CALIFORNIA COOPERATIVE SNOW SURVEYS

STATE OF CALIFORNIA
The Resources Agency

Department of Water Resources

BULLETIN No. 120-72

WATER CONDITIONS IN CALIFORNIA

REPORT No. 4

MAY 1, 1972

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
The Resources Agency
DEPARTMENT OF WATER RESOURCES

RONALD REAGAN, Governor
NORMAN B. LIVERMORE, Secretary for Resources
WILLIAM R. GIANELLI, Director, Department of Water Resources
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DIVISION OF RESOURCES DEVELOPMENT

HERBERT W. GREYDANUS . . . . . DIVISION ENGINEER

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WATER CONDITIONS INDEXES

BULLETIN 120, "WATER CONDITIONS IN CALIFORNIA", IS RELEASED ON THE 10TH OF FEBRUARY, MARCH, APRIL, AND MAY OF EACH YEAR. A FALL EDITION SUMMARIZING WATER CONDITIONS IN CALIFORNIA AT THE END OF THE WATER YEAR IS PUBLISHED IN OCTOBER.

THE PRINCIPAL INDEXES OF WATER CONDITIONS IN CALIFORNIA ARE LISTED BELOW WITH PERTINENT COMMENTS REGARDING THEIR PRESENTATION IN THIS REPORT.

SNOWPACK - APRIL 1 SNOW DATA ARE MAJOR INDEXES OF SPRING AND SUMMER RUNOFF FROM SIERRA WATERSHEDS AND HISTORICALLY REFLECT THE MAGNITUDE OF THE SNOWPACK AT NEAR MAXIMUM SEASONAL ACCUMULATION. AVERAGES ARE BASED ON THE PERIOD, 1931-1970 (40 YEARS).

PRECIPITATION - AVERAGES ARE BASED ON THE PERIOD, 1931-1970 (40 YEARS).

RESERVOIR STORAGE - AVERAGES ARE BASED ON THE PERIOD, 1961-1970 (10 YEARS).

RUNOFF - UNLESS OTHERWISE NOTED, STREAMFLOW DATA USED AS INDEXES OF BASIN OR AREA RUNOFF HAVE BEEN CORRECTED FOR MAJOR UPSTREAM IMPAIRMENTS. FORECASTS OF RUNOFF ASSUME NORMAL PRECIPITATION TO FOLLOW. RUNOFF PROBABILITY RANGES ARE STATISTICALLY DERIVED FROM HISTORICAL DATA; 80 PERCENT PROBABILITY MEANS THAT ACTUAL RUNOFF WILL FALL WITHIN THE STATED LIMITS EIGHT TIMES OUT OF TEN. AVERAGES ARE BASED ON THE PERIOD, 1921-1970 (50 YEARS).

AGENCIES COOPERATING IN THE CALIFORNIA SNOW SURVEYS PROGRAM

PUBLIC AGENCIES
- BUENA VISTA WATER STORAGE DISTRICT
- CENTRAL CALIFORNIA IRRIGATION DISTRICT
- EAST BAY MUNICIPAL UTILITY DISTRICT
- FRIANT WATER USERS ASSOCIATION
- KAWEAH DELTA WATER CONSERVATION DISTRICT
- KAWEAH RIVER ASSOCIATION
- 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
- OROVILLE-WYANDOTTE IRRIGATION 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

PUBLIC AGENCIES (CONTINUED)
- VANDALIA IRRIGATION DISTRICT
- YUBA COUNTY WATER AGENCY

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

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

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

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

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

FIGURE 1

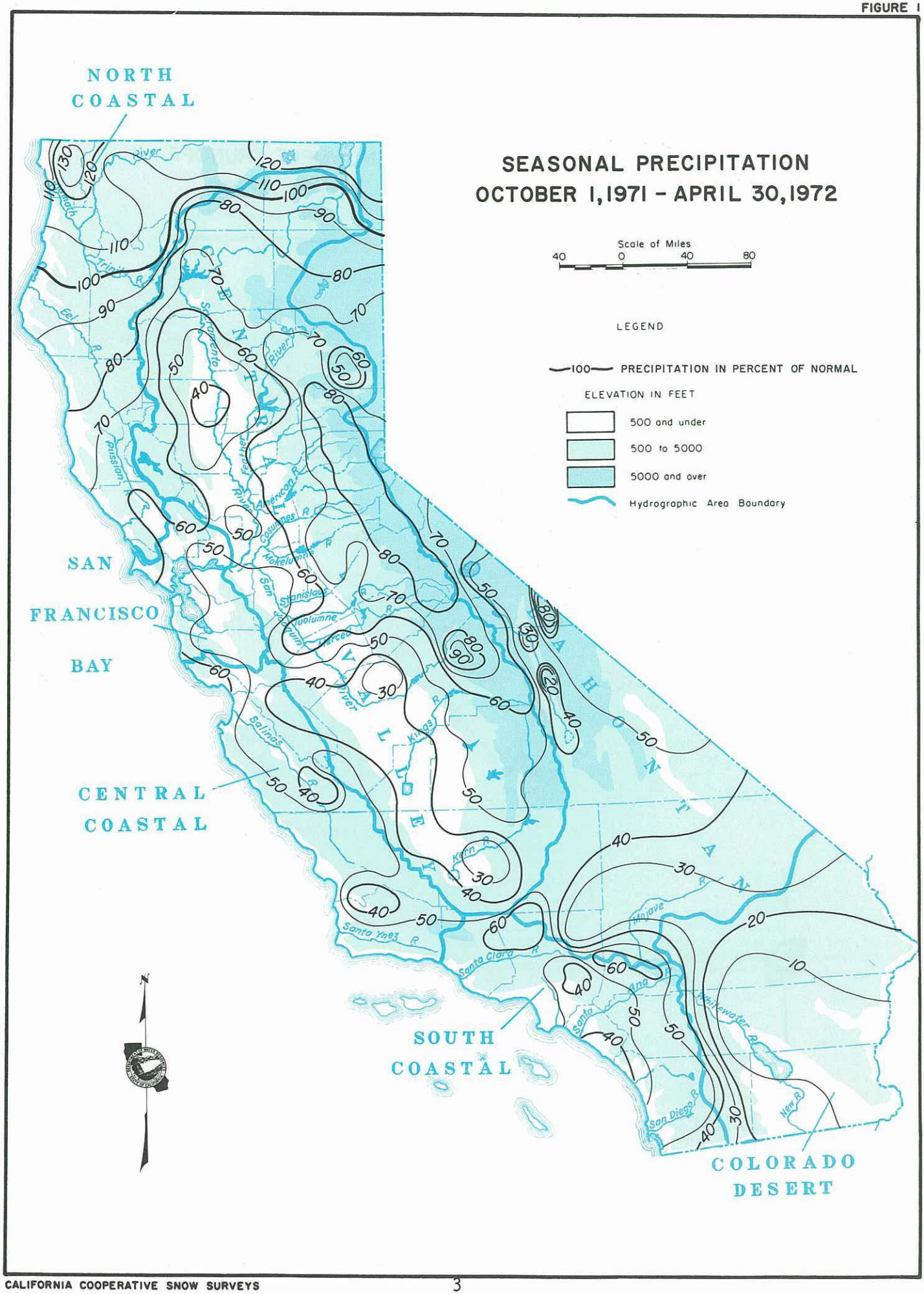
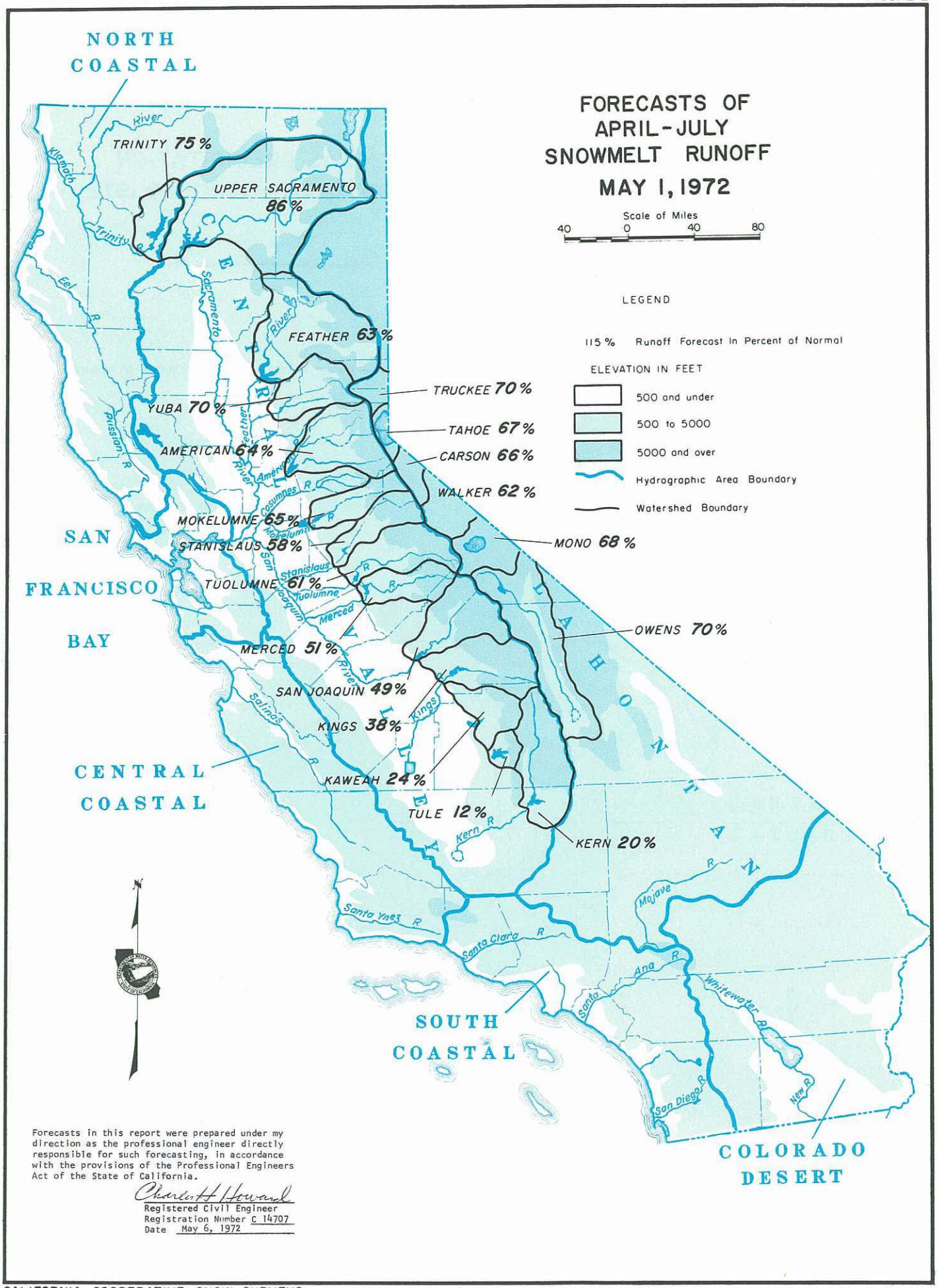

SEASONAL PRECIPITATION
OCTOBER 1, 1971 - APRIL 30, 1972
Scale of Miles
40 0 40 80
LEGEND
100 PRECIPITATION IN PERCENT OF NORMAL
ELEVATION IN FEET
500 and under
500 to 5000
5000 and over
Hydrographic Area Boundary
NORTH COASTAL
SAN FRANCISCO BAY
CENTRAL COASTAL
SOUTH COASTAL
COLORADO DESERT
CENTRAL VALLEY
MOHAVE
Sacramento River
Feather River
American R
Cosumnes R
Mokelumne R
San Joaquin River
Stanislaus R
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
Eel R
Trinity R
Russian R
Klamath River
N

FIGURE 2



Forecasts in this report were prepared under my direction as the professional engineer directly responsible for such forecasting, in accordance with the provisions of the Professional Engineers Act of the State of California.

Charles H Howard
Registered Civil Engineer
Registration Number C 14707
Date May 6, 1972

SUMMARY OF WATER CONDITIONS

MAY 1, 1972

SUMMER OF 72 WILL BE RATHER DRY FOR MUCH OF CALIFORNIA. ABOVE NORMAL PRECIPITATION IN MUCH OF THE MOUNTAINOUS AREAS OF THE NORTHERN HALF OF THE STATE, COUPLES WITH COOLER TEMPERATURES STATEWIDE, PRODUCED A LEVELING OFF OF THE RAPID SNOWPACK DEPLETION. MAY 1 SNOW SURVEYS SHOWED SEVERAL OF THE HIGHER ELEVATION COURSES HAD ACTUALLY GAINED SOME WATER CONTENT DURING THE MONTH. HOWEVER, THE LOW AND MID-ELEVATION SNOW COURSES ARE ESSENTIALLY BARE.

THE SLOWING OF EARLY SEASON MELT, PLUS SMALL ADDITIONS TO THE SNOWPACK ON SOME COURSES, HAS RESULTED IN SLIGHT INCREASES IN THE RUNOFF FORECASTS FOR THE PERIOD THROUGH JULY, EXCEPT FOR THE STREAMS TRIBUTARY TO THE TULARE LAKE BASIN. RUNOFF FORECASTS NOW RANGE FROM 90 PERCENT OF NORMAL FOR THE PIT RIVER TO A MEAGER 12 PERCENT OF NORMAL FOR THE TULE RIVER. THE MAJORITY OF CENTRAL VALLEY STREAMS ARE FORECAST TO PRODUCE 50 TO 60 PERCENT OF NORMAL RUNOFF.

STATISTICALLY, RUNOFF IN THE CENTRAL VALLEY WILL BE THE SIXTH LOWEST IN 20 YEARS. IN THE SAN JOAQUIN BASIN PORTION, RUNOFF WILL BE THE FIFTH LOWEST IN 70 YEARS AND THE APRIL THROUGH JULY RUNOFF IN THE KERN RIVER MAY REACH AN ALL-TIME MINIMUM, DROPPING BELOW 20 PERCENT OF NORMAL FOR THE PERIOD. RUNOFF DURING APRIL CONTINUED BELOW NORMAL THROUGHOUT THE STATE. IN THE MORE NORTHERLY STREAMS THIS WAS CAUSED BY SLOWING OF THE SNOWMELT RATES. STATEWIDE, RUNOFF WAS 70 PERCENT OF NORMAL DURING APRIL, RANGING FROM 55 TO 90 PERCENT IN CENTRAL VALLEY TRIBUTARIES AND DROPPING TO A MINISCULE 8 PERCENT OF NORMAL IN THE SOUTH COAST AREA.

