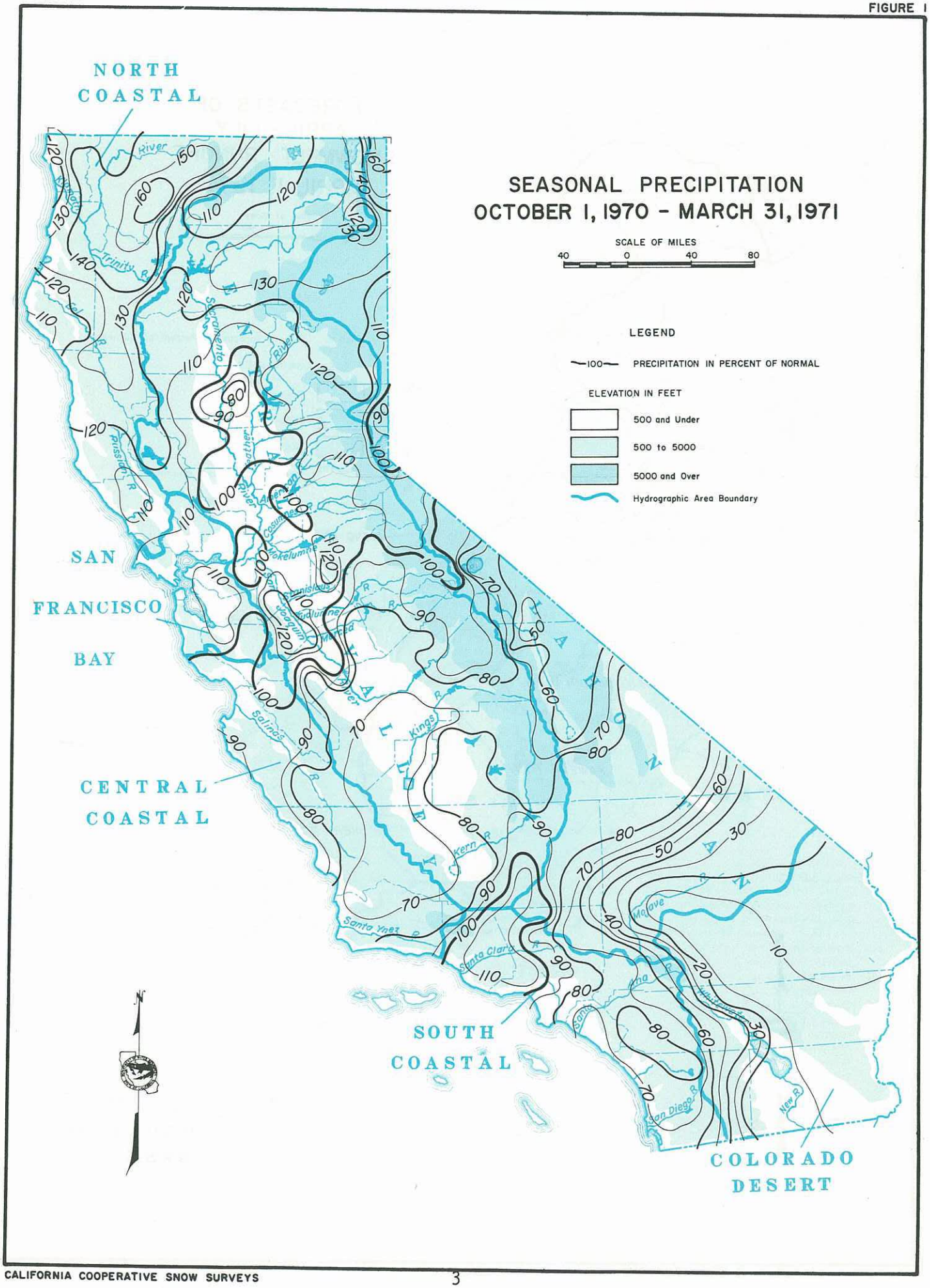
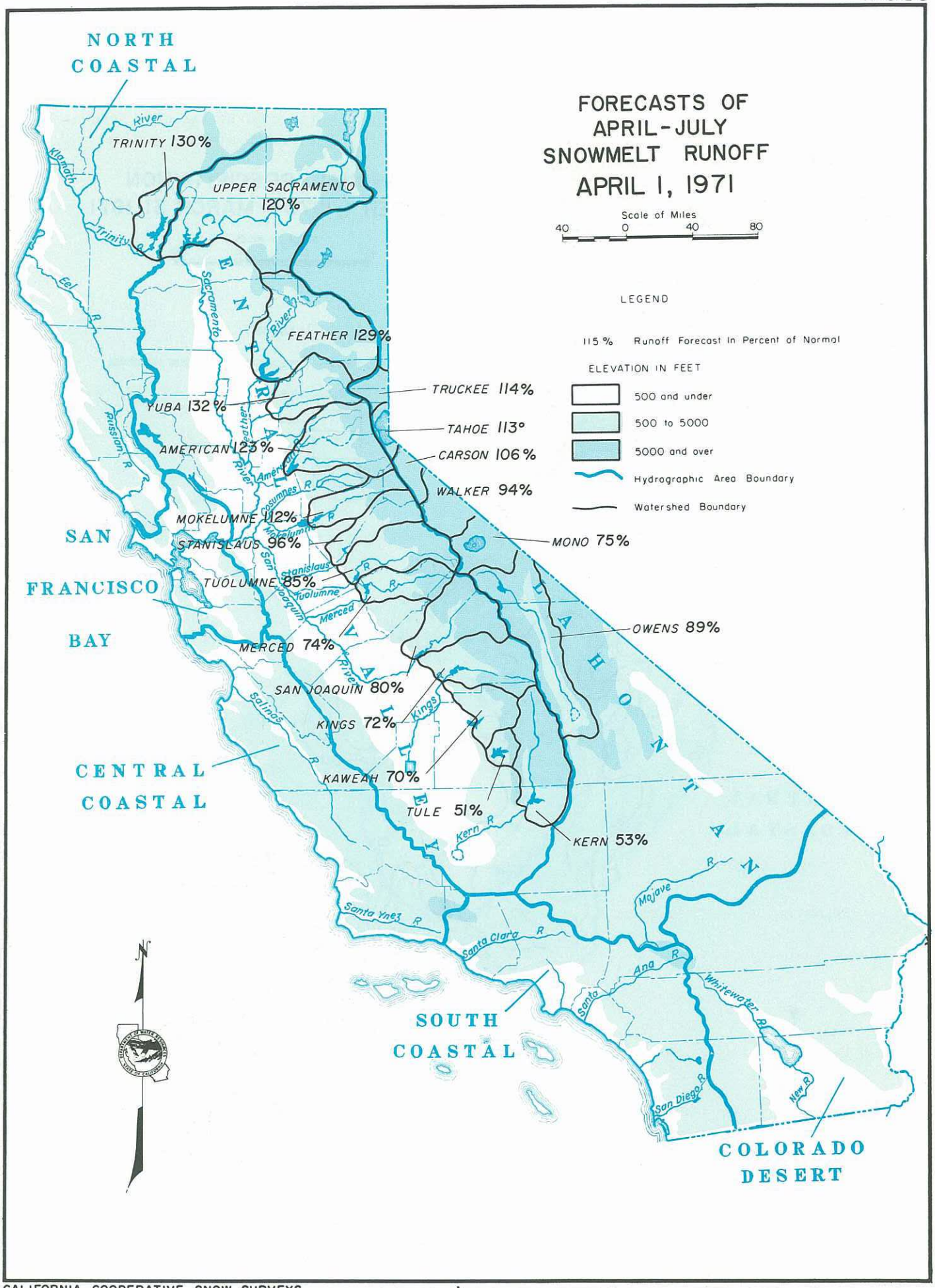

SEASONAL PRECIPITATION
OCTOBER 1, 1970 - MARCH 31, 1971
SCALE OF MILES
40 0 40 80
LEGEND
100 PRECIPITATION IN PERCENT OF NORMAL
ELEVATION IN FEET
500 and Under
500 to 5000
5000 and Over
Hydrographic Area Boundary
NORTH COASTAL
SAN FRANCISCO BAY
CENTRAL COASTAL
SOUTH COASTAL
COLORADO DESERT
Trinity R.
Sacramento River
Feather River
Yuba R.
Pit R.
Pit River
Mokelumne R.
Stanislaus R.
Tuolumne R.
Merced R.
San Joaquin River
Kings R.
Kern R.
Salinas R.
Santa Ynez R.
Santa Clara R.
Santa Ana R.
San Diego R.
Mojave R.
New R.
N


FORECASTS OF
APRIL-JULY
SNOWMELT RUNOFF
APRIL 1, 1971
Scale of Miles
40 0 40 80
LEGEND
115 % Runoff Forecast In Percent of Normal
ELEVATION IN FEET
500 and under
500 to 5000
5000 and over
Hydrographic Area Boundary
Watershed Boundary
NORTH COASTAL
TRINITY 130%
UPPER SACRAMENTO 120%
FEATHER 129%
TRUCKEE 114%
YUBA 132%
TAHOE 113%
AMERICAN 123%
CARSON 106%
WALKER 94%
MOKELUMNE 112%
MONO 75%
STANISLAUS 96%
TUOLUMNE 85%
OWENS 89%
MERCED 74%
SAN JOAQUIN 80%
KINGS 72%
KAWEAH 70%
TULE 51%
KERN 53%
SAN FRANCISCO BAY
CENTRAL COASTAL
SOUTH COASTAL
COLORADO DESERT
CENTRAL VALLEY
LAHONTAN
Klamath River
Trinity R
Eel R
Russian R
Sacramento River
Feather River
American River
Cosumnes R
Mokelumne R
Stanislaus R
San Joaquin River
Tuolumne R
Merced R
Kings R
Kern R
Salinas R
Santa Ynez R
Santa Clara R
Santa Ana R
Mojave R
Whitewater R
San Diego R
New R
N

SUMMARY OF WATER CONDITIONS

APRIL 1, 1971

THE PATTERN OF CALIFORNIA'S PROSPECTIVE WATER SUPPLIES DURING 1971 RANGES FROM ABOVE NORMAL IN THE NORTHERN PORTION OF THE STATE TO WELL BELOW NORMAL IN THE SOUTHERN SAN JOAQUIN VALLEY. APRIL 1 SNOW SURVEYS SHOW THAT ABOVE AVERAGE WATER CONTENT HAS BEEN ACCUMULATED IN ALL SNOW ZONES EXCEPT IN THE HEADWATER AREAS OF SOUTHERN SIERRA STREAMS SERVING THE OWENS VALLEY, SAN JOAQUIN VALLEY, AND TULARE LAKE BASIN.

WITH RESERVOIR STORAGE ONLY SLIGHTLY ABOVE AVERAGE FOR THIS DATE, AND BELOW NORMAL INFLOWS PREDICTED DURING THE MONTHS AHEAD, USERS OF SURFACE WATER SUPPLIES IN THE SOUTHERN HALF OF THE CENTRAL VALLEY FACE POSSIBLE DEFICIENCIES. ADDITIONAL GROUND WATER USE MAY BE NECESSARY FOR SOME AGRICULTURAL WATER USERS IN THIS AREA.

AN IMPROVEMENT IN WATER SUPPLY POTENTIALS IN NORTHERN CALIFORNIA DURING MARCH RESULTED FROM PRECIPITATION PRODUCED BY TWO SIGNIFICANT STORMS WHICH CONTRIBUTED UP TO 250 PERCENT OF NORMAL AMOUNTS. FORECASTS OF APRIL THROUGH JULY RUNOFF WERE IMPROVED SLIGHTLY BY THIS PRECIPITATION AND NOW RANGE FROM NORMAL FOR THE MCCLOUD RIVER TO 130 PERCENT OF NORMAL FOR THE YUBA RIVER. CONVERSELY, LACK OF NORMAL MARCH PRECIPITATION IN THE SOUTHERN HALF OF THE STATE RESULTED IN A GENERAL DETERIORATION OF ALREADY WEAK WATER SUPPLY POTENTIALS, AND APRIL THROUGH JULY FORECASTS OF RUNOFF WERE REDUCED FROM THOSE PRESENTED ONE MONTH AGO. RUNOFF FOR THE PERIOD WILL RANGE FROM ABOUT 50 PERCENT OF NORMAL IN THE TULE AND KERN RIVERS TO NEAR NORMAL IN THE STANISLAUS RIVER, WITH THE GENERAL TREND TOWARDS NORMAL ON AN ASCENDING GRADIENT FROM SOUTH TO NORTH.

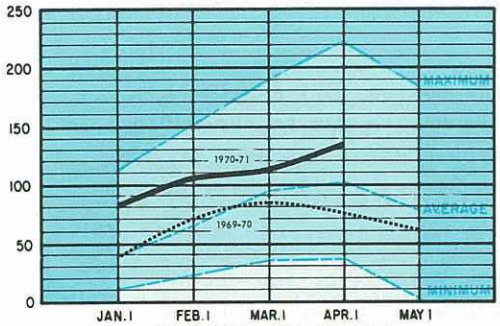
RUNOFF DURING THE PAST MONTH WAS 150 PERCENT OF NORMAL ON A STATEWIDE BASIS, BUT THE AMOUNTS IN INDIVIDUAL HYDROGRAPHIC AREAS VARIED WIDELY FROM THIS AND ESSENTIALLY REFLECTED THE IRREGULAR PRECIPITATION PATTERN OVER THE STATE. THE CENTRAL AND SOUTH COASTAL AREAS PRODUCED 25 PERCENT OR LESS OF NORMAL MARCH RUNOFF. IN THE CENTRAL VALLEY, THE MONTH'S RUNOFF RANGED FROM 80 PERCENT OF NORMAL FOR THE SAN JOAQUIN VALLEY TO 140 PERCENT FOR THE SACRAMENTO VALLEY. NORTH COAST STREAMS, RESPONDING TO THE ABUNDANT PRECIPITATION, PRODUCED ALMOST 200 PERCENT OF NORMAL FLOWS FOR THE MONTH.

IN SOUTHERN CALIFORNIA, THE RUNOFF IN INDEX STREAMS DURING MARCH AVERAGED ONLY 15 PERCENT OF NORMAL. HOWEVER, LOCAL RESERVOIR STORAGE REMAINED STEADY, 135 PERCENT OF AVERAGE FOR THIS DATE. TOTAL STORAGE ON THE COLORADO RIVER AMOUNTS TO 34,255,000 ACRE-FEET OR 110 PERCENT OF THE AMOUNT IN ACTIVE STORAGE ONE YEAR AGO. LAKES MEAD, MOJAVE, AND HAVASU ARE ALL STORING AVERAGE AMOUNTS FOR THIS DATE.

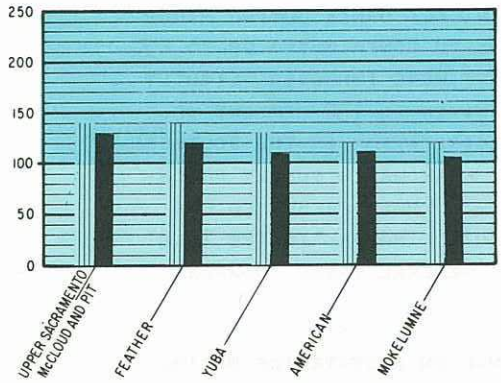
SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROGRAPHIC AREA	PRECIPITATION OCTOBER 1 TO DATE	SNOW WATER CONTENT	RESERVOIR STORAGE	RUNOFF	
				OCTOBER 1 TO DATE	WATER YEAR FORECAST
North Coastal	130	125	110	180	155
San Francisco Bay	105	--	115	105	105
Central Coastal	85	--	105	70	75
South Coastal	85	--	135	85	90
Central Valley					
Sacramento Basin	110	135	105	130	125
San Joaquin and Tulare Lake Basins	85	90	110	90	80
Lahontan	90	110	105	110	105
Colorado Desert	15	--	--	--	--
ENTIRE STATE	100	115	110	145	120

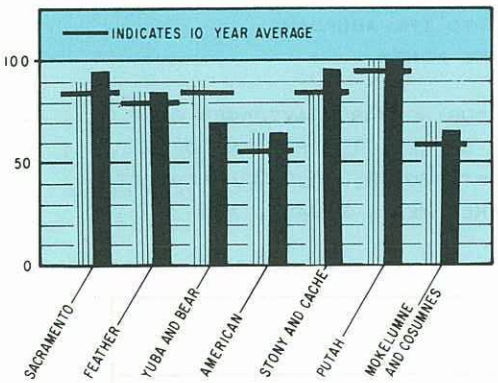
SACRAMENTO RIVER BASIN



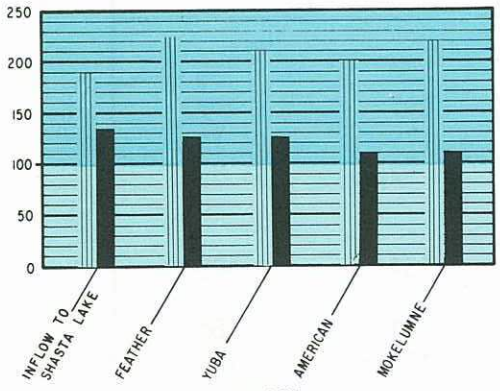
SNOWPACK ACCUMULATION
WATER CONTENT IN PERCENT OF APRIL I AVERAGE



PRECIPITATION
OCTOBER I TO DATE IN PERCENT OF AVERAGE



RESERVOIR STORAGE
CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY



RUNOFF
OCTOBER I TO DATE IN PERCENT OF AVERAGE

APRIL 1, 1970 APRIL 1, 1971

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 96 SNOW COURSES AND 31 AERIAL SNOW DEPTH MARKERS ON OR ABOUT APRIL 1. ALSO, READINGS OF WATER CONTENT WERE OBTAINED FROM 10 SNOW SENSORS. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT WAS 135 PERCENT OF AVERAGE, AS COMPARED TO 75 PERCENT ONE YEAR AGO. SNOWPACK WATER CONTENT RANGES FROM A HIGH OF 145 PERCENT OF AVERAGE IN THE FEATHER AND YUBA RIVER BASINS TO A LOW OF 120 PERCENT IN THE MOKELUMNE RIVER BASIN. SNOWPACK ACCUMULATION DURING THE MONTH OF MARCH AVERAGED ABOUT 30 PERCENT. NORMALLY, DURING THE MONTH OF MARCH ABOUT 15 PERCENT OF SNOW ACCUMULATION OCCURS. SNOW DENSITIES RANGED FROM 35 TO 50 PERCENT.

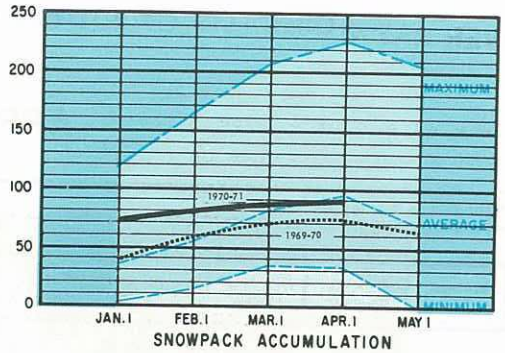
PRECIPITATION - FROM OCTOBER 1, 1970, THROUGH MARCH 31, 1971, PRECIPITATION OVER THE SACRAMENTO VALLEY AVERAGED 110 PERCENT OF NORMAL. ALL MOUNTAIN SUBDRAINAGES AND MOST OF THE VALLEY FLOOR ARE ABOVE NORMAL FOR THIS DATE, ALTHOUGH AMOUNTS ARE SLIGHTLY LESS THAN FOR THE CORRESPONDING PERIOD ONE YEAR AGO. SEASONAL TOTALS VARIED FROM A HIGH OF 81.10 INCHES AT PIT RIVER POWERHOUSE NO. 5 TO 12.37 INCHES AT WILLOWS, ON THE VALLEY FLOOR.

DURING MARCH, PRECIPITATION AVERAGED 120 PERCENT OF NORMAL OVER THE AREA. EXTREMES VARIED FROM A HIGH OF 14.06 INCHES AT BRUSH CREEK RANGER STATION, IN THE FEATHER RIVER DRAINAGE, TO 1.95 INCHES AT DAVIS, ON THE VALLEY FLOOR.

RESERVOIR STORAGE - THE THIRTY-FOUR MAJOR RESERVOIRS ON THE SACRAMENTO RIVER AND ITS TRIBUTARIES CONTAINED 13,644,000 ACRE-FEET OF STORAGE ON APRIL 1. THIS REPRESENTS 85 PERCENT OF THEIR TOTAL CAPACITY AND 105 PERCENT OF AVERAGE CONTENTS FOR THIS DATE. FOLSOM LAKE ON THE AMERICAN RIVER CONTAINED THE LARGEST AMOUNT, PERCENTAGEWISE, WITH 140 PERCENT OF NORMAL STORAGE FOR THIS DATE. STORAGE IN THE YUBA-BEAR RIVER SYSTEMS REMAINS ABOUT 20 PERCENT BELOW NORMAL.

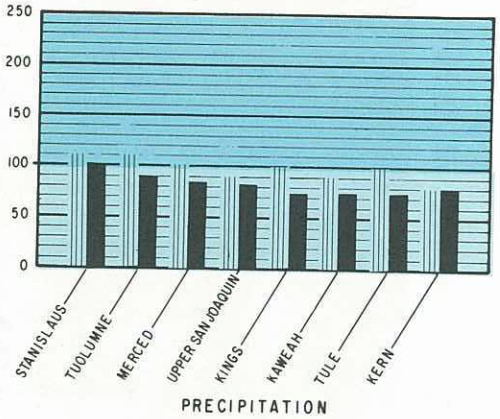
RUNOFF - DURING THE PAST MONTH, MAJOR STREAMS IN THE SACRAMENTO VALLEY AVERAGED 140 PERCENT OF NORMAL RUNOFF, WHICH TOTALED 3,391,100 ACRE-FEET. THE STREAMS ABOVE SHASTA LAKE AVERAGED ABOUT 135 PERCENT OF NORMAL WHILE THE FEATHER RIVER WAS ABOUT 170 PERCENT OF NORMAL. FOR THE SOUTHERN PART OF THE VALLEY, THE COSUMNES AND MOKELUMNE RIVERS WERE ABOUT 95 AND 100 PERCENT OF NORMAL, RESPECTIVELY. TOTAL WATER YEAR RUNOFF FOR THE PERIOD OCTOBER 1 THROUGH MARCH 31 HAS BEEN 13,048,100 ACRE-FEET OR 130 PERCENT OF NORMAL FOR THE AREA, WITH THE SACRAMENTO RIVER FOREMOST AT ABOUT 136 PERCENT OF NORMAL FOR THE PERIOD.

