyo Sausal near Marshall, CA	Lat 38°09'30", long 122°46'55", in Soulaule (Bracket) Grant, Marin County, 0.3 mi (0.5 km) upstream from confluence with Salmon Creek, and 6.1 mi (9.8 km) east of Marshall.	19.2	1959-60†, 1976	8-10-76 8-31-76 11-2-76	0 0 0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

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Station No.	Station name	Drainage area (mi ²)	Period of record	Measurements	
				Date	Discharge (ft ³ /s)
Estero de San Antonio basin					
11460850	Stemple Creek near Fallon, CA	38.6	1976	8-10-76 8-31-76 11-2-76	0 0 0
Estero Americano basin					
11460880	Americano Creek near Valley Ford, CA	15.6	1976	8-10-76 8-31-76 11-2-76	0 0 0
Salmon Creek basin					
11460920	Salmon Creek at Bodega, CA	15.7	1962-75†, 1976	8-10-76 8-31-76 11-2-76	0 0 b .37
Scotty Creek basin					
11460925	Scotty Creek near Bodega, CA	4.18	1976	8-10-76 8-31-76 11-2-76	0 0 0
Russian River basin					
11467200	Austin Creek at Cazadero, CA	63.1	1959-66†, 1976-77	8-11-76 8-31-76 11-2-76 12-6-76 7-18-77 8-15-77 9-12-77	0 0 0 0 0 0 0
11467220	Willow Creek near Jenner, CA	8.56	1976	8-11-76 8-31-76 11-2-76	0 0 0
Russian Gulch basin					
11467225	Russian Gulch near Jenner, CA	11.2	1976	8-11-76 8-31-76 11-2-76 12-6-76	0 0 0 0
Fort Ross Creek basin					
11467230	Fort Ross Creek at Fort Ross, CA	1.52	1976-77d	8-11-76 8-31-76 11-2-76 12-6-76 7-19-77 8-15-77 9-12-77	b 0.06 b .06 b .05 b .10 b .02 b .006 b .005
Gualala River basin					
11467280	South Fork Gualala River near Fort Ross, CA	33.0	1976-77	8-11-76 8-31-76 11-2-76 7-19-77 8-15-77 9-12-77	b 0.64 b 1.16 b .71 b .10 0 0
11467290	South Fork Gualala River near Stewarts Point, CA	42.8	1976-77	8-11-76 8-31-76 11-2-76 7-19-77 8-15-77 9-12-77	b 0.64 b 1.25 b .85 0 0 0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Gualala River basin--Continued						
11467490	Wheatfield Fork Gualala River near Annapolis, CA	Lat 38°42'04", long 123°24'42", unsurveyed, Sonoma County, 400 ft (122 m) upstream from mouth, 2.8 mi (4.5 km) southwest of Annapolis.	112	1976-77	8-11-76 8-31-76 11-2-76 7-19-77 8-15-77 9-12-77	b 0.40 b 3.63 b 2.87 0 0 0
11467500	South Fork Gualala River near Annapolis, CA	Lat 38°42'14", long 123°25'13", in German Grant, Sonoma County, 2,700 ft (823 m) downstream from Wheatfield Fork Gualala River and 3.1 mi (5.0 km) southwest of Annapolis.	161	1976-77	8-11-76 8-31-76 11-2-76 12-6-76 7-19-77 8-15-77 9-12-77	b 0.37 b 2.65 b 1.13 b 5.32 0 0 0
11467555	North Fork Gualala River at mouth, near Gualala, CA	Lat 38°46'47", long 123°29'56", in SE¼SE¼ sec.23, T.11 N., R.15 W., Mendocino County, 500 ft (152 m) upstream from confluence with South Fork Gualala River, 1.8 mi (2.9 km) northeast of town of Gualala.	48.0	1976-77d	8-12-76 9-1-76 11-2-76 7-19-77 8-15-77 9-12-77	b 6.22 b 7.35 b 3.98 b 2.25 b 1.77 b 1.58
Alder Creek basin						
11467655	Alder Creek at State Highway 1, near Manchester, CA	Lat 38°59'56", long 123°41'17", in SE¼ sec.12, T.13 N., R.17 W., Mendocino County, at bridge on State Highway 1, 2.0 mi (3.2 km) north of Manchester.	28.1	1976	8-12-76 9-1-76 11-2-76	0 b .17 0
Elk Creek basin						
11467710	Elk Creek at State Highway 1, near Elk, CA	Lat 39°06'08", long 123°42'02", in SW¼SW¼ sec.1, T.14 N., R.17 W., Mendocino County, at bridge on State Highway 1, 0.4 mi (0.6 km) upstream from mouth, 2 mi (3 km) southeast of town of Elk.	27.3	1976-77d	8-12-76 9-1-76 11-2-76 7-21-77 8-15-77 9-12-77	b 3.93 b 4.18 b 3.46 b 1.48 b 1.26 b 1.37
Greenwood Creek basin						
11467750	Greenwood Creek at Elk, CA	Lat 39°07'41", long 123°42'32", in SW¼SE¼ sec.26, T.15 N., R.17 W., Mendocino County, 800 ft (244 m) upstream from State Highway 1, 0.5 mi (0.8 km) upstream from mouth, and 0.4 mi (0.6 km) southeast of Elk.	24.3	1951-56, 1961, 1976-77d	8-12-76 9-1-76 11-3-76 7-21-77 8-15-77 9-12-77	b 0.72 b .82 b .56 b .20 b .13 b .14
Navarro River basin						
11467800	Rancheria Creek near Boonville, CA	Lat 38°59'35", long 123°26'00", in SE¼ sec.7, T.13 N., R.14 W., Mendocino County, at county road bridge, 100 ft (30 m) downstream from Minnie Creek, and 3.7 mi (6.0 km) west of Boonville.	65.6	1959-68†, 1976-77	8-13-76 8-30-76 11-2-76 7-20-77	b 1.67 b 1.68 b 1.77 0
11467900	Navarro River above North Fork, near Navarro, CA	Lat 39°09'20", long 123°38'17", in SW¼SW¼ sec.16, T.15 N., R.16 W., Mendocino County, 350 ft (107 m) upstream from North Fork, and 5.1 mi (8.2 km) west of Navarro.	223	1976-77	8-12-76 9-1-76 11-2-76 7-20-77 8-11-77 9-12-77	b 1.30 b 3.28 b 5.42 0 0 0
11467990	North Fork Navarro River near Navarro, CA	Lat 39°09'24", long 123°38'15", in NW¼SW¼ sec.16, T.15 N., R.16 W., Mendocino County, 200 ft (61 m) upstream from mouth and 5.1 mi (8.2 km) west of Navarro.	73.6	1976-77d	8-12-76 9-1-76 11-2-76 7-20-77 8-11-77 9-12-77	b 1.89 b 2.79 b 2.92 b .52 b .35 b .42
Albion River basin						
11468010	Albion River near Comptche, CA	Lat 39°15'40", long 123°37'00", in SW¼ sec.11, T.16 N., R.16 W., Mendocino County, 2,000 ft (610 m) downstream from Morrison Gulch and 1.7 mi (2.7 km) west of Comptche.	14.4	1961-69†, 1970-76a	8-13-76 8-31-76 11-2-76	b 0.04 b .03 b .02
Big River basin						
11468070	South Fork Big River near Comptche, CA	Lat 39°13'47", long 123°27'53", in SW¼ sec.19, T.16 N., R.14 W., Mendocino County, 250 ft (76 m) downstream from Daugherty Creek and 7.2 mi (11.6 km) east of Comptche.	36.2	1960-71†, 1976-77	8-13-76 8-31-76 11-2-76 7-20-77	b 0.58 b .76 b .72 0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

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Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Big River basin--Continued						
11468100	Big River near Mendocino, CA	Lat 39°18'48", long 123°41'14", in NW¼NE¼ sec.30, T.17 N., R.16 W., Mendocino County, at road ford, 1.6 mi (2.6 km) upstream from Little North Fork Big River, and 5.9 mi (9.5 km) east of Mendocino.	151	1951-55, 1956†, 1976-77d	8-13-76 8-31-76 11-2-76 7-21-77 8-16-77 9-12-77	b 5.59 b 7.35 b 5.62 b 1.13 b .72 b .29
Pudding Creek basin						
11468540	Pudding Creek near Fort Bragg, CA	Lat 39°27'25", long 123°43'20", in NE¼NW¼ sec.2, T.18 N., R.17 W., Mendocino County, at old town site of Glenblair, 0.7 mi (1.1 km) downstream from Little Valley Creek, and 4.5 mi (7.2 km) east of Fort Bragg.	12.5	1964-71†, 1976	8-13-76 8-30-76 11-3-76	b 0.06 b .18 b .14
Tennile River basin						
11468600	Middle Fork Tennile River near Fort Bragg, CA	Lat 39°34'22", long 123°41'57" in NE¼NE¼ sec.25, T.20 N., R.17 W., Mendocino County, 0.8 mi (1.3 km) upstream from confluence with North Fork Tennile River, and 10 mi (16 km) northeast of Fort Bragg.	32.9	1951-56, 1961, 1964-73†, 1976-77d	8-13-76 8-31-76 11-3-76 7-20-77 8-16-77 9-13-77	b 3.50 b 3.45 b 3.29 b .95 b .89 b .74
11468650	North Fork Tennile River near Fort Bragg, CA	Lat 39°34'24", long 123°42'26", in NE¼NW¼ sec.25, T.20 N., R.17 W., Mendocino County, 800 ft (244 m) upstream from confluence with Middle Fork Tennile River, and 10.2 mi (16.4 km) northeast of Fort Bragg.	39.1	1951-57, 1961, 1976-77d	8-13-76 8-31-76 11-3-76 7-20-77 8-16-77 9-13-77	b 5.18 b 5.70 b 4.24 b 1.22 b 1.47 b 1.51
11468710	South Fork Tennile River at mouth, near Fort Bragg, CA	Lat 39°32'06", long 123°44'49", in SW¼SW¼ sec.3, T.19 N., R.17 W., Mendocino County, 3,000 ft (914 m) upstream from mouth and 6.8 mi (10.9 km) northeast of Fort Bragg.	38.7	1976-77d	8-13-76 8-31-76 11-3-76 7-20-77 8-16-77 9-13-77	b 1.31 b 1.70 b 1.48 b .45 b .44 b .39
Mattole River basin						
11468875	Mattole River at Thorn, CA	Lat 40°01'06", long 123°56'12", in NW¼SW¼ sec.15, T.5 S., R.2 E., Humboldt County, 0.3 mi (0.5 km) downstream from Stanley Creek, 0.3 mi (0.5 km) southeast of Thorn.	12.8	1977	8-11-77 8-31-77 9-29-77	b 0.06 b .07 17.5
Bear River basin						
11469550	Bear River at Capetown, CA	Lat 40°28'00", long 124°21'56" in NW¼SW¼ sec.13, T.1 N., R.3 W., Humboldt County, at bridge at Capetown.	81.2	1951-56, 1977	7-13-77 9-13-77 9-22-77	b 13.3 b 6.65 38.1
Eel River basin						
11471800	Tonki Creek near Willits, CA	Lat 39°25'10", long 123°13'40", in NE¼ sec.18, T.18 N., R.12 W., Mendocino County, 500 ft (152 m) upstream from Halfmile Creek, 5.8 mi (9.3 km) upstream from mouth, and 6.8 mi (10.9 km) east of Willits.	43.4	1963-70†, 1977	7-27-77	0
11472700	Hannerhorn Creek near Covelo, CA	Lat 39°56'42", long 122°59'50", in SW¼SW¼ sec.8, T.24 N., R.10 W., Mendocino County, Mendocino National Forest, at culvert on Six Rivers-Clear Lake road 17 mi (27 km) north- east of Covelo.	3.36	1969-76a, 1977	9-29-77	5.1
11472800	Middle Fork Eel River above Black Butte River, near Covelo, CA	Lat 39°49'45", long 123°04'11", in SE¼SW¼ sec.22, T.23 N., R.11 W., Mendocino County, 1.2 mi (1.9 km) upstream from Black Butte River and 9.8 mi (15.8 km) northeast of Covelo.	204	1968-70†, 1977d	7-28-77 8-24-77 9-29-77	b 3.03 b 1.04 188

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Eel River basin--Continued						
11472900	Black Butte River near Covelo, CA	Lat 39°49'15", long 123°04'50", in SE¼ sec.28, T.23 N., R.11 W., Mendocino County, 10 ft (3 m) upstream from highway bridge, 0.5 mi (0.8 km) upstream from mouth, and 9.5 mi (15.3 km) east of Covelo.	162	1951-56, 1954-57a, 1959-75†, 1977d	7-28-77 8-24-77 9-29-77	b 1.2 b .11 9.47
11473100	Williams Creek near Covelo, CA	Lat 39°49'30", long 123°08'25", in SW¼NE¼ sec.25, T.23 N., R.12 W., Mendocino County, 1.0 mi (1.6 km) upstream from mouth and 6.1 mi (9.8 km) northeast of Covelo.	30.4	1962-69†, 1977	7-28-77 8-24-77	b 0.12 0
11473600	Short Creek near Covelo, CA	Lat 39°49'50", long 123°10'56", in NE¼ sec.27, T.23 N., R.12 W., Mendocino County, 0.4 mi (0.6 km) downstream from small right-bank tributary, 0.7 mi (1.1 km) upstream from wooden bridge, and 4.5 mi (7.2 km) northeast of Covelo.	15.2	1959-69†, 1977	7-28-77 8-24-77 9-29-77	0 0 b .01
11473700	Mill Creek near Covelo, CA	Lat 39°44'57", long 123°10'48", in NW¼SE¼ sec.22, T.22 N., R.12 W., Mendocino County, at county road bridge, 0.9 mi (1.4 km) downstream from Turner Creek, and 4.6 mi (7.4 km) southeast of Covelo.	95.6	1956-71†, 1977	8-25-77	0
11474400	Hulls Creek near Covelo, CA	Lat 39°54'50", long 123°14'55", in sec.25, T.24 N., R.13 W, at highway bridge, 6.8 mi (10.9 km) southeast of Mina, and 8.3 mi (13.4 km) north of Covelo.	25.9	1962-64†, 1977	7-29-77 8-25-77	b 0.01 0
11474500	North Fork Eel River near Mina, CA	Lat 39°56'18", long 123°20'36", in SW¼ sec.8, T.24 N., R.13 W., Mendocino County, 0.2 mi (0.3 km) upstream from county road bridge, 1.4 mi (2.3 km) upstream from Asbill Creek, and 2 mi (3 km) south of Mina.	248	1953-76†, 1977d	7-29-77 8-25-77 9-29-77	b 0.47 b .22 173
11474700	Chanise Creek near Island Mountain, CA	Lat 40°02'14", long 123°33'10", in NW¼SW¼ sec.7, T.5 S., R.6 E., Humboldt County, at county road bridge, at Dry Creek, 3.2 mi (5.1 km) northwest of Island Mountain, and 3.8 mi (6.1 km) upstream from mouth.	22.6	1973-76†, 1977	7-26-77	b 0.23
11475095	Casterlin Spring near Fort Seward, CA	Lat 40°14'32", long 123°37'21", in SE¼SW¼ sec.33, T.2 S., R.5 E., Humboldt County, 1.9 mi (3.1 km) northeast of Fort Seward.	--	1977	8-11-77	0
11475100	Dobbyn Creek near Fort Seward, CA	Lat 40°14'14", long 123°38'05", in NW¼NE¼ sec.5, T.3 S., R.5 E., Humboldt County, at county road bridge, 0.2 mi (0.3 km) upstream from Conley Creek, 1.2 mi (1.9 km) northeast of Fort Seward, and 1.6 mi (2.6 km) upstream from mouth.	61.4	1973-76†, 1977d	7-26-77 8-23-77 9-20-77	b 4.40 b 3.56 21.4
11475250	Eel River at South Fork, CA	Lat 40°21'04", long 123°54'48", in SE¼NE¼ sec.2, T.1 S., R.2 E., Humboldt County, 0.2 mi (0.3 km) upstream from Northwestern Pacific Railroad Bridge, 0.4 mi (0.6 km) north of town of South Fork, and 0.5 mi (0.8 km) upstream from South Fork.	2,266	1977d	7-14-77 8-3-77 8-22-77 9-14-77	b 20.9 b 11.0 b .62 b .39
11475500	South Fork Eel River near Branscomb, CA	Lat 39°43'09", long 123°39'06", in NW¼ sec.32, T.22 N., R.16 W., Mendocino County, 0.4 mi (0.6 km) upstream from Jack of Hearts Creek and 4.7 mi (7.6 km) north of Branscomb.	43.9	1946-70†, 1972-76a, 1977d	7-27-77 8-24-77	b 0.86 b .45
11475700	Tennile Creek near Laytonville, CA	Lat 39°45'45", long 123°32'30", in NW¼ sec.16, T.22 N., R.15 W., Mendocino County, 0.1 mi (0.2 km) downstream from Step Gulch Creek and 6.0 mi (9.7 km) northwest of Laytonville.	50.3	1957-74†, 1975-76a, 1977	8-23-77	0

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

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Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Eel River basin--Continued						
11475940	East Branch South Fork Eel River near Garberville, CA	Lat 40°04'27", long 123°46'08", in SE¼NE¼ sec.31, T.4 S., R.4 E., Humboldt County, just upstream from Panther Canyon, 1.9 mi (3.1 kn) upstream from mouth, and 2.3 mi (3.7 kn) southeast of Garberville.	74.3	1957-72†, 1977d	7-27-77 8-23-77 9-19-77	b 1.77 b .95 18.8
11476620	South Fork Eel River at Dyerville, CA	Lat 40°21'17", long 123°55'21", in NE¼NW¼ sec.26, T.1 S., R.2 E., Humboldt County, at Dyerville, 500 ft (152 m) upstream from mouth, and 0.7 mi (1.1 kn) northwest of town of South Fork.	689	1977	7-14-77 8-22-77 9-14-77	b 21.6 b 10.2 b 9.87
11476700	Larabee Creek near Holmes, CA	Lat 40°24'30", long 123°54'00", in SE¼ sec.1, T.1 S., R.2 E., Humboldt County, 50 ft (15 m) downstream from Balcon Creek 2.8 mi (4.5 kn) upstream from mouth, and 2.8 mi (4.5 kn) east of Holmes.	84.1	1959-65†, 1977d	7-25-77 9-12-77 9-27-77	b 4.78 b 3.48 b 9.40
11477700	Little Van Duzen River near Bridgeville, CA	Lat 40°26'40", long 123°39'15", in SE¼ sec.19, T.1 N., R.5 E., Humboldt County, 0.2 mi (0.3 kn) upstream from Butte Creek, 3 mi (5 kn) upstream from mouth, and 7.8 mi (12.6 kn) east of Bridge- ville.	36.2	1951-58, 1954-57a, 1958-67†, 1977d	7-21-77 8-15-77 9-12-77	b 4.60 b 2.29 b 2.21
11479000	Yager Creek near Carlotta, CA	Lat 40°34'15", long 124°02'55", in SW¼NE¼ sec.10, T.2 N., R.1 E., Humboldt County, 0.8 mi (1.3 kn) upstream from Cooper Mill Creek, and 2.4 mi (3.9 kn) north of Carlotta.	127	1953-60†, 1965-72†, 1977d	7-21-77 9-10-77 9-14-77	b 5.08 b 3.02 b 2.04
11479560	Eel River at Fernbridge, CA	Lat 40°36'57", long 124°12'06", in SW¼NE¼ sec.29, T.3 N., R.1 W., Humboldt County, just downstream from bridge on county road at Fernbridge.	3,614	1977	7-22-77 8-22-77 9-27-77	b 49.9 b 21.3 224
Elk River basin						
11479700	Elk River near Falk, CA	Lat 40°42'10", long 124°09'20", in NW¼ sec.26, T.4 N., R.1 W., 500 ft (152 m) downstream from Clapp Guich, 1,300 ft (396 m) downstream from confluence of North and South Forks, 2 mi (3 kn) northwest of Falk, and 5 mi (8 kn) south of Eureka.	44.2	1958-67†, 1977d	8-16-77 9-2-77 10-3-77	b 1.28 b .93 b 2.41
Freshwater Creek basin						
11479800	Freshwater Creek at Freshwater, CA	Lat 40°45'23", long 124°02'56", in NW¼SE¼ sec.3, T.4 N., R.1 E., Humboldt County, at downstream outlet of lake in Freshwater Park, 0.7 mi (1.1 kn) southeast of town of Freshwater.	16.0	1977	7-12-77 8-11-77 9-21-77	b 1.16 b .16 1.12
Jacoby Creek basin						
11480000	Jacoby Creek near Freshwater, CA	Lat 40°47'30", long 124°00'10", in NW¼ sec.30, T.5 N., R.2 E., Humboldt County, 3.7 mi (6.0 kn) northeast of Freshwater.	6.05	1954-64†, 1966-72, 1974a, 1977d	7-12-77 9-8-77 9-20-77	b 2.07 b 5.41 1.37
Mad River basin						
11480390	Mad River above Ruth Reservoir, near Forest Glen, CA	Lat 40°18'51", long 123°21'44", in NW¼NW¼ sec.11, T.2 S., R.7 E., Trinity County, Six Rivers National Forest, at bridge on Zenia road, 0.5 mi (0.8 kn) southeast of Ruth, and 4.6 mi (7.4 kn) southwest of Forest Glen.	103	1971-73, 1977d	8-10-77 9-7-77 9-27-77	b 0.58 b .38 b .53
11480410	Mad River below Ruth Reservoir, near Forest Glen, CA	Lat 40°22'16", long 123°26'06", in SW¼SW¼ sec.18, T.1 N., R.7 E., Trinity County, Six Rivers National Forest, 1,200 ft (366 m) downstream from Robert W. Matthews Dam, 5.3 mi (8.5 kn) northwest of Ruth, and 5.8 mi (9.3 kn) west of Forest Glen.	121 (revised)	1971-72, 1977d	8-10-77 9-7-77 9-27-77	b 71.2 b 66.6 b 47.3

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Mad River basin--Continued						
11480700	Maple Creek near Blue Lake, CA	Lat 40°46'53", long 123°52'38", in SE¼ sec.30, T.5 N., R.3 E., Humboldt County, at bridge on Kneeland-Korbel road, 6.3 mi (10.1 kn) east of Kneeland, and 9.2 mi (14.8 kn) southeast of town of Blue Lake.	12.1	1962-73a, 1977	7-12-77 8-11-77	b 3.03 b 1.62
11480750	Mad River near Kneeland, CA	Lat 40°45'50", long 123°53'20" in NW¼NW¼ sec.6, T.4 N., R.3 E., Humboldt County, at mouth of Maple Creek, 30 ft (9 m) upstream from bridge, and 5.4 mi (8.7 kn) east of Kneeland.	351 (revised)	1966-74†, 1977d	7-12-77 8-11-77 9-13-77	b 67.4 b 74.7 b 63.7
11480780	Mad River near Blue Lake, CA	Lat 40°50'47", long 123°58'54" in NW¼ sec.5, T.5 N., R.2 E., Humboldt County, 0.3 mi (0.5 kn) upstream from small left-bank tributary, and 2.4 mi (3.9 kn) south of town of Blue Lake.	393	1973-76†, 1977d	7-15-77 8-11-77 9-13-77	b 80.3 b 73.4 b 67.6
11480820	North Fork Mad River at Korbel, CA	Lat 40°52'12", long 123°57'35" in SE¼SW¼ sec.28, T.6 N., R.2 E., Humboldt County, at Korbel, 100 ft (30 m) downstream from bridge, 200 ft (61 m) upstream from Sullivan Gulch.	44.4	1977d	6-21-77 6-27-77 8-26-77 9-21-77	b 8.03 b 6.10 b 2.16 4.94
Klamath River basin						
11512000	Fall Creek at Copco, CA	Lat 41°58'31", long 122°21'49", in NE¼ sec.36, T.48 N., R.5 W., Siskiyou County, 1,500 ft (457 m) upstream from mouth and 0.8 mi (1.3 kn) south of Fall Creek powerplant and Copco Post Office.	14.6	1928-59†, 1964-75e, 1976-77	6-2-77 8-3-77 9-1-77 10-5-77	b 33.1 b 34.2 b 33.3 b 32.7
11516528	Bogus Creek near Hornbrook, CA	Lat 41°55'43", long 122°26'24", in NE¼ sec.17, T.47 N., R.3 W., Siskiyou County, 0.5 mi (0.8 kn) downstream from Iron Gate Dam and 6.0 mi (9.7 kn) northeast of Hornbrook.	53.5	1965-75e, 1976-77	6-2-77 8-3-77 9-1-77 10-5-77	b 15.9 b 8.65 b 10.7 b 17.7
11516750	Shasta River near Edgewood, CA	Lat 41°28'21", long 122°26'21", in SE¼NE¼ sec.20, T.42 N., R.5 W., Siskiyou County, at county bridge 1.1 mi (1.8 kn) northwest of Edgewood, and 4.2 mi (6.8 kn) northwest of Weed.	70.3	1977h	5-31-77 8-3-77 9-6-77 10-3-77	b 17.0 b 8.43 b 9.92 b 15.6
11517800	Beaver Creek near Klamath River, CA	Lat 41°53'42", long 122°49'21", in NE¼SW¼ sec.30, T.47 N., R.8 W., Siskiyou County, 1.9 mi (3.1 kn) upstream from mouth and 14.8 mi (23.8 kn) northwest of Yreka.	106	1953-58, 1959-65†, 1967-75e, 1976-77	6-1-77 8-4-77 8-30-77 10-6-77	b 49.6 b 10.9 b 10.5 b 14.6
11518050	East Fork Scott River at Callahan, CA	Lat 41°18'15", long 122°46'32", in SE¼NW¼ sec.22, T.40 N., R.8 W., Siskiyou County, 1.0 mi (1.6 kn) downstream from Big Mill Creek, and 1.4 mi (2.3 kn) east of Callahan.	110	1960-74†, 1977	6-2-77 8-5-77 9-7-77 10-4-77	41.5 b 1.53 b 1.14 b 4.90
11518200	South Fork Scott River near Callahan, CA	Lat 41°17'45", long 122°48'32", in SW¼SE¼ sec.20, T.40 N., R.8 W., Siskiyou County, opposite unnamed tributary 1.1 mi (1.8 kn) southwest of Callahan, and 1.5 mi (2.4 kn) upstream from East Fork Scott River.	41.5	1958-60†, 1964, 1966-75e, 1976-77	6-2-77 8-5-77 9-7-77 10-4-77	60.5 b 3.34 b 2.98 b 9.53
11520800	Thompson Creek near Happy Camp, CA	Lat 41°51'48", long 123°18'34", in SE¼ sec.17, T.17 N., R.8 E., Siskiyou County, 50 ft (15 m) upstream from highway bridge, 0.1 mi (0.2 kn) upstream from mouth, and 6.0 mi (9.7 kn) northeast of Happy Camp.	34.9	1968-75e, 1976-77	6-1-77 8-4-77 8-30-77 10-6-77	22.2 b 7.11 b 7.26 b 11.7
11522200	Elk Creek near Happy Camp, CA	Lat 41°44'36", long 123°21'16", in NW¼NE¼ sec.36, T.16 N., R.7 E., Siskiyou County, 0.1 mi (0.2 kn) downstream from East Fork, 4.0 mi (6.4 kn) upstream from mouth, and 4.0 mi (6.4 kn) south of Happy Camp.	90.4	1956-64†, 1967-75e, 1976-77	6-1-77 8-4-77 8-30-77 10-6-77	120 b 17.2 b 15.9 b 28.1

See footnotes at end of table.