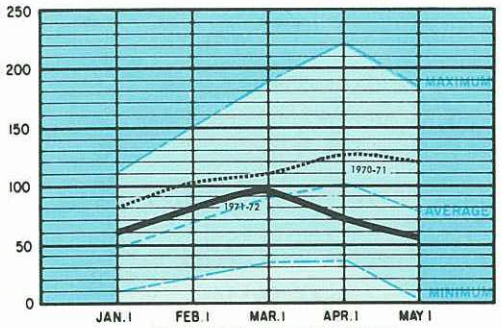
RESERVOIR STORAGE REMAINS GOOD, ON A STATEWIDE BASIS, BUT WATER USE AND LOW INFLOWS THIS SUMMER WILL RESULT IN MINIMUM CARRYOVER SUPPLIES FOR NEXT YEAR ON SOME STREAM SYSTEMS. EXTENSIVE USE OF GROUND WATER SUPPLIES IN THE SAN JOAQUIN VALLEY WILL BE REQUIRED THIS YEAR. IN SOUTHERN CALIFORNIA, USERS OF COLORADO RIVER WATER ARE ASSURED NORMAL DELIVERIES FROM STORAGE PROJECTS WHICH ARE STORING NORMAL OR ABOVE NORMAL SUPPLIES AT THIS TIME.

ONE MAJOR EFFECT OF THE IMPENDING DRY SUMMER ON THE GENERAL PUBLIC WILL BE THE HIGHER THAN USUAL FIRE HAZARD IN CALIFORNIA THIS YEAR. LOW WATER SUPPLIES, AND TINDER DRY FORESTS, MAY RESULT IN USE RESTRICTIONS IN ATTEMPTS TO AVERT THE TRIGGERING OF MAJOR FOREST AND BRUSHLAND FIRES.

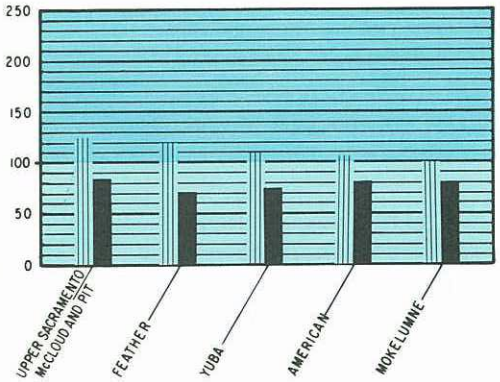
SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROGRAPHIC AREA	PRECIPITATION OCTOBER 1 TO DATE	SNOW WATER CONTENT	RESERVOIR STORAGE	RUNOFF	
				OCTOBER 1 TO DATE	WATER YEAR FORECAST
North Coastal	95	70	105	115	110
San Francisco Bay	50	--	85	25	25
Central Coastal	50	--	70	30	30
South Coastal	50	--	110	40	50
Central Valley					
Sacramento Basin	65	75	105	80	75
San Joaquin and Tulare Lake Basins	55	60	85	65	55
Lahontan	65	80	90	95	75
Colorado Desert	10	--	--	--	--
ENTIRE STATE	65	70	100	90	80

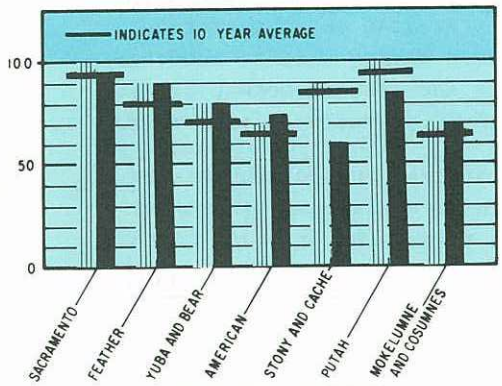
SACRAMENTO RIVER BASIN



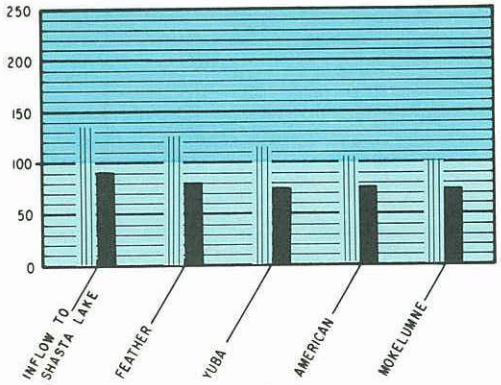
SNOWPACK ACCUMULATION
WATER CONTENT IN PERCENT OF APRIL 1 AVERAGE



PRECIPITATION
OCTOBER 1 TO DATE IN PERCENT OF AVERAGE



RESERVOIR STORAGE
CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY



RUNOFF
OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

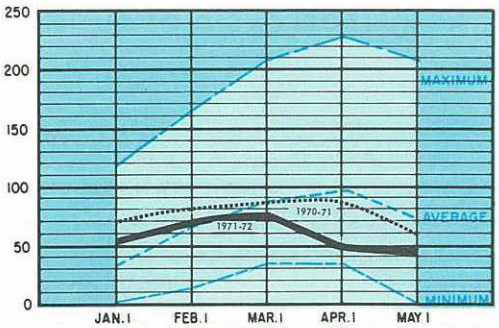
MAY 1, 1971 ═══ MAY 2, 1972 ▬

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 67 SNOW COURSES AND 19 AERIAL SNOW DEPTH MARKERS ON OR ABOUT MAY 1. ALSO, READINGS OF WATER CONTENT WERE OBTAINED FROM 14 SNOW SENSORS. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT WAS 75 PERCENT OF AVERAGE AS COMPARED TO 160 PERCENT ONE YEAR AGO. WATER CONTENT RANGES FROM A LOW OF 70 PERCENT OF AVERAGE IN THE FEATHER RIVER BASIN TO A HIGH OF 95 PERCENT OF AVERAGE IN THE YUBA RIVER BASIN. SNOW COURSES AT THE HIGHER ELEVATIONS REPORTED INCREASES IN SNOWPACK WATER CONTENT DURING APRIL. FOR EXAMPLE UPPER CARSON PASS, IN THE AMERICAN RIVER BASIN, REPORTED AN INCREASE OF 7.9 INCHES. MANY LOW ELEVATION SNOW COURSES REPORTED ONLY PATCHES OF SNOW OR ZERO READINGS.

PRECIPITATION - FROM OCTOBER 1, 1971, THROUGH APRIL 30, 1972, PRECIPITATION OVER THE SACRAMENTO VALLEY AREA AVERAGED 65 PERCENT OF NORMAL. SEASONAL PRECIPITATION VALUES VARIED FROM 104 PERCENT OF NORMAL AT JESS VALLEY, IN THE PIT RIVER DRAINAGE, TO 40 PERCENT OF NORMAL AT WILLOWS, ON THE VALLEY FLOOR. MOUNTAIN SUBDRAINAGE AMOUNTS WERE A THIRD TO ONE-HALF LESS THAN LAST YEAR'S VALUES FOR THE CORRESPONDING PERIOD. THE GREATEST OCTOBER-APRIL CATCH IN THE BASIN OF 53.92 INCHES OR 88 PERCENT OF NORMAL WAS REPORTED FROM LAKE SPAULDING, IN THE YUBA RIVER DRAINAGE. HOWEVER, THE SERIES OF SEVEN SUBNORMAL MONTHS OVER THE VALLEY FLOOR RESULTED IN THE DRIEST OCTOBER-APRIL PERIOD SINCE RECORDS BEGAN IN 1878 AT RED BLUFF. THE 8.66 INCHES (44 PERCENT) WERE 0.41 INCH LESS THAN THE PREVIOUS RECORD DRY PERIOD SET IN 1939. APRIL PRECIPITATION WAS LIGHT OVER THE VALLEY FLOOR AND MODERATE OVER THE MOUNTAIN DRAINAGES, AVERAGING 95 PERCENT OF NORMAL OVER THE ENTIRE AREA. IT VARIED FROM 8.52 INCHES, 152 PERCENT, AT PIT RIVER P. H. #5 TO 0.53 INCH, 29 PERCENT, AT PASKENTA RANGER STATION.

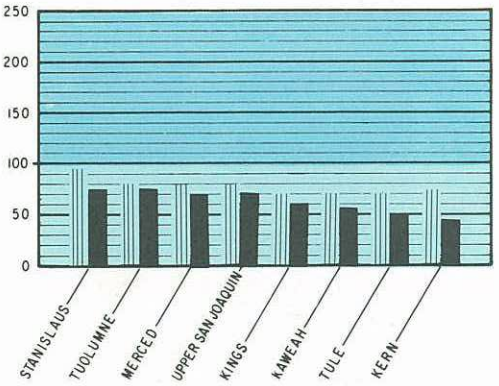
RESERVOIR STORAGE - MAY 1 STORAGE IN THIRTY-FOUR MAJOR RESERVOIRS IN THE SACRAMENTO RIVER SYSTEM IS 14,038,000 ACRE-FEET, DOWN 270,000 ACRE-FEET FROM ONE YEAR AGO. THIS AMOUNTS TO 88 PERCENT OF TOTAL CAPACITY AND 105 PERCENT OF AVERAGE CONTENTS FOR THIS DATE. TOTAL INCREASE IN STORAGE DURING APRIL AMOUNTED TO 1,047,000 ACRE-FEET.

RUNOFF - APRIL RUNOFF IN MAJOR SACRAMENTO VALLEY STREAMS AMOUNTED TO 2,110,700 ACRE-FEET OR 76 PERCENT OF AVERAGE FOR THE MONTH. TOTAL RUNOFF AMOUNTED TO 10,059,000 ACRE-FEET FROM OCTOBER 1 THROUGH APRIL 30 OR 80 PERCENT OF AVERAGE FOR THAT PERIOD. WARM TEMPERATURES THROUGHOUT THE LATE WINTER AND EARLY SPRING RESULTED IN MOST STREAMS IN THE AREA PRODUCING THEIR SNOWMELT PEAK DURING THE MONTH OF MARCH.



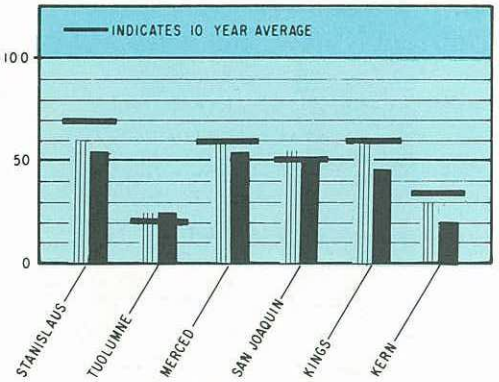
SNOWPACK ACCUMULATION

WATER CONTENT IN PERCENT OF APRIL 1 AVERAGE



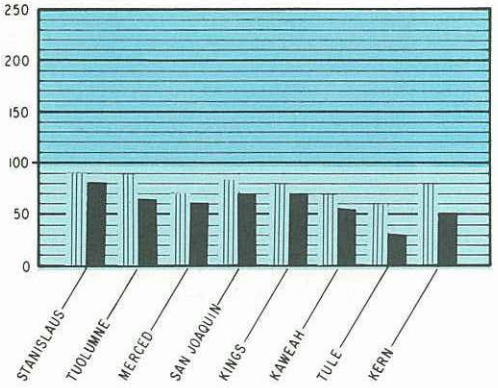
PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE



RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY



RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

MAY 1, 1971 ═══ MAY 1, 1972 ▬

SAN JOAQUIN RIVER AND TULARE LAKE BASINS

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 55 SNOW COURSES AND 32 AERIAL SNOW DEPTH MARKERS ON OR ABOUT MAY 1. ALSO, READINGS OF WATER CONTENT WERE OBTAINED FROM 7 SNOW SENSORS. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT WAS 60 PERCENT OF AVERAGE AS COMPARED TO 85 PERCENT ONE YEAR AGO. SNOWPACK WATER CONTENT RANGES FROM A HIGH OF 70 PERCENT OF AVERAGE IN THE STANISLAUS, TUOLUMNE, AND MERCED RIVER BASINS TO A LOW OF 15 PERCENT OF AVERAGE IN THE KERN RIVER BASIN.

EIGHTEEN SNOW COURSES AND 28 AERIAL SNOW DEPTH MARKERS REPORTED BARE CONDITIONS. IN THE SOUTHERN BASINS, COURSES WITH NORTH AND EAST EXPOSURES STILL HAD SNOW WHILE MOST WITH SOUTH AND WEST EXPOSURES REPORTED NO SNOW.

PRECIPITATION - FROM OCTOBER 1, 1971, THROUGH APRIL 30, 1972, PRECIPITATION AVERAGED 55 PERCENT OF NORMAL OVER THE SAN JOAQUIN RIVER AND TULARE LAKE BASINS. SEASONAL PRECIPITATION VALUES RANGED FROM 90 PERCENT OF NORMAL AT HUNTINGTON LAKE, IN THE UPPER SAN JOAQUIN RIVER DRAINAGE, TO A SCANT 30 PERCENT AT BAKERSFIELD, ON THE TULARE LAKE VALLEY FLOOR. SIERRA DRAINAGES HAVE AVERAGED 60 PERCENT OF NORMAL FOR THE PERIOD WHILE THE VALLEY FLOOR HAS RECEIVED ONLY 45 PERCENT. ALL MOUNTAIN SUBDRAINAGES HAVE VALUES SUBSTANTIALLY LESS THAN AMOUNTS RECEIVED FOR THE CORRESPONDING PERIOD ONE YEAR AGO. THE HIGHEST SEASONAL TOTAL IN THE AREA OF 34.02 INCHES (89 PERCENT OF NORMAL) WAS REPORTED FROM PINECREST STRAWBERRY, IN THE STANISLAUS RIVER DRAINAGE. HOWEVER, THE PERSISTENT DROUGHT HAS ESTABLISHED ALL-TIME RECORD LOW OCTOBER-APRIL TOTALS AT TRACY CARBONA WITH 3.46 INCHES (40 PERCENT), MADERA WITH 3.09 INCHES (30 PERCENT), AND BAKERSFIELD'S 1.72 INCH WAS THE SECOND DRIEST SINCE 1874. ONLY 1879 (1.28 INCH) WAS DRIER. APRIL PRECIPITATION AVERAGED 70 PERCENT OF NORMAL OVER THE ENTIRE AREA. EXTREMES VARIED FROM A HIGH OF 5.86 INCHES AT YOSEMITE, IN THE MERCED RIVER DRAINAGE, TO ZERO AT SOUTH BELRIDGE, ON THE TULARE LAKE VALLEY FLOOR.