SAN JOAQUIN RIVER AND TULARE LAKE BASINS



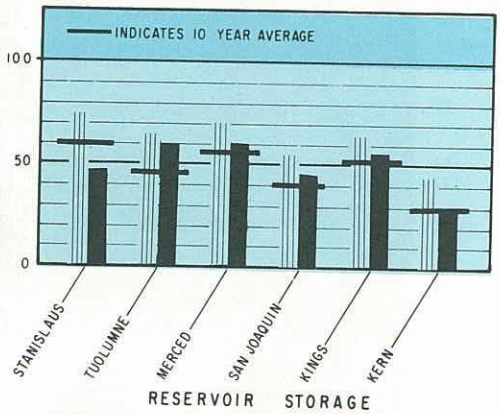
SNOWPACK ACCUMULATION
WATER CONTENT IN PERCENT OF APRIL 1 AVERAGE

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 107 SNOW COURSES AND 56 AERIAL SNOW DEPTH MARKERS ON OR ABOUT APRIL 1. ALSO, READINGS OF WATER CONTENT WERE OBTAINED FROM 7 SNOW SENSORS. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT IS 90 PERCENT OF AVERAGE, AS COMPARED TO 75 PERCENT ONE YEAR AGO. SNOWPACK WATER CONTENT RANGES FROM A HIGH OF 105 PERCENT IN THE STANISLAUS RIVER BASIN TO A LOW OF 70 PERCENT IN THE KERN RIVER BASIN. SNOW ACCUMULATION IN THIS AREA WAS MUCH BELOW NORMAL AND THE KAWEAH, TULE, AND KERN RIVER BASINS ACTUALLY LOST WATER CONTENT DURING THE MONTH OF MARCH. SNOW DENSITIES RANGED FROM 35-50 PERCENT.



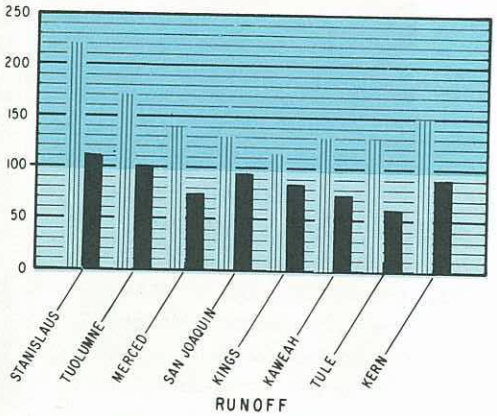
PRECIPITATION
OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

PRECIPITATION - FROM OCTOBER 1, 1970, THROUGH MARCH 31, 1971, PRECIPITATION WAS 85 PERCENT OF NORMAL OVER THE SAN JOAQUIN VALLEY. SEASONAL PRECIPITATION VALUES ARE SLIGHTLY LESS THAN THEY WERE FOR THE CORRESPONDING PERIOD ONE YEAR AGO. CALAVERAS BIG TREES, IN THE STANISLAUS RIVER DRAINAGE, REPORTED THE GREATEST OCTOBER-MARCH TOTAL IN THE AREA OF 46.15 INCHES AS CONTRASTED TO THE LOWEST TOTAL OF 2.85 INCHES AT SOUTH BELRIDGE, WEST OF BAKERSFIELD, FOR THE SAME PERIOD. PRECIPITATION DURING MARCH AVERAGED ONLY 60 PERCENT OF NORMAL. IT VARIED FROM 6.24 INCHES AT CALAVERAS BIG TREES TO 0.10 INCH AT SOUTH BELRIDGE.



RESERVOIR STORAGE
CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

RESERVOIR STORAGE - ON APRIL 1 THERE WAS 2,958,000 ACRE-FEET OF WATER STORED IN 27 MAJOR RESERVOIRS ON STREAMS TRIBUTARY TO THE SAN JOAQUIN VALLEY. THIS AMOUNTS TO 50 PERCENT OF TOTAL CAPACITY AND 110 PERCENT OF AVERAGE CONTENTS FOR THIS DATE. THERE IS 639,000 ACRE-FEET LESS IN STORAGE THAN WAS RECORDED ONE YEAR AGO. TOTAL STORAGE ON THE STANISLAUS RIVER WAS 70 PERCENT OF NORMAL. OTHER RESERVOIRS BELOW NORMAL WERE SUCCESS ON THE TULE RIVER, AT 90 PERCENT, AND TERMINUS ON THE KAWEAH AT 80 PERCENT OF AVERAGE.



RUNOFF
OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

RUNOFF - MARCH RUNOFF WAS 80 PERCENT OF NORMAL FOR THESE AREAS, VARYING FROM 40 PERCENT FOR THE TULE RIVER TO 95 PERCENT FOR THE STANISLAUS RIVER. SEASONAL RUNOFF DURING THE WATER YEAR WAS ABOUT 90 PERCENT OF NORMAL; HOWEVER, THE RUNOFF DISTRIBUTION VARIED GREATLY BETWEEN STREAMS. THE STANISLAUS AND TUOLUMNE RIVERS PRODUCED 110 AND 100 PERCENT, RESPECTIVELY, WHILE THE KINGS, KAWEAH, AND TULE RIVERS PRODUCED 85, 75, AND 60 PERCENT OF NORMAL, RESPECTIVELY, FOR THE WATER YEAR TO DATE.

APRIL 1, 1970 ═══ APRIL 1, 1971 ▬

FORECASTS OF RUNOFF FC

AS

APRIL

DRAINAGE BASIN AND WATERSHED	April Through July in 1,000 Acre-Feet					
	HISTORICAL			FORECASTS		
	50-Year Average	Maximum of Record	Minimum of Record	April-July Forecast	Percent of Average	80% Prob. Range Acre-Feet
SACRAMENTO RIVER BASIN						
Upper Sacramento River						
Pit River inflow to Shasta Lake	1,012	1,796	480	1,250	124	--
McCloud River inflow to Shasta Lake	422	850	194	460	109	--
Sacramento River inflow to Shasta Lake	288	636	39	330	115	--
Total inflow to Shasta Lake	1,774	3,064	726	2,100	118	1,750 to 2,750
Sacramento River near Red Bluff	2,424	4,611	943	2,900	120	2,400 to 3,800
Feather River						
Inflow to Lake Almanor (nr Prattville)	326	675	120	420	129	--
North Fork at Pulga	1,031	2,416	254	1,300	126	--
Middle Fork near Clio	85	518	8	120	141	--
South Fork at Enterprise	106	267	19	135	127	--
Total inflow to Oroville Reservoir	1,862	4,676	396	2,400	129	2,100 to 3,100
Yuba River						
North Fork below Goodyears Bar	289	647	68	375	130	--
Combined inflow to Jackson Mdw. and Bowman Reservoirs	109	236	37	140	128	--
South Fork at Langs Crossings	233	481	74	300	129	--
Yuba River at Smartville	1,079	2,424	239	1,420	132	1,270 to 1,800
American River						
North Fork at North Fork Dam	264	716	48	320	121	--
Middle Fork near Auburn	548	1,406	117	665	121	--
Silver Creek below Camino Diversion Dam	180	383	43	220	122	--
Total inflow to Folsom Reservoir	1,314	3,074	257	1,620	123	1,460 to 2,100
Sacramento River at Sacramento						
Cosumnes River						
Cosumnes River at Michigan Bar	145	361	12	170	117	140 to 240
Mokelumne River						
North Fork near West Point	416	829	143	470	113	--
Total inflow to Pardee Reservoir	465	1,065	127	520	112	460 to 650
SAN JOAQUIN RIVER BASIN						
Stanislaus River						
Middle Fork at Sand Bar Flat near Avery	339	702	83	330	97	--
Total inflow to Melones Reservoir	718	1,710	167	690	96	590 to 940
Tuolumne River						
Cherry Creek and Eleanor Creek near Hetch Hetchy	305	560	102	270	89	--
Tuolumne River near Hetch Hetchy	599	1,392	215	540	90	--
Total inflow to Don Pedro Reservoir	1,193	2,609	385	1,020	85	880 to 1,280
Merced River						
Merced River at Pohono Bridge	359	888	121	280	78	--
Total inflow to Exchequer	608	1,491	175	450	74	380 to 620
San Joaquin River						
South Fork near Florence Lake	187	511	58	160	86	--
Big Creek below Huntington Lake	85	264	19	70	82	--
San Joaquin River at Mammoth Pool	971	2,218	254	830	82	--
Total inflow to Millerton Lake	1,193	3,355	310	950	80	770 to 1,100
San Joaquin River near Vernalis						
TULARE LAKE BASIN						
Kings River						
North Fork near Cliff Camp	232	478	50	170	73	--
Total inflow to Pine Flat Reservoir	1,163	3,163	280	840	72	670 to 1,060
Kaweah River						
Total inflow to Terminus Reservoir	271	814	69	190	70	150 to 240
Tule River						
Total inflow to Success Reservoir	59	222	2	30	51	20 to 45
Kern River						
Kern River near Kernville	349	1,200	75	200	57	--
Total inflow to Isabella Reservoir	419	1,649	84	220	53	140 to 330

CENTRAL VALLEY STREAMS

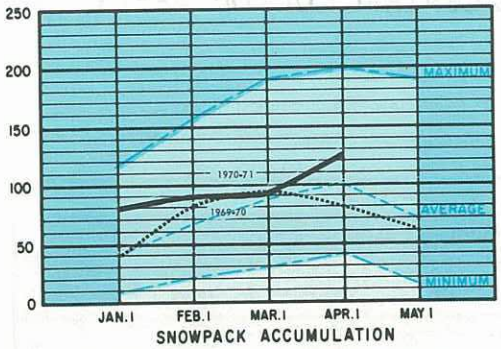
F

, 1971

Water Year --- October Through September --- in 1,000 Acre-Feet												
HISTORICAL			FORECASTS									
50-Year Average	Maximum of Record	Minimum of Record	October Through January	February	March	April	May	June	July	August and September	Water Year Forecast	Percent of Average
2,863	4,698	1,484	1,300	350	582	--	--	--	--	--	3,770	132
1,222	2,353	632	490	104	171	--	--	--	--	--	1,350	110
780	1,767	171	386	85	126	--	--	--	--	--	950	122
5,481	9,700	2,479	2,935	558	1,047	900	620	350	230	460	7,100	130
7,950	15,121	3,294	4,728	766	1,494	1,250	870	460	320	562	10,450	131
722	1,269	396	--	--	--	--	--	--	--	--	--	--
2,265	4,400	819	--	--	--	--	--	--	--	--	--	--
203	637	41	--	--	--	--	--	--	--	--	--	--
257	562	67	--	--	--	--	--	--	--	--	--	--
4,286	9,492	1,295	1,453	370	980	910	890	430	170	247	5,450	127
526	1,056	162	--	--	--	--	--	--	--	--	--	--
166	292	60	--	--	--	--	--	--	--	--	--	--
343	565	114	--	--	--	--	--	--	--	--	--	--
2,266	4,544	603	814	215	393	470	570	300	80	58	2,900	128
550	1,234	110	--	--	--	--	--	--	--	--	--	--
1,009	2,575	283	--	--	--	--	--	--	--	--	--	--
298	537	83	--	--	--	--	--	--	--	--	--	--
2,570	5,787	543	760	200	390	560	650	330	80	30	3,000	117
												128
363	876	40	135	32	62	85	50	30	5	1	400	110
583	1,009	197	--	--	--	--	--	--	--	--	--	--
705	1,692	190	137	49	72	140	220	135	25	7	785	111
456	929	128	--	--	--	--	--	--	--	--	--	--
1,085	2,834	261	204	73	109	200	275	165	50	14	1,090	100
428	740	158	--	--	--	--	--	--	--	--	--	--
738	1,661	265	--	--	--	--	--	--	--	--	--	--
1,789	3,756	546	330	96	153	280	380	290	70	16	1,615	90
439	1,020	145	--	--	--	--	--	--	--	--	--	--
920	2,203	252	124	40	58	130	190	110	20	8	680	74
226	653	71	--	--	--	--	--	--	--	--	--	--
100	298	22	--	--	--	--	--	--	--	--	--	--
1,256	2,964	361	--	--	--	--	--	--	--	--	--	--
1,659	4,368	444	197	71	110	240	350	260	100	52	1,380	83
												87
266	542	58	--	--	--	--	--	--	--	--	--	--
1,568	4,243	392	157	56	80	220	310	250	60	47	1,180	75
404	1,265	102	45	18	28	55	75	45	15	4	285	71
133	499	19	25	10	10	14	12	3	1	--	75	56
514	1,800	147	--	--	--	--	--	--	--	--	--	--
629	2,207	175	88	28	38	55	70	65	30	26	400	64

Monthly unimpaired values are based on historical years of similar magnitude.

NORTH COASTAL AREA

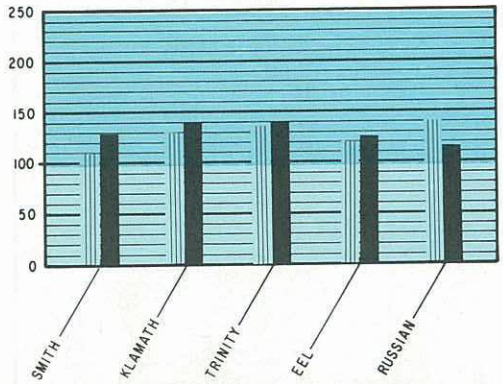


SNOWPACK ACCUMULATION

WATER CONTENT IN PERCENT OF APRIL I AVERAGE

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 19 SNOW COURSES ON OR ABOUT APRIL 1. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT IS 125 PERCENT OF AVERAGE, AS COMPARED TO 80 PERCENT ONE YEAR AGO. THE WATER CONTENT RANGED FROM 140 PERCENT IN THE SHASTA RIVER BASIN TO 115 PERCENT IN THE SCOTT RIVER BASIN. SHIMMY LAKE SNOW COURSE IN THE TRINITY RIVER BASIN REPORTED AN INCREASE OF 29.6 INCHES OF WATER CONTENT DURING THE MONTH OF MARCH.

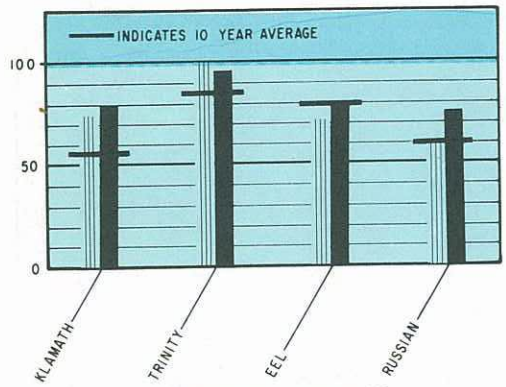
THE OREGON COOPERATIVE SNOW SURVEYS REPORTS THAT SNOWPACK WATER CONTENT IN THE UPPER KLAMATH RIVER BASIN ON APRIL 1 WAS 140 PERCENT OF NORMAL AS COMPARED TO 56 PERCENT ONE YEAR AGO.



PRECIPITATION

OCTOBER I TO DATE IN PERCENT OF AVERAGE

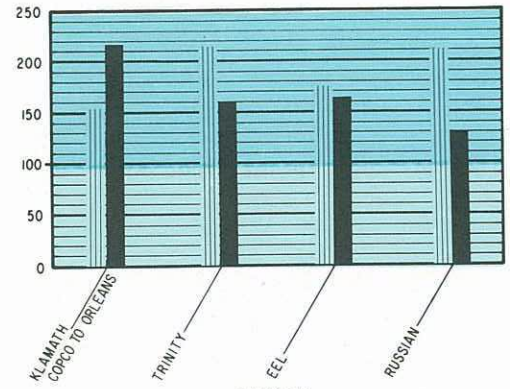
PRECIPITATION - PRECIPITATION IN THE NORTH COASTAL AREA AVERAGED 130 PERCENT OF NORMAL FOR THE PERIOD OCTOBER 1 THROUGH MARCH 31. IT VARIED FROM 117.39 INCHES AT CRESCENT CITY 11 EAST, IN THE SMITH RIVER DRAINAGE, ALSO THE WETTEST STATION IN THE STATE, TO 7.37 INCHES AT TULELAKE, IN THE LOST RIVER DRAINAGE. ALL SUBDRAINAGES ARE ABOVE NORMAL AND, WITH THE EXCEPTION OF THE RUSSIAN RIVER DRAINAGE, HAVE VALUES SLIGHTLY MORE THAN LAST YEAR FOR THE CORRESPONDING PERIOD. FOR THE MONTH OF MARCH, PRECIPITATION AVERAGED 190 PERCENT OF NORMAL. SUBDRAINAGES VARIED FROM 236 PERCENT OF NORMAL IN THE KLAMATH TO 134 PERCENT IN THE RUSSIAN.



RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

RESERVOIR STORAGE - THE FOUR MAJOR RESERVOIRS IN THIS AREA ARE STORING 2,522,000 ACRE-FEET ON APRIL 1. THIS AMOUNTS TO 93 PERCENT OF TOTAL CAPACITY AND 110 PERCENT OF AVERAGE STORAGE FOR THIS DATE. THE THREE INTERSTATE RESERVOIRS ON THE KLAMATH RIVER SYSTEM, WHICH CONTRIBUTE WATER SUPPLIES TO THIS AREA, ARE STORING 970,500 ACRE-FEET OR 145 PERCENT OF THE 10-YEAR AVERAGE FOR APRIL 1. THIS IS 44,000 ACRE-FEET MORE THAN THE STORAGE ONE YEAR AGO.



RUNOFF

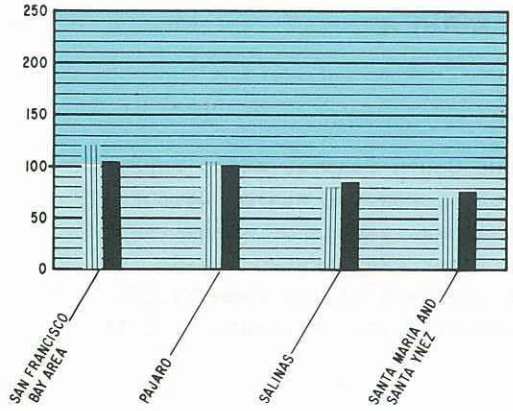
OCTOBER I TO DATE IN PERCENT OF AVERAGE

RUNOFF - NORTH COASTAL STREAMS PRODUCED 195 PERCENT OF AVERAGE RUNOFF FOR THE MONTH OF MARCH. FOR THE RUSSIAN RIVER, RUNOFF WAS 125 PERCENT OF AVERAGE WITH THE KLAMATH RIVER BEING 230 PERCENT OF AVERAGE. THE WATER YEAR RUNOFF HAS BEEN WELL ABOVE NORMAL THROUGHOUT THE AREA, AVERAGING 180 PERCENT OF NORMAL, WITH THE RUNOFF FURNISHING 16,419,800 ACRE-FEET DURING THIS PERIOD.

FORECASTS - CONDITIONS AT THIS TIME INDICATE THAT RUNOFF OF THE NORTH COASTAL AREA DURING THE 1970-71 WATER YEAR WILL BE ABOUT 155 PERCENT OF AVERAGE. THE APRIL-JULY RUNOFF OF THE TRINITY RIVER AT LEWISTON IS FORECASTED TO BE ABOUT 800,000 ACRE-FEET, WHICH IS 130 PERCENT OF THE AVERAGE RUNOFF AT THIS STATION. THE U. S. SOIL CONSERVATION SERVICE, THE OREGON EXPERIMENT STATION, AND THEIR COOPERATORS, FORECAST THAT APRIL-JULY RUNOFF INTO UPPER KLAMATH LAKE WILL BE ABOUT 602,000 ACRE-FEET OR 118 PERCENT OF THE 1953-67 AVERAGE.

APRIL 1, 1970 ═══ APRIL 1, 1971 ▬▬

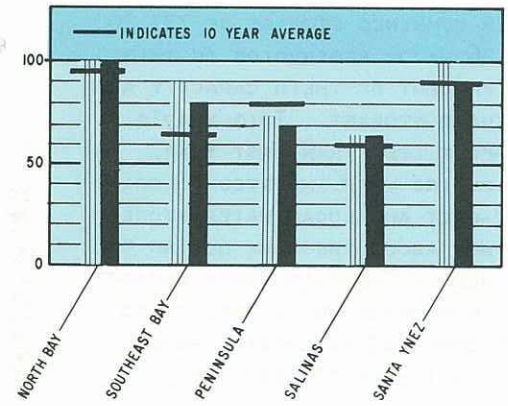
SAN FRANCISCO BAY AND CENTRAL COASTAL AREAS



PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

PRECIPITATION - IN THE SAN FRANCISCO BAY AND CENTRAL COASTAL AREAS, PRECIPITATION AVERAGED 95 PERCENT OF NORMAL FOR THE PERIOD OCTOBER 1 THROUGH MARCH 31. IT VARIED FROM 117 PERCENT OF NORMAL AT OAKLAND WSO TO 67 PERCENT AT SANTA MARIA WSO. SUBDRAINAGE PRECIPITATION AMOUNTS ARE GENERALLY ABOUT THE SAME VALUE AS FOR THE CORRESPONDING PERIOD LAST YEAR. SEASONAL TOTALS VARIED FROM 45.69 INCHES AT LAGUNITAS LAKE, IN MARIN COUNTY, TO 7.42 INCHES AT SANTA MARIA. MARCH PRECIPITATION AVERAGED 70 PERCENT OF NORMAL. IT VARIED FROM 112 PERCENT OF NORMAL AT NAPA STATE HOSPITAL WITH 3.57 INCHES, TO 12 PERCENT AT CACHUMA DAM WITH 0.37 INCH IN THE SANTA YNEZ DRAINAGE.

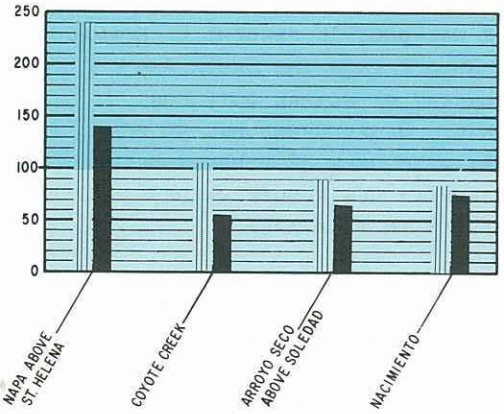


RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

RESERVOIR STORAGE - THE 17 MAJOR RESERVOIRS IN THE SAN FRANCISCO BAY AREA HAD A TOTAL STORAGE OF 509,200 ACRE-FEET OF WATER ON APRIL 1. THIS IS 115 PERCENT OF THEIR APRIL 1 AVERAGE, 80 PERCENT OF THEIR TOTAL CAPACITY, AND 40,000 ACRE-FEET LESS THAN HELD LAST YEAR AT THIS SAME TIME. SEVEN OF THESE RESERVOIRS DRAW FROM SIERRA WATERSHEDS.

THERE WAS 700,400 ACRE-FEET OF WATER STORED IN THE 6 MAJOR RESERVOIRS OF THE CENTRAL COASTAL AREA AS OF APRIL 1. THIS STORAGE IS 31,000 ACRE-FEET LESS THAN ON THE SAME DATE LAST YEAR AND REPRESENTS 105 PERCENT OF NORMAL FOR THIS DATE.