Station No.	Station name		Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Klanath River basin--Continued						
11522260	Ti Creek near Sones Bar, CA	Lat 41°31'30", long 123°31'35", unsurveyed, Siskiyou County, Klanath National Forest, at bridge on State Highway 96, 10.5 mi (16.9 km) north of Sones Bar.	9.46	1960-64†, 1965-69a, 1977	8-4-77 b 2.81 8-30-77 b 3.10 10-5-77 b 2.22	
11522300	South Fork Salmon River near Forks of Salmon, CA	Lat 41°13'20", long 123°15'00", in SE¼ sec.30, T.39 N., R.12 W., Siskiyou County, 100 ft (30 m) downstream from Methodist Creek and 4.5 mi (7.2 km) southeast of town of Forks of Salmon.	252	1953-57a, 1957-65†, 1966-76a, 1977d	8-5-77 b 17.7 8-29-77 b 22.9 10-5-77 b 48.1	
11522400	North Fork Salmon River near Forks of Salmon, CA	Lat 41°16'02", long 123°18'12", in NE¼ sec.18, T.10 N., R.8 E., Siskiyou County, 0.4 mi (0.6 km) downstream from Pollocks Gulch, 1.2 mi (1.9 km) upstream from Forks of Salmon, and 1.3 mi (2.1 km) upstream from mouth.	203	1958-64, 1965a, 1977d	8-5-77 b 18.2 8-29-77 b 22.0 10-5-77 b 41.0	
11523030	Red Cap Creek near Orleans, CA	Lat 41°14'25", long 123°32'35", in SW¼ sec.19, T.10 N., R.6 E., Humboldt County, Six Rivers National Forest, 0.5 mi (0.8 km) downstream from Leary Creek, 4.4 mi (7.1 km) south of Orleans, and 4.9 mi (7.9 km) upstream from mouth.	56.1	1958-65†, 1977d	8-5-77 b 12.0 8-30-77 b 9.52 10-6-77 b 17.9	
11523050	Bluff Creek near Weitchpec, CA	Lat 41°14'25", long 123°39'25", in SW¼ sec.19, T.10 N., R.5 E., Humboldt County, Six Rivers National Forest, 0.8 mi (1.3 km) upstream from Aikens Creek, 1.2 mi (1.9 km) upstream from mouth, and 4.4 mi (7.1 km) northeast of Weitchpec.	74.6	1951-57, 1955-56a, 1958-65†, 1977d	8-4-77 b 35.5 8-31-77 b 37.8 10-6-77 b 70.6	
11523700	Coffee Creek near Trinity Center, CA	Lat 41°05'35", long 122°45'10", in NW¼SW¼ sec.2, T.37 N., R.8 W., Trinity County, 0.8 mi (1.3 km) upstream from Little Boulder Creek, 3.2 mi (5.1 km) upstream from mouth, and 8 mi (13 km) northwest of new location of Trinity Center.	107	1957-66†, 1968-75e, 1976-77	6-3-77 b 158 8-5-77 b 21.0 9-8-77 b 18.5 10-4-77 b 31.5	
11525520	Deadwood Creek at Lewiston, CA	Lat 40°43'02", long 122°48'04", in SW¼NW¼ sec.17, T.33 N., R.8 W., Trinity County, 300 ft (91 m) upstream from mouth and 0.7 mi (1.7 km) northeast of Lewiston.	9.10	1965-75, 1976-77	6-3-77 b 0.78 8-1-77 0 9-9-77 0 10-11-77 b .41	
11525800	Weaver Creek near Douglas City, CA	Lat 40°40'06", long 122°56'31", in NE¼SE¼ sec.36, T.33 N., R.10 W., Trinity County, 0.2 mi (0.3 km) downstream from highway bridge, and 1.3 mi (2.1 km) north of Douglas City.	48.4	1958-70†, 1971e, 1977	6-3-77 b 5.57 8-1-77 b .07 9-9-77 0 10-4-77 b 1.89	
11525900	Browns Creek near Douglas City, CA	Lat 40°38'35", long 122°58'45", in NE¼SW¼ sec.10, T.32 N., R.10 W., Trinity County, 2 mi (3 km) upstream from mouth, and 2.1 mi (3.4 km) west of Douglas City.	71.6	1957-67†, 1970-71e, 1977	6-3-77 b 7.98 8-1-77 b .84 9-9-77 b .83 10-11-77 b 4.61	
11527400	New River at Denny, CA	Lat 40°56'45", long 123°22'55", in NE¼ sec.33, T.7 N., R.7 E., Trinity County, Trinity National Forest, at private road bridge, 0.3 mi (0.5 km) northeast of Denny, and 0.5 mi (0.8 km) downstream from Quinby Creek.	173	1928-29†, 1959-69†, 1977d	8-3-77 b 17.4 9-9-77 b 15.1 10-6-77 b 34.1	
11528400	Hayfork Creek near Hayfork, CA	Lat 40°31'10", long 123°05'05", in SW¼ sec.23, T.31 N., R.11 W., Trinity County, Trinity National Forest, 5.8 mi (9.3 km) south- west of Hayfork.	86.7	1956-65†, 1966-72a, 1974-76a, 1977d	8-9-77 b 0.18 9-1-77 b .16 10-7-77 b 4.90	
11528500	Hayfork Creek near Hyaupon, CA	Lat 40°37'34", long 123°26'01", in SE¼NW¼ sec.19, T.3 N., R.7 E., Trinity County, Trinity National Forest, 1.2 mi (1.9 km) upstream from mouth, and 1.3 mi (2.1 km) northeast of Hyaupon.	378	1953-74†, 1977d	8-9-77 b 6.09 9-1-77 b 5.93 10-7-77 b 17.0	

See footnotes at end of table.

DISCHARGE MEASUREMENTS AT SELECTED SITES

Station No.	Station name	Drainage area (mi ²)	Period of record	Measurements	
				Date	Discharge (ft ³ /s)
Klamath River basin--Continued					
11529000	South Fork Trinity River near Salyer, CA	898	1912-13†, 1951-67‡, 1977d	8-2-77 9-2-77 10-11-77	b 32.3 b 35.0 b 69.7
11529800	Willow Creek near Willow Creek, CA	41.0	1959-74†, 1977d	8-2-77 9-2-77 10-6-77	b 8.55 b 7.68 b 11.5
Wilson Creek basin					
11530620	Wilson Creek at U.S. Highway 101, near Klamath, CA	13.2	1977	7-20-77 8-16-77	b 1.16 0
Lake Earl basin					
11530680	Jordan Creek at Crescent City, CA	2.06	1977	7-20-77 8-17-77	b 0.41 b .41
11530720	Yonkers Creek near Crescent City, CA	1.39	1977	7-20-77 8-17-77	b 0.08 b .03
Smith River basin					
11532690	Donnie Creek at Smith River, CA	3.62	1977d	7-20-77 8-18-77 9-15-77	b 1.59 b 1.27 b .94
11532700	Rowdy Creek at Smith River, CA	33.3 (revised)	1957-62†, 1977d	7-19-77 8-17-77 9-15-77	b 6.57 b 4.44 b 4.19
Lopez Creek basin					
11533000	Lopez Creek near Smith River, CA	0.92	1961-66†, 1967-73a, 1977	7-19-77 8-17-77 9-15-77	b 0.07 b .07 b .05

1 Published as Cooper Creek in 1966-68.

* Also a crest-stage partial-record station.

† Operated as a continuous-record gaging station.

a Operated as a crest-stage partial-record station.

b Base flow.

c Published in Water Resources Data for Nevada.

d Quality of water data published in this report.

e Published as a miscellaneous measurement.

f Hydrologic drainage boundary uncertain due to ground-water exchange.

g Affected by canal diversion.

h Data are available since 1938 in reports of California Department of Water Resources.

ARROYO GRANDE BASIN
11141150 ARROYO GRANDE ABOVE PHOENIX CREEK, NEAR ARROYO GRANDE, CA

LOCATION.--Lat 35°11'03", long 120°26'11", in Arroyo Grande Grant, San Luis Obispo County, on right bank at county road bridge 100 ft (30 m) upstream from Phoenix Creek, 8.8 mi (14.2 km) northeast of Arroyo Grande.
DRAINAGE AREA.--13.5 mi² (35.0 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1967 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES. Water years 1968-73.

SEDIMENT-DISCHARGE RECORDS.--Water years 1967-73.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 11...	1325	.28	680	7.6	20.5	7.9	330	21	110
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 11...	14	32	17	.8	2.0	380	0	310	67
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF SILICA CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 11...	25	.3	.3	438	.60	.33	.03	50	20

11141280 LOPEZ CREEK NEAR ARROYO GRANDE, CA

LOCATION.--Lat 35°13'48", long 120°28'22", in SE¼NE¼ sec.16, T.31 S., R.14 E., San Luis Obispo County, on right bank 0.7 mi (1.1 km) upstream from small right-bank tributary, 3.2 mi (5.1 km) upstream from mouth, and 9.2 mi (14.8 km) northeast of Arroyo Grande.

DRAINAGE AREA.--21.6 mi² (55.9 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1967 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES. Water years 1968-72.

SEDIMENT-DISCHARGE RECORDS.--Water years 1968-72.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 11...	1530	.57	800	7.8	24.5	10.1	400	79	87
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 11...	44	13	7	.3	2.1	390	0	320	100
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF SILICA CON- STITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 11...	13	.4	20	472	.64	.73	.01	30	10

WATER-QUALITY DATA FOR SELECTED SITES

ARROYO GRANDE BASIN
11141290 LOPEZ RESERVOIR NEAR ARROYO GRANDE, CA

LOCATION.--Lat 35°11'20", long 120°29'02", in sec. 33, T.31 S., R.14 E., San Luis Obispo County, at dam on Arroyo Grande, 8 mi (13 km) northeast of Arroyo Grande Post Office.
DRAINAGE AREA.--67.7 mi² (175.3 km²).
PERIOD OF RECORD:
WATER-QUALITY DATA.--Water year 1977.

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

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ARROYO GRANDE BASIN
11141600 LOS BERROS CREEK NEAR NIPOMO, CA

LOCATION.--Lat 35°05'17", long 120°30'32", in Nipomo Grant (on boundary), San Luis Obispo County, on left bank at upstream side of bridge, 0.8 mi (1.3 km) downstream from Adobe Creek, and 3.7 mi (6.0 km) northwest of Nipomo.

DRAINAGE AREA.--15.0 mi² (38.8 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1968 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 11...	0845	.06	1100	8.1	17.0	10.1	510	150	100
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 11...	63	46	16	.9	3.8	440	0	360	170
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 11...	54	.5	35	689	.94	.11	.01	50	10

BIG SUR RIVER BASIN
11143000 BIG SUR RIVER NEAR BIG SUR, CA

LOCATION.--Lat 36°14'45", long 121°46'20", in SW¼SW¼ sec.29, T.19 S., R.2 E., Monterey County, on right bank at downstream side of bridge, 0.4 mi (0.6 km) upstream from Post Creek, and 2.6 mi (4.2 km) southeast of town of Big Sur.

DRAINAGE AREA.--46.5 mi² (120.4 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1950 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARD-NESS (CA,MG)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)
AUG 10...	1445	5.0	330	7.9	18.0	10.3	150	14	48
DATE	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 10...	8.2	12	14	.4	1.6	170	0	140	24
DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIOS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 10...	6.6	.5	.4	185	.25	2.50	.02	40	10

WATER-QUALITY DATA FOR SELECTED SITES

LITTLE SUR RIVER BASIN
11143020 LITTLE SUR RIVER NEAR POINT SUR, CA

LOCATION.--Lat 36°19'57", Long 121°53'03", in SE¼ sec.29, T.18 S., R.1 E., Monterey County, at bridge on State Highway 1, 0.5 mi (0.8 km) upstream from mouth, and 2.0 mi (3.2 km) northeast of Point Sur.
DRAINAGE AREA.--39.9 mi² (103.5 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 10...	1230	.82	450	8.1	17.0	10.9	190	19	55
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 10...	13	20	18	.6	1.3	210	0	170	32
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 10...	19	.6	22	267	.36	.59	.01	70	10

GARRAPATA CREEK BASIN
11143046 GARRAPATA CREEK AT STATE HIGHWAY 1, NEAR NOTLEYS LANDING, CA

LOCATION.--Lat 36°25'02", Long 121°54'45", in San Jose Y Sur Chiquito Grant, Monterey County, at bridge on State Highway 1, 800 ft (244 m) upstream from mouth, and 1.5 mi (2.4 km) northwest of Notleys Landing.
DRAINAGE AREA.--10.6 mi² (27.5 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 10...	0930	.37	420	7.7	14.0	9.9	160	22	35
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 10...	18	31	29	1.1	2.2	170	0	140	11
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIOS (SUM OF CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIOS (TONS PER AC-FT)	DIS- SOLVED SOLIOS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 10...	57	.6	.5	241	.33	.24	.40	20	20

SALINAS RIVER BASIN
11149300 NACIMIENTO RESERVOIR NEAR BRADLEY, CA

LOCATION.--Lat 35°45'29", long 120°53'01", in NW¼ sec.15, T.25 S., R.10 E., San Luis Obispo County, at right end of dam on Nacimiento River, 8.6 mi (13.8 km) southwest of Bradley, and 12.3 mi (19.8 km) upstream from mouth.
DRAINAGE AREA.--319 mi² (826 km²).

PERIOD OF RECORD:

MONTH-END CONTENTS.--Water years 1957 to current year.

WATER-QUALITY DATA.--Water year 1977.

AT WEST END (Lat 35°44'44", long 120°59'38", in NW¼ sec.22, T.25 S., R.9 E., San Luis Obispo County)

DATE	TIME	SAMP- LING DEPTH (M) <u>1</u> /	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
24...	1300	.5	465	8.2	24.5	6.8
24...	1301	1.0	469	8.2	24.0	6.8
24...	1302	2.0	468	8.0	23.0	5.3
24...	1303	3.0	468	7.9	23.0	4.6
24...	1304	4.0	463	8.0	23.0	5.4

AT LAS TOBLAS CREEK (Lat 35°43'23", long 120°57'25", in SW¼ sec.25, T.25 S., R.9 E., San Luis Obispo County)

DATE	TIME	SAMP- LING DEPTH (M) <u>1</u> /	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
24...	1350	.5	461	8.4	27.0	7.9
24...	1351	1.0	466	8.2	26.0	7.6
24...	1352	2.0	465	8.1	24.5	6.3
24...	1353	3.0	469	7.8	23.5	3.4
24...	1354	4.0	458	7.6	23.0	2.0

AT RESERVOIR CENTER (Lat 35°44'45", long 120°55'20", in NW¼ sec.20, T.25 S., R.10 E., San Luis Obispo County)

DATE	TIME	SAMP- LING DEPTH (M) <u>1</u> /	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
24...	1445	.5	445	8.1	25.5	7.4
24...	1446	1.0	445	8.2	25.5	7.4
24...	1447	2.0	441	8.2	25.5	7.4
24...	1448	3.0	449	8.1	24.0	6.8
24...	1449	4.0	449	8.1	24.0	6.2
24...	1450	5.0	448	8.0	23.5	4.4
24...	1451	6.0	442	7.8	23.0	3.3
24...	1452	7.0	461	7.5	20.0	1.4
24...	1453	8.0	460	7.2	18.0	1.2
24...	1454	9.0	440	7.3	15.0	1.2
24...	1455	10	423	7.5	13.0	1.1
24...	1456	11	399	7.7	12.0	1.0
24...	1457	12	398	7.8	11.5	1.0

1/ To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

SALINAS RIVER BASIN
11149300 NACIMIENTO RESERVOIR NEAR BRADLEY, CA--Continued

AT DAM (Lat 35°45'30", long 120°53'09", in NW¼ sec.15, T.25 S., R.10 E., San Luis Obispo County)

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
24...	1045	.5	439	8.6	24.5	8.2
24...	1046	1.0	439	8.5	24.5	8.2
24...	1047	2.0	444	8.5	24.0	8.1
24...	1048	3.0	439	8.4	24.0	7.9
24...	1049	4.0	439	8.3	24.0	7.8
24...	1050	5.0	439	8.1	24.0	7.4
24...	1051	6.0	438	8.0	23.5	6.9
24...	1052	7.0	437	7.9	23.0	6.2
24...	1053	8.0	461	7.1	20.0	1.7
24...	1054	9.0	411	6.7	16.0	1.8
24...	1055	10	394	6.5	14.0	1.8
24...	1056	11	386	6.6	12.0	1.7
24...	1057	12	374	6.5	11.5	1.7
24...	1058	13	404	6.7	11.0	1.7
24...	1059	14	375	6.8	10.5	1.7
24...	1100	15	375	6.9	10.5	1.7
24...	1101	16	381	7.0	10.0	1.7
24...	1102	17	372	7.0	10.0	1.7
24...	1103	18	372	7.1	10.0	1.7
24...	1104	19	372	7.2	10.0	1.7
24...	1105	20	367	7.2	10.0	1.7
24...	1106	21	367	7.2	10.0	1.7
24...	1107	22	372	7.2	9.5	1.7
24...	1108	23	372	7.3	9.5	1.7
24...	1109	24	372	7.3	9.5	1.7
24...	1110	25	372	7.3	9.5	1.7
24...	1111	26	372	7.3	9.5	1.7
24...	1112	27	372	7.3	9.5	1.7

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG												
24...	1135	.5	439	8.1	24.0	7.4	210	57	49	22	18	15
24...	1150	12	374	6.5	11.5	1.7	180	31	42	18	14	14

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
AUG											
24...	.5	2.0	190	0	160	70	14	.2	10	280	279
24...	.5	1.8	180	0	150	52	9.8	.2	13	236	240

DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG											
24...	.38	.01	.01	.03	.70	.73	.74	.04	.03	60	30
24...	.32	.01	.00	.12	.24	.36	.37	.09	.06	50	340

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

33

SALINAS RIVER BASIN
11150100 SAN ANTONIO RESERVOIR NEAR BRADLEY, CA

LOCATION.--Lat 35°47'55", long 120°53'02", in SW¼ sec.34, T.24 S., R.10 E., Monterey County, at dam on San Antonio River, 0.7 mi (1.1 km) upstream from Sulphur Canyon, and 6.4 mi (10.3 km) southwest of Bradley.

DRAINAGE AREA.--330 mi² (855 km²).

PERIOD OF RECORD:

MONTH-END CONTENTS.--Water years 1966 to current year.

WATER-QUALITY DATA.--Water year 1977.

AT PLEYTO RECREATION AREA (Lat 35°52'03", long 120°59'41", in Pleyto Grant, Monterey County)

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
25...	1200	.5	446	8.8	26.0	10.2
25...	1201	1.0	446	8.4	26.0	6.0
25...	1202	2.0	454	7.8	24.0	3.0
25...	1203	3.0	449	7.6	24.0	2.9
25...	1204	4.0	439	7.6	24.0	2.2

AT HARRIS CREEK (Lat 35°48'40", long 120°55'55", in Pleyto Grant, Monterey County)

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
25...	1300	.5	405	8.7	25.0	8.1
25...	1301	1.0	404	--	24.5	8.2
25...	1302	2.0	408	--	24.0	8.1
25...	1303	3.0	407	--	23.5	7.3
25...	1304	4.0	407	--	23.5	7.3
25...	1305	5.0	407	--	23.5	6.4
25...	1306	6.0	411	--	23.0	4.9
25...	1307	7.0	411	--	23.0	4.8
25...	1308	8.0	411	--	23.0	3.5
25...	1309	9.0	406	--	23.0	3.4
25...	1310	10	410	--	22.5	3.1
25...	1311	11	404	--	22.5	2.2
25...	1312	12	404	--	22.5	1.6
25...	1313	13	403	--	22.0	1.1
25...	1314	14	407	--	21.5	1.0
25...	1315	15	405	--	21.0	1.0
25...	1316	16	411	--	20.0	.8
25...	1317	17	409	--	19.5	.7
25...	1318	18	414	--	18.0	.6
25...	1319	19	425	--	17.0	.4
25...	1320	20	434	--	15.0	.3
25...	1321	21	425	--	14.0	.1

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

SALINAS RIVER BASIN
11150100 SAN ANTONIO RESERVOIR NEAR BRADLEY, CA--Continued

AT DAM (Lat 35°47'57", long 120°53'10", in sec.34, T.24 S., R.10 E., Monterey County)

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
AUG						
25...	1000	.5	407	8.4	23.5	7.3
25...	1001	1.0	407	8.4	23.5	7.4
25...	1002	2.0	407	8.4	23.5	7.1
25...	1003	3.0	402	8.2	23.5	6.6
25...	1004	4.0	406	8.2	23.0	6.4
25...	1005	5.0	406	8.0	23.0	5.8
25...	1006	6.0	406	8.0	23.0	5.4
25...	1007	7.0	406	8.0	23.0	5.4
25...	1008	8.0	406	8.1	23.0	5.3
25...	1009	9.0	406	8.1	23.0	5.1
25...	1010	10	406	8.1	23.0	5.0
25...	1011	11	406	8.1	23.0	4.5
25...	1012	12	404	8.0	22.5	3.2
25...	1013	13	404	7.8	22.5	2.3
25...	1014	14	404	7.6	22.5	1.5
25...	1015	15	407	7.6	21.5	1.3
25...	1016	16	405	7.5	21.0	1.2
25...	1017	17	405	7.5	20.0	1.0
25...	1018	18	407	7.6	19.0	.9
25...	1019	19	417	7.6	16.5	.8
25...	1020	20	415	7.7	15.5	.6
25...	1021	21	428	7.8	14.5	.5
25...	1022	22	419	8.0	14.0	.4
25...	1023	23	419	8.2	14.0	.4
25...	1024	24	422	8.3	13.0	.4
25...	1025	25	422	8.5	12.5	.1
25...	1026	26	422	8.7	12.5	.0
25...	1027	27	422	8.8	12.5	.0
25...	1028	28	426	9.0	12.0	.0
25...	1029	29	426	9.1	12.0	.0
25...	1030	30	426	9.1	12.0	.0
25...	1031	31	426	9.2	12.0	.0
25...	1032	32	426	9.2	12.0	.0
25...	1033	33	426	9.0	12.0	.0
25...	1034	34	426	--	12.0	.0
25...	1035	35	426	--	12.0	.0
25...	1036	36	426	--	12.0	.0

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG												
25...	1040	4.0	406	8.0	23.0	5.8	180	57	44	17	19	18
25...	1050	19	417	7.6	16.5	.8	180	41	46	16	17	17

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
AUG											
25...	.6	3.7	150	0	120	83	16	.4	18	278	275
25...	.6	3.4	170	0	140	71	15	.4	18	278	271

DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG											
25...	.38	.01	.01	.08	.49	.57	.58	.08	.00	40	20
25...	.38	.01	.01	.68	.42	1.1	1.1	.37	.00	40	130

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

35

SALINAS RIVER BASIN
11150500 SALINAS RIVER NEAR BRADLEY, CA

LOCATION.--Lat 35°55'49", long 120°52'04", in SW¼NW¼ sec.14, T.23 S., R.10 E., Monterey County, on left bank 6 mi (10 km) northwest of Bradley, and 7 mi (11 km) downstream from San Antonio River.

DRAINAGE AREA.--2,535 mi² (6,566 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1948 to current year.

WATER-QUALITY DATA.--Water years 1958, 1962-66, 1972-75, 1977.