RESERVOIR STORAGE - MAY 1 STORAGE IN TWENTY-SEVEN MAJOR RESERVOIRS ON STREAMS TRIBUTARY TO THE SAN JOAQUIN VALLEY AMOUNTED TO 3,013,000 ACRE-FEET. THIS IS 294,000 ACRE-FEET MORE THAN WAS IN STORAGE ONE MONTH AGO. STORAGE IS NOW 85 PERCENT OF AVERAGE FOR THIS DATE. THE STORAGE AMOUNTS VARY WIDELY IN INDIVIDUAL RESERVOIRS RANGING FROM A LOW OF 25 PERCENT OF AVERAGE FOR MAMMOTH POOL, ON THE SAN JOAQUIN RIVER, TO 156 PERCENT OF AVERAGE FOR LAKE THOMAS A. EDISON, ALSO ON THE SAN JOAQUIN RIVER. DON PEDRO RESERVOIR INCREASED BY 172,000 ACRE-FEET SINCE ONE YEAR AGO AND IS NOW STORING 542,000 ACRE-FEET.

RUNOFF - APRIL FLOWS IN MAJOR STREAMS TRIBUTARY TO THE SAN JOAQUIN VALLEY WERE 647,000 ACRE-FEET WHICH IS ABOUT 50 PERCENT OF AVERAGE FOR THE MONTH. FLOWS DURING APRIL IN THE AREA RANGED FROM 16 PERCENT OF AVERAGE ON THE TULE RIVER TO 63 PERCENT OF AVERAGE ON THE STANISLAUS RIVER. RUNOFF DURING THE PERIOD OCTOBER 1 THROUGH APRIL 30 AMOUNTED TO 2,373,900 ACRE-FEET WHICH IS 65 PERCENT OF AVERAGE FOR THAT PERIOD.

FORECASTS OF RUNOFF F

A

MAY

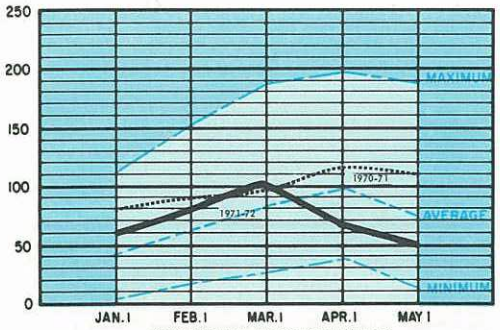
DRAINAGE BASIN AND WATERSHED	April Through July in 1,000 Acre-Feet					
	HISTORICAL			FORECASTS		
	50-Year Average	Maximum of Record	Minimum of Record	April-July Forecast	Percent of Average	80% Prob. Range Acre-Feet
SACRAMENTO RIVER BASIN						
Upper Sacramento River						
Pit River inflow to Shasta Lake	1,012	1,796	480	900	89	--
McCloud River inflow to Shasta Lake	422	850	194	350	83	--
Sacramento River inflow to Shasta Lake	288	636	39	220	76	--
Total inflow to Shasta Lake	1,774	3,064	726	1,530	86	1,310 to 1,830
Sacramento River near Red Bluff	2,424	4,611	943	2,000	83	1,700 to 2,400
Feather River						
Inflow to Lake Almanor (nr Prattville)	326	675	120	235	72	--
North Fork at Pulga	1,031	2,416	254	670	65	--
Middle Fork near Clio	85	518	8	30	35	--
South Fork at Enterprise	106	267	19	70	66	--
Total inflow to Oroville Reservoir	1,862	4,676	396	1,180	63	960 to 1,480
Yuba River						
North Fork below Goodyears Bar	289	647	68	200	69	--
Combined inflow to Jackson Mdw. and Bowman Reservoirs	109	236	37	80	74	--
South Fork at Langs Crossings	233	481	74	175	75	--
Yuba River at Smartville	1,079	2,424	239	750	70	670 to 900
American River						
North Fork at North Fork Dam	264	716	48	165	63	--
Middle Fork near Auburn	548	1,406	117	350	64	--
Silver Creek below Camino Diversion Dam	180	383	43	120	67	--
Total inflow to Folsom Reservoir	1,314	3,074	257	840	64	740 to 1,000
Sacramento River at Sacramento						
Cosumnes River						
Cosumnes River at Michigan Bar	145	361	12	60	41	40 to 90
Mokelumne River						
North Fork near West Point	416	829	143	280	67	--
Total inflow to Pardee Reservoir	465	1,065	127	300	65	250 to 360
SAN JOAQUIN RIVER BASIN						
Stanislaus River						
Middle Fork at Sand Bar Flat near Avery	339	702	83	210	62	--
Total inflow to Melones Reservoir	718	1,710	167	420	58	350 to 520
Tuolumne River						
Cherry Creek and Eleanor Creek near Hetch Hetchy	305	560	102	195	64	--
Tuolumne River near Hetch Hetchy	599	1,392	215	420	70	--
Total inflow to Don Pedro Reservoir	1,193	2,609	385	730	61	630 to 860
Merced River						
Merced River at Pohono Bridge	359	888	121	195	54	--
Total inflow to Exchequer	608	1,491	175	310	51	270 to 380
San Joaquin River						
South Fork near Florence Lake	187	511	58	110	59	--
Big Creek below Huntington Lake	85	264	19	40	47	--
San Joaquin River at Mammoth Pool	971	2,218	254	500	51	--
Total inflow to Millerton Lake	1,193	3,355	310	580	49	480 to 700
San Joaquin River near Vernalis						
TULARE LAKE BASIN						
Kings River						
North Fork near Cliff Camp	232	478	50	90	39	--
Total inflow to Pine Flat Reservoir	1,163	3,163	280	445	38	345 to 545
Kaweah River						
Total inflow to Terminus Reservoir	271	814	69	65	24	45 to 85
Tule River						
Total inflow to Success Reservoir	59	222	2	7	12	2 to 10
Kern River						
Kern River near Kernville	349	1,200	75	80	23	--
Total inflow to Isabella Reservoir	419	1,649	84	85	20	50 to 155

NTRAL VALLEY STREAMS

972

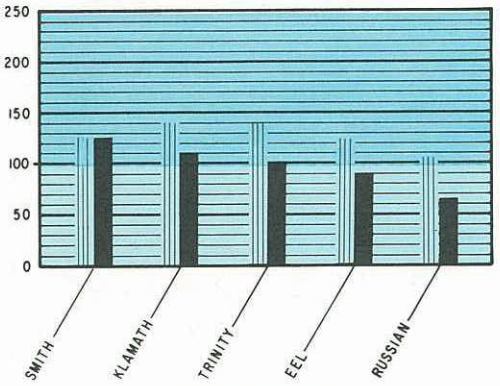
Water Year --- October Through September --- in 1,000 Acre-Feet												
HISTORICAL			*	*	*	*	FORECASTS					
50-Year Average	Maximum of Record	Minimum of Record	October Through January	February	March	April	May	June	July	August and September	Water Year Forecast	Percent of Average
2,863	4,698	1,484	996	354	624	382	--	--	--	--	3,140	110
1,222	2,353	632	301	114	145	143	--	--	--	--	1,020	83
780	1,767	171	140	79	148	97	--	--	--	--	610	78
5,481	9,700	2,479	1,485	560	948	700	400	250	180	407	4,930	90
7,950	15,121	3,294	1,963	759	1,236	872	--	--	--	--	6,430	81
722	1,269	396	--	--	--	--	--	--	--	--	--	--
2,265	4,400	819	--	--	--	--	--	--	--	--	--	--
203	637	41	--	--	--	--	--	--	--	--	--	--
257	562	67	--	--	--	--	--	--	--	--	--	--
4,286	9,492	1,295	733	412	725	525	365	190	100	160	3,210	75
526	1,056	162	--	--	--	--	--	--	--	--	--	--
166	292	60	--	--	--	--	--	--	--	--	--	--
343	565	114	--	--	--	--	--	--	--	--	--	--
2,266	4,544	603	312	213	345	270	310	140	30	20	1,640	72
550	1,234	110	--	--	--	--	--	--	--	--	--	--
1,009	2,575	283	--	--	--	--	--	--	--	--	--	--
298	537	83	--	--	--	--	--	--	--	--	--	--
2,570	5,787	543	288	185	546	325	350	130	35	16	1,875	73
												77
363	876	40	45	33	47	35	13	8	4	--	185	51
583	1,009	197	--	--	--	--	--	--	--	--	--	--
705	1,692	190	62	32	99	80	145	70	5	2	495	70
456	929	128	--	--	--	--	--	--	--	--	--	--
1,085	2,834	261	123	42	151	125	175	95	25	9	745	69
428	740	158	--	--	--	--	--	--	--	--	--	--
738	1,661	265	--	--	--	--	--	--	--	--	--	--
1,789	3,756	546	145	73	180	145	345	205	35	16	1,155	65
439	1,020	145	--	--	--	--	--	--	--	--	--	--
920	2,203	252	78	35	78	80	150	70	10	4	505	55
226	653	71	--	--	--	--	--	--	--	--	--	--
100	298	22	--	--	--	--	--	--	--	--	--	--
1,256	2,964	361	--	--	--	--	--	--	--	--	--	--
1,659	4,368	444	137	51	138	125	250	150	55	24	930	56
												61
266	542	58	--	--	--	--	--	--	--	--	--	--
1,568	4,243	392	117	38	113	115	180	125	25	22	735	47
404	1,265	102	30	13	29	27	25	11	2	3	140	29
133	499	19	16	6	6	4	2	1	--	--	35	26
514	1,800	147	--	--	--	--	--	--	--	--	--	--
629	2,207	175	56	17	30	25	25	25	10	12	200	32

Monthly unimpaired values are based on historical years of similar magnitude.
* Unimpaired flows to date.



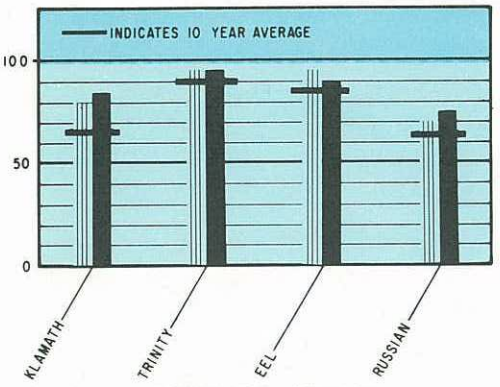
SNOWPACK ACCUMULATION

WATER CONTENT IN PERCENT OF APRIL I AVERAGE



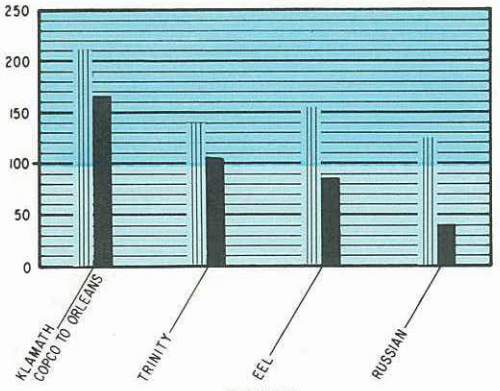
PRECIPITATION

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

NORTH COASTAL AREA

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 9 SNOW COURSES ON OR ABOUT MAY 1. THESE MEASUREMENTS INDICATE THAT SNOWPACK WATER CONTENT IS 70 PERCENT OF AVERAGE AS COMPARED TO 165 PERCENT ONE YEAR AGO. SNOW COURSES AT THE HIGHER ELEVATIONS INDICATED AN INCREASE IN SNOWPACK WATER CONTENT WHILE SOME OF THE LOW ELEVATION COURSES REPORTED ZERO READINGS. DENSITY RANGED AROUND THE 50 PERCENT LEVEL, NORMAL FOR THIS TIME OF YEAR.

THE OREGON COOPERATIVE SNOW SURVEYS REPORTS THAT SNOWPACK WATER CONTENT IN THE UPPER KLAMATH RIVER BASIN ON MAY 1 WAS 130 PERCENT OF NORMAL AS COMPARED TO 160 PERCENT ONE YEAR AGO.

PRECIPITATION - PRECIPITATION IN THE NORTH COASTAL AREA AVERAGED 95 PERCENT OF NORMAL FOR THE PERIOD OCTOBER 1 THROUGH APRIL 30. IT VARIED FROM 133 PERCENT OF NORMAL AT CRESCENT CITY 11E, IN THE SMITH RIVER DRAINAGE, TO 53 PERCENT AT HEALDSBURG, IN THE RUSSIAN RIVER DRAINAGE. WITH THE EXCEPTION OF THE SMITH, ALL SUBDRAINAGES HAVE CATCH AMOUNTS SUBSTANTIALLY LESS THAN LAST YEAR'S VALUES FOR THIS SAME PERIOD. THE GREATEST STATEWIDE SEASONAL TOTAL OVER THE 7-MONTH PERIOD WAS 121.27 INCHES REPORTED AT CRESCENT CITY 11E. APRIL PRECIPITATION AVERAGED 110 PERCENT OF NORMAL OVER THE AREA. EXTREMES VARIED FROM 10.77 INCHES (142 PERCENT) AT CRESCENT CITY 11E TO 0.51 INCH (67 PERCENT) AT TULELAKE, IN THE LOST RIVER-BUTTE VALLEY DRAINAGE.

