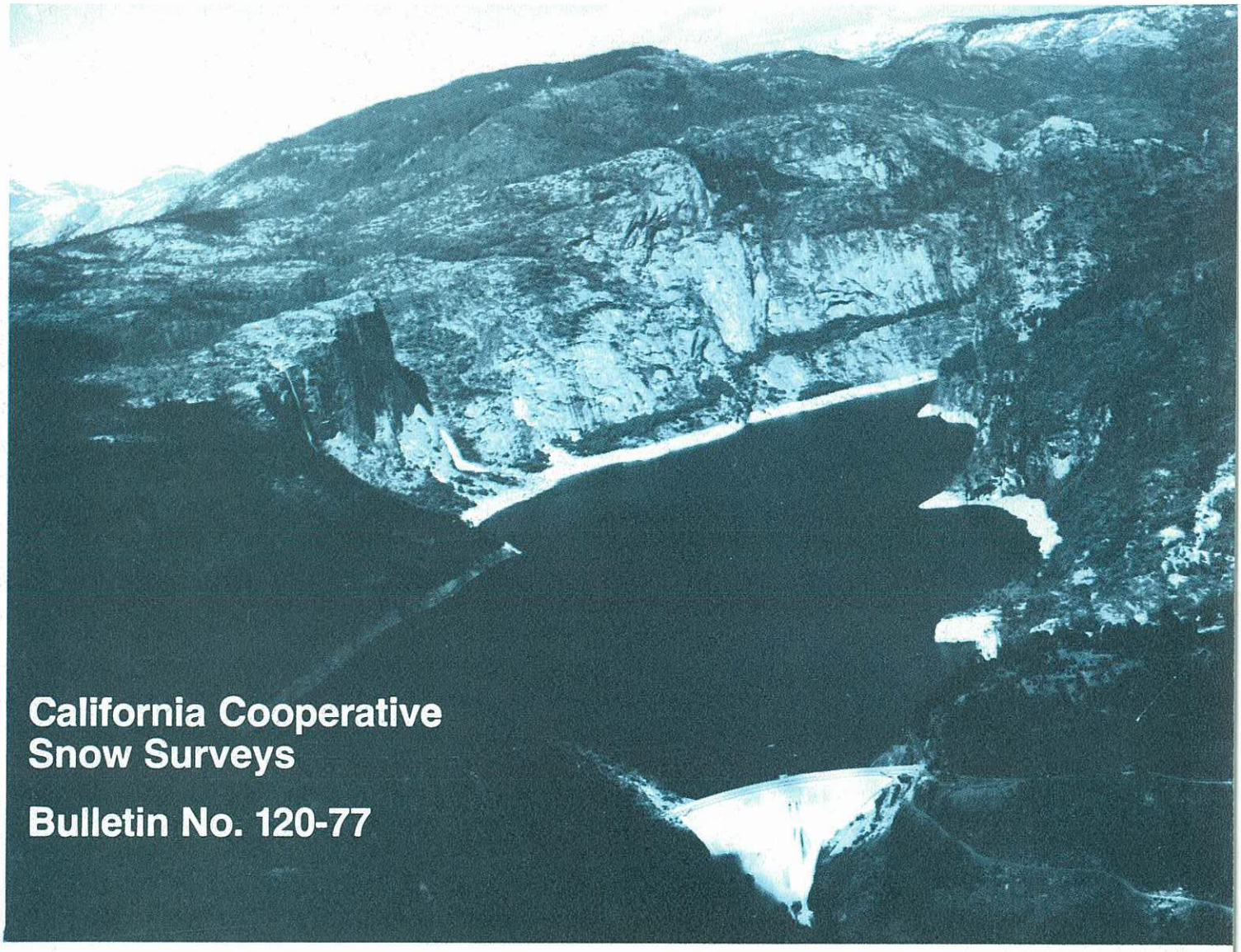


California Cooperative
Snow Surveys

Bulletin No. 120-77

State of California
The Resources Agency

Department of
Water Resources

save water
DWR

Water Conditions in California

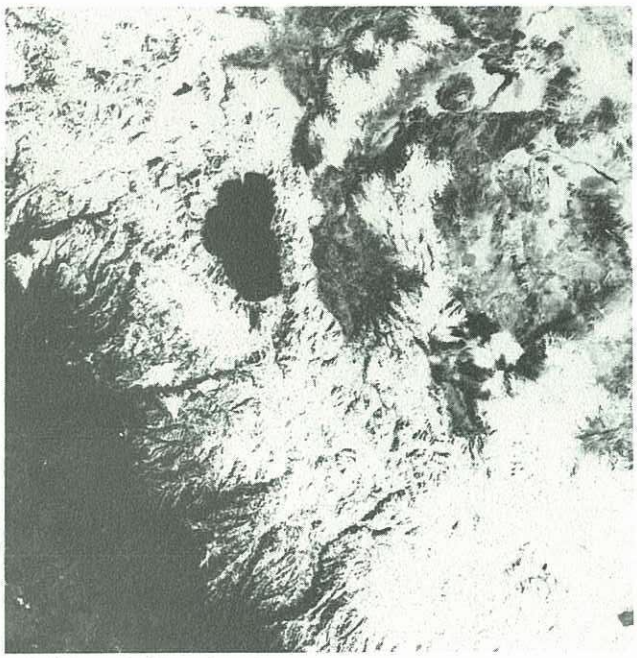
Basic Data Supplement
July 1977

Claire T. Dedrick
Secretary for Resources
The Resources Agency

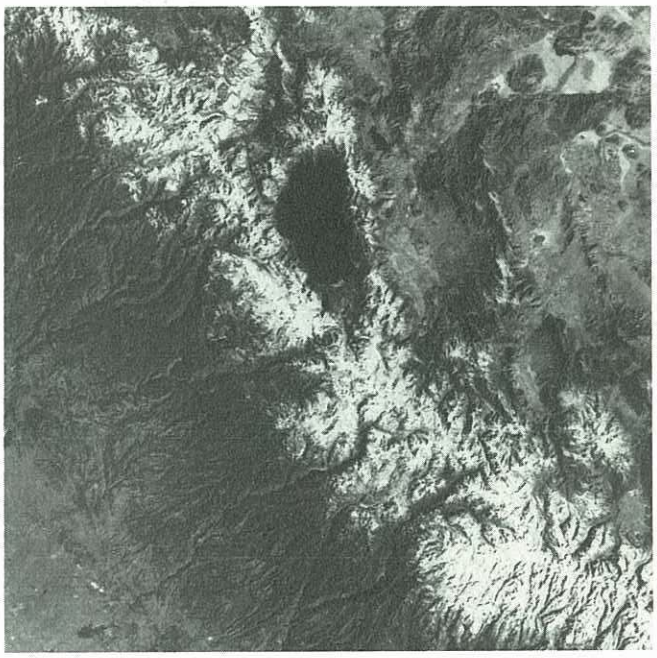
Edmund G. Brown Jr.
Governor
State of California

Ronald B. Robie
Director
Department of Water Resources

Snowcover differences between a near normal runoff season (1975) and a drought year (1977) in the Sierra Nevada Mountains near Lake Tahoe, California as observed by LANDSAT.



25 February 1975
Average Snowline Elevation = 4500 ft.



14 February 1977
Average Snowline Elevation = 6500 ft.

FOREWORD

This Basic Data Supplement to the Bulletin No. 120 series, "Water Conditions in California", contains snow survey and aerial marker data collected from January through June, and precipitation and runoff data from January through May. Also included is May 1 storage in major reservoirs, and selected graphical data on snow depth, density, and water content.

Although snow sensor data is not included in this supplement, summaries of daily water content readings have been tabulated for all stations. These data, along with periodic control sample data, are available upon request from:

California Department of Water Resources
Snow Surveys Branch
Flood Control Office
Division of Planning
P. O. Box 388
Sacramento, CA 95802

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S.I. Metric conversion factors pertinent to data appearing in this report are: 1 acre-foot = 1233.5 cubic metres, 1 inch = 25.4 millimetres or 2.54 centimetres, 1 foot = .305 metres, 1 mile = 1.6093 kilometres.

Front Cover - O'Shaughnessy Dam and Hetch Hetchy Reservoir on the Tuloumne River. This 360,000 acre-foot capacity reservoir, located within Yosemite National Park, is the main storage unit of the Hetch Hetchy water supply system for the City and County of San Francisco.
Photograph by Don Paulsen, June 1967.

STATE OF CALIFORNIA
EDMUND G. BROWN JR., GOVERNOR

THE RESOURCES AGENCY
CLAIRE T. DEDRICK, SECRETARY FOR RESOURCES

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DIVISION OF PLANNING

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ACTIVITIES COVERED BY THIS REPORT ARE UNDER THE DIRECTION OF

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AGENCIES COOPERATING IN THE CALIFORNIA SNOW SURVEYS PROGRAM

PUBLIC AGENCIES
- BUENA VISTA WATER STORAGE DISTRICT
- CENTRAL CALIFORNIA IRRIGATION DISTRICT
- EAST BAY MUNICIPAL UTILITY DISTRICT
- FRIANT WATER USERS ASSOCIATION
- KAWEAH DELTA WATER CONSERVATION DISTRICT
- KAWEAH RIVER ASSOCIATION
- KERN COUNTY WATER AGENCY
- KINGS RIVER WATER ASSOCIATION
- KINGS RIVER WATER CONSERVATION DISTRICT
- LOS ANGELES COUNTY FLOOD CONTROL DISTRICT
- LOWER TULE RIVER IRRIGATION DISTRICT
- MERCED IRRIGATION DISTRICT
- MODESTO IRRIGATION DISTRICT
- NEVADA IRRIGATION DISTRICT
- OAKDALE IRRIGATION DISTRICT
- OMOCHUMNE-HARTNELL WATER DISTRICT
- OROVILLE-WYANDOTTE IRRIGATION DISTRICT
- PLACER COUNTY WATER AGENCY
- SACRAMENTO MUNICIPAL UTILITY DISTRICT
- SOUTH SAN JOAQUIN IRRIGATION DISTRICT
- ST. JOHNS RIVER ASSOCIATION
- TULARE LAKE BASIN WATER STORAGE DISTRICT

PUBLIC AGENCIES (CONTINUED)
- TULE RIVER ASSOCIATION
- TURLOCK IRRIGATION DISTRICT
- YUBA COUNTY WATER AGENCY

PRIVATE ORGANIZATIONS
- J. G. BOSWELL COMPANY
- KERN COUNTY LAND COMPANY
- MT. REBA INC.
- UNION CARBIDE CORPORATION

PUBLIC UTILITIES
- PACIFIC GAS AND ELECTRIC COMPANY
- SIERRA PACIFIC POWER COMPANY
- SOUTHERN CALIFORNIA EDISON COMPANY

MUNICIPALITIES
- CITY OF LOS ANGELES
  - DEPARTMENT OF WATER AND POWER
- CITY AND COUNTY OF SAN FRANCISCO
  - PUBLIC UTILITIES COMMISSION

STATE AND FEDERAL AGENCIES
- CALIFORNIA DEPARTMENT OF WATER RESOURCES
- CALIFORNIA DEPARTMENT OF PARKS AND RECREATION
- U. S. DEPARTMENT OF AGRICULTURE
  - FOREST SERVICE (14 NATIONAL FORESTS)
  - PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION
  - SOIL CONSERVATION SERVICE
- U. S. DEPARTMENT OF COMMERCE
  - NATIONAL WEATHER SERVICE
- U. S. DEPARTMENT OF THE INTERIOR
  - BUREAU OF RECLAMATION
  - GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
  - NATIONAL PARK SERVICE (3 NATIONAL PARKS)
- U. S. DEPARTMENT OF THE ARMY
  - CORPS OF ENGINEERS

OTHER COOPERATIVE PROGRAMS
- NEVADA COOPERATIVE SNOW SURVEYS
- OREGON COOPERATIVE SNOW SURVEYS

TABLE I
SNOW SURVEY DATA

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
					DATE MEASURED, DEPTH AND WATER CONTENT IN INCHES																	
NORTH COASTAL AREA																						
SHASTA RIVER																						
PARKS CREEK	1	6700	1936	36.0				1-21	14.2	4.4	2-23	27.7	5.3	3-28	40.2	11.7	5-02	0.0	0.0			
LITTLE SHASTA	2	6200	1946	20.0										4-01	30.3	9.4				2-18	12.6	2.6
SWEETWATER	3	5850	1936	14.0				1-21	8.7	3.0	2-23	12.6	1.8	3-28	12.2	3.3						
SCOTT RIVER																						
MIDDLE BOULDER 1	5	6600	1946	31.0				1-27	14.0	4.3	2-25	27.4	7.8	3-30	33.6	11.4	4-28	3.0	1.3			
MIDDLE BOULDER 3	311	6200	1948	27.0				1-27	13.9	4.1	2-25	27.6	7.1	3-30	33.2	11.9	4-28	1.6	0.6			
ETNA MOUNTAIN	4	5900	1951	35.0										3-31	35.5	12.4						
MARBLE VALLEY	278	5900	1951	45.0										3-29	56.3	20.8						
DYNAMITE MEADOW	298	5700	1955	18.0				1-27	13.2	4.0	2-25	26.1	6.7	3-30	33.0	10.4	4-28	0.5	0.2			
SWAMPY JOHN	285	5500	1951	38.0	1-04	28.1	4.0	1-28	18.8	4.8	2-25	42.7	9.1	3-30	55.6	18.9	4-28	16.9	7.8			
LOG LAKE	7	5300	1951	31.0				1-28	15.1	4.1				3-31	37.8	16.4						
TRINITY RIVER																						
DEADFALL LAKES	9	7200	1946	33.0				1-24	12.1	2.8	2-13	22.3	4.5	3-28	32.9	10.5	4-27	6.4	2.5			
RED ROCK MOUNTAIN	10	6700	1946	43.0				1-21	19.0	4.0	2-25	31.3	10.3	3-28	40.9	15.8	4-27	2.8	1.1			
BEAR BASIN	11	6500	1947	38.0				1-21	18.5	4.1	2-25	33.8	11.6	3-28	39.1	14.6	4-27	9.7	3.4			
SHIMMY LAKE	12	6200	1947	49.0				1-21	20.6	4.1	2-25	36.9	10.8	3-28	40.8	14.8	4-27	6.3	2.8			
WOLFORD CABIN	13	6150	1949	35.0										3-29	39.2	13.3						
HIGHLAND LAKES	16	6000	1947	34.0				1-25	14.6	4.8	2-28	12.2	4.1	3-29	19.6	7.6	4-28	0.0	0.0			
MUMBO BASIN	15	5700	1947	25.0										3-31	17.0	6.3						
WHALAN	14	5400	1940	21.0										3-22	23.0	8.1						
BIG FLAT	17	5100	1946	15.0				1-21	15.0	3.7	2-25	11.2	4.9	3-28	13.3	8.5	4-27	0.0	0.0			
EEL RIVER																						
PLASKETT MEADOWS	63	6000	1944	18.0										3-31	31.0	11.1						
CENTRAL VALLEY AREA																						
SACRAMENTO RIVER																						
MOUNT SHASTA	18	7900	1930	51.0				1-26	14.2	4.1	2-22	20.8	5.7	3-31	33.2	11.0	4-28	0.0	0.0			
NORTH FORK SACRAMENTO	20	6900	1936	24.0										3-25	26.0	7.5						
SAND FLAT	19	6800	1945	42.0				1-26	14.0	4.2	2-22	16.9	5.2	3-31	27.8	9.5	4-29	0.0	0.0			
GRAY ROCK LAKES	21	6200	1941	46.0				1-28	16.3	4.9				3-29	43.7	15.1						
SLATE CREEK	22	5600	1945	30.0				1-25	11.7	3.1	2-28	7.6	2.7	3-29	14.0	5.3	4-28	0.0	0.0			
MCCLOUD RIVER																						
BREWER CREEK	23	6250	1945	35.0				1-28	13.6	3.0	2-28	16.5	5.0	3-23	27.0	7.0	4-26	0.0	0.0			
BUCK MOUNTAIN	24	5550	1938	27.0										3-22	15.4	5.0						
STOUTS MEADOW	25	5400	1945	42.0				1-27	16.0	4.0	2-25	17.7	5.0	3-22	23.5	8.7	4-26	0.0	0.0			
ASH CREEK	26	5000	1945	21.0										3-23	6.4	0.8						
DEAD HORSE CANYON	27	4500	1945	13.0										3-22	0.0	0.0						
PIT RIVER																						
EAGLE PEAK	29	7200	1930	15.0										3-25	22.3	7.0						
CEDAR PASS	30	7100	1930	17.0				1-24	13.6	5.0	2-22	11.7	2.9	3-28	24.3	8.4	4-29	0.0	0.0			
BLUE LAKE RANCH	28	6800	1940	12.0										3-22	15.1	5.0						
BLACKS MOUNTAIN	31	6700	1945	9.0										3-28	4.0	1.3						
MEDICINE LAKE	32	6700	1938	32.0										4-01	27.7	9.6						
THOUSAND LAKES	33	6500	1946	38.0				2-01	12.9	2.9	3-01	22.9	6.6	3-30	31.5	10.4	5-02	4.1	1.1			
ADIN MOUNTAINS	35	6350	1930	13.0				1-25	10.8	2.0	2-28	6.9	1.5	3-31	17.0	5.1	4-27	0.0	0.0			
NEW MANZANITA LAKE	343	5900	1950	8.0				1-30	7.7	1.8	2-27	3.1	0.8	4-01	9.5	3.0	4-28	0.0	0.0			
MCELROY PASS	37	5300	1939	1.0										3-29	0.0	0.0						
BURNEY SPRINGS	41	4700	1945	2.0										3-29	0.0	0.0						
FEATHER RIVER																						
LOWER LASSEN PEAK	47	8250	1930	80.0	1-04	31.6	5.3	1-27	23.5	7.1	3-08	44.5	14.0	3-31	64.2	19.4	5-02	38.1	13.6			
KETTLE ROCK	361	7300	1965	29.0	12-28	0.0	0.0	1-26	14.4	3.6	2-25	22.5	6.2	3-29	20.1	7.6	4-28	0.0	0.0			
MOUNT DYER 1	48	7100	1930	25.0	1-04	16.8	2.7	1-27	11.0	3.4	3-02	15.1	3.8	3-31	21.0	5.9	5-02	0.0	0.0			
GRIZZLY	359	6900	1965	33.0	12-28	0.0	0.0	1-27	16.9	4.2	2-28	26.0	7.2	3-30	32.8	11.2	4-28	0.4	0.2			
EUREKA BOWL	279	6800	1948	45.0				1-25	20.0	4.6	2-24	29.1	6.6	3-25	43.7	12.4	4-28	0.0	0.0			