SEDIMENT-DISCHARGE RECORDS.--Water year 1950.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)
SEP 01...	1105	554	420	8.1	20.0	8.0	180	41	43	18	19
DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
SEP 01...	18	.6	3.2	170	0	140	72	17	.3	18	276
DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOSPHATE (PO4) (MG/L)
SEP 01...	.38	413	.32	.01	.33	.01	.50	.51	.22	.19	.58
DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BORON (B) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)
SEP 01...	1	1	60	<10	<10	0	1	30	9	0	<50
DATE	SUSPENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	
SEP 01...	<49	1	5	<10	<6	4	1	10	<100	<98	
DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)		
SEP 01...	2	<10	.8	.0	10	0	10	10	7.6		

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA FOR SELECTED SITES

SALINAS RIVER BASIN
11151300 SAN LORENZO CREEK BELOW BITTERWATER CREEK, NEAR KING CITY, CA

LOCATION.--Lat 36°16'05", long 121°03'55", in NE¼ sec.23, T.19 S., R.8 E., Monterey County, on right bank 1.3 mi (2.1 km) downstream from Bitterwater Creek, 5 mi (8 km) northeast of King City, and 10 mi (16 km) upstream from mouth.

DRAINAGE AREA.--233 mi² (603 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1959 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 11...	1245	.22	6000	8.1	25.0	15.3	1500	1100	170
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 11...	250	870	56	9.9	11	400	0	330	2100
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 11...	580	.5	8.0	4190	5.70	2.49	.04	3700	30

11151700 SALINAS RIVER AT SOLEDAD, CA

LOCATION.--Lat 36°24'40", long 121°19'06", on boundary between San Vicente and Los Coches Grants, Monterey County, near right bank on upstream end of pier on U.S. Highway 101, 0.9 mi (1.4 km) south of Soledad, and 1 mi (2 km) upstream from Arroyo Seco.

DRAINAGE AREA.--3,563 mi² (9,228 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1969 to current year.

WATER-QUALITY DATA.--Water years 1972-75, 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	
SEP 01...	1345	208	434	8.5	23.5	9.2	180	0	150	.24	.00	.24	
DATE	TIME	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
SEP 01...	.00	.21	.21	.22	.17	.52	2	1	<10	<10	0	<1	
DATE	TIME	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUSPENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	
SEP 01...	10	20	0	<50	<49	1	5	<10	<9	1	1		
DATE	TIME	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	
SEP 01...		<100	<98	2	<10	.5	.0	20	0	30	6	3.9	

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA FOR SELECTED SITES

37

SALINAS RIVER BASIN
11152200 SALINAS RIVER NEAR GONZALES, CA

LOCATION.--Lat 36°29'12", long 121°28'06", in Paraje de Sanchez Grant, Monterey County, at upstream side of Gonzales Road bridge, 2.0 mi (3.2 km) southwest of Gonzales.
DRAINAGE AREA.--3,977 mi² (10,300 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	
SEP 01...	1520	430	8.6	24.5	9.7	190	47	47	
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
SEP 01...	18	21	19	.7	3.0	170	3	140	77
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
SEP 01...	13	.4	18	284	.39	.02	60	10	

11152500 SALINAS RIVER NEAR SPRECKELS, CA
(National stream-quality accounting network station)

LOCATION.--Lat 36°37'52", long 121°40'17", in Nacional Grant, Monterey County, on right bank on downstream side of bridge on Salinas-Monterey highway, 0.8 mi (1.3 km) upstream from El Toro Creek, 1.6 mi (2.6 km) northwest of Spreckels, and 2 mi (3 km) south of Salinas.

DRAINAGE AREA.--4,156 mi² (10,764 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1900-1, 1930 to current year.

WATER-QUALITY DATA.--Water years 1952-54, 1958-70, 1972 to current year.

BIOLOGICAL DATA.--Water years 1975 to current year.

SPECIFIC CONDUCTANCE.--Water years 1975 to current year.

WATER TEMPERATURES.--Water years 1967 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1950-51, 1967 to current year.

TURBIDITY.--Water year 1973.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)
SEP 01...	1650	1.4	1100	7.2	22.5	7.8	220	31	54	21	110
DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
SEP 01...	50	3.2	14	230	0	190	62	170	.4	45	663
DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOSPHATE (PO4) (MG/L)
SEP 01...	.90	2.51	8.7	.08	8.8	17	11	28	15	11	34

WATER-QUALITY DATA FOR SELECTED SITES

SALINAS RIVER BASIN
11152500 SALINAS RIVER NEAR SPRECKELS, CA--continued

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BORON (B) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)
SEP 01...	5	1	320	<10	<9	1	<1	40	10	0	<50

DATE	SUS- PENDE D COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)
SEP 01...	<49	1	5	70	49	21	18	50	<100	<97

DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP 01...	3	<10	.1	.3	120	50	70	70	42

< Actual value is known to be less than the value shown.

PAJARO RIVER BASIN
11156500 SAN BENITO RIVER NEAR WILLOW CREEK SCHOOL, CA

LOCATION.--Lat 36°36'34", long 121°12'07", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.15 S., R.7 E., San Benito County, on left bank 0.9 mi (1.4 km) northwest of Willow Creek School, 1.3 mi (2.1 km) downstream from Willow Creek, and 10 mi (16 km) northwest of San Benito.

DRAINAGE AREA.--249 mi² (645 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1940 to current year.

WATER-QUALITY DATA.--Water years 1959-67, 1977.

		INSTAN- TANEOUS DIS- CHARGE	SPE- CIFIC CON- DUCT- ANCE	PH	TEMPER- ATURE	DIS- SOLVED OXYGEN	HARD- NESS	NON- CAR- BONATE HARD- NESS	DIS- SOLVED CAL- CIUM
DATE	TIME	(CFS)	(MICRO- MHOS)	(UNITS)	(DEG C)	(MG/L)	(CA, MG)	(MG/L)	(CA) (MG/L)
AUG 15...	1100	.10	1700	8.1	25.0	12.2	620	190	52
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)							
AUG 15...	120	170	37	3.0	3.4	520	0	430	350
	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
AUG 15...	130	.4	11	1090	1.48	.29	.01	1400	10

WATER-QUALITY DATA FOR SELECTED SITES

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PAJARO RIVER BASIN
11157500 TRES PINOS CREEK NEAR TRES PINOS, CA

LOCATION.--Lat 36°45'13", long 121°17'03", in Santa Ana y Quien Sabe Grant, San Benito County, on right bank 3.5 mi (5.6 km) southeast of Tres Pinos, and 6.2 mi (10.0 km) upstream from mouth.
DRAINAGE AREA.--206 mi² (534 km²).
PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1940 to current year.
WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 15...	1300	.54	1130	7.8	24.0	9.6	400	100	77
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 15...	50	110	37	2.4	2.7	360	0	300	200
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 15...	74	.3	28	724	.98	1.06	.76	850	20

11159150 CORRALITOS CREEK NEAR CORRALITOS, CA

LOCATION.--Lat 37°00'20", long 121°48'25", in Los Corralitos Grant, Santa Cruz County, 0.5 mi (0.8 km) downstream from Mornan Gulch, 1.2 mi (1.9 km) upstream from Corralitos, and 7 mi (11 km) northwest of Watsonville.
DRAINAGE AREA.--10.6 mi² (27.5 km²).
PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 19...	1210	1.3	580	7.4	15.0	9.7	240	2	53
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 19...	26	25	18	.7	3.8	290	0	240	38
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 19...	14	.2	43	346	.47	1.21	.09	60	30

WATER-QUALITY DATA FOR SELECTED SITES

PAJARO RIVER BASIN
11159500 PAJARO RIVER AT WATSONVILLE, CA

LOCATION.--Lat 36°54'19", long 121°45'01", in Bolsa del Pajaro Grant, Santa Cruz County, at bridge on State Highway 1, in Watsonville and 5 mi (8 km) upstream from mouth.

DRAINAGE AREA.--1,273 mi² (3,297 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 19...	0930	.02	1600	7.5	21.5	6.8	660	100	81
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 19...	110	110	26	1.9	9.6	680	0	560	210
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 19...	93	.5	21	971	1.32	.05	.01	610	60

APTOS CREEK BASIN
11159690 APTOS CREEK NEAR APTOS, CA

LOCATION.--Lat 37°00'06", long 121°54'18", in Aptos Grant, Santa Cruz County, on right bank under county road bridge, 0.4 mi (0.6 km) downstream from small right-bank tributary, and 1.7 mi (2.7 km) north of Aptos.

DRAINAGE AREA.--10.2 mi² (26.4 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1972 to current year.

WATER-QUALITY DATA.--Water year 1977.

SEDIMENT-DISCHARGE RECORDS.--Water years 1976-77.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 25...	1130	.50	900	7.8	14.5	9.4	330	43	72
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 25...	37	110	41	2.6	5.6	350	0	290	100
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 25...	110	.3	37	645	.88	.87	.09	150	40

WATER-QUALITY DATA FOR SELECTED SITES

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APTOS CREEK BASIN
11159700 APTOS CREEK AT APTOS, CA

LOCATION.--Lat 36°58'33", long 121°54'05", in Aptos Grant, Santa Cruz County, at Aptos 0.6 mi (1.0 km) upstream from mouth.

DRAINAGE AREA.--12.3 mi² (31.9 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 25...	1030	.40	1080	7.9	14.0	9.7	340	52	73
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 25...	38	86	35	2.0	5.5	350	0	290	91
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 25...	100	.2	37	604	.82	.65	.14	130	30

SOQUEL CREEK BASIN
11159800 WEST BRANCH SOQUEL CREEK NEAR SOQUEL, CA

LOCATION.--Lat 37°03'03", long 121°56'17", in NW¼ sec.23, T.10 S., R.1 W., Santa Cruz County, 0.5 mi (0.8 km) upstream from mouth and 4.5 mi (7.2 km) north of Soquel.

DRAINAGE AREA.--12.2 mi² (31.6 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 25...	1330	.73	625	7.6	16.5	8.9	240	22	53
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 25...	25	55	33	1.6	5.0	260	0	210	48
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 25...	70	.3	48	433	.59	.85	.08	120	30

WATER-QUALITY DATA FOR SELECTED SITES

 SOQUEL CREEK BASIN
 11160000 SOQUEL CREEK AT SOQUEL, CA

LOCATION.--Lat 36°59'29", long 121°57'17", in NE¼ sec.10, T.11 S., R.1 W., Santa Cruz County, on left bank 0.2 mi (0.3 km) upstream from highway bridge in town of Soquel, and 0.4 mi (0.6 km) downstream from Bates Creek.

DRAINAGE AREA.--40.2 mi² (104.1 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951 to current year.

WATER-QUALITY DATA.--Water years 1952-66, 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1976-77.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 19...	1330	.09	680	7.7	19.0	8.2	290	93	79
DATE	TIME	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHORUS (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 19...	23	47	26	1.2	5.2	240	0	200	110
DATE	TIME	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) TUENTS (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 19...	58	.3	39	480	.65	.12	.01	100	30

 SAN LORENZO RIVER BASIN
 11160020 SAN LORENZO RIVER NEAR BOULDER CREEK, CA

LOCATION.--Lat 37°12'24", long 122°08'38", in NE¼SW¼ sec.25, T.8 S., R.3 W., Santa Cruz County, on right bank 22 ft (7 m) upstream from culvert on State Highway 9, 100 ft (30 m) upstream from small right-bank tributary, and 5.8 mi (9.3 km) north of town of Boulder Creek.

DRAINAGE AREA.--6.17 mi² (15.98 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1968 to current year.

WATER-QUALITY DATA.--Water years 1973-75, 1977.

SEDIMENT-DISCHARGE RECORDS.--Water years 1976.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 17...	1530	.08	600	7.7	20.0	8.4	240	5	76
DATE	TIME	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHORUS (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 17...	13	30	21	.8	1.4	290	0	240	46
DATE	TIME	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) TUENTS (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 17...	15	.4	23	348	.47	.08	.03	260	60

WATER-QUALITY DATA FOR SELECTED SITES

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SAN LORENZO RIVER BASIN
11160070 BOULDER CREEK AT BOULDER CREEK, CA

LOCATION.--Lat 37°07'36", long 122°07'18", in NW¼NE¼ sec.30, T.9 S., R.2 W., Santa Cruz County, on right bank under bridge on State Highway 9 in town of Boulder Creek, and 0.1 mi (0.2 km) upstream from mouth.

DRAINAGE AREA.--11.3 mi² (29.3 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1974 to current year.

WATER-QUALITY DATA.--Water years 1973-75, 1977.

SEDIMENT-DISCHARGE RECORDS.--Water years 1976-77.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 18...	0930	.54	300	7.0	17.0	8.5	110	12	29
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHORIC SODIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 18...	9.1	13	20	.5	2.1	120	0	100	14
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 18...	10	.1	18	156	.21	.23	.28	20	70

11160300 ZAYANTE CREEK AT ZAYANTE, CA

LOCATION.--Lat 37°05'10", long 122°02'45", in SE¼ sec.2, T.10 S., R.2 W., Santa Cruz County, on left bank at downstream side of bridge on Zayante Road in town of Zayante, 0.4 mi (0.6 km) upstream from Lompico Creek, 2.0 mi (3.2 km) east of Ben Lomond, and 3.2 mi (5.1 km) upstream from mouth.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1958 to current year.

WATER-QUALITY DATA.--Water years 1973-74, 1977.

WATER TEMPERATURES.--Water years 1970-73.

SEDIMENT-DISCHARGE RECORDS.--Water years 1970-73, 1976-77.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 25...	1515	.01	800	8.0	22.0	10.2	270	26	81
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHORIC SODIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 25...	17	62	33	1.6	4.0	300	0	250	71
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 25...	65	.4	33	482	.66	.01	.09	180	40

WATER-QUALITY DATA FOR SELECTED SITES

SAN LORENZO RIVER BASIN
11160500 SAN LORENZO RIVER AT BIG TREES, CA

LOCATION.--Lat 37°02'40", long 122°04'17", in Zayante Grant, Santa Cruz County, on right bank 20 ft (6 m) upstream from bridge on Henry Cowell State Park Road, 200 ft (61 m) upstream from Shingle Mill Creek, 0.3 mi (0.5 km) downstream from Zayante Creek, 0.9 mi (1.4 km) northwest of Big Trees station on Southern Pacific Railroad, and 5.3 mi (8.5 km) northwest of Santa Cruz.
DRAINAGE AREA.--106 mi² (275 km²).
PERIOD OF RECORD:
WATER-DISCHARGE RECORDS.--Water years 1937 to current year.
WATER-QUALITY DATA.--Water years 1906-7, 1952-67, 1969-70, 1973-75, 1977.
WATER TEMPERATURES: Water years 1966 to current year.
SEDIMENT-DISCHARGE RECORDS.--Water years 1973 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 18...	1145	6.7	425	6.9	18.0	9.1	140	17	44
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 18...	7.4	27	29	1.0	2.0	150	0	120	37
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 18...	28	.2	.2	221	.30	4.00	.29	80	30

11161500 BRANCIFORTE CREEK AT SANTA CRUZ, CA

LOCATION.--Lat 36°59'10", long 122°00'48", in NE&SW¼ sec.7, T.11 S., R.1 W., Santa Cruz County, in Santa Cruz, 15 ft (5 m) downstream from Market Street bridge, and 1.0 mi (1.6 km) upstream from mouth.
DRAINAGE AREA.--17.3 mi² (44.8 km²).
PERIOD OF RECORD:
WATER-QUALITY DATA.--Water years 1973-75, 1977.

		INSTAN- TANEOUS DIS- CHARGE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS	DIS- SOLVED CAL- CIUM (CA)
DATE	TIME	(CFS)	(MHOS)	(UNITS)		(MG/L)	(MG/L)	(MG/L)	(MG/L)
AUG 26...	0950	1.1	600	7.7	15.5	8.3	220	20	59
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K)	BICAR- BONATE (HCO3)	CAR- BONATE (CO3)	ALKA- LINITY AS CACO3	DIS- SOLVED SULFATE (SO4)
DATE	(MG/L)	(MG/L)			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
AUG 26...	17	41	29	1.2	3.2	240	0	200	65
	DIS- SOLVED CHLO- RIDE (CL)	DIS- SOLVED FLUO- RIDE (F)	DIS- SOLVED SILICA (SiO2)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N)	DIS- SOLVED BORON (B)	DIS- SOLVED IRON (FE)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(UG/L)	(UG/L)
AUG 26...	37	.3	29	370	.50	1.10	.10	140	60

WATER-QUALITY DATA FOR SELECTED SITES

45

MAJORS CREEK BASIN
11161570 MAJORS CREEK NEAR SANTA CRUZ, CA

LOCATION.--Lat 36°59'55", long 122°07'13", in Refugio Grant, Santa Cruz County, on left bank 1.5 mi (2.4 km) downstream from small left-bank tributary, 1.7 mi (2.7 km) upstream from State Highway No. 1, and 5.5 mi (8.8 km) northwest of Santa Cruz Post Office.

DRAINAGE AREA.--3.77 mi² (9.76 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 18...	1630	.76	425	7.6	16.0	9.5	180	53	64
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 18...	4.0	16	16	.5	1.7	150	0	120	72
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIOS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 18...	16	.1	.1	250	.34	.51	.37	20	20

LAGUNA CREEK BASIN
11161590 LAGUNA CREEK NEAR DAVENPORT, CA

LOCATION.--Lat 37°01'32", long 122°07'48", in SW¼SW¼ sec.30, T.10 S., R.2 W., Santa Cruz County, on right bank 0.2 mi (0.3 km) upstream from Reggiardo Creek, 0.4 mi (0.6 km) downstream from small left-bank tributary, and 3.6 mi (5.8 km) northeast of Davenport.

DRAINAGE AREA.--3.07 mi² (7.95 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	
AUG 18...	1500	.14	385	7.5	15.0	9.2	160	0	55	
DATE	TIME	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM RATIO	SODIUM AD- SORP- TION (K) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 18...	6.4	12	14	.4	2.1	200	0	160	16	
DATE	TIME	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 18...	9.7	.1	30	230	.31	.09	.03	20	20	

WATER-QUALITY DATA FOR SELECTED SITES

SAN VICENTE CREEK BASIN
11161800 SAN VICENTE CREEK NEAR DAVENPORT, CA

LOCATION.--Lat 37°03'19", long 122°10'52", on east boundary of San Vicente Grant, Santa Cruz County, on right bank, 0.6 mi (1.0 km) downstream from small right-bank tributary, 1.2 mi (1.9 km) upstream from Mill Creek, and 3.1 mi (5.0 km) north of Davenport.

DRAINAGE AREA.--6.07 mi² (15.72 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1961 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 26...	1120	.23	215	7.1	13.5	9.5	197	63	0	18
DATE	TIME	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 26...	4.3	16	35	.9	1.9	83	0	68	7.0	
DATE	TIME	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TUEENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 26...	14	.1	27	129	.18	.08	.05	30	20	

PESCADERO CREEK BASIN
11162500 PESCADERO CREEK NEAR PESCADERO, CA

LOCATION.--Lat 37°15'39", long 122°19'40", in SW¼ sec.5, T.8 S., R.4 W., San Mateo County, on left bank at downstream side of highway bridge, 3.0 mi (4.8 km) east of Pescadero, and 5.3 mi (8.5 km) upstream from mouth.

DRAINAGE AREA.--45.9 mi² (118.9 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1965 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1971, 1973.

DATE	TIME	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)
JUL 27...	1500	.09	1070	7.8	17.0	9.9	54	330	13	84	28	110
DATE	TIME	PERCENT SODIUM	SODIUM ADSORPTION RATIO	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TUEENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (MG/L)
JUL 27...	42	2.7	5.4	380	0	310	68	140	.4	28	652	.89
DATE	TIME	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
JUL 27...	.16	116	52	52	.09	.11	.62	.71	.26	790	40	

WATER-QUALITY DATA FOR SELECTED SITES

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PURISIMA CREEK BASIN
11162600 PURISIMA CREEK NEAR HALF MOON BAY, CA

LOCATION.--Lat 37°26'06", long 122°22'23", in Canada de Verde y Arroyo de la Purisima Grant, San Mateo County, 15 ft (5 m) downstream from county road bridge, 3.6 mi (5.8 km) southeast of Half Moon Bay, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--4.83 mi² (12.51 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
AUG 29...	1300	.21	805	7.9	16.5	9.4	290	13	84
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG 29...	20	35	20	.9	3.3	340	0	280	60
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)
AUG 29...	26	.5	24	421	.57	.24	.05	100	20

SAN PEDRO CREEK BASIN
11162655 SAN PEDRO CREEK AT PACIFICA, CA

LOCATION.--Lat 37°35'30", long 122°30'07", in San Pedro (Sanchez) Grant, San Mateo County, at Pacifica, 0.3 mi (0.5 km) upstream from State Highway 1, 0.4 mi (0.6 km) upstream from mouth.

DRAINAGE AREA.--7.08 mi² (18.34 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
AUG 29...	1100	.52	580	7.7	16.0	9.8	200	3	47
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG 29...	20	31	25	1.0	.9	240	0	200	16
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)
AUG 29...	37	.3	19	290	.39	.41	.02	50	20

WATER-QUALITY DATA FOR SELECTED SITES

COLMA CREEK BASIN
11162720 COLMA CREEK AT SOUTH SAN FRANCISCO, CA

LOCATION.--Lat 37°39'14", long 122°25'31", in Buri Buri Grant, San Mateo County, on left bank in Orange Memorial Park, 1.0 mi (1.6 km) southwest of South San Francisco Post Office.

DRAINAGE AREA.--10.8 mi² (28.0 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1964 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1970-76.

SEDIMENT-DISCHARGE RECORDS.--Water years 1966-76.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)
JUL 27...	1030	.30	1130	8.7	19.0	10.8	60	510	160	90	70	110
DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
JUL 27...	31	2.1	9.9	380	24	340	190	150	.5	22	890	1.21
DATE	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
JUL 27...	.72	85	16	61	9.8	8.1	7.8	18	1.0	190	40	

COYOTE CREEK BASIN
11170000 COYOTE CREEK NEAR MADRONE, CA

LOCATION.--Lat 37°10'06", long 121°38'55", near southeast corner of La Laguna Seca Grant, Santa Clara County, on right bank 1.2 mi (1.9 km) downstream from Anderson Dam, and 1.8 mi (2.9 km) northeast of Madrone.

DRAINAGE AREA.--196 mi² (508 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1903-12, 1917 to current year.

WATER-QUALITY DATA.--Water years 1952-66, 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)
AUG 10...	1015	36	428	8.0	16.0	9.9	10	210	19	47	22	21
DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG 10...	18	.6	2.0	230	0	190	43	12	.2	8.4	269	.37
DATE	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
AUG 10...	26.1	63	63	0	.03	.03	.42	.45	.03	120	20	

WATER-QUALITY DATA FOR SELECTED SITES

49

ALAMEDA CREEK BASIN
11173200 ARROYO HONDO NEAR SAN JOSE, CA

LOCATION.--Lat 37°27'42", long 121°46'06", in NE4NE4 sec.32, T.5 S., R.2 E., Santa Clara County, on right bank 150 ft (46 m) upstream from road bridge, 3.5 mi (5.6 km) southeast of Calaveras Dam, 3.5 mi (5.6 km) northeast of city limits of San Jose.

DRAINAGE AREA.--77.1 mi² (199.7 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1969 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
AUG 17...	1100	.21	450	7.8	20.0	9.6	180	0	49
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG 17...	14	26	24	.8	1.7	230	0	190	32
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (IN) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 17...	13	.3	14	264	.36	.15	.01	420	40

SAN LORENZO CREEK BASIN
11181008 CASTRO VALLEY CREEK AT HAYWARD, CA

LOCATION.--Lat 37°40'48", long 122°04'46", in San Lorenzo (Castro) Grant, Alameda County, on left bank at Hayward, 700 ft (213 m) upstream from mouth, and 700 ft (213 m) downstream from small left-bank tributary.

DRAINAGE AREA.--5.51 mi² (14.27 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1972 to current year.

WATER-QUALITY DATA.--Water years 1972-73, 1975, 1977.

SEDIMENT-DISCHARGE RECORDS.--Water years 1972-73.

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)
AUG 10...	1415	834	7.9	18.0	12.2	20	260	0	51	33	100
DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
AUG 10...	45	2.7	2.2	380	0	310	50	82	.4	7.7	514
DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)
AUG 10...	.70	42	42	0	.03	.03	.62	.65	.34	460	40

WATER-QUALITY DATA FOR SELECTED SITES

 RICHMOND INNER HARBOR
 UNNAMED CREEK AT RICHMOND INDUSTRIAL SITE, CA

LOCATION.--Lat 37°54'57", long 122°20'35", in San Pablo Grant, Contra Costa County, at Richmond Industrial Site in Richmond.

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	PH (UNITS)	TEMPER- ATURE (DEG C)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
AUG 25...	1100	7.8	19.5	11	190	28	39	23	35	28	1.1

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED (SUM OF TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT)
AUG 25...	1.1	200	0	160	35	43	.5	23	302	.41

DATE	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDEO SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 25...	7	7	4	.80	.76	.71	1.5	.36	120	60

 PACHECO CREEK BASIN
 11183000 SAN RAMON CREEK AT WALNUT CREEK, CA

LOCATION.--Lat 37°52'38", long 122°02'52", in San Ramon Grant, Contra Costa County, on left bank 600 ft (183 m) upstream from Rudgear Road, near south city limits of town of Walnut Creek.