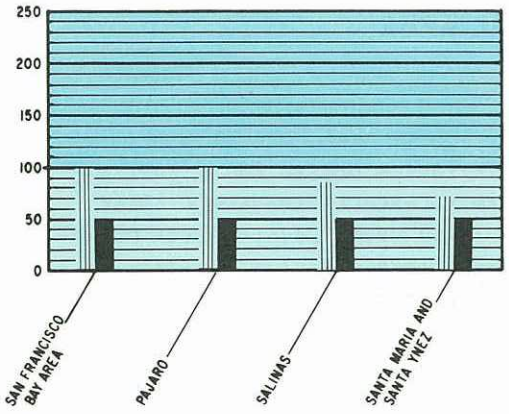
RESERVOIR STORAGE - THE FOUR MAJOR RESERVOIRS IN THIS AREA ARE STORING 2,570,000 ACRE-FEET OR 105 PERCENT OF AVERAGE FOR MAY 1. THIS IS AN INCREASE OF 59,000 ACRE-FEET DURING APRIL. THREE INTERSTATE RESERVOIRS ON THE KLAMATH RIVER SYSTEM ARE STORING 1,004,000 ACRE-FEET, WHICH IS 126 PERCENT OF AVERAGE FOR THIS DATE AND A GAIN OF 59,000 ACRE-FEET DURING APRIL.

RUNOFF - DURING APRIL, NORTH COASTAL STREAMS PRODUCED 88 PERCENT OF THEIR AVERAGE RUNOFF FOR THE MONTH. RUNOFF DURING APRIL RANGED FROM 43 PERCENT OF AVERAGE ON THE RUSSIAN RIVER, IN THE SOUTHERN PORTION, TO 99 PERCENT OF AVERAGE ON THE SALMON RIVER, IN THE NORTHERN PORTION. STILL REFLECTING THE HIGH RUNOFF EXPERIENCED DURING JANUARY IN THE NORTHERNMOST STREAMS, WATER YEAR RUNOFF FOR THE AREA IS NOW AVERAGING 115 PERCENT OF NORMAL.

FORECASTS - CONDITIONS AT THIS TIME INDICATE THAT RUNOFF OF THE NORTH COASTAL AREA DURING THE 1971-72 WATER YEAR WILL BE ABOUT 110 PERCENT OF AVERAGE. THE APRIL-JULY RUNOFF OF THE TRINITY RIVER AT LEWISTON IS FORECASTED TO BE ABOUT 460,000 ACRE-FEET, WHICH IS 75 PERCENT OF THE AVERAGE RUNOFF AT THIS STATION. THE U. S. SOIL CONSERVATION SERVICE, THE OREGON EXPERIMENT STATION, AND THEIR COOPERATORS, FORECAST THAT MAY-SEPTEMBER RUNOFF INTO UPPER KLAMATH LAKE WILL BE ABOUT 419,000 ACRE-FEET OR 100 PERCENT OF THE 1953-67 AVERAGE.

MAY 1, 1971 ═══ MAY 2, 1972 ▬

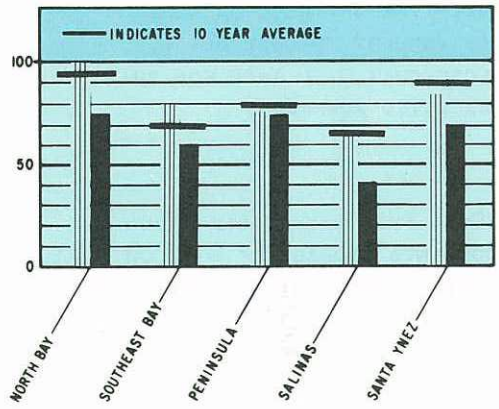
SAN FRANCISCO BAY AND CENTRAL COASTAL AREAS



PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

PRECIPITATION - IN THE SAN FRANCISCO BAY AND CENTRAL COASTAL AREAS, PRECIPITATION AVERAGED 50 PERCENT OF NORMAL FOR THE PERIOD OCTOBER 1 THROUGH APRIL 30. IT VARIED FROM 66 PERCENT OF NORMAL AT ANGWIN, IN THE NAPA RIVER DRAINAGE TO 34 PERCENT AT SANTA MARIA. ALL SUB-BASIN CATCHES ARE BELOW LAST YEAR'S VALUES, AS MUCH AS ONE-HALF LESS. SEASONAL CATCHES RANGE FROM 29.11 INCHES (62 PERCENT) REPORTED FROM LAGUNITAS LAKE, IN MARIN COUNTY, TO 4.20 INCHES AT SANTA MARIA. APRIL PRECIPITATION AVERAGED 45 PERCENT OF NORMAL OVER THE AREA. EXTREMES VARIED FROM 4.23 INCHES (117 PERCENT) AT LAGUNITAS LAKE TO 0.15 INCH (10 PERCENT) AT SANTA BARBARA.

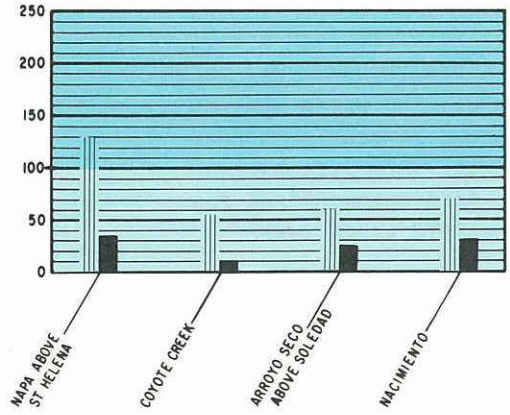


RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

RESERVOIR STORAGE - THE SEVENTEEN MAJOR RESERVOIRS IN THE SAN FRANCISCO BAY AREA WERE STORING 395,000 ACRE-FEET ON MAY 1. THIS IS 85 PERCENT OF AVERAGE AND 115,000 ACRE-FEET LESS THAN WAS IN STORAGE ONE YEAR AGO. SEVEN OF THESE RESERVOIRS STORE WATER IMPORTED FROM SIERRA WATERSHEDS. THE AREAS OF IMPORT, ALTHOUGH FORECASTED TO EXPERIENCE BELOW NORMAL RUNOFF CONDITIONS THIS SEASON, WILL PROVIDE ADEQUATE WATER SUPPLIES FOR ALL USERS.

IN THE CENTRAL COASTAL AREA, STORAGE IN SIX MAJOR RESERVOIRS IS 486,000 ACRE-FEET OR 70 PERCENT OF AVERAGE FOR MAY 1. THIS IS 203,000 ACRE-FEET LESS THAN WAS IN STORAGE ONE YEAR AGO.



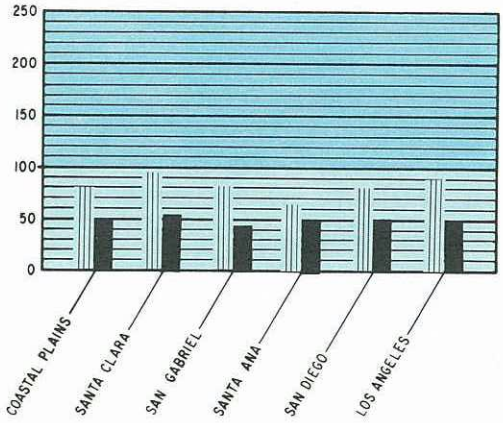
RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

RUNOFF - APRIL RUNOFF IN THE SAN FRANCISCO BAY STREAMS WAS ABOUT 15 PERCENT OF AVERAGE FOR THE MONTH. WITH RUNOFF FOR THE PERIOD OCTOBER 1 THROUGH APRIL 30 ONLY 25 PERCENT OF NORMAL, THIS AREA IS EXPERIENCING THE FOURTH DRIEST WATER YEAR OF THE PAST 30 YEARS. THE CENTRAL COASTAL STREAMS FARED SOMEWHAT BETTER THIS MONTH THAN LAST WITH RUNOFF FOR THE MONTH AVERAGING AT 15 PERCENT OF NORMAL. RUNOFF FOR THE WATER YEAR TO DATE IS NOW AVERAGING 30 PERCENT OF NORMAL FOR THE SEASON.

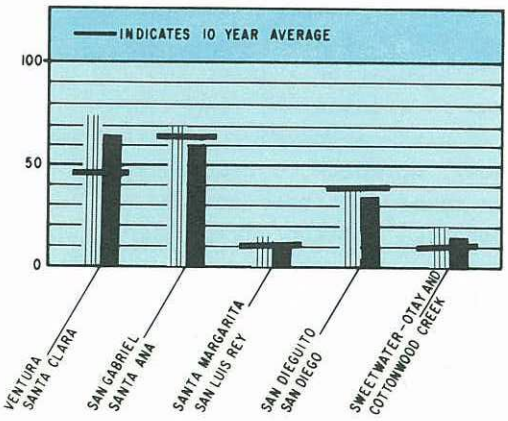
MAY 1, 1971 ═══ MAY 1, 1972 ■

SOUTH COASTAL AREA



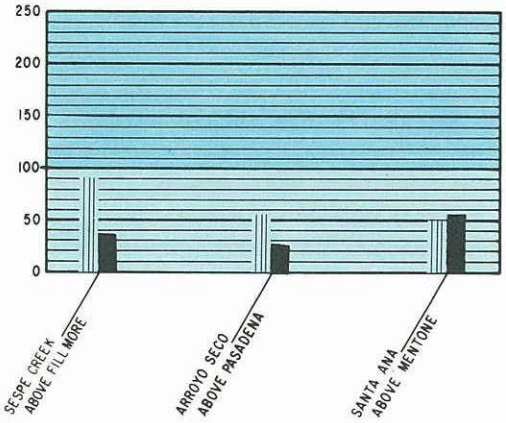
PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE



RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY



RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

MAY 1, 1971 ═══ MAY 1, 1972 ■

PRECIPITATION - PRECIPITATION DURING APRIL CONTINUED VERY LIGHT OVER THE SOUTH COASTAL AREA, AVERAGING A SCANT 10 PERCENT OF NORMAL. EXTREMES VARIED FROM 1.17 INCH (31 PERCENT) AT CUYAMACA, IN THE SAN DIEGO RIVER DRAINAGE, TO ZERO AT ELSINORE. LOS ANGELES' 0.03 INCH WAS THE 10TH DRIEST APRIL IN 95 YEARS.

SEASONAL PRECIPITATION AVERAGED 50 PERCENT OF NORMAL OVER THE AREA. SUBBASINS VARIED FROM 55 PERCENT OF NORMAL IN THE SANTA CLARA TO 45 PERCENT IN THE SAN GABRIEL. AMOUNTS ARE ALL WELL DOWN, AS MUCH AS ONE-HALF, FROM VALUES FOR THE CORRESPONDING PERIOD ONE YEAR AGO. OCTOBER-APRIL TOTALS RANGE FROM 25.20 INCHES (65 PERCENT) AT SQUIRREL INN NO. 2, IN THE SANTA ANA RIVER DRAINAGE, TO 4.40 INCHES (38 PERCENT) AT LAGUNA BEACH. PERSISTENCE OF HIGH BAROMETRIC PRESSURE DOMINATED THE WEATHER ACTIVITIES SINCE THE BEGINNING OF THE NEW YEAR. CONSEQUENTLY, ALL-TIME DRY RECORDS WERE ESTABLISHED FOR THE 4-MONTH PERIOD JANUARY THROUGH APRIL. LOS ANGELES CIVIC CENTER EXPERIENCED ONLY 0.16 INCH FOR THIS PERIOD OR 9.50 INCHES BELOW THE EXPECTED NORMAL.

RESERVOIR STORAGE - DATA FROM TWENTY-SIX MAJOR RESERVOIRS IN THIS AREA SHOW A COMBINED STORAGE OF 637,000 ACRE-FEET ON MAY 1. THIS AMOUNTS TO 43 PERCENT OF THEIR COMBINED TOTAL CAPACITY AND 110 PERCENT OF AVERAGE CONTENTS FOR THIS DATE. TOTAL STORAGE IS 102,000 ACRE-FEET LESS THAN THAT HELD ONE YEAR AGO. ELEVEN OF THESE RESERVOIRS INCLUDE COLORADO RIVER WATER IN THEIR STORAGE. THESE RESERVOIRS ARE NOW STORING 327,000 ACRE-FEET WHICH REPRESENTS 56 PERCENT OF THE MAY 1 AVERAGE AND APPROXIMATELY THE SAME STORAGE CONTAINED ONE YEAR AGO. SOURCES OF IMPORT ON THE COLORADO RIVER ARE STORING SLIGHTLY ABOVE NORMAL AMOUNTS.

RUNOFF - BASED ON DATA RECEIVED FROM KEY SOUTH COASTAL AREA STREAMS, APRIL RUNOFF FOR THE AREA WAS ONLY 11 PERCENT OF AVERAGE FOR THE MONTH. THE WATER YEAR TO DATE RUNOFF IS NOW AVERAGING ABOUT 45 PERCENT OF NORMAL FOR THE SEASON. EXCEPT FOR DECEMBER, WHEN OVER TWICE NORMAL FLOWS OCCURRED, RUNOFF HAS BEEN BELOW NORMAL FOR ALL MONTHS IN THIS AREA DURING THE 1972 WATER YEAR.

COLORADO DESERT AREA

SNOWPACK - MAY 1 SNOWPACK IN THE UPPER COLORADO RIVER BASIN, AS REPORTED BY THE U. S. SOIL CONSERVATION SERVICE, IS 85 PERCENT OF NORMAL. THE WATER CONTENT OF THE SNOWPACK RANGES FROM 150 PERCENT OF NORMAL ON THE GREEN RIVER BASIN IN WYOMING, TO 50 PERCENT OF NORMAL FOR THE SAN JUAN RIVER BASIN IN COLORADO AND NEW MEXICO.

PRECIPITATION - PRECIPITATION IN THE COLORADO DESERT AREA DURING THE OCTOBER THROUGH APRIL PERIOD AVERAGED 10 PERCENT OF NORMAL. EXTREMES VARIED FROM 27 PERCENT OF NORMAL AT NEEDLES TO 2 PERCENT AT THERMAL. THE STATEWIDE LOW SEASONAL TOTAL OF 0.04 INCH WAS REPORTED FROM THERMAL. THE RAIN DANCE, IN AN ATTEMPT TO BREAK THE DROUGHT SINCE JANUARY, HAS YET TO ALTER THE DISPOSITION OF THE RAIN GOD AS PRECIPITATION DURING MARCH WAS NIL.