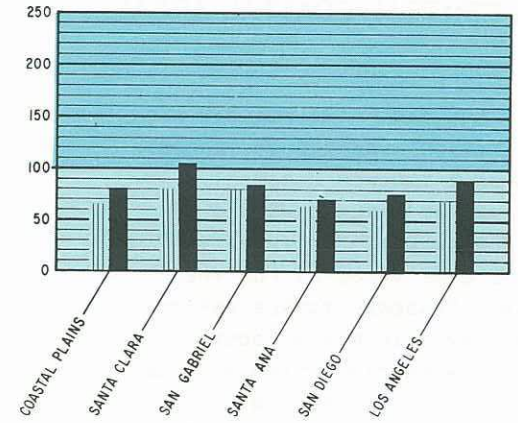
RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

RUNOFF - SAN FRANCISCO BAY AND CENTRAL COASTAL STREAMS HAD ONLY 31 PERCENT OF THEIR AVERAGE RUNOFF FOR THE MONTH OF MARCH. RUNOFF RANGED FROM 60 PERCENT OF NORMAL FOR THE BAY AREA TO 20 PERCENT OF NORMAL FOR THE CENTRAL COASTAL AREA. FOR THE WATER YEAR TO DATE, THE BAY AREA HAS RECEIVED 105 PERCENT OF NORMAL AND THE CENTRAL COASTAL AREA 70 PERCENT OF NORMAL. THIS EXEMPLIFIES THE INSUFFICIENT PRECIPITATION WHICH OCCURRED OVER THE CENTRAL COASTAL AREA.

APRIL 1, 1970 ═══ APRIL 1, 1971 ■

SOUTH COASTAL AREA

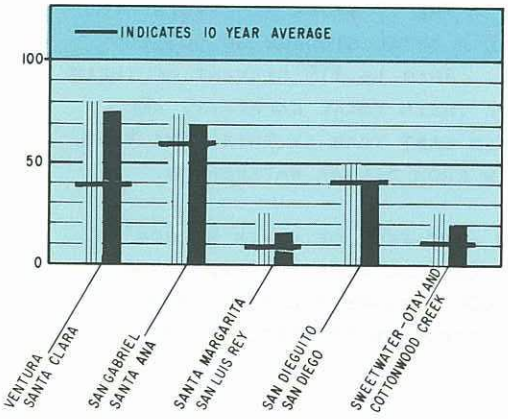


PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

PRECIPITATION - IN THE SOUTH COASTAL AREA, PRECIPITATION AVERAGED 85 PERCENT OF NORMAL FOR THE PERIOD OCTOBER 1, 1970, THROUGH MARCH 31, 1971. SEASONAL VALUES OF SUBDRAINAGES ARE 5 TO 25 PERCENT GREATER THAN THOSE EXPERIENCED DURING THE SAME PERIOD LAST YEAR. SEASONAL EXTREMES VARIED FROM 27.82 INCHES AT HOEGEES, IN THE SAN GABRIEL RIVER DRAINAGE, TO 6.11 INCHES AT SAN DIEGO NWS AIRPORT.

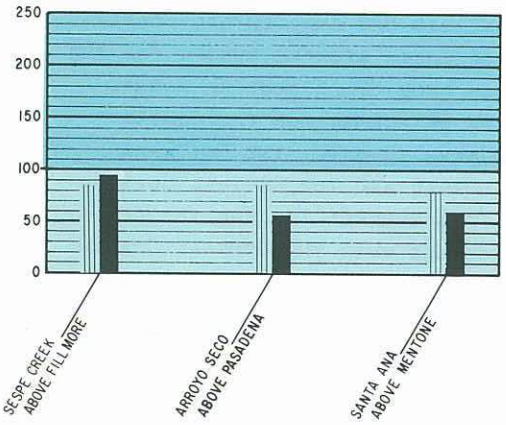
MARCH PRECIPITATION AVERAGED ONLY 30 PERCENT OF NORMAL. IT VARIED FROM 57 PERCENT OF NORMAL AT VENTURA, WITH 1.25 INCHES, TO ONLY 8 PERCENT AT ELSINORE WITH 0.14 INCH, IN THE SANTA ANA RIVER DRAINAGE.



RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

RESERVOIR STORAGE - A COMBINED STORAGE OF 737,200 ACRE-FEET WAS RECORDED FROM THE 26 MAJOR RESERVOIRS IN THIS AREA. THIS AMOUNTS TO ABOUT 50 PERCENT OF THEIR CAPACITY AND 135 PERCENT OF THEIR APRIL 1 AVERAGE STORAGE. THIS YEAR'S APRIL 1 STORAGE IS 100,700 ACRE-FEET LESS THAN LAST YEAR. DURING MARCH, STORAGE IN 11 RESERVOIRS WITH IMPORTED COLORADO RIVER WATER INCREASED 4,000 ACRE-FEET AND LOCAL WATER STORED IN THE OTHER 15 RESERVOIRS REMAINED ABOUT THE SAME DURING THE MONTH. THE 11 RESERVOIRS THAT INCLUDE COLORADO RIVER WATER HAVE 325,300 ACRE-FEET OF WATER IN STORAGE WHICH AMOUNTS TO 105 PERCENT OF THE AVERAGE. THE OTHER 15 RESERVOIRS HAVE 412,000 ACRE-FEET OF WATER STORED WHICH IS 150 PERCENT OF AVERAGE.



RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

RUNOFF - MARCH RUNOFF WAS ONLY 16 PERCENT OF NORMAL FOR SOUTH COASTAL AREA STREAMS. RUNOFF FROM THE SANTA ANA RIVER FOR THE WATER YEAR IS 60 PERCENT OF NORMAL BUT, FOR MARCH, WAS ONLY 4 PERCENT OF NORMAL. SESPE CREEK HAS 95 PERCENT OF NORMAL FOR THE WATER YEAR, WITH ONLY 22 PERCENT OF NORMAL FOR THIS MONTH. THESE EXTREMELY LOW RUNOFF VALUES ILLUSTRATE A LACK OF PLUVIAN ACTIVITY IN THIS AREA.

APRIL 1, 1970 ═══ APRIL 1, 1971 ■

COLORADO DESERT AREA

SNOWPACK - APRIL 1 SNOWPACK IN THE UPPER COLORADO RIVER BASIN, ACCORDING TO THE U. S. SOIL CONSERVATION SERVICE, IS ABOUT 110 PERCENT OF AVERAGE, THE SAME AS ONE YEAR AGO. SNOWPACK WATER CONTENT RANGES FROM A LOW OF 58 PERCENT IN THE SAN JUAN RIVER BASIN TO A HIGH OF 151 PERCENT IN THE GREEN RIVER IN WYOMING.

PRECIPITATION - PRECIPITATION IN THE COLORADO DESERT AREA DURING THE OCTOBER THROUGH MARCH PERIOD AVERAGED 15 PERCENT OF NORMAL. EXTREMES VARIED FROM 17 PERCENT OF NORMAL AT IRON MOUNTAIN, TO 2 PERCENT AT BLYTHE AIRPORT. THE STATEWIDE LOW SEASONAL TOTAL OF 0.03 INCH WAS REPORTED FROM BLYTHE AIRPORT. MARCH PRECIPITATION WAS NIL OVER THE AREA.

RESERVOIR STORAGE - THERE WAS 16,289,000 ACRE-FEET OF WATER STORED IN LAKE MEAD ON APRIL 1. THIS IS 62 PERCENT OF CAPACITY AND NORMAL FOR THIS DATE. STORAGE IS 308,000 ACRE-FEET LESS THAN LAST YEAR.

LAKE POWELL, UPSTREAM FROM LAKE MEAD, HAD 12,434,000 ACRE-FEET OF STORAGE ON APRIL 1, AN INCREASE OF 2,899,000 ACRE-FEET FROM ONE YEAR AGO. THERE WAS 15,739,000 ACRE-FEET OF WATER IN THE SIX RESERVOIRS OF THE UPPER BASIN (31,739,000 ACRE-FEET ACTIVE CAPACITY), AND 18,516,000 ACRE-FEET IN THREE RESERVOIRS IN THE LOWER BASIN (28,588,000 ACRE-FEET ACTIVE CAPACITY).

DATUM FROM FIG TREE JOHNS GAGE MEASURED THE SALTON SEA SURFACE ELEVATION ON APRIL 1 AT 231.10 FEET BELOW MEAN SEA LEVEL. THIS REPRESENTS A RISE OF 0.35 FOOT FOR THE MONTH AND A RISE OF 0.10 FOOT FROM THE LEVEL OF LAST YEAR. OF RECENT TIME, THE HISTORIC HIGH LEVEL OF THE SALTON SEA WAS 230.60 FEET BELOW SEA LEVEL MEASURED IN THE SPRING OF 1964.

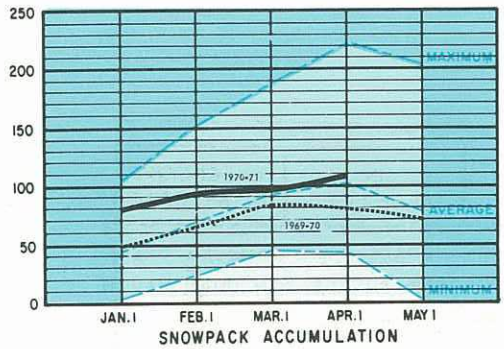
RUNOFF - MARCH RUNOFF OF THE COLORADO RIVER, INFLOW TO LAKE POWELL, CORRECTED FOR REGULATION BY UPPER COLORADO RIVER STORAGE PROJECT RESERVOIRS, WAS 687,000 ACRE-FEET OR 120 PERCENT OF NORMAL. OCTOBER THROUGH MARCH UNIMPAIRED RUNOFF WAS 3,100,000 ACRE-FEET OR 120 PERCENT OF NORMAL.

FORECAST APRIL 1, 1971 - THE U. S. BUREAU OF RECLAMATION, REGION 4, SALT LAKE CITY, UTAH, FORECASTS THAT FLOW IN THE COLORADO RIVER, INFLOW TO LAKE POWELL, DURING APRIL-JULY 1971 WILL BE:

MAXIMUM	10,000,000 ACRE-FEET
MEAN	7,500,000 ACRE-FEET
MINIMUM	5,000,000 ACRE-FEET

THE HISTORICAL APRIL-JULY INFLOW FROM THE PARIA AND LITTLE COLORADO RIVERS BETWEEN LAKE POWELL AND GRAND CANYON HAS AVERAGED ONLY 51,700 ACRE-FEET. THEREFORE, THE FORECAST FOR APRIL-JULY INFLOW TO LAKE POWELL CAN BE CONSIDERED AS ESSENTIALLY EQUIVALENT TO THE FORECAST FOR FLOW OF THE COLORADO RIVER NEAR GRAND CANYON, ASSUMING NO COLORADO RIVER STORAGE PROJECT RESERVOIRS.

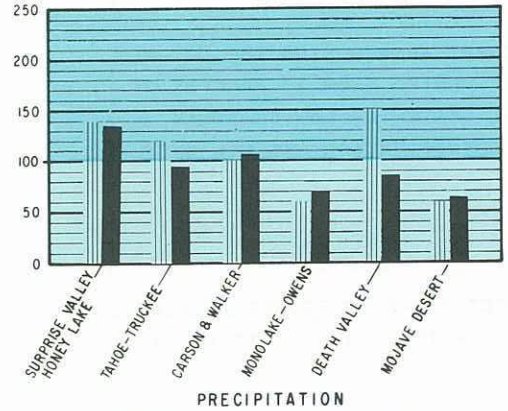
LAHONTAN AREA



SNOWPACK ACCUMULATION

WATER CONTENT IN PERCENT OF APRIL 1 AVERAGE

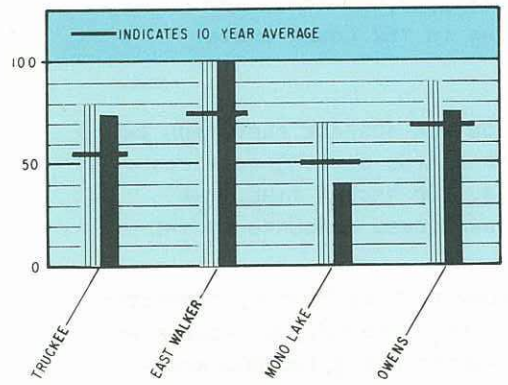
SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 71 SNOW COURSES AND 30 AERIAL SNOW DEPTH MARKERS ON OR ABOUT APRIL 1. ALSO, READINGS OF WATER CONTENT WERE OBTAINED FROM 7 SNOW SENSORS. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT WAS 110 PERCENT OF AVERAGE, AS COMPARED TO 80 PERCENT ONE YEAR AGO. IT RANGED FROM A HIGH OF 135 PERCENT IN THE TRUCKEE RIVER BASIN TO A LOW OF 70 PERCENT IN THE OWENS RIVER BASIN.



PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

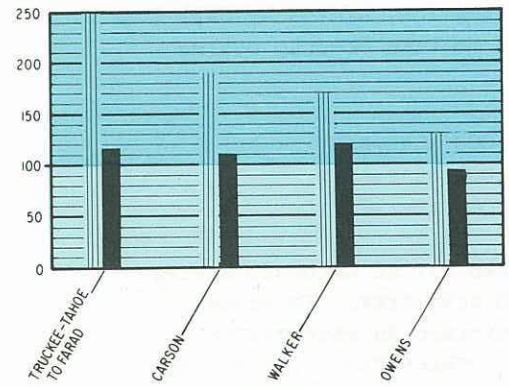
PRECIPITATION - OCTOBER THROUGH MARCH PRECIPITATION AVERAGED 90 PERCENT OF NORMAL FOR THE LAHONTAN AREA. SUBDRAINAGES FROM THE WALKER RIVER NORTH ARE NORMAL OR ABOVE. HOWEVER, THE MONO LAKE-OWENS DRAINAGE RECEIVED ONLY 70 PERCENT OF NORMAL, ALMOST A REPEAT OF LAST SEASON. SEASONAL CATCHES VARIED FROM 26.74 INCHES AT TAHOE CITY TO 2.25 INCHES AT BISHOP. MARCH PRECIPITATION AVERAGED 95 PERCENT OF NORMAL. EXTREMES VARIED WIDELY FROM 325 PERCENT OF NORMAL AT FORT BIDWELL, WITH 4.87 INCHES, TO NO PRECIPITATION AT INDEPENDENCE, IN THE OWENS RIVER DRAINAGE.



RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

RESERVOIR STORAGE - STORAGE IN SEVEN MAJOR CALIFORNIA RESERVOIRS IN THE MONO LAKE-OWENS VALLEY AREA WAS 236,600 ACRE-FEET ON APRIL 1. THIS IS ABOUT 70 PERCENT OF THEIR COMBINED CAPACITY AND 105 PERCENT OF NORMAL FOR THIS DATE. STORAGE IN LAKE TAHOE, BOCA, AND BRIDGEPORT RESERVOIRS, WHICH STORE WATER FOR USE IN BOTH CALIFORNIA AND NEVADA, WAS 635,400 ACRE-FEET OR 75 PERCENT OF CAPACITY AND 140 PERCENT OF AVERAGE FOR THIS DATE. LAKE TAHOE STORAGE IS 48,000 ACRE-FEET LESS THAN ONE YEAR AGO; HOWEVER, IT IS STORING 135 PERCENT OF THE AVERAGE APRIL 1 STORAGE. THE WATER SURFACE ELEVATION IS NOW 6227.62 FEET.



RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

RUNOFF - MARCH RUNOFF IN THE LAHONTAN AREA WAS 120 PERCENT OF NORMAL. ALL STREAMS WERE RUNNING ABOVE NORMAL EXCEPT FOR THE OWENS RIVER WHICH WAS 75 PERCENT. RUNOFF FOR THE WATER YEAR TO DATE HAS BEEN 110 PERCENT OF NORMAL WITH ONLY THE OWENS RIVER PRODUCING SLIGHTLY BELOW NORMAL AMOUNTS FOR THE PERIOD.

FORECASTS - CONDITIONS AS OF APRIL 1 INDICATE THAT RUNOFF FROM THE LAHONTAN AREA DURING THE 1970-71 WATER YEAR WILL BE ABOUT 105 PERCENT OF AVERAGE. THE DEPARTMENT OF WATER AND POWER OF THE CITY OF LOS ANGELES FORECASTS THE APRIL-JULY RUNOFF FOR THE OWENS RIVER BELOW LONG VALLEY RESERVOIR TO BE ABOUT 56,000 ACRE-FEET, 89 PERCENT OF AVERAGE.

APRIL 1, 1970 ═══ APRIL 1, 1971 ▬

LAHONTAN AREA

FORECASTS AS OF APRIL 1, 1971			
	APRIL-JULY RUNOFF		
STREAM AND STATION	AVERAGE IN ACRE-FEET	IN ACRE-FEET	IN PERCENT OF AVERAGE
Bidwell Creek near Ft. Bidwell	11,180	16,000	143
Mill Creek above diversions	4,870	6,700	138
Deep Creek above diversions	3,540	4,600	130
Eagle Creek at Eagleville	4,770	6,000	126
Truckee River, Lake Tahoe to Farad accretion	264,000	300,000	114
Lake Tahoe Rise (assuming gates closed)	1.42 FT.	1.60 FT.	113
East Carson River near Gardnerville	181,000	190,000	105
West Carson River at Woodfords	51,000	55,000	108
East Walker River near Bridgeport	60,000	50,000	83
West Walker River near Coleville	143,000	140,000	98

SNOW LINES

SHAKESPEARE - THE OLD BARD WAS PROBABLY MUSING ABOUT SNOW SURVEYORS WHEN HE WROTE, "IN NATURE'S INFINITE BOOK OF SECRECY, A LITTLE I CAN READ." (ANTHONY AND CLEOPATRA, ACT 1, SCENE 2). CALIFORNIA SNOW SURVEYORS READ THE WATER CONTENT IN 38 SQUARE FEET OF THE SNOWPACK DURING THIS MONTH'S SNOW SURVEYS OF 314 TEN-POINT SNOW COURSES. THAT'S .0008 ACRES OR .00000000357 PERCENT OF THE TOTAL SNOWFIELD IN THE STATE. FROM THIS INFINITESIMAL SAMPLE, THE APRIL THROUGH JULY SNOWMELT RUNOFF IS PREDICTED FOR ALL OF CALIFORNIA'S MAJOR STREAMS.

RECORD SNOWFALLS - A SNOWFALL OF 87 INCHES IN 27-1/2 HOURS ON APRIL 14-15, 1921, WAS REPORTED AT SILVER LAKE, COLORADO. THIS PRORATES TO 76 INCHES IN 24 HOURS AND IS THE ACCEPTED NATIONAL WEATHER SERVICE RECORD FOR THE UNITED STATES. THE FORMER ACCEPTED RECORD WAS 60 INCHES IN 24 HOURS. THIS OCCURRED ON JANUARY 18-19, 1933, AT GIANT FOREST, CALIFORNIA. ANOTHER CONTENDER FOR THE RECORD HAS BEEN BROUGHT FORWARD BY DOUGLAS R. POWELL WHO CITES AN OBSERVATION AT THE MAINTENANCE STATION OF THE CALIFORNIA HIGHWAY DEPARTMENT AT CRESTVIEW, CALIFORNIA, WHERE A 24-HOUR MEASUREMENT OF 84 INCHES WAS MADE ON JANUARY 14-15, 1952. SOMEWHERE, UNDOUBTEDLY, SNOWFALL HAS BEEN MUCH DEEPER BUT WENT UNNOTICED. AS MAN'S RESIDENCY IN THE MOUNTAINS INCREASES, THE BIG STORMS OF THE FUTURE MAY WELL PRODUCE AN OBSERVED 100 INCHES OF SNOWFALL IN 24 HOURS.

COVER

IN ADDITION TO MEASUREMENT OF SNOW, MANY SNOW SURVEYORS ALSO COLLECT DATA FROM VARIOUS METEOROLOGICAL INSTRUMENTS. SHOWN HERE IS A PRECIPITATION GAGE AND TEMPERATURE STATION WHICH PROVIDES USEFUL INFORMATION FOR SNOWMELT RUNOFF ANALYSIS.

CALIFORNIA COOPERATIVE SNOW SURVEYS

STATE OF CALIFORNIA

The Resources Agency

Department of Water Resources

BULLETIN No. 120-71

WATER CONDITIONS IN CALIFORNIA

Report No. 3: Basic Data Supplement

APRIL 1, 1971

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

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

STATE OF CALIFORNIA
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FOREWORD

Reports entitled "Water Conditions in California" are prepared as of the first of each month, February through May, and in the fall of each year by the Department of Water Resources, Division of Resources Development, pursuant to Section 228, Article 2, Chapter 2.5, Division 1, of the Water Code which provides that:

> "The Department shall gather and correlate information and data pertinent to an annual forecast of seasonal water crop, including the making of snow surveys, either independently or in cooperation with any person or any county, State, Federal, or other agency."

The April 1, 1971 report, published earlier as a separate volume, was based upon the precipitation, snow survey, reservoir storage and streamflow data presented in this supplement. Data published in this supplement are provisional and subject to revision. Snow course measurement data for the entire season will be summarized in the fall report to be published in mid-October. At 5-year intervals, all snow course measurements are compiled in summary form and published in Bulletin 129, "Snow Survey Measurements".

Allied and supplementary hydrologic information is available in the Bulletin 130 series. Information on this and other publications by the Department of Water Resources may be obtained by writing to:

State of California
Office of Procurement, Documents Section
P. O. Box 1612
Sacramento, California 95807

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COVER

Many cooperating agencies are placing data collecting instruments in the higher elevations in order to gain additional information for water supply forecasting purposes. Here, a temperature recorder is being installed at Tyndall Creek, elevation 11,000 feet, in the Upper Kern River watershed.