TABLE I SNOW SURVEY DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
FEATHER RIVER (CONTINUED)																						
PILOT PEAK	388*	6800	1972	52.0				1-26	17.0	5.7				4-05	20.4	9.3						
CHURCH MEADOWS	75	6700	1931	33.0	12-28	0.0	0.0	1-27	15.4	5.0	2-28	23.2	6.9	3-31	27.2	10.4	4-28	0.0	0.0			
MOUNT HOUGH	360	6700	1965	33.0	12-29	0.0	0.0	1-26	14.8	4.2	2-25	24.0	5.6	3-29	22.2	7.4	4-23	0.0	0.0			
ROWLAND CREEK	280	6700	1950	18.0	12-28	0.0	0.0	1-27	13.1	3.0	2-25	26.5	5.8	3-29	24.0	8.0	4-27	0.0	0.0			
THREE LAKES	53*	6250	1930	42.0	1-10	23.4	4.5	1-31	18.0	5.1	3-08	27.0	8.1	3-31	34.9	11.4	5-02	0.0	0.0			
EUREKA LAKE	32	6200	1939	34.0				1-25	15.7	4.6	2-24	25.1	6.0	3-25	34.2	8.8	4-28	0.0	0.0			
HARKNESS FLAT	51*	6200	1930	29.0	1-04	23.6	3.2	1-27	14.9	4.1	3-02	23.1	6.7	3-31	25.9	8.0	5-02	0.0	0.0			
MOUNT DYER 2	290	6050	1952	17.0										3-30	18.7	6.4	5-02	0.0	0.0			
MILL CREEK FLAT	54*	5900	1930	40.0	1-10	21.0	4.8	1-31	15.5	5.0	3-08	17.0	6.4	4-01	28.6	10.5	5-02	0.0	0.0			
FREDONYER PASS 3	387	5850	1972	7.0										3-28	0.0	0.0						
FRENCHMAN COVE	353	5800	1963	3.0	12-28	0.0	0.0	1-27	5.8	1.6	2-25	6.4	1.4	3-23	0.0	0.0	4-27	0.0	0.0			
FREDONYER PASS 1	50*	5750	1930	8.0										3-28	0.0	0.0						
ABBEY	355	5650	1963	11.0	12-28	0.0	0.0	1-26	9.3	2.4	2-25	16.6	4.1	3-28	12.4	4.7	4-27	0.0	0.0			
ANTELOPE RIDGE	354	5650	1963	5.0	12-28	0.0	0.0	1-26	6.6	1.3	2-28	6.4	1.4	3-28	0.0	0.0	4-27	0.0	0.0			
LETTERBOX	49*	5600	1940	50.0	1-05	30.0	6.2	1-31	21.0	6.9	3-08	25.7	9.3	4-01	36.2	13.6	5-02	0.0	0.0			
MOUNT STOVER	55	5600	1931	17.0	1-04	15.6	2.2	1-27	9.0	2.4	3-02	11.3	2.4	3-31	11.6	3.4	5-02	0.0	0.0			
BROWNS CAMP	56	5400	1937	25.0										4-01	13.9	5.3	5-02	0.0	0.0			
FEATHER RIVER MEADOWS	58*	5400	1930	23.0	1-04	20.7	3.1	1-27	13.9	3.9	3-02	14.8	4.4	3-31	16.3	5.7	5-02	0.0	0.0			
WARNER CREEK	59*	5100	1930	16.0	1-10	15.8	2.5	1-27	13.7	3.5	3-02	11.0	2.8	3-31	6.7	2.3	5-02	0.0	0.0			
HUMBUG SUMMIT	60*	4850	1930	12.0	1-04	13.7	1.9	1-27	9.1	3.2	3-02	7.4	2.3	3-31	0.0	0.0	5-02	0.0	0.0			
CHESTER FLAT	61	4600	1930	8.0	1-07	13.4	2.0	1-27	8.7	2.9	3-02	5.4	1.8	3-31	0.0	0.0	5-02	0.0	0.0			
STONY CREEK																						
ANTHONY PEAK	62	6200	1944	30.0				1-26	17.0	6.5	2-24	0.0	0.0	3-28	36.6	14.5						
YUBA RIVER																						
CASTLE CREEK 5	65	7400	1946	53.0				1-31	22.1	6.1	3-01	38.7	11.8	3-30	50.8	15.7	5-02	5.5	1.0			
MEADOW LAKE	66	7200	1920	56.0	1-04	37.2	7.2	1-31	25.6	7.7	2-25	47.2	13.3	3-29	53.1	18.5	5-02	15.8	5.5	5-13	32.0	10.5
RED MOUNTAIN	67*	7200	1918	51.0	1-05	30.3	5.8	1-31	22.4	7.3	2-24	38.1	12.0	3-30	51.1	17.8	5-02	4.1	1.1	5-12	16.9	3.7
ENGLISH MOUNTAIN	68	7100	1927	45.0							2-24	35.0	11.0	3-29	40.1	16.7						
DONNER SUMMIT	69*	6900	1910	40.0	1-05	30.3	5.1	2-01	17.0	5.0	2-24	30.1	8.2	3-28	30.7	11.5	5-02	0.0	0.0	5-11	12.6	2.3
FURNACE FLAT	76*	6700	1918	48.0	1-04	33.4	6.6	1-31	24.9	8.0	2-25	33.7	12.3	3-30	52.3	17.8	5-02	5.7	2.0	5-12	18.2	4.5
YUBA PASS	74	6700	1937	31.0				1-24	14.8	4.0	2-22	21.9	4.6	3-21	23.9	8.2	4-21	0.0	0.0			
FINDLEY PEAK	78	6500	1927	30.0							2-25	22.2	5.8	3-29	23.5	9.5						
LAKE FORDYCE	77*	6500	1918	41.0	1-04	28.4	5.8	1-31	20.4	6.4	2-25	28.2	9.6	3-29	35.6	13.7	5-02	0.0	0.0	5-12	12.1	2.3
ROBINSON COW CAMP	389*	6480	1972	49.0	1-11	23.4	5.9	1-26	19.5	6.3	2-25	31.5	10.1	4-05	29.4	12.0						
SUNNYSIDE MEADOW	390*	6200	1972	62.0	1-11	25.8	6.9	1-26	22.3	7.4	2-23	37.1	11.8	4-05	40.2	16.9						
CISCO	80	5900	1918	26.0	1-05	21.0	4.0	2-01	12.8	4.2	2-24	21.6	5.6	3-28	20.7	7.8	5-02	0.0	0.0			
CHAPMAN CREEK	372	5850	1968	24.0				1-24	14.4	4.0	2-22	20.9	5.6	3-21	21.7	8.6	4-21	0.0	0.0			
BOWMAN LAKE	83	5650	1927	22.0										3-29	19.3	7.8						
LEXINGTON	391	5600	1972	41.0				2-01	16.3	5.5	2-28	10.0	4.5	4-06	5.1	2.2						
GIBSONVILLE	277	5400	1950	31.0				1-27	18.8	5.6	2-24	24.4	6.9	3-27	24.4	8.8	4-27	0.0	0.0			
LAKE SPAULDING	85	5200	1927	25.0	1-04	20.6	3.4	2-01	11.0	3.4	2-24	16.6	4.1	3-28	16.4	6.3	5-02	0.0	0.0	4-20	0.0	0.0
LAKE SPAULDING 2	409	5200	1976	--	1-04	19.7	3.3	1-31	8.6	3.2	2-24	13.8	2.5	3-28	8.4	3.1	5-02	0.0	0.0	4-20	0.0	0.0
AMERICAN RIVER																						
UPPER CARSON PASS	106*	8500	1930	35.0	1-04	24.3	2.3	1-26	15.8	3.6	2-28	21.9	6.3	3-28	26.3	9.8	4-26	0.0	0.0	5-31	0.0	0.0
EMIGRANT VALLEY	297	8400	1953	43.0				1-28	15.6	4.2	2-28	28.2	9.0	3-30	36.0	13.0	4-27	0.0	0.0			
LOWER CARSON PASS	331	8400	1951	38.0	1-04	27.5	3.4	1-26	16.9	3.7	2-28	27.2	7.6	3-28	30.6	11.0	4-26	0.0	0.0	5-31	0.0	0.0
CAPLES LAKE	107	8000	1939	31.0	1-04	25.1	2.7	1-26	13.1	2.9	2-26	16.4	4.4	3-28	22.0	7.7	4-26	0.0	0.0	5-31	0.0	0.0
ALPHA	365*	7600	1965	35.0	1-05	29.3	5.1	2-01	16.7	5.5	3-01	24.1	6.3	4-01	30.2	11.0	5-02	5.5	1.1	2-14	13.7	4.8

TABLE I SNOW SURVEY DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	DATE MEASURED, DEPTH AND WATER CONTENT IN INCHES																	
					JANUARY			FEBRUARY			MARCH			APRIL			MAY			SUPPLEMENTARY		
					DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC
AMERICAN RIVER (CONTINUED)																						
LOST CORNER MOUNTAIN	338*	7500	1959	35.0				1-28	16.5	5.3	3-02	29.0	8.7	3-31	32.2	12.2	4-29	0.0	0.0			
ECHO SUMMIT	108	7450	1940	37.0	1-04	29.7	4.2	1-31	16.2	4.8	2-28	29.7	8.4	3-31	34.4	11.7						
LAKE AUDRAIN	110	7300	1941	36.0	1-07	27.0	4.8	1-31	19.0	5.5	2-28	33.0	9.7	3-31	38.0	13.5						
DARKINGTON	111	7100	1941	31.0	1-04	29.2	4.1	1-31	15.3	4.8	2-28	18.5	5.1	3-31	16.6	8.0	5-02	2.2	0.5			
SILVER LAKE	109*	7100	1930	23.0				1-25	8.6	2.4	2-24	16.6	3.8	3-28	15.0	5.5	4-25	0.0	0.0			
WRIGHTS LAKE	316*	6900	1956	33.0				1-28	18.6	6.5	3-02	28.4	8.8	3-31	31.7	12.2	4-29	0.0	0.0			
PHILLIPS	113	6800	1941	29.0	1-07	24.7	5.1	1-31	16.6	4.7	2-28	23.9	6.6	3-31	27.1	11.7	5-02	3.0	0.6			
LYONS CREEK	320	6700	1937	32.0				2-01	27.4	7.7	3-01	39.0	10.9	3-31	37.3	16.8	5-02	6.1	1.8			
HUYSINK	115	6600	1937	47.0				1-21	25.8	7.3	2-26	35.7	11.3	3-27	46.3	15.7	4-22	10.8	4.3			
TAMARACK FLAT	289	6550	1939	29.0	1-04	29.9	4.2	1-31	16.6	5.0	2-28	24.5	7.1	3-31	30.4	12.5	5-02	3.6	0.6			
WABENA MEADOWS	114	6300	1937	41.0				1-20	23.4	6.2	3-01	38.4	11.2	3-28	47.2	16.0	4-29	3.3	1.0			
MIRANDA CABIN	369	6200	1967	41.0				1-20	23.0	6.5	3-01	36.0	11.7	3-28	37.1	14.2	4-29	0.0	0.0			
ONION CREEK	120	6100	1937	22.0				1-27	8.6	2.9	3-11	8.6	2.5	3-30	8.2	2.4	5-02	0.0	0.0			
DIAMOND CROSSING	371	6050	1967	27.0				1-20	14.9	4.1	3-01	21.0	5.7	3-28	19.1	7.3	4-29	0.0	0.0			
SIXMILE VALLEY	123	5750	1930	24.0										3-28	10.5	4.7						
TALBOT CAMP	122	5750	1940	20.0				1-20	13.8	3.8	3-01	16.4	4.2	3-28	9.3	3.6	4-29	0.0	0.0			
STRAWBERRY	124	5700	1942	8.0	1-04	19.1	2.4	1-31	2.6	1.0	2-28	7.4	2.0	3-31	1.2	0.4	5-02	0.0	0.0			
ROBBS VALLEY	322	5600	1932	22.0				1-31	12.7	4.2	3-01	14.4	4.6	3-31	9.9	4.1	4-29	0.0	0.0			
CARPENTER FLAT	128	5300	1946	18.0										3-28	6.1	2.0						
ICE HOUSE	127	5360	1932	10.0				1-31	5.0	2.0	3-01	6.3	2.1	3-31	0.0	0.0	4-29	0.0	0.0			
MOKELUMNE RIVER																						
HIGHLAND MEADOW	323*	8800	1952	48.0	1-06	34.2	6.0	1-31	24.1	7.5	2-24	40.1	10.9	3-28	45.2	14.7	4-25	15.5	4.6	5-13	23.6	6.3
TRAGEDY CREEK	364	8150	1965	42.0				1-24	17.4	5.3	2-25	28.8	8.5	3-29	32.2	13.3	4-25	0.0	0.0			
BLUE LAKES	129*	8000	1918	35.0										3-28	31.7	9.8	4-25	10.7	3.3	5-13	12.7	2.8
WHEELER LAKE	131	7800	1937	52.0	1-06	38.5	7.4	1-31	28.6	8.6	2-24	48.1	12.8	3-28	51.0	16.0	4-25	19.4	5.8	5-13	24.1	6.2
PACIFIC VALLEY	132*	7500	1930	38.0				1-31	15.7	4.8				3-28	29.5	9.8						
CORRAL FLAT	133	7200	1938	40.0				1-25	19.8	6.5	2-25	27.4	8.8	3-29	31.5	13.5	4-25	0.0	0.0			
PODESTA	363	7200	1965	43.0				1-25	18.9	6.1	2-25	29.7	9.7	3-29	31.3	13.2	4-25	0.0	0.0			
BEAR VALLEY RIDGE 1	134*	6700	1930	25.0				1-31	15.7	5.7	2-24	22.9	6.8	3-28	24.1	8.8	4-25	0.0	0.0			
BEAR VALLEY RIDGE 2	339	6600	1930	28.0				1-31	16.0	6.1	2-24	25.0	7.6	3-28	27.3	9.2	4-25	0.0	0.0			
LUMBERYARD	135	6500	1937	32.0				1-24	16.0	5.6	2-23	16.2	5.4	3-28	15.6	5.6	4-25	0.0	0.0			
HAMS STATION	136	5500	1937	8.0				1-24	0.0	0.0	2-23	5.1	1.0	3-28	0.0	0.0	4-25	0.0	0.0			
ANTELOPE SPRINGS	137	4350	1939	3.0				1-24	3.3	1.0	2-23	3.2	0.8	3-28	0.0	0.0	4-25	0.0	0.0			
STANISLAUS RIVER																						
DEADMAN CREEK	345*	9250	1960	35.0										3-28	30.3	8.9	4-25	4.8	1.5			
CLARK FORK MEADOW	344*	8900	1960	39.0										3-28	35.2	11.4	4-25	5.2	1.9			
LOWER RELIEF VALLEY	138*	8100	1930	39.0	1-06	25.8	4.0	1-31	14.9	4.6	2-24	28.3	8.0	3-28	27.2	9.0	4-25	0.0	0.0	5-13	6.3	1.7
SODA CREEK FLAT	139*	7800	1931	22.0	1-06	13.0	2.5	1-31	8.2	1.8	2-24	14.0	3.4	3-28	10.4	3.6	4-25	0.0	0.0	12-28	0.0	0.0
LAKE ALPINE	141*	7550	1930	41.0				1-20	15.5	4.5	2-23	36.0	9.6	3-22	27.0	11.5	4-21	2.1	0.9			
STANISLAUS MEADOW	384	7750	1971	44.0				1-20	17.8	4.1	2-28	32.1	9.2	3-23	32.0	13.4	4-21	6.2	2.7			
EAGLE MEADOW	140*	7500	1931	24.0										3-28	11.7	3.8						
HERRING CREEK	142	7300	1937	28.0	1-06	25.7	4.2	1-31	15.6	5.6	2-24	28.2	6.6	3-28	22.5	8.0	4-25	0.0	0.0	12-28	0.0	0.0
RELIEF DAM	143*	7250	1930	20.0										3-28	10.5	3.2						
SPICERS	144	6600	1937	29.0				1-25	16.1	4.2				3-25	17.7	7.0						
HELLS KITCHEN	373	6550	1968	24.0				1-21	13.3	3.9	2-24	19.6	4.4	3-22	10.1	3.7	4-21	0.0	0.0			
BLACK SPRING	386	6500	1971	27.0				1-21	15.0	5.1	2-24	19.9	4.4	3-22	12.9	5.4	4-21	0.0	0.0			
NIAGARA FLAT	145	6500	1930	21.0	1-05	18.7	3.0	1-31	10.0	3.7	2-24	16.5	3.9	3-28	11.9	4.3	4-25	0.0	0.0	12-28	0.0	0.0
GORRINGTON	149	4750	1938	5.0				1-21	8.4	2.4	2-24	5.5	1.0	3-22	0.0	0.0	4-21	0.0	0.0			
TUOLUMNE RIVER																						
DANA MEADOWS	157*	9850	1926	30.0				1-24	14.0	3.5	2-25	26.4	6.5	3-23	25.9	6.6	4-25	4.1	1.9			
RAFFERTY MEADOWS	156	9400	1948	30.0				1-23	15.7	3.6	2-24	29.2	7.0	3-23	29.0	8.5						
BOND PASS	159*	9300	1948	45.0										3-29	32.2	9.1						