RESERVOIR STORAGE - THE STORAGE IN LAKE MEAD ON MAY 1 WAS 17,015,000 ACRE-FEET. THIS IS 65 PERCENT OF CAPACITY AND ABOUT 106 PERCENT OF AVERAGE STORAGE FOR THIS DATE. THE STORAGE IS 689,000 ACRE-FEET MORE THAN WAS HELD AT THIS TIME LAST YEAR.

LAKE POWELL, UPSTREAM FROM LAKE MEAD, HAD 13,224,000 ACRE-FEET IN STORAGE ON MAY 1. THIS IS 154 PERCENT OF AVERAGE AND REPRESENTS A GAIN OF 713,000 ACRE-FEET DURING THE PAST YEAR. BOTH LAKES MOJAVE AND HAVASU ARE STORING AVERAGE MAY 1 CONTENTS, TOTALING 2,281,300 ACRE-FEET.

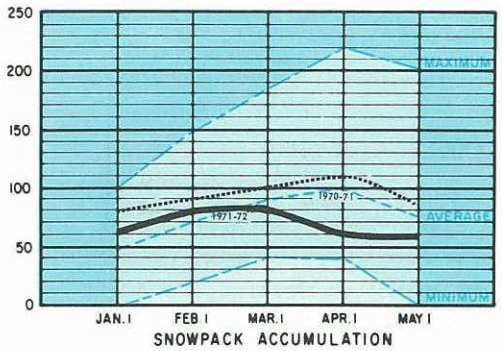
THE WATER SURFACE ELEVATION OF THE SALTON SEA ON MAY 1, MEASURED FROM DATUM AT FIG TREE JOHNS GAGE, WAS 230.60 FEET BELOW MEAN SEA LEVEL. THIS REPRESENTS A RISE OF 0.15 FOOT FOR THE LAST MONTH AND A RISE OF 0.45 FOOT FROM THE LEVEL RECORDED ONE YEAR AGO.

RUNOFF - APRIL RUNOFF OF THE COLORADO RIVER, INFLOW TO LAKE POWELL, CORRECTED FOR REGULATION BY UPPER COLORADO RIVER STORAGE PROJECT RESERVOIRS, WAS 722,200 ACRE-FEET OR 66 PERCENT OF AVERAGE. DURING THE PERIOD OCTOBER 1 THROUGH APRIL, RUNOFF WAS 3,876,600 ACRE-FEET OR 106 PERCENT OF AVERAGE

FORECAST MAY 1, 1972 - 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 1972 TO BE:

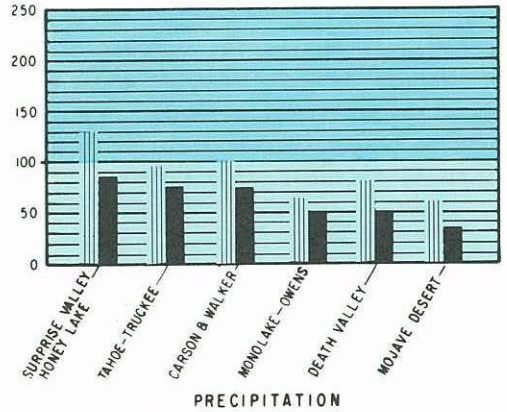
MAXIMUM	7,600,000 ACRE-FEET
MEAN	6,100,000 ACRE-FEET
MINIMUM	4,600,000 ACRE-FEET

THIS 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.



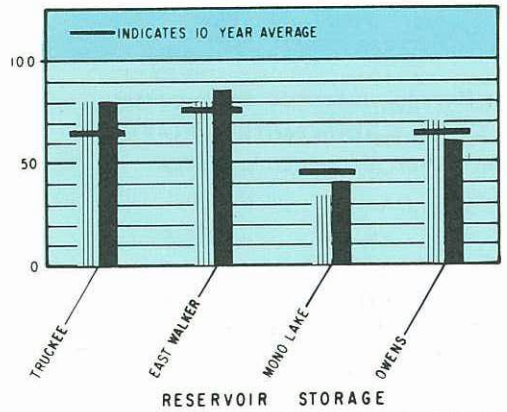
SNOWPACK ACCUMULATION

WATER CONTENT IN PERCENT OF APRIL 1 AVERAGE



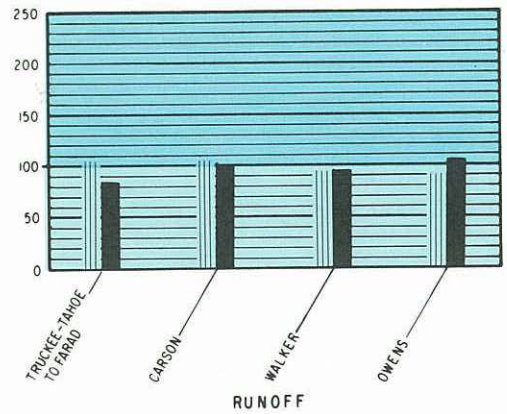
PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE



RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY



RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

MAY 1, 1971 ═══ MAY 1, 1972 ■

LAHONTAN AREA

SNOWPACK - MEASUREMENTS OF SNOWPACK WERE OBTAINED AT 21 SNOW COURSES ON OR ABOUT MAY 1. ALSO, READINGS OF WATER CONTENT WERE OBTAINED FROM 9 SNOW SENSORS. THESE MEASUREMENTS INDICATE THE SNOWPACK WATER CONTENT WAS 80 PERCENT OF AVERAGE AS COMPARED TO 120 PERCENT ONE YEAR AGO. WATER CONTENT RANGED FROM A HIGH OF 100 PERCENT IN THE TRUCKEE RIVER BASIN TO A LOW OF 65 PERCENT IN THE SUSAN RIVER BASIN.

SNOW COURSES AT THE HIGHER ELEVATIONS HAD AN INCREASE IN SNOWPACK WATER CONTENT. FOR EXAMPLE INDEPENDENCE LAKE, IN THE TRUCKEE RIVER BASIN, HAD AN INCREASE OF 4.7 INCHES. MANY LOW ELEVATION COURSES REPORTED COMPLETE MELT WITH ZERO READINGS.

PRECIPITATION - OCTOBER THROUGH APRIL PRECIPITATION AVERAGED 65 PERCENT OF NORMAL OVER THE LAHONTAN AREA. SEASONAL AMOUNTS WITH RESPECT TO NORMAL VARIED FROM A LOW OF 20 PERCENT AT LOS ANGELES AQUEDUCT AT INTAKE, IN THE OWENS RIVER DRAINAGE, TO 132 PERCENT AT FORT BIDWELL, IN THE SURPRISE VALLEY DRAINAGE. THE SEASONAL TOTAL OF 21.59 INCHES AT TAHOE CITY WAS 74 PERCENT OF NORMAL. SUBDRAINAGES IN THE AREA HAVE VALUES WELL BELOW THE AMOUNTS, AS MUCH AS ONE-HALF, FOR THE CORRESPONDING PERIOD ONE YEAR AGO. SUBNORMAL PRECIPITATION THROUGH THE JANUARY-APRIL PERIOD RESULTED IN THE DRIEST JANUARY-APRIL AT BISHOP IN 88 YEARS. APRIL PRECIPITATION AVERAGED 75 PERCENT OF NORMAL OVER THE AREA. EXTREMES VARIED FROM 3.05 INCHES (139 PERCENT) AT TAHOE CITY TO ZERO AT INDEPENDENCE, ON THE OWENS VALLEY FLOOR.

RESERVOIR STORAGE - MAY 1 STORAGE IN SEVEN MAJOR RESERVOIRS IN THE LAHONTAN AREA WAS 193,000 ACRE-FEET. THIS IS 56 PERCENT OF CAPACITY AND 90 PERCENT OF AVERAGE FOR THIS DATE. STORAGE IN LAKE TAHOE, BOCA RESERVOIR, AND BRIDGEPORT RESERVOIR, IMPOUNDING WATER FOR USE IN BOTH CALIFORNIA AND NEVADA, WAS 649,800 ACRE-FEET OR 78 PERCENT OF AVAILABLE CAPACITY AND 118 PERCENT OF AVERAGE STORAGE FOR MAY 1. LAKE TAHOE HAS ALMOST THE SAME AMOUNT OF STORAGE AS LAST YEAR AT THIS TIME, AND IS STORING 118 PERCENT OF AVERAGE MAY 1 SUPPLIES WITH THE SURFACE ELEVATION AT 6227.76 FEET.

RUNOFF - APRIL RUNOFF IN THE LAHONTAN AREA AVERAGED 63 PERCENT OF NORMAL FOR THE MONTH. ALL STREAMS IN THE AREA WERE BELOW AVERAGE FOR THE MONTH WITH A RANGE OF 58 PERCENT OF AVERAGE IN THE TRUCKEE RIVER AT FARAD TO 84 PERCENT OF AVERAGE ON THE WEST FORK CARSON RIVER AT WOODFORDS. WATER YEAR RUNOFF, OCTOBER 1 TO DATE, HAS PRODUCED ABOUT 95 PERCENT OF AVERAGE.

FORECASTS - CONDITIONS AS OF MAY 1 INDICATE THAT RUNOFF FROM THE LAHONTAN AREA DURING THE 1971-72 WATER YEAR WILL BE ABOUT 75 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 41,500 ACRE-FEET, 70 PERCENT OF AVERAGE.

LAHONTAN AREA

FORECASTS AS OF MAY 1, 1972			
	APRIL-JULY RUNOFF		
STREAM AND STATION	AVERAGE IN ACRE-FEET	IN ACRE-FEET	IN PERCENT OF AVERAGE
Bidwell Creek near Ft. Bidwell	11,180	19,500	174
Mill Creek above diversions	4,870	8,000	164
Deep Creek above diversions	3,540	5,500	155
Eagle Creek at Eagleville	4,770	7,500	157
Truckee River, Lake Tahoe to Farad accretion	264,000	185,000	70
Lake Tahoe Rise (assuming gates closed)	1.42 FT.	.95 FT.	67
East Carson River near Gardnerville	181,000	120,000	66
West Carson River at Woodfords	51,000	32,000	63
East Walker River near Bridgeport	60,000	30,000	50
West Walker River near Coleville	143,000	95,000	66

SNOW LINES

RECORD SNOWFALL AT SEA LEVEL - HEAVY SNOWFALL IS NOT ENTIRELY RESTRICTED TO JUST THE MOUNTAINOUS AREAS OF THE WORLD. MANY SEA LEVEL LOCATIONS EXPERIENCE DEEP SNOWS AND THE RECORDS SHOW THAT THE WESTERN SHORE OF HONSHU ISLAND, FACING THE 500-MILE-WIDE SEA OF JAPAN, MAY BE THE SNOWIEST SEA LEVEL AREA ON EARTH. WITH MOST OF THE SEA'S SURFACE REMAINING ICE-FREE, FRIGID WINDS CROSSING ASIA PICK UP MOISTURE FROM THE WARMER WATERS AND CREATE MASSIVE SNOWBURSTS UPON REACHING THE LEE SHORE. SNOW HAS BEEN KNOWN TO FALL FOR 29 CONSECUTIVE DAYS, ACCUMULATING TO DEPTHS OF 150 INCHES, AND LAY ON THE GROUND FOR UP TO FIVE MONTHS. ANNUAL RECORDED SNOWFALL AVERAGES 262.2 INCHES, BUT IN JANUARY 1945 A TOTAL OF 362.2 INCHES FELL IN THAT MONTH ALONE. THAT FIGURE APPROACHES CALIFORNIA'S RECORD OF 390.0 INCHES FOR ONE MONTH SET AT TAMARACK IN JANUARY 1911.

YOUR SNOW SAMPLING EQUIPMENT - IN ORDER TO AVOID A RASH OF REQUESTS FOR EQUIPMENT REPLACEMENTS JUST PRIOR TO NEXT YEAR'S SNOW SURVEY SEASON, WE WOULD APPRECIATE HAVING ALL SNOW SURVEYORS CHECK THEIR SAMPLING EQUIPMENT BEFORE PUTTING IT AWAY FOR THE SUMMER, AND REQUEST REPLACEMENT ITEMS NOW. THINGS TO CHECK FOR INCLUDE LOOSE RIVETS ON COUPLINGS, WORN OUT CUTTERS, WORN OR LOOSE KEYS IN DRIVING WRENCHES, AND INACCURACY IN WEIGHING SCALES. SEND THEM IN NOW SO WE MAY HAVE REPAIRS ACCOMPLISHED AND THESE ITEMS RETURNED TO YOU EARLY. IN GETTING YOUR EQUIPMENT COMPLETELY READY FOR NEXT WINTER, BE SURE TO PULL THE METALLIC THREADED TAPE OUT OF ITS CASE FOR A FEW DAYS SO THAT IT IS DRY WHEN YOU STORE IT AWAY. BY ACTING NOW YOU WILL BE PREPARED FOR A SMOOTH START WHEN YOUR FIRST SNOW SURVEY DATE ARRIVES NEXT WINTER.

COVER

SNOWMELT FROM THE HIGHER ELEVATIONS IS NOW WELL UNDER WAY. HERE, LYONS CREEK CHANNELS LAST WINTER'S SNOW WATER FROM THE FLANKS OF PYRAMID PEAK IN THE CRYSTAL RANGE. COMPLETE MELT OFF WILL TAKE ABOUT ANOTHER MONTH IN THIS AREA OF THE AMERICAN RIVER BASIN.

CALIFORNIA COOPERATIVE SNOW SURVEYS

STATE OF CALIFORNIA

The Resources Agency

Department of Water Resources

BULLETIN No. 120-72

WATER CONDITIONS IN CALIFORNIA

Report No. 4: Basic Data Supplement

MAY 1, 1972

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

RONALD REAGAN
Governor
State of California

WILLIAM R. GIANELLI
Director
Department of Water Resources

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 MAY 1, 1972 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

Snow surveyors avoid areas on slopes that have no trees because avalanche history is indicated. Here, near Tenaya Lake in Yosemite National Park, such an area displays what appears to be the handiwork of the "Little People" -- Actually, the snow rolls are caused by warm daytime temperatures that dislodge rocks or chunks of snow.