AGENCIES COOPERATING IN THE CALIFORNIA SNOW SURVEY PROGRAM

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

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 OF PORTERVILLE
- CITY AND COUNTY OF SAN FRANCISCO - PUBLIC UTILITIES COMMISSION

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
- KINGS RIVER WATER ASSOCIATION
- 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
- PLACER COUNTY WATER AGENCY
- PORTERVILLE IRRIGATION DISTRICT
- SACRAMENTO MUNICIPAL UTILITY DISTRICT
- SAUCELITO IRRIGATION DISTRICT
- SOUTH SAN JOAQUIN IRRIGATION DISTRICT
- ST. JOHNS RIVER ASSOCIATION
- TULE RIVER ASSOCIATION
- TURLOCK IRRIGATION DISTRICT
- VANDALIA IRRIGATION DISTRICT

PRIVATE ORGANIZATIONS

- ATMOSPHERICS INCORPORATED
- ATMOSPHERIC WATER RESOURCES RESEARCH
- J. G. BOSWELL COMPANY
- KERN COUNTY LAND COMPANY
- LIBERTY FARMS COMPANY
- MT. REBA INCORPORATED
- UNION CARBIDE CORPORATION

OTHER COOPERATIVE PROGRAMS

- NEVADA COOPERATIVE SNOW SURVEYS
- OREGON COOPERATIVE SNOW SURVEYS

TABLE 1

PRECIPITATION DATA

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) MARCH 1971 AVERAGE	MARCH 1971 TOTAL FOR MONTH	MARCH 1971 PERCENT OF AVERAGE	OCT 1, 1970 - MAR 31, 1971 AVERAGE	OCT 1, 1970 - MAR 31, 1971 TOTAL FOR SEASON	OCT 1, 1970 - MAR 31, 1971 PERCENT OF AVERAGE	AVERAGE WATER YEAR
NORTH COASTAL AREA									
SMITH RIVER									
GASQUET RS	384	NWS	10.37	21.55	208	77.47	100.08	129	92.18
CRESCENT CITY 11E	360	DWR	13.16	21.85	166	83.69	117.39	140	101.75
BROOKINGS, OREGON	80	NWS	9.82	13.70	140	64.22	76.75	120	79.50
CRESCENT CITY 1N	40	NWS	9.00	13.07	145	58.00	66.84	115	72.77
KLAMATH RIVER									
KLAMATH FALLS 2SSW, OREGON	4098	USBR	1.08	2.87	266	9.81	13.69	140	13.77
TULELAKE	4035	NWS	0.90	2.18	242	6.51	7.37	113	10.37
CALLAHAN RS	3136	NWS	2.00	-	-	16.10	-	-	13.79
MONTAGUE	2500	DWR	1.07	3.29	307	9.02	13.86	154	12.44
YREKA	2625	NWS	1.53	4.19	274	14.03	20.83	148	17.97
HAPPY CAMP RS	1090	NWS	6.35	12.12	191	47.68	63.67	134	54.63
ORLEANS	403	NWS	6.15	11.95	194	43.71	63.62	146	51.17
ORICK ARCATA REDWOOD CO	75	DWR	8.48	12.93	152	54.20	65.29	120	65.57
TRINITY RIVER									
COFFEE CREEK RS	2500	NWS	4.62	10.50	227	42.43	51.23	121	53.06
BURNT RANCH 1S	2150	NWS	5.23	10.53	201	36.59	54.08	148	42.41
WEAVERVILLE RS	2050	NWS	3.95	8.81	223	31.27	44.72	143	36.83
BIG BAR RS	1260	NWS	3.95	9.82	249	31.57	45.47	144	36.74
EEL RIVER									
MAD RIVER RS	2775	NWS	7.84	12.47	159	51.08	63.61	125	58.98
OLD HARRIS	2225	DWR	8.40	16.45	196	61.32	72.95	119	70.54
HONOR CAMP NO 42	1875	DWR	9.16	19.42	212	63.21	86.25	140	74.13
COVELO	1385	NWS	5.26	10.30	196	35.27	47.76	135	39.90
STANDISH-HICKEY STATE PARK	850	NWS	9.24	18.56	201	64.88	85.13	131	73.87
HONEYDEW 2WSW	375	NWS	14.67	19.50	133	96.36	106.18	110	109.63
UPPER MATTOLE	255	NWS	10.08	13.40	133	68.78	80.03	116	79.02
BLUE LAKE	105	DWR	5.87	12.59	214	39.70	54.92	138	46.63
SCOTIA	139	NWS	6.31	7.76	123	41.69	48.28	116	48.13
FORT BRAGG	80	NWS	5.00	8.35	167	32.85	41.34	126	38.35
EUREKA NWS CITY	43	NWS	5.12	7.91	154	31.79	42.40	133	38.22
RUSSIAN RIVER									
CAZADERO	1040	NWS	9.20	7.30	79	64.52	63.43	98	73.88
POTTER VALLEY PH	1014	PG&E	5.20	9.09	175	38.69	48.11	124	44.27
UKIAH	623	NWS	4.41	7.21	163	32.45	36.46	112	36.73
BOONVILLE MAINT STATION	342	NWS	4.55	7.82	172	33.24	37.14	112	37.70
SANTA ROSA	167	NWS	3.81	4.05	106	25.59	29.36	115	29.47
FORT ROSS	116	NWS	4.85	5.78	119	33.15	37.62	113	38.69
HEALDSBURG	102	NWS	4.77	6.00	126	36.10	37.88	105	40.81
SAN FRANCISCO BAY AREA									
MOUNT HAMILTON	4206	NWS	3.55	3.17	89	21.67	15.65	72	25.08
GERBER RANCH	2140	NWS	2.33	2.17	93	15.79	14.57	92	18.01
ANGWIN PAC UNION COLLEGE	1815	NWS	4.73	4.46	94	34.14	37.89	111	38.61
LAGUNITAS LAKE	785	MMWD	6.64	7.90	119	43.62	45.69	105	49.38
LIVERMORE CO F D	490	NWS	1.91	1.75	92	12.37	14.19	115	14.23
SAN JOSE	70	CSJ	1.97	1.56	79	11.60	13.47	116	13.36
NAPA STATE HOSPITAL	60	NWS	3.18	3.57	112	21.03	22.76	108	23.95
SAN FRANCISCO FCB	52	NWS	2.82	2.91	103	18.00	17.88	99	20.40
REDWOOD CITY	31	NWS	2.54	2.19	86	17.15	18.62	109	19.30
OAKLAND NWS AP	3	NWS	2.37	2.59	109	15.68	18.31	117	18.01
CENTRAL COASTAL AREA									
SALINAS RIVER									
PRIEST VALLEY	2300	NWS	3.00	1.33	44	17.43	14.19	81	19.95
PASO ROBLES	700	NWS	2.05	0.85	41	11.99	9.48	79	13.63
SAN ARDO	435	NWS	1.94	0.55	28	11.26	8.14	72	12.15
KING CITY	320	NWS	1.57	0.62	39	9.13	8.41	92	10.40
SAN LUIS OBISPO POLY	300	NWS	3.06	0.73	24	19.27	17.68	92	21.95
BIG SUR STATE PARK	235	NWS	5.55	3.93	71	35.92	31.82	89	40.88
SALINAS FAA AP	75	NWS	2.01	0.93	46	11.79	10.79	92	13.72
PT PIEDRAS BLANCAS	59	NWS	2.73	1.16	42	17.28	16.24	94	19.58
PAJARO RIVER									
HOLLISTER 1SW	279	NWS	1.86	1.22	66	11.37	11.99	105	13.12
SANTA CRUZ	125	NWS	4.10	2.45	60	26.88	24.89	93	30.50
WATSONVILLE WATER WORKS	95	NWS	2.97	2.21	74	18.55	17.39	94	21.11
SANTA MARIA AND SANTA YNEZ R									
CACHUMA DAM	781	NWS	3.08	0.37	12	16.60	13.46	81	18.62
LOS ALAMOS	565	NWS	2.44	0.66	27	12.89	9.09	71	14.89
SANTA MARIA NWS AP	238	NWS	1.96	0.35	18	11.16	7.42	67	12.88
SANTA BARBARA	100	NWS	2.59	0.62	32	15.45	12.17	79	17.51
SOUTH COASTAL AREA									
COASTAL PLAIN									
LOS ANGELES NWS CITY	312	NWS	2.17	0.53	24	12.99	11.60	89	14.72
SANTA ANA FS	115	NWS	2.00	0.27	13	12.04	7.41	62	13.78

TABLE 1 - PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) MARCH 1971 AVERAGE	MARCH 1971 TOTAL FOR MONTH	MARCH 1971 PERCENT OF AVERAGE	OCT 1, 1970 - MAR 31, 1971 AVERAGE	OCT 1, 1970 - MAR 31, 1971 TOTAL FOR SEASON	OCT 1, 1970 - MAR 31, 1971 PERCENT OF AVERAGE	AVERAGE WATER YEAR
COASTAL PLAIN (CONTINUED)									
LOS ANGELES NWS AP	97	NWS	1.70	0.23	14	10.86	9.18	85	12.25
LAGUNA BEACH	56	NWS	1.77	0.26	15	10.46	7.18	69	12.13
VENTURA	45	NWS	2.20	1.25	57	12.35	13.48	109	13.82
LONG BEACH AP	34	NWS	1.72	0.23	13	11.40	8.62	76	12.78
SAN DIEGO NWS AP	19	NWS	1.45	0.20	14	8.67	6.11	70	9.89
SANTA CLARA RIVER									
MINT CANYON - THE OAKS	2350	LACFCD	1.93	0.69	36	11.15	10.07	90	13.02
SAUGUS PP NO 1	2105	NWS	2.66	1.05	39	15.37	13.02	85	17.93
DRY CANYON RESERVOIR	1515	NWS	1.91	0.67	35	10.94	12.00	110	12.76
SANTA PAULA	263	NWS	2.69	0.78	29	15.41	17.45	113	17.31
LOS ANGELES RIVER									
HAINES CANYON UPPER	3450	LACFCD	3.89	1.45	37	24.40	23.99	98	28.30
BIG TUJUNGA DAM	2315	LACFCD	3.82	1.04	27	23.51	20.52	87	26.79
ARROYO SECO RS	1220	LACFCD	3.14	1.02	32	19.44	16.64	86	22.38
BURBANK VALLEY PP	655	NWS	2.05	0.24	12	12.78	14.30	112	14.56
SAN GABRIEL RIVER									
MT WILSON	5709	NWS	4.70	-	-	28.58	-	-	32.83
SAN DIMAS TANBARK FLAT	2745	LACFCD	3.58	1.31	37	20.16	17.85	89	23.25
HOEGEES	2650	LACFCD	5.19	2.24	43	32.86	27.82	85	37.91
HENNINGER FLATS	2550	LACFCD	3.77	1.30	34	22.36	20.30	91	26.36
SAN GABRIEL DAM CAMP	1500	LACFCD	3.84	1.38	36	23.66	18.44	78	26.79
SAN DIMAS DAM	1350	LACFCD	3.48	1.26	36	18.63	14.97	80	21.65
CLAREMONT POMONA COLLEGE	1201	NWS	2.71	1.20	44	15.15	11.03	73	17.43
SANTA ANA RIVER									
BIG BEAR LAKE	6745	NWS	5.11	-	-	28.65	-	-	34.97
SQUIRREL INN NO 2	5680	NWS	6.12	0.67	11	34.58	26.42	76	40.74
MT BALDY G S FC85G	4275	NWS	4.63	1.13	24	28.80	20.67	72	33.45
LYTLE CREEK RS	2760	NWS	5.45	2.02	37	30.62	21.18	69	35.03
ELSINORE	1285	NWS	1.75	0.14	8	10.02	9.08	91	11.40
SAN BERNARDINO CO HOSPITAL	1125	NWS	2.49	1.11	45	14.36	9.83	68	16.96
SAN DIEGO COUNTY									
CUYAMACA	4650	NWS	5.99	1.19	20	28.83	21.41	74	35.48
JULIAN WYNOLA	3650	NWS	4.48	0.95	21	22.12	14.78	67	27.47
WARNER SPRINGS	3180	NWS	2.27	-	-	12.22	-	-	15.73
CAMPO	2630	NWS	2.30	0.40	17	12.43	6.80	55	15.48
BARRETT DAM	1623	CSD	2.70	0.50	19	13.96	9.62	69	16.70
EL CAPITAN DAM	600	NWS	2.54	0.42	17	12.64	9.72	77	15.05
CENTRAL VALLEY AREA									
SACRAMENTO VALLEY FLOOR									
FRENCH GULCH	1100	NWS	4.41	5.43	123	32.00	36.06	113	38.16
REDDING FS NO 2	577	NWS	4.61	4.05	88	32.37	39.43	122	38.77
ONO	980	NWS	4.44	5.93	134	29.75	34.09	115	35.54
VOLTA PH	2200	PG&E	3.95	4.65	118	25.88	33.15	128	32.94
HARRISON GULCH RS	2710	NWS	4.20	7.00	167	29.54	34.13	116	34.95
HUNTER DIST GRAVES RCH	770	NWS	3.23	-	-	18.67	-	-	23.51
MINERAL	4911	NWS	6.28	11.60	185	42.76	50.61	118	51.91
RED BLUFF NWS AP	341	NWS	2.52	2.20	87	18.00	20.88	116	21.68
CENTERVILLE PH	522	NWS	5.62	6.01	107	36.96	35.93	97	43.22
PASKENTA RS	755	NWS	3.00	4.09	136	18.89	21.85	116	22.49
ORLAND	254	NWS	2.25	2.44	108	16.20	16.48	102	19.15
CHICO EXP STATION	205	NWS	3.19	0.32	10	22.06	17.58	80	26.14
STONY GORGE RESERVOIR	791	NWS	2.16	2.34	108	16.41	17.18	105	19.23
WILLOWS	140	NWS	2.02	1.35	67	14.92	12.37	83	17.47
OROVILLE BRIDGE	165	NWS	3.73	3.79	102	23.67	21.63	91	27.76
EAST PARK RESERVOIR	1205	NWS	2.10	2.48	118	16.40	17.34	106	18.96
STONYFORD COOLEY RANCH	3015	NWS	6.40	9.42	147	45.24	53.62	119	51.74
COLUSA 1SSW	60	NWS	1.93	1.14	59	13.46	12.69	94	15.68
MARYSVILLE	60	NWS	2.58	3.05	118	17.47	16.92	97	20.38
LAKEPORT	1343	NWS	3.28	5.66	173	25.36	30.98	122	28.86
LEESVILLE KEEGAN RANCH	1330	NWS	2.88	3.54	123	19.94	19.83	99	22.45
NICOLAUS NO 2	47	NWS	2.28	2.82	124	15.07	15.90	106	17.63
DUNNIGAN-POWERS RANCH	104	DWR	1.97	1.32	67	14.29	12.27	86	16.29
COBB	2520	DWR	7.77	12.58	162	58.14	65.22	112	65.63
ROCKLIN	239	NWS	3.30	3.28	99	19.63	20.03	102	22.81
CITRUS HEIGHTS	138	DWR	3.32	3.01	91	19.81	19.42	98	23.04
CAPAY 4W	300	DWR	2.98	-	-	19.88	-	-	22.35
WOODLAND 1WNW	69	NWS	2.12	-	-	14.67	-	-	16.83
SACRAMENTO NWS CITY	25	NWS	2.33	2.20	94	15.28	15.75	103	17.72
DAVIS 2WSW	60	NWS	2.06	-	-	14.54	-	-	16.67
WINTERS	135	NWS	2.46	2.09	85	16.64	17.78	107	18.65

TABLE 1 - PRECIPITATION DATA (CONTINUED)

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SAN JOAQUIN VALLEY FLOOR									
CAMP PARDEE	658	NWS	3.19	4.20	132	17.46	19.60	112	20.72
GALT	47	DWR	2.41	2.19	91	14.21	15.48	109	16.51
WALLACE 1SE	214	NWS	3.13	3.45	110	16.71	17.93	107	19.63
RIO VISTA	22	NWS	2.21	1.23	56	14.03	12.77	91	16.13
LODI	40	NWS	2.32	2.02	87	13.92	14.40	103	16.21
ANTIOCH FIBREBOARD MILL	28	NWS	1.79	1.79	100	11.44	12.07	106	13.17
STOCKTON FS NO 4	11	NWS	2.05	1.84	90	12.37	13.60	110	14.40
OAKDALE	155	NWS	2.22	1.75	79	11.93	12.90	108	14.21
KNIGHTS FERRY 2SE	315	NWS	2.12	-	-	11.68	-	-	14.05
TRACY CARBONA	140	NWS	1.32	0.93	70	7.95	9.68	122	9.38
MODESTO	91	NWS	1.74	1.56	90	10.02	11.22	112	11.96
DENAIR 3NNE	137	NWS	1.87	1.36	73	10.33	10.29	100	12.32
NEWMAN 2NW	108	NWS	1.44	0.86	60	8.88	11.16	126	10.44
MERCED FS NO 2	169	NWS	1.77	0.92	52	10.26	7.13	70	12.14
LOS BANOS	125	NWS	1.23	0.59	48	7.49	6.05	81	8.84
DELTA RANCH	90	DWR	1.21	0.70	58	7.13	7.72	108	8.69
FRIANT GOVERNMENT CAMP	410	NWS	2.54	1.08	43	12.50	9.39	75	14.37
MADERA	268	NWS	1.61	1.01	63	8.96	6.74	75	10.81
MENDOTA DAM	166	NWS	1.13	0.49	43	6.41	4.87	76	7.65
FRESNO NWS AP	331	NWS	1.85	0.58	31	9.39	6.35	68	11.01
ORANGE COVE	431	NWS	1.92	0.89	46	11.07	7.50	68	13.06
PANOCHE	1265	NWS	1.09	0.49	45	7.18	6.00	84	8.38
LEMON COVE	513	NWS	1.96	0.72	37	11.52	10.04	87	13.94
VISALIA	354	NWS	1.47	0.27	18	8.38	6.88	82	9.95
HANFORD	242	NWS	1.25	0.23	18	6.89	4.40	64	8.06
LINDSAY	395	NWS	1.73	0.50	29	9.59	8.31	87	11.57
COALINGA	671	NWS	1.01	0.13	13	6.36	4.31	68	7.40
PORTERVILLE	393	NWS	1.75	0.55	31	9.17	7.90	86	11.01
ANGIOLA	205	NWS	1.15	0.40	35	6.27	5.42	86	7.53
WASCO	333	NWS	1.02	0.22	22	5.31	3.94	74	6.52
SOUTH BELRIDGE	575	DWR	0.72	0.10	14	4.17	2.85	68	5.12
BAKERSFIELD NWS AP	494	NWS	0.95	0.42	44	4.91	3.62	74	6.09
TEHACHAPI	3975	NWS	1.56	0.69	44	8.75	10.15	116	11.05
TEJON RANCHO	1425	NWS	1.87	0.98	52	9.25	8.86	96	11.71
PATTIWAY	3868	NWS	1.49	0.20	13	7.85	5.71	73	9.60
UPPER SACRAMENTO, PIT, AND MCCLOUD RIVERS									
JESS VALLEY	5290	NWS	1.77	2.47	140	10.50	12.43	118	17.24
ALTURAS RS	4365	NWS	1.40	3.34	239	8.53	10.97	129	12.96
MOUNT SHASTA NWS CITY	3544	NWS	4.24	4.88	115	29.38	28.35	96	36.47
MCCLOUD	3300	NWS	5.91	8.31	141	41.29	48.16	117	50.31
HAT CREEK PH NO 1	3015	PG&E	2.02	4.53	224	14.00	18.24	130	18.28
DUNSMUIR RS	2420	NWS	7.65	7.16	94	47.96	54.58	114	57.72
PIT RIVER PH NO 5	1458	PG&E	9.23	12.05	131	62.22	81.10	130	75.34
VOLLMERS	1359	NWS	8.69	-	-	56.02	-	-	66.44
SHASTA DAM	1076	NWS	7.27	10.66	147	49.01	64.97	133	58.16
FEATHER RIVER									
SIERRAVILLE RS	4975	NWS	2.76	6.55	237	21.61	27.48	127	26.03
VINTON	4945	DWR	1.38	2.77	201	9.95	10.63	107	13.28
PORTOLA	4838	NWS	2.48	2.67	108	16.90	21.24	126	20.94
CANYON DAM	4555	NWS	4.98	9.43	189	32.58	39.30	121	38.84
CHESTER	4525	NWS	3.99	6.91	173	26.94	31.40	117	32.65
BRUSH CREEK RS	3560	NWS	9.17	14.06	153	60.66	68.08	112	70.80
QUINCY	3409	NWS	5.18	10.58	204	34.06	40.93	120	40.61
CARIBOU PH	2986	PG&E	5.45	8.52	156	34.34	38.47	112	40.72
LAKE WILENOR	2040	DWR	6.99	8.64	124	42.99	48.75	113	50.83
BUCKS CREEK PH (STORRIE)	1760	PG&E	8.61	13.73	159	55.25	58.73	106	65.17
YUBA RIVER									
SODA SPRINGS 1E	6885	NWS	9.03	11.29	125	53.59	59.98	112	64.90
BOWMAN DAM	5347	NWS	9.35	12.28	131	55.85	62.12	111	66.88
LAKE SPAULDING	5156	NWS	9.13	10.80	118	55.87	62.60	112	67.09
DEER CREEK PH	3700	NWS	9.45	12.36	131	58.23	62.66	108	68.38
DOWNIEVILLE RS	2895	NWS	8.27	13.37	162	51.90	59.11	114	61.81
CAMPTONVILLE RS	2755	NWS	7.85	9.45	120	50.18	52.96	106	59.12
GRASS VALLEY	2400	NWS	7.91	8.75	111	46.67	46.26	99	54.69
NEVADA CITY	2600	NWS	7.49	8.45	113	45.78	48.93	107	53.63
INDIAN ROCK	2240	DWR	9.90	11.38	115	56.76	62.36	110	68.98
DOBBINS COLGATE FOREBAY	1550	NWS	5.56	8.97	161	34.54	46.18	134	40.68
COLGATE PH	585	PG&E	5.44	7.15	131	33.92	34.29	101	39.88
NORTH SAN JUAN	2081	DWR	6.60	8.73	132	40.59	44.45	110	47.81

TABLE 1 - PRECIPITATION DATA (CONTINUED)

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CENTRAL VALLEY AREA (CONTINUED)									
AMERICAN RIVER									
TWIN LAKES	7829	PG&E	6.98	5.98	86	38.97	44.35	114	48.63
BIG BEND RS	5739	NWS	9.33	10.01	107	57.45	64.55	112	68.97
BLUE CANYON NWS AP	5280	NWS	8.28	11.40	138	52.27	60.50	116	61.95
SLY PARK	3530	NWS	7.31	7.88	108	41.70	43.63	105	49.50
PACIFIC HOUSE	3440	NWS	7.59	8.58	113	42.86	45.80	107	50.51
GEORGETOWN RS	3001	NWS	7.81	9.38	120	45.89	48.97	107	53.69
COLFAX	2418	NWS	6.73	9.01	134	40.21	50.43	125	47.20
PLACERVILLE	1890	NWS	5.79	5.58	96	33.28	34.57	104	39.31
AUBURN	1297	NWS	5.03	5.51	110	29.76	34.25	115	34.80
FOLSOM DAM	350	NWS	3.39	3.36	99	20.17	20.46	101	23.50
MOKELUMNE RIVER									
SALT SPRINGS PH	3700	PG&E	6.10	6.55	107	36.20	37.80	104	44.13
WEST POINT 3 SW	2365	NWS	5.73	5.00	87	31.27	28.35	91	37.06
TIGER CREEK PH	2355	PG&E	6.63	6.45	97	38.37	40.33	105	45.72
FIDDLETOWN LYNCH RANCH	2140	NWS	5.30	6.22	117	29.75	33.81	114	34.60
ELECTRA PH	715	PG&E	4.44	4.77	107	25.07	25.39	101	29.79
STANISLAUS RIVER									
PINECREST STRAWBERRY	5620	PG&E	5.83	5.43	93	34.20	37.86	111	42.17
SPRING GAP FOREBAY	4875	PG&E	5.57	6.15	110	34.19	31.71	93	41.60
CALAVERAS BIG TREES	4696	NWS	7.91	6.24	79	45.70	46.15	101	54.13
TUOLUMNE RIVER									
LAKE ELEANOR	4662	NWS	5.81	3.62	62	35.26	29.01	82	42.26
HETCH HETCHY	3870	NWS	4.78	4.39	92	28.15	25.64	91	35.00
SONORA RS	1749	NWS	4.85	3.80	78	27.08	23.65	87	31.95
MERCED RIVER									
YOSEMITE NP	3985	NWS	4.95	3.98	80	30.61	29.00	95	36.90
DUDLEYS	3000	NWS	5.61	4.14	74	32.50	27.12	83	38.12
MARIPOSA	2011	NWS	4.39	4.77	109	25.68	20.27	79	29.90
EXCHEQUER RESERVOIR	484	NWS	3.09	1.67	54	16.08	11.91	74	19.05
UPPER SAN JOAQUIN RIVER									
FLORENCE LAKE	7345	SCEC	3.04	1.50	49	18.20	17.30	95	23.90
HUNTINGTON LAKE	7020	SCEC	4.30	3.57	83	26.52	26.06	98	32.86
CRANE VALLEY PH	3440	PG&E	5.92	4.01	68	34.17	26.51	78	40.40
NORTH FORK RS	2630	NWS	5.01	2.91	58	28.42	24.26	85	33.74
KINGS RIVER									
GRANT GROVE	6580	NWS	7.82	2.59	33	37.76	27.08	72	44.36
BALCH PH	1720	NWS	4.17	1.97	47	23.75	18.71	79	28.61
PINE FLAT DAM	615	USCE	2.98	1.62	54	16.47	11.91	72	19.35
KAWEAH RIVER									
LODGEPOLE	6735	NWS	6.60	2.59	39	37.30	26.17	70	44.88
ASH MOUNTAIN	1708	NWS	4.07	1.53	38	21.73	16.88	78	26.51
THREE RIVERS EDISON PH NO 2	950	NWS	3.16	1.37	43	17.70	14.29	81	21.43
TULE RIVER									
TULE RIVER INTAKE	2450	SCEC	4.74	1.45	31	23.73	17.85	75	27.55
KERN RIVER									
KERN RIVER INTAKE NO 3	3650	SCEC	2.60	0.84	32	15.73	11.74	75	18.12
GLENNVILLE	3140	NWS	2.95	0.97	33	14.68	12.80	87	18.10
KERN RIVER PH NO 3	2703	SCEC	1.72	0.63	37	10.12	7.56	75	11.75
WOFFORD HEIGHTS	2700	NWS	1.44	0.42	29	9.27	8.31	90	10.64
LAHONTAN AREA									
SURPRISE VALLEY									
CEDARVILLE	4670	NWS	1.31	3.74	285	8.88	13.75	155	12.75
FORT BIDWELL	4498	NWS	1.50	4.87	325	10.69	18.38	172	14.81
MADELINE PLAINS-HONEY LAKE									
RAVENDALE JIM MARR RANCH	5540	DWR	0.77	-	-	5.79	-	-	8.57
SUSANVILLE COURTHOUSE	4325	DWR	1.78	-	-	13.90	-	-	17.27
DOYLE	4240	NWS	0.92	2.66	289	8.02	9.17	114	10.44
SUSANVILLE AP	4148	NWS	1.44	3.90	271	11.88	14.60	123	14.80
WENDEL 1E	4040	DWR	0.71	1.44	203	5.88	6.36	108	7.93
TRUCKEE AND TAHOE BASIN									
TAHOE CITY	6230	NWS	3.94	6.18	157	26.96	26.74	99	32.01
TRUCKEE RS	5995	NWS	4.02	1.08	27	26.47	22.57	85	31.95
CARSON RIVER									
WOODFORDS	5671	NWS	2.40	4.27	178	16.22	18.92	117	21.53
WALKER RIVER									
BRIDGEPORT	6470	NWS	0.80	1.00	125	6.75	6.39	95	9.25
MONO BASIN									
ELLERY LAKE	9600	SCEC	2.82	2.56	91	18.78	19.50	104	24.30
GEM LAKE	8970	SCEC	2.44	1.22	50	16.30	14.98	92	20.95
MONO LAKE	6450	NWS	2.12	1.34	63	13.56	9.40	69	16.53