DRAINAGE AREA.--47.9 mi² (124.1 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1953 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
AUG 11...	1030	.14	792	8.3	21.5	11.7	17	290	0	60	33	87

DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED (SUM OF TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS AC-FT)
AUG 11...	40	2.2	1.8	420	0	340	60	55	.5	21	526	.72

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDEO SOLIDS (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 11...	.20	23	23	0	.03	.03	.55	.58	.35	540	30

WATER-QUALITY DATA FOR SELECTED SITES

51

PACHECO CREEK BASIN
11183600 WALNUT CREEK AT CONCORD, CA

LOCATION.--Lat 37°56'43", long 122°02'55", in Arroyo de las Nueces y Bolbones Grant, Contra Costa County, on right bank at southwest city limits of Concord, 0.2 mi (0.3 kn) upstream from Southern Pacific Railroad bridge, and 3.8 mi (6.1 kn) downstream from confluence of San Ramon and Las Trampas Creeks.

DRAINAGE AREA.--85.1 mi² (220.4 kn²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1969 to current year.
WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)
AUG 11...	1215	1.9	1340	8.0	23.5	17.9	21	400	0	73	53	160
DATE	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
AUG 11...	46	3.5	3.0	500	0	410	110	170	.5	12	836	1.14
DATE	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
AUG 11...	4.29	70	70	3	1.1	1.2	.93	2.0	.06	2600	30	

BUENA VISTA LAKE BASIN
11187000 KERN RIVER AT KERNVILLE, CA

LOCATION.--Lat 35°45'34", long 118°25'12", in NE¼NW¼ sec.15, T.25 S., R.33 E., Kern County, on left bank 0.5 mi (0.8 kn) upstream from highway bridge at Kernville, 1.7 mi (2.7 kn) upstream from Caldwell Creek, 9.5 mi (15.3 kn) upstream from Isabella Dam, and 42 mi (68 kn) northeast of Bakersfield.

DRAINAGE AREA.--1,009 mi² (2,613 kn²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1905-12, 1954 to current year.

WATER-QUALITY DATA.--Water years 1975 to current year.

WATER TEMPERATURES.--Water years 1962 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1967-74.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
AUG 11...	1100	89	188	7.2	21.0	10	8.6	17	1.9	18	2.0	80
SEP 06...	1500	--	177	8.2	24.5	1	--	16	2.3	17	2.0	89
27...	1300	89	201	7.0	19.0	2	--	17	2.9	21	2.2	94
DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	
AUG 11...	0	69	10	8.0	.2	8.3	115	105	.16	27.6	.01	
SEP 06...	0	73	8.4	8.0	.2	14	97	112	.13	--	--	
27...	0	77	12	9.2	.2	15	112	126	.15	26.9	--	

WATER-QUALITY DATA FOR SELECTED SITES

TULARE LAKE BASIN
11209900 KAWEAH RIVER AT THREE RIVERS, CA

LOCATION.--Lat 36°26'38", long 118°54'09", in SW¼SW¼ sec.13, T.17 S., R.28 E., Tulare County, on right bank opposite schoolhouse in Three Rivers, 0.2 mi (0.3 km) downstream from North Fork Kaweah River.

DRAINAGE AREA.--418 mi² (1,083 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1959 to current year.

WATER-QUALITY DATA.--Water years 1964-66, 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)
AUG 10...	1700	20	115	8.0	27.0	8.4	19
SEP 27...	0800	19	132	7.1	18.0	9.5	44

11213500 KINGS RIVER ABOVE NORTH FORK, NEAR TRIMMER, CA

LOCATION.--Lat 36°51'48", long 119°07'24", in NW¼NE¼ sec.27, T.12 S., R.26 E., Fresno County, on right bank at Rogers Crossing, 0.9 mi (1.4 km) upstream from North Fork, 2.9 mi (4.7 km) south of Balch Camp, and 9.6 mi (15.4 km) southeast of Trimmer.

DRAINAGE AREA.--952 mi² (2,466 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1927-29, 1932 to current year.

WATER-QUALITY DATA.--Water years 1951-55, 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)
AUG 10...	1230	120	64	7.3	26.0	0	8.8	6.3	.6	3.8	1.0	21
SEP 07...	1300	--	64	7.3	24.0	0	--	7.8	.7	4.0	1.1	23
26...	1130	78	36	7.4	18.0	1	9.8	7.3	.8	4.7	1.1	25

DATE	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO ₂) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED NITRATE (N) (MG/L)
AUG 10...	0	20	6.9	2.8	.1	9.2	40	41	.05	13.0	.01
SEP 07...	0	19	3.6	3.1	.1	9.6	29	41	.04	--	--
26...	0	21	4.2	3.3	.1	10	32	44	.04	6.74	--

WATER-QUALITY DATA FOR SELECTED SITES

53

SAN JOAQUIN RIVER BASIN
11266700 TAMARACK CREEK AT TAMARACK FLAT CAMPGROUND, NEAR EL PORTAL, CA

LOCATION.--Lat 37°45'03", long 119°44'03", in NE¼NW¼ sec.23, T.2 S., R.20 E., Mariposa County, in Yosemite National Park, at culvert on Big Oak Flat Road at Tamarack Flat Campground, 5.7 mi (9.2 km) northeast of El Portal, and 8.2 mi (13.2 km) west of Yosemite Village.

DRAINAGE AREA.--4.31 mi² (11.16 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1970-77 (low-flow partial-record station).

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
AUG 17...	1500	E.04	24	6.8	15.0	1	7.1	1.4	.0	2.0	.4	11
SEP 08...	1300	--	--	6.8	--	1	--	3.7	.1	1.9	.5	10
29...	1410	.03	20	6.8	10.0	1	8.2	1.5	.2	2.0	.5	9

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)
AUG 17...	0	11	1.4	.2	.0	11	15	22	.02	.00	.01
SEP 08...	0	8	.9	.4	.0	12	11	24	.02	--	--
29...	0	7	4.4	.7	.1	11	18	25	.02	.00	--

11279400 SMOKY JACK CREEK AT SMOKY JACK CAMPGROUND, NEAR YOSEMITE VILLAGE, CA

LOCATION.--Lat 37°49'00", long 119°42'41", in NW¼NW¼ sec.31, T.1 S., R.21 E., Tuolumne County, in Yosemite National Park, 12 ft (4 m) downstream from culvert on Tioga Road, 8.5 mi (13.7 km) northeast of Yosemite Village, and 10.6 mi (17.1 km) northeast of El Portal.

DRAINAGE AREA.--4.15 mi² (10.75 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1970-77 (low-flow partial-record station).

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
AUG 17...	1140	E.04	18	6.7	16.0	1	8.0	1.7	.0	2.0	.4	10
SEP 29...	1200	E.25	24	6.8	8.0	1	9.9	1.7	.3	2.4	.5	9

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)
AUG 17...	0	13	.6	.2	.0	11	17	21	.02	.00	.01
SEP 29...	0	10	1.5	.5	.0	11	4	22	.01	--	--

E Estimated.

WATER-QUALITY DATA FOR SELECTED SITES

 SAN JOAQUIN RIVER BASIN
 11281000 SOUTH FORK TUOLUMNE RIVER NEAR OAKLAND RECREATION CAMP, CA

LOCATION.--Lat 37°49'18", long 120°00'43", in SE¼SE¼ sec.29, T.1 S., R.18 E., Tuolumne County, Stanislaus National Forest, on right bank 75 ft (23 m) downstream from highway bridge on Big Oak Flat Road, 0.5 mi (0.8 km) southwest of Oakland Recreation Camp, and 0.6 mi (1.0 km) upstream from Middle Tuolumne River.

DRAINAGE AREA.--87.0 mi² (225.3 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1923 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	ALKALINITY AS CaCO3 (MG/L)
JUL 29...	0830	.60	127	7.9	19.0	8.2	62
AUG 19...	0930	.45	141	8.1	20.5	8.2	69
SEP 28...	1300	1.2	117	8.2	15.5	9.9	54

11292500 CLARK FORK STANISLAUS RIVER NEAR DARDANELLE, CA

LOCATION.--Lat 38°21'50", long 119°52'13", in NE¼NE¼ sec.22, T.6 N., R.19 E., Tuolumne County, Stanislaus National Forest, on right bank 0.5 mi (0.8 km) upstream from mouth, and 2.6 mi (4.2 km) northwest of Dardanelle.

DRAINAGE AREA.--67.5 mi² (175 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	ALKALINITY AS CaCO3 (MG/L)
JUL 28...	1315	16	78	8.0	19.0	--	41
AUG 18...	1315	13	86	8.0	18.5	8.4	43
SEP 29...	0910	9.8	90	7.2	9.5	9.2	43

11292700 MIDDLE FORK STANISLAUS RIVER AT HELLS HALF ACRE BRIDGE, NEAR PINECREST, CA

LOCATION.--Lat 38°14'49", long 120°01'51", in SW¼NE¼ sec.31, T.5 N., R.18 E., Tuolumne County, on left bank 200 ft (61 m) upstream from Donnell powerhouse, 800 ft (244 m) downstream from Hells Half Acre bridge, 1.1 mi (1.8 km) upstream from Cow Creek, and 4.7 mi (7.6 km) northwest of Pinecrest.

DRAINAGE AREA.--287 mi² (743 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1956 to current year. Prior to October 1965, published as Middle Fork Stanislaus River at Hells Half Acre bridge.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	ALKALINITY AS CaCO3 (MG/L)
JUL 29...	1300	11	67	8.0	21.0	8.2	30
AUG 18...	1545	12	59	7.9	21.5	8.0	25
SEP 29...	1100	13	55	7.8	15.0	8.6	26

SACRAMENTO RIVER BASIN

11355010 PIT RIVER BELOW PIT NO. 1 POWERHOUSE, NEAR FALL RIVER MILLS, CA

LOCATION.--Lat 40°59'00", long 121°30'39", in NE¼NW¼ sec.15, T.36 N., R.4 E., Shasta County, on left bank 0.9 mi (1.4 km) downstream from Pit No. 1 powerhouse and 4 mi (6 km) southwest of Fall River Mills.

DRAINAGE AREA.--3,761 mi² (9,741 km²), excluding Goose Lake basin.

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1975 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	ALKA- LITY AS CAC03 (MG/L)
AUG 15...	1500	1890	155	8.5	18.5	9.0	74
SEP 13...	0845	1190	159	8.2	15.5	9.3	77
DEC 13...	1300	1390	169	7.8	8.5	10.7	75

11355500 HAT CREEK NEAR HAT CREEK, CA

LOCATION.--Lat 40°41'12", long 121°25'25", in NE¼SE¼ sec.28, T.33 N., R.5 E., Shasta County, on right bank 0.8 mi (1.3 km) northeast of Old Station Post Office, and 8 mi (13 km) southeast of Hat Creek Post Office.

DRAINAGE AREA.--162 mi² (420 km²), hydrologic drainage boundary uncertain owing to ground-water exchange.

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1926-29, 1930 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	ALKA- LITY AS CAC03 (MG/L)
JUL 14...	1230	125	153	7.9	11.0	9.7	77
AUG 15...	1245	115	140	8.1	11.0	9.9	77
SEP 12...	1415	128	152	7.9	11.0	9.6	77
DEC 13...	1500	121	154	7.7	8.5	10.5	75

WATER-QUALITY DATA FOR SELECTED SITES

SACRAMENTO RIVER BASIN
11360500 BURNEY CREEK AT PARK AVENUE, NEAR BURNEY, CA

LOCATION.--Lat 40°52'35", long 121°40'13", in NE4SE4 sec.19, T.3S N., R.3 E., Shasta County, on right bank upstream edge of Park Avenue bridge, 0.4 mi (0.6 km) southwest of Burney Post Office, and 3.5 mi (5.6 km) upstream from Goose Creek.

DRAINAGE AREA.--94.6 mi² (245.0 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1911-13 (published as "at Burney"), 1921-22, 1958-64, 1966-74 (published as "near Burney"), 1975, 1977.

WATER-QUALITY DATA.--Water years 1951-58, 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL 14...	0900	9.7	114	7.7	15.0	1	8.4	12	5.3	4.8	1.5	73
AUG 16...	0745	13	106	7.5	13.5	2	8.9	11	4.3	3.6	1.0	72
SEP 13...	1030	7.9	108	7.6	12.0	1	9.9	10	5.5	4.5	1.0	70
DEC 13...	0945	16	91	7.4	5.0	3	11.3	9.2	4.6	4.0	1.2	59

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
JUL 14...	0	60	1.5	.3	.0	30	86	91	.12	.02	.00	.02
AUG 16...	0	59	1.7	.4	.0	30	73	88	.10	.01	.00	.01
SEP 13...	--	57	1.1	.4	.1	29	88	86	.12	--	--	--
DEC 13...	--	48	4.5	.9	.1	27	70	81	.10	--	--	--

11379000 ANTELOPE CREEK NEAR RED BLUFF, CA

LOCATION.--Lat 40°12'14", long 122°07'02", in Rio De Los Berrendos Grant, Tehama County, on right bank 1.8 mi (2.9 km) upstream from diversion dam of Los Molinos Mutual Water Co., 6.5 mi (10.5 km) east of Red Bluff, and 9.7 mi (15.6 km) upstream from mouth.

DRAINAGE AREA.--123 mi² (319 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1941 to current year.

WATER-QUALITY DATA.--Water years 1959-66, 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS-SIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL 13...	1300	28	166	8.3	26.0	6	9.4	13	7.5	13	1.6	91
AUG 15...	0900	28	165	8.0	22.0	1	8.4	12	7.6	12	1.8	91
SEP 12...	1015	29	167	8.1	20.5	1	9.9	12	8.1	12	1.6	94

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
JUL 13...	0	75	3.1	9.4	.1	38	119	131	.16	.04	.00	.04
AUG 15...	0	79	.9	9.4	.1	37	110	126	.15	.01	.00	.01
SEP 12...	--	77	1.3	9.3	.0	38	129	129	.18	--	--	--

SACRAMENTO RIVER BASIN
11394500 MIDDLE FORK FEATHER RIVER NEAR MERRIMAC, CA

LOCATION.--Lat 39°42'30", long 121°16'10", in NW¼NE¼ sec.2, T.21 N., R.6 E., Butte County, Plumas National Forest, on left bank 400 ft (122 m) downstream from bridge on Milsap Bar Road, 500 ft (152 m) downstream from Little North Fork, 4.5 mi (7.2 km) southeast of Merrimac, and 20 mi (32 km) northeast of Oroville.
DRAINAGE AREA.--1,062 mi² (2,751 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1952 to current year.

WATER-QUALITY DATA.--Water years 1963-66, 1970-72, 1977.

WATER TEMPERATURES.--Water years 1963 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1970-72.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL 27...	1100	184	133	8.3	20.5	1	8.9	16	4.1	6.8	1.2	76
AUG 15...	1200	163	137	8.3	21.0	1	9.0	15	4.4	6.5	1.3	56
SEP 14...	1045	51	182	8.3	17.5	0	9.5	22	5.4	9.4	1.4	93

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)
JUL 27...	0	62	5.8	2.4	.0	9.5	80	83	.11	.02	.00	.02
AUG 15...	0	46	5.2	2.6	.1	10	90	73	.12	.01	.00	.01
SEP 14...	0	76	10	5.7	.1	13	104	113	.14	.01	.00	.01

11401300 LIGHTS CREEK NEAR TAYLORSVILLE, CA

LOCATION.--Lat 40°10'00", long 120°47'35", in SW¼SW¼ sec.30, T.27 N., R.11 E., Plumas County, Plumas National Forest, 0.4 mi (0.6 km) downstream from Moonlight Creek and 6.7 mi (10.8 km) north of Taylorsville.
DRAINAGE AREA.--57.6 mi² (149.2 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1957-63, 1977 (low-flow partial-record station).

WATER QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)
AUG 02...	1400	.16	169	8.0	24.0	8.2	6.2	7.0	98	80
16...	1500	.16	174	7.9	22.5	7.6	6.2	--	100	82
SEP 12...	1430	.60	180	7.5	13.5	--	6.4	--	100	82

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
AUG 02...	11	.1	0	0	1	2	40	1	.0	2
16...	9.5	.0	0	10	1	3	20	1	.0	10
SEP 12...	--	.0	0	0	1	2	20	2	.0	10

WATER-QUALITY DATA FOR SELECTED SITES

SACRAMENTO RIVER BASIN
11404500 NORTH FORK FEATHER RIVER AT PULGA, CA

LOCATION.--Lat 39°47'39", long 121°27'03", in SW¼NE¼ sec.6, T.22 N., R.5 E., Butte County, Plumas National Forest, on left bank between railroad and highway bridges, 0.5 mi (0.8 km) downstream from Flea Valley Creek and Pulga, and 1.5 mi (2.4 km) downstream from Poe Dam.

DRAINAGE AREA.--1,953 mi² (5,058 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1911 to current year. Prior to October 1960, published as "at Big Bar."

WATER-QUALITY DATA.--Water years 1963-66, 1972, 1977.

WATER TEMPERATURES.--Water years 1963 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
JUL 26...	1300	33	125	8.3	23.5	1	9.1	14	7.0	5.6	1.5	85
AUG 16...	1100	12	147	7.9	20.0	1	8.2	15	7.1	5.6	1.7	90
SEP 13...	1015	12	123	8.2	18.5	1	9.0	12	6.4	4.6	1.6	75

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED NITRATE (N) (MG/L)	DISSOLVED NITRITE (N) (MG/L)	DISSOLVED NITRATE PLUS NITRITE (N) (MG/L)
JUL 26...	0	70	3.2	1.2	.0	13	82	87	.11	.02	.00	.02
AUG 16...	0	74	2.3	1.7	.0	13	79	91	.11	.01	.00	.01
SEP 13...	0	62	2.0	1.5	.0	9.3	61	74	.08	.01	.00	.01

11413000 NORTH YUBA RIVER BELOW GOODYEARS BAR, CA

LOCATION.--Lat 39°31'30", long 120°56'13", in NE¼SW¼ sec.11, T.19 N., R.9 E., Sierra County, Tahoe National Forest, on right bank 200 ft (61 m) downstream from St. Catherine Creek, 3.1 mi (5.0 km) southwest of Goodyears Bar, and 6.4 mi (10.3 km) southwest of Downieville.

DRAINAGE AREA.--250 mi² (648 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1931 to current year. Prior to October 1949, published as North Fork Yuba River below Goodyears Bar.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	ALKALINITY AS CaCO3 (MG/L)
AUG 02...	1000	69	156	8.1	20.5	8.5	74
17...	1015	63	160	8.2	18.0	8.8	77
SEP 12...	1030	60	162	8.2	15.0	9.4	79
DEC 21...	1100	249	118	8.1	4.0	12.2	56

SACRAMENTO RIVER BASIN
11427000 NORTH FORK AMERICAN RIVER AT NORTH FORK DAM, CA

LOCATION.--Lat 38°56'10", long 121°01'22", in SW¼NW¼ sec.31, T.13 N., R.9 E., Placer County, on left bank 50 ft (15 m) upstream from spillway of North Fork Dam, 2 mi (3 km) upstream from Middle Fork, and 4 mi (6 km) north-east of Auburn.

DRAINAGE AREA.--342 mi² (886 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1942 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1960 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	ALKA- LITY AS CAC03 (MG/L)
JUL 11...	1200	28	101	8.3	24.0	9.2	37
AUG 11...	1100	14	106	8.3	23.5	9.1	44
SEP 07...	1130	12	113	8.2	23.5	9.7	48

11433500 MIDDLE FORK AMERICAN RIVER NEAR AUBURN, CA

LOCATION.--Lat 38°55'05", long 121°00'51", in NE¼SW¼ sec.6, T.12 N., R.9 E., Placer County, on right bank at Mountain Quarry Co. plant, 1.4 mi (2.2 km) upstream from mouth, and 3.3 mi (5.3 km) northeast of Auburn.

DRAINAGE AREA.--614 mi² (1,590 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1912 to current year. Prior to October 1934, published as "near East Auburn."

WATER-QUALITY DATA.--Water years 1958-66, 1977.

SEDIMENT-DISCHARGE RECORDS.--Water years 1957-67.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	ALKA- LITY AS CAC03 (MG/L)
JUL 11...	0930	69	80	8.0	23.5	8.8	31
AUG 11...	1000	238	47	7.5	16.0	10.2	16
SEP 07...	0955	294	56	7.5	17.0	10.1	21
DEC 06...	1345	139	450	7.3	9.0	11.9	26

WATER-QUALITY DATA FOR SELECTED SITES

SACRAMENTO RIVER BASIN
11449500 KELSEY CREEK NEAR KELSEYVILLE, CA

LOCATION.--Lat 38°55'39", long 122°50'33", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.34, T.13 N., R.9 W., Lake County, on left bank 1.6 mi (2.6 km) downstream from Widow Creek, and 3.5 mi (5.6 km) south of Kelseyville.
DRAINAGE AREA.--36.6 mi² (94.8 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1947 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 09...	1010	.19	391	7.7	19.0	7.6	200	0	23
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 09...	35	11	11	.3	1.9	270	0	220	3.6
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 09...	7.0	.1	15	230	.31	.12	.01	160	40

11450000 CLEAR LAKE AT LAKEPORT, CA

LOCATION.--Lat 39°02'21", long 122°54'44", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.14 N., R.10 W., Lake County, on private pier at 410 Esplanada Street in Lakeport.
DRAINAGE AREA.--528 mi² (1,368 km²).

PERIOD OF RECORD:

GAGE HEIGHTS.--Water years 1874-1900, 1913 to current year.

WATER-QUALITY DATA.--Water years 1951-67, 1977.

AT LAKE CENTER (Lat 39°04'29", long 122°49'30")

DATE	TIME	SAMPLE DEPTH (M) 1/	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
SEP 27...	0915	.5	339	7.8	19.0	5.7
27...	0916	1.0	339	7.8	19.0	5.6
27...	0917	2.0	339	7.8	19.0	5.6
27...	0918	3.0	339	7.8	19.0	5.6
27...	0919	4.0	339	7.8	19.0	5.6
27...	0920	5.0	339	7.8	19.0	5.6
27...	0921	6.0	339	7.8	19.0	5.6
27...	0922	7.0	339	7.8	19.0	5.5

1/ To convert meters to feet, multiply by 3.281

WATER-QUALITY DATA FOR SELECTED SITES

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SACRAMENTO RIVER BASIN
11450000 CLEAR LAKE AT LAKEPORT, CA--Continued

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
SEP 27...	0935	1.0	339	7.8	19.0	5.7	170	0	33	21	15
DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
SEP 27...	16	.5	2.6	210	0	170	8.5	8.7	.2	14	209
DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 27...	.28	.23	.21	.28	.54	.82	1.1	.19	.19	1300	40

11453900 LAKE BERRYESSA NEAR WINTERS, CA

LOCATION.--Lat 38°30'48", long 122°06'13", in SE¼NW¼ sec.29, T.8 N., R.2 W., Napa County, near center of Monticello Dam on Putah Creek, 7.4 mi (11.9 km) west of Winters.
DRAINAGE AREA.--566 mi² (1,466 km²).
PERIOD OF RECORD:

CONTENTS.--Water years 1957 to current year.

WATER-QUALITY DATA.--Water year 1977.

AT DAM (Lat 38°30'48", long 122°06'16")

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP						
28...	1045	.5	366	8.8	21.5	8.0
28...	1046	1.0	365	8.8	21.5	8.0
28...	1047	2.0	366	8.8	21.5	8.0
28...	1048	3.0	366	8.8	21.5	8.0
28...	1049	4.0	365	8.8	21.5	8.0
28...	1050	5.0	365	8.8	21.5	8.0
28...	1051	6.0	365	8.8	21.5	8.0
28...	1052	7.0	365	8.8	21.5	7.9
28...	1053	8.0	365	8.8	21.0	8.0
28...	1054	9.0	356	8.7	21.0	7.0
28...	1055	10	364	8.4	20.0	4.7
28...	1056	11	356	8.2	20.0	2.9
28...	1057	12	351	8.1	20.0	1.9
28...	1058	13	348	7.9	19.0	1.4
28...	1059	14	343	7.9	17.5	1.9
28...	1100	15	342	7.9	15.5	3.0
28...	1101	16	340	7.9	15.0	3.2
28...	1102	17	341	8.0	14.5	3.4
28...	1103	18	338	8.0	14.5	3.6
28...	1104	19	336	8.0	14.5	3.7
28...	1105	20	335	8.0	14.5	3.8
28...	1106	21	337	8.0	14.0	3.8
28...	1107	22	337	8.0	14.0	3.9
28...	1108	23	335	8.0	14.0	4.0
28...	1109	24	334	8.0	14.0	4.4
28...	1110	25	334	8.0	14.0	4.1
28...	1111	26	337	8.0	13.5	4.2
28...	1112	27	337	8.0	13.5	4.2
28...	1113	28	334	8.0	13.5	4.3
28...	1114	29	335	8.0	13.5	4.4
28...	1115	30	334	8.0	13.5	4.5
28...	1116	52	334	7.7	13.5	3.3

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

SACRAMENTO RIVER BASIN
11453900 LAKE BERRYESSA NEAR WINTERS, CA--Continued

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)
SEP 28...	1130	1.0	365	8.8	21.5	8.0	210	33	28	33	11
DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
SEP 28...	10	.3	1.5	200	5	170	22	6.5	.1	16	222
DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 28...	.30	.02	.03	.01	.05	.06	.08	.01	.01	180	10

NAPA RIVER BASIN
LAKE HENNESSEY NEAR OAKVILLE, CA

LOCATION.--Lat 38°28'55", long 122°22'17", in SW $\frac{1}{4}$ sec.1, T.7 N., R.5 W., Napa County, at dam on Conn Creek,
3.5 mi (5.6 km) northeast of Oakville.