TABLE I SNOW SURVEY DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
					DATE MEASURED, DEPTH AND WATER CONTENT IN INCHES																	
TUOLUMNE RIVER (CONTINUED)																						
NEW GRACE MEADOW	368*	8900	1966	47.0										3-29	37.8	10.5						
TUOLUMNE MEADOWS	161	8600	1930	22.0				1-23	10.5	2.6	2-24	16.6	3.9	3-22	13.3	3.8						
HORSE MEADOW	162*	8400	1948	48.0										3-30	38.3	10.6						
DODGE RIDGE	379	8150	1970	40.0				1-29	19.0	5.0	2-25	28.7	8.3	3-25	33.6	11.0	4-27	0.0	0.0			
WILMA LAKE	163*	8000	1946	44.0										3-29	36.7	10.4						
SACHSE SPRINGS	165*	7900	1948	39.0										3-30	24.7	9.9						
HUCKLEBERRY LAKE	166*	7800	1948	44.0										3-30	35.6	11.2						
SPOTTED FAWN	164*	7800	1948	48.0										3-30	36.8	12.4						
PARADISE	167*	7700	1946	41.0										3-29	31.1	11.0	4-26	0.0	0.0			
KERRICK CORRAL	348	7000	1961	20.0				1-26	13.5	4.0	2-28	15.7	4.6	3-31	12.6	5.4	4-29	0.0	0.0			
UPPER KIBBIE RIDGE	168*	6700	1937	20.0							NO SURVEYS MADE											
LOWER KIBBIE RIDGE	173*	6700	1937	27.0							NO SURVEYS MADE											
VERNON LAKE	169*	6700	1947	24.0										3-29	14.1	2.3	4-26	0.0	0.0			
BEEHIVE MEADOW	171*	6500	1930	26.0										3-29	19.2	6.7	4-25	0.0	0.0			
BELL MEADOW	172	6500	1937	18.0										3-31	7.3	2.9						
MERCED RIVER																						
SNOW FLAT	176	8700	1930	42.0				1-25	20.5	5.0	2-24	35.1	9.8	3-26	36.1	13.1	4-25	5.2	2.0			
OSTRANDER LAKE	177	8200	1938	33.0				1-23	17.6	4.3	2-24	20.3	6.1	3-25	25.1	8.3	4-25	0.0	0.0			
LAKE TENAYA	178	8150	1930	33.0				1-25	15.7	3.0				3-22	23.5	7.9	4-25	0.0	0.0			
GIN FLAT	179	7000	1930	34.0				1-25	15.3	4.6	2-24	15.9	4.4	3-26	17.3	7.5	4-25	0.0	0.0			
PEREGOY MEADOWS	180	7000	1931	32.0				1-26	16.2	4.2	2-23	20.3	5.4	3-25	28.7	9.5	4-25	10.3	3.7			
SAN JOAQUIN RIVER																						
MONO PASS	182	11450	1950	32.0				2-01	14.9	4.0	3-01	27.8	7.3	3-29	29.7	7.9						
PIUTE PASS	183	11300	1930	35.0				1-24	19.1	5.1	2-24	33.0	7.4	3-22	32.7	9.5	5-02	16.9	6.4			
EMERALD LAKE	184*	10600	1944	35.0										3-29	28.1	7.5						
PIONEER BASIN	276*	10400	1949	35.0				2-01	15.2	3.4	3-01	28.0	6.8	3-29	30.4	8.4						
HEART LAKE	185*	10100	1940	27.0										3-29	21.3	5.2						
VOLCANIC KNOB	186*	10100	1946	30.0				2-01	14.7	3.5				3-29	21.8	5.6						
ROSE MARIE	187*	10000	1946	29.0				2-01	13.3	3.2	3-01	20.8	5.1	3-29	21.7	6.1						
COLBY MEADOW	188*	9700	1944	22.0										3-29	16.9	4.8						
AGNEW PASS	189*	9450	1930	31.0				2-01	12.5	3.1	3-02	20.4	5.2	4-05	21.9	7.6	4-25	0.0	0.0			
DUTCH LAKE	191*	9100	1938	27.0				2-01	13.5	3.1	3-01	18.3	4.7	3-29	19.1	5.8						
KAISER PASS	190*	9100	1930	38.0				1-21	16.1	3.4	2-23	27.8	7.8	3-30	37.5	10.2						
COYOTE LAKE	192*	8850	1946	32.0										3-31	29.7	7.8						
CORA LAKES	193*	8400	1939	38.0							3-01	21.4	7.1	3-29	18.8	7.5	4-28	0.0	0.0			
BADGER FLAT	346	8300	1960	30.0				1-21	16.3	3.2	3-04	21.4	6.4									
NELLIE LAKE	194	8000	1944	36.0				1-23	16.8	4.6	3-04	18.7	6.9	3-28	18.2	7.6						
LAKE THOMAS A EDISON	324	7800	1958	14.0							3-01	0.0	0.0	3-29	0.0	0.0						
CHILKOOT LAKE	196	7450	1930	37.0				1-28	17.8	5.8	2-28	16.0	6.8	3-28	13.0	5.4	4-27	0.0	0.0			
TAMARACK CREEK	347	7250	1960	25.0				1-20	12.7	3.0	2-22	8.0	3.4									
FLORENCE LAKE	198	7200	1930	7.0				1-20	5.0	1.0	3-01	0.0	0.0	3-29	0.0	0.0						
CHILKOOT MEADOW	197	7150	1930	36.0				1-28	18.2	5.8	2-28	13.6	5.2	3-28	12.6	4.8	4-27	0.0	0.0			
CLOVER MEADOW	200*	7000	1939	23.0							3-01	15.1	5.1	3-29	9.2	3.9	4-28	0.0	0.0			
HUNTINGTON LAKE	199	7000	1930	19.0				1-20	13.1	3.3	2-22	8.0	3.2	3-28	10.1	4.8						
JACKASS MEADOW	201*	6950	1939	23.0							2-28	11.2	3.8	3-28	5.9	2.1	4-27	0.0	0.0			
CHIQUITO CREEK	202*	6800	1939	22.0							2-28	10.3	4.5	3-28	5.6	2.6	4-27	0.0	0.0			
POISON MEADOW	204	6800	1944	25.0				1-28	12.9	4.6	2-28	5.9	2.6	3-28	4.5	1.8	4-27	0.0	0.0			
KINGS RIVER																						
BISHOP PASS	222*	11200	1930	31.0				2-01	16.5	4.3	3-02	25.8	7.1	3-24	30.2	8.0	4-28	14.4	4.6			
CHARLOTTE RIDGE	299*	10700	1955	32.0				1-26	21.6	5.2	2-27	32.3	8.3	3-27	34.7	9.6	4-30	13.0	3.4			
BULLFROG LAKE	307	10650	1932	30.0				1-26	20.8	5.4	2-27	28.9	8.2	3-27	30.3	9.2	5-01	13.0	3.2			
BENCH LAKE	398	10600	1973	24.0				1-28	16.0	3.8				4-04	26.5	6.8						
BLACKCAP BASIN	223*	10300	1930	34.0	1-04	24.0	3.7	1-31	15.8	3.8	2-28	22.6	6.2	3-29	26.6	7.6	4-26	6.8	2.2			

TABLE I SNOW SURVEY DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	DATE MEASURED, DEPTH AND WATER CONTENT IN INCHES																	
					JANUARY			FEBRUARY			MARCH			APRIL			MAY			SUPPLEMENTARY		
					DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC	DATE	DEPTH	WC
KINGS RIVER (CONTINUED)																						
RATTLESNAKE CREEK BASIN	396	9900	1973	33.0	1-04	29.0	3.8				2-28	20.6	6.3	3-31	32.6	7.7	4-26	0.0	0.0			
BEARD MEADOW	225*	9800	1930	32.0				1-31	14.6	3.9	2-28	25.0	7.1	3-29	24.2	7.5	4-26	0.0	0.0			
UPPER BURNT CORRAL MDW	224*	9700	1927	35.0	1-04	24.0	3.7	1-31	17.8	4.5	2-26	25.6	7.2	3-29	26.6	8.3	4-26	3.8	1.0			
SCENIC MEADOW	397	9650	1973	26.0				1-28	12.6	3.0				4-04	11.4	3.8						
VIDETTE MEADOW	309	9500	1956	21.0				1-27	14.5	3.8	2-27	18.7	4.6	3-27	17.2	5.3	4-25	0.0	0.0			
ROUND CORRAL	229*	9000	1938	34.0							2-28	23.6	7.3	3-29	22.4	8.3	4-26	0.0	0.0			
ROWELL MEADOW	226*	8850	1930	27.0										4-04	14.1	9.6						
WOODCHUCK MEADOW	227*	8800	1930	31.0										3-31	25.7	7.9	4-26	0.0	0.0			
LONG MEADOW	232*	8500	1930	28.0	1-04	23.0	3.5	1-31	13.0	3.7	2-28	17.0	5.1	3-29	12.6	5.2	4-26	0.0	0.0			
STATUM MEADOW	233*	8300	1930	31.0										3-29	17.1	8.1	4-26	0.0	0.0			
HELMS MEADOW	230*	8250	1930	25.0										4-08	1.5	0.8						
POST CORRAL MEADOW	234	8200	1930	26.0				1-31	14.0	3.7	2-28	15.4	4.6	3-29	10.8	3.9	4-26	0.0	0.0			
DODSONS MEADOW	308*	8050	1956	29.0	1-04	22.0	3.5	1-31	13.7	3.6	2-28	15.4	5.1	3-29	10.7	4.6	4-26	0.0	0.0			
BIG MEADOWS	236	7600	1930	25.0				1-28	14.3	4.2	2-26	14.8	6.3	4-04	6.1	3.6						
HORSE CORRAL MEADOW	237*	7600	1930	17.0										4-04	0.0	0.0						
FRED MEADOW	239*	6950	1930	21.0				1-31	10.0	4.0	2-28	4.8	2.2	4-08	0.8	0.7	4-26	0.0	0.0			
GRANT GROVE	240	6600	1930	15.0				1-24	12.1	3.7	3-04	3.4	1.1	3-31	3.1	1.1	4-30	0.0	0.0			
KAWEAH RIVER																						
FAREWELL GAP	292	9500	1952	36.0				1-27	15.1	4.4	2-24	21.1	6.3	3-30	32.2	11.0	4-28	0.0	0.0			
WHITE CHIEF	374	9200	1970	32.0				1-27	14.1	3.6				3-30	21.0	7.3	4-28	2.5	1.1			
PANTHER MEADOW	243	8600	1925	37.0				1-29	19.5	4.2	2-27	25.0	7.0	3-27	30.3	8.8	5-02	8.9	2.2			
HOCKETT MEADOWS	244	8500	1930	28.0							2-21	9.5	3.0	3-26	20.3	6.5	4-26	0.0	0.0			
MINERAL KING	245	8000	1948	21.0				1-26	14.1	4.0	2-24	9.5	2.5	3-30	6.3	1.8	4-27	0.0	0.0			
GIANT FOREST	246	6400	1930	17.0				1-28	9.2	1.8	2-26	4.0	0.7	3-27	4.4	1.6	5-02	0.0	0.0			
TULE RIVER																						
QUAKING ASPEN	247	7000	1937	13.0				1-26	11.4	3.2	2-24	7.6	4.1	3-30	1.3	0.5	4-29	0.0	0.0			
OLD ENTERPRISE MILL	248	6600	1937	16.0							2-25	8.0	3.6	3-31	1.6	0.5	4-29	0.0	0.0			
DEER CREEK																						
DEAD HORSE MEADOW	249	7300	1937	13.0				1-31	9.1	4.0	2-28	3.2	1.3	4-01	0.0	0.0	4-28	0.0	0.0			
KERN RIVER																						
BIGHORN PLATEAU	250*	11350	1949	23.0				1-22	17.3	3.3	2-24	18.1	4.7	3-24	17.4	5.0	4-26	2.9	1.3			
COTTONWOOD PASS	251*	11050	1948	13.0				1-19	15.3	3.6	3-02	17.3	4.0	3-31	14.6	3.5	4-22	0.0	0.0			
SIBERIAN PASS	252*	10900	1948	18.0				1-20	10.2	1.8	3-02	19.5	4.5	3-22	17.8	4.0	4-24	3.1	1.1			
CRABTREE MEADOW	253*	10700	1949	19.0				1-25	15.0	2.5	2-22	21.9	4.6	3-26	18.0	4.7	4-25	0.0	0.0			
GUYOT FLAT	254*	10650	1949	21.0				1-25	15.6	2.7	2-22	21.3	4.8	3-23	18.8	4.8	4-25	0.0	0.0			
SANDY MEADOWS	275*	10650	1949	19.0				1-24	12.5	2.1	2-26	16.1	3.8	3-26	12.1	3.2	4-26	0.0	0.0			
TYNDALL CREEK	255*	10650	1949	18.0				1-23	14.2	2.3	2-24	15.9	4.1	3-26	13.2	3.5	4-27	0.0	0.0			
BIG WHITNEY MEADOW	257*	9750	1948	17.0				1-19	15.2	3.4	3-01	20.8	4.7	3-30	18.6	4.9	4-23	0.0	0.0			
ROCK CREEK	256*	9600	1949	17.0				1-25	13.1	2.3	2-27	15.2	3.4	3-22	10.1	3.1	4-26	0.0	0.0			
ROUND MEADOW	258*	9000	1930	26.0				1-25	23.0	7.4	2-28	27.5	10.4	3-29	24.1	10.8	4-28	0.0	0.0			
RAMSHAW MEADOWS	259*	8700	1930	11.0				1-28	14.4	2.3	3-01	13.5	3.2	3-30	5.8	2.1	4-25	0.0	0.0			
LITTLE WHITNEY MEADOW	260*	8500	1930	13.0				1-27	12.3	2.1	2-27	10.9	2.2	3-29	0.0	0.0	4-25	0.0	0.0			
CASA VIEJA MEADOWS	262*	8400	1930	19.0				1-28	17.0	4.1												
QUINN RANGER STATION	264*	8350	1930	20.0							2-20	3.0	1.0	3-27	4.6	2.0	4-27	0.0	0.0			
BONITA MEADOWS	261*	8300	1930	14.0				1-27	16.9	4.2				3-29	6.9	3.6						
BEACH MEADOWS	265*	7650	1930	9.0				1-27	11.6	2.3				3-30	0.0	0.0						
LAHONTAN AREA																						
SUPRISE VALLEY																						
MOUNT BIDWELL	378	7200	1970	24.0							2-24	14.0	3.4	3-23	21.0	6.9						
BARBER CREEK	313	6500	1958	12.0				1-25	11.4	3.0	2-23	9.0	2.0	3-24	14.8	5.6						
HAYS CANYON (NEVADA)	349	6400	1958	3.0				1-26	7.0	1.4	2-23	4.0	0.6	3-30	1.0	0.1						

TABLE I SNOW SURVEY DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
					DATE MEASURED, DEPTH AND WATER CONTENT IN INCHES																	
SURPRISE VALLEY (CONTINUED)																						
NORTHSTAR	393	6200	1969	14.0							2-24	16.0	3.9	3-23	25.0	7.2						
49 MOUNTAIN (NEVADA)	350	6000	1958	2.0				1-27	8.0	1.6	2-25	8.0	1.5	3-23	5.0	1.7						
RESERVATION CREEK	314	5900	1958	11.0				1-26	9.0	2.5	2-25	11.0	3.0	3-24	19.0	5.8						
SUSAN RIVER																						
SILVER LAKE MEADOWS	45	6450	1940	30.0										3-29	25.6	8.7	5-02	0.0	0.0			
NORVELL FLAT	46	5700	1940	16.0										3-29	13.1	4.9	5-02	0.0	0.0			
TRUCKEE RIVER																						
MOUNT ROSE (NEVADA)	334	9000	1910	34.0	12-28	2.0	0.4	1-31	18.0	5.1	2-24	36.0	7.9	4-02	37.0	15.0	4-26	4.0	2.3			
MT. ROSE SKI AREA	392	8850	1970	41.0	12-28	50.0	1.0	1-30	23.0	6.7	2-24	50.0	10.0	4-02	44.0	15.5	4-26	14.0	5.9			
INDEPENDENCE LAKE	86	8450	1937	41.0	12-28	30.0	0.5	1-31	16.0	4.4	2-24	37.0	9.1	4-02	43.0	14.3	4-26	22.0	9.2			
WEBBER PEAK	64	7800	1922	44.0										3-29	40.6	13.1						
SQUAW VALLEY 2	318	7700	1954	52.0	12-29	60.0	1.4	1-31	26.0	7.3	2-24	51.0	12.9				4-26	20.0	8.9			
INDEPENDENCE CAMP	88	7000	1941	23.0	12-28	0.0	0.0	1-31	13.0	2.9	2-24	23.0	5.6	4-02	21.0	7.9	4-26	0.0	0.0			
WEBBER LAKE	89	7000	1925	32.0										3-29	30.8	10.0						
INDEPENDENCE CREEK	91	6500	1937	13.0	12-28	0.0	0.0	1-31	8.0	2.0	2-24	14.0	2.9	4-02	13.0	4.5	4-26	0.0	0.0			
SAGE HEN CREEK	90	6500	1937	18.0				1-31	12.0	2.7	2-24	19.0	4.2	4-02	17.0	6.1						
TRUCKEE 2	92	6400	1930	16.0				1-30	19.0	2.9	2-28	15.0	3.6	3-20	14.0	4.1						
DONNER PARK 2	342	6000	1959	18.0				1-30	11.0	3.1	2-27	17.0	5.3	3-31	17.0	5.9						
BOCA 2	95	5900	1933	5.0				1-30	3.0	1.3	2-27	7.0	1.9	3-31	0.0	0.0						
LAKE TAHOE BASIN																						
HEAVENLY VALLEY	375	8850	1969	28.0	12-27	0.0	0.0	1-31	14.0	3.0	2-26	26.0	7.6	3-29	29.0	10.1	4-26	0.0	0.0			
LAKE LUCILLE	96	8200	1913	59.0							2-24	60.0	14.4	4-02	62.0	20.5						
RUBICON PEAK 1	97	8100	1910	50.0							2-26	42.0	10.5	4-02	61.0	18.0						
HAGANS MEADOW	98	8000	1916	18.0	12-27	0.0	0.0	1-26	10.0	2.4	2-26	17.0	3.9	3-29	16.0	5.8	4-26	0.0	0.0			
MARLETTE LAKE (NEVADA)	332	8000	1915	23.0	12-28	0.0	0.0	1-31	16.0	3.5	2-24	27.0	5.5	4-02	28.0	9.2	4-26	0.0	0.0			
ECHO PEAK	405	7800	1971	37.0	12-28	0.0	0.0	1-31	18.0	5.3	2-26	24.0	5.6	4-02	35.0	14.2	4-26	0.0	0.0			
RUBICON PEAK 2	99	7500	1912	31.0							2-26	23.0	5.6	4-02	33.0	11.2						
FREEL BENCH	100	7300	1930	11.0	12-27	0.0	0.0	1-26	8.0	2.0	2-26	11.0	2.6	3-29	8.0	3.0	4-26	0.0	0.0			
BROCKWAY SUMMIT	385	7100	1962	17.0				1-30	10.0	3.4	2-28	18.0	4.2	3-30	13.0	3.4						
WARD CREEK	101	7000	1913	45.0	12-28	0.0	0.0	1-31	20.0	6.0	2-24	38.0	9.6	4-02	37.0	14.5	4-26	7.0	3.2			
GLENBROOK 2	333	6900	1942	13.0	12-30	0.0	0.0	1-28	7.0	2.1	2-25	16.0	3.7	3-28	15.0	4.3						
TAHOE CITY CROSS	400	6750	1971	22.0	12-30	0.0	0.0	1-29	14.0	4.4	2-27	23.0	6.8	3-28	19.0	6.8						
WARD CREEK 3	376	6750	1965	39.0	12-28	0.0	0.0	1-31	24.0	7.3	2-24	46.0	11.6	4-02	47.0	16.6	4-26	9.0	3.5			
RICHARDSONS 2	103	6500	1944	17.0	12-30	50.0	0.1	1-28	10.0	2.8	2-26	20.0	4.8	3-28	20.0	6.1						
UPPER TRUCKEE	104	6400	1930	8.0	12-27	0.0	0.0	1-26	7.0	1.6	2-26	10.0	2.4	3-29	6.0	0.2	4-26	0.0	0.0			
TAHOE CITY ALTERNATE	399	6300	1971	11.0	12-30	0.0	0.0				2-27	13.0	2.9									
TAHOE CITY	105	6250	1910	11.0	12-30	0.0	0.0							3-28	0.0	0.0						
CARSON RIVER																						
EBBETTS PASS	406	8700	1974	44.0	12-27	10.0	0.3	1-26	17.0	4.6	2-26	29.0	8.8	3-29	32.0	12.4	4-26	4.0	1.4			
WET MEADOWS LAKE	403	8100	1964	32.0	12-27	40.0	0.8	1-26	18.0	4.6	2-26	29.0	8.3	3-29	27.0	8.7	4-26	2.0	0.6			
POISON FLAT	330	7700	1942	15.0	12-27	0.0	0.0	1-26	12.0	2.9	2-26	18.0	5.1	3-29	14.0	5.7	4-26	0.0	0.0			
WALKER RIVER																						
VIRGINIA LAKES	150	9500	1947	18.0	12-27	0.0	0.0	1-26	12.0	3.1	2-26	22.0	5.4	3-29	22.0	5.7	4-06	0.0	0.0			
CENTER MOUNTAIN	151*	9400	1922	37.0				1-26	16.0	4.0	2-26	29.0	7.8	3-29	33.0	9.8						
VIRGINIA LAKES RIDGE	377	9200	1969	17.0	12-27	0.0	0.0	1-26	10.0	2.5	2-26	23.0	5.0	3-29	22.0	5.9	4-06	8.0	3.2			
SONORA PASS	152	8800	1930	24.0	12-27	0.0	0.0	1-26	13.0	3.2	2-26	19.0	5.3	3-29	19.0	6.8	4-26	0.0	0.0			
WILLOW FLAT	154	8250	1925	10.0				1-26	8.0	1.6	2-26	10.0	2.5	3-29	6.0	2.1						
BUCKEYE ROUGHS	155	7900	1922	20.0							2-22	12.0	2.7	3-29	13.0	4.4						
LEAVITT MEADOW	156	7200	1923	7.0				1-26	0.0	0.0	2-26	5.0	2.0	3-29	0.0	0.0						