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 ASSOCIAITION
- 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
- OROVILLE-WYANDOTTE IRRIGATION 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
- YUBA COUNTY WATER AGENCY

PRIVATE ORGANIZATIONS

- ATMOSPHERICS INCORPORATION
- 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) APRIL 1972 AVERAGE	APRIL 1972 TOTAL FOR MONTH	APRIL 1972 PERCENT OF AVERAGE	OCT 1, 1971 - APR 30, 1972 AVERAGE	OCT 1, 1971 - APR 30, 1972 TOTAL FOR SEASON	OCT 1, 1971 - APR 30, 1972 PERCENT OF AVERAGE	AVERAGE WATER YEAR
NORTH COASTAL AREA									
SMITH RIVER									
GASQUET RS	384	NWS	6.44	9.46	147	83.91	110.76	132	92.18
CRESCENT CITY 11E	360	DWR	7.56	10.77	142	91.25	121.27	133	101.75
BROOKINGS, OREGON	80	NWS	5.56	5.71	103	69.78	75.14	108	79.50
CRESCENT CITY 1N	40	NWS	5.18	5.73	111	63.67	68.89	108	71.92
KLAMATH RIVER									
KLAMATH FALLS 2SSW, OREGON	4098	USBR	0.87	0.62	71	10.68	10.05	94	13.77
TULELAKE	4035	NWS	0.76	0.51	67	7.27	8.70	120	10.37
CALLAHAN RS	3136	NWS	1.38	1.31	95	17.48	18.03	103	19.79
MONTAGUE	2500	DWR	0.77	-	-	9.79	-	-	12.44
YREKA	2625	NWS	0.92	1.35	147	14.95	16.49	110	17.97
HAPPY CAMP RS	1090	NWS	2.76	4.78	173	50.44	55.07	109	54.63
ORLEANS	403	NWS	3.14	3.03	96	46.85	52.40	112	51.17
ORICK ARCATA REDWOOD CO	75	DWR	4.68	5.63	120	58.88	67.61	115	65.57
TRINITY RIVER									
COFFEE CREEK RS	2500	NWS	2.52	4.60	183	44.95	45.30	101	53.06
BURNT RANCH 1S	2150	NWS	2.66	3.36	126	39.25	41.22	105	42.41
WEAVERVILLE RS	2050	NWS	2.32	2.34	101	33.59	31.01	92	36.83
BIG BAR RS	1260	NWS	2.50	2.38	95	34.07	33.56	99	36.74
EEL RIVER									
MAD RIVER RS	2775	NWS	3.72	4.44	119	54.80	50.75	93	58.98
OLD HARRIS	2225	DWR	4.47	5.06	113	65.79	56.45	86	70.54
HONOR CAMP NO 42	1875	DWR	4.93	-	-	68.14	-	-	74.13
COVELO	1385	NWS	2.22	2.38	107	37.49	29.01	77	39.90
STANDISH-HICKEY STATE PARK	850	NWS	4.54	5.54	122	69.42	59.78	86	73.87
HONEYDEW 2WSW	375	NWS	6.80	-	-	103.16	-	-	109.63
UPPER MATTOLE	255	NWS	5.27	6.68	127	74.05	71.00	96	79.02
BLUE LAKE	105	DWR	3.13	-	-	42.83	-	-	46.63
SCOTIA	139	NWS	3.29	3.83	116	44.98	43.92	98	48.13
FORT BRAGG	80	NWS	2.90	2.17	75	35.75	27.41	77	38.35
EUREKA NWS CITY	43	NWS	2.88	2.27	79	35.12	34.76	99	38.67
RUSSIAN RIVER									
CAZADERO	1040	NWS	5.43	5.15	95	69.95	43.14	62	73.88
POTTER VALLEY PH	1014	PG&E	2.89	2.04	71	41.58	27.47	66	44.27
UKIAH	623	NWS	2.42	2.35	97	34.87	22.66	65	36.73
BOONVILLE MAINT STATION	342	NWS	2.57	2.75	107	35.81	23.80	66	37.70
SANTA ROSA	167	NWS	2.38	1.79	75	27.97	16.13	58	29.47
FORT ROSS	116	NWS	3.01	2.35	78	36.16	23.31	64	38.69
HEALDSBURG	102	NWS	2.87	3.12	109	38.97	20.49	53	40.81
SAN FRANCISCO BAY AREA									
MOUNT HAMILTON	4206	NWS	2.24	1.24	55	23.91	11.17	47	25.08
GERBER RANCH	2140	NWS	1.47	0.73	50	17.26	8.37	49	18.01
ANGWIN PAC UNION COLLEGE	1815	NWS	2.82	2.59	92	36.96	24.36	66	38.61
LAGUNITAS LAKE	785	MMWD	3.61	4.23	117	47.23	29.11	62	49.38
LIVERMORE CO F D	490	NWS	1.18	0.64	54	13.55	6.22	46	14.23
SAN JOSE	70	CSJ	1.12	0.51	46	12.72	6.11	48	13.36
NAPA STATE HOSPITAL	60	NWS	1.77	1.62	92	22.80	11.41	50	23.95
SAN FRANCISCO FCB	52	NWS	1.46	1.07	73	19.46	10.71	55	20.40
REDWOOD CITY	31	NWS	1.39	0.86	62	18.54	8.41	45	19.30
OAKLAND NWS AP	3	NWS	1.43	0.96	67	17.11	8.79	51	18.01
CENTRAL COASTAL AREA									
SALINAS RIVER									
PRIEST VALLEY	2300	NWS	1.78	0.97	54	19.21	11.17	58	19.95
PASO ROBLES	700	NWS	1.06	0.53	50	13.05	7.62	58	13.63
SAN ARDO	435	NWS	0.61	0.26	43	11.87	4.62	39	12.15
KING CITY	320	NWS	0.91	0.26	29	10.04	4.84	48	10.40
SAN LUIS OBISPO POLY	300	NWS	1.99	0.89	45	21.26	12.17	57	21.95
BIG SUR STATE PARK	235	NWS	3.38	1.42	42	39.30	23.03	59	40.88
SALINAS FAA AP	75	NWS	1.24	0.30	24	13.03	6.24	48	13.72
PT PIEDRAS BLANCAS	59	NWS	1.59	-	-	18.87	-	-	19.58
PAJARO RIVER									
HOLLISTER 1SW	279	NWS	1.16	0.41	35	12.53	4.97	40	13.12
SANTA CRUZ	125	NWS	2.23	1.92	86	29.11	17.54	60	30.50
WATSONVILLE WATER WORKS	95	NWS	1.66	1.37	83	20.21	10.92	54	21.11
SANTA MARIA AND SANTA YNEZ R									
CACHUMA DAM	781	NWS	1.31	0.16	12	17.91	10.35	58	18.62
LOS ALAMOS	565	NWS	1.46	0.19	13	14.35	7.23	50	14.89
SANTA MARIA NWS AP	238	NWS	1.21	0.19	16	12.37	4.20	34	12.88
SANTA BARBARA	100	NWS	1.56	0.15	10	17.01	8.61	51	17.51
SOUTH COASTAL AREA									
COASTAL PLAIN									
LOS ANGELES NWS CITY	312	NWS	1.22	0.03	2	14.21	7.07	50	14.72
SANTA ANA FS	115	NWS	1.27	0.00	0	13.31	5.64	42	13.78

TABLE 1 - PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) APRIL 1972 AVERAGE[1]	TOTAL FOR MONTH	PERCENT OF AVERAGE	OCT 1, 1971 - APR 30, 1972 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
COASTAL PLAIN (CONTINUED)									
LOS ANGELES NWS AP	97	NWS	1.03	0.00	0	11.89	6.36	54	12.25
LAGUNA BEACH	56	NWS	1.08	0.02	2	11.54	4.40	38	12.13
VENTURA	45	NWS	1.15	0.01	1	13.50	7.48	55	13.82
LONG BEACH AP	34	NWS	1.00	0.18	18	12.40	6.39	52	12.78
SAN DIEGO NWS AP	19	NWS	0.78	0.04	5	9.45	5.20	55	9.89
SANTA CLARA RIVER									
MINT CANYON - THE OAKS	2350	LACFCD	1.23	0.10	8	12.38	7.11	57	13.02
SAUGUS PP NO 1	2105	NWS	1.73	0.08	5	17.10	10.38	61	17.93
DRY CANYON RESERVOIR	1515	NWS	1.18	0.01	1	12.12	7.13	59	12.76
SANTA PAULA	263	NWS	1.49	0.08	5	16.90	9.17	54	17.31
LOS ANGELES RIVER									
HAINES CANYON UPPER	3450	LACFCD	2.63	0.35	13	27.03	11.41	42	28.30
BIG TUJUNGA DAM	2315	LACFCD	2.36	0.19	8	25.87	10.58	41	26.79
ARROYO SECO RS	1220	LACFCD	1.95	0.20	10	21.39	9.33	44	22.38
BURBANK VALLEY PP	655	NWS	1.26	-	-	14.04	-	-	14.56
SAN GABRIEL RIVER									
MT WILSON	5709	NWS	3.05	0.01	0	31.63	12.37	39	32.83
SAN DIMAS TANBARK FLAT	2745	LACFCD	2.26	0.33	15	22.42	11.04	49	23.25
HOEGEES	2650	LACFCD	3.52	0.42	12	36.38	13.54	37	37.91
HENNINGER FLATS	2550	LACFCD	2.49	0.28	11	24.85	9.82	40	26.36
SAN GABRIEL DAM CAMP	1500	LACFCD	2.29	-	-	25.95	-	-	26.79
SAN DIMAS DAM	1350	LACFCD	1.98	0.44	22	20.61	9.37	45	21.65
CLAREMONT POMONA COLLEGE	1201	NWS	1.57	-	-	16.72	-	-	17.43
SANTA ANA RIVER									
BIG BEAR LAKE	6745	NWS	3.30	0.73	22	31.95	16.31	51	34.97
SQUIRREL INN NO 2	5680	NWS	3.99	0.29	7	38.57	25.20	65	40.74
MT BALDY G S FC85G	4275	NWS	3.15	0.80	25	31.95	18.21	57	33.45
LYTLE CREEK RS	2760	NWS	3.21	0.49	15	33.83	19.08	56	35.03
ELSINORE	1285	NWS	0.81	0.00	0	10.83	5.88	54	11.40
SAN BERNARDINO CO HOSPITAL	1125	NWS	1.60	0.13	8	15.96	8.61	54	16.96
SAN DIEGO COUNTY									
CUYAMACA	4650	NWS	3.77	1.17	31	32.60	17.61	54	35.48
JULIAN WYNOLA	3650	NWS	2.56	0.82	32	24.68	11.68	47	27.47
WARNER SPRINGS	3180	NWS	1.33	0.47	35	13.55	7.67	57	15.73
CAMPO	2630	NWS	1.51	0.24	16	13.94	5.25	38	15.48
BARRETT DAM	1623	CSD	1.67	0.44	26	15.63	6.28	40	16.70
EL CAPITAN DAM	600	NWS	1.46	0.24	16	14.10	7.20	51	15.05
CENTRAL VALLEY AREA									
SACRAMENTO VALLEY FLOOR									
FRENCH GULCH	1100	NWS	2.93	3.29	112	34.93	27.24	78	38.16
REDDING FS NO 2	577	NWS	3.06	1.63	53	35.43	21.55	61	38.77
ONO	980	NWS	2.82	-	-	32.57	-	-	35.54
VOLTA PH	2200	PG&E	3.11	2.76	89	28.99	20.06	69	32.94
HARRISON GULCH RS	2710	NWS	1.87	1.93	103	31.41	23.59	75	34.95
HUNTER DIST GRAVES RCH	770	NWS	2.02	-	-	20.69	-	-	23.51
MINERAL	4911	NWS	4.04	3.42	85	46.80	32.61	70	51.91
RED BLUFF NWS AP	341	NWS	1.74	0.60	34	19.74	8.66	44	21.68
CENTERVILLE PH	522	NWS	3.68	-	-	40.64	-	-	43.22
PASKENTA RS	755	NWS	1.85	0.53	29	20.74	8.96	43	22.49
ORLAND	254	NWS	1.54	0.83	54	17.74	7.37	42	19.15
CHICO EXP STATION	205	NWS	2.24	1.39	62	24.30	10.20	42	26.14
STONY GORGE RESERVOIR	791	NWS	1.45	0.54	37	17.86	9.27	52	19.23
WILLOWS	140	NWS	1.35	0.83	61	16.27	6.54	40	17.47
OROVILLE BRIDGE	165	NWS	2.31	1.52	66	25.98	12.58	48	27.76
EAST PARK RESERVOIR	1205	NWS	1.31	0.93	71	17.71	10.66	60	18.96
STONYFORD COOLEY RANCH	3015	NWS	3.53	5.37	152	48.77	31.24	64	51.74
COLUSA 1SSW	60	NWS	1.22	0.58	48	14.68	7.21	49	15.68
MARYSVILLE	60	NWS	1.74	1.29	74	19.21	11.66	61	20.38
LAKEPORT	1343	NWS	2.02	1.83	91	27.38	18.54	68	28.86
LEESVILLE KEEGAN RANCH	1330	NWS	1.43	-	-	21.37	-	-	22.45
NICOLAUS NO 2	47	NWS	1.58	1.14	72	16.65	10.03	60	17.63
DUNNIGAN-POWERS RANCH	104	DWR	1.26	0.61	48	15.55	8.37	54	16.29
COBB	2520	DWR	4.49	5.93	132	62.63	38.62	62	65.63
ROCKLIN	239	NWS	1.96	2.30	117	21.59	13.34	62	22.81
CITRUS HEIGHTS	138	DWR	1.99	2.06	104	21.80	13.76	63	23.04
CAPAY 4W	300	DWR	1.47	-	-	21.35	-	-	22.35
WOODLAND 1WNW	69	NWS	1.39	1.03	74	16.06	10.52	66	16.83
SACRAMENTO NWS CITY	25	NWS	1.56	1.27	81	16.84	10.12	60	17.72
DAVIS 2WSW	60	NWS	1.35	0.90	67	15.89	8.02	50	16.67
WINTERS	135	NWS	1.24	0.79	64	17.88	10.41	58	18.65