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
SEP 26...	1430	.5	321	8.7	21.5	9.6
26...	1431	1.0	327	8.7	20.5	8.9
26...	1432	2.0	331	8.6	20.0	8.5
26...	1433	3.0	331	8.6	20.0	8.2
26...	1434	4.0	327	8.5	20.0	7.4
26...	1435	5.0	330	8.1	19.5	3.4
26...	1436	6.0	330	7.9	19.5	3.1
26...	1437	7.0	330	7.9	19.5	2.7
26...	1438	8.0	330	7.8	19.5	2.3
26...	1439	9.0	330	7.8	19.5	2.0
26...	1440	10	330	7.8	19.5	1.3
26...	1441	11	330	7.7	19.0	1.0
26...	1442	12	333	7.6	18.5	.6
26...	1443	13	334	7.5	18.0	.5
26...	1444	14	334	7.4	18.0	.5
26...	1445	15	334	7.4	17.5	.5
26...	1446	16	331	7.4	17.5	.5
26...	1447	17	331	7.4	17.5	.5
26...	1448	18	331	7.4	17.5	.5

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

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NAPA RIVER BASIN
LAKE HENNESSEY NEAR OAKVILLE, CA--Continued

DATE	TIME	SAMP- LING DEPTH (M)1/	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
SEP 26...	1450	1.0	321	21.5	9.6	170	10	25	27	12	13
DATE		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
SEP 26...		.4	2.1	200	160	16	8.4	.1	21	210	.29
DATE		TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 26...		.01	.01	.01	.28	.29	.30	.07	.04	140	10

LAGUNITAS CREEK BASIN
11460600 LAGUNITAS CREEK NEAR POINT REYES STATION, CA

LOCATION.--Lat 39°04'49", long 122°47'00", in Nicasio (Black) Grant, Marin County, on right bank at upstream side of road bridge, 300 ft (91 m) downstream from small right-bank tributary, and 1.4 mi (2.3 km) northeast of town of Point Reyes Station.

DRAINAGE AREA.--81.7 mi² (211.6 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1975 to current year.

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA)
DATE	TIME			(UNITS)			(MG/L)		(MG/L)
AUG 10...	1245	1.8	334	7.2	18.0	7.4	150	0	30
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K)	BICAR- BONATE (HCO3)	CAR- BONATE (CO3)	ALKA- LINITY AS CACO3	DIS- SOLVED SULFATE (SO4)
DATE	(MG/L)	(MG/L)			(MG/L)	(MG/L)	(MG/L)	(MG/L)	(MG/L)
AUG 10...	18	13	16	.5	2.0	190	0	160	6.5
	DIS- SOLVED CHLO- RIDE (CL)	DIS- SOLVED FLUO- RIDE (F)	DIS- SOLVED SILICA (SIO2)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N)	DIS- SOLVED BORON (B)	DIS- SOLVED IRON (FE)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(UG/L)	(UG/L)
AUG 10...	11	.1	6.6	181	.25	.88	.01	50	170

1/ To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

LAGUNITAS CREEK BASIN
11460610 OLEMA CREEK AT OLEMA, CA

LOCATION.--Lat 38°02'25", long 122°47'16", in Tomales Y Baulines (Garcia) Grant, Marin County, in town of Olema, 300 ft (91 m) west of intersection of State Highway 1 and Sir Francis Drake Highway.
DRAINAGE AREA.--12.5 mi² (32.4 km²).
PERIOD OF RECORD:
WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 10...	1000	.13	409	6.8	15.0	5.4	170	7	37
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 10...	19	21	21	.7	3.0	200	0	160	14
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS ISUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 10...	25	.2	8.7	227	.31	.08	.02	40	120

RUSSIAN RIVER BASIN
11467000 RUSSIAN RIVER NEAR GUERNEVILLE, CA
(National stream-quality accounting network station)

LOCATION.--Lat 38°30'31", long 122°55'36", in NE¼SE¼ sec.26, T.8 N., R.10 W., Sonoma County, on right bank at downstream side of Hacienda bridge, 0.1 mi (0.2 km) upstream from Hobson Creek, and 3.8 mi (6.1 km) east of Guerneville.
DRAINAGE AREA.--1,338 mi² (3,465 km²).
PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1940 to current year.
WATER-QUALITY DATA.--Water years 1951 to current year.
BIOLOGICAL DATA.--Water years 1975 to current year.
SPECIFIC CONDUCTANCE.--Water years 1974 to current year.
WATER TEMPERATURES.--Water years 1964 to current year.
SEDIMENT-DISCHARGE RECORDS.--Water years 1966 to current year.
TURBIDITY.--Water years 1967 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (NTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)
JUL 08...	1000	53	301	8.1	24.0	4.9	7.7	92	13
12...	1130	23	301	8.0	24.0	5.0	7.7	92	--
21...	1430	34	306	8.3	26.0	5.0	8.0	99	15
26...	1330	16	305	8.2	26.0	4.8	8.6	106	--
AUG 05...	0915	12	289	8.1	26.0	3.9	6.9	85	12
09...	1235	45	301	8.1	24.0	3.5	8.8	105	--
18...	1025	41	299	8.2	22.0	4.4	7.3	83	9
22...	1345	34	258	8.2	25.0	3.6	8.0	96	--
30...	1300	40	301	7.9	26.5	2.1	7.9	98	4
SEP 06...	1200	27	309	8.0	25.0	3.3	7.5	90	--
15...	1045	10	300	8.2	21.0	1.8	8.3	93	11
20...	1220	101	293	8.0	20.5	3.0	8.2	90	--
28...	1430	34	316	8.1	20.5	3.2	8.0	88	10

WATER-QUALITY DATA FOR SELECTED SITES

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 RUSSIAN RIVER BASIN
 11467000 RUSSIAN RIVER NEAR GUERNEVILLE, CA--Continued

DATE	FECAL COLI- FORM (COL./ 100 ML)	FECAL STREP- TOCOC KF AGAR (COL. PER 100 ML)	TOTAL NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
JUL									
08...	26	19	.00	.00	.00	.00	.00	.00	.01
12...	18	14	--	--	--	--	--	--	--
21...	10	67	.00	.02	.02	.00	.01	.02	.00
26...	87	91	--	--	--	--	--	--	--
AUG									
05...	88	64	.00	.00	.01	.00	.00	.00	.00
09...	27	21	--	--	--	--	--	--	--
18...	14	21	.00	.01	.01	.00	.01	.01	.01
22...	88	54	--	--	--	--	--	--	--
30...	13	110	.00	.00	.01	.00	.01	.00	.01
SEP									
06...	34	83	--	--	--	--	--	--	--
15...	84	59	.02	.01	.01	.00	.03	.01	.00
20...	B390	B310	--	--	--	--	--	--	--
28...	25	39	.01	.05	.01	.00	.02	.05	.01

DATE	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHATE (P04) (MG/L)
JUL									
08...	.01	.20	.04	.21	.05	.21	.07	.07	.21
12...	--	--	--	--	--	--	--	--	--
21...	.03	.23	.13	.23	.16	.24	.10	.08	.25
26...	--	--	--	--	--	--	--	--	--
AUG									
05...	.01	.19	.04	.19	.05	.19	.15	.11	.34
09...	--	--	--	--	--	--	--	--	--
18...	.00	.16	.05	.17	.05	.18	.05	.02	.06
22...	--	--	--	--	--	--	--	--	--
30...	.01	.23	.06	.24	.07	.25	.06	.04	.12
SEP									
06...	--	--	--	--	--	--	--	--	--
15...	.02	.17	.01	.17	.03	.20	.06	.06	.18
20...	--	--	--	--	--	--	--	--	--
28...	.00	--	.15	--	.15	--	.07	.06	.18

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	FECAL COLI- FORM (COL./ 100 ML)	FECAL STREP- TOCOC KF AGAR (COL. PER 100 ML)	HARD- NESS (CA,MG)
SEP												
28...	1430	34	316	8.1	20.5	3.2	8.0	88	10	25	39	140

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
SEP												
28...	4	26	17	11	15	.4	1.6	160	0	130	10	8.9

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
SEP											
28...	.2	13	168	167	.23	15.4	.01	.05	.01	.00	.02

B Results based on colony count outside the acceptable range (non-ideal colony count).

WATER-QUALITY DATA FOR SELECTED SITES

 RUSSIAN RIVER BASIN
 11467000 RUSSIAN RIVER NEAR GUERNEVILLE, CA--Continued

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOSPHATE (P04) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)
SEP 28...	.05	.01	.00	.15	.15	.07	.07	.06	.18	0	0
DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	SUS-PENDED BARIUM (BA) (UG/L)	DIS-SOLVED BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)
SEP 28...	2	100	0	100	<10	<10	0	10	10	0	<50
DATE	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)
SEP 28...	<50	0	<10	<8	2	300	10	<100	<99	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)
DATE	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	SUS-PENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)
SEP 28...	1	30	20	10	.0	.0	.0	0	0	DIS-SOLVED SILVER (AG) (UG/L)	TOTAL SILVER (AG) (UG/L)
DATE	DIS-SOLVED SILVER (AG) (UG/L)	TOTAL SILVER (AG) (UG/L)	SUS-PENDED SILVER (AG) (UG/L)	DIS-SOLVED SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)	DIS-SOLVED ORGANIC CARBON (C) (MG/L)
SEP 28...	0	<10	<10	0	10	10	0	1.3	DIS-SOLVED ORGANIC CARBON (C) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	SUS-PENDED ORGANIC CARBON (C) (MG/L)

 FORT ROSS CREEK BASIN
 11467230 FORT ROSS CREEK AT FORT ROSS, CA

LOCATION.--Lat 38°31'04", long 123°14'26", in Muniz Grant, Sonoma County, 100 ft (30 m) upstream from culvert on State Highway 1, 0.2 mi (0.3 km) northeast of Fort Ross.
 DRAINAGE AREA.--1.52 mi² (3.94 km²).
 PERIOD OF RECORD:
 WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 15...	1200	.01	537	7.9	13.5	10.0	220	0	57
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 15...	19	37	27	1.1	2.1	330	0	270	4.0
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 15...	7.1	.2	11	301	.41	.01	.13	180	20

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA FOR SELECTED SITES

67

GUALALA RIVER BASIN
11467555 NORTH FORK GUALALA RIVER AT MOUTH, NEAR GUALALA, CA

LOCATION.--Lat 38°46'47", long 123°29'56", in SE4SE4 sec.23, T.11 N., R.15 W., Mendocino County, 500 ft (152 m) upstream from confluence with South Fork Gualala River, 1.8 mi (2.9 km) northeast of town of Gualala.

DRAINAGE AREA.--48.0 mi² (124.3 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 15...	1405	1.8	190	7.7	19.0	10.1	73	0	19
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 15...	6.2	13	28	.7	1.2	110	0	89	6.8
. DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 15...	5.1	.1	17	123	.17	.60	.01	90	40

GARCIA RIVER BASIN
11467600 GARCIA RIVER NEAR POINT ARENA, CA

LOCATION.--Lat 38°55'35", long 123°37'45", in SW4SW4 sec.3, T.12 N., R.16 W., Mendocino County, on left bank 0.9 mi (1.4 km) downstream from North Fork, and 3.5 mi (5.6 km) northeast of town of Point Arena.

DRAINAGE AREA.--98.5 mi² (255.1 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951-56, 1962 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1964 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 12...	1315	4.6	196	6.8	18.0	7.8	72	0	20
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 12...	5.4	13	28	.7	1.2	100	0	84	13
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 12...	6.2	.1	19	128	.17	1.60	.05	90	70

WATER-QUALITY DATA FOR SELECTED SITES

ELK CREEK BASIN
11467710 ELK CREEK AT STATE HIGHWAY 1, NEAR ELK, CA

LOCATION.--Lat 39°06'08", long 123°42'02", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.1, T.14 N., R.17 W., Mendocino County, at bridge on State Highway 1, 0.4 mi (0.6 km) upstream from mouth, 2 mi (3 km) southeast of town of Elk.

DRAINAGE AREA.--27.3 mi² (70.7 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

			SPE- CIFIC CON- DUCT- ANCE				NON- CAR- BONATE HARD- NESS	DIS- SOLVED CAL- CIUM		
DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	(MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	(MG/L)	(CA) (MG/L)	
AUG 15...	1600	1.3	227	7.4	16.5	8.7	83	0	21	
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	
DATE	(MG/L)	(MG/L)								
AUG 15...	7.3	18	32	.9	1.5	120	0	95	5.6	
	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)						
AUG 15...	9.6	.1	12	135	.18	.47	.01	210	50	

GREENWOOD CREEK BASIN
11467750 GREENWOOD CREEK AT ELK, CA

LOCATION.--Lat 39°07'41", long 123°42'32", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.26, T.15 N., R.17 W., Mendocino County, 800 ft (244 m) upstream from State Highway 1, 0.5 mi (0.8 km) upstream from mouth, and 0.4 mi (0.6 km) southeast of Elk.

DRAINAGE AREA.--24.3 mi² (62.9 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 15...	1640	.13	302	7.1	18.5	7.4	120	0	34
DATE	TIME	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 15...	9.5	18	24	.7	1.4	160	0	130	13
DATE	TIME	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 15...	10	.1	8.4	174	.24	.06	.01	220	50

WATER-QUALITY DATA FOR SELECTED SITES

69

NAVARRO RIVER BASIN
11467990 NORTH FORK NAVARRO RIVER NEAR NAVARRO, CA

LOCATION.--Lat 39°09'24", long 123°38'15", in NW¼SW¼ sec.16, T.15 N., R.16 W., Mendocino County, 200 ft (61 m) upstream from mouth and 5.1 mi (8.2 km) west of Navarro.

DRAINAGE AREA.--73.6 mi² (190.6 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 11...	1055	.35	266	7.0	17.0	7.4	100	0	27
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 11...	9.0	18	27	.8	1.9	160	0	130	3.5
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 11...	10	.1	19	168	.23	.16	.01	340	50

11468000 NAVARRO RIVER NEAR NAVARRO, CA

LOCATION.--Lat 39°10'20", long 123°40'06", in SE¼ sec.7, T.15 N., R.16 W., Mendocino County, on right bank 2.9 mi (4.7 km) downstream from North Fork, 5.2 mi (8.4 km) upstream from mouth, and 6.8 mi (10.9 km) west of Navarro.

DRAINAGE AREA.--303 mi² (785 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951 to current year.

WATER-QUALITY DATA.--Water years 1959-66, 1973 to current year.

WATER TEMPERATURES.--Water years 1966 to current year.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 11...	1245	.56	257	7.0	21.0	8.8	100	0	25
DATE	TIME	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 11...	10	13	21	.6	1.4	150	0	120	7.8
DATE	TIME	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 11...	8.0	.1	9.5	149	.20	.23	.01	180	50

WATER-QUALITY DATA FOR SELECTED SITES

BIG RIVER BASIN
11468100 BIG RIVER NEAR MENDOCINO, CA

LOCATION.--Lat 39°18'48", long 123°41'14", in NW¼NE¼ sec.30, T.17 N., R.16 W., Mendocino County, at road ford, 1.6 mi (2.6 km) upstream from Little North Fork Big River, and 5.9 mi (9.5 km) east of Mendocino.

DRAINAGE AREA.--151 mi² (391 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1959-66, 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 16...	1450	.72	205	7.5	21.0	9.6	78	0	20
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 16...	6.7	14	28	.7	1.6	120	0	96	4.6
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 16...	8.5	.1	11	126	.17	.24	.01	630	70

NOYO RIVER BASIN
11468500 NOYO RIVER NEAR FORT BRAGG, CA

LOCATION.--Lat 39°25'42", long 123°44'12", in NE¼ sec.15, T.18 N., R.17 W., Mendocino County, on right bank 0.7 mi (1.1 km) downstream from South Fork, and 3.5 mi (5.6 km) east of Fort Bragg.

DRAINAGE AREA.--106 mi² (275 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951 to current year.

WATER-QUALITY DATA.--Water years 1959-66, 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	HARDNESS (CA,MG)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
AUG 12...	0915	.98	177	7.0	18.5	7.2	63	0	17
DATE	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG 12...	5.1	12	29	.7	1.4	96	0	79	4.0
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 12...	8.8	.1	11	107	.15	.28	.01	180	10

WATER-QUALITY DATA FOR SELECTED SITES

71

TENMILE RIVER BASIN
11468600 MIDDLE FORK TENMILE RIVER NEAR FORT BRAGG, CA

LOCATION.--Lat 39°34'22", long 123°41'57", in NE¼NE¼ sec.25, T.20 N., R.17 W., Mendocino County, 0.8 mi (1.3 km) upstream from confluence with North Fork Tenmile River, and 10 mi (16 km) northeast of Fort Bragg.

DRAINAGE AREA.--32.9 mi² (85.2 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1965-73.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 16...	1005	.89	162	7.2	15.5	8.5	63	0	17
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 16...	5.1	10	25	.5	1.4	95	0	78	3.1
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 16...	5.8	.1	7.9	97	.13	.23	.01	200	10

11468650 NORTH FORK TENMILE RIVER NEAR FORT BRAGG, CA

LOCATION.--Lat 39°34'24", long 123°42'26", in NE¼NW¼ sec.25, T.20 N., R.17 W., Mendocino County, 800 ft (244 m) upstream from confluence with Middle Fork Tenmile River, and 10.2 mi (16.4 km) northeast of Fort Bragg.

DRAINAGE AREA.--39.1 mi² (101.3 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	
AUG 16...	1100	1.5	179	7.4	16.0	8.9	68	0	18	
DATE	TIME	DIS-SOLVED MAGNE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	DIS-SOLVED P0-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 16...	5.6	11	26	.6	1.3	99	0	81	3.5	
DATE	TIME	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 16...	5.0	.1	14	108	.15	.44	.01	390	30	

WATER-QUALITY DATA FOR SELECTED SITES

TENMILE RIVER BASIN
11468710 SOUTH FORK TENMILE RIVER AT MOUTH, NEAR FORT BRAGG, CA

LOCATION.--Lat 39°32'06", long 123°44'49", in SW¼SW¼ sec.3, T.19 N., R.17 W., Mendocino County, 3,000 ft (914 m) upstream from mouth and 6.8 mi (10.9 km) northeast of Fort Bragg.

DRAINAGE AREA.--38.7 mi² (100.2 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 16...	1230	.44	188	7.3	17.5	9.4	71	0	19
		DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)	PERCENT SODIUM						
AUG 16...	5.7	14	30	.7	1.4	100	0	85	2.5
		DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TONTS) (MG/L)	DIS-SOLVED SOLIDS (TONS) PER AC-FT	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
AUG 16...	8.6	.1	13	114	.16	.14	.03	270	90

MATTOLE RIVER BASIN
11468990 HONEYDEW CREEK NEAR HONEYDEW, CA

LOCATION.--Lat 40°13'23", long 124°06'35", in NE¼SW¼ sec.7, T.3 S., R.1 E., Humboldt County, on left bank just upstream from highway bridge, 0.1 mi (0.2 km) downstream from small right-bank tributary, 1.4 mi (2.3 km) upstream from mouth, and 1.6 mi (2.6 km) south of town of Honeydew.

DRAINAGE AREA.--14.9 mi² (38.6 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1973 to current year.

WATER-QUALITY DATA.--Water year 1977.

SEDIMENT-DISCHARGE RECORDS.--Water year 1973.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
SEP 06...	1700	4.6	240	7.7	24.0	7.0	100	18	34
		DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)	PERCENT SODIUM						
SEP 06...	4.8	8.6	15	.4	1.0	100	0	82	37
		DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TONTS) (MG/L)	DIS-SOLVED SOLIDS (TONS) PER AC-FT	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
SEP 06...	3.2	.2	10	149	.20	1.05	.07	160	30

WATER-QUALITY DATA FOR SELECTED SITES

73

EEL RIVER BASIN
11471500 EEL RIVER AT VAN ARSDALE DAM, NEAR POTTER VALLEY, CA

LOCATION.--Lat 39°23'19", long 123°06'54", in NE¼ sec.30, T.18 N., R.11 W., Mendocino County, on left bank
1,000 ft (305 m) downstream from Van Arsdale Dam, and 4.6 mi (7.4 km) north of town of Potter Valley.
DRAINAGE AREA.--349 mi² (904 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1910 to current year.

WATER-QUALITY DATA.--Water years 1972-75, 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	
DATE	TIME			(UNITS)									
AUG 02...	1000	4.8	269	7.8	25.0	7.9	.01	.00	.01	.00	.21	.21	
		DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHATE (PO4) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	
DATE													
AUG 02...	.01	.00	.00	2	1	1	7	<10	<10	0	<1	0	
		TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	SUS- PENDED COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	
DATE													
AUG 02...	9	0	<50	<50	0	5	<10	<9	1	10	<100	<99	
		DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	
DATE													
AUG 02...	1	10	.0	.0	.0	.0	10	0	20	13	1.7	.00	
		TOTAL PCB (UG/L)	TOTAL ALORIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
DATE													
AUG 02...	.0	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
		TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	
DATE													
AUG 02...	.00	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00	

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA FOR SELECTED SITES

EEL RIVER BASIN
11472150 EEL RIVER NEAR DOS RIOS, CA

LOCATION.--Lat 39°37'30", long 123°20'25", in SW¼SW¼ sec.32, T.21 N., R.13 W., Mendocino County, on left bank 1,100 ft (335 m) upstream from Outlet Creek, and 6.3 mi (10.1 km) south of Dos Rios.
DRAINAGE AREA.--528 mi² (1,368 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1967 to current year.

WATER-QUALITY DATA.--Water years 1958 to current year.

WATER TEMPERATURES.--Water years 1967 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1967 to current year.

TURBIDITY.--Water years 1967-68.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 02...	1245	.00	294	8.4	26.0	11.1	120	11	31	9.7	15	21
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)
AUG 02...	.6	1.7	130	0	110	31	12	.1	11	177	.24	.00
DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO PHOS- PHATE (PO4) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)
AUG 02...	.02	.00	.02	.01	.16	.17	.03	.00	.00	1	1	0
DATE	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED BORON (B) (UG/L)	TOTAL CAD- MIUM (CO) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS- PENDE D COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)
AUG 02...	7	1000	<10	<10	0	<1	15	10	0	<50	<50	0
DATE	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)		
AUG 02...	5	<10	<9	1	16	20	<100	<99	1	10		
DATE	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)			
AUG 02...	.0	.0	.0	.0	10	4	6	19	1.3			

< Actual value is known to be less than the value shown.

EEL RIVER BASIN

11472800 MIDDLE FORK EEL RIVER ABOVE BLACK BUTTE RIVER, NEAR COVELO, CA

LOCATION.--Lat 39°49'45", long 123°04'11", in SE¼SW¼ sec.22, T.23 N., R.11 W., Mendocino County, 1.2 mi (1.9 km) upstream from Black Butte River and 9.8 mi (15.8 km) northeast of Covelo.

DRAINAGE AREA.--204 mi² (528 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1966-70.

SEDIMENT-DISCHARGE RECORDS.--Water years 1968-70.

TURBIDITY.--Water year 1968.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DATE	TIME			(UNITS)					
AUG 24...	1745	1.0	364	8.8	24.5	9.6	120	46	38
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
			PERCENT SODIUM						
AUG 24...	7.0	21	27	.8	1.6	90	0	74	31
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 24...	52	.0	8.6	204	.28	.57	.00	480	20

11472900 BLACK BUTTE RIVER NEAR COVELO, CALIF.

LOCATION.--Lat 39°49'15", long 123°04'50", in SE¼ sec.28, T.23 N., R.11 W., Mendocino County, on right bank 10 ft (3 m) upstream from highway bridge, 0.5 mi (0.8 km) upstream from mouth, and 9.5 mi (15.3 km) east of Covelo.

DRAINAGE AREA.--162 mi² (420 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1965-66, 1977.

SPECIFIC CONDUCTANCE.--Water years 1967-68.

WATER TEMPERATURES.--Water years 1964-75.

SEDIMENT-DISCHARGE RECORDS.--Water years 1966-73.

TURBIDITY.--Water years 1966-68.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 24...	1630	.11	294	8.8	26.0	10.0	130	46	41
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 24...	6.3	6.8	10	.3	1.3	100	1	84	64
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 24...	2.6	.1	10	183	.25	.05	.01	100	50

WATER-QUALITY DATA FOR SELECTED SITES

EEL RIVER BASIN
11474500 NORTH FORK EEL RIVER NEAR MINA, CA

LOCATION.--Lat 39°56'18", long 123°20'36", in SW¼ sec.8, T.24 N., R.13 W., Mendocino County, on right bank 0.2 mi (0.3 km) upstream from county road bridge, 1.4 mi (2.3 km) upstream from Asbill Creek, and 2 mi (3 km) south of Mina.

DRAINAGE AREA.--248 mi² (642 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1973-75.

SEDIMENT-DISCHARGE RECORDS.--Water years 1966-67, 1973-76.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 25...	0945	.22	307	8.0	22.0	6.4	130	32	36
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 25...	8.6	11	16	.4	1.4	120	0	96	37
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
AUG 25...	14	.1	9.5	177	.24	.11	150	20	

11475000 EEL RIVER AT FORT SEWARD, CA

LOCATION.--Lat 40°13'05", long 123°37'54", in SE¼NE¼ sec.8, T.3 S., R.5 E., Humboldt County, on right bank at downstream side of bridge, 1.0 mi (1.6 km) southeast of Fort Seward, 1.9 mi (3.1 km) upstream from Dobbryn Creek, and 11.8 mi (19.0 km) northeast of Garberville.

DRAINAGE AREA.--2,107 mi² (5,457 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1955 to current year.

WATER-QUALITY DATA.--Water years 1972-75, 1977.