TABLE I SNOW SURVEY DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
MONO LAKE BASIN																						
GEM PASS	281	10400	1931	31.0				2-01	11.9	2.7	3-02	25.1	6.7	4-05	26.5	8.3	4-27	0.0	0.0			
TIOGA PASS	181*	9800	1926	26.0				1-27	16.3	4.7	2-25	25.0	7.6	3-31	24.7	7.4	4-27	0.0	0.0			
SADDLEBAG LAKE	287	9750	1926	32.0				1-27	15.0	3.2	2-25	28.6	7.1	3-31	33.0	9.9	4-27	0.0	0.0			
ELLERY LAKE	286	9600	1926	28.0				1-27	16.2	3.8	2-25	29.2	7.0	3-31	33.7	9.7	4-27	0.0	0.0			
GEM LAKE	282	9150	1927	30.0				2-01	13.0	2.5	3-02	21.4	4.8	4-05	20.8	7.0	4-27	0.0	0.0			
OWENS RIVER																						
BISHOP LAKE	284*	11300	1951	19.0				1-31	14.2	3.3	3-02	23.0	5.5	3-24	21.3	5.6	4-28	7.2	2.0			
COTTONWOOD LAKES 2	220	11100	1926	14.0				1-24	17.4	4.8	2-22	21.0	5.4	3-28	18.0	5.1	4-29	0.0	0.0			
EAST PIUTE PASS	212	10800	1930	12.0				1-23	12.4	2.6	2-22	14.5	3.8	3-21	11.0	3.1	5-02	0.0	0.0			
FLOWER LAKE 2	406	10660	1976	--				1-28	20.9	5.5	2-26	31.8	8.1	3-29	32.1	9.7	4-30	2.5	0.6			
SAWMILL	213	10300	1926	18.0				1-31	9.0	2.1	3-01	15.4	2.7	3-25	15.1	3.8	4-27	0.0	0.0			
CAMPITO MOUNTAIN	407	10200	1959	4.0				1-27	6.0	0.9	2-25	5.0	1.0	4-02	7.0	1.8						
COTTONWOOD LAKES 1	221	10200	1926	12.0				1-23	18.5	4.8	2-23	21.0	4.8	3-29	16.8	5.8	4-29	0.0	0.0			
BIG PINE CREEK 1	217	10000	1926	23.0				1-25	15.7	3.6	2-24	22.8	5.6	3-30	28.5	6.6	4-29	2.6	1.0			
ROCK CREEK 3	209	10000	1926	15.0				1-26	9.0	2.0	2-25	13.3	3.2	3-29	7.1	2.2	4-28	0.0	0.0			
BIG PINE CREEK 3	218	9800	1926	17.0				1-25	17.0	3.9	2-24	22.4	5.1	3-30	23.8	6.1	4-28	0.0	0.0			
BIG PINE CREEK 2	219	9700	1926	15.0				1-25	12.5	2.9	2-24	15.1	3.0	3-30	12.8	2.9	4-29	0.0	0.0			
MAMMOTH PASS	205*	9500	1928	42.0				1-25	14.6	4.3	2-24	25.0	6.6	3-28	27.0	8.6	4-29	1.4	0.6			
NORTH LAKE	214	9300	1930	9.0				1-23	12.1	2.4	2-22	13.0	2.4	3-21	9.1	2.6	5-02	0.0	0.0			
ROCK CREEK 2	210	9050	1926	9.0				1-26	9.1	2.1	2-25	13.0	2.2	3-29	5.1	2.0	4-28	0.0	0.0			
MINARETS 2	206	9000	1928	28.0				1-25	11.2	3.6	2-24	21.9	5.2	3-28	21.1	6.8	4-29	0.0	0.0			
SOUTH FORK	215	8850	1927	5.0				2-01	7.5	1.3	3-02	6.5	1.0	3-23	2.0	0.3	4-27	0.0	0.0			
ROCK CREEK 1	211	8700	1926	7.0				1-26	7.6	1.8	2-25	7.3	1.6	3-29	0.0	0.0	4-28	0.0	0.0			
BISHOP PARK	216	8400	1927	4.0				1-24	5.1	0.8	2-22	0.0	0.0	3-22	0.0	0.0	5-02	0.0	0.0			
MAMMOTH	208	8300	1928	20.0				1-25	8.7	2.5	2-24	13.4	3.7	3-28	11.2	3.8	4-29	0.0	0.0			
MINARETS 3	367	8200	1966	20.0				1-25	8.6	2.3	2-24	14.4	3.6	3-28	11.4	4.1						
NUCLEAR 1	357	7800	1964	1.0				2-01	0.0	0.0	3-01	0.0	0.0	3-29	0.0	0.0	4-29	0.0	0.0			
SOUTH COASTAL AREA																						
PIRU CREEK																						
MOUNT PINOS	310	8600	1955	7.0							NO SURVEYS MADE											
SANTA ANA RIVER																						
DRY LAKE	411	9000	1976	--							3-02	25.8	8.4	4-04	26.5	11.7	5-17	10.5	3.9	3-24	22.5	9.5
UPPER WILD HORSE MEADOW	410	8680	1976	--							3-04	13.8	3.7	4-05	6.3	2.7	5-17	0.0	0.0			
CHRISTMAS TREE HILL	351	8500	1962	13.0				1-21	25.4	6.1	2-27	26.0	7.3	3-21	23.3	7.9	4-22	0.0	0.0			
UPPER THUNDER MOUNTAIN	300	8500	1955	19.0										3-31	10.4	4.0						
LOWER THUNDER MOUNTAIN	301	7500	1955	7.0										3-31	14.5	5.1						
HOLCOMB VALLEY	412	7240	1976	--							3-05	0.0	0.0	4-06	0.0	0.0	5-19	0.0	0.0			
IRONWOOD	413	6650	1976	--							3-05	0.0	0.0	4-06	0.0	0.0	5-19	0.0	0.0			
ICE HOUSE 4	303	5800	1955	1.0										4-06	0.0	0.0						
SAN GABRIEL RIVER																						
DEER FLATS	356	6800	1963	2.0										4-01	3.7	1.9						
COLORADO DESERT AREA																						
MOJAVE DESERT																						
ISLIP 3	305	7600	1945	15.0										4-05	37.2	13.3						
ISLIP 4	306	7550	1950	19.0										4-05	36.5	15.1						
ISLIP 2	304	7400	1944	12.0										4-01	15.3	6.6						
BLUE RIDGE	340	7200	1959	3.0										4-05	5.8	2.0						
CEDAR SPRINGS	272	6500	1948	7.0				2-01	24.5	9.7				4-05	12.6	5.3						
SQUAW CAMP	273	5800	1948	0.0										4-05	0.0	0.0						
WHITEWATER RIVER																						
TAHQUITZ VALLEY	296	7800	1952	9.0							2-28	19.1	8.5	4-01	16.4	7.7						

(1) THE CALIFORNIA NUMBER IS ASSIGNED FOR IDENTIFICATION ONLY.

(2) AVERAGE APRIL 1 WATER CONTENT FOR THE PERIOD 1931-1975

* AERIAL MARKER LOCATED ON OR NEAR SNOW COURSE WITH SAME NAME AND NUMBER.

TABLE 2
AERIAL MARKER DATA

AREA, DRAINAGE BASIN, AND AERIAL MARKER	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
CENTRAL VALLEY AREA																						
FEATHER RIVER																						
PILOT PEAK	388	6800	1972	52.0																		
GOLD LAKE	575	6750	1972	41.0																		
THREE LAKES	53	6250	1965	42.0																		
HARKNESS FLAT	51	6200	1964	29.0																		
MILL CREEK FLAT	54	5900	1965	40.0																		
FREDONYER PASS NO 1	56	5750	1964	8.0																		
LETTERBOX	49	5600	1965	50.0																		
FEATHER RIVER MEADOWS	58	5400	1964	23.0																		
WARNER CREEK	59	5100	1964	16.0																		
HUMBUG SUMMIT	60	4850	1964	12.0																		
YUBA RIVER																						
RED MOUNTAIN	67	7200	1965	51.0																		
DONNER SUMMIT	69	6900	1965	40.0																		
FURNACE FLAT	76	6700	1965	48.0																		
LAKE FORDYCE	77	6500	1965	41.0																		
ROBINSON COW CAMP	389	6460	1972	49.0																		
SUNNYSIDE MEADOW	390	6200	1972	62.0																		
AMERICAN RIVER																						
LYONS LAKE	552	8500	1964	50.0																		
UPPER CARSON PASS	106	8500	1960	35.0				1-25	15	3	2-25	24	7	3-21	24	9	4-22	0	0			
LAKE LOIS	502	8250	1963	31.0																		
LAKE NO 3	501	8200	1963	58.0																		
PHIPPS CREEK	503	7600	1963	23.0																		
LOST CORNER MOUNTAIN	338	7500	1963	35.0																		
WILLOW FLAT	551	7400	1964	36.0																		
TWO PEAKS	548	7350	1964	30.0																		
SHADOW LAKE	550	7300	1964	41.0																		
SILVER LAKE	109	7100	1960	23.0				1-25	6	2	2-25	16	3	3-21	14	5	4-22	0	0			
NIGGER FLAT	555	6950	1964	21.0																		
WRIGHTS LAKE	316	6900	1963	33.0																		
QUINNS CORRAL	553	6800	1966	36.0																		
UPPER BASSI	549	6350	1964	13.0																		
HELLS DELIGHT	554	5750	1964	9.0																		
MOKELUMNE RIVER																						
HIGHLAND MEADOW	323	8800	1960	48.0				1-25	23	7	2-25	39	10	3-21	39	12	4-25	15	5			
BLUE LAKES	129	8000	1960	35.0				1-25	22	7	2-25	39	12	3-21	20	6	4-25	2	1			
PACIFIC VALLEY	132	7500	1960	38.0				1-25	21	6	2-25	26	8	3-21	32	10	4-22	0	0			
BEAR VALLEY RIDGE NO 1	134	6700	1960	25.0				1-25	16	5	2-25	23	7	3-21	24	7	4-22	0	0			
STANISLAUS RIVER																						
DEADMAN CREEK	345	9250	1966	35.0				1-25	13	4	2-25	24	7	3-21	30	9	4-25	0	0			
CLARK FORK MEADOW	344	8900	1966	39.0				1-25	14	4	2-25	24	7	3-21	30	9	4-25	4	1			
MOUNT REHA	566	8500	1969	47.0				1-25	14	4	2-25	30	8	3-21	33	9	4-22	6	2			
LOWER RELIEF VALLEY	138	8100	1960	39.0				1-25	12	4	2-25	22	6	3-21	22	7	4-22	0	0			
SODA CREEK FLAT	139	7800	1960	22.0				1-25	4	1	2-25	5	1	3-21	5	2	4-22	0	0			
LAKE ALPINE	141	7550	1960	41.0				1-25	17	5	2-25	30	8	3-21	24	7	4-22	0	0			
EAGLE MEADOW	140	7500	1960	24.0				1-25	11	3	2-25	11	3	3-21	7	2	4-22	0	0			
RELIEF DAM	143	7250	1960	20.0				1-25	10	3	2-25	16	4	3-21	11	3	4-22	0	0			
TUOLUMNE RIVER																						
DANA MEADOWS	157	9850	1952	30.0				1-30	14	4	2-27	30	8				4-23	5	2			
BOND PASS	159	9300	1970	45.0				1-30	14	4	2-27	24	6				4-23	6	3			
NEW GRACE MEADOW	368	8900	1970	47.0				1-30	18	5	2-27	30	8									

DATE MEASURED, DEPTH AND ESTIMATED WATER CONTENT IN INCHES

TABLE 2 AERIAL MARKER DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND AERIAL MARKER	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
					DATE MEASURED, DEPTH AND ESTIMATED WATER CONTENT IN INCHES																	
TUOLUMNE RIVER (CONTINUED)																						
HORSE MEADOW	162	8400	1970	48.0				1-30	24	6	2-27	32	8				4-23	2	1			
WILMA LAKE	163	8000	1970	44.0				1-30	15	4	2-27	28	7									
SACHSE SPRINGS	165	7900	1970	39.0				1-30	11	3	2-27	18	5				4-23	0	0			
HUCKLEBERRY LAKE	166	7800	1970	44.0				1-30	20	5	2-27	29	7				4-23	0	0			
SPOTTED FAWN	164	7800	1970	48.0				1-30	23	6	2-27	22	5				4-23	0	0			
PARADISE	167	7700	1970	41.0				1-30	16	4	2-27	23	6									
UPPER KIBBIE RIDGE	168	6700	1970	20.0				1-30	4	1	2-27	6	2				4-23	0	0			
LOWER KIBBIE RIDGE	173	6700	1970	27.0				1-30	8	2	2-27	15	4				4-23	0	0			
VERNON LAKE	169	6700	1970	24.0				1-30	6	2	2-27	6	2				4-23	0	0			
BEEHIVE MEADOW	171	6500	1970	26.0				1-30	12	3	2-27	12	3				4-23	0	0			
SAN JOAQUIN RIVER																						
HUMPHREYS BASIN	509	11600	1952	27.0																		
EMERALD LAKE	184	10600	1952	35.0				1-23	15	4	2-25	22	6				4-22	6	2			
PIONEER BASIN	276	10400	1952	35.0				1-25	13	3							4-22	4	1			
ISLAND PASS	504	10300	1953	38.0																		
BENCH CANYON	506	10200	1953	37.0				1-23	13	3	2-24	20	6	3-21	18	5	4-22	0	0			
HEART LAKE	185	10100	1952	27.0				1-23	13	3	2-25	18	5				4-22	0	0			
VOLCANIC KNOB	186	10100	1953	30.0				1-23	14	4	2-25	22	6				4-22	0	0			
ROSE MARIE	187	10000	1952	29.0				1-23	19	5							4-22	6	0			
COLBY MEADOW	188	9700	1953	22.0				1-23	13	3							4-22	0	0			
AGNEW PASS	189	9450	1952	31.0																		
DUTCH LAKE	191	9100	1953	27.0				1-23	21	5							4-22	0	0			
KAISER PASS	190	9100	1953	38.0																		
COYOTE LAKE	192	8850	1953	32.0				1-23	15	4	2-25	18	5				4-22	0	0			
CORA LAKES	193	8400	1967	38.0				1-23	18	5	2-24	14	4									
STRING MEADOW	508	8400	1953	31.0				1-23	14	4	2-24	17	5	3-21	15	4	4-22	0	0			
TWIN MEADOWS	505	8400	1953	16.0																		
GREEN MOUNTAIN	571	7900	1971	26.0				1-23	17	4	2-24	24	7	3-21	18	5	4-28	0	0			
CLOVER MEADOW	200	7000	1967	23.0				1-23	12	3	2-24	6	2									
JACKASS MEADOW	201	6950	1966	23.0				1-23	15	4	2-24	18	5									
CHIQUITO CREEK	202	6800	1967	22.0				1-23	11	3	2-24	18	5									
KINGS RIVER																						
BISHOP PASS	222	11200	1953	31.0										3-21	12	3						
TABOOSE PASS	536	11000	1954	25.0				1-25	15	4	2-24	12	3									
CHARLOTTE RIDGE	299	10700	1960	32.0																		
BENCH LAKE	398	10600	1966	25.0							2-24	18	5									
BLACKCAP BASIN	223	10300	1953	34.0													4-22	3	0			
STATE LAKES	545	10300	1956	25.0				1-25	6	2	2-25	6	2				4-22	0	0			
GRANITE BASIN	546	10000	1953	39.0				1-25	12	3	2-26	33	9				4-22	12	0			
MITCHELL MEADOW	511	9900	1956	34.0				1-25	9	2	2-25	24	6				4-22	0	0			
RATTLESNAKE CREEK BASIN	396	9900	1953	37.0																		
BEARD MEADOW	225	9800	1967	32.0																		
UPPER BURNT CORRAL MEADOW	224	9700	1953	35.0																		
SCENIC MEADOW	397	9650	1953	26.0							2-25	18	5				4-22	0	0			
ROUND CORRAL	229	9000	1967	34.0																		
ROWELL MEADOW	226	8850	1967	27.0				1-25	12	3	2-25	18	5									
WEST WOODCHUCK MEADOW	570	8800	1970	28.0				1-25	12	3	2-25	18	5				4-22	0	0			
WOODCHUCK MEADOW	227	8800	1962	31.0				1-25	16	4	2-25	18	5				4-22	0	0			
LONG MEADOW	232	8500	1967	28.0							2-25	7	2									
STATUN MEADOW	233	8300	1967	31.0				1-25	15	4	2-25	18	5									
HELMS MEADOW	230	8250	1967	25.0				1-25	8	2	2-25	15	4				4-22	0	0			
DODSONS MEADOW	308	8050	1966	29.0																		

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TABLE 2 AERIAL MARKER DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND AERIAL MARKER	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
KINGS RIVER (CONTINUED)																						
HORSE CORRAL MEADOW	237	7600	1967	17.0				1-25	12	3	2-25	12	3									
PATTERSON MOUNTAIN	567	7300	1970	15.0																		
FRED MEADOW	239	7200	1967	21.0				1-25	12	3	2-25	9	3				4-22	0	0			
KAWEAH RIVER																						
GIANT FOREST	568	6650	1970	4.0				1-25	0	0	2-25	3	0				4-22	0	0			
TULE RIVER																						
SUMMIT LAKE	576	9000	1974	28.0				1-25	0	0	2-25	6	2	3-21	5	20	4-22	0	0			
LONG MEADOW	577	7400	1974	27.0				1-25	14	4				3-21	17	70	4-22	0	0			
KERN RIVER																						
UPPER TYNDALL CREEK	516	11450	1957	29.0				1-25	20	0	2-24	30	6				4-22	0	0			
BIGHORN PLATEAU	250	11350	1953	23.0																		
COTTONWOOD PASS	251	11050	1970	13.0																		
SIBERIAN PASS	252	10900	1953	18.0																		
CRABTREE MEADOW	253	10700	1970	19.0																		
GUYOT FLAT	254	10650	1970	21.0				1-25	12	2	2-24	18	5				4-22	0	0			
SANDY MEADOW	275	10650	1970	19.0																		
TYNDALL CREEK	255	10650	1967	18.0																		
SHOTGUN PASS	517	10400	1959	27.0				1-25	12	2	2-24	21	5				4-22	3	0			
CHAGOOPA PLATEAU	514	10300	1953	21.0				1-25	8	2	2-24	15	4				4-22	0	0			
BIG WHITNEY MEADOW	257	9750	1970	17.0																		
ROCK CREEK	256	9600	1970	17.0																		
PASCOE	569	9130	1971	27.0				1-25	24	4	2-25	24	6				4-22	0	0			
ROUND MEADOW	258	9000	1953	26.0																		
WET MEADOW	518	8950	1957	23.0				1-25	12	2	2-25	15	4				4-27	0	0			
RAMSHAW MEADOW	259	8700	1953	11.0																		
LITTLE WHITNEY MEADOW	260	8500	1964	13.0																		
CASA VIEJA MEADOWS	262	8400	1964	19.0							2-24	12	3				4-22	0	0			
QUINN RANGER STATION	264	8350	1953	20.0				1-25	12	2												
BONITA MEADOWS	261	8300	1964	14.0							2-24	9	2				4-22	0	0			
BEACH MEADOWS	265	7650	1964	9.0							2-24	6	2				4-22	0	0			
LAHONTON AREA																						
CARSON RIVER																						
EBBETS PASS	406	8700	1964	35.0				1-26	10	3				3-29	34	12	4-26	0	0			
UPPER FISH VALLEY	563	8100	1961	14.0				1-26	10	3				3-29	10	3						
WET MEADOWS LAKE	403	8100	1964	27.0				1-26	13	3				3-29	19	7	4-26	0	0			
WOLF CREEK	560	8000	1965	27.0				1-26	10	3												
POISON FLAT	330	7700	1961	15.0																		
WALKER RIVER																						
CENTER MOUNTAIN	151	9400	1961	37.0				1-30	10	3	2-27	11	3									
LOBDELL LAKE	564	9200	1964	16.0				1-21	11	3												
MONO LAKE BASIN																						
DONAHUE PASS	522	10800	1952	29.0				1-25	16	4	2-24	24	6	3-21	24	7						
ALGER LAKE	521	10600	1952	24.0																		
SLATE CREEK	520	10300	1952	30.0																		
SADDLEBAG LAKE	519	10200	1952	45.0																		
WARREN CREEK	523	10200	1953	24.0				1-25	14	4	2-24	24	7	3-21	21	6						
TIOGA PASS	181	9800	1968	26.0				1-30	5	1	2-27	29	9									