TABLE 1 - PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) MARCH 1971 AVERAGE	MARCH 1971 TOTAL FOR MONTH	MARCH 1971 PERCENT OF AVERAGE	OCT 1, 1970 - MAR 31, 1971 AVERAGE	OCT 1, 1970 - MAR 31, 1971 TOTAL FOR SEASON	OCT 1, 1970 - MAR 31, 1971 PERCENT OF AVERAGE	AVERAGE WATER YEAR
LAHONTAN AREA (CONTINUED)									
OWENS RIVER									
WHITE MOUNTAIN NO 2	1247	NWS	1.54	0.40	26	11.16	6.31	57	15.37
SOUTH LAKE	9580	SCEC	2.10	0.76	36	13.64	10.86	80	16.12
LAKE SABRINA	9065	SCEC	1.94	0.90	46	12.78	7.64	60	17.04
CROOKED CREEK	6700	LADWP	1.10	0.74	67	8.03	6.28	78	10.20
BIG PINES PH NO 3	4680	LADWP	0.73	0.43	59	7.38	5.08	69	8.72
BISHOP NWS AP	4108	NWS	0.47	0.27	57	4.63	2.25	49	5.84
INDEPENDENCE	3950	NWS	0.32	0.00	0	4.28	2.91	68	5.28
LA AQUEDUCT AT INTAKE	3841	LADWP	0.36	-	-	4.66	-	-	5.64
BAIWEE	3825	NWS	0.62	1.04	168	4.83	4.94	102	6.17
COTTONWOOD GATES	3710	LADWP	0.58	0.00	0	5.16	2.93	57	6.44
DEATH VALLEY									
DEATH VALLEY	-194	NWS	0.15	0.02	13	1.16	1.02	88	1.77
MOJAVE DESERT									
BIG PINES PARK	6860	LACFCD	3.43	0.85	25	21.37	15.23	71	25.47
FAIRMONT	3060	NWS	2.13	0.00	0	13.15	13.55	103	15.15
PALMDALE FAA AP	2517	NWS	1.17	0.00	0	6.83	4.43	65	7.96
INYOKERN	2440	NWS	0.46	0.00	0	3.00	2.60	87	4.12
DAGGETT FAA AP	1922	NWS	0.53	0.00	0	3.05	0.25	8	4.37
BAKER 9NNW	1045	NWS	0.39	0.00	0	2.43	0.57	24	3.68
COLORADO DESERT AREA									
TWENTYNINE PALMS	1975	NWS	0.29	0.00	0	2.28	0.12	5	3.89
IRON MOUNTAIN	922	NWS	0.27	0.00	0	1.94	0.32	17	3.08
NEEDLES FAA AP	913	NWS	0.36	0.00	0	2.70	0.43	16	4.38
BLYTHE FAA AP	390	NWS	0.35	0.00	0	2.22	0.03	2	3.71
YUMA, ARIZONA NWS AP	199	NWS	0.17	0.00	0	1.31	0.12	10	2.31
IMPERIAL	-64	NWS	0.18	0.00	0	1.78	0.22	13	2.70

(1) NWS - NATIONAL WEATHER SERVICE. LACFCD - LOS ANGELES COUNTY FLOOD CONTROL DISTRICT. DWR - CALIFORNIA DEPARTMENT OF WATER RESOURCES. PG&E - PACIFIC GAS AND ELECTRIC COMPANY. SCEC - SOUTHERN CALIFORNIA EDISON COMPANY. LADWP - LOS ANGELES DEPARTMENT OF WATER AND POWER. MMWD - MARIN MUNICIPAL WATER DISTRICT. CSJ - CITY OF SAN JOSE. USBR - UNITED STATES BUREAU OF RECLAMATION. CSD - CITY OF SAN DIEGO. USCE - UNITED STATES ARMY CORPS OF ENGINEERS.

(2) MONTHLY AND SEASONAL TOTALS IN INCHES. AVERAGES IN INCHES ARE BASED ON THE 40-YEAR PERIOD, 1930-31 THROUGH 1969-70.

TABLE 2

SNOW COURSE DATA

AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	IN PERCENT OF APR 1 AVG.	APRIL 1 AVG (2) INCHES	ONE YEAR AGO IN INCHES
NORTH COASTAL AREA									
SHASTA RIVER									
PARKS CREEK	1	6700	3-29-71	114.3	42	48.2	140	34.4	39.2
LITTLE SHASTA	2	6200	4- 1-71	69.8	38	26.2	131	20.0	16.2
SWEETWATER	3	5850	3-29-71	49.0	41	20.1	144	14.0	5.1
SCOTT RIVER									
MIDDLE BOULDER 1	5	6600	3-31-71	70.7	43	30.3	99	30.7	31.8
MIDDLE BOULDER 3	311	6200	3-31-71	61.7	42	25.8	97	26.5	23.9
ETNA MOUNTAIN	4	5900	4- 1-71	116.6	44	50.9	148	34.3	24.2
MARBLE VALLEY	278	5900	3-30-71	98.2	37	36.3	80	45.4	33.7
DYNAMITE MEADOW	298	5700	3-31-71	53.6	39	21.0	121	17.3	13.9
SWAMPY JOHN	285	5500	4- 1-71	137.2	42	57.6	153	37.6	27.8
TRINITY RIVER									
DEADFALL LAKES	9	7200	3-29-71	80.4	43	34.6	108	32.1	33.7
RED ROCK MOUNTAINN	10	6700	3-31-71	124.5	40	49.7	117	42.6	25.7
BEAR BASIN	11	6500	3-31-71	84.8	43	36.5	97	37.6	20.7
WOLFORD CABIN	13	6400	3-31-71	101.1	40	40.7	119	34.1	35.6
SHIMMY LAKE	12	6200	3-31-71	139.3	53	74.3	157	47.3	53.6
HIGHLAND LAKES	16	6000	3-25-71	90.6	43	38.7	120	32.3	27.3
MUMBO BASIN	15	5700	3-26-71	91.1	40	36.3	144	25.2	16.3
WHALAN	14	5400	3-26-71	77.0	42	32.3	161	20.1	9.1
BIG FLAT	17	5100	3-31-71	51.9	38	19.7	129	15.3	4.3
EEL RIVER									
PLASKETT MEADOWS	63	6000	3-30-71	54.3	48	26.2	141	18.6	0.0
SOUTH COASTAL AREA									
PIRU CREEK									
MOUNT PINOS	310	8600		NO SURVEY MADE				7.3	(4)
SANTA ANA RIVER									
CHRISTMAS TREE HILL	351	8500	4- 1-71	22.1	48	10.5	71	14.7	11.5
UPPER THUNDER MOUNTAIN	300	8500	3-30-71	53.0	51	27.0	153	17.7	13.8
LOWER THUNDER MOUNTAIN	301	7500	3-30-71	8.6	51	4.4	61	7.2	3.8
SAN YGA	352	7500	4- 1-71	0.0	-	0.0	0	3.3	0.0
MANKER FLAT	302	6500	3-31-71	0.0	-	0.0	0	1.0	0.0
ICE HOUSE 4	303	5800	3-31-71	0.0	-	0.0	0	1.0	0.0
SAN GABRIEL RIVER									
DEER FLATS	356	6800	4- 1-71	0.0	-	0.0	0	2.9	0.0
SAN JACINTO RIVER									
CINCO POSES	293	7500		NO SURVEY MADE				4.2	1.7
MARION MOUNTAIN	294	6700		NO SURVEY MADE				2.4	0.8
THOMAS MOUNTAIN	295	6600	0-10-71	0.0	-	0.0	0	1.6	0.0
COTTONWOOD CREEK									
LITTLE LAGUNA MEADOW	274	5500		NO SURVEY MADE				1.5	(4)
CENTRAL VALLEY AREA									
SACRAMENTO RIVER									
MOUNT SHASTA	18	7900	3-30-71	137.7	44	60.4	121	49.8	57.8
NORTH FORK SACRAMENTO	20	6900	3-29-71	58.9	37	21.8	94	23.2	19.4
SAND FLAT	19	6800	3-30-71	117.0	42	49.6	120	41.5	44.9
GRAY ROCK LAKES	21	6200	3-31-71	117.3	47	55.4	125	44.4	43.4
SLATE CREEK	22	5600	3-25-71	87.9	45	39.6	142	27.8	11.9
MCCLOUD RIVER									
BREWER CREEK	23	6250	4- 1-71	93.0	45	41.4	119	34.7	22.5
BUCK MOUNTAIN	24	5550	4- 2-71	82.9	41	33.6	123	27.3	20.5
STOUTS MEADOW	25	5400	3-30-71	115.2	49	56.3	136	41.3	17.7
ASH CREEK	26	5000	4- 1-71	61.8	45	27.8	136	20.5	0.0
DEAD HORSE CANYON	27	4500	3-29-71	64.1	51	32.5	246	13.2	0.0
PIT RIVER									
BLUE LAKE RANCH	28	7300	4- 3-71	28.4	39	11.0	109	10.1	7.6
EAGLE PEAK	29	7200	4- 2-71	45.7	36	16.4	106	15.5	14.0
CEDAR PASS	30	7100	4- 4-71	53.6	40	21.2	128	16.6	14.2
BLACKS MOUNTAIN	31	6700	3-29-71	25.7	43	11.0	124	8.9	5.2
MEDICINE LAKE	32	6700	4- 5-71	91.4	44	40.3	128	31.5	33.2
THOUSAND LAKES	33	6500	3-30-71	113.3	45	50.7	139	36.4	36.2
ADIN MOUNTAINS	35	6350	4- 1-71	46.9	39	18.1	135	13.4	10.9
NEW MANZANITA LAKE	343	5900	3-31-71	17.9	44	7.8	105	7.4	0.0
MCELROY PASS	37	5300	3-30-71	0.0	-	0.0	0	1.8	0.0
BURNEY SPRINGS	41	4700	3-30-71	14.5	36	5.2	208	2.5	0.0
FEATHER RIVER									
UPPER LASSEN PEAK	336	8500		NO SURVEY MADE				79.9	100.0

TABLE 2 - SNOW COURSE DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	IN PERCENT OF APR 1 AVG.	APRIL 1 AVG (2) INCHES	ONE YEAR AGO IN INCHES
FEATHER RIVER (CONTINUED)									
LOWER LASSEN PEAK	47	8250	3-29-71	202.5	47	95.0	119	79.8	99.0
KETTLE ROCK	361	7300	4- 5-71	73.8	45	33.2	148	22.5	19.8
MOUNT DYER 1	48	7100	4- 1-71	79.5	41	32.2	129	24.9	23.6
GRIZZLY	359	6900	3-29-71	104.3	41	42.9	127	33.8	25.3
EUREKA BOWL	279	6800	3-30-71	131.4	49	64.1	153	41.8	34.1
CHURCH MEADOWS	75	6700	3-29-71	99.0	45	44.4	139	32.0	21.9
MOUNT HOUGH	360	6700	4- 2-71	92.0	44	40.8	142	28.8	25.3
ROWLAND CREEK	280	6700	3-31-71	64.4	38	24.6	137	17.9	18.2
THREE LAKES	53	6250	3-30-71	126.5	47	59.7	149	40.1	27.9
EUREKA LAKE	52	6200	3-30-71	107.9	47	51.1	158	32.3	17.0
HARKNESS FLAT	51	6200	4- 1-71	94.5	42	39.8	139	28.7	24.1
MOUNT DYER 2	290	6050	4- 1-71	50.0	38	19.0	126	15.1	8.7
MILL CREEK FLAT	54	5900	3-29-71	119.0	46	55.2	143	38.7	27.9
FRENCHMAN COVE	353	5800	4- 2-71	5.0	44	2.2	59	3.7	0.0
FREDONYER PASS 1	50	5750	4- 1-71	12.6	42	5.3	61	8.7	0.0
ABBEY	355	5650	3-29-71	40.6	43	17.4	171	10.2	2.4
ANTELOPE RIDGE	354	5650	4- 5-71	14.6	42	6.2	155	4.0	0.0
LETTERBOX	49	5600	3-29-71	151.1	51	77.4	164	47.3	28.3
MOUNT STOVER	55	5600	4- 1-71	52.4	38	19.8	118	16.8	13.6
BROWNS CAMP	56	5400	3-29-71	89.8	49	44.3	199	22.3	0.0
FEATHER RIVER MEADOWS	58	5400	4- 1-71	76.8	44	33.6	145	23.2	16.4
HASKINS FLAT	57	5200	3-29-71	104.6	49	51.6	173	29.8	5.1
WARNER CREEK	59	5100	4- 1-71	59.6	41	24.7	152	16.2	9.6
HUMBUG SUMMIT	60	4850	3-30-71	34.8	43	15.0	129	11.6	0.0
CHESTER FLAT	61	4600	4- 1-71	19.1	41	7.9	105	7.5	0.0
STONY CREEK									
ANTHONY PEAK	62	6200	3-31-71	83.5	43	36.3	123	29.4	8.4
YUBA RIVER									
CASTLE CREEK 5	65	7400	3-31-71	155.1	46	72.1	138	52.3	50.8
MEADOW LAKE	66	7200	3-29-71	184.6	43	80.2	145	55.2	51.3
RED MOUNTAIN	67	7200	3-30-71	160.7	43	69.4	142	48.9	43.7
ENGLISH MOUNTAIN	68	7100	4- 5-71	131.8	47	62.1	140	44.5	32.4
LAKE STERLING	70	7100	4- 2-71	157.9	44	69.1	129	53.4	44.2
SAWMILL FLAT	71	7100	4- 2-71	147.4	46	68.2	135	50.5	39.6
DONNER SUMMIT	69	6900	3-29-71	111.7	48	53.4	134	39.9	29.3
HAYPRESS VALLEY	72	6800	4- 5-71	100.9	51	51.7	144	35.8	26.0
FURNACE FLAT	76	6700	4- 2-71	122.0	58	71.0(5)	149	47.6	37.8
YUBA PASS	74	6700	3-29-71	97.5	44	42.6	142	30.1	15.9
FINDLEY PEAK	78	6500	4- 5-71	89.1	47	41.5	145	28.7	13.9
LAKE FORDYCE	77	6500	4- 2-71	115.5	46	53.7	133	40.3	25.7
CISCO	80	5900	3-30-71	86.9	48	41.9	166	25.2	9.4
CHAPMAN CREEK	372	5850	3-29-71	87.3	43	37.7	-	(3)	2.6
BOWMAN LAKE	83	5650	4- 5-71	70.9	46	32.9	157	21.0	3.1
GIBSONVILLE	277	5400	4- 1-71	90.9	48	43.9	149	29.4	3.8
LAKE SPAULDING	85	5200	3-30-71	73.0	66	47.9	191	25.1	0.0
AMERICAN RIVER									
UPPER CARSON PASS	106	8500	4- 1-71	91.8	44	40.5	116	34.9	32.1
EMIGRANT VALLEY	297	8400	4- 1-71	111.0	45	50.1	115	43.7	41.0
LOWER CARSON PASS	331	8400	4- 1-71	99.6	43	43.2	113	38.3	34.8
CAPLES LAKE	107	8000	4- 1-71	77.6	45	35.0	116	30.1	25.9
ALPHA	365	7600	4- 1-71	87.3	45	39.3	116	33.9	28.8
LOST CORNER MOUNTAIN	338	7500	3-31-71	99.5	46	46.1	132	35.0	26.9
ECHO SUMMIT	108	7450	3-31-71	94.7	42	39.9	107	37.4	29.4
LAKE AUDRAIN	110	7300	3-31-71	100.3	43	43.0	120	35.9	30.5
DARRINGTON	111	7100	3-30-71	72.9	48	34.9	114	30.7	20.9
SILVER LAKE	109	7100	4- 1-71	58.9	43	25.2	109	23.2	16.9
WRIGHTS LAKE	316	6900	3-31-71	83.5	45	37.4	109	34.3	28.6
PHILLIPS	113	6800	3-30-71	70.3	49	34.1	117	29.1	20.4
LYONS CREEK	320	6700	3-31-71	87.5	44	38.6	121	32.0	26.2
HUYSINK	115	6600	4- 1-71	134.0	49	65.6	141	46.4	33.7
TAMARACK FLAT	289	6550	3-30-71	82.1	43	35.7	125	28.5	22.5
WABENA MEADOWS	114	6300	4- 1-71	117.2	45	52.4	131	40.0	28.7
MIRANDA CABIN	369	6200	4- 1-71	107.8	49	53.1	-	(3)	26.9
ONION CREEK	120	6100	3-30-71	70.1	47	33.1	153	21.6	0.0
DIAMOND CROSSING	371	6050	4- 1-71	70.4	47	33.2	151	22.0	7.2
SIXMILE VALLEY	123	5750	4- 1-71	76.0	51	38.8	169	23.0	0.0
TALBUT CAMP	122	5750	4- 1-71	62.2	45	27.8	139	20.0	5.2
STRAWBERRY	124	5700	3-30-71	9.0	46	4.1	48	8.6	0.0
ROBBS VALLEY	322	5600	3-31-71	57.9	47	27.3	124	22.1	4.8
CARPENTER FLAT	128	5300	4- 1-71	53.1	52	27.5	150	18.3	0.0
ICE HOUSE	127	5300	3-31-71	31.5	46	14.6	140	10.4	0.0
MOKELUMNE RIVER									
TRAGEDY CREEK	364	8150	4- 1-71	107.2	45	48.0	112	43.0	39.0