WATER TEMPERATURES.--Water years 1961 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1966-76.

TURBIDITY.--Water years 1966-68, 1971-73.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	
AUG 02...	1640	6.0	261	8.6	28.0	9.5	.01	.43	.44	.01	0	
DATE		SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)	
AUG 02...	0	1	7	<10	<10	0	<1	5	10	0	<50	
DATE		SUS- PENDED COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
AUG 02...	<50	0	5	<10	<9	1	16	<100	<100	0	10	

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA FOR SELECTED SITES

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EEL RIVER BASIN
11475000 EEL RIVER AT FORT SEWARD, CA--Continued

DATE	DIS-SOLVED MERCURY (MG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZIN) (UG/L)	SUS- PENDED ZINC (ZIN) (UG/L)	DIS- SOLVED ZINC (ZIN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL PCB (UG/L)	TOTAL ALDRIN (UG/L)	
AUG 02...	.0	.0	10	6	4	22	1.4	.00	.0	.00	
DATE	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELORIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	
AUG 02...	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00	
DATE	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
AUG 02...	.00	.00	.00	.00	.00	.00	0	.00	.00	.00	.00

11475100 DOBBYN CREEK NEAR FORT SEWARD, CA

LOCATION.--Lat 40°14'14", long 123°38'05", in NW¼NE¼ sec.5, T.3 S., R.5 E., Humboldt County, on left bank at downstream side of county road bridge, 0.2 mi (0.3 km) upstream from Conley Creek, 1.2 mi (1.9 km) northeast of Fort Seward, and 1.6 mi (2.6 km) upstream from mouth.
DRAINAGE AREA.--61.4 mi² (159.0 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1973-76.

SEDIMENT-DISCHARGE RECORDS.--Water years 1973-76.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 23...	1000	3.6	302	8.5	19.5	9.5	140	16	41
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 23...	9.4	9.2	12	.3	1.4	150	1	120	40
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 23...	4.4	.1	8.0	189	.26	1.84	.02	120	20

WATER-QUALITY DATA FOR SELECTED SITES

EEL RIVER BASIN
11475250 EEL RIVER AT SOUTH FORK, CA

LOCATION.--Lat 40°21'04", long 123°54'48", in SE¼NE¼ sec.2, T.1 S., R.2 E., Humboldt County, 0.2 mi (0.3 km) upstream from Northwestern Pacific Railroad Bridge, 0.4 mi (0.6 km) north of town of South Fork, and 0.5 mi (0.8 km) upstream from South Fork.

DRAINAGE AREA.--2,266 mi² (5,869 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1952 to current year.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 03...	0900	11	288	8.3	21.5	9.5	150	16	41
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 03...	11	8.4	11	.3	1.3	160	0	130	24
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 03...	5.9	.1	13	184	.25	5.81	.00	170	20

11475500 SOUTH FORK EEL RIVER NEAR BRANSCOMB, CA

LOCATION.--LAT 39°43'09", long 123°39'06", in NW¼ sec.32, T.22 N., R.16 W., Mendocino County, 0.4 mi (0.6 km) upstream from Jack of Hearts Creek and 4.7 mi (7.6 km) north of Branscomb.

DRAINAGE AREA.--43.9 mi² (113.7 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1961-70.

SEDIMENT-DISCHARGE RECORDS.--Water years 1957-70.

TURBIDITY.--Water years 1966-68.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 24...	0945	.46	157	7.8	19.5	7.5	48	0	13
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 24...	3.7	14	38	.9	1.3	90	0	74	2.4
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 24...	5.3	.1	5.3	90	.12	.11	.01	580	40

WATER-QUALITY DATA FOR SELECTED SITES

79

EEL RIVER BASIN
11475800 SOUTH FORK EEL RIVER AT LEGGETT, CA

LOCATION.--Lat 39°52'29", long 123°43'10", in NE¼SE¼ sec.3, T.23 N., R.17 W., Mendocino County, on right bank near Standish-Hickey State Park, 0.2 mi (0.3 km) upstream from Rock Creek, and 0.7 mi (1.1 km) northwest of Leggett.

DRAINAGE AREA.--248 mi² (642 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water year 1966 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	
DATE	TIME			(UNITS)							
AUG 23...	1700	7.2	255	8.7	24.0	10.1	110	4	27	11	
		DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	
DATE											
AUG 23...	11		17	.5	1.4	130	1	110	12	9.8	.1
		DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
DATE											
AUG 23...		6.3	144	.20	2.80	.02	.02	.00	270	20	

11475940 EAST BRANCH SOUTH FORK EEL RIVER NEAR GARBERVILLE, CA

LOCATION.--Lat 40°04'27", long 123°46'08", in SE¼NE¼ sec.31, T.4 S., R.4 E., Humboldt County, just upstream from Panther Canyon, 1.9 mi (3.1 km) upstream from mouth, and 2.3 mi (3.7 km) southeast of Garberville.

DRAINAGE AREA.--74.3 mi² (192.4 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	
AUG 23...	1500	.95	289	8.3	26.0	9.2	140	4	36	11	
DATE	TIME	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
AUG 23...	10	14	.4	1.8	160	0	130	24	6.6	.1	
DATE	TIME	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
AUG 23...	10	179	.24	.46	.01	.01	.01	.01	70	20	

WATER-QUALITY DATA FOR SELECTED SITES

EEL RIVER BASIN
11476600 BULL CREEK NEAR WEOTT, CA

LOCATION.--Lat 40°21'05", long 124°00'10", in SW¼NW¼ sec.30, T.1 S., R.2 E., Humboldt County, on left bank 0.2 mi (0.3 km) downstream from Albee Creek, 4.5 mi (7.2 km) northwest of Weott, and 4.6 mi (7.4 km) upstream from mouth.

DRAINAGE AREA.--28.1 mi² (72.8 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1961 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1976 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1976 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 25...	1640	1.1	259	8.5	21.0	9.6	110	3	34
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 25...	6.1	11	18	.5	1.6	130	0	110	19
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 25...	6.6	.1	6.6	149	.20	.45	.00	60	20

11476700 LARABEE CREEK NEAR HOLMES, CA

LOCATION.--Lat 40°24'30", long 123°54'00", in SW¼ sec.1, T.1 S., R.2 E., Humboldt County, 50 ft (15 m) downstream from Balcom Creek, 2.8 mi (4.5 km) upstream from mouth, and 2.8 mi (4.5 km) east of Holmes.

DRAINAGE AREA.--84.1 mi² (217.8 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1964, 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
SEP 12...	1235	3.5	273	8.8	-20.5	10.1	120	5	34
	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)		SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)	PERCENT SODIUM						
SEP 12...	8.4	10	15	.4	1.4	140	0	110	21
	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(UG/L)	(UG/L)
SEP 12...	5.5	.1	7.9	157	.21	1.48	.01	50	20

WATER-QUALITY DATA FOR SELECTED SITES

81

EEL RIVER BASIN
11477000 EEL RIVER AT SCOTIA, CA

LOCATION.--Lat 40°29'30", long 124°05'55", in SW¼ sec.5, T.1 N., R.1 E., Humboldt County, near center of span in left pier of bridge on U.S. Highway 101, 0.5 mi (0.8 km) north of Scotia, and 6 mi (10 km) upstream from Van Duzen River.

DRAINAGE AREA.--3,113 mi² (8,063 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1911 to current year.

WATER-QUALITY DATA.--Water years 1952-75, 1977.

WATER TEMPERATURES.--Water years 1958 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1955 to current year.

TURBIDITY.--Water years 1965-68, 1972-73.

DATE	TIME	DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 03...	1110	38	305	8.3	20.5	9.3	150	7	39	12	11	14
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)
AUG 03...	.4	1.5	170	0	140	21	6.0	.1	10	185	.25	19.0
DATE	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHOPHOSPHORUS (P) (MG/L)	DIS-SOLVED ORTHOPHOSPHATE (P04) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)
AUG 03...	.01	.00	.01	.00	.11	.11	.01	.00	.00	2	1	1
DATE	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED BORON (B) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUSPENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)
AUG 03...	7	170	<10	<10	0	<1	0	10	0	<50	<50	0
DATE	TOTAL COBALT IN BOTTOM MATERIAL (UG/G)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	SUSPENDED MERCURY (HG) (UG/L)
AUG 03...	5	<10	<9	1	13	10	<100	<99	1	10	.0	.0
DATE	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	POLYCHLORINATED NAPHTHALENES (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	TOTAL ALDRIN (UG/L)	
AUG 03...	.0	.0	10	6	4	14	1.6	.00	.0	0	.00	
DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	
AUG 03...	.0	.0	0	.00	.0	.00	.0	.00	.0	.00	.0	

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA FOR SELECTED SITES

EEL RIVER BASIN
11477000 EEL RIVER AT SCOTIA, CA--Continued

DATE	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
AUG 03...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	
AUG 03...	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0	
DATE	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)	
AUG 03...	0	0	.00	.0	.00	0	.00	0	.00	0	

11477700 LITTLE VAN DUZEN RIVER NEAR BRIDGEVILLE, CA

LOCATION.--Lat 40°26'40", long 123°39'15", in SE¼ sec.19, T.1 N., R.5 E., Humboldt County, 0.2 mi (0.3 km)
upstream from Butte Creek, 3 mi (5 km) upstream from mouth, and 7.8 mi (12.6 km) east of Bridgeville.
DRAINAGE AREA.--36.2 mi² (93.8 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 15...	1410	2.3	245	9.0	24.5	9.5	120	8	31
DATE	DIS- SOLVED MAG- NE- SIUM (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 15...	9.8	5.3	9	.2	.8	130	2	110	17
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 15...	4.1	.0	8.2	142	.19	.88	.00	70	10

WATER-QUALITY DATA FOR SELECTED SITES

83

EEL RIVER BASIN
11478500 VAN DUZEN RIVER NEAR BRIDGEVILLE, CA

LOCATION.--Lat 40°28'50", long 123°53'23", in NE¼SE¼ sec.12, T.1 N., R.2 E., Humboldt County, on left bank at downstream side of bridge on State Highway 36, 0.9 mi (1.4 km) upstream from Grizzly Creek, and 5 mi (8 km) west of Bridgeville.

DRAINAGE AREA.--222 mi² (575 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1951 to current year.

WATER-QUALITY DATA.--Water years 1958 to current year.

WATER TEMPERATURES.--Water years 1961 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1955-67.

TURBIDITY.--Water years 1964-67.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 15...	1115	4.9	298	8.1	21.0	9.2	140	16	42
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 15...	8.3	8.4	12	.3	1.3	150	0	120	29
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 15...	5.6	.1	8.6	177	.24	2.34	.00	100	10

11479000 YAGER CREEK NEAR CARLOTTA, CA

LOCATION.--Lat 40°34'15", long 124°02'55", in SW¼NE¼ sec.10, T.2 N., R.1 E., Humboldt County, 0.8 mi (1.3 km) upstream from Cooper Mill Creek, and 2.4 mi (3.9 km) north of Carlotta.

DRAINAGE AREA.--127 mi² (329 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 10...	1430	3.0	281	8.4	22.0	9.4	120	6	36
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 10...	7.6	13	19	.5	1.4	140	0	110	17
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 10...	14	.1	8.7	167	.23	1.35	.00	130	10

WATER-QUALITY DATA FOR SELECTED SITES

ELK RIVER BASIN
11479700 ELK RIVER NEAR FALK, CA

LOCATION.--Lat 40°42'10", long 124°09'20", in NW¼ sec.26, T.4 N., R.1 W., 500 ft (152 m) downstream from Clapp Gulch, 1,300 ft (396 m) downstream from confluence of North and South Forks, 2 mi (3 km) northwest of Falk, and 5 mi (8 km) south of Eureka.

DRAINAGE AREA.--44.2 mi² (114.5 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 16...	1015	1.3	264	7.3	14.0	7.6	89	8	16
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 16...	12	22	34	1.0	2.1	99	0	81	10
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 16...	29	.1	15	156	.21	.55	.08	80	730

JACOBY CREEK BASIN
11480000 JACOBY CREEK NEAR FRESHWATER, CA

LOCATION.--Lat 40°47'30", long 124°00'10", in NW¼ sec.30, T.5 N., R.2 E., Humboldt County, 3.7 mi (6.0 km) northeast of Freshwater.

DRAINAGE AREA.--6.05 mi² (15.67 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
SEP 08...	1045	5.4	176	8.3	12.5	10.2	68	0	18
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
SEP 08...	5.7	9.1	22	.5	1.2	86	0	71	7.0
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
SEP 08...	7.2	.1	13	104	.14	1.52	.10	40	20

MAD RIVER BASIN
11480390 MAD RIVER ABOVE RUTH RESERVOIR, NEAR FOREST GLEN, CA

LOCATION.--Lat 40°18'51", long 123°21'44", in NW¼NW¼ sec.11, T.2 S., R.7 E., Trinity County, Six Rivers National Forest, at bridge on Zenia road, 0.5 mi (0.8 km) southeast of Ruth, and 4.6 mi (7.4 km) southwest of Forest Glen.

DRAINAGE AREA.--103 mi² (267 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1971-73, 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
SEP 07...	1410	.38	109	6.3	25.5	7.0	50	0	15
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
SEP 07...	3.0	4.3	16	.3	.8	61	0	50	10
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 07...	1.6	.1	9.6	75	.10	.08	.15	10	10

11480400 RUTH RESERVOIR NEAR FOREST GLEN, CA

LOCATION.--Lat 40°22'08", long 123°25'56", in NW¼NW¼ sec.19, T.1 S., R.7 E., Trinity County, Six Rivers National Forest, near center of Robert W. Matthews Dam on Mad River, 5.6 mi (9.0 km) west of Forest Glen.

DRAINAGE AREA.--121 mi² (313 km²).

PERIOD OF RECORD:

CONTENTS.--Water years 1967 to current year.

WATER-QUALITY DATA.--Water year 1977.

AT DAM (Lat 40°22'03", long 123°25'52")

DATE	TIME	SAMPLING DEPTH (M) ^{1/}	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
SEP 08...	1305	.5	124	7.9	22.2	7.5
08...	1306	1.0	124	7.9	21.7	7.5
08...	1307	2.0	123	7.9	21.4	7.6
08...	1308	3.0	123	7.8	21.2	7.8
08...	1309	4.0	123	7.7	20.9	7.8
08...	1310	5.0	122	7.7	20.8	7.9
08...	1311	6.0	123	7.7	20.7	7.9
08...	1312	7.0	122	7.7	20.6	8.0
08...	1313	8.0	122	7.7	20.6	7.9
08...	1314	9.0	122	7.7	20.5	7.8
08...	1315	10	123	7.6	20.4	7.7
08...	1316	11	123	7.5	20.4	7.6
08...	1317	12	122	7.5	20.3	7.5
08...	1318	13	122	7.5	20.3	7.4
08...	1319	14	122	7.5	20.3	7.3
08...	1320	15	125	7.5	20.2	7.2
08...	1321	16	124	7.5	20.2	6.9
08...	1322	17	124	7.5	20.2	6.8

^{1/} To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

MAD RIVER BASIN
11480400 RUTH RESERVOIR NEAR FOREST GLEN, CA--Continued

DATE	TIME	SAMP- LING DEPTH (M) ^{1/}	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)
SEP 08...	1330	1.0	123	7.9	22.0	7.5	48	4	15	2.5	3.1
DATE	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF TUENTS) (MG/L)
SEP 08...	12	.2	.8	53	0	43	7.5	1.1	.0	2.9	59
DATE	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (MG/L)	DIS- SOLVED NITRITE NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 08...	.08	.01	.01	.00	.19	.19	.20	.00	.00	10	30

11480410 MAD RIVER BELOW RUTH RESERVOIR, NEAR FOREST GLEN, CA

LOCATION.--Lat 40°22'16", long 123°26'06", in SW¼SW¼ sec.18, T.1 S., R.7 E., Trinity County, Six Rivers National Forest, 1,200 ft (366 m) downstream from Robert W. Matthews Dam, 5.3 mi (8.5 km) northwest of Ruth, and 5.8 mi (9.3 km) west of Forest Glen.

DRAINAGE AREA.--121 mi² (313 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1971-72, 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)
SEP 07...	1640	67	96	6.5	21.0	7.6	49	6	15	
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	
SEP 07...	2.8	3.1	12	.2	.7	52	0	43	7.7	
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
SEP 07...	1.2	.1	3.6	60	.08	10.9	.02	10	60	

^{1/} To convert meters to feet, multiply by 3.281.

MAD RIVER BASIN
11480500 MAD RIVER NEAR FOREST GLEN, CA

LOCATION.--Lat 40°27'30", long 123°30'35", in SW¼ sec.16, T.1 N., R.6 E., Trinity County, Six Rivers National Forest, on right bank 0.7 mi (1.1 km) downstream from Lamb Creek, and 11.1 mi (17.9 km) northwest of Forest Glen.

DRAINAGE AREA.--143 mi² (370 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1953 to current year.

WATER-QUALITY DATA.--Water years 1971-74, 1977.

WATER TEMPERATURES.--Water years 1961 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1957-74.

TURBIDITY.--Water years 1964-67, 1971-74.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
SEP 08...	1010	71	115	6.8	18.0	6.5	51	5	16
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
SEP 08...	2.7	3.2	12	.2	.8	56	0	46	7.5
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
SEP 08...	1.2	.0	3.7	63	.09	12.1	.01	6	10

11480750 MAD RIVER NEAR KNEELAND, CA

LOCATION.--Lat 40°45'50", long 123°53'20", in NW¼NW¼ sec.6, T.4 N., R.3 E., Humboldt County, at mouth of Maple Creek, 30 ft (9 m) upstream from bridge, and 5.4 mi (8.7 km) east of Kneeland.

DRAINAGE AREA.--351 mi² (909 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1971-74, 1977.

WATER TEMPERATURES.--Water years 1966-74.

SEDIMENT-DISCHARGE RECORDS.--Water years 1971-74.

TURBIDITY.--Water years 1971-74.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 11...	1215	75	186	8.2	21.0	9.0	81	3	26
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 11...	3.8	4.4	11	.2	.9	95	0	78	10
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 11...	2.3	.0	6.5	101	.14	20.5	.01	70	20

WATER-QUALITY DATA FOR SELECTED SITES

MAD RIVER BASIN
11480780 MAD RIVER NEAR BLUE LAKE, CA

LOCATION.--Lat 40°50'47", long 123°58'54", in NW¼ sec.5, T.5 N., R.2 E., Humboldt County, on right bank 0.3 mi (0.5 km) upstream from small left-bank tributary, and 2.4 mi (3.9 km) south of town of Blue Lake.

DRAINAGE AREA.--393 mi² (1,018 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1972-74, 1977.

WATER TEMPERATURES.--Water years 1973-76.

SEDIMENT-DISCHARGE RECORDS.--Water years 1973-74.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 12...	1030	73	220	8.3	19.0	9.3	99	9	32
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)							
AUG 12...	4.7	5.1	10	.2	1.0	110	0	93	15
	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
AUG 12...	2.6	.0	7.1	122	.17	24.2	.00	90	10

11480820 NORTH FORK MAD RIVER AT KORBEL, CA

LOCATION.--Lat 40°52'12", long 123°57'35", in SE¼SW¼ sec.28, T.6 N., R.2 E., Humboldt County, at Korbek, 100 ft (30 m) downstream from bridge, 200 ft (61 m) upstream from Sullivan Gulch.

DRAINAGE AREA.--44.4 mi² (115.0 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	
AUG 26...	1030	2.2	253	7.6	18.0	8.5	100	18	34	
DATE	TIME	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	
AUG 26...	4.8	7.8	14	.3	2.3	100	0	85	31	
DATE	TIME	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 26...	9.1	.0	4.5	143	.19	.85	.01	40	50	

WATER-QUALITY DATA FOR SELECTED SITES

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LITTLE RIVER BASIN
11481200 LITTLE RIVER NEAR TRINIDAD, CA

LOCATION.--Lat 41°00'40", long 124°04'50", in NE¼ sec.8, T.7 N., R.1 E., Humboldt County, on right bank 0.5 mi (0.8 km) upstream from Coon Creek, 4.7 mi (7.6 km) southeast of Trinidad, and 9.1 mi (14.6 km) north of Arcata.
DRAINAGE AREA.--44.4 mi² (115.0 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1956 to current year.

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
SEP 01...	1530	4.1	87	7.6	17.5	10.2	38	3	11
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
SEP 01...	2.6	5.4	23	.4	.5	43	0	35	5.4
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
SEP 01...	6.5	.1	9.8	63	.09	.70	.01	30	150

BIG LAGOON BASIN
BIG LAGOON NEAR BIG LAGOON, CA

LOCATION.--Lat 41°10'33", long 124°06'56", Humboldt County, at town of Big Lagoon.
PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	SAMPLING DEPTH (M) 1/	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
SEP 09...	1200	.5	10200	8.3	19.8	8.8
09...	1201	1.0	10200	8.3	19.8	8.8
09...	1202	1.5	10200	8.3	19.8	8.8
09...	1203	2.0	10200	8.3	19.8	8.8
09...	1204	2.5	10200	8.3	19.8	8.8
09...	1205	3.0	10200	8.3	19.8	8.8
09...	1206	3.5	10200	8.3	19.8	8.8
09...	1207	4.0	10200	8.2	19.8	8.7
09...	1208	4.5	10200	8.2	19.8	8.7
09...	1209	5.0	10200	8.2	19.8	8.7
09...	1210	5.5	10300	8.2	19.6	8.4
09...	1211	6.0	10200	8.2	19.6	8.4

1/ To convert meters to feet, multiply by 3.281.

WATER-QUALITY DATA FOR SELECTED SITES

BIG LAGOON BASIN
BIG LAGOON NEAR BIG LAGOON, CA--Continued

DATE	TIME	SAMP- LING DEPTH (M) <u>1/</u>	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
SEP 09...	1215	1.0	8.3	20.0	8.8	1300	1200	79	270	1800	74	
DATE	TIME	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
SEP 09...	22	76	79	0	65	430	3400	.3	2.2	6100	8.30	
DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
SEP 09...		.00	.00	.00	.21	.21	.21	.00	.00	840	30	

REDWOOD CREEK BASIN
11481500 REDWOOD CREEK NEAR BLUE LAKE, CA

LOCATION.--Lat 40°54'22", long 123°48'51", in SE¹/₄NE¹/₄ sec.15, T.6 N., R.3 E., Humboldt County, on right bank
400 ft (122 m) upstream from Lupton Creek, and 9.1 mi (14.6 km) east of town of Blue Lake.

DRAINAGE AREA.--67.6 mi² (175.1 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1953-58, 1973 to current year.

WATER-QUALITY DATA.--Water years 1974-75, 1977.

WATER TEMPERATURES.--Water years 1973 to current year.

SEDIMENT RECORDS.--Water years 1973 to current year.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DATE	TIME			(UNITS)					
SEP 08...	1340	3.6	207	9.2	21.0	10.8	93	11	32
	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DATE			PERCENT SODIUM						
SEP 08...	3.2	4.5	9	.2	.8	94	3	77	23
	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
DATE									
SEP 08...	4.4	.1	3.7	121	.16	1.19	.01	90	30

^{1/} To convert meters to feet, multiply by 3.281.

REDWOOD CREEK BASIN
11482200 REDWOOD CREEK AT SOUTH PARK BOUNDARY, NEAR ORICK, CA

LOCATION.--Lat 41°10'19", long 123°56'55", in SE¼NE¼ sec.16, T.9 N., R.2 E., Humboldt County, Redwood National Park (south boundary), on left bank 150 ft (46 m) downstream from Slide Creek, 8.6 mi (13.8 km) southeast of Orick, and 17 mi (27 km) upstream from mouth.

DRAINAGE AREA.--185 mi² (479 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1971 to current year.

WATER-QUALITY DATA.--Water years 1971 to current year.

WATER TEMPERATURES.--Water years 1974 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1971 to current year.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DFG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (HG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DATE	TIME			(UNITS)					
SEP 13...	1415	9.7	202	8.4	20.0	9.6	95	15	33
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)	PERCENT SODIUM						
SEP 13...	3.0	5.1	10	.2	.8	98	0	80	23
	DIS- SOLVED CHLO- RIDE (CL)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
SEP 13...	4.7	.2	3.8	122	.17	3.20	.03	70	30

11482210 BRIDGE CREEK NEAR ORICK, CA

LOCATION.--Lat 41°11'32", long 123°58'52", unsurveyed, Humboldt County, Redwood National Park, on left bank, 400 ft (122 m) upstream from mouth and 7.7 mi (12.4 km) southeast of Orick.

DRAINAGE AREA.--11.6 mi² (30.0 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1973 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS	DIS-SOLVED CALCIUM	DIS-SOLVED MAGNESIUM
								(MG/L)	(CA)	(MG/L)
OCT 21...	1300	4.5	178	8.3	11.5	10.3	83	25	29	2.6
DATE		DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
OCT 21...	5.1	12	.2	.6	71	0	58	24	5.4	.0
DATE		DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
OCT 21...	5.4	108	.15	1.31	.04	.00	.04	20	250	

WATER-QUALITY DATA FOR SELECTED SITES

 REDWOOD CREEK BASIN
 11482220 REDWOOD CREEK ABOVE HARRY WIER CREEK, NEAR ORICK, CA

LOCATION.--Lat 41°11'50", long 123°59'30", unsurveyed, Humboldt County, Redwood National Park, on left bank 150 ft (46 m) upstream from Harry Wier Creek, 7.2 mi (11.6 km) southeast of Orick, and 14 mi (23 km) upstream from mouth.