TABLE 2 AERIAL MARKER DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND AERIAL MARKER	CALIF. NUMBER (1)	ELEV IN FEET	RECORD BEGAN	AVERAGE APR 1 WC IN INCHES (2)	JANUARY DATE	JANUARY DEPTH	JANUARY WC	FEBRUARY DATE	FEBRUARY DEPTH	FEBRUARY WC	MARCH DATE	MARCH DEPTH	MARCH WC	APRIL DATE	APRIL DEPTH	APRIL WC	MAY DATE	MAY DEPTH	MAY WC	SUPPLEMENTARY DATE	SUPPLEMENTARY DEPTH	SUPPLEMENTARY WC
OWENS RIVER																						
SCHOOLER PASS	525	12300	1952	15.0				1-25	14	4	2-24	18	5	3-21	13	4	4-22	0	0			
MOUNT MORGAN	533	12000	1954	24.0				1-25	9	3	2-24	20	5	3-21	5	2						
PIUTE PASS	565	11700	1962	4.0																		
BIG PINE CREEK BASIN	534	11500	1954	24.0				1-25	15	4	2-24	32	8	3-21	30	9						
COYOTE RIDGE	527	11500	1952	35.0																		
LAKE DOROTHY	531	11400	1954	33.0				1-25	15	4	2-24	22	6	3-21	30	9						
SAWMILL PASS	537	11400	1954	29.0				1-25	19	5	2-20	36	9	3-21	37	11						
BISHOP LAKE	284	11300	1953	19.0																		
KEARSARGE PASS	402	11300	1954	20.0																		
COTTONWOOD LAKES	541	11290	1954	18.0																		
HORSESHOE MEADOWS	543	11100	1954	10.0				1-25	19	5	2-24	9	2	3-21	14	4						
DRUNKEN SAILOR	530	11000	1953	29.0																		
PIUTE LAKE (EAST)	524	11000	1952	20.0				1-25	10	3	2-24	11	3	3-21	6	2						
GEORGE LAKE	529	10600	1953	15.0				1-25	9	3	2-24	14	4	3-21	12	4	4-22	0				
CHIATOVICH FLAT	556	10500	1965	3.0																		
COTTONWOOD LAKES 1	221	10200	1954	12.0																		
SHEPHERDS PASS	540	10500	1954	31.0				1-25	24	6	2-24	40	10	3-21	24	7						
TREASURE LAKE	523	10200	1953	27.0																		
BIG PINE LAKES	535	10100	1954	16.0																		
ROCK CREEK LAKES	532	10000	1954	13.0																		
MAMMOTH PASS	205	9500	1954	42.0																		
ONION VALLEY	538	9000	1954	8.0																		

(1) THE CALIFORNIA NUMBER IS ASSIGNED FOR IDENTIFICATION ONLY. A NUMBER LESS THAN 500 INDICATES THE AERIAL MARKER IS WITHIN 1000 FEET OF THE SNOW COURSE HAVING THE SAME NAME AND NUMBER.

(2) AVERAGE APRIL 1 WATER CONTENT FOR THE PERIOD 1931-1975 IS THE AVERAGE FOR THE ASSOCIATED SNOW COURSE.

TABLE 3
PRECIPITATION DATA

AREA, DRAINAGE BASIN, AND PRECIPITATION STATION	ELEV IN FEET	PRECIPITATION (1) MONTHLY TOTALS JAN 1977	FEB 1977	MAR 1977	APR 1977	OCT 1, 1976 - APR 30, 1977 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
NORTH COASTAL AREA									
SMITH RIVER									
GASQUET RS	384	4.85	7.33	10.00	1.62	85.83	29.66	35	93.96
CRESCENT CITY 11E	360	4.31	8.81	10.81	1.89	93.78	31.08	33	104.00
BROOKINGS, OREGON	80	3.00	6.00	8.10	1.60	69.75	24.27 e	35	79.15
CRESCENT CITY 1N	40	3.03	4.79	8.08	1.70	64.13	22.31	35	72.09
KLAMATH RIVER									
KLAMATH FALLS 2SSW, OREGON	4096	0.85	0.43	0.45	0.05	10.73	2.36	22	13.75
TULELAKE	4035	0.86	1.19	0.64	0.05	7.53	3.32	44	10.46
CALLAHAN RS	3136	1.08	1.33	1.26	0.55	17.88	5.47	31	20.18
MONTAGUE	2500	0.31	0.76	0.73	0.25	10.26	3.73	36	12.81
YREKA	2625	1.26	1.29	1.03	0.14	15.42	4.63	30	18.34
HAPPY CAMP RS	1090	3.23	4.00	3.75	0.60	51.47	14.06	27	55.45
ORLEANS	403	3.89	4.17	4.15	0.99	47.35	16.26	34	51.52
ORICK ARCATA REDWOOD CO	75	4.32	4.86	6.53	1.99	58.75	23.14	39	65.27
TRINITY RIVER									
COFFEE CREEK RS	2500	3.00	3.10	2.70	1.00	46.90	12.40	26	54.48
BURNT RANCH 1S	2150	3.35	3.13	4.06	0.95	40.54	14.19	35	43.70
WEAVERVILLE RS	2050	2.27	1.91	2.34	0.49	34.07	10.09	30	37.25
BIG BAR RS	1260	3.00	2.80	2.51	0.39	34.86	10.93	31	37.56
EEL RIVER									
MAD RIVER RS	2775	4.23	4.28	4.61	0.78	54.80	15.77	29	58.88
ALDERPOINT	460	3.83	3.63	4.21	0.34	45.62	15.02	33	48.81
BRIDGEVILLE 4NNW	2050	5.10	4.37	6.93	1.09	60.30	22.05	37	65.11
COVELO	1385	2.75	3.20	3.12	0.60	38.34	12.52	33	40.70
STANDISH-HICKEY STATE PARK	850	3.97	4.43	5.27	0.81	69.15	18.67	27	73.51
HONEYDEW 1SW	370	3.06	6.78	6.26	1.00	103.45	22.86	22	109.65
UPPER MATTOLE	255	3.05	5.37	6.08	0.96	74.24	20.67	28	79.01
HOOPA	360	3.29	4.31	6.03	0.69	53.99	17.71	33	58.02
SCOTIA	139	2.53	3.43	4.90	0.67	44.88	14.77	33	47.90
FORT BRAGG	80	1.94	2.43	2.45	0.60	36.35	10.97	30	38.94
EUREKA NWS CITY	43	1.90	2.24	4.33	1.20	35.64	13.46	38	39.15
RUSSIAN RIVER									
CAZADERO 3W	1100	3.64	3.45	3.81	1.65	62.18	18.81	30	65.68
POTTER VALLEY PH	1014	2.72	3.04	3.12	0.40	41.37	12.36	30	43.98
UKIAH	623	2.49	2.99	2.54	0.14	34.66	11.35	33	36.46
BOONVILLE MAINT STATION	342	2.08	3.69	3.34	0.18	36.42	13.46	37	38.25
SANTA ROSA	167	2.01	1.93	2.65	0.23	27.96	10.19	36	29.42
FORT ROSS	116	2.03	2.20	2.39	0.71	36.67	11.37	31	39.12
HEALDSBURG	102	2.53	2.74	2.38	0.35	39.43	12.37	31	41.17
SAN FRANCISCO BAY AREA									
MOUNT HAMILTON	4206	2.04	2.06	3.83	0.25	23.64	11.81	50	24.77
GERBER RANCH	2140	1.83	0.68	1.53	0.01	17.47	6.98	40	18.18
ANGWIN PAC UNION COLLEGE	1815	2.49	2.74	3.62	0.20	37.52	12.90	34	39.11
LAGUNITAS LAKE	785	4.56	2.75	4.96	0.51	47.97	20.10	42	50.04
LIVERMORE CO F D	490	1.15	0.83	0.83	0.16	13.68	4.70	34	14.32
SAN JOSE	70	0.76	0.55	1.92	0.10	13.03	5.60	43	13.69
NAPA STATE HOSPITAL	60	1.75	1.50	2.58	0.48	23.18	9.30	40	24.29
SAN FRANCISCO FOB	52	1.65	0.90	2.01	0.05	19.48	8.16	42	20.38
REDWOOD CITY	31	1.46	0.86	1.97	0.01	19.25	7.02	36	20.01
OAKLAND NWS AP	3	1.06	0.81	1.83	0.10	17.30	6.82	39	18.17
CENTRAL COASTAL AREA									
SALINAS RIVER									
PRIEST VALLEY	2300	1.57	0.21	1.64	0.0	19.89	6.99	35	20.62
PASO ROBLES	700	1.47	0.03	1.31	0.0	13.44	5.74	43	13.97
SAN ARDO	435	1.12	0.0	1.18	0.0	11.87	6.03	51	12.12
KING CITY	320	1.00	0.01	1.04	0.02	10.27	4.29	42	10.61
SAN LUIS OBISPO POLY	300	2.01	0.08	2.13	0.06	21.44	8.30	39	22.06
BIG SUR STATE PARK	235	2.50	1.01	3.39	0.0	39.62	11.25	28	41.12
SALINAS FAA AP	75	0.87	0.17	0.97	0.26	13.28	5.65	43	13.93
JUNCAL DAM	2075	5.37	0.24	3.07	0.0	26.80	10.84	40	27.81
PAJARO RIVER									
HOLLISTER 2	279	0.98	0.52	0.74	0.32	12.56	5.15	41	13.14
SANTA CRUZ	125	1.60 e	1.55	2.24	0.21	28.79	12.49 e	43	30.18
WATSONVILLE WATER WORKS	95	1.12	0.87	1.87	0.02	20.17	7.71	38	21.02
SANTA MARIA AND SANTA YNEZ R									
CACHUMA DAM	781	3.75	0.13	2.50	0.0	18.04	9.25	51	18.69
LOS ALAMOS	565	2.60	0.13	2.02	0.01	14.37	6.16	43	14.88
SANTA MARIA NWS AP	238	1.39	0.06	1.02	0.04	12.75	4.08	32	13.22
SANTA BARBARA	100	4.01	0.19	1.59	0.0	17.23	7.91	46	17.70
SOUTH COASTAL AREA									
COASTAL PLAIN									
LOS ANGELES NWS CITY	312	2.83	0.17	1.90	0.0	14.09	6.38	45	14.56
SANTA ANA FS	115	2.91	0.93	0.87	0.0	13.08	5.80	44	13.55

TABLE 3 PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND PRECIPITATION STATION	ELEV IN FEET	PRECIPITATION (1) MONTHLY TOTALS JAN 1977	FEB 1977	MAR 1977	APR 1977	OCT 1, 1976 - APR 30, 1977 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
COASTAL PLAIN (CONTINUED)									
LOS ANGELES NWS AP	97	3.21	0.26	1.23	0.0	12.05	8.02	67	12.39
LAGUNA BEACH	56	2.99	1.00	1.09	0.0	11.46	6.71	59	12.04
VENTURA	45	4.64	0.19	1.71	0.0	14.70	7.27	49	15.03
LONG BEACH AP	34	1.80	0.35	1.35	0.0	13.40	4.98	37	13.79
SAN DIEGO NWS AP	19	2.36	0.08	0.61	0.01	9.51	5.24	55	9.95
SANTA CLARA RIVER									
ACTON-ESDO	2960	2.30	0.10	1.10	0.0	9.58	4.20	44	10.25
SAUGUS PP NO 1	2105	5.27	0.17	1.74	0.0	17.68	7.88	45	18.54
DRY CANYON RESERVOIR	1515	3.45	0.07	1.41	0.0	12.09	5.82	48	12.67
SANTA PAULA	263	5.56	0.21	2.12	0.0	17.04	8.81	52	17.44
LOS ANGELES RIVER									
HAINES CANYON UPPER	3450	7.50	0.20	2.70	0.0	26.66	13.00	49	27.85
BIG TUJUNGA DAM	2315	4.98	0.13	2.42	0.0	25.38	9.26	36	26.24
OPIDS CAMP FC57BE	4250	8.48	0.29	2.85	0.0	38.46	14.86	39	40.12
BURBANK VALLEY PP	655	4.37	0.20	1.85	0.0	14.03	9.52	68	14.52
SAN GABRIEL RIVER									
MT WILSON	5709	11.54	0.42	4.31	0.0	31.44	19.54	62	32.58
SAN DIMAS TANBARK FLAT	2745	6.89	0.50	2.34	0.07	22.24	12.67	57	23.06
HOEGEES	2650	7.77	0.40	2.78	0.0	35.59	14.60	41	37.06
HENNINGER FLATS	2550	6.69	0.33	2.51	0.05	24.62	12.69	52	26.11
BIG DALTON DAM FC 223 BE	1575	5.63	0.81	2.59	0.03	20.27	11.35	56	21.70
SAN DIMAS DAM	1350	5.65	0.49	1.93	0.02	20.34	10.20	50	21.35
CLAREMONT POMONA COLLEGE	1201	4.34	0.65	1.70	0.0	16.33	8.99	55	17.02
SANTA ANA RIVER									
BIG BEAR LAKE	6745	3.10	0.64	1.50	0.0	30.43	6.88	23	33.31
LAKE ARROWHEAD	5250	5.01	0.84	4.43	0.01	39.12	13.90	36	41.35
MT BALDY G S FC85G	4275	9.21	0.40	2.93	0.02	31.29	15.52	50	32.76
LYTLE CREEK RS	2760	8.81	0.64	3.26	0.04	32.90	15.43	47	34.05
ELSINORE	1285	2.26	0.78	1.09	0.0	10.63	4.94	46	11.17
SAN BERNARDINO CO HOSPITAL	1125	2.93	0.68	1.51	0.0	15.52	6.82	44	16.47
SAN DIEGO COUNTY									
CUYAMACA	4650	5.02	1.40	3.49	0.53	32.20	15.92	49	35.13
JULIAN WYNOLA	3650	3.82	0.99	2.87	0.72	24.14	11.99	50	26.86
WARNER SPRINGS	3180	6.60	0.35	2.12	0.25	13.45	10.82 e	80	15.64
CAMPO	2630	2.86	0.35	0.85	0.19	13.47	6.27	47	14.98
BARRETT DAM	1623	3.42	0.54	2.12	0.30	15.32	8.79	57	16.37
EL CAPITAN DAM	600	2.13	0.57	1.27	0.25	13.95	9.28	67	14.93
CENTRAL VALLEY AREA									
SACRAMENTO VALLEY FLOOR									
FRENCH GULCH	1100	2.28	2.08	2.73	0.35	35.79	9.19	26	38.96
REDDING FS NO 2	577	3.00	1.75	2.51	0.34	35.61	9.09	26	38.98
ONO	980	3.03	1.57	2.27	0.52	32.29	9.00	28	35.16
VOLTA PH	2200	3.25	1.19	1.88	0.78	29.36	8.73	30	33.25
HARRISON GULCH RS	2710	2.59	2.55	3.47	0.62	32.04	11.23	35	35.44
DARRAH SPRINGS FISH HATCH.	975	2.91	1.46	1.54	0.73	25.43	8.21	32	28.42
MINERAL	4911	2.69	3.06	3.83	0.90	46.74	12.53	27	51.77
RED BLUFF NWS AP	341	2.70	1.35	1.37	0.98	19.61	7.66	39	21.47
DESABLA	2700	4.66	3.36	4.51	1.10	59.52	17.33	29	63.54
PASKENTA RS	755	1.72	1.25	2.73	0.48	20.76	7.73	37	22.43
ORLAND	254	2.25	1.03	1.69	0.59	19.00	7.09	37	20.42
CHICO EXP STATION	205	2.27	1.32	1.32	0.01	24.35	7.09	29	26.12
STONY GORGE RESERVOIR	791	1.54	1.02	3.89	0.23	18.67	8.51	46	20.05
WILLOWS	140	1.84	0.70	1.55	0.03	16.22	5.95	37	17.37
OROVILLE R S	300	2.17	1.62	1.12	0.62	26.77	6.83	26	28.52
EAST PARK RESERVOIR	1205	1.49	0.85	1.71	0.0	17.94	5.66	32	19.11
STONYFORD COOLEY RANCH	3015	3.17	3.40	3.49	0.11	48.74	13.92	29	51.61
WILLIAMS	85	1.45	0.63	1.78	0.14	13.05	5.55	43	13.93
MARYSVILLE	60	1.80	1.36	1.01	0.04	19.20	5.40	28	20.39
LAKEPORT	1343	2.28	2.46	2.23	0.18	27.94	9.96	36	29.38
LEESVILLE KEEGAN RANCH	1330	1.71	1.54	2.04	0.0	21.51	6.96	32	22.58
NICOLAUS NO 2	47	1.23	1.54	0.90	0.05	16.70	4.63	28	17.71
DUNNIGAN-POWERS RANCH	104	1.70	1.12	1.76	0.02	15.63	6.35	41	16.36
COBB	2520	3.28	3.12	3.36	0.11	63.72	14.29	22	66.52
CITRUS HEIGHTS	138	1.63	1.19	1.04	0.10	21.89	4.74	22	23.14
CAPAY 4W	300	1.57	1.13	2.11	0.04	21.51	6.83	32	22.49
WOODLAND 1WNW	69	1.59	1.07	2.05	0.04	16.21	6.72	41	17.06
SACRAMENTO NWS CITY	25	1.36	1.10	1.33	0.36	17.16	5.39	31	18.05
DAVIS 2WSW	60	1.34	0.89	1.83	0.01	16.04	5.81	36	16.83
WINTERS	135	1.94	0.87	2.01	0.0	18.06	6.94	38	18.80