TABLE 2 - SNOW COURSE DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	WATER CONTENT IN PER-CENT OF APR 1 AVG.	WATER CONTENT APRIL 1 AVG (2) INCHES	WATER CONTENT ONE YEAR AGO IN INCHES
MOKELUMNE RIVER (CONTINUED)									
BLUE LAKES	129	8000	3-30-71	106.0	42	44.8	126	35.5	35.7
WHEELER LAKE	131	7800	3-30-71	129.1	42	54.0	102	52.8	49.9
PACIFIC VALLEY	132	7500	3-30-71	91.3	43	39.1	101	38.6	31.5
CORRAL FLAT	133	7200	3-29-71	109.6	47	51.6	129	40.1	30.0
PODESTA	363	7200	3-29-71	98.5	47	46.0	102	45.1	37.3
BEAR VALLEY RIDGE 1	134	6700	3-30-71	62.0	45	27.9	109	25.5	13.0
BEAR VALLEY RIDGE 2	339	6600	3-30-71	79.7	45	36.1	129	28.0	15.0
LUMBERYARD	135	6500	3-25-71	81.9	45	37.2	112	33.3	19.3
HAMS STATION	136	5500	3-25-71	24.8	50	12.5	152	8.2	0.0
ANTELOPE SPRINGS	137	4350	3-29-71	10.8	47	5.1	155	3.3	0.0
STANISLAUS RIVER									
DEADMAN CREEK	345	9250	3-29-71	96.0	38	36.3	103	35.4	33.6
CLARK FORK MEADOW	344	8900	3-29-71	113.0	39	43.7	113	38.8	37.2
HIGHLAND MEADOW	323	8800	3-30-71	124.2	48	59.9	120	49.8	44.0
LOWER RELIEF VALLEY	138	8100	3-29-71	97.8	44	43.0	109	39.4	35.2
SODA CREEK FLAT	139	7800	3-29-71	49.7	40	20.0	89	22.4	17.8
STANISLAUS MEADOW	384	7750	4- 1-71	112.2	43	48.8	-	(3)	(4)
LAKE ALPINE	141	7550	3-29-71	98.0	46	45.0	109	41.3	35.9
EAGLE MEADOW	140	7500	3-29-71	53.3	42	22.3	91	24.6	20.0
HERRING CREEK	142	7300	3-29-71	66.9	44	29.3	102	28.8	22.2
RELIEF DAM	143	7250	3-29-71	42.0	43	17.9	89	20.2	16.0
SPICERS	144	6600	3-30-71	65.5	42	27.7	93	29.9	23.4
BIG MEADOW	146	6550	3-29-71	63.5	50	31.5	113	27.8	10.5
HELLS KITCHEN	373	6550	3-29-71	59.2	45	26.6	-	(3)	14.9
NIAGARA FLAT	145	6500	3-29-71	46.3	43	20.0	94	21.2	14.5
COTTAGE SPRING	147	5750	3-29-71	42.8	48	20.4	141	14.5	0.0
DURRINGTON	149	4750	3-29-71	11.2	46	5.2	93	5.6	0.0
TUOLUMNE RIVER									
DANA MEADOWS	157	9850	3-30-71	72.2	36	25.8	86	30.1	26.7
RAFFERTY MEADOWS	158	9400	3-30-71	76.2	38	28.8	94	30.8	29.6
BOND PASS	159	9300	3-30-71	118.2	43	51.2	118	43.5	42.7
NEW GRACE MEADOW	368	8900	3-30-71	115.9	45	52.5	116	45.1	44.0
TUOLUMNE MEADOWS	161	8600	3-30-71	52.4	41	21.4	95	22.6	14.0
HORSE MEADOW	162	8400	3-30-71	114.5	45	51.1	110	46.6	43.4
DODGE RIDGE	379	8150	3-29-71	94.8	48	45.8	-	(3)	33.4
WILMER LAKE	163	8000	3-30-71	107.8	43	46.6	108	43.2	37.6
SACHSE SPRINGS	165	7900	3-31-71	85.8	47	40.6	108	37.7	22.1
HUCKLEBERRY LAKE	166	7800	3-30-71	96.3	43	41.7	97	42.9	36.0
SPOTTED FAWN	164	7800	3-31-71	106.3	46	48.8	105	46.6	37.4
PARADISE	167	7700	3-30-71	85.2	47	40.2	100	40.2	31.2
KERRICK CORRAL	348	7000		NO SURVEY MADE				19.1	11.0
LOWER KIBBIE RIDGE	173	6700	3-31-71	54.0	47	25.6	91	28.2	12.5
UPPER KIBBIE RIDGE	168	6700	3-31-71	37.9	47	17.9	90	19.8	5.6
VERNON LAKE	169	6700	3-30-71	49.4	44	21.9	90	24.2	11.1
BEEHIVE MEADOW	171	6500	3-30-71	54.8	41	22.6	84	26.8	12.2
BELL MEADOW	172	6500		NO SURVEY MADE				18.1	4.1
MERCED RIVER									
SNOW FLAT	176	8700	3-31-71	100.4	40	40.5	96	42.3	37.9
OSTRANDER LAKE	177	8200	4- 2-71	71.6	45	32.0	96	33.5	25.4
LAKE TENAYA	178	8150	3-31-71	70.6	41	29.1	87	33.3	27.0
GIN FLAT	179	7000	3-29-71	65.1	47	30.5	91	33.5	20.4
PEREGOY MEADOWS	180	7000	4- 2-71	71.9	40	29.0	90	32.3	23.3
SAN JOAQUIN RIVER									
MONO PASS	182	11450	3-30-71	70.9	41	28.8	85	33.9	28.1
PIUTE PASS	183	11300	3-30-71	85.4	40	33.8	95	35.7	30.6
EMERALD LAKE	184	10600	3-30-71	85.0	42	35.8	98	36.4	29.8
PIONEER BASIN	276	10400	3-30-71	76.1	40	30.4	82	37.2	29.2
HEART LAKE	185	10100	3-30-71	60.6	37	22.4	79	28.2	21.5
VOLCANIC KNOB	186	10100	3-30-71	72.7	36	26.4	84	31.4	24.8
ROSE MARIE	187	10000	3-30-71	67.7	36	24.6	82	30.0	22.4
COLBY MEADOW	188	9700	3-30-71	48.0	37	17.8	77	23.2	18.1
AGNEW PASS	189	9450	4- 1-71	66.3	43	28.6	91	31.3	25.1
DUTCH LAKE	191	9100	3-30-71	61.4	40	24.4	89	27.3	22.5
KAISER PASS	190	9100	3-30-71	78.1	45	34.9	91	38.2	31.9
COYOTE LAKE	192	8850	3-30-71	68.8	43	29.3	88	33.4	25.3
CORA LAKES	193	8400	3-31-71	73.4	46	33.5	91	36.8	30.1
BADGER FLAT	346	8300	3-30-71	62.0	43	26.8	84	31.8	23.6
NELLIE LAKE	194	8000	3-29-71	73.3	45	33.0	91	36.3	25.4
LAKE THOMAS A EDISON	324	7800	3-30-71	19.7	53	10.4	67	15.6	8.5
CHILKOOT LAKE	196	7450	4- 1-71	69.4	46	32.2	89	36.2	24.0
TAMARACK CREEK	347	7250	3-30-71	41.0	47	19.4	77	25.2	13.1

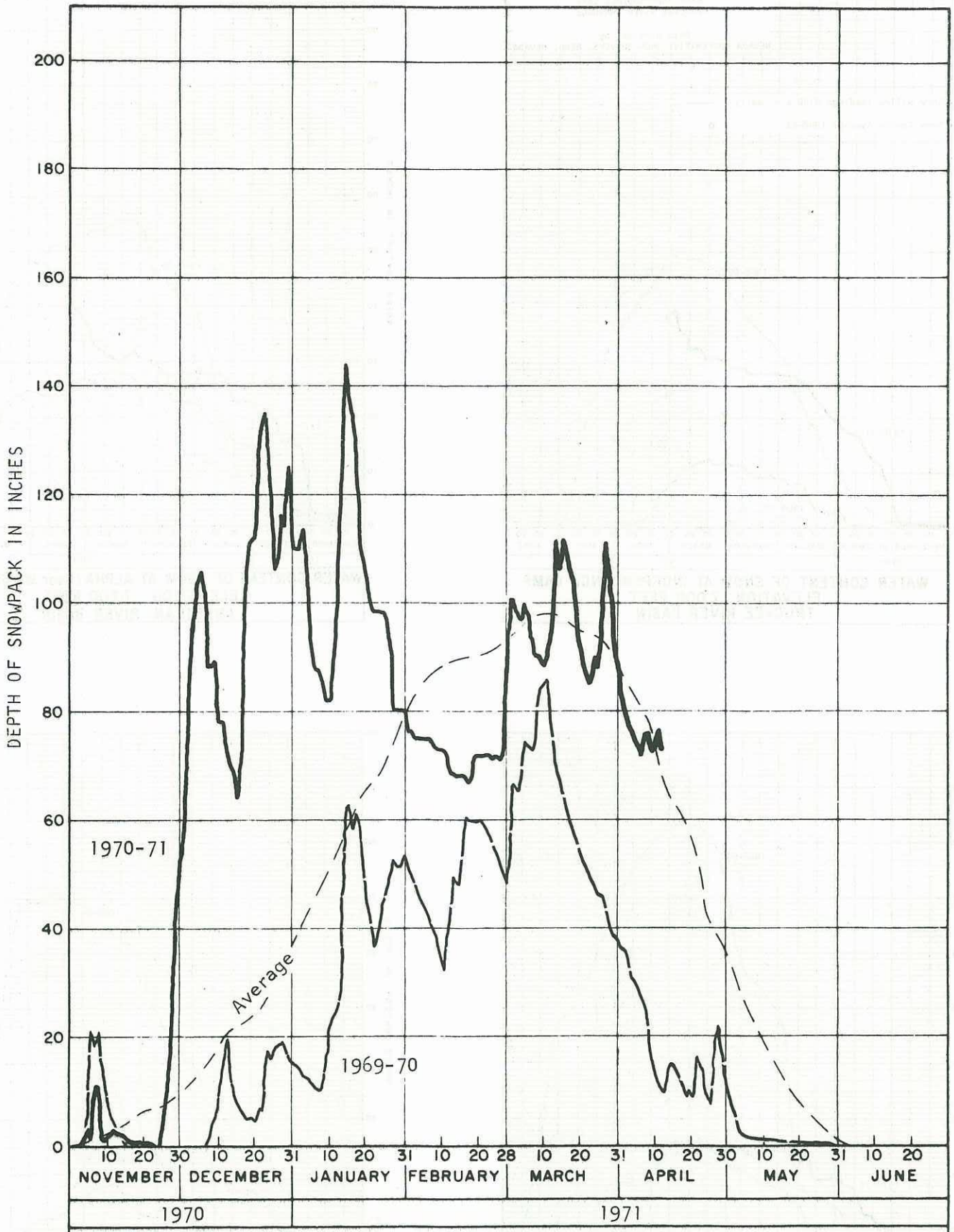
TABLE 2 - SNOW COURSE DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	WATER CONTENT IN PER-CENT OF APR 1 AVG.	WATER CONTENT APRIL 1 AVG (2) INCHES	WATER CONTENT ONE YEAR AGO IN INCHES
SAN JOAQUIN RIVER (CONTINUED)									
FLORENCE LAKE	198	7200	3-30-71	16.2	38	6.1	82	7.4	2.0
CHILKOOT MEADOW	197	7150	4- 1-71	68.6	47	32.0	89	36.0	24.6
CLOVER MEADOW	200	7000	3-30-71	37.5	47	17.5	73	23.9	15.8
HUNTINGTON LAKE	199	7000	3-30-71	36.9	44	16.1	79	20.4	11.1
JACKASS MEADOW	201	6950	3-30-71	33.0	52	17.2	72	23.8	14.0
CHIQUITO CREEK	202	6800	4- 1-71	29.0	50	14.4	68	21.2	16.5
POISON MEADOW	204	6800	4- 1-71	47.2	50	23.4	95	24.7	11.0
KINGS RIVER									
BISHOP PASS	222	11200	4- 1-71	72.0	41	29.4	94	31.3	29.0
CHARLOTTE RIDGE	299	10700	4- 2-71	63.2	36	22.7	65	35.1	27.2
BULLFROG LAKE	307	10650	4- 2-71	54.8	38	20.8	62	33.5	25.3
BLACKCAP BASIN	223	10300	3-29-71	73.8	37	27.4	80	34.2	24.0
BEARD MEADOW	225	9800	3-29-71	71.4	39	27.6	84	32.8	26.0
UPPER BURNT CORRAL MDW	224	9700	3-29-71	80.8	41	33.0	94	35.0	30.2
VIDETTE MEADOW	309	9500	4- 3-71	33.8	41	13.8	63	21.8	19.8
ROUND CORRAL	229	9000	3-30-71	64.2	42	26.9	79	34.0	27.0
SWAMP MEADOW	228	9000	3-30-71	81.1	41	33.1	88	37.6	28.8
ROWELL MEADOW	226	8850	4- 1-71	47.2	44	20.8	76	27.5	19.3
WOODCHUCK MEADOW	227	8800	3-30-71	59.8	41	24.6	79	31.3	22.7
LONG MEADOW	232	8500	3-29-71	55.2	47	25.9	90	28.7	20.8
STATUM MEADOW	233	8300	3-30-71	55.6	50	27.6	90	30.8	17.8
HELMS MEADOW	230	8250	3-30-71	42.0	45	18.8	74	25.5	18.3
POST CORRAL MEADOW	234	8200	3-29-71	44.0	45	19.7	75	26.4	18.0
DODSONS MEADOW	308	8050	3-29-71	51.4	45	22.9	76	30.1	19.4
BIG MEADOWS	236	7600	4- 1-71	39.4	49	19.5	75	25.9	17.0
HORSE CORRAL MEADOW	237	7600	4- 1-71	26.1	43	11.1	63	17.6	0.0
FRED MEADOW	239	6950	4- 1-71	33.0	50	16.6	79	21.1	0.0
GRANT GROVE	240	6600	3-26-71	34.9	44	15.4	105	14.6	2.5
KAWEAH RIVER									
WHITE CHIEF	374	9200		NO SURVEY MADE				(3)	26.5
FAREWELL GAP	292	9000	3-25-71	67.8	41	27.6	77	35.9	32.6
PANTHER MEADOW	243	8600	3-30-71	68.8	41	28.4	77	36.8	26.0
HOCKETT MEADOWS	244	8500	3-28-71	56.1	33	18.6	64	29.0	16.8
MINERAL KING	245	8000	3-25-71	38.3	45	17.4	82	21.3	14.2
GIANT FOREST	246	6400	3-30-71	43.3	42	18.4	111	16.6	0.0
TULE RIVER									
QUAKING ASPEN	247	7000	3-25-71	27.0	47	12.8	96	13.3	2.7
OLD ENTERPRISE MILL	248	6600	3-25-71	36.0	47	17.0	104	16.4	0.6
DEER CREEK									
DEAD HORSE MEADOW	249	7300	3-30-71	13.6	49	6.7	53	12.6	1.1
KERN RIVER									
BIGHORN PLATEAU	250	11350	3-24-71	44.0	36	15.7	67	23.4	17.0
COTTONWOOD PASS	251	11050	3-30-71	16.3	36	5.8	41	14.1	9.1
SIBERIAN PASS	252	10900	3-27-71	37.6	34	12.6	67	18.9	12.6
CRABTREE MEADOW	253	10700	3-26-71	31.0	38	11.7	59	19.8	16.4
GUYOT FLAT	254	10650	3-26-71	37.2	35	13.2	63	21.0	14.7
SANDY MEADOWS	275	10650	3-24-71	30.5	39	11.9	63	19.0	16.1
TYNDALL CREEK	255	10650	3-24-71	38.4	34	13.1	69	18.9	14.6
BIG WHITNEY MEADOW	257	9750	3-27-71	29.9	36	10.8	61	17.6	11.4
ROCK CREEK	256	9600	3-26-71	29.9	37	11.1	63	17.7	12.5
ROUND MEADOW	258	9000	3-24-71	54.4	39	21.2	83	25.6	17.7
RAMSHAW MEADOWS	259	8700	3-29-71	10.1	33	3.3	29	11.5	4.5
LITTLE WHITNEY MEADOW	260	8500	3-28-71	13.3	41	5.5	39	14.0	6.8
CASA VIEJA MEADOWS	262	8400	3-27-71	32.5	43	14.0	71	19.7	13.4
QUINN RANGER STATION	264	8350	3-27-71	35.4	45	15.9	78	20.4	12.5
BONITA MEADOWS	261	8300	3-25-71	21.8	43	9.4	66	14.3	6.1
MONACHE MEADOWS	263	8000	3-29-71	0.0	-	0.0	0	7.9	1.3
BEACH MEADOWS	265	7650	3-26-71	8.5	40	3.4	36	9.5	4.1
LAHONTAN AREA									
SURPRISE VALLEY									
MOUNT BIDWELL	378	7200	3-30-71	85.0	40	34.3	-	(3)	25.0
BARBER CREEK	313	6500	3-31-71	34.6	39	13.5	127	10.6	8.4
HAYS CANYON NEVADA	349	6400	3-29-71	7.0	36	2.5	89	2.8	0.0
49 MOUNTAIN NEVADA	350	6000	3-29-71	5.0	32	1.6	57	2.8	0.0
RESERVATION CREEK	314	5900	3-31-71	34.0	40	13.5	132	10.2	7.5
SUSAN RIVER									
SILVER LAKE MEADOWS	45	6450	4- 2-71	87.5	44	38.6	136	28.3	28.7
NORVELL FLAT	46	5700	4- 2-71	51.1	41	20.9	132	15.8	10.4
TRUCKEE RIVER									
MOUNT ROSE NEVADA	334	9000	3-29-71	112.0	43	48.5	143	33.8	32.7

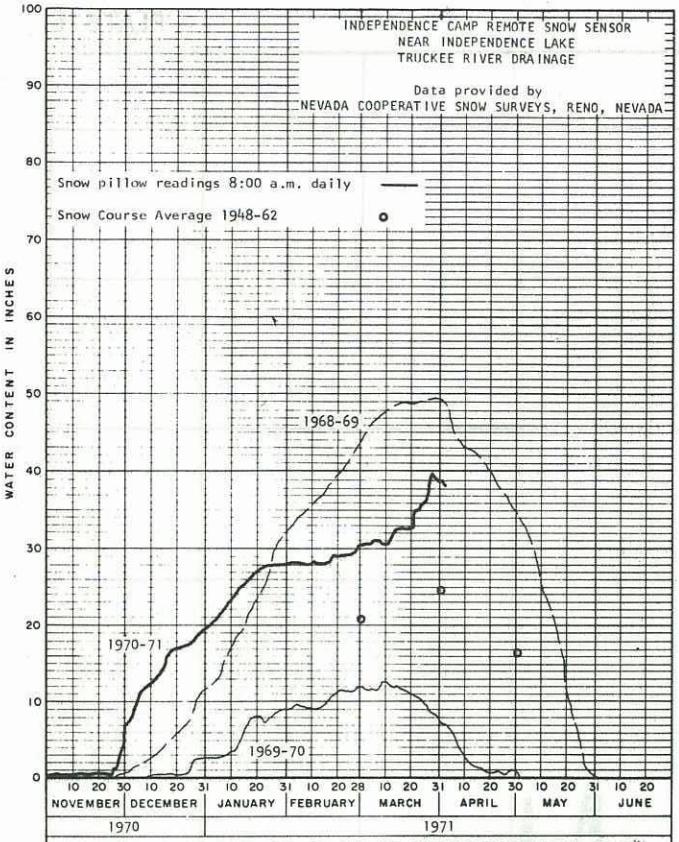
TABLE 2 - SNOW COURSE DATA (CONTINUED)

AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	WATER CONTENT IN PER-CENT OF APR 1 AVG.	WATER CONTENT APRIL 1 AVG (2) INCHES	WATER CONTENT ONE YEAR AGO IN INCHES
TRUCKEE RIVER (CONTINUED)									
INDEPENDENCE LAKE	86	8450	3-29-71	142.0	40	56.4	136	41.4	39.7
BONDER PEAK	64	7800	4- 5-71	138.0	5115	7058.5	15898	44.4	42.3
SQUAW VALLEY 2	318	7500	3-29-71	154.0	39	59.9	114	52.4	48.3
INDEPENDENCE CAMP	88	7000	3-29-71	77.0	42	32.1	138	23.3	14.7
SPERRY LAKE	89	7000	4- 5-71	103.0	2954	3042.6	9479	32.1	24.8
INDEPENDENCE CREEK	91	6500	3-29-71	47.0	41	19.3	144	13.4	4.8
SAGE HEN CREEK	90	6500	3-30-71	61.0	44	26.6	145	18.3	9.4
TRUCKEE 2	92	6400	3-30-71	51.0	40	20.3	125	16.2	7.8
DONNER PARK 2	342	6000	3-29-71	64.0	43	27.8	151	18.4	8.7
DONA 2	95	5900	3-29-71	20.0	40	8.0	167	4.8	0.0
LAKE TAHOE BASIN									
DEVILS VALLEY	375	8850	3-30-71	84.0	40	33.4	-	(3)	26.2
LAKE LUCILLE	96	8200	3-29-71	174.0	40	69.5	117	59.2	64.1
CARICON PEAK 1	97	8100	3-29-71	162.0	38	61.7	126	48.9	47.9
HAGANS MEADOW	98	8000	4- 1-71	40.0	39	15.6	86	18.1	14.3
ARLETTE LAKE NEVADA	332	8000	3-26-71	56.0	37	21.0	91	23.1	21.7
CARICON PEAK 2	99	7500	3-29-71	89.0	41	36.7	118	31.0	27.8
FEEL BENCH	100	7300	4- 1-71	33.0	42	13.9	119	11.7	4.2
CROCKWAY SUMMIT	385	7100	3-27-71	53.0	39	20.7	154	13.4	11.2
WARD CREEK	101	7000	3-31-71	122.0	44	53.9	118	45.8	35.0
BLEISPECK 2	333	6900	3-27-71	48.0	34	16.1	120	13.4	9.8
WARD CREEK 3	376	6750	3-31-71	112.0	45	49.9	132	37.9	29.8
RICHARDSONS 2	103	6500	3-27-71	51.0	40	20.5	123	16.7	10.2
UPPER TRUCKEE	104	6400	4- 1-71	31.0	42	12.9	161	8.0	3.6
TAHOE CITY	105	6250		NO SURVEY MADE				11.1	0.0
WALKER RIVER									
VIRGINIA LAKES	150	9500	3-25-71	30.0	40	11.9	63	18.9	15.2
CENTER MOUNTAIN	151	9400	3-30-71	95.0	40	38.2	101	37.8	34.6
VIRGINIA LAKES RIDGE	377	9200	3-25-71	40.0	35	14.2	84	17.0	12.8
SONORA PASS	152	8800	3-26-71	68.0	37	25.0	102	24.5	19.6
BUCKEYE FORKS	153	8500	3-30-71	59.0	43	25.4	122	20.9	19.7
WILLOW FLAT	154	8250	3-25-71	12.0	59	7.1	68	10.4	8.8
BUCKEYE ROUGHS	155	7900	3-30-71	45.0	42	18.7	91	20.6	13.4
LEAVITT MEADOW	156	7200	3-26-71	8.0	60	4.8	62	7.7	1.6
MONO LAKE BASIN									
GEM PASS	281	10400	3-31-71	66.3	41	26.9	84	32.0	29.3
TIOGA PASS	181	9800	3-30-71	49.6	36	18.8	72	26.1	28.0
SADDLEBAG LAKE	287	9750	3-30-71	78.8	38	29.6	92	32.3	30.2
ELLERY LAKE	286	9600	3-30-71	68.6	36	24.5	85	28.7	28.8
GEM LAKE	282	9150	3-31-71	71.0	43	30.2	97	31.0	27.8
OWENS RIVER									
BISHOP LAKE	284	11300	3-31-71	26.7	34	9.2	42	21.7	19.9
COTTONWOOD LAKES 2	220	11100	3-30-71	6.8	38	2.6	18	14.8	12.2
EAST PINTO PASS	212	10800	3-29-71	12.3	47	5.8	46	12.7	11.0
COTTONWOOD LAKES 1	221	10600	3-30-71	13.1	41	5.4	43	12.7	9.0
SAWMILL	213	10300	3-31-71	36.3	39	14.2	76	18.8	15.4
BIG PINE CREEK 1	217	10000	3-30-71	40.4	39	15.8	67	23.6	14.2
ROCK CREEK 3	209	10000	3-31-71	29.2	40	11.7	75	15.5	12.0
BIG PINE CREEK 3	218	9800	3-30-71	22.9	40	9.1	52	17.4	10.7
BIG PINE CREEK 2	219	9700	3-30-71	19.4	37	7.1	43	16.4	7.4
MAMMOTH PASS	205	9500	3-30-71	91.3	45	41.0	97	42.1	34.4
NORTH LAKE	214	9300	3-30-71	1.6	44	0.7	7	9.5	5.4
ROCK CREEK 2	210	9050	3-31-71	13.6	41	5.6	59	9.5	7.4
MINARETS 2	206	9000	3-30-71	64.0	42	27.0	95	28.3	22.3
SOUTH FORK	215	8850	3-31-71	0.0	-	0.0	0	5.3	0.0
ROCK CREEK 1	211	8700	3-31-71	2.5	36	0.9	11	7.9	4.8
BISHOP PARK	216	8400	3-29-71	0.0	-	0.0	0	4.9	0.0
MAMMOTH	208	8300	3-30-71	41.0	46	18.9	94	20.2	13.6
NUCLEAR 1	357	7800	4- 1-71	0.0	-	0.0	0	2.4	0.0
MOJAVE DESERT									
ISLIP 3	305	7600	3-31-71	270.0	41	110.0	786	14.0	17.0
ISLIP 4	306	7550	3-31-71	270.0	48	130.0	760	17.1	14.0
ISLIP 2	304	7400	3-31-71	700.0	0	3.3	28	11.8	11.3
BLUE RIDGE	340	7200	4- 1-71	1.1	55	0.6	17	3.6	1.1
BUCKHORN	271	7100	4- 1-71	6.8	38	2.6	39	6.6	5.0
CEDAR SPRINGS	272	6500	4- 1-71	1.8	44	0.8	14	5.9	3.3
SQUAW CAMP	273	5800	4- 1-71	0.0	-	0.0	0	0.4	0.0
COLORADO DESERT AREA									
WHITEWATER RIVER									
TAHQUITZ VALLEY	296	7800		NO SURVEY MADE				8.3	1.3

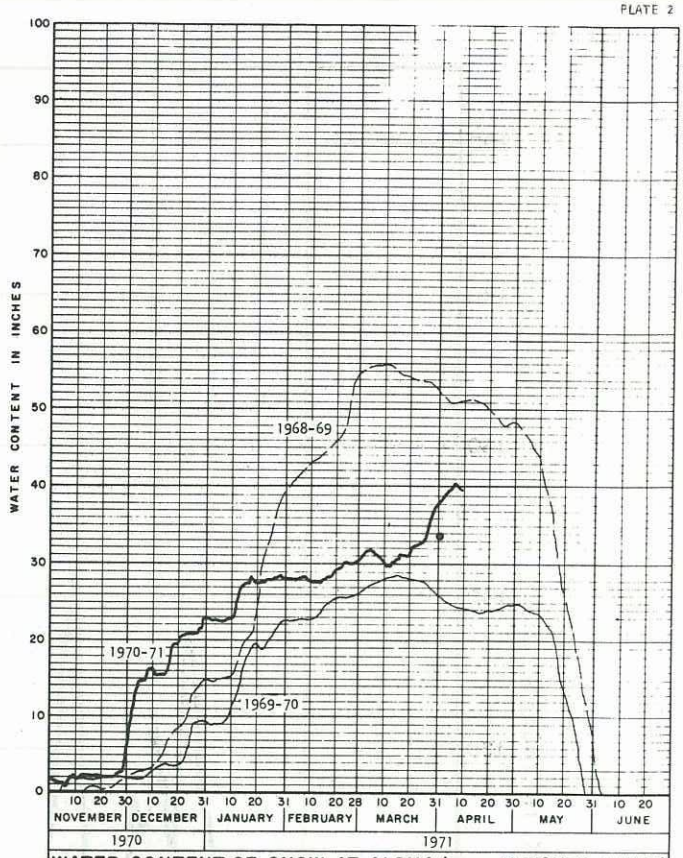
(1) LATE DATA AND DATA FOR COURSES NOT SCHEDULED FOR MEASUREMENTS WILL BE PUBLISHED IN THE FALL REPORT.
(2) AVERAGES ARE COMPUTED FOR THE 40-YEAR PERIOD, 1931-1970
(3) INSUFFICIENT RECORD FOR COMPUTATION OF AVERAGE.
(4) NO SURVEY MADE.
(5) DENSITY AND WATER CONTENT ESTIMATED.