DRAINAGE AREA.--202 mi² (523 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1973 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)
OCT 21...	1130	23	216	8.8	13.0	10.0	100	16	36	2.8
DATE	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT 21...	5.1	10	.2	.8	100	1	83	27	4.5	.0
DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
OCT 21...	5.4	132	.18	8.20	.03	.00	.03	40	50	

11482225 HARRY WIER CREEK NEAR ORICK, CA

LOCATION.--Lat 41°11'53", long 123°59'32", unsurveyed, Humboldt County, Redwood National Park, on right bank 150 ft (46 m) upstream from mouth and 7.1 mi (11.4 km) southeast of Orick.

DRAINAGE AREA.--2.96 mi² (7.67 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1973 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1973 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)
OCT 18...	1100	.30	118	8.2	10.0	10.7	47	0	15	2.3
DATE	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT 18...	6.0	21	.4	.8	59	0	48	5.9	6.2	.0
DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
OCT 18...	4.0	69	.09	.06	.01	.00	.01	60	40	

WATER-QUALITY DATA FOR SELECTED SITES

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REDWOOD CREEK BASIN
11482260 MILLER CREEK AT MOUTH, NEAR ORICK, CA

LOCATION.--Lat 41°13'46", long 124°00'36", in NE¼ sec.25, T.10 N., R.1 E., Humboldt County, Redwood National Park, on left bank 100 ft (30 m) upstream from mouth, and 4.7 mi (7.6 km) southeast of Orick.
DRAINAGE AREA.--1.36 mi² (3.52 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1973 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)
OCT 19...	1300	.40	74	7.3	11.0	10.8	30	0	8.4	2.1
DATE	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT 19...	6.0	30	.5	.8	36	0	30	5.0	5.5	.1
DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
OCT 19...	6.6	53	.07	.06	.08	.00	.08	580	30	

11482320 LOW-SLOPE SCHIST CREEK NEAR ORICK, CA

LOCATION.--Lat 41°16'53", long 124°01'49", in NE¼SW¼ sec.2, T.10 N., R.1 E., Humboldt County, Redwood National Park, on right bank 200 ft (61 m) upstream from mouth and 1.6 mi (2.6 km) southeast of Orick.
DRAINAGE AREA.--0.19 mi² (0.49 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1974 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974-75.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)
OCT 18...	1605	.10	62	8.1	11.0	10.7	18	3	3.9	2.0
DATE	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
OCT 18...	6.4	43	.7	.6	18	0	15	2.8	9.8	.0
DATE	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
OCT 18...	6.9	42	.06	.01	.11	.00	.11	40	110	

WATER-QUALITY DATA FOR SELECTED SITES

REDWOOD CREEK BASIN
11482330 HAYES CREEK NEAR ORICK, CA

LOCATION.--Lat 41°17'24", long 124°01'36", in SE¼ sec.35, T.11 N., R.1 E., Humboldt County, Redwood National Park, on right bank 500 ft (152 m) upstream from mouth and 1.7 mi (2.7 km) east of Orick.

DRAINAGE AREA.--0.58 mi² (1.50 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1973 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)
OCT 18...	1435	.20	78	7.0	11.0	10.7	33	1	9.5	2.2
DATE	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT 18...	8.1	34	.6	.6	39	0	32	3.4	9.8	.0
DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED NITRATE PLUS NITRITE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	
OCT 18...	7.1	61	.08	.03	.25	.00	.24	20	50	

11482450 LOST MAN CREEK NEAR ORICK, CA

LOCATION.--Lat 41°19'06", long 123°59'15", in SE¼ sec.19, T.11 N., R.2 E., Humboldt County, Redwood National Park, on right bank 100 ft (30 m) upstream from small right-bank tributary, and 4.4 mi (7.1 km) northeast of Orick.

DRAINAGE AREA.--3.97 mi² (10.28 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1973 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	
OCT 18...	1030	.80	88	7.0	11.5	9.9	37	4	11	2.2	
DATE	TIME	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
OCT 18...	5.6	25	.4	.6	.6	40	0	33	4.0	5.3	.0
DATE	TIME	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRATE PLUS NITRITE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
OCT 18...	7.0	56	.08	.12	.02	.00	.02	20	40		

REDWOOD CREEK BASIN
11482468 LITTLE LOST MAN CREEK AT SITE NO. 2, NEAR ORICK, CA

LOCATION.--Lat 41°19'20", long 124°01'10", in NE¼SE¼ sec.23, T.11 N., R.1 E., Humboldt County, Redwood National Park, on right bank 0.8 mi (1.3 km) upstream from mouth, and 3.2 mi (5.1 km) northeast of Orick.

DRAINAGE AREA.--3.46 mi² (8.96 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1974 to current year.

WATER-QUALITY DATA.--Water years 1974 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
SEP 13...	1445	.26	73	7.3	12.5	10.5	25	0	6.2
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
SEP 13...	2.3	7.3	38	.6	.6	35	0	29	2.5
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
SEP 13...	6.9	.0	7.1	50	.07	.04	.02	20	10

KLAMATH RIVER BASIN
11522300 SOUTH FORK SALMON RIVER NEAR FORKS OF SALMON, CA

LOCATION.--Lat 41°13'20", long 123°15'00", in SE¼ sec.30, T.39 N., R.12 W., Siskiyou County, 100 ft (30 m) downstream from Methodist Creek and 4.5 mi (7.2 km) southeast of town of Forks of Salmon.

DRAINAGE AREA.--252 mi² (653 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 29...	1445	23	159	8.4	21.0	8.9	84	10	23
DATE	TIME	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
AUG 29...	6.5	3.5	8	.2	.9	90	74	5.3	4.3
DATE	TIME	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TONS TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 29...		.0	11	99	.13	6.15	.01	20	30

WATER-QUALITY DATA FOR SELECTED SITES

 KLAMATH RIVER BASIN
 11522400 NORTH FORK SALMON RIVER NEAR FORKS OF SALMON, CA

LOCATION.--Lat 41°16'02", long 123°18'12", in NE¼ sec.18, T.10 N., R.8 E., Siskiyou County, 0.4 mi (0.6 km) downstream from Pollocks Gulch, 1.2 mi (1.9 km) upstream from Forks of Salmon, and 1.3 mi (2.1 km) upstream from mouth.

DRAINAGE AREA.--203 mi² (526 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 29...	1645	22	124	8.4	23.0	8.9	54	0	16
DATE	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 29...	3.4	3.0	11	.2	1.0	67	2	55	3.2
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 29...	2.2	.0	11	75	.10	4.45	.00	9	10

11523030 RED CAP CREEK NEAR ORLEANS, CA

LOCATION.--Lat 41°14'25", long 123°32'35", in SW¼ sec.19, T.10 N., R.6 E., Humboldt County, Six Rivers National Forest, 0.5 mi (0.8 km) downstream from Leary Creek, 4.4 mi (7.1 km) south of Orleans, and 4.9 mi (7.9 km) upstream from mouth.

DRAINAGE AREA.--56.1 mi² (145.3 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	
AUG 30...	1730	9.5	205	8.6	21.0	8.8	93	3	26	
DATE	TIME	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 30...	6.7	6.4	13	.3	.6	110	0	87	11	
DATE	TIME	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 30...	8.0	.0	16	129	.18	3.31	.00	170	10	

WATER-QUALITY DATA FOR SELECTED SITES

97

KLAMATH RIVER BASIN
11523050 BLUFF CREEK NEAR WEITCHPEC, CA

LOCATION.--Lat 41°14'25", long 123°39'25", in SW¼ sec.19, T.10 N., R.5 E., Humboldt County, Six Rivers National Forest, 0.8 mi (1.3 km) upstream from Aikens Creek, 1.2 mi (1.9 km) upstream from mouth, and 4.4 mi (7.1 km) northeast of Weitchpec.

DRAINAGE AREA.--74.6 mi² (193.2 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 31...	1345	38	182	8.4	19.0	9.0	91	16	15
DATE	TIME	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 31...	13	2.9	6	.1	.5	95	0	78	12
DATE	TIME	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 31...	3.0	.0	12	104	.14	10.5	.01	60	20

11527400 NEW RIVER AT DENNY, CA

LOCATION.--Lat 40°56'45", long 123°22'55", in NE¼ sec.33, T.7 N., R.7 E., Trinity County, Trinity National Forest, at private road bridge, 0.3 mi (0.5 km) northeast of Denny, and 0.5 mi (0.8 km) downstream from Quinby Creek.

DRAINAGE AREA.--173 mi² (448 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DATE	TIME								
SEP 09...	1140	15	229	8.2	18.0	8.6	110	3	32
	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)							
SEP 09...	7.3	3.5	6	.1	1.0	130	0	110	10
	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)			(MG/L)	(UG/L)	(UG/L)
SEP 09...	3.3	.0	14	135	.18	5.50	.01	60	20

WATER-QUALITY DATA FOR SELECTED SITES

KLAMATH RIVER BASIN
11528400 HAYFORK CREEK NEAR HAYFORK, CA

LOCATION.--Lat 40°31'10", long 123°05'05", in SW¼ sec.23, T.31 N., R.11 W., Trinity County, Trinity National Forest, 5.8 mi (9.3 km) southwest of Hayfork.

DRAINAGE AREA.--86.7 mi² (224.6 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 09...	0940	.18	777	8.4	19.5	8.7	230	120	52
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
AUG 09...	25	50	32	1.4	1.2	130	4	110	9.9
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 09...	160	.1	23	390	.53	.19	.09	110	20

11528500 HAYFORK CREEK NEAR HYAMPON, CA

LOCATION.--Lat 40°37'34", long 123°26'01", in SE¼NW¼ sec.19, T.3 N., R.7 E., Trinity County, Trinity National Forest, 1.2 mi (1.9 km) upstream from mouth, and 1.3 mi (2.1 km) northeast of Hyampom.

DRAINAGE AREA.--378 mi² (979 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1961-74.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
AUG 09...	1215	6.1	325	8.6	24.5	10.8	140	17	32
DATE	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
AUG 09...	15	17	21	.6	.8	150	1	120	7.0
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 09...	29	.0	22	198	.27	3.26	.00	70	10

KLAMATH RIVER BASIN
11528700 SOUTH FORK TRINITY RIVER BELOW HYANPON, CA

LOCATION.--Lat 40°39'00", long 123°29'35", in NW¼SW¼ sec.10, T.3 N., R.6 E., Trinity County, Trinity National Forest, on left bank 0.3 mi (0.5 km) downstream from Big Creek, 3.0 mi (4.8 km) northeast of Hyanpon, and 3.5 mi (5.6 km) downstream from Hayfork Creek.

DRAINAGE AREA.--764 mi² (1,979 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1966 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1967-70.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
AUG 09...	1430	18	282	8.6	23.0	10.4	130	26	35
	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DATE	(MG/L)	(MG/L)	PERCENT SODIUM						
AUG 09...	11	6.7	10	.3	.7	130	0	110	25
	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
DATE	(MG/L)	(MG/L)	(MG/L)	(MG/L)					
AUG 09...	11	.0	12	166	.23	8.29	.01	50	10

11529000 SOUTH FORK TRINITY RIVER NEAR SALYER, CA

LOCATION.--Lat 40°50'30", long 123°34'00", in SE¼ sec.1, T.5 N., R.5 E., Humboldt County, Six Rivers National Forest, 4 mi (6 km) south of Salyer, and 8 mi (13 km) upstream from mouth.

DRAINAGE AREA.--898 mi² (2,326 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water years 1959, 1977.

WATER TEMPERATURES.--Water years 1957-67.

SEDIMENT-DISCHARGE RECORDS.--Water years 1955-67.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
SEP 02...	1015	35	272	8.1	20.0	8.9	130	28	34
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
SEP 02...	12	6.6	10	.2	.7	130	0	110	27
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 02...	7.6	.1	12	164	.22	15.5	.00	80	30

WATER-QUALITY DATA FOR SELECTED SITES

KLAMATH RIVER BASIN
11529800 WILLOW CREEK NEAR WILLOW CREEK, CA

LOCATION.--Lat 40°56'50", long 123°39'35", in SE4SW4 sec.30, T.7 N., R.5 E., Humboldt County, 0.1 mi (0.2 km) upstream from Boise Creek, 1.5 mi (2.4 km) northwest of town of Willow Creek, and 1.8 mi (2.9 km) upstream from mouth.

DRAINAGE AREA.--41.0 mi² (106.2 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
SEP 02...	1250	7.7	228	8.2	18.5	9.3	120	22	22
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
SEP 02...	16	3.6	6	.1	.7	120	0	99	17
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIOS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
SEP 02...	2.5	.0	16	137	.19	2.85	.01	60	20

11530300 BLUE CREEK NEAR KLAMATH, CA

LOCATION.--Lat 41°27'00", long 123°53'40", in NE4NW4 sec.12, T.12 N., R.2 E., Humboldt County, on left bank 600 ft (183 m) downstream from West Fork, 3.0 mi (4.8 km) upstream from mouth, and 9.2 mi (14.8 km) southeast of Klamath.

DRAINAGE AREA.--120 mi² (311 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1965 to current year.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water years 1966 to current year.

		INSTAN- TANEOUS DIS- CHARGE (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)
DATE	TIME			(UNITS)					
AUG 18...	1330	57	167	8.4	17.5	9.5	75	5	15
DATE	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
			PERCENT SODIUM						
AUG 18...	9.0	2.4	7	.1	.4	85	0	70	8.0
DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED BORON (B) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
AUG 18...	2.1	.0	11	90	.12	13.9	.00	20	10

SMITH RIVER BASIN
11532000 SOUTH FORK SMITH RIVER NEAR CRESCENT CITY, CA

LOCATION.--Lat 41°47'28", long 124°01'29", unsurveyed, Del Norte County, Six Rivers National Forest, on left bank, 0.1 mi (0.2 km) downstream from Craigs Creek, 2.0 mi (3.2 km) upstream from mouth, and 9.2 mi (14.8 km) northeast of Crescent City.

DRAINAGE AREA.--291 mi² (754 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1911-13, 1954-61, 1977.

WATER-QUALITY DATA.--Water year 1977.

WATER TEMPERATURES.--Water year 1977.

SEDIMENT-DISCHARGE RECORDS.--Water year 1977.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 17...	1150	105	170	8.2	18.5	9.3	78	4	13
DATE	TIME	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 17...	11	2.5	7	.1	.5	90	0	74	5.0
DATE	TIME	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TUEENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 17...	2.6	.0	12	91	.12	25.8	.00	10	20

11532620 MILL CREEK NEAR CRESCENT CITY, CA

LOCATION.--Lat 41°44'32", long 124°06'06", in NE¼NE¼ sec.31, T.16 N., R.1 E., Del Norte County, Redwood National Park, on left bank 200 ft (61 m) downstream from small left-bank tributary, 0.9 mi (1.4 km) downstream from confluence of West Branch and East Fork Mill Creeks, and 4.9 mi (7.9 km) east of Crescent City.

DRAINAGE AREA.--28.6 mi² (74.1 km²).

PERIOD OF RECORD:

WATER-DISCHARGE RECORDS.--Water years 1974 to current year.

WATER-QUALITY DATA.--Water years 1974-75, 1977.

WATER TEMPERATURES.--Water years 1974 to current year.

SEDIMENT-DISCHARGE RECORDS.--Water years 1974 to current year.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA+MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)
AUG 16...	1645	4.4	79	7.2	19.0	10.5	25	0	6.2
DATE	TIME	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
AUG 16...	2.2	4.7	28	.4	1.0	34	0	28	2.1
DATE	TIME	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TUEENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 16...	5.1	.0	7.1	45	.06	.53	.00	40	80

WATER-QUALITY DATA FOR SELECTED SITES

SMITH RIVER BASIN
11532690 DOMINIE CREEK AT SMITH RIVER, CA

LOCATION.--Lat 41°55'54", long 124°08'43", in SE¼SW¼ sec.23, T.18 N., R.1 W., Del Norte County, 700 ft (213 m) upstream from bridge on U.S. Highway 101, 0.2 mi (0.3 km) upstream from mouth, and 0.2 mi (0.3 km) north of town of Smith River.

DRAINAGE AREA.--3.62 mi² (9.38 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)
AUG 18...	0940	1.3	85	7.5	13.5	10.0	29	0	8.3	2.1
DATE	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
AUG 18...	4.2	23	.3	.5	37	0	30	5.4	4.9	.1
DATE	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	
AUG 18...	8.7	53	.07	.19	.21	.00	.21	10	90	

11532700 ROWDY CREEK AT SMITH RIVER, CA

LOCATION.--Lat 41°55'18", long 124°08'45", in NE¼SW¼ sec.26, T.18 N., R.1 W., Del Norte County, 0.4 mi (0.6 km) downstream from Dominie Creek, 0.6 mi (1.0 km) south of town of Smith River, and 12.2 mi (19.6 km) north of Crescent City.

DRAINAGE AREA.--33.3 mi² (86.2 km²).

PERIOD OF RECORD:

WATER-QUALITY DATA.--Water year 1977.

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)
AUG 17...	1740	4.4	105	9.1	18.0	10.5	40	0	6.7	5.6
DATE		DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
AUG 17...	4.7		20	.3	.4	50	9	41	3.5	5.8
DATE		DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
AUG 17...	.0		9.1	70	.10	.83	.00	10	96	40

During the period July to September 1977, water levels were determined at numerous irrigation and domestic wells close to the Sacramento River in a reach that extended from river mile 229 (368 kn) in Tehama County, to river mile 71 (114 kn) just upstream from the town of Sacramento. See figure 1. Wells measured were usually less than a mile from the river. The purpose of this study was to determine the relation of the water table to the river elevation during a period of drought conditions and heavy irrigation demand.

Because of the limited time and manpower available, well elevations were not surveyed and no information was obtained as to the depth and the perforation interval of each well. Land-surface datum (LSD) was obtained from topographic maps with an accuracy of ± 2.5 ft (0.8 m). Thus, data on ground-water elevations are rounded to the nearest foot.

River elevations were obtained by developing a profile of the river from stages obtained at 6 recording stations and 6 nonrecording stations which were read during the same period that the wells were measured.

Ten sections were established where wells were measured on both sides of the river. Also, several intermediate wells were measured between these sections to determine the ground-water elevation along the reach. Because of lack of information on well and perforation depth, some of the following data may not truly represent the shallow water-table elevation.

River mile 229					
Date		Elevation			
July 21, 1977		186.6			
Aug. 17.....		185.2			
Sept. 14.....		184.3			
Lat 40°01'45", long 122°05'24", Tehama County State well number: 25N/2W-9Q1 LSD: 237 ft above nsl			Lat 40°01'47", long 122°07'11", Tehama County State well number: 25N/2W-8N1 LSD: 205 ft above nsl		
Date	Water level	Elevation	Date	Water level	Elevation
July 21, 1977	16.9	220	July 21, 1977	12.6	192
Aug. 17.....	16.0	221	Sept. 14.....	14.1	191
Sept. 14.....	16.6	220	Lat 40°02'15", long 122°07'46", Tehama County State well number: 25N/3W-12G1 LSD: 226 ft above nsl		
Lat 40°01'53", long 122°05'55", Tehama County State well number: 25N/2W-9P1 LSD: 230 ft above nsl			July 21, 1977	S37.2	189
July 21, 1977	12.5	218	Aug. 17.....	P64.0	162
Aug. 17.....	13.9	216	Sept. 14.....	35.0	191
Sept. 13.....	14.8	215	Lat 40°02'01", long 122°07'49", Tehama County State well number: 25N/2W-7L1 LSD: 210 ft above nsl		
Lat 40°01'58", long 122°06'20", Tehama County State well number: 25N/2W-8J1 LSD: 225 ft above nsl			July 21, 1977	19.1	191
July 21, 1977	28.4	197	Aug. 17.....	20.3	190
Aug. 17.....	21.9	203	Sept. 14.....	20.9	189
Sept. 14.....	18.6	206	Lat 40°01'54", long 122°07'55", Tehama County State well number: 25N/3W-12Q1 LSD: 235 ft above nsl		
Lat 40°01'38", long 122°06'55", Tehama County State well number: 25N/2W-17C2 LSD: 210 ft above nsl			July 21, 1977	42.4	193
July 21, 1977	19.4	191	Aug. 17.....	42.8	192
Aug. 17.....	P18.6	191	Sept. 14.....	40.0	195
Sept. 14.....	18.2	192			

See footnotes at end of table.

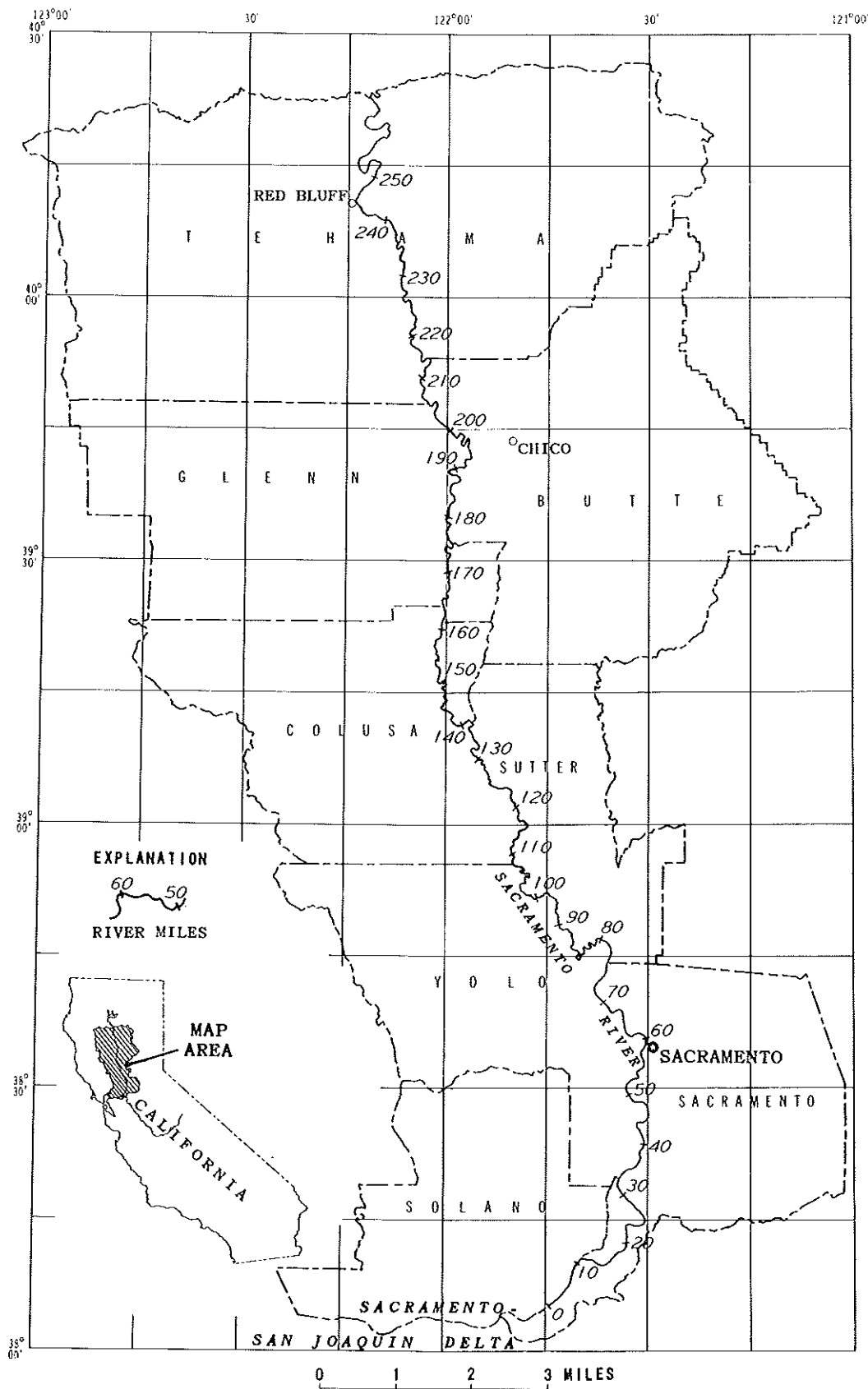


FIGURE 1.—Sacramento River from mouth to mile 250.