TABLE 3 PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND PRECIPITATION STATION	ELEV IN FEET	PRECIPITATION (1) MONTHLY TOTALS JAN 1977	FEB 1977	MAR 1977	APR 1977	OCT 1, 1976 - APR 30, 1977 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
SAN JOAQUIN VALLEY FLOOR									
CAMP PARDEE	658	1.18	1.28	1.46	0.10	19.74	5.38	27	20.97
GALT	47	1.08	1.14	1.05	0.01	15.62	4.82	31	16.48
CAMANCHE SOUTH STATION	330	0.50	1.00	1.55	0.07	18.08	4.45	25	19.15
RIO VISTA	22	1.33	1.04	1.50	1.13	15.50	7.03	45	16.26
LODI	40	1.24	1.19	1.63	0.12	15.46	5.76	37	16.33
ANTIOCH FIBREBOARD MILL	28	0.71	0.79	1.24	0.23	12.58	4.85	39	13.22
STOCKTON FS NO 4	11	1.06	0.91	1.06	0.04	15.05	4.73	31	15.85
OAKDALE	155	1.07	1.20	1.17	0.05	17.12	4.85	28	17.90
KNIGHTS FERRY 2SE	315	0.99	1.02	1.48	0.13	16.71	5.60	34	17.65
TRACY CARBONA	140	0.84	0.38	0.58	0.12	9.06	5.00	55	9.71
MODESTO	91	0.83	0.77	1.21	0.19	11.33	4.88	43	12.01
DENAIR 3NNE	137	0.73	0.67	1.09	0.15	11.72	4.65	40	12.37
NEWMAN 2NW	108	0.63	0.20	0.79	0.0	11.18	3.88	35	11.70
MERCED A P	153	0.66	0.48	1.05	0.02	11.39	4.00	35	11.98
LOS BANOS	125	0.71	0.30	0.37	0.02	8.49	3.73	44	8.95
DELTA RANCH	90	0.76	0.28	0.35	0.0	8.32	2.72	33	8.79
FRIANT GOVERNMENT CAMP	410	0.82	0.25	1.05	0.0	13.81	5.29	38	14.23
MADERA	264	0.60	0.22	1.05	0.0	11.85	4.48	38	12.53
MENDOTA DAM	166	0.86	0.18	0.54	0.0	7.28	3.56	49	7.73
FRESNO NWS AP	331	0.68	0.09	1.04	0.04	10.37	4.98	48	10.82
ORANGE COVE	431	0.96	0.17	0.41	0.0	12.80	4.32	34	13.39
PANOCHE	1265	1.87	0.20	0.45	0.0	7.98	4.64	58	8.38
LEMON COVE	513	0.77	0.31	0.08	0.0	13.18	3.70	28	13.98
VISALIA	354	0.43	0.10	0.37	0.0	10.20	2.62	26	10.68
HANFORD 2 S	240	0.59	0.03	0.43	0.0	7.56	3.50	46	7.94
LINDSAY	395	0.70	0.18	0.41	0.0	10.89	3.13	29	11.57
COALINGA	671	0.35	0.02	0.43	0.0	6.94	2.25	32	7.35
PORTERVILLE	393	0.66	0.10	0.35	0.0	10.62	2.38	22	11.21
ANGIOLA	205	0.45	0.01	0.46	0.07	7.11	2.41	34	7.52
WASCO	333	0.77	0.01	0.79	0.05	6.25	3.05	49	6.71
SOUTH BELRIDGE	575	0.88	0.0	0.59	0.0	5.05	2.42	48	5.41
BAKERSFIELD NWS AP	494	0.66	0.07	1.28	0.0	5.66	2.28	40	6.07
TEHACHAPI	3975	2.66	0.71	1.62	0.0	9.65	6.37	66	11.05
TEJON RANCHO	1425	0.89	0.34	2.56	0.32	10.80	6.49	60	11.65
PATTIWAY	3868	1.96	0.10	2.55	0.0	8.89	6.43	72	9.48
UPPER SACRAMENTO, PIT, AND MCCLOUD RIVERS									
DESS VALLEY	5290	1.18	0.59	1.22	0.42	12.51	5.52	44	17.56
ALTURAS RS	4365	1.06	0.48	0.49	0.11	9.51	2.33	25	12.84
MOUNT SHASTA NWS CITY	3544	1.07	1.84	1.58	1.18	32.49	7.66	24	36.56
MCCLOUD	3300	2.31	1.90	2.98	0.79	45.53	10.40	23	50.48
HAT CREEK PH NO 1	3015	1.73	1.29	1.05	0.59	15.61	5.25	34	18.56
DUNSMUIR RS	2420	2.46	2.25	3.57	0.61	52.99	11.42	22	58.59
PIT RIVER PH NO 5	1458	3.32	3.08	3.05	1.26	68.98	13.86	20	76.32
VOLLMERS	1359	3.48	2.38	3.83	1.33	63.13	13.98	22	68.19
SHASTA DAM	1076	3.31	2.48	2.96	1.26	54.84	12.04	22	59.27
FEATHER RIVER									
SIERRAVILLE RS	4975	1.93	2.85	1.47	0.23	23.42	8.97	38	26.27
VINTON	4945	1.48	1.30	0.68	0.07	10.66	4.64	44	13.22
PORTOLA	4838	0.98	1.98	1.49	0.09	18.22	5.59	31	20.90
CANYON DAM	4555	2.48	2.66	1.93	0.66	35.92	8.95	25	39.36
CHESTER	4525	2.18	1.62	0.47	0.19	29.15	5.24	18	32.54
BRUSH CREEK RS	3560	5.48	5.01	2.54	0.60	66.51	16.85	25	71.05
QUINCY	3409	1.95	1.99	1.28	0.30	37.60	6.82	18	41.00
CARIBOU PH	2986	2.43	2.66	1.96	0.60	37.94	9.06	24	41.23
BUCKS CREEK PH (STORRIE)	1760	4.13	3.72	3.93	0.68	61.39	15.00	24	65.92
YUBA RIVER									
SODA SPRINGS 1E	6885	4.59	4.25	4.76	0.75	59.21	17.71	30	65.01
BOWMAN DAM	5347	4.30	5.05	4.16	0.86	61.70	17.83	29	67.55
LAKE SPAULDING	5156	5.08	4.47	3.66	0.60	62.43	17.60	28	68.02
DEER CREEK FOREBAY	4455	4.90	3.33	4.60	0.45	59.33	16.44	28	64.15
SIERRA CITY	4150	4.17	5.02	3.55	0.44	57.33	15.72	27	62.91
DOWNIEVILLE RS	2895	3.96	3.95	3.41	0.55	57.17	15.12	26	61.99
CAMPTONVILLE RS	2755	4.29	4.38	2.87	1.79	55.23	17.62	32	59.25
GRASS VALLEY	2400	3.75	3.97	2.82	0.33	51.50	13.57	26	54.85
NEVADA CITY	2600	4.35	4.01	2.83	0.38	50.92	14.55	29	54.23
CHALLENGE R. S.	2560	4.59	4.84	3.71	0.77	62.69	18.08	29	66.62
COLGATE PH	585	2.86	3.06	1.94	0.66	37.73	10.57	28	40.23
NORTH SAN JUAN	2081	4.15	4.36	2.33	1.19	45.21	14.51	32	48.40

TABLE 3 PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND PRECIPITATION STATION	ELEV IN FEET	PRECIPITATION (1) MONTHLY TOTALS JAN 1977	FEB 1977	MAR 1977	APR 1977	OCT 1, 1976 - APR 30, 1977 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
CENTRAL VALLEY AREA (CONTINUED)									
AMERICAN RIVER									
TWIN LAKES	7829	3.14	3.72	3.71	0.47	43.43	14.25	33	48.90
BLUE CANYON NWS AP	5280	4.38	4.44	3.55	1.04	58.33	16.94	29	63.12
SLY PARK	3530	3.60	2.99	2.79	0.68	46.32	12.86	28	49.68
PACIFIC HOUSE	3440	3.13	3.55	3.36	0.54	47.36	13.71	29	50.92
GEORGETOWN RS	3001	3.78	3.51	3.58	0.18	50.53	14.36	28	53.97
COLFAX	2418	4.18	3.01	2.06	0.18	44.92	12.37	28	47.95
PLACERVILLE	1890	2.90	2.05	1.73	0.16	36.72	8.75	24	39.25
AUBURN	1297	2.25	2.07	2.08	0.07	33.15	8.66	26	35.16
FOLSOM DAM	350	1.39	1.12	1.21	0.07	22.33	4.85	22	23.69
MOKELUMNE RIVER									
SALT SPRINGS PH	3700	3.30	3.55	2.28	0.70	40.51	12.96	32	44.48
WEST POINT 3 SW	2365	2.25	2.12	1.28	0.53	34.64	8.82	25	37.06
TIGER CREEK PH	2355	3.17	2.54	1.88	0.88	42.91	11.51	27	46.06
FIDDLETOWN LYNCH RANCH	2140	2.17	2.34	2.19	0.10	33.14	8.94	27	35.29
ELECTRA PH	715	1.78	1.83	1.52	0.27	28.12	7.33	26	29.99
STANISLAUS RIVER									
PINECREST STRAWBERRY	5620	3.30	3.12	2.42	0.29	38.68	11.57	30	42.37
SPRING GAP FOREBAY	4875	2.66	3.03	2.04	0.0	38.50	10.39	27	41.50
CALAVERAS BIG TREES	4696	4.25	3.58	2.60	0.49	50.53	14.30	28	53.95
TUOLUMNE RIVER									
CHERRY VALLEY DAM	4765	3.22	3.40	3.43	0.13	47.73	12.72	27	51.42
HETCH HETCHY	3870	2.24	2.56	1.49	0.29	31.44	9.61	31	34.88
SONORA RS	1749	2.34	1.91	1.83	0.33	30.13	9.93	33	31.90
MERCED RIVER									
YOSEMITE NP	3985	2.00	1.87	1.85	0.18	33.84	7.75	23	36.87
DUDLEYS	3000	2.50 e	1.44	1.93	0.0	35.94	11.63 e	33	37.91
MARIPOSA	2011	1.84	1.29	1.33	0.0	28.22	7.15	25	29.72
EXCHEQUER RESERVOIR	484	1.17	1.05	1.59	0.65	17.96	6.98	39	18.90
UPPER SAN JOAQUIN RIVER									
FLORENCE LAKE	7345	0.60	1.50	0.70	0.20	20.45	5.00	24	24.12
HUNTINGTON LAKE	7020	3.00	2.70	3.50	0.30	30.71	11.90	39	33.87
CRANE VALLEY PH	3440	3.09	1.34	1.73	0.19	37.76	8.29	22	40.03
NORTH FORK RS	2630	2.37	1.40	1.56	0.03	31.46	7.48	24	33.45
KINGS RIVER									
GRANT GROVE	6580	2.83	1.69	1.92	0.02	41.91	9.25	22	43.81
BALCH PH	1720	1.92	1.29	1.42	0.07	26.99	7.65	28	28.65
PINE FLAT DAM	615	1.46	0.47	0.74	0.03	18.21	5.43	30	19.12
KAWEAH RIVER									
LODGEPOLE	6735	2.55	2.43	1.66	0.34	41.42	9.49	23	44.24
ASH MOUNTAIN	1708	1.44	0.68	0.92	0.0	24.62	5.11	21	26.28
THREE RIVERS P.H. NO. 1	1140	1.21	0.40	0.65	0.03	20.33	4.02	20	21.77
TULE RIVER									
TULE RIVER INTAKE	2450	1.86	1.12	1.17	0.14	26.71	5.83	22	27.51
KERN RIVER									
KERN RIVER INTAKE NO 3	3650	2.14	1.29	0.33	0.0	16.78	4.17	25	17.76
GLENNVILLE	3140	1.41	0.89	0.92	0.11	16.92	5.61	33	18.21
KERN RIVER PH NO 3	2703	1.57	1.82	0.49	0.0	10.86	4.41	41	11.65
WOFFORD HEIGHTS	2700	1.21	1.12	0.50	0.02	9.98	3.22	32	10.57
LAHONTAN AREA									
SURPRISE VALLEY									
CEDARVILLE	4670	1.08	0.34	0.88	0.21	10.06	3.82	38	12.97
FORT BIDWELL	4498	1.10	0.99	0.83	0.22	12.06	3.71	31	15.18
MADELINE PLAINS-HONEY LAKE									
RAVENDALE 5ESE	5350	0.64	0.41	0.32	0.06	6.41	2.22	35	8.76
SUSANVILLE 1WNW	4555	1.17	0.99	0.88	0.35	13.93	3.96	28	15.96
DOYLE	4240	0.84	1.00	0.45	0.07	8.62	2.57	30	10.54
SUSANVILLE AP	4148	1.25	1.37	0.60	0.07	12.70	3.72	29	14.87
WENDEL 1E	4040	0.67	0.58	0.20	0.0	6.31	2.08	33	8.02
TRUCKEE AND TAHOE BASIN									
TAHOE CITY	6230	1.07	2.96	0.76	0.08	28.77	6.94	24	31.70
TRUCKEE RS	5995	2.32	3.21	1.92	0.15	28.66	10.35	36	31.81
CARSON RIVER									
WOODFORDS	5671	1.47	4.10	1.11	0.04	17.81	7.74	43	21.67
WALKER RIVER									
BRIDGEPORT	6470	0.44	0.80	0.34	0.0	7.22	1.72	24	9.28
MONO BASIN									
ELLERY LAKE	9600	2.04	1.50	0.95	0.10	20.65	5.60	27	24.36
GEM LAKE	8970	1.68	1.32	0.92	0.28	17.76	4.98	28	20.86
MONO LAKE	6450	0.81	1.21	0.66	0.07	13.88	2.89	21	16.09

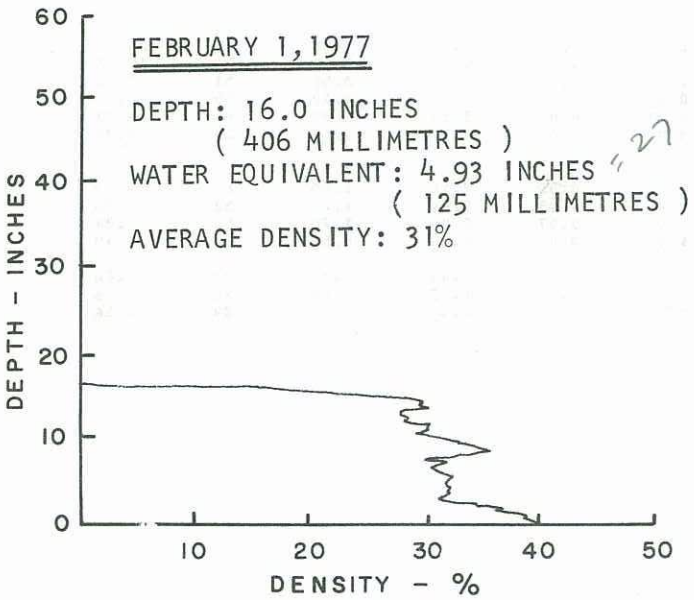
TABLE 3 PRECIPITATION DATA (CONTINUED)

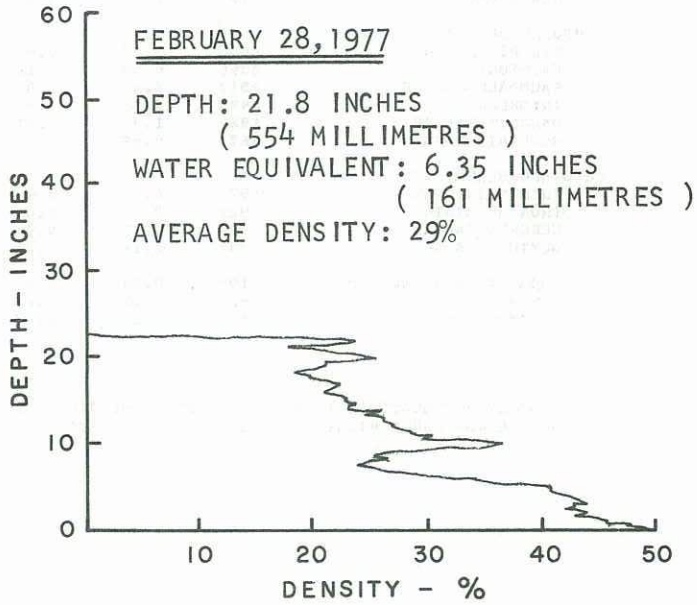
AREA, DRAINAGE BASIN, AND PRECIPITATION STATION	ELEV IN FEET	PRECIPITATION (1) MONTHLY TOTALS JAN 1977	FEB 1977	MAR 1977	APR 1977	AVERAGE	OCT 1, 1976 - APR 30, 1977 TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
LAHONTAN AREA (CONTINUED)									
OWENS RIVER									
WHITE MOUNTAIN NO 2	1247	0.04	0.43	0.43	0.55	12.66	1.55	12	15.87
SOUTH LAKE	9580	1.24	1.46	1.56	0.28	15.01	4.88	33	18.06
LAKE SABRINA	9065	1.42	0.84	1.25	0.20	13.85	4.39	32	16.75
CROOKED CREEK	6700	0.84	0.40	0.19	0.0	8.54	1.51	18	10.09
BIG PINES PH NO 3	4680	0.98	1.26	0.20	0.02	7.85	2.47	31	8.72
BISHOP NWS AP	4108	0.77	0.22	0.04	0.02	4.87	1.07	22	5.68
INDEPENDENCE	3950	0.48	0.34	0.06	0.0	4.50	0.90	20	5.17
LA AQUEDUCT AT INTAKE	3841	0.33	0.45	0.0	0.0	4.86	0.80	16	5.53
HAIWEE	3825	1.15	0.13	0.25	0.0	5.27	1.68	32	6.20
COTTONWOOD GATES	3710	0.84	0.22	0.04	0.0	5.49	1.29	23	6.35
DEATH VALLEY									
DEATH VALLEY	-194	0.16	0.0	0.08	0.0	1.38	0.71	51	1.85
MOJAVE DESERT									
BIG PINES PARK	6860	5.57	0.46	2.88	0.0	23.15	10.48	45	24.99
FAIRMONT	3060	6.58	0.10	1.91	0.0	14.28	9.04	63	14.95
PALMDALE FAA AP	2517	2.60	0.0	0.78	0.0	7.00	3.58	51	7.56
INYOKERN	2440	1.33	0.0	0.85	0.0	3.16	2.18	69	4.05
DAGGETT FAA AP	1922	1.32	0.01	0.07	0.0	3.13	1.41	45	4.11
MOUNTAIN PASS	4670	0.59	0.0	0.72	0.0	7.36	1.65	22	9.79
COLORADO DESERT AREA									
TWENTYNINE PALMS	1975	0.78	0.0	0.14	0.05	2.18	1.35	62	3.73
IRON MOUNTAIN	922	0.55	0.0	0.30	0.05	2.00	1.05	52	2.98
NEEDLES FAA AP	913	0.25	0.0	0.26	0.07	2.86	1.70	59	4.24
BLYTHE FAA AP	390	0.16	0.01	0.12	0.0	2.27	0.52	23	3.49
YUMA, ARIZONA NWS AP	199	0.03	0.01	0.04	0.0	1.40	1.11	79	2.26
IMPERIAL	-64	0.05	0.02	0.04	0.0	1.83	0.84	46	2.58
THERMAL A P	-120	0.30	0.07	0.01	0.0	2.46	0.83	34	3.16

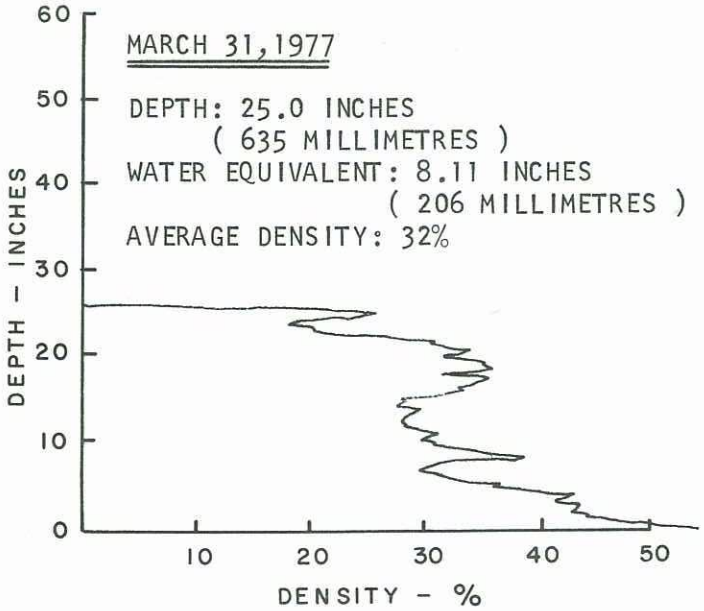
(1) MONTHLY AND SEASONAL TOTALS IN INCHES. AVERAGES ARE BASED ON THE 45-YEAR PERIOD, 1930-31 THROUGH 1974-75.