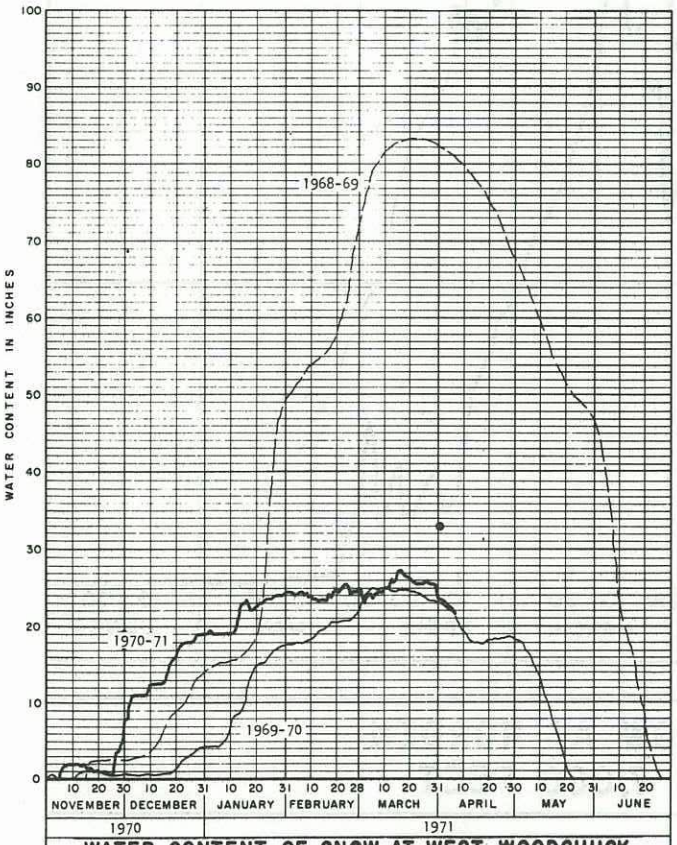
DEPTH OF SNOW AT NORDEN
ELEVATION 7,000 FEET



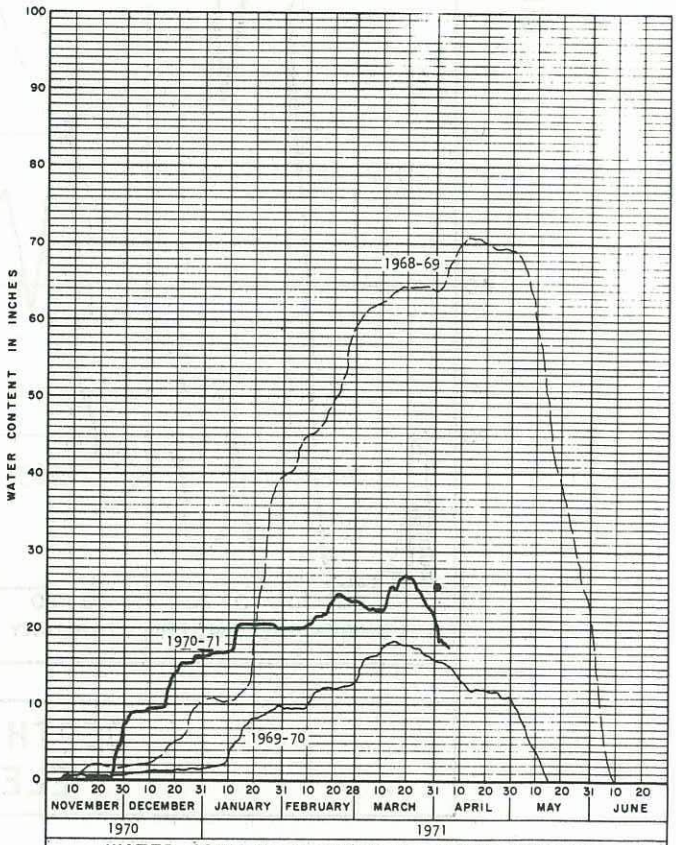
WATER CONTENT OF SNOW AT INDEPENDENCE CAMP
ELEVATION 7,000 FEET
TRUCKEE RIVER BASIN



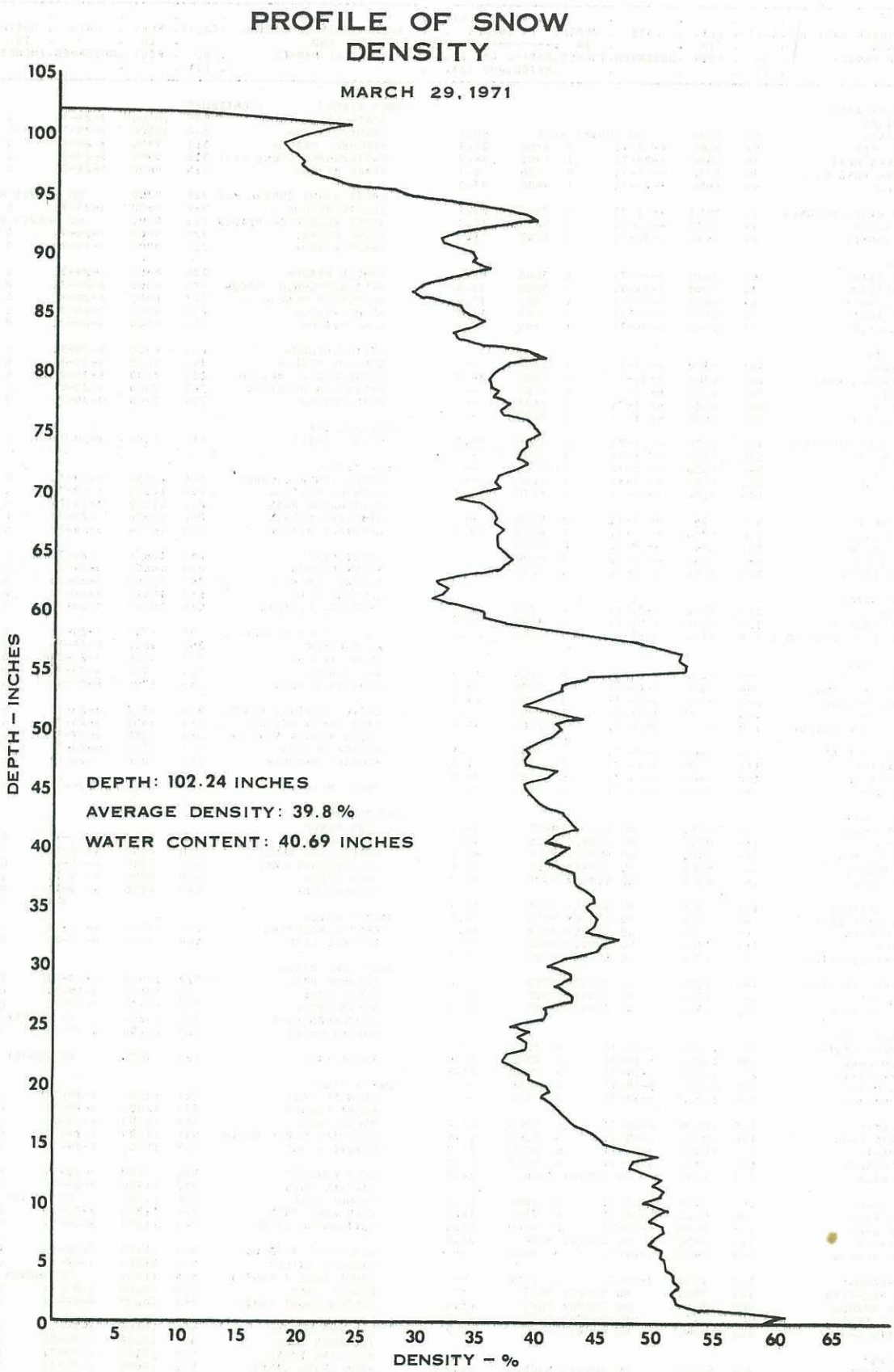
WATER CONTENT OF SNOW AT ALPHA (near WRIGHTS LAKE)
ELEVATION 7,600 FEET
AMERICAN RIVER BASIN



WATER CONTENT OF SNOW AT WEST WOODCHUCK
ELEVATION 8,800 FEET
KINGS RIVER BASIN



WATER CONTENT OF SNOW AT ROUND MEADOW
ELEVATION 9,000 FEET
KERN RIVER BASIN



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, CALIFORNIA, ELEVATION - 6,900'.

TABLE 3

AERIAL PHOTOGRAPHIC SNOW DEPTH MEASUREMENTS

AREA, DRAINAGE BASIN, AND AERIAL MARKER	CALIF. NO (1)	ELEV IN FEET	DATE OBSERVED	DEPTH IN INCHES	WATER CONTENT IN INCHES ESTIMATED	WATER CONTENT IN INCHES APR 1 AVG (2)
CENTRAL VALLEY AREA						
FEATHER RIVER						
THREE LAKES	53	6250	NO SURVEY MADE			40.1
HARKNESS FLAT	51	6200	4- 1-71	0	9700	28.7
MILL CREEK FLAT	54	5900	3-29-71	1	1900	36.7
FREDONYER PASS NO 1	50	5750	4- 1-71	0	400	8.7
LEITERDOX	49	5600	3-29-71	1	4400	47.3
FEATHER RIVER MEADOWS	58	5400	4- 1-71	0	7400	23.2
WARNER CREEK	59	5100	4- 1-71	0	5600	16.2
HUMBUG SUMMIT	60	4850	3-30-71	0	3700	11.6
YUBA RIVER						
RED MOUNTAIN	67	7200	3-24-71	1	3800	46.9
LAKE STERLING	70	7100	3-24-71	1	5000	53.4
DONNER SUMMIT	69	6900	3-24-71	1	800	39.9
FURNACE FLAT	76	6700	3-24-71	1	600	47.6
LAKE FORDYCE	77	6500	3-24-71	1	300	40.3
AMERICAN RIVER						
LYONS LAKE	552	8500	4- 1-71	1	3100	--
UPPER CARSON PASS	106	8500	3-31-71	0	9400	34.9
LAKE LOIS	502	8250	4- 1-71	0	7700	--
LAKE NO 3	501	8200	4- 1-71	1	6400	--
PHIPPS CREEK	503	7600	4- 1-71	0	5400	--
LOST CORNER MOUNTAIN	338	7500	4- 1-71	0	8300	35.0
WILLOW FLAT	551	7400	4- 1-71	1	200	--
TWO PEAKS	548	7350	4- 1-71	0	7800	--
SHADOW LAKE	550	7300	4- 1-71	1	1100	--
SILVER LAKE	109	7100	3-31-71	0	4500	23.2
TIGER FLAT	555	6950	4- 1-71	0	5200	--
WRIGHTS LAKE	316	6900	4- 1-71	0	8200	33.2
GLENS CORRAL	553	6800	3-29-71	0	9600	--
UPPER BASSI	549	6350	4- 1-71	0	4800	--
BELLS DELIGHT	554	5750	4- 1-71	0	3100	--
MOKELUMNE RIVER						
BLUE LAKES	129	8000	3-31-71	1	700	35.5
PACIFIC VALLEY	132	7500	3-31-71	0	8400	38.6
BEAR VALLEY RIDGE NO 1	134	6700	3-31-71	0	6500	25.5
STANISLAUS RIVER						
BEAUMAN CREEK	345	9250	3-24-71	0	9100	35.4
CLARK FORK MEADOW	344	8900	3-24-71	0	9600	38.8
HIGHLAND MEADOW	323	8800	3-24-71	1	1600	49.8
MOUNT REBA	566	8500	3-31-71	1	1900	--
LOWER RELIEF VALLEY	138	8100	3-24-71	0	8500	39.4
SOUR CREEK FLAT	139	7800	3-24-71	0	3400	22.4
LAKE ALPINE	141	7550	3-24-71	1	300	41.3
EAGLE MEADOW	140	7500	3-24-71	0	5100	24.6
RELIEF DAM	143	7250	3-24-71	0	3200	20.2
TUOLUMNE RIVER						
DANA MEADOWS	157	9850	NO SURVEY MADE			30.1
BOND PASS	159	9300	NO SURVEY MADE			43.5
NEW GRACE MEADOW	368	8900	NO SURVEY MADE			45.1
HORSE MEADOW	162	8400	NO SURVEY MADE			46.6
WILMER LAKE	163	8000	NO SURVEY MADE			43.2
SACHSE SPRINGS	165	7900	NO SURVEY MADE			37.7
BUCKLEBERRY LAKE	166	7800	NO SURVEY MADE			42.9
SPUTTLU FAWN	164	7800	NO SURVEY MADE			46.6
PARADISE	167	7700	NO SURVEY MADE			40.2
LOWER KIBBIE RIDGE	173	6700	NO SURVEY MADE			28.2
UPPER KIBBIE RIDGE	168	6700	NO SURVEY MADE			19.8
VERNON LAKE	169	6700	NO SURVEY MADE			24.2
BEEHIVE MEADOW	171	6500	NO SURVEY MADE			26.8
SAN JOAQUIN RIVER						
HUMPHREYS BASIN	509	11600	3-29-71	0	4200	--
EMERALD LAKE	184	10600	3-29-71	0	8500	36.4
PIONEER BASIN	276	10400	3-29-71	0	7400	37.2
ISLAND PASS	504	10300	3-29-71	0	8100	--
BENCH CANYON	506	10200	3-29-71	0	7800	--
HEART LAKE	185	10100	3-29-71	0	5800	28.2
VOLCANIC KNOB	186	10100	3-29-71	0	6500	31.4
ROSE MARIE	187	10000	3-29-71	0	6000	30.0
COLBY MEADOW	188	9700	3-29-71	0	4400	23.2
AGNEW PASS	189	9450	NO SURVEY MADE			31.3
DUTCH LAKE	191	9100	3-29-71	0	6000	27.3
KAISER PASS	190	9100	3-29-71	0	7500	38.2
COYOTE LAKE	192	8850	3-29-71	0	6700	33.4
CORA LAKES	193	8400	NO SURVEY MADE			36.8
STRING MEADOW	508	8400	3-29-71	0	6400	--
TWIN MEADOWS	505	8400	3-29-71	0	2100	--
GREEN MOUNTIAN	571	7900	NO SURVEY MADE			--
CLOVER MEADOW	200	7000	NO SURVEY MADE			23.9
JACKASS MEADOW	201	6950	NO SURVEY MADE			23.8
CHIQUITO CREEK	202	6800	NO SURVEY MADE			21.2
KINGS RIVER						
BISHOP PASS	222	11200	NO SURVEY MADE			31.3
TABOOSE PASS	536	11000	3-29-71	0	4200	--
CARDINAL LAKE	513	10900	3-28-71	0	5500	--
CHARLOTTE RIDGE	299	10700	3-28-71	0	5700	35.1
BENCH LAKE	510	10600	3-28-71	0	4400	--
BLACKCAP BASIN	223	10300	NO SURVEY MADE			34.2
KINGS RIVER (CONTINUED)						
STATE LAKES	545	10300	3-29-71	0	4800	--
GRANITE BASIN	546	10000	3-29-71	0	7800	--
MITCHELL MEADOW	511	9900	3-29-71	0	6600	--
RATTLESNAKE CREEK BASI	515	9900	3-29-71	0	6300	--
BEARD MEADOW	225	9800	3-28-71	0	5800	32.8
UPPER BURNT CORRAL MEA	224	9700	NO SURVEY MADE			35.0
SCENIC MEADOW	512	9650	3-29-71	0	4200	--
UPPER WOODCHUCK MEADOW	341	9100	NO SURVEY MADE			33.6
ROUND CORRAL	229	9000	3-29-71	0	5700	34.0
SWAMP MEADOW	228	9000	3-29-71	0	7500	37.6
ROWELL MEADOW	226	8850	3-29-71	0	4800	27.5
WEST WOODCHUCK MEADOW	570	8800	3-29-71	0	5100	--
WOODCHUCK MEADOW	227	8800	3-29-71	0	6000	31.3
HELMS MEADOW	230	8500	3-29-71	0	3900	25.3
LONG MEADOW	232	8500	3-28-71	0	4900	26.7
STATUM MEADOW	233	8300	3-29-71	0	5700	30.8
DODSONS MEADOW	308	8050	3-29-71	0	5100	30.1
HORSE CORRAL MEADOW	237	7600	3-29-71	0	2400	17.6
PATTERSON MOUNTAIN	567	7300	3-29-71	0	3900	--
FRED MEADOW	239	7200	3-29-71	0	3300	21.1
KAWEAH RIVER						
GIANT FOREST	568	6650	3-29-71	0	0	--
KERN RIVER						
UPPER TYNDALL CREEK	516	11450	3-29-71	0	6000	--
BIGHORN PLATEAU	250	11350	3-29-71	0	3000	23.4
COTTONWOOD PASS	251	11050	3-29-71	0	900	14.1
SIBERIAN PASS	252	10900	3-29-71	0	3600	18.9
CRABTREE MEADOW	253	10700	3-29-71	0	2100	19.8
GUYOT FLAT	254	10650	3-29-71	0	3000	21.0
SANDY MEADOW	275	10650	3-29-71	0	3000	19.0
TYNDALL CREEK	255	10650	3-29-71	0	3000	18.9
SHOTGUN PASS	517	10400	3-29-71	0	5100	--
CHAGOOPA PLATEAU	514	10300	3-29-71	0	3000	--
BIG WHITNEY MEADOW	257	9750	3-29-71	0	2400	17.6
ROCK CREEK	256	9600	3-29-71	0	2400	17.7
ROUND MEADOW	258	9000	3-29-71	0	4500	25.0
WET MEADOW	518	8950	3-29-71	0	2700	--
RAMSHAW MEADOW	259	8700	3-29-71	0	0	11.3
LITTLE WHITNEY MEADOW	260	8500	3-29-71	0	0	14.0
CASA VIEJA MEADOWS	262	8400	3-29-71	0	2200	19.7
QUINN RANGER STATION	264	8350	3-29-71	0	2700	20.4
BONITA MEADOWS	261	8300	3-29-71	0	0	14.3
MONACHE MEADOWS	263	8000	3-29-71	0	0	7.9
BEACH MEADOWS	265	7650	3-29-71	0	0	9.3
LAHONTAN AREA						
CARSON RIVER						
EBBETS PASS	562	8700	4- 3-71	0	5300	--
UPPER FISH VALLEY	563	8100	4- 3-71	0	3500	--
WET MEADOWS LAKE	561	8100	4- 3-71	0	5800	--
WOLF CREEK	560	8000	4- 3-71	0	7000	--
POISON FLAT	330	7700	4- 3-71	0	2400	15.6
WALKER RIVER						
CENTER MOUNTIAN	151	9400	4- 3-71	0	9200	37.8
LOUDELL LAKE	564	9200	4- 3-71	0	3000	--
MONO LAKE BASIN						
DONAHUE PASS	522	10800	3-29-71	0	6600	--
ALGER LAKE	521	10600	3-29-71	0	5500	--
SLATE CREEK	520	10300	3-29-71	0	7700	--
SADDLEBAG LAKE	519	10200	NO SURVEY MADE			--
WARREN CREEK	523	10200	3-29-71	0	6100	--
TIOGA PASS	181	9800	NO SURVEY MADE			26.1
OWENS RIVER						
SCHOBER PASS	525	12300	3-29-71	0	1500	--
MOUNT MORGAN	533	12000	3-29-71	0	5400	--
PIUTE PASS	565	11700	4- 3-71	0	0	--
BIG PINE CREEK BASIN	534	11500	3-29-71	0	5400	--
COYOTE RIDGE	527	11500	3-29-71	1	100	--
LAKE DOROTHY	531	11400	3-29-71	0	7200	--
SAWMILL PASS	537	11400	3-29-71	0	3000	--
BISHOP LAKE	264	11300	NO SURVEY MADE			21.7
KEARSARGE PASS	539	11300	3-29-71	0	0	--
COTTONWOOD LAKES	541	11200	3-29-71	0	3600	--
HORSESHOE MEADOWS	543	11100	3-29-71	0	1200	--
DRUNKEN SAILOR	530	11000	3-29-71	0	5600	--
PIUTE LAKE (EAST)	524	11000	NO SURVEY MADE			--
GEORGE LAKE	529	10600	3-29-71	0	2400	--
GOLDEN TROUT CABIN	542	10600	3-29-71	0	600	--
SHEPHERDS PASS	540	10500	3-29-71	0	6000	--
TREASURE LAKE	528	10200	3-29-71	0	5400	--
BIG PINE LAKES	535	10100	3-29-71	0	600	--
ROCK CREEK LAKES	532	10000	3-29-71	0	1800	--
MAMMOTH PASS	205	9500	3-29-71	1	200	42.1
ONION VALLEY	538	9000	3-29-71	0	0	--

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

(2) THE APRIL 1 AVERAGE WATER CONTENT IS FOR THE ASSOCIATED SNOW COURSE DURING THE PERIOD 1931-65.