River mile 218

<u>Date</u>			<u>Elevation</u>		
July 21, 1977			164.3		
Aug. 17.....			163.5		
Sept. 14.....			162.3		
Lat 39°55'18", long 122°03'12", Tehama County State well number: 24N/2W-23G1 LSD: 197 ft above nsl			Lat 39°54'27", long 122°05'58", Tehama County State well number: 24N/2W-28E2 LSD: 200 ft above nsl		
<u>Date</u>			<u>Water level</u>		
July 21, 1977			29.6		
Aug. 17.....			29.3		
Sept. 14.....			29.1		
Lat 39°55'04", long 121°04'00", Tehama County State well number: 24N/2W-22J1 LSD: 187 ft above nsl			Lat 39°54'22", long 122°06'25", Tehama County State well number: 24N/2W-29K1 LSD: 205 ft above nsl		
Sept. 14, 1977			20.2		
Lat 39°54'48", long 122°04'24", Tehama County State well number: 24N/2W-27B1 LSD: 181 ft above nsl			July 21, 1977		
July 21, 1977			17.1		
Aug. 17.....			16.1		
Sept. 14.....			16.7		
Lat 39°54'27", long 122°04'54", Tehama County State well number: 24N/2W-27E1 LSD: 180 ft above nsl			Aug. 17.....		
July 21, 1977			24.9		
Aug. 17.....			20.7		
Sept. 14.....			19.9		
Lat 39°54'34", long 122°05'44", Tehama County State well number: 24N/2W-28F2 LSD: 198 ft above nsl			Sept. 14.....		
July 21, 1977			39.6		
Sept. 14.....			39.1		

River mile 201

<u>Date</u>			<u>Elevation</u>		
July 20, 1977			129.6		
Aug. 16.....			128.8		
Sept. 13.....			127.8		
Lat 39°44'47", long 121°58'45", Butte County State well number: 22N/1W-21K1 LSD: 138 ft above nsl			Lat 39°44'53", long 122°00'19", Glenn County State well number: 22N/1W-20L3 LSD: 141 ft above nsl		
July 20, 1977			33.2		
Aug. 16.....			26.4		
Sept. 13.....			22.8		
Lat 39°45'10", long 121°59'43", Butte County State well number: 22N/1W-20A1 LSD: 143 ft above nsl			July 20, 1977		
July 20, 1977			30.9		
Aug. 16.....			26.1		
Sept. 13.....			21.3		
Lat 39°44'54", long 122°00'10", Glenn County State well number: 22N/1W-20L4 LSD: 140 ft above nsl			Aug. 16.....		
July 20, 1977			47.7		
Aug. 16.....			44.1		
Sept. 13.....			37.6		

River mile 194

<u>Date</u>	<u>Elevation</u>
Aug. 16, 1977	114.3
Sept. 13, 1977	113.4

Lat 39°42'26", long 121°56'17",
Butte County
State well number: 21N/2W-2A1
LSD: 127 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
Aug. 16, 1977	14.7	112
Sept. 13, 1977	15.3	112

River mile 185

<u>Date</u>	<u>Elevation</u>
July 20, 1977	96.6
Aug. 16, 1977	95.8
Sept. 13, 1977	94.9

Lat 39°37'40", long 121°56'50",
Butte County
State well number: 21N/1W-35L4
LSD: 110 ft above nsl

July 20, 1977	20.1	90
Aug. 16, 1977	19.8	90
Sept. 13, 1977	19.6	90

Lat 39°37'26", long 121°57'39",
Butte County
State well number: 21N/1W-34P1
LSD: 114.6 ft above nsl

July 20, 1977	15.3	99
Aug. 16, 1977	19.1	96
Sept. 13, 1977	20.4	94

Lat 39°37'24", long 121°57'57",
Butte County
State well number: 20N/1W-3D3
LSD: 112 ft above nsl

July 20, 1977	21.9	90
Aug. 16, 1977	19.9	92
Sept. 13, 1977	20.1	92

Lat 39°37'27", long 121°58'53",
Butte County
State well number: 21N/1W-33N2
LSD: 115 ft above nsl

July 20, 1977	P26.1	89
Aug. 16, 1977	26.6	88
Sept. 13, 1977	27.4	88

Lat 39°37'39", long 122°00'18",
Glenn County
State well number: 21N/1W-32M1
LSD: 119 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 20, 1977	18.9	100
Aug. 16, 1977	17.8	101
Sept. 13, 1977	17.7	101

Lat 39°37'49", long 122°00'34",
Glenn County
State well number: 21N/1W-31J1
LSD: 120 ft above nsl

July 20, 1977	13.6	106
Aug. 16, 1977	R15.2	105
Sept. 13, 1977	R14.8	105

Lat 39°37'49", long 122°01'31",
Glenn County
State well number: 21N/1W-31M1
LSD: 127 ft above nsl

July 20, 1977	10.2	117
Aug. 16, 1977	10.8	116
Sept. 13, 1977	11.7	115

River mile 177

<u>Date</u>	<u>Elevation</u>
July 20, 1977	80.0
Aug. 16, 1977	79.6
Sept. 13, 1977	78.6

Lat 39°33'15", long 122°00'08",
Glenn County
State well number: 20N/1W-29N3
LSD: 105 ft above nsl

July 20, 1977	23.4	82
Aug. 16, 1977	24.1	81
Sept. 13, 1977	24.3	81

River mile 168

<u>Date</u>	<u>Elevation</u>
July 20, 1967	67.3
Aug. 16.....	66.5
Sept. 13.....	65.5

Lat 39°27'51", long 121°57'21",
Butte County
State well number: 19N/1W-34B1
LSD: 80 ft above nsl

Lat 39°27'37", long 121°59'44",
Glenn County
State well number: 19N/1W-32F1
LSD: 90 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 20, 1977	25.9	54
Aug. 16.....	24.0	56
Sept. 13.....	20.9	59

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 20, 1977	R26.6	63
Aug. 16.....	26.4	64
Sept. 13.....	26.6	63

Lat 39°27'53", long 121°57'40",
Glenn County
State well number: 19N/1W-34C1
LSD: 82 ft above nsl

Lat 39°27'24", long 121°59'58",
Glenn County
State well number: 19N/1W-32L1
LSD: 86 ft above nsl

July 20, 1977	R25.6	56
Aug. 16.....	23.1	59
Sept. 13.....	20.4	62

July 20, 1977	S21.5	64
Aug. 16.....	P52.6	33
Sept. 13.....	21.1	65

Lat 39°27'53", long 121°58'17",
Glenn County
State well number: 19N/1W-33A2
LSD: 81 ft above nsl

Lat 39°27'25", long 122°00'51",
Glenn County
State well number: 19N/1W-31L1
LSD: 85 ft above nsl

July 20, 1977	24.1	57
Aug. 16.....	R21.5	60
Sept. 13.....	R19.9	61

July 20, 1977	R16.8	68
Aug. 16.....	15.1	70
Sept. 13.....	15.4	70

Lat 39°27'53", long 121°58'32",
Glenn County
State well number: 19N/1W-33B1
LSD: 81 ft above nsl

Lat 39°27'26", long 122°01'29",
Glenn County
State well number: 19N/2W-36J2
LSD: 80 ft above nsl

July 20, 1977	23.5	57
Aug. 16.....	P35.6	45
Sept. 13.....	P 27.8	53

July 20, 1977	P10.7	69
Aug. 16.....	8.8	71
Sept. 13.....	9.6	70

Lat 39°27'58", long 121°58'56",
Glenn County
State well number: 19N/1W-28N2
LSD: 83 ft above nsl

Lat 39°27'30", long 122°02'01",
Glenn County
State well number: 19N/2W-36F2
LSD: 80 ft above nsl

July 20, 1977	21.4	62
Aug. 16.....	21.1	62
Sept. 13.....	19.5	63

July 20, 1977	6.6	73
Aug. 16.....	6.4	74
Sept. 13.....	5.7	74

Lat 39°27'49", long 121°59'28",
Glenn County
State well number: 19N/1W-32B1
LSD: 87 ft above nsl

July 20, 1977	24.2	63
Aug. 16.....	24.4	63
Sept. 13.....	23.4	64

River mile 158

<u>Date</u>	<u>Elevation</u>
July 20, 1977	53.7
Aug. 15.....	53.0
Sept. 12.....	51.9

Lat 39°20'55", long 122°01'55",
Colusa County
State well number: 17N/2W-1Q4
LSD: 73 ft above nsl

July 20, 1977	R18.9	54
Aug. 15.....	19.3	54
Sept. 12.....	19.7	53

River mile 146Date Elevation

July 19, 1977 41.6
 Aug. 15..... 40.1
 Sept. 12..... 38.7

Lat 39°14'44", long 121°57'14",
 Colusa County
 State well number: 16N/1W-15B1
 LSD: 51 ft above nsl

Lat 39°14'26", long 122°00'33",
 Colusa County
 State well number: 16N/1W-18G4
 LSD: 52 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 19, 1977	7.5	43
Aug. 15.....	7.8	43
Sept. 12.....	7.1	44

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 19, 1977	S38.4	14
Aug. 15.....	S38.9	13
Sept. 12.....	29.8	22

Lat 39°14'45", long 121°58'29",
 Colusa County
 State well number: 16N/1W-9Q1
 LSD: 54 ft above nsl

Lat 39°14'15", long 122°01'20",
 Colusa County
 State well number: 16N/2W-13J1
 LSD: 54 ft above nsl

July 19, 1977	8.2	46
Aug. 15.....	8.8	45
Sept. 12.....	9.4	45

July 19, 1977	27.4	27
Aug. 15.....	30.8	23
Sept. 12.....	24.9	29

Lat 39°14'43", long 121°59'37",
 Colusa County
 State well number: 16N/1W-17B1
 LSD: 51 ft above nsl

Lat 39°14'22", long 122°01'50",
 Colusa County
 State well number: 16N/2W-13G1
 LSD: 52 ft above nsl

July 19, 1977	19.2	32
Aug. 15.....	19.5	32
Sept. 12.....	20.0	31

July 19, 1977	27.4	25
Aug. 15.....	28.1	24
Sept. 12.....	20.0	32

River mile 142Date Elevation

July 19, 1977 39.0
 Aug. 15..... 37.3
 Sept. 12..... 35.6

Lat 39°12'04", long 121°56'10",
 Colusa County
 State well number: 16N/1W-35K1
 LSD: 50 ft above nsl

July 19, 1977	19.4	39
Aug. 15.....	21.3	29
Sept. 12.....	21.1	29

River mile 133Date Elevation

July 19, 1977 33.6
 Aug. 15..... 32.0
 Sept. 12..... 29.8

Lat 39°08'45", long 121°53'03",
 Sutter County
 State well number: 15N/1E-17P1
 LSD: 39 ft above nsl

Lat 39°08'48", long 121°55'11",
 Colusa County
 State well number: 15N/1W-13Q1
 LSD: 49 ft above nsl

July 19, 1977	9.8	29
Aug. 15.....	P8.1	31
Sept. 12.....	8.0	31

July 19, 1977	14.8	34
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Lat 39°08'37", long 121°54'07",
 Sutter County
 State well number: 15N/1E-18P1
 LSD: 38 ft above nsl

Lat 39°07'58", long 121°56'27",
 Colusa County
 State well number: 15N/1W-23P2
 LSD: 45 ft above nsl

July 19, 1977	5.2	33
Aug. 15.....	5.3	33
Sept. 12.....	5.2	33

July 19, 1977	16.4	29
Aug. 15.....	16.6	28
Sept. 12.....	15.8	29

Lat 39°08'29", long 121°54'31",
 Sutter County
 State well number: 15N/1E-19D1
 LSD: 42 ft above nsl

Lat 39°07'52", long 121°56'47",
 Colusa County
 State well number: 15N/1W-23N1
 LSD: 50 ft above nsl

July 19, 1977	11.9	31
Aug. 15.....	11.2	31
Sept. 12.....	11.2	31

July 19, 1977	45.7	4
Aug. 15.....	41.4	9
Sept. 12.....	32.7	17

Lat 39°08'40", long 121°54'51",
 Sutter County
 State well number: 15N/1W-13R3
 LSD: 48 ft above nsl

Lat 39°07'58", long 121°56'53",
 Colusa County
 State well number: 15N/1W-22R1
 LSD: 50 ft above nsl

July 19, 1977	14.4	34
Aug. 15.....	14.9	33
Sept. 12.....	15.3	33

July 19, 1977	R53.3	-3
Aug. 15.....	37.0	13
Sept. 12.....	30.1	20

River mile 133--Continued

Lat 39°07'32", long 121°57'19",
Colusa County
State well number: 15N/1W-27B1
LSD: 50 ft above nsl

Date	Water level	Elevation
July 19, 1977	527.3	23
Aug. 15.....	23.9	26
Sept. 12.....	22.5	28

Lat 39°07'22", long 121°57'55",
Colusa County
State well number: 15N/1W-27E1
LSD: 48 ft above nsl

Date	Water level	Elevation
July 19, 1977	5103.7	-56
Aug. 15.....	59.8	-12
Sept. 12.....	40.9	7

River mile 127

Date	Elevation
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July 19, 1977	30.4
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Lat 39°05'57", long 121°54'13",
Colusa County
State well number: 14N/1E-6C3
LSD: 48 ft above nsl

July 19, 1977	20.5	27
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River mile 124

Date	Elevation
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July 18, 1977	28.9
Aug. 15.....	27.5
Sept. 12.....	25.1

Lat 39°03'47", long 121°50'10",
Sutter County
State well number: 14N/2E-14N1
LSD: 41 ft above nsl

July 18, 1977	15.6	25
Aug. 15.....	15.6	25
Sept. 12.....	15.2	26

River mile 122

Date	Elevation
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July 19, 1977	27.8
Aug. 15.....	26.5
Sept. 12.....	24.7

Lat 39°02'41", long 121°48'20",
Sutter County
State well number: 14N/1E-24K2
LSD: 35 ft above nsl

Aug. 15, 1977	4.6	30
Sept. 12.....	4.9	30

Lat 39°02'38", long 121°48'37",
Sutter County
State well number: 14N/1E-24P1
LSD: 40 ft above nsl

Aug. 15, 1977	7.5	32
Sept. 12.....	7.8	32

Lat 39°02'38", long 121°48'53",
Sutter County
State well number: 14N/1E-24N1
LSD: 40 ft above nsl

Aug. 15, 1977	8.4	32
Sept. 12.....	8.8	31

Lat 39°02'43", long 121°49'25",
Sutter County
State well number: 14N/1E-23K1
LSD: 38 ft above nsl

Aug. 15, 1977	5.8	32
Sept. 12.....	5.3	33

Lat 39°02'38", long 121°50'05",
Sutter County
State well number: 14N/1E-23N1
LSD: 42 ft above nsl

Aug. 15, 1977	15.1	27
Sept. 12.....	16.4	26

Lat 39°02'05", long 121°50'12",
Colusa County
State well number: 14N/1E-26E1
LSD: 41 ft above nsl

July 19, 1977	15.5	25
Aug. 15.....	16.0	25
Sept. 12.....	16.7	24

Lat 39°02'29", long 121°50'56",
Colusa County
State well number: 14N/1E-27C1
LSD: 37 ft above nsl

July 19, 1977	11.1	26
Aug. 15.....	10.7	26

Lat 39°02'29", long 121°51'43",
Colusa County
State well number: 14N/1E-28B1
LSD: 37 ft above nsl

July 19, 1977	11.4	26
Aug. 15.....	10.6	26
Sept. 12.....	13.5	23

River mile 118

<u>Date</u>	<u>Elevation</u>
July 18, 1977	25.9
Aug. 15.....	24.6
Sept. 12.....	23.0

Lat 39°00'09", long 121°48'08",
 Sutter County
 State well number: 13N/1E-1J2
 LSD: 36 ft above nsl

July 18, 1977	17.7	18
Aug. 15.....	14.8	21
Sept. 12.....	16.2	20

River mile 116

<u>Date</u>	<u>Elevation</u>
July 19, 1977	25.0

Lat 38°59'38", long 121°40'22",
 Colusa County
 State well number: 13N/1E-11H1
 LSD: 33 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 19, 1977	14.6	18

River mile 109

<u>Date</u>	<u>Elevation</u>
July 18, 1977	21.7
Aug. 15.....	20.5
Sept. 12.....	19.4

Lat 38°55'26", long 121°47'54",
 Sutter County
 State well number: 12N/2E-6D1
 LSD: 26 ft above nsl

July 18, 1977	16.2	10
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Lat 38°55'58", long 121°48'40",
 Sutter County
 State well number: 13N/1E-36F2
 LSD: 29 ft above nsl

July 18, 1977	9.6	19
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Lat 38°55'53", long 121°49'59",
 Sutter County
 State well number: 13N/1E-35N1
 LSD: 36 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 18, 1977	15.7	20
Aug. 15.....	16.4	20
Sept. 12.....	17.6	18

Lat 38°55'42", long 121°50'15",
 Colusa County
 State well number: 13N/1E-35N1
 LSD: 38 ft above nsl

July 19, 1977	16.2	22
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River mile 99

<u>Date</u>	<u>Elevation</u>
July 18, 1977	17.0
Aug. 15.....	16.1
Sept. 12.....	15.2

Lat 38°52'04", long 121°44'38",
 Sutter County
 State well number: 12N/2E-22N3
 LSD: 33 ft above nsl

July 18, 1977	18.7	14
Aug. 15.....	14.7	18
Sept. 12.....	15.2	18

Lat 38°52'53", long 121°47'20",
 Sutter County
 State well number: 12N/2E-18Q1
 LSD: 31 ft above nsl

July 18, 1977	26.2	5
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River mile 92

<u>Date</u>	<u>Elevation</u>
July 18, 1977	13.6
Aug. 15.....	13.0
Sept. 12.....	12.4

Lat 38°49'15", long 121°42'11",
 Sutter County
 State well number: 11N/2E-12C1
 LSD: 20 ft above nsl

July 18, 1977	10.0	10
Aug. 15.....	9.3	11
Sept. 12.....	9.5	11

Lat 38°49'11", long 121°42'53",
 Sutter County
 State well number: 11N/2E-11B3
 LSD: 26 ft above nsl

July 18, 1977	10.7	15
Aug. 15.....	11.5	15
Sept. 12.....	13.3	13

River mile 89

<u>Date</u>	<u>Elevation</u>
July 18, 1977	12.2
Aug. 15.....	11.7
Sept. 12.....	11.2

Lat 38°48'29", long 121°42'48",
 Sutter County
 State well number: 11N/2E-11R1
 LSD: 27 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 18, 1977	16.0	11
Aug. 15.....	16.1	11
Sept. 12.....	P29.4	-2

River mile 87

<u>Date</u>	<u>Elevation</u>
July 18, 1977	11.2
Aug. 15.....	10.8
Sept. 12.....	10.4

Lat 38°47'45", long 121°43'09",
 Yolo County
 State well number: 11N/2E-14P1
 LSD: 29 ft above nsl

July 18, 1977	P36.1	-7
Aug. 15.....	34.8	-8
Sept. 12.....	35.1	-6

Lat 38°47'57", long 121°43'17",
 Yolo County
 State well number: 11N/2E-14L1
 LSD: 33 ft above nsl

July 18, 1977	21.5	12
Aug. 15.....	24.2	9
Sept. 12.....	22.8	10

Lat 38°47'38", long 121°43'25",
 Yolo County
 State well number: 11N/2E-14N1
 LSD: 32 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 18, 1977	22.7	9
Aug. 15.....	21.8	10
Sept. 12.....	21.2	11

River mile 85

<u>Date</u>	<u>Elevation</u>
July 18, 1977	10.2
Aug. 15.....	9.9
Sept. 12.....	9.6

Lat 38°46'48", long 121°36'09",
 Sutter County
 State well number: 11N/3E-23R2
 LSD: 20 ft above nsl

Aug. 15, 1977	13.2	7
Sept. 12.....	10.9	9

Lat 38°46'37", long 121°41'17",
 Yolo County
 State well number: 11N/3E-30D1
 LSD: 30 ft above nsl

July 18, 1977	24.5	6
Aug. 15.....	23.3	7
Sept. 12.....	22.4	8

River mile 77

<u>Date</u>	<u>Elevation</u>
July 18, 1977	6.3

Lat 38°44'51", long 121°40'39",
 Yolo County
 State well number: 10N/3E-6B2
 LSD: 30 ft above nsl

July 18, 1977	P30.6	-1
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River mile 72

<u>Date</u>	<u>Elevation</u>
July 18, 1977	3.9
Aug. 15.....	4.6
Sept. 12.....	5.6

Lat 38°41'07", long 121°36'26",
 Sacramento County
 State well number: 10N/3E-36C2
 LSD: 17 ft above nsl

July 18, 1977	P33.7	-17
Aug. 15.....	22.6	-6
Sept. 12.....	P33.6	-17

Lat 38°41'09", long 121°36'44",
 Sacramento County
 State well number: 10N/3E-25N1
 LSD: 19 ft above nsl

July 18, 1977	20.9	-2
Aug. 15.....	20.4	-1
Sept. 12.....	18.9	0

GROUND-WATER LEVELS AND RIVER STAGE ALONG THE SACRAMENTO RIVER

River mile 71

<u>Date</u>	<u>Elevation</u>
July 18, 1977	3.3
Aug. 15.....	4.3
Sept. 12.....	5.4

Lat 38°40'47", long 121°36'46",
 Sacramento County
 State well number: 10N/3E-35H1
 LSD: 14 ft above nsl

Lat 38°40'27", long 121°37'25",
 Sacramento County
 State well number: 10N/3E-35P2
 LSD: 27 ft above nsl

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 18, 1977	15.0	-1
Aug. 15.....	15.3	-1
Lat 38°40'18", long 121°37'32", Yolo County State well number: 10N/3E-34F1 LSD: 22 ft above nsl		
July 18, 1977	35.1	-13
Aug. 15.....	36.5	-15
Sept. 12.....	30.3	-8

<u>Date</u>	<u>Water level</u>	<u>Elevation</u>
July 18, 1977	36.6	-10
Aug. 15.....	35.6	-9
Sept. 12.....	31.6	-5
Lat 38°40'33", long 121°38'13", Yolo County State well number: 10N/3E-33A1 LSD: 19 ft above nsl		
July 18, 1977	40.4	-21
Aug. 15.....	45.7	-27
Sept. 12.....	47.3	-28

P Pumping.

R Recently pumped.

S Nearby pumping.

- Negative sign indicates below mean sea level.

TIDE EFFECT ON SEDIMENT CONCENTRATION IN THE SACRAMENTO RIVER 113

During the period April-August 1977, a sediment study was made over three tidal cycles to determine the effect of backwater on the suspended-sediment concentration at the gaging station (11447500) Sacramento River at Sacramento, Calif.

Single-vertical samples were obtained from a sediment sampler attached to the Tower Bridge in Sacramento; the samples were collected from the same point on the bridge. Cross-section samples were obtained at several points across the river near the bridge. The discharge and average velocity were obtained from a computer model of the reach of the Sacramento River from Sacramento to Freeport. River elevations were obtained from recording instruments at Sacramento. The relation between river stage, water discharge, velocity, and suspended-sediment concentration during a tidal cycle are shown by figure 2.

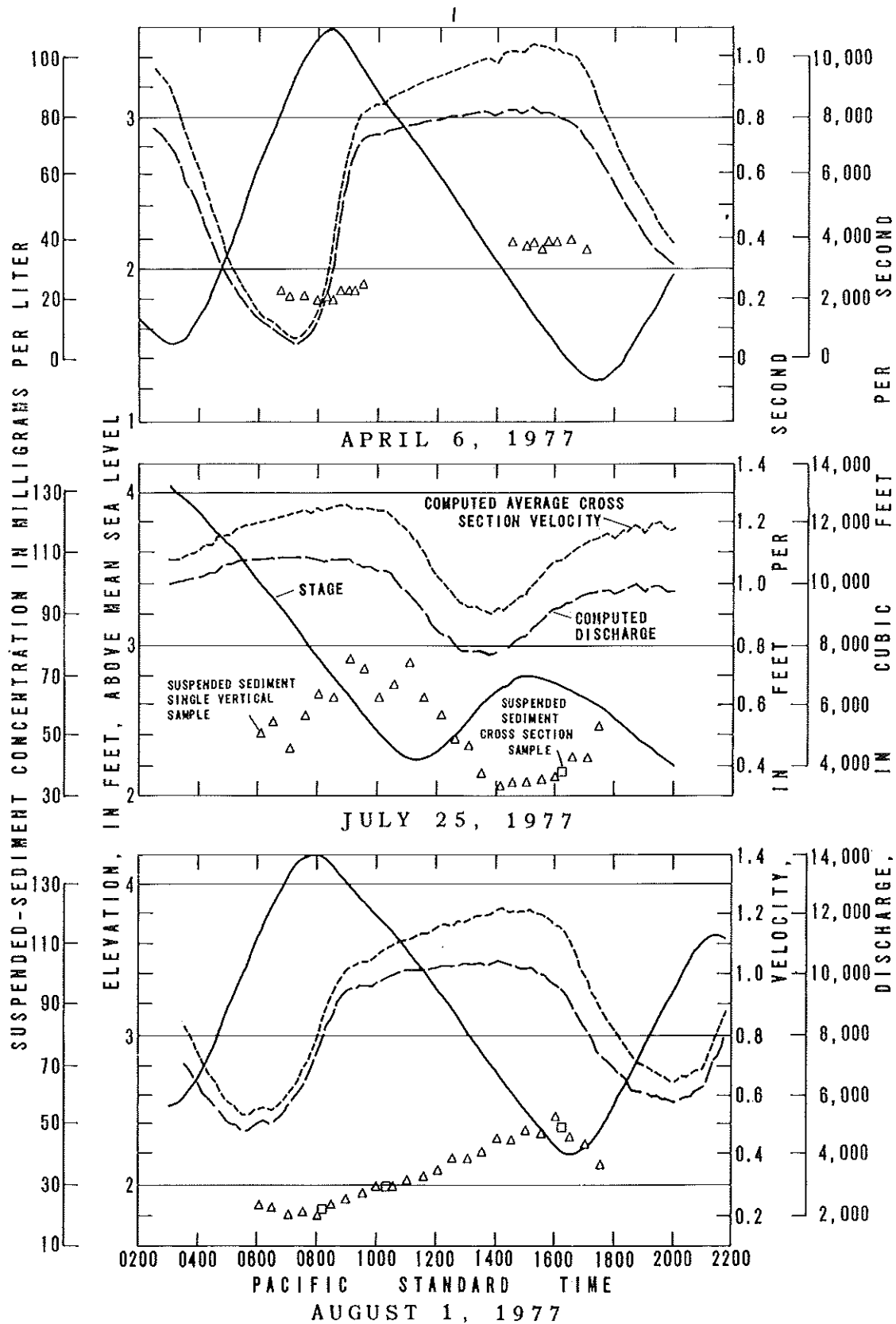


FIGURE 2.—Relation of suspended sediment to stage, velocity, and water discharge during three tidal cycles of the Sacramento River at Sacramento (11447500).

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