TABLE 1 - PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) APRIL 1972 AVERAGE	APRIL 1972 TOTAL FOR MONTH	APRIL 1972 PERCENT OF AVERAGE	OCT 1, 1971 - APR 30, 1972 AVERAGE	OCT 1, 1971 - APR 30, 1972 TOTAL FOR SEASON	OCT 1, 1971 - APR 30, 1972 PERCENT OF AVERAGE	AVERAGE WATER YEAR
SAN JOAQUIN VALLEY FLOOR									
CAMP PARDEE	658	NWS	2.05	1.64	80	19.51	14.54	75	20.72
GALT	47	DWR	1.44	1.41	98	15.65	9.09	58	16.51
WALLACE 1SE	214	NWS	1.94	1.57	81	18.65	12.52	67	19.63
RIO VISTA	22	NWS	1.34	1.00	75	15.37	8.60	56	16.13
LODI	40	NWS	1.42	1.39	98	15.34	8.82	58	16.21
ANTIOCH FIBREBOARD MILL	28	NWS	1.06	0.44	42	12.50	5.93	47	13.17
STOCKTON FS NO 4	11	NWS	1.25	0.86	69	13.62	6.18	45	14.40
OAKDALE	155	NWS	1.49	0.75	50	13.42	7.86	59	14.21
KNIGHTS FERRY 2SE	315	NWS	1.61	0.88	55	13.29	10.57	80	14.05
TRACY CARBONA	140	NWS	0.80	0.26	32	8.75	3.38	39	9.38
MODESTO	91	NWS	1.22	0.51	42	11.24	6.41	57	11.96
DENAIR 3NNE	137	NWS	1.31	0.71	54	11.64	7.23	62	12.32
NEWMAN 2NW	108	NWS	1.04	0.34	33	9.92	6.16	62	10.44
MERCED FS NO 2	169	NWS	1.26	0.71	56	11.52	5.40	47	12.14
LOS BANOS	125	NWS	0.88	0.23	26	8.37	3.45	41	8.84
DELTA RANCH	90	DWR	1.08	0.32	30	8.21	3.55	43	8.69
FRIANT GOVERNMENT CAMP	410	NWS	1.47	0.36	24	13.97	6.23	45	14.37
MADERA	268	NWS	1.24	0.56	45	10.20	3.09	30	10.81
MENDOTA DAM	166	NWS	0.83	0.13	16	7.24	2.55	35	7.65
FRESNO NWS AP	331	NWS	1.18	0.27	23	10.57	4.54	43	11.01
ORANGE COVE	431	NWS	1.40	0.10	7	12.47	6.64	53	13.06
PANOCHE	1265	NWS	0.78	0.13	17	7.96	3.06	38	8.38
LEMON COVE	513	NWS	1.58	0.27	17	13.10	6.54	50	13.94
VISALIA	354	NWS	1.11	0.18	16	9.49	4.56	48	9.95
HANFORD	242	NWS	0.82	0.23	28	7.71	2.96	38	8.06
LINDSAY	395	NWS	1.30	0.22	17	10.89	5.39	50	11.57
COALINGA	671	NWS	0.62	0.09	15	6.98	3.32	48	7.40
PORTERVILLE	393	NWS	1.26	0.29	23	10.43	5.40	52	11.01
ANGIOLA	205	NWS	0.88	0.05	6	7.15	3.13	44	7.53
WASCO	333	NWS	0.84	0.06	7	6.15	2.63	43	6.52
SOUTH BELRIDGE	575	DWR	0.60	0.00	0	4.77	1.68	35	5.12
BAKERSFIELD NWS AP	494	NWS	0.80	0.08	10	5.71	1.72	30	6.09
TEHACHAPI	3975	NWS	0.89	0.23	26	9.64	4.24	44	11.05
TEJON RANCHO	1425	NWS	1.63	0.15	9	10.88	3.43	32	11.71
PATTIWAY	3868	NWS	1.14	0.02	2	8.99	4.40	49	9.60
UPPER SACRAMENTO, PIT, AND MCCLOUD RIVERS									
JESS VALLEY	5290	NWS	1.72	1.79	104	12.22	12.74	104	17.24
ALTURAS RS	4365	NWS	1.02	0.99	97	9.55	8.90	93	12.96
MOUNT SHASTA NWS CITY	3544	NWS	2.84	2.62	92	32.22	20.14	63	36.47
MCCLOUD	3300	NWS	3.86	-	-	45.15	-	-	50.31
HAT CREEK PH NO 1	3015	PG&E	1.35	1.23	91	15.35	11.51	75	18.28
DUNSMUIR RS	2420	NWS	3.86	4.25	110	51.82	40.92	79	57.72
PIT RIVER PH NO 5	1458	PG&E	5.59	8.52	152	67.81	49.41	73	75.34
VOLLMERS	1359	NWS	5.14	5.28	103	61.16	42.16	69	66.44
SHASTA DAM	1076	NWS	4.66	5.32	114	53.67	36.63	68	58.16
FEATHER RIVER									
SIERRAVILLE RS	4975	NWS	1.66	2.17	131	23.27	14.55	63	26.03
VINTON	4945	DWR	0.85	0.87	102	10.80	6.56	61	13.28
PORTOLA	4838	NWS	1.47	2.15	146	18.37	7.42	40	20.94
CANYON DAM	4555	NWS	2.86	3.75	131	35.44	26.28	74	38.84
CHESTER	4525	NWS	2.29	3.13	137	29.23	19.71	67	32.65
BRUSH CREEK RS	3560	NWS	5.58	5.51	99	66.24	37.85	57	70.80
QUINCY	3409	NWS	3.16	4.33	137	37.22	26.88	72	40.61
CARIBOU PH	2986	PG&E	3.12	5.63	180	37.46	29.60	79	40.72
LAKE WILENOR	2040	DWR	4.59	4.95	108	47.58	28.09	59	50.83
BUCKS CREEK PH (STORRIE)	1760	PG&E	5.34	6.57	123	60.59	43.36	72	65.17
YUBA RIVER									
SODA SPRINGS 1E	6885	NWS	5.57	6.29	113	59.16	47.29	80	64.90
BOWMAN DAM	5347	NWS	5.24	6.82	130	61.09	47.61	78	66.88
LAKE SPAULDING	5156	NWS	5.65	7.91	140	61.52	53.92	88	67.09
DEER CREEK PH	3700	NWS	5.56	-	-	63.79	-	-	68.38
DOWNIEVILLE RS	2895	NWS	5.07	8.03	158	56.97	46.27	81	61.81
CAMPTONVILLE RS	2755	NWS	4.95	5.38	109	55.13	37.49	68	59.12
GRASS VALLEY	2400	NWS	4.68	4.63	99	51.35	33.77	66	54.69
NEVADA CITY	2600	NWS	4.55	4.58	101	50.33	34.79	69	53.63
INDIAN ROCK	2240	DWR	6.56	5.62	86	63.32	40.73	64	68.98
DOBBINS COLGATE FOREBAY	1550	NWS	3.46	4.15	120	38.00	30.46	80	40.68
COLGATE PH	585	PG&E	3.45	2.70	78	37.37	23.69	63	39.88
NORTH SAN JUAN	2081	DWR	4.10	-	-	44.69	-	-	47.81

TABLE 1 - PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) APRIL 1972 AVERAGE	TOTAL FOR MONTH	PERCENT OF AVERAGE	OCT 1, 1971 - APR 30, 1972 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
CENTRAL VALLEY AREA (CONTINUED)									
AMERICAN RIVER									
TWIN LAKES	7829	PG&E	4.19	4.67	111	43.16	35.13	81	48.63
BIG BEND RS	5739	NWS	5.76	7.58	132	63.21	45.23	72	68.97
BLUE CANYON NWS AP	5280	NWS	5.00	6.75	135	57.27	49.13	86	61.95
SLY PARK	3530	NWS	4.49	5.23	116	46.19	36.36	79	49.50
PACIFIC HOUSE	3440	NWS	4.16	5.66	136	47.02	38.38	82	50.51
GEORGETOWN RS	3001	NWS	4.38	5.05	115	50.27	36.87	73	53.69
COLFAX	2418	NWS	4.03	-	-	44.24	-	-	47.20
PLACERVILLE	1890	NWS	3.51	3.17	90	36.79	25.05	68	39.31
AUBURN	1297	NWS	3.05	2.85	93	32.81	22.74	69	34.80
FOLSOM DAM	350	NWS	1.99	2.50	126	22.16	14.92	67	23.50
MOKELUMNE RIVER									
SALT SPRINGS PH	3700	PG&E	3.96	4.73	119	40.16	33.12	82	44.13
WEST POINT 3 SW	2365	NWS	3.39	2.93	86	34.66	25.38	73	37.06
TIGER CREEK PH	2355	PG&E	4.19	4.43	106	42.56	33.21	78	45.72
FIDDLETOWN LYNCH RANCH	2140	NWS	2.74	3.31	121	32.49	26.45	81	34.60
ELECTRA PH	715	PG&E	2.88	2.17	75	27.95	20.37	73	29.79
STANISLAUS RIVER									
PINECREST STRAWBERRY	5620	PG&E	4.15	4.96	120	38.35	34.02	89	42.17
SPRING GAP FOREBAY	4875	PG&E	4.34	4.33	100	38.53	28.40	74	41.60
CALAVERAS BIG TREES	4696	NWS	4.92	4.94	100	50.62	31.23	62	54.13
TUOLUMNE RIVER									
LAKE ELEANOR	4662	NWS	3.71	-	-	38.97	-	-	42.26
HETCH HETCHY	3870	NWS	3.32	3.70	111	31.47	22.52	72	35.00
SONORA RS	1749	NWS	2.98	2.63	88	30.06	21.24	71	31.95
MERCED RIVER									
YOSEMITE NP	3985	NWS	3.35	5.86	175	33.96	27.99	82	36.90
DUDLEYS	3000	NWS	3.57	3.90	109	36.07	23.06	64	38.12
MARIPOSA	2011	NWS	2.69	1.99	74	28.37	15.87	56	29.90
EXCHEQUER RESERVOIR	484	NWS	1.95	2.02	104	18.03	12.12	67	19.05
UPPER SAN JOAQUIN RIVER									
FLORENCE LAKE	7345	SCEC	2.07	1.50	72	20.27	14.40	71	23.90
HUNTINGTON LAKE	7020	SCEC	3.22	2.90	90	29.74	26.90	90	32.86
CRANE VALLEY PH	3440	PG&E	3.87	2.11	55	38.04	22.54	59	40.40
NORTH FORK RS	2630	NWS	3.30	1.46	44	31.72	18.31	58	33.74
KINGS RIVER									
GRANT GROVE	6580	NWS	4.66	2.04	44	42.42	24.57	58	44.36
BALCH PH	1720	NWS	3.15	1.15	37	26.90	16.08	60	28.61
PINE FLAT DAM	615	USCE	1.95	0.38	19	18.42	8.74	47	19.35
KAWEAH RIVER									
LODGEPOLE	6735	NWS	4.70	2.53	54	42.00	24.48	58	44.88
ASH MOUNTAIN	1708	NWS	3.12	1.36	44	24.85	12.21	49	26.51
THREE RIVERS EDISON PH NO 2	950	NWS	2.47	1.00	40	20.17	11.01	55	21.43
TULE RIVER									
TULE RIVER INTAKE	2450	SCEC	3.03	1.04	34	26.76	13.43	50	27.55
KERN RIVER									
KERN RIVER INTAKE NO 3	3650	SCEC	1.39	0.85	61	17.12	7.42	43	18.12
GLENNVILLE	3140	NWS	2.13	0.93	44	16.81	8.64	51	18.10
KERN RIVER PH NO 3	2703	SCEC	0.81	0.51	63	10.93	5.40	49	11.75
WOFFORD HEIGHTS	2700	NWS	0.77	0.27	35	10.04	4.54	45	10.64
LAHONTAN AREA									
SURPRISE VALLEY									
CEDARVILLE	4670	NWS	1.02	1.16	114	9.90	12.28	124	12.75
FORT BIDWELL	4498	NWS	1.07	0.79	74	11.76	15.51	132	14.81
MADELINE PLAINS-HONEY LAKE									
RAVENDALE JIM MARR RANCH	5540	DWR	0.51	-	-	6.30	-	-	8.57
SUSANVILLE COURTHOUSE	4325	DWR	0.97	-	-	14.87	-	-	17.27
DOYLE	4240	NWS	0.59	0.34	58	8.61	5.47	64	10.44
SUSANVILLE AP	4148	NWS	0.77	0.74	96	12.65	9.49	75	14.80
WENDEL 1E	4040	DWR	0.45	0.56	124	6.33	4.10	65	7.93
TRUCKEE AND TAHOE BASIN									
TAHOE CITY	6230	NWS	2.19	3.05	139	29.15	21.59	74	32.01
TRUCKEE RS	5995	NWS	2.33	2.79	120	28.80	21.90	76	31.95
CARSON RIVER									
WOODFORDS	5671	NWS	1.41	1.77	126	17.63	13.51	77	21.53
WALKER RIVER									
BRIDGEPORT	6470	NWS	0.49	0.54	110	7.24	4.76	66	9.25
MONO BASIN									
ELLERY LAKE	9600	SCEC	1.88	2.65	141	20.66	16.09	78	24.30
GEM LAKE	8970	SCEC	1.63	1.72	106	17.93	13.36	75	20.95
MONO LAKE	6450	NWS	0.81	0.99	122	14.37	6.98	49	16.53

TABLE 1 - PRECIPITATION DATA (CONTINUED)