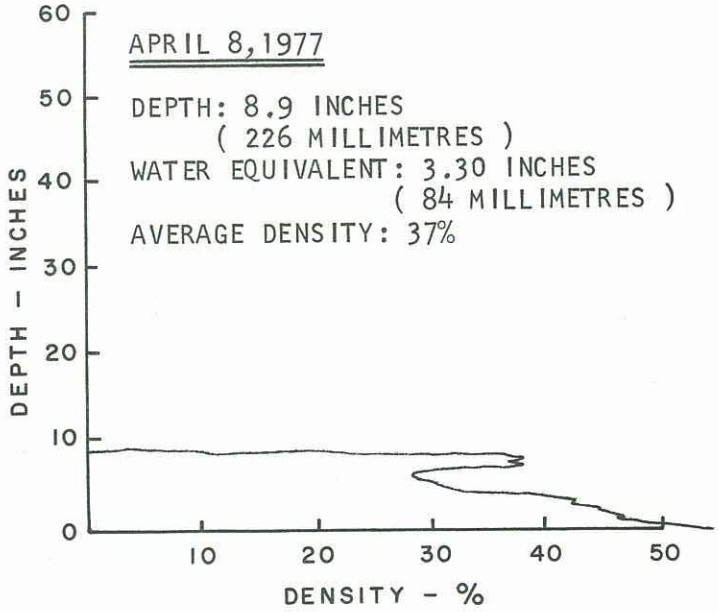
Snow Density Profiles

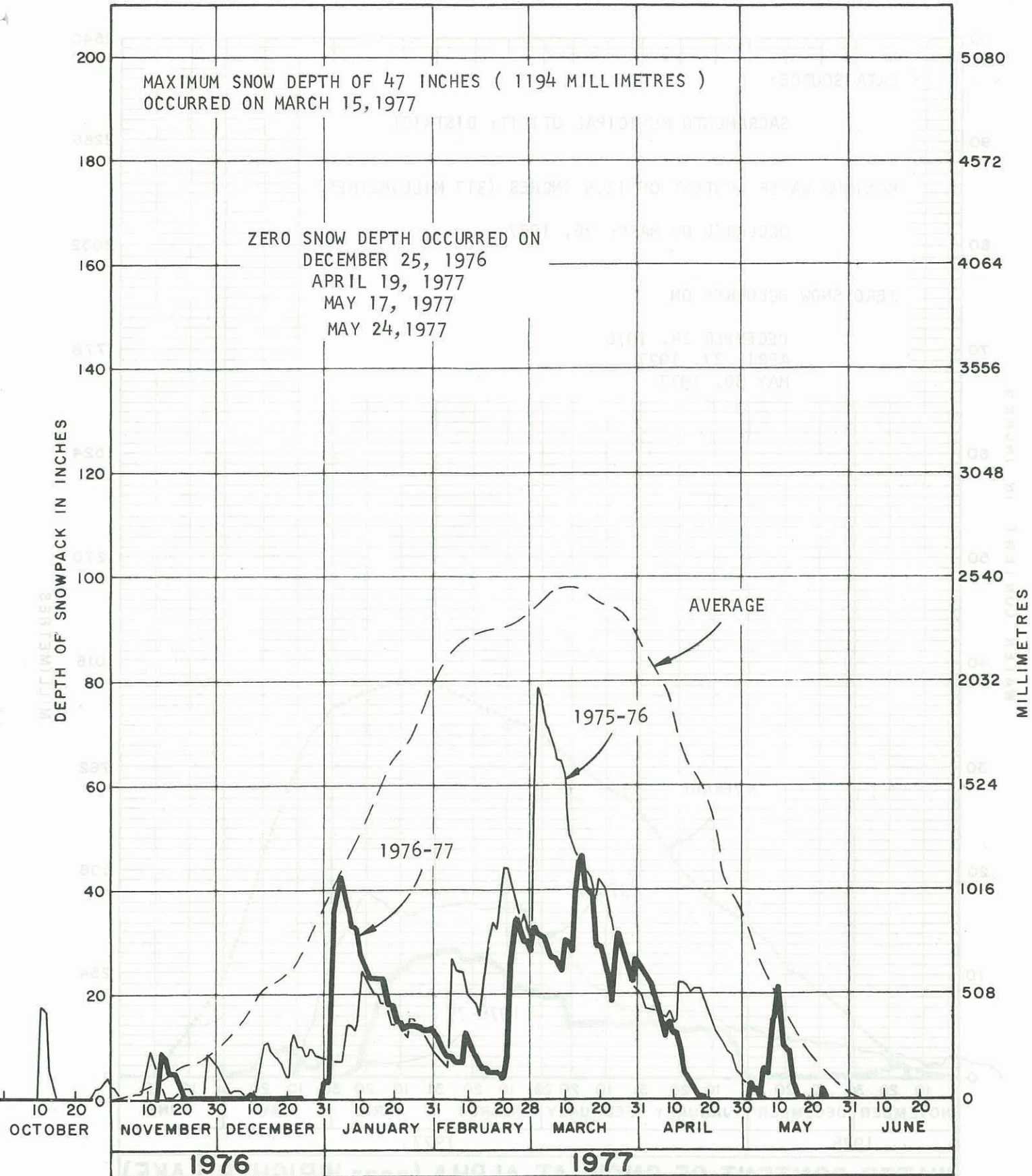
DENSITY OBTAINED IN ONE-HALF-INCH INCREMENTS WITH THE PROFILING SNOW GAGE AT THE PACIFIC SOUTHWEST FOREST AND RANGE EXPERIMENT STATION, CENTRAL SIERRA SNOW LAB., SODA SPRINGS, CALIF., ELEV. 6,900' (2 103 METRES)



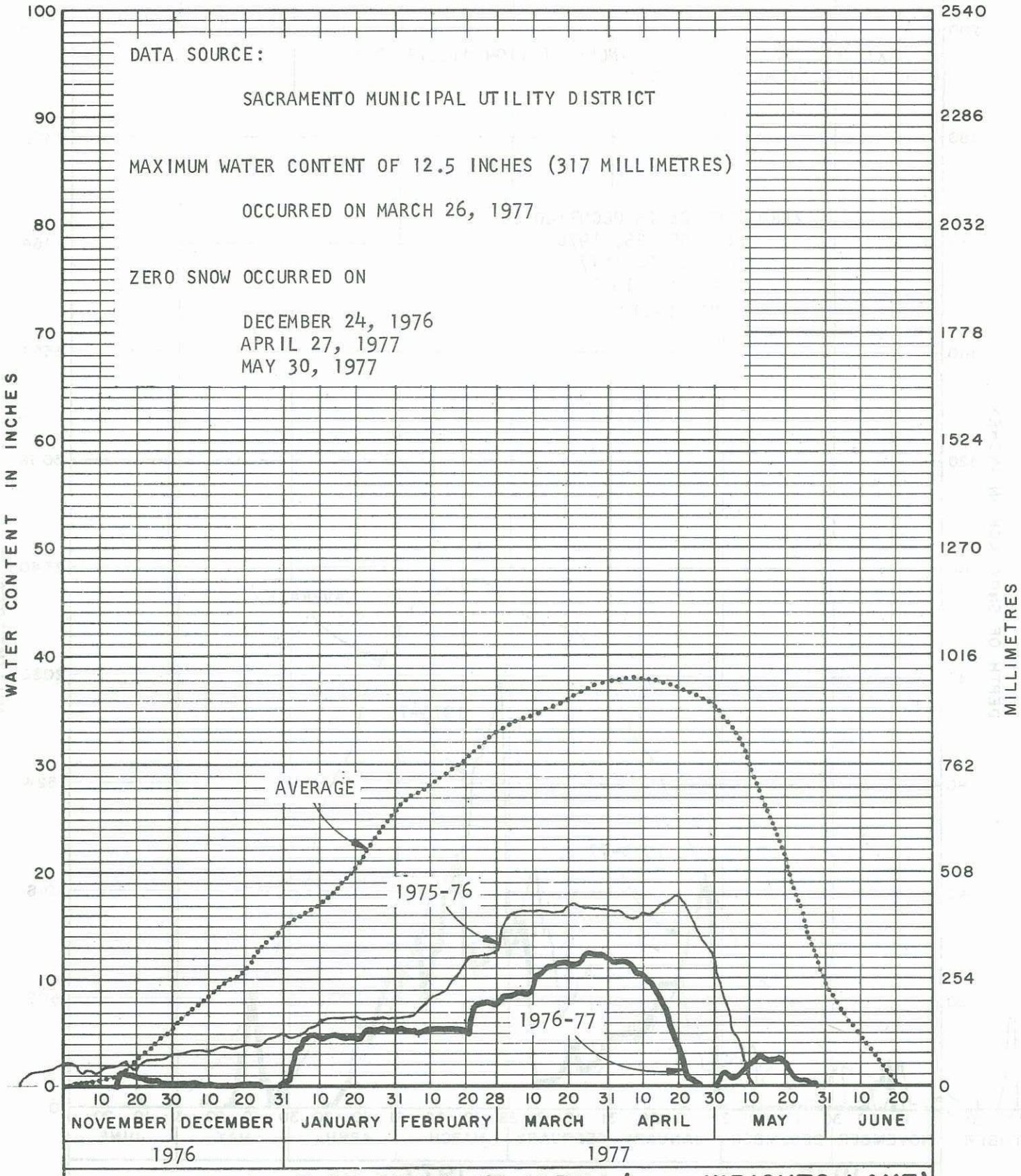








DEPTH OF SNOW AT NORDEN
ELEVATION 7,000 FEET (2 134 METRES)



WATER CONTENT OF SNOW AT ALPHA (near WRIGHTS LAKE)
ELEVATION 7,600 FEET (2 316 METRES)
AMERICAN RIVER BASIN

TABLE 4
STORAGE IN MAJOR RESERVOIRS

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) ACRE-FEET	STORAGE AS OF MAY 1 (ACRE-FEET) 10-YEAR AVERAGE 1967-1976	1976	1977	PERCENT OF AVERAGE
NORTH COASTAL AREA							
KLAMATH RIVER	UPPER KLAMATH(2)	US BUREAU RECLAMATION	584,000	466,600	467,800	454,300	97
KLAMATH RIVER	CLEAR LAKE(2)	US BUREAU RECLAMATION	527,000	348,800	313,400	210,200	60
KLAMATH RIVER	GERBER(2)	US BUREAU RECLAMATION	94,300	82,800	75,300	32,900	40
KLAMATH RIVER	COPCO	PAC POWER AND LIGHT CO	77,000	40,300	14,000	44,200	110
KLAMATH RIVER	IRON GATE	PAC POWER AND LIGHT CO	58,000	54,600	19,500	57,500	105
SHASTA RIVER	DWINNELL	MONTAGUE WATER CD	72,000	41,400	31,000	10,800	26
TRINITY RIVER	CLAIR ENGLE	US BUREAU RECLAMATION	2,448,000	2,211,000	1,955,900	1,034,800	47
TRINITY RIVER	LEWISTON	US BUREAU RECLAMATION	14,600	13,300	13,600	13,900	105
MAD RIVER	RUTH	HUMBOLDT BAY MWD	51,800	51,900	52,300	26,300	51
EEL RIVER	LAKE PILLSBURY	PAC GAS AND ELEC CO	93,700	82,000	78,700	22,500	27
RUSSIAN RIVER	LAKE MENDOCINO	US CORPS OF ENGINEERS	122,500	85,100	84,900	52,300	61
SAN FRANCISCO BAY AREA							
NORTH BAY							
CONN CREEK	LAKE HENNESSY	CITY OF NAPA	30,000	29,500	24,000	16,400	56
NICASIO CREEK	NICASIO	MARIN MUNICIPAL WD	22,500	19,400	4,200	300	2
LAGUNITAS CREEK	KENT	MARIN MUNICIPAL WD	16,500	15,800	11,600	800	5
LAGUNITAS CREEK	ALPINE	MARIN MUNICIPAL WD	9,200	8,000	6,300	6,500	81
EAST BAY							
SAN PABLO CREEK	SAN PABLO(3)	EAST BAY MUNICIPAL WD	43,200	32,200	24,700	25,800	80
BEAR CREEK	BRIONES(3)	EAST BAY MUNICIPAL WD	67,500	51,800	59,800	59,100	114
SAN LEANDRO CREEK	UPPER SAN LEANDRO(3)	EAST BAY MUNICIPAL WD	41,400	31,500	17,400	18,300	58
SAN LEANDRO CREEK	CHABOT(3)	EAST BAY MUNICIPAL WD	12,600	10,300	9,900	9,800	95
ARROYO VALLE	DEL VALLE(3)	CALIF DEPT WATER RES	77,100	37,800(6)	33,900	36,400	96
SAN ANTONIO CREEK	SAN ANTONIO	CITY-CO SAN FRANCISCO	50,500	34,800	27,000	20,000	57
CALAVERAS CREEK	CALAVERAS(3)	CITY-CO SAN FRANCISCO	100,000	74,400	46,600	29,900	40
PENINSULA							
SAN ANDREAS CREEK	SAN ANDREAS	CITY-CO SAN FRANCISCO	18,500	16,200	12,200	17,500	108
SAN MATEO CREEK	CRYSTAL SPRINGS(3)	CITY-CO SAN FRANCISCO	54,000	51,200	34,800	44,700	87
SOUTH BAY							
LOS GATOS CREEK	LEXINGTON	SANTA CLARA VALLEY WD	21,400	13,700	1,600	500	4
LOS GATOS CREEK	AUSTRIAN	SAN JOSE WATER WORKS	6,200	5,100	400	900	18
CALERO CREEK	CALERO	SANTA CLARA VALLEY WD	9,300	7,500	4,100	900	12
COYOTE CREEK	LEROY ANDERSON	SANTA CLARA VALLEY WD	91,300	72,200	59,000	26,400	37
COYOTE CREEK	COYOTE	SANTA CLARA VALLEY WD	24,500	19,300	12,300	10	0
CENTRAL COASTAL AREA							
LLAGAS CREEK	CHESBRO	SO SANTA CLARA CO WCD	7,500	6,200	1,900	0	0
UVAS CREEK	UVAS	SO SANTA CLARA CO WCD	10,000	7,900	1,000	100	1
SAN ANTONIO RIVER	SAN ANTONIO	MONTEREY COUNTY FCWCD	348,000	242,300	278,300	183,200	76
NACIMIENTO RIVER	NACIMIENTO	MONTEREY COUNTY FCWCD	350,000	225,100	179,900	43,900	20
OLD CREEK	WHALE ROCK	CALIF DEPT OF FINANCE	40,000	34,100	38,000	31,200	91
SALINAS RIVER	SALINAS	US CORPS OF ENGINEERS	26,000	23,600	16,500	11,000	47
ARROYO GRANDE CREEK	LOPEZ	SAN LUIS OBISPO CO FCWCD	51,000	49,900(6)	45,900	38,700	78
SANTA YNEZ RIVER	CACHUMA	US BUREAU RECLAMATION	204,900	191,400	170,500	131,300	69
SANTA YNEZ RIVER	GIBRALTAR	CITY OF SANTA BARBARA	10,000	10,300	8,500	5,000	49
SOUTH COASTAL AREA							
VENTURA-SANTA CLARA R.							
MATILIJA CREEK	MATILIJA	VENTURA CO FLOOD CD	3,900	1,400	600	600	43
COYOTE CREEK	CASITAS	US BUREAU RECLAMATION	451,000	202,900	216,500	195,200	96
PIRU CREEK	LAKE PIRU	UNITED WATER CON DIST	100,000	50,400	16,100	12,300	24
PIRU CREEK	PYRAMID(3)	CALIF DEPT WATER RES	179,000	167,000(6)	166,600	166,100	99
CASTAIC CREEK	CASTAIC(3)	CALIF DEPT WATER RES	350,000	243,000(6)	283,300	93,700	39
SAN GABRIEL-SANTA ANA RIVERS							
SAN GABRIEL RIVER	COGSWELL	LOS ANGELES CO FCD	10,400	5,500	4,300	2,500	45
SAN GABRIEL RIVER	SAN GABRIEL	LOS ANGELES CO FCD	44,600	6,900	11,000	5,600	81
WALNUT CREEK	PUDDINGSTONE	LOS ANGELES CO FCD	17,200	6,200	5,900	6,800	110
BEAR CREEK	BEAR VALLEY	BEAR VALLEY MUTUAL WD	72,400	57,600	45,300	36,800	64
---	PERRIS(3)	CALIF DEPT WATER RES	125,000	97,200(6)	93,000	82,200	85
TRIB CAJALCO CREEK	LAKE MATHEWS(4)	METROPOLITAN WATER DIST	182,000	160,600	83,000	101,200	63
SANTIAGO CREEK	SANTIAGO(3)	SERRANO AND CARPENTER ID AND IRVINE COMPANY	25,000	15,200	7,200	14,500	95
SAN JACINTO RIVER	RAILROAD CANYON(3)	TEMESCAL WATER COMPANY	12,000	8,700	8,000	7,100	82
SAN JACINTO RIVER	LAKE ELSINORE	CALIF DEPT PARKS AND REC	125,000	20,300	11,700	5,600	28
SAN JACINTO RIVER	LAKE HEMET	LAKE HEMET MUNICIPAL WD	14,000	8,600	5,500	6,000	70
SANTA MARGARITA-SAN LUIS REY RIVERS							
TUCALOTA CREEK	LAKE SKINNER(4)	METROPOLITAN WATER DIST	43,800	32,000(6)	41,200	20,000	63
TEMECULA CREEK	VAIL	RANCHO CALIFORNIA	51,000	22,700	18,900	17,300	76
SAN LUIS REY RIVER	HENSHAW	VISTA IRRIGATION DIST	203,600	15,200	5,200	3,200	21

TABLE 4 STORAGE IN MAJOR RESERVOIRS (CONTINUED)