TABLE 4

SUMMARY OF STORAGE IN MAJOR RESERVOIRS

AREA	NUMBER OF RESERVOIRS	TOTAL CAPACITY 1000 AF	AGGREGATE STORAGE AS OF APRIL 1: 10-YEAR AVE 1961-1970 1000 AF	1970 1000 AF	1971 1000 AF	1971 PERCENT OF AVERAGE	1971 PERCENT OF CAPACITY
INTRASTATE							
NORTH COASTAL	4	2713.900	2265.340	2622.760	2521.740	111	93
SAN FRANCISCO BAY	17	620.400	440.820	548.970	509.230	116	82
CENTRAL COASTAL	6	985.700	659.980	731.610	700.380	106	71
SOUTH COASTAL	26	1485.600	542.570	837.930	737.240	136	50
SACRAMENTO VALLEY	34	16005.400	12713.020	13562.480	13643.830	107	85
SAN JOAQUIN VALLEY	27	5925.400	2750.750	3596.830	2957.700	108	50
LAHONTAN	7	348.200	220.740	288.960	236.600	107	68
SUBTOTAL	121	28084.600	19593.190	22209.550	21306.720	109	76
INTERSTATE							
NORTH COASTAL	3	1205.100	679.560	926.250	970.450	143	81
LAHONTAN	3	820.300	460.450	670.070	655.400	138	77
COLORADO DESERT (1)	4	53533.000	26157.370	28285.700	30950.000	118	58
SUBTOTAL (1)	10	55566.400	27297.370	29890.020	32555.850	119	59
TOTAL (1)	131	83651.000	46890.570	52099.570	53862.570	115	64

(1) INCLUDES DATA FOR LAKE MEAD AND LAKE POWELL WHICH REGULATE FLOW OF THE LOWER COLORADO RIVER, THE MAJOR SOURCE OF WATER FOR THE COLORADO DESERT AND SOUTH COASTAL AREAS.

TABLE 5

STORAGE IN MAJOR RESERVOIRS

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) 1000 AF	STORAGE AS OF APRIL 1: 10-YR AVE 1961-1970 1000 AF	1970 1000 AF	1971 1000 AF	1971 PER-CENT AVE
NORTH COASTAL AREA							
KLAMATH R	UPPER KLAMATH (2)	USBR	584.000	413.160	444.780	466.050	113
	CLEAR LAKE (2)	USBR	526.800	213.220	388.730	413.600	194
	GERBER (2)	USBR	94.300	53.160	92.740	90.800	171
SHASTA R	DWINNELL	MONTAGUE WCD	50.000	35.730	49.480	45.000	126
TRINITY R	CLAIR ENGLE LAKE	USBR	2447.700	2082.560(6)	2430.500	2311.700	110
SOUTH EEL R	LAKE PILLSBURY	PAC GAS AND ELEC CO	93.700	74.440	67.300	75.120	101
RUSSIAN R	LAKE MENDOCINO	US CORPS OF ENGIN	122.500	72.590	75.480	89.920	124
SAN FRANCISCO BAY AREA							
NORTH BAY							
CONN CR	LAKE HENNESSEY	CITY OF NAPA	31.000	30.490	31.000	31.000	102
NICASIO CR	NICASIO	MARIN MWD	22.500	22.160(6)	22.500	22.440	100
LAGUNITAS CR	KENT	MARIN MWD	16.700	15.910	16.400	16.680	105
	ALPINE	MARIN MWD	8.900	8.080	8.750	8.890	110
SOUTH EAST BAY							
SAN PABLO CR	SAN PABLO (3)	EAST BAY MUD	43.200	34.710	38.350	35.120	101
SAN LEANDRO CR	U SAN LEANDRO (3)	EAST BAY MUD	41.400	35.960	40.920	39.150	109
	CHABOT(3)	EAST BAY MUD	12.600	9.860	10.410	10.440	106
BEAR CR	BRIONES (3)	EAST BAY MUD	60.400	37.700(6)	54.550	58.480	154
SAN ANTONIO CR	SAN ANTONIO	CITY CO SAN FRANCISCO	50.500	33.670(6)	33.880	31.320	92
COYOTE CR	COYOTE	SANTA CLARA VALLEY WC	24.500	14.140	23.520	23.220	164
	LEROY ANDERSON	SANTA CLARA VALLEY WC	93.100	34.730	86.840	67.630	195
LOS GATOS CR	LEXINGTON	SANTA CLARA VALLEY WC	21.400	12.500	19.720	11.900	95
	AUSTRIAN	SAN JOSE WATER WORKS	6.200	4.770	6.200	6.310	132
CALAVERAS CR	CALAVERAS (3)	CITY CO SAN FRANCISCO	100.000	76.910	91.140	83.190	108
PENINSULA							
SAN ANDREAS CR	SAN ANDREAS	CITY CO SAN FRANCISCO	18.500	16.830	14.900	17.710	105
LAGUNA CR	UPPER AND LOWER						
SAN MATEO CR	CRYSTAL SPRINGS(3)	CITY CO SAN FRANCISCO	69.500	52.320	49.890	45.750	87
CENTRAL COASTAL AREA							
SALINAS R	SANTA MARGARITA LK	SAN LUIS OBISPO CITY	26.000	22.830	24.730	23.910	105
	SAN ANTONIO	MONTEREY CO FCWCD	350.000	227.060(6)	314.560	270.500	118
	NACIMIENTO	MONTEREY CO FCWCD	350.000	198.220	140.830	174.660	88
SANTA YNEZ R	GIBRALTAR	SANTA BARBARA CITY	14.800	10.550	9.570	9.010	85
	CACHUMA	USBR	204.900	183.340	204.730	185.620	101
OLD CR	WHALE ROCK	SAN LUIS OBISPO CITY	40.000	17.940(6)	37.170	36.680	203

TABLE 5 - STORAGE IN MAJOR RESERVOIRS (CONTINUED)

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) 1000 AF	STORAGE AS OF APRIL 1 10-YR AVE 1961-1970 1000 AF	1970 1000 AF	1971 1000 AF	1971 PER-CENT AVE
SOUTH COASTAL AREA							
VENTURA-SANTA CLARA RIVERS							
COYOTE CR	CASITAS	VENTURA R MWD	254.000	104.380(6)	217.480	213.440	203
PIRU CR	LAKE PIRU	UNITED WCD CONS DIST	101.200	41.990	71.230	55.460	132
MATILIJA CR	MATILIJA	VENTURA CO FCD	3.500	2.900	0.600	1.640	56
SAN GABRIEL-SANTA ANA RIVERS							
SAN GABRIEL R	COGSWELL	LA CO FCD	10.900	3.750	3.560	3.480	93
	SAN GABRIEL	LA CO FCD	43.800	6.510	1.260	5.840	90
BEAR CR	BEAR VALLEY	BEAR V MUT WATER CO	72.200	26.300	65.070	60.000	228
TRIB, CAJALCO CR	LAKE MATHEWS (4)	METROPOLITAN WD	182.000	170.150(6)	179.700	174.170	101
SAN JACINTO R	LAKE HEMET	LAKE HEMET WATER CO	13.400	5.470	11.070	8.410	154
	RAILROAD CANYON (3)	TEMESCAL WATER CO	14.700	4.630	7.710	9.930	214
SANTIAGO CR	SANTIAGO (3)	SERRANO AND CARPENTER ID AND IRVINE CO	25.000	12.700	17.650	7.490	59
	VILLA PARK	ORANGE COUNTY FCD	15.600	0.990(6)	0.280	0.190	18
SANTA MARGARITA-SAN LUIS REY RIVERS							
TEMECULA CR	VAIL	VAIL COMPANY	49.500	10.250	30.670	26.790	261
SAN LUIS REY R	HENSHAW	VISTA ID	194.300	14.780	28.830	11.270	76
SAN DIEGUITO-SAN DIEGO RIVERS							
SAN DIEGUITO R	LAKE HODGES (3)	CITY OF SAN DIEGO	33.600	6.120	10.540	1.350	22
SAN YSABEL CR	SUTHERLAND	CITY OF SAN DIEGO	29.700	4.340	2.610	3.070	71
SAN VICENTE CR	SAN VICENTE (3)	CITY OF SAN DIEGO	90.200	66.910	65.340	68.000	102
SAN DIEGO R	EL CAPITAN (3)	CITY OF SAN DIEGO	112.800	23.790	58.990	27.640	116
BOULDER CR	CUYAMACA	HELIX ID	11.800	1.650	1.010	1.170	71
QUAIL CANYON CR	LAKE JENNINGS (3)	HELIX ID	9.800	5.950(6)	8.020	7.880	131
CHAPPAREL CANYON	MURRAY (3)	CITY OF SAN DIEGO	5.700	3.390	1.820	4.080	120
SWEETWATER-OTAY RIVERS - COTTONWOOD CR							
SWEETWATER R	LAKE LOVELAND	CALIF WATER AND TEL C	25.400	4.530	15.850	15.740	347
	SWEETWATER MAIN (3)	CALIF WATER AND TEL C	27.700	3.130	2.580	2.560	82
OTAY R	LOWER OTAY (3)	CITY OF SAN DIEGO	56.500	7.270	17.180	15.840	218
COTTONWOOD CR	MORENA	CITY OF SAN DIEGO	50.200	1.540	4.670	3.890	252
	BARRETT	CITY OF SAN DIEGO	44.800	3.580	7.950	1.580	44
SOLEDAD VALLEY							
BIG SURR CR	MIRAMAR (3)	CITY OF SAN DIEGO	7.300	5.440(6)	6.240	6.330	115
CENTRAL VALLEY AREA							
SACRAMENTO R	SHASTA	USBR	4500.000	3790.110	3980.600	4269.400	113
	WHISKEYTOWN	USBR	241.100	202.040(6)	211.890	237.300	116
FEATHER R	LAKE ALMANOR	PAC GAS AND ELEC CO	1035.500	715.250(6)	927.500	761.260	105
	BUTT VALLEY	PAC GAS AND ELEC CO	49.900	41.430	38.440	43.310	105
	BUCKS STORAGE	PAC GAS AND ELEC CO	101.700	60.700	81.060	40.490	67
	FRENCHMAN	DWR - STATE OF CALIF	55.400	47.640(6)	56.370	52.680	110
	LAKE DAVIS	DWR - STATE OF CALIF	84.400	73.300(6)	82.170	77.830	105
	LITTLE GRASS VALLEY	OROVILLE WYANDOTTE ID	93.000	73.120(6)	78.500	64.900	88
	SLY CREEK	OROVILLE WYANDOTTE ID	65.000	43.610(6)	54.300	36.750	83
	LAKE OROVILLE	DWR - STATE OF CALIF	3538.000	2936.450(6)	2937.700	3247.330	110
YUBA R	NEW BULLARDS BAR	YUBA CO WATER AGENCY	930.000	885.300(6)	885.300	641.870	72
	JACKSON MEADOWS	NEVADA ID	68.700	39.190(6)	54.520	43.860	111
	BOWMAN LAKE	NEVADA ID	69.800	36.730	61.080	25.040	68
	SPAULDING SYSTEM	PAC GAS AND ELEC CO	137.400	62.820	73.950	36.640	58
	SCOTT FLAT	NEVADA ID	48.500	38.260	48.550	48.550	127
BEAR R	ROLLINS	NEVADA ID	66.000	65.990(6)	65.990	65.990	99
	CAMP FAR WEST	SO SUTTER WATER DIST	104.400	103.830(6)	106.100	107.400	102
AMERICAN R	FRENCH MEADOWS	PLACER CO WATER AGENC	133.700	83.840(6)	84.780	55.240	65
	LOWER HELL HOLE	PLACER CO WATER AGENC	208.400	120.830(6)	150.360	62.670	51
	LOON LAKE	SACRAMENTO MUD	76.500	19.300(6)	12.000	23.400	120
	TWIN LAKES	PAC GAS AND ELEC CO	21.600	7.800	10.070	7.200	92
	UNION VALLEY	SACRAMENTO MUD	271.000	157.820(6)	232.690	149.260	94
	ICE HOUSE	SACRAMENTO MUD	46.000	21.810	34.700	22.500	103
	FOLSOM	USBR	1010.300	566.690	614.000	794.500	140
STONY CR	EAST PARK	USBR	50.900	49.620	50.700	51.160	103
	STONY GORGE	USBR	50.000	48.760	50.850	53.180	109
	BLACK BUTTE	US CORPS OF ENGIN	160.000	86.170(6)	77.350	126.280	146
CACHE CR	CLEAR LAKE	CLEAR LAKE WATER CO	314.000	301.600	306.100	316.000	105
PUTAH CR	BERRYESSA	USBR	1602.300	1511.810	1604.200	1622.590	107
COSUMNES R	JENKINSON LAKE	USBR	41.000	37.290	41.130	41.260	111

TABLE 5 - STORAGE IN MAJOR RESERVOIRS (CONTINUED)

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) 1000 AF	STORAGE AS OF APRIL 1 10-YR AVE 1961-1970 1000 AF	1970 1000 AF	1971 1000 AF	1971 PER-CENT AVE
CENTRAL VALLEY AREA (CONTINUED)							
MOKELUMNE R	LOWER BEAR	PAC GAS AND ELEC CO	48.500	16.890	36.000	6.080	36
	SALT SPRINGS	PAC GAS AND ELEC CO	140.900	37.460	82.820	14.290	38
	PARDEE	EAST BAY MUD	210.000	177.270	191.970	185.840	105
	CAMANCHE	EAST BAY MUD	431.500	252.110(6)	258.770	311.780	123
CALAVERAS R	NEW HOGAN	US CORPS OF ENGIN	325.000	183.140(6)	172.060	182.810	99
STANISLAUS R	RELIEF	PAC GAS AND ELEC CO	15.600	4.050	6.000	6.670	165
	DONNELLS	OAKDALE-SO SAN JOAQ I	64.700	22.200	6.260	8.190	37
	HARTLEY LAKE	OAKDALE-SO SAN JOAQ I	98.300	56.490	77.840	39.990	71
	STRAWBERRY	PAC GAS AND ELEC CO	18.300	9.440	15.270	5.730	61
	MELONES	PAC GAS AND ELEC CO	112.600	83.980	104.810	51.720	62
	TULLOCH	OAKDALE-SO SAN JOAQ I	68.200	52.460	66.090	52.660	100
TUOLUMNE R	HETCH HETCHY	CITY CO SAN FRANCISCO	360.400	115.160	237.040	113.930	99
	CHERRY LAKE	CITY CO SAN FRANCISCO	268.200	91.890	181.480	84.760	92
	LAKE ELEANOR	CITY CO SAN FRANCISCO	26.100	9.170	23.360	4.670	51
	DON PEDRO	TURLOCK AND MODESTO I	2030.000	341.570(5)	181.040	341.570	100
	TURLOCK LAKE	TURLOCK ID	49.000	35.630	28.810	40.080	112
	MODESTO	MODESTO ID	27.000	19.020	24.100	22.100	116
MERCED R	LAKE MCCLURE	MERCED ID	1026.000	575.680(6)	708.400	595.310	102
SAN JOAQUIN R	FLORENCE LAKE	SO CALIF EDISON CO	64.600	0.510	0.430	0.480	93
	THOMAS A EDISON	SO CALIF EDISON CO	125.200	28.120	27.240	37.460	133
	MAMMOTH POOL	SO CALIF EDISON CO	122.700	16.250	4.640	16.240	100
	HUNTINGTON LAKE	SO CALIF EDISON CO	89.800	33.820	57.170	32.060	95
	SHAVER LAKE	SO CALIF EDISON CO	135.400	33.490	53.380	41.630	124
	CRANE VALLEY	PAC GAS AND ELEC CO	45.400	30.050	35.830	24.730	82
	MILLERTON LAKE	USBR	520.600	322.860	448.900	350.600	109
KINGS R	COURTRIGHT	PAC GAS AND ELEC CO	129.900	41.920	6.420	6.390	15
	WISHON	PAC GAS AND ELEC CO	128.600	24.740	18.370	20.180	82
	PINE FLAT	US CORPS OF ENGIN	1013.400	565.300	803.600	670.510	119
KERN R	ISABELLA	US CORPS OF ENGIN	570.000	160.070	262.260	164.940	103
KAWEAH R	TERMINUS	US CORPS OF ENGIN	150.000	20.060(6)	14.700	15.790	78
TULE R	SUCCESS	US CORPS OF ENGIN	80.000	29.060(6)	31.330	26.500	90
LAHONTAN AREA							
TRUCKEE R	LAKE TAHOE(2,7)	TRUCKEE-CARSON ID	744.600	417.060	608.100	560.300	134
	BOCA (2)	WASHOE CO WCD	41.200	11.940	27.470	32.600	273
EAST WALKER R	BRIDGEPORT (2)	WALKER RIVER ID	42.500	31.440	42.500	42.500	135
MONO LAKE BASIN	SADDLEBAG LAKE	SO CALIF EDISON CO	11.100	2.460	3.230	2.010	82
	GEM LAKE	SO CALIF EDISON CO	17.600	2.200	1.920	3.070	139
	GRANT LAKE	CITY OF LOS ANGELES	47.500	32.330	44.490	25.880	80
OWENS R	SOUTH LAKE	SO CALIF EDISON CO	13.400	2.590	4.380	1.990	77
	LAKE CROWLEY	CITY OF LOS ANGELES	183.500	135.870	173.120	155.450	114
	TINEMAHA	CITY OF LOS ANGELES	16.600	2.690	7.910	2.080	77
	HAIWEE (SOUTH)	CITY OF LOS ANGELES	58.500	42.570	53.910	46.120	108
COLORADO DESERT AREA							
COLORADO R	LAKE POWELL (2,7)	USBR	25002.000	7879.000(6)	9535.000	12434.000	157
	LAKE MEAD (2,7)	USBR	26102.000	16052.500	16597.000	16289.000	101
	LAKE MOJAVE (2,7)	USBR	1810.000	1676.340	1610.500	1666.000	99
	LAKE HAVASU (2,7)	USBR	619.000	549.510	543.200	561.000	102

(1) TOTAL CAPACITY TO THE 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 6

RUNOFF DATA

AREA, STREAM, AND STATION (1)	MARCH 1971 MEASURED FLOW 1000 AF	MARCH 1971 UNIMPAIRED RUNOFF 50-YEAR AVE (2) 1000 AF	MARCH 1971 UNIMPAIRED RUNOFF MONTHLY TOTAL 1000 AF	MARCH 1971 UNIMPAIRED RUNOFF PER-CENT AVE	OCTOBER 1, 1970 - MARCH 31, 1971 MEASURED FLOW 1000 AF	OCTOBER 1, 1970 - MARCH 31, 1971 UNIMPAIRED RUNOFF 50-YEAR AVE (2) 1000 AF	OCTOBER 1, 1970 - MARCH 31, 1971 UNIMPAIRED RUNOFF SEASONAL TOTAL 1000 AF	OCTOBER 1, 1970 - MARCH 31, 1971 UNIMPAIRED RUNOFF PER-CENT AVE
NORTH COASTAL AREA								
KLAMATH, COPCO TO ORLEANS (6)	1305.400	587.330	1346.200	229	5509.600	2623.770	5684.600	217
SALMON AT SOMESBAR	364.000	157.980	364.000	230	1594.900	687.460	1594.900	232
TRINITY AT LEWISTON	9.200	156.780	223.200	142	63.200	587.760	927.900	158
EEL AT SCOTIA	1442.000	794.800	1470.300	185	7187.800	4478.430	7308.400	163
RUSSIAN AT HEALDSBURG	145.100	119.790	149.900	125	970.200	700.670	904.000	129
SAN FRANCISCO BAY AREA								
NAPA NEAR ST HELENA	8.010	9.020	8.010	89	81.200	57.810	81.200	140
COYOTE CREEK NEAR MADRONE	2.200	8.850	2.900	33	9.490	37.770	20.840	55
CENTRAL COASTAL AREA								
ARROYO SECO NEAR SOLEDAD	5.780	21.120	5.780	27	55.060	85.230	55.060	65
NACIMIENTO BELOW NACIMIENTO DAM, NEAR BRADLEY	0.650	37.300	7.130	19	17.230	164.010	120.690	74
SOUTH COASTAL AREA								
SESPE CREEK NEAR FILLMORE	3.750(3)	16.900	3.750	22	59.240(3)	60.960	59.240	97
ARROYO SECO NEAR PASADENA	0.430	1.450	0.430	30	2.770	5.020	2.770	55
SANTA ANA NEAR MENTONE	2.480(4)	9.480	0.360	4	20.180(4)	32.380	19.280	60
SACRAMENTO VALLEY AREA								
INFLOW TO SHASTA (7)	1046.700	742.190	1046.700	141	4539.700	3301.480	4539.700	138
SACRAMENTO ABOVE BEND BRIDGE (8)	724.400	1093.190	1493.600	137	3093.200	5028.070	6986.700	139
FEATHER, INFLOW TO OROVILLE	694.100	575.520	980.400	170	2028.400	2236.030	2803.500	125
YUBA AT SMARTVILLE (5)	114.700	295.340	393.100	133	1134.600	1144.310	1421.400	124
AMERICAN, INFLOW TO FOLSOM	106.200	350.770	390.200	111	1380.000	1228.330	1350.400	110
COSUMNES AT MICHIGAN BAR	57.700	65.590	62.190	95	210.870	216.300	229.040	106
MOKELUMNE, INFLOW TO PARDEE	76.500	72.240	71.700	99	349.000	233.000	257.100	110
SAN JOAQUIN VALLEY AREA								
STANISLAUS, INFLOW TO MELONES	26.700	112.360	108.700	97	308.600	348.910	385.900	111
TUOLUMNE, INFLOW TO DON PEDRO	127.300	169.020	144.900	86	490.000	567.810	571.000	101
MERCED, INFLOW TO EXCHEQUER	51.000	90.480	58.000	64	179.300	298.530	221.200	74
SAN JOAQUIN, INFLOW TO MILLERTON	2.000	127.760	110.500	86	14.000	401.330	377.800	94
KINGS, INFLOW TO PINE FLAT	98.500	106.370	80.100	75	151.000	343.940	292.900	85
KAWEAH, INFLOW TO TERMINUS	19.600	37.960	27.500	72	82.200	122.350	90.400	74
TULE, INFLOW TO SUCCESS	1.900	24.280	10.400	43	30.200	72.640	45.100	62
KERN NEAR BAKERSFIELD	48.600	55.170	41.900	76	165.000	191.580	170.500	89
LAHONTAN AREA								
TRUCKEE, TAHOE TO FARAD (6)	42.600	35.100	47.300	135	217.100	109.940	126.000	115
WEST FORK CARSON AT WOODFORDS	4.500	3.400	4.500	132	15.400	15.150	15.400	102
EAST FORK CARSON NEAR GARDNERVILLE	16.200	14.100	16.200	115	61.700	53.810	61.700	115
WEST WALKER BELOW LITTLE WALKER, NEAR COLEVILLE	6.630	5.550	6.630	119	28.880	23.360	28.880	124
EAST WALKER NEAR BRIDGEPORT	3.770	7.750	9.270	120	10.090	33.240	37.590	113
OWENS BELOW LONG VALLEY DAM	10.320	12.050	9.170	76	96.610	63.000	61.320	97
COLORADO DESERT AREA								
COLORADO, INFLOW TO LAKE POWELL	600.000	565.680	687.000	121	3101.000	2547.720	3100.000	122

(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 READ BLUFF.