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) ACRE-FEET	STORAGE AS OF MAY 1 (ACRE-FEET) 10-YEAR AVERAGE 1967-1976	1976	1977	PERCENT OF AVERAGE
SOUTH COASTAL AREA (CONTINUED)							
SAN DIEGUITO-SAN DIEGO RIVERS							
SANTA YSABEL CREEK	SUTHERLAND	CITY OF SAN DIEGO	29,000	4,700	4,100	2,700	57
SAN DIEGUITO RIVER	LAKE HODGES(3)	CITY OF SAN DIEGO	33,600	5,500	4,700	5,100	93
BIG SURR CREEK	MIRAMAR(3)	CITY OF SAN DIEGO	7,300	6,200	6,400	6,200	100
SAN VICENTE CREEK	SAN VICENTE(3)	CITY OF SAN DIEGO	90,200	73,600	73,500	66,300	90
SAN DIEGO RIVER	EL CAPITAN(3)	CITY OF SAN DIEGO	116,500	29,900	11,900	22,500	75
CHAPPARAL CANYON	MURRAY(3)	CITY OF SAN DIEGO	6,100	4,000	4,200	4,600	115
QUAIL CANYON CREEK	LAKE JENNINGS(3)	HELIX WATER DISTRICT	10,500	7,800	7,900	8,000	103
BOULDER CREEK	CUYAMACA	HELIX WATER DISTRICT	11,600	2,400	1,600	900	38
SWEETWATER-OTAY RIVERS-COTTONWOOD CREEK							
SWEETWATER RIVER	LAKE LOVELAND	CALIF-AMER WATER CO	27,700	13,300	17,200	16,900	127
SWEETWATER RIVER	SWEETWATER(3)	CALIF-AMER WATER CO	27,700	3,700	5,700	6,400	173
COTTONWOOD CREEK	MORENA	CITY OF SAN DIEGO	50,200	3,300	2,700	2,200	67
COTTONWOOD CREEK	BARRETT	CITY OF SAN DIEGO	44,900	3,300	800	1,000	30
OTAY RIVER	LOWER OTAY(3)	CITY OF SAN DIEGO	56,300	11,600	10,000	10,100	87
CENTRAL VALLEY AREA							
MCCLOUD RIVER	MCCLOUD	PAC GAS AND ELEC CO	35,300	29,200	28,400	22,400	77
TRIBUTE PIT RIVER	IRON CANYON	PAC GAS AND ELEC CO	24,300	5,500	14,600	15,600	284
PIT RIVER	LAKE BRITTON	PAC GAS AND ELEC CO	40,600	8,500	13,800	35,500	418
PIT RIVER	PIT NO 6	PAC GAS AND ELEC CO	15,700	14,800	15,500	15,000	101
PIT RIVER	PIT NO 7	PAC GAS AND ELEC CO	34,000	33,400	34,000	33,600	101
SACRAMENTO RIVER	SHASTA	US BUREAU RECLAMATION	4,500,000	4,199,300	3,013,700	1,214,100	29
SACRAMENTO RIVER	KESWICK	US BUREAU RECLAMATION	23,800	22,700	22,900	21,500	95
CLEAR CREEK	WHISKEYTOWN	US BUREAU RECLAMATION	241,000	227,800	238,200	235,900	104
N FK FEATHER RIVER	LAKE ALMANOR	PAC GAS AND ELEC CO	1,308,000	824,500	581,700	643,100	78
N FK FEATHER RIVER	MOUNTAIN MEADOWS	PAC GAS AND ELEC CO	24,800	19,300	5,500	2,400	12
BUTT CREEK	BUTT VALLEY	PAC GAS AND ELEC CO	49,800	44,400	45,000	47,200	106
BUCKS CREEK	BUCKS LAKE	PAC GAS AND ELEC CO	103,000	64,600	47,400	47,700	74
INDIAN CREEK	ANTELOPE	CALIF DEPT WATER RES	21,600	23,100	23,000	3,500	15
LTL LAST CHANCE CR	FRENCHMAN	CALIF DEPT WATER RES	51,000	51,100	26,200	14,900	29
BIG GRIZZLY CREEK	LAKE DAVIS	CALIF DEPT WATER RES	83,000	78,200(6)	71,500	58,700	75
S FK FEATHER RIVER	LITTLE GRASS VALLEY	OROVILLE-WYANDOTTE ID	93,000	73,100	58,200	47,200	65
LOST CREEK	SLY CREEK	OROVILLE-WYANDOTTE ID	65,100	46,700	32,800	11,200	24
FEATHER RIVER	OROVILLE	CALIF DEPT WATER RES	3,484,000	2,980,600(6)	2,751,500	1,406,800	47
FEATHER RIVER	THERMALITO SYSTEM	CALIF DEPT WATER RES	82,300	51,300(6)	61,200	53,400	104
NORTH YUBA RIVER	NEW BULLARDS BAR	YUBA CO WATER AGENCY	969,600	645,200(6)	388,200	289,200	45
MIDDLE YUBA RIVER	JACKSON MEADOWS	NEVADA IRRIG DISTRICT	68,500	43,400	27,900	6,700	15
SOUTH YUBA RIVER	SPAULDING SYSTEM	PAC GAS AND ELEC CO	137,400	59,200	51,400	45,100	76
CANYON CREEK	FRENCH LAKE	NEVADA IRRIG DISTRICT	12,500	11,200	9,100	1,300	12
CANYON CREEK	BOWMAN	NEVADA IRRIG DISTRICT	68,000	41,900	43,600	25,300	60
YUBA RIVER	ENGLEBRIGHT	US CORPS OF ENGINEERS	70,000	62,900	67,000	67,000	107
DEER CREEK	SCOTTS FLAT	NEVADA IRRIG DISTRICT	49,000	47,800	43,500	18,100	38
BEAR RIVER	ROLLINS	NEVADA IRRIG DISTRICT	66,000	64,900	57,000	12,700	20
BEAR RIVER	CAMP FAR WEST	SO SUTTER WATER DIST	103,000	103,600	95,400	11,200	11
M FK AMERICAN RIVER	FRENCH MEADOWS	PLACER CO WATER AGENCY	133,700	78,300	49,400	46,300	59
RUBICON RIVER	HELL HOLE	PLACER CO WATER AGENCY	208,400	121,500	112,500	87,200	72
GERLE CREEK	LOON LAKE	SACRAMENTO MUN UD	76,500	29,000	33,900	18,000	62
SILVER CREEK	UNION VALLEY	SACRAMENTO MUN UD	271,000	180,800	131,800	39,800	22
S FK SILVER CREEK	ICE HOUSE	SACRAMENTO MUN UD	46,000	27,100	20,300	9,300	34
CAPLES CREEK	CAPLES LAKE	PAC GAS AND ELEC CO	21,600	8,800	12,700	7,500	85
S FK AMERICAN RIVER	SLAB CREEK	SACRAMENTO MUN UD	16,600	13,300(6)	15,600	15,600	117
AMERICAN RIVER	FOLSOM	US BUREAU RECLAMATION	1,010,000	720,600	636,000	297,900	41
AMERICAN RIVER	LAKE NATOMA	US BUREAU RECLAMATION	8,800	8,100	8,500	7,900	98
STONY CREEK	EAST PARK	US BUREAU RECLAMATION	51,000	45,300	2,100	300	1
STONY CREEK	STONY GORGE	US BUREAU RECLAMATION	50,100	45,500	24,100	6,200	14
STONY CREEK	BLACK BUTTE	US CORPS OF ENGINEERS	160,000	103,800	56,900	18,600	18
CACHE CREEK	CLEAR LAKE	YOLO COUNTY FCWCD	420,000	270,500	89,800	10	0
PUTAH CREEK	LAKE BERRYESSA	US BUREAU RECLAMATION	1,600,000	1,550,200	1,277,800	943,700	61
SLY PARK CREEK	JENKINSON LAKE	US BUREAU RECLAMATION	41,000	39,700	27,200	8,700	22
BEAR RIVER	LOWER BEAR	PAC GAS AND ELEC CO	48,500	19,600	15,200	11,100	57
N FK MOKELUMNE RIVER	SALT SPRINGS	PAC GAS AND ELEC CO	139,400	48,800	24,600	11,800	24
MOKELUMNE RIVER	PARDEE	EAST BAY MUN UD	210,000	186,900	165,400	53,000	28
MOKELUMNE RIVER	CAMANCHE	EAST BAY MUN UD	431,500	304,900	275,200	131,500	43
CALAVERAS RIVER	NEW HOGAN	US CORPS OF ENGINEERS	325,000	194,400	129,100	47,800	25

TABLE 4 STORAGE IN MAJOR RESERVOIRS (CONTINUED)

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) ACRE-FEET	STORAGE AS OF MAY 1 (ACRE-FEET) 10-YEAR AVERAGE 1967-1976	1976	1977	PERCENT OF AVERAGE
CENTRAL VALLEY AREA (CONTINUED)							
RELIEF CREEK	RELIEF	PAC GAS AND ELEC CO	15,100	6,100	4,800	2,900	48
M FK STANISLAUS RIVER	DONNELLS	OAKDALE-S SAN JOAQUIN ID	64,500	18,100	14,900	8,900	49
M FK STANISLAUS RIVER	BEARDSLEY	OAKDALE-S SAN JOAQUIN ID	97,500	63,800	24,300	6,500	10
S FK STANISLAUS RIVER	STRAWBERRY	PAC GAS AND ELEC CO	18,600	12,100	10,300	12,300	102
STANISLAUS RIVER	MELONES	PAC GAS AND ELEC CO	112,500	68,800	55,800	4,600	7
STANISLAUS RIVER	TULLOCH	OAKDALE-S SAN JOAQUIN ID	68,400	53,100	66,700	18,000	34
CHERRY CREEK	CHERRY LAKE	CITY-CO SAN FRANCISCO	268,000	113,700	121,900	92,800	82
ELEANOR CREEK	LAKE ELEANOR	CITY-CO SAN FRANCISCO	27,800	8,800	2,400	1,800	20
TUOLUMNE RIVER	HETCH HETCHY	CITY-CO SAN FRANCISCO	360,000	116,600	122,800	54,900	47
TUOLUMNE RIVER	DON PEDRO	TURLOCK-MODESTO ID	2,030,000	1,008,000(6)	1,164,700	524,400	52
TRIB TUOLUMNE RIVER	MODESTO	MODESTO IRRIG DISTRICT	29,000	18,400	22,800	24,400	133
TRIB TUOLUMNE RIVER	TURLOCK LAKE	TURLOCK IRRIG DISTRICT	49,000	28,600	26,000	22,000	77
MERCED RIVER	LAKE MCCLURE	MERCED IRRIG DISTRICT	1,026,000	678,900	574,700	206,900	30
N FK SAN JOAQUIN RIVER	CRANE VALLEY	PAC GAS AND ELEC CO	45,400	34,200	29,300	21,500	63
SAN JOAQUIN RIVER	MAMMOTH POOL	SO CALIFORNIA EDISON CO	123,000	27,600	18,800	57,100	207
MONO CREEK	THOMAS A EDISON	SO CALIFORNIA EDISON CO	125,000	33,200	30,300	8,100	24
S FK SAN JOAQUIN RIVER	FLORENCE LAKE	SO CALIFORNIA EDISON CO	64,400	800	500	700	88
BIG CREEK	HUNTINGTON LAKE	SO CALIFORNIA EDISON CO	88,800	38,400	45,000	62,100	162
STEVENSON CREEK	SHAVER LAKE	SO CALIFORNIA EDISON CO	135,300	36,200	45,700	30,400	84
SAN JOAQUIN RIVER	REDINGER LAKE	SO CALIFORNIA EDISON CO	35,000	23,900	25,200	19,700	82
SAN JOAQUIN RIVER	MILLERTON LAKE	US BUREAU RECLAMATION	520,500	362,600	381,000	217,500	60
SAN LUIS CREEK	SAN LUIS(3)	US BUREAU REC-CALIF DWR	2,040,500	1,973,100(6)	1,859,700	1,133,000	57
SAN LUIS CREEK	O'NEILL FOREBAY(3)	US BUREAU REC-CALIF DWR	56,500	44,800	47,900	43,800	98
LOS BANOS CREEK	LOS BANOS	US BUREAU REC-CALIF DWR	34,500	19,700	19,000	18,000	91
HELMS CREEK	COURTRIGHT	PAC GAS AND ELEC CO	123,300	47,100	54,400	7,100	15
N FK KINGS RIVER	WISHON	PAC GAS AND ELEC CO	128,000	25,200	26,700	87,500	347
KINGS RIVER	PINE FLAT	US CORPS OF ENGINEERS	1,000,000	661,400	547,000	338,600	51
KAWEAH RIVER	TERMINUS	US CORPS OF ENGINEERS	150,000	54,400	45,200	33,300	61
TULE RIVER	SUCCESS	US CORPS OF ENGINEERS	82,000	44,100	30,200	12,200	28
KERN RIVER	ISABELLA	US CORPS OF ENGINEERS	570,000	204,700	155,900	65,900	32
LAHONTAN AREA							
LITTLE TRUCKEE RIVER	STAMPEDE(2)	US BUREAU RECLAMATION	225,200	141,800(6)	124,200	36,100	25
LITTLE TRUCKEE RIVER	BOCA(2)	US BUREAU RECLAMATION	41,100	29,900	31,800	33,600	112
PROSSER CREEK	PROSSER CREEK(2)	US BUREAU RECLAMATION	29,800	12,200	8,900	3,200	26
TRUCKEE RIVER	LAKE TAHOE(2,7)	US BUREAU RECLAMATION	732,000	575,200	469,700	121,400	21
E WALKER RIVER	BRIDGEPORT(2)	WALKER RIVER IRRIG DIST	42,500	32,800	36,500	12,300	38
LEEVINING CREEK	SADDLEBAG LAKE	SO CALIFORNIA EDISON CO	11,100	2,900	2,600	2,000	69
RUSH CREEK	GRANT LAKE	LOS ANGELES DEPT WP	47,500	25,400	19,000	7,400	29
RUSH CREEK	GEM LAKE	SO CALIFORNIA EDISON CO	17,600	2,700	5,000	5,300	196
OWENS RIVER	LAKE CROWLEY	LOS ANGELES DEPT WP	183,500	136,000	121,400	57,500	42
S FK BISHOP CREEK	SOUTH LAKE	SO CALIFORNIA EDISON CO	13,400	2,200	3,300	3,100	141
OWENS RIVER	TINEMAHA	LOS ANGELES DEPT WP	16,400	3,600	6,000	6,100	169
---	HAIWEE	LOS ANGELES DEPT WP	58,500	42,200	39,600	36,800	87
W FK MOJAVE RIVER	LAKE SILVERWOOD(3)	CALIF DEPT WATER RES	78,000	60,500(6)	65,800	53,900	89
COLORADO DESERT AREA							
COLORADO RIVER	LAKE POWELL(2,7)	US BUREAU RECLAMATION	25,002,000	12,434,200	19,664,000	18,127,000	146
COLORADO RIVER	LAKE MEAD(2,7)	US BUREAU RECLAMATION	26,102,000	17,320,000	20,099,000	20,620,000	119
	LAKE MOHAVE(2,7)	US BUREAU RECLAMATION	1,810,000	1,645,800	1,655,500	1,755,000	107
	LAKE HAVASU(2,7)	US BUREAU RECLAMATION	619,000	595,200	588,900	594,600	100

(1) Total capacity to nearest hundred acre-feet.
(2) Interstate reservoir used jointly by California and adjacent states.
(3) Includes foreign water.
(4) Stores only imported Colorado River water.
(5) New reservoir -- average considered equal to current storage.
(6) Less than 10-year average.
(7) Data based on active or usable capacity tables.

TABLE 5
RUNOFF DATA

AREA, STREAM, AND STATION (1)	MONTHLY TOTALS UNIMPAIRED RUNOFF JAN 1977 1000 AF	FEB 1977 1000 AF	MAR 1977 1000 AF	APR 1977 1000 AF	OCTOBER 1,1976 - APRIL 30,1977 MEASURED FLOW 1000 AF	UNIMPAIRED RUNOFF 50-YEAR AVG (2) 1000 AF	SEASONAL TOTAL 1000 AF	PER-CENT AVG
NORTH COASTAL AREA								
KLAMATH, COPCO TO ORLEANS (6)	69.960	71.360	129.590	145.120	958.300	3264.620	593.090	18
SALMON AT SOMESBAR	13.420	13.880	27.740	45.250	140.920	864.640	140.920	16
TRINITY AT LEWISTON	12.050	14.260	19.200	34.320	72.110	804.669	99.050	12
EEL AT SCOTIA	40.030	56.970	168.380	55.110	328.280	5024.090	327.560	7
RUSSIAN AT HEALDSBURG	8.840	3.300	8.660	0.010	48.980	774.140	47.010	6
SAN FRANCISCO BAY AREA								
NAPA NEAR ST HELENA	0.320	0.210	0.470	0.110	1.260	64.420	1.260	2
COYOTE CREEK NEAR MADRONE	0.010	0.010	0.010	0.010	12.970	43.610	0.010	0
CENTRAL COASTAL AREA								
ARROYO SECO NEAR SOLEDAD	1.440	0.730	1.200	0.460	4.730	100.790	4.730	5
NACIMIENTO BELOW NACIMIENTO DAM, NEAR BRADLEY	3.560	0.200	1.110	0.010	21.150	163.610	7.690	4
SOUTH COASTAL AREA								
SESPE CREEK NEAR FILLMORE	3.220	1.180	1.500	0.940	6.840	70.890	6.840	10
ARROYO SECO NEAR PASADENA	0.550	0.120	0.150	0.080	1.100	5.890	1.100	19
SANTA ANA NEAR MENTONE	2.670	1.690	1.890	1.810	13.460	41.450	12.410	30
SACRAMENTO VALLEY AREA								
INFLOW TO SHASTA (7)	231.790	222.870	245.470	199.980	1596.480	4020.199	1596.480	40
SACRAMENTO ABOVE BEND BRIDGE (8)	316.000	259.710	300.910	257.790	2449.600	6034.148	1989.210	33
FEATHER, INFLOW TO OROVILLE	90.790	90.230	98.380	99.960	667.270	2958.370	594.560	20
YUBA AT SMARTVILLE (5)	31.200	17.670	30.800	58.440	190.380	1531.410	182.430	12
AMERICAN, INFLOW TO FOLSOM	22.220	25.250	42.300	71.410	329.580	1685.470	195.070	12
COSUMNES AT MICHIGAN BAR	2.040	2.490	3.210	2.510	12.100	285.610	11.780	4
MOKELUMNE, INFLOW TO PARDEE	3.590	6.600	9.870	35.260	66.920	360.310	61.160	17
SAN JOAQUIN VALLEY AREA								
STANISLAUS, INFLOW TO MELONES	6.140	7.730	13.690	36.730	3.510	545.570	75.390	14
TUOLUMNE, INFLOW TO DON PEDRO	10.190	16.560	21.950	75.130	237.480	877.670	133.340	15
MERCED, INFLOW TO EXCHEQUER	3.180	4.400	7.010	31.440	80.360	447.050	53.760	12
SAN JOAQUIN, INFLOW TO MILLERTON	12.250	14.920	18.760	56.940	118.770	637.740	140.770	22
KINGS, INFLOW TO PINE FLAT	13.220	14.020	19.010	70.880	172.340	540.040	169.240	31
KAWEAH, INFLOW TO TERMINUS	4.860	4.840	6.790	18.000	48.190	186.740	48.190	26
TULE, INFLOW TO SUCCESS	2.530	1.980	2.270	1.580	12.810	97.140	12.810	13
KERN NEAR BAKERSFIELD	13.460	13.700	14.770	23.390	106.870	282.950	113.040	40
LAHONTAN AREA								
TRUCKEE, TAHOE TO FARAD (6)	4.140	0.010	11.420	18.140	355.510	186.250	42.180	23
WEST FORK CARSON AT WOODFORDS	0.860	0.910	1.090	3.950	9.110	26.610	9.110	34
EAST FORK CARSON NEAR GARDNERVILLE	2.330	3.400	2.110	11.430	28.400	88.670	28.400	32
WEST WALKER BELOW LITTLE WALKER, NEAR COLEVILLE	1.110	1.400	1.960	8.970	19.480	40.130	19.480	49
EAST WALKER NEAR BRIDGEPORT	2.550	3.160	2.390	1.470	9.190	42.550	17.910	42
OWENS BELOW LONG VALLEY DAM	8.090	8.730	6.190	5.360	83.920	74.680	57.530	77
COLORADO DESERT AREA								
COLORADO, INFLOW TO LAKE POWELL	254.000	255.000	200.000	245.000	3369.000	3643.040	2144.000	59

(1) RESERVOIR INFLOW DATA ARE BASED ON OBSERVED FLOWS AT STATIONS DOWNSTREAM FROM LISTED FACILITY.
(2) COMPUTED FOR 50 YEAR PERIOD, 1920-21 THROUGH 1969-70.
(3) INCLUDES FILLMORE IRRIGATION COMPANY CANAL.
(4) INCLUDES SOUTHERN CALIFORNIA EDISON COMPANY CANAL.
(5) INCLUDES DEER CREEK.
(6) ACCRETIONS BETWEEN STATIONS.
(7) COMPUTED FROM OPERATING RECORDS-- UNADJUSTED FOR UPSTREAM REGULATION.
(8) UNIMPAIRED FLOWS COMPATIBLE TO THOSE AT DISCONTINUED STATION NEAR RED BLUFF.

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