AREA, DRAINAGE BASIN AND PRECIPITATION STATION	ELEV IN FEET	SOURCE OF DATA (1)	PRECIPITATION (2) APRIL 1972 AVERAGE	TOTAL FOR MONTH	PERCENT OF AVERAGE	OCT 1, 1971 - APR 30, 1972 AVERAGE	TOTAL FOR SEASON	PERCENT OF AVERAGE	AVERAGE WATER YEAR
LAHONTAN AREA (CONTINUED)									
OWENS RIVER									
WHITE MOUNTAIN NO 2	1247	NWS	1.27	0.83	65	12.43	15.80	127	15.37
SOUTH LAKE	9580	SCEC	1.48	1.53	103	15.12	9.49	63	18.12
LAKE SABRINA	9065	SCEC	1.37	0.90	66	14.15	8.24	58	17.04
CROOKED CREEK	6700	LADWP	0.61	0.09	15	8.64	5.16	60	10.20
BIG PINES PH NO 3	4680	LADWP	0.48	0.05	10	7.86	3.30	42	8.72
BISHOP NWS AP	4108	NWS	0.40	0.02	5	5.03	1.34	27	5.84
INDEPENDENCE	3950	NWS	0.32	0.00	0	4.60	1.57	34	5.28
LA AQUEDUCT AT INTAKE	3841	LADWP	0.31	0.00	0	4.97	1.01	20	5.64
HAIWEE	3825	NWS	0.44	0.00	0	5.27	2.42	46	6.17
COTTONWOOD GATES	3710	LADWP	0.44	0.00	0	5.60	2.01	36	6.44
DEATH VALLEY									
DEATH VALLEY	-194	NWS	0.16	0.09	56	1.32	0.72	55	1.77
MOJAVE DESERT									
BIG PINES PARK	6860	LACFCD	2.23	0.42	19	23.60	17.21	73	25.47
FAIRMONT	3060	NWS	1.28	0.06	5	14.43	8.91	62	15.15
PALMDALE FAA AP	2517	NWS	0.53	0.07	13	7.36	2.17	30	7.96
INYOKERN	2440	NWS	0.20	0.00	0	3.20	1.36	43	4.12
DAGGETT FAA AP	1922	NWS	0.28	0.08	29	3.33	0.90	27	4.37
BAKER 9NNW	1045	NWS	0.21	-	-	2.64	-	-	3.68
COLORADO DESERT AREA									
TWENTYNINE PALMS	1975	NWS	0.04	0.00	0	2.32	0.21	9	3.89
IRON MOUNTAIN	922	NWS	0.13	0.00	0	2.07	0.26	13	3.08
NEEDLES FAA AP	913	NWS	0.24	0.01	4	2.94	0.81	28	4.38
BLYTHE FAA AP	390	NWS	0.18	0.00	0	2.40	0.14	6	3.71
YUMA, ARIZONA NWS AP	199	NWS	0.11	0.00	0	1.42	0.10	7	2.31
IMPERIAL	-64	NWS	0.12	0.00	0	1.90	0.29	15	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 PER-CENT OF APR 1 AVG.	APRIL 1 AVG (2) INCHES	ONE YEAR AGO IN INCHES
NORTH COASTAL AREA									
SCOTT RIVER									
MIDDLE BOULDER 1	5	6600	5- 3-72	43.5	50	21.8	71	30.7	30.4
MIDDLE BOULDER 3	311	6200	5- 3-72	14.4	49	7.1	27	26.5	23.5
DYNAMITE MEADOW	298	5700	5- 3-72	0.0	-	0.0	0	17.4	16.4
SWAMPY JOHN	285	5500	5- 1-72	57.2	47	26.8	71	37.6	61.8
TRINITY RIVER									
RED ROCK MOUNTAINN	10	6700	4-27-72	58.4	49	28.9	68	42.5	58.7
BEAR BASIN	11	6500	4-27-72	47.5	52	24.6	66	37.5	35.9
SHIMMY LAKE	12	6200	4-27-72	58.8	49	28.7	61	47.3	58.6
HIGHLAND LAKES	16	6000	5- 2-72	0.0	-	0.0	0	32.3	35.6
BIG FLAT	17	5100	4-27-72	0.0	-	0.0	0	15.3	16.2
SOUTH COASTAL AREA									
SANTA ANA RIVER									
CHRISTMAS TREE HILL	351	8500	5- 2-72	0.0	-	0.0	0	14.7	6.1
SAN YCA	352	7500	5- 2-72	0.0	-	0.0	0	3.2	0.0
CENTRAL VALLEY AREA									
SACRAMENTO RIVER									
MOUNT SHASTA	18	7900	5- 2-72	91.6	53	48.3	97	49.7	62.9
SAND FLAT	19	6800	5- 2-72	65.6	54	35.2	86	41.1	50.6
SLATE CREEK	22	5600	5- 2-72	0.0	-	0.0	0	27.8	32.7
MCCLOUD RIVER									
STOUTS MEADOW	25	5400	5- 3-72	27.4	55	15.0	36	41.4	46.4
PIT RIVER									
CEDAR PASS	30	7100	5- 1-72	35.3	50	17.6	106	16.6	20.4
THOUSAND LAKES	33	6500	4-28-72	55.4	48	26.4	73	36.4	45.6
ADIN MOUNTAINS	35	6350	5- 1-72	3.7	46	1.7	12	13.6	12.0
NEW MANZANITA LAKE	343	5900	5- 1-72	0.0	-	0.0	0	7.4	0.0
FEATHER RIVER									
LOWER LASSEN PEAK	47	8250	4-27-72	143.9	49	70.3	88	79.8	96.4
KETTLE ROCK	361	7300	4-26-72	24.4	51	12.5	56	22.5	34.6
MOUNT DYER 1	48	7100	4-27-72	38.3	47	18.1	73	24.9	32.4
GRIZZLY	359	6900	4-27-72	37.4	48	18.0	47	38.5	43.1
EUREKA BOWL	279	6800	5- 3-72	47.7	52	25.0	60	41.8	56.7
MOUNT HOUGH	360	6700	4-28-72	31.8	49	15.7	55	28.8	38.9
ROWLAND CREEK	280	6700	4-28-72	15.6	45	7.0	39	17.9	24.0
THREE LAKES	53	6250	4-28-72	59.2	50	29.8	74	40.1	(4)
EUREKA LAKE	52	6200	5- 3-72	24.4	51	12.4	39	32.1	42.9
HARKNESS FLAT	51	6200	4-27-72	40.3	47	19.0	66	28.7	(4)
MOUNT DYER 2	290	6050	4-27-72	0.0	-	0.0	0	15.1	17.0
MILL CREEK FLAT	54	5900	4-28-72	52.9	49	26.0	67	39.0	(4)
LAKE DAVIS	394	5820	4-27-72	0.0	-	0.0	-	(3)	(4)
FRENCHMAN COVE	353	5800	4-28-72	0.0	-	0.0	0	3.7	0.0
ABBEY	355	5650	4-28-72	0.0	-	0.0	0	10.2	6.9
ANTELOPE RIDGE	354	5650	4-28-72	0.0	-	0.0	0	4.0	0.0
LETTERBOX	49	5600	4-28-72	66.5	51	33.6	71	47.2	59.0
LEXINGTON	391	5600	4-30-72	0.0	-	0.0	-	(3)	(4)
MOUNT STOVER	55	5600	4-27-72	0.0	-	0.0	0	16.8	16.3
BROWNS CAMP	56	5400	4-28-72	0.0	-	0.0	0	22.4	32.4
FEATHER RIVER MEADOWS	58	5400	4-27-72	0.0	-	0.0	0	23.2	(4)
OATS MEADOW	395	5150	4-30-72	0.0	-	0.0	-	(3)	(4)
STONY CREEK									
ANTHONY PEAK	62	6200	5- 2-72	31.8	44	14.0	48	29.3	35.3
YUBA RIVER									
CASTLE CREEK 5	65	7400	5- 2-72	77.3	52	40.3	77	52.3	73.1
MEADOW LAKE	66	7200	4-25-72	112.1	47	52.6	95	55.4	(4)
RED MOUNTAIN	67	7200	4-25-72	98.1	46	45.0	92	49.0	(4)
DONNER SUMMIT	69	6900	4-25-72	56.4	50	28.1	70	39.9	(4)
FURNACE FLAT	76	6700	4-25-72	80.7	51	41.3	87	47.4	74.3
YUBA PASS	74	6700	4-28-72	30.1	50	15.1	50	30.0	34.8
LAKE FORDYCE	77	6500	4-25-72	64.7	51	32.9	81	40.4	59.4
CISCO	80	5900	4-25-72	26.8	51	13.6	53	25.5	36.7
CHAPMAN CREEK	372	5850	4-28-72	13.0	53	6.9	-	(3)	25.7
GIBSONVILLE	277	5400	5- 1-72	9.7	55	5.3	18	29.4	25.9
LAKE SPAULDING	85	5200	4-25-72	0.0	-	0.0	0	24.9	24.1

TABLE 2 - SNOW COURSE DATA (CONTINUED)

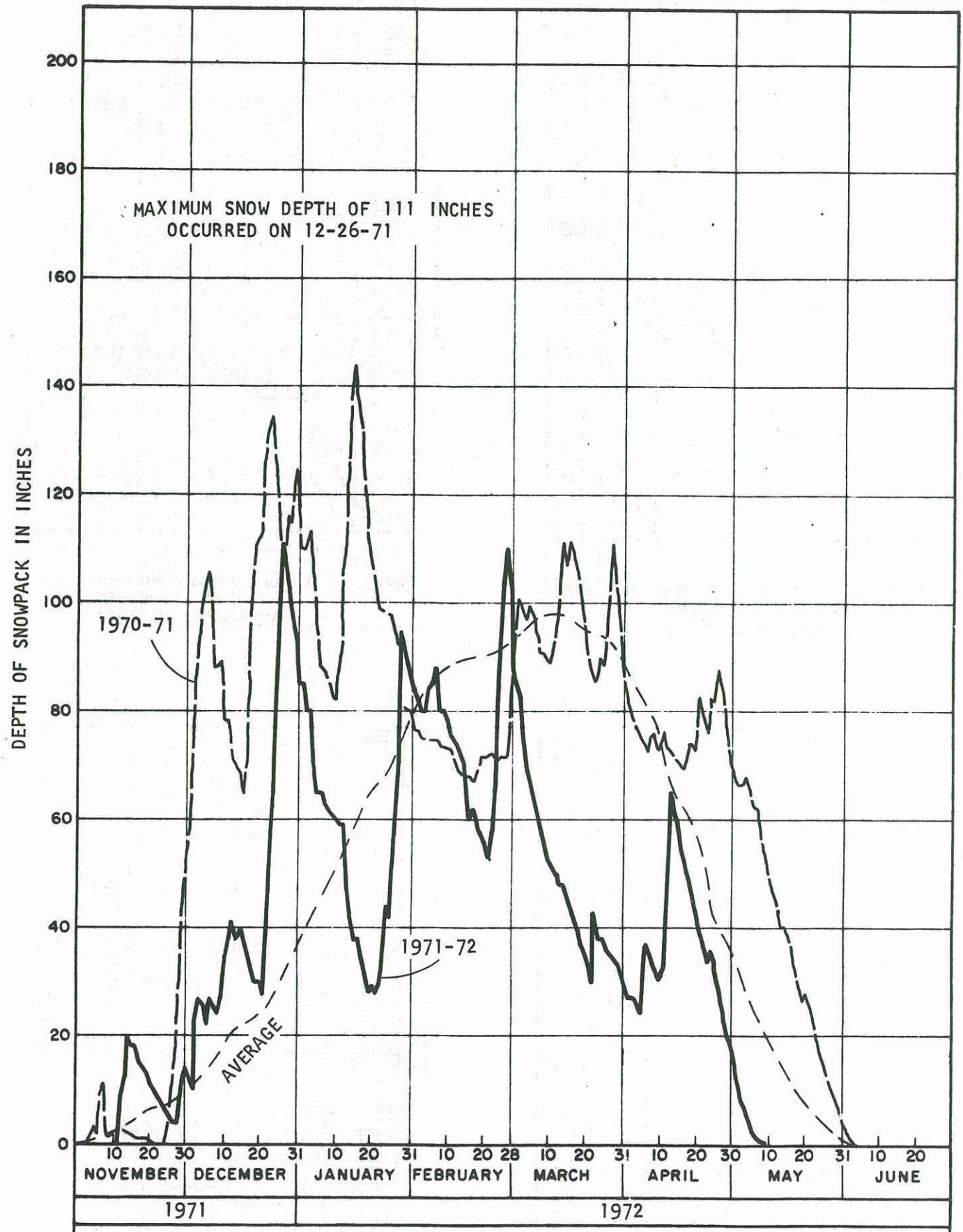
AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	IN PER-CENT OF APR 1 AVG.	APRIL 1 AVG (2) INCHES	ONE YEAR AGO IN INCHES
AMERICAN RIVER									
UPPER CARSON PASS	106	8500	4-25-72	66.7	52	34.4	98	35.0	39.5
EMIGRANT VALLEY	297	8400	4-25-72	73.6	51	37.3	85	44.0	48.4
LOWER CARSON PASS	331	8400	4-25-72	64.1	51	32.7	86	38.0	42.7
CAPLES LAKE	107	8000	4-25-72	41.0	50	20.4	67	30.4	33.2
ALPHA	365	7600	5- 1-72	53.3	50	26.5	77	34.2	37.5
LOST CORNER MOUNTAIN	338	7500	5- 1-72	43.0	49	21.0	60	34.9	43.3
ECHO SUMMIT	108	7450	4-28-72	46.0	52	24.0	64	37.5	35.7
LAKE AUDRAIN	110	7300	4-28-72	49.0	52	25.5	71	35.9	38.8
DARRINGTON	111	7100	4-28-72	19.1	52	10.0	32	30.8	22.1
WRIGHTS LAKE	316	6900	5- 1-72	39.8	51	20.2	60	33.5	33.2
PHILLIPS	113	6800	4-28-72	15.6	52	8.1	28	29.1	21.4
LYONS CREEK	320	6700	5- 1-72	35.1	52	18.2	58	31.5	34.5
HUYSINK	115	6600	5- 3-72	63.1	52	32.5	70	46.4	61.7
TAMARACK FLAT	289	6550	4-28-72	31.5	50	15.7	55	28.6	28.1
WABENA MEADOWS	114	6300	5- 8-72	49.2	53	26.2	65	40.1	53.1
MIRANDA CABIN	369	6200	5- 8-72	40.9	52	21.4	55	38.9	51.8
ONION CREEK	120	6100	5- 2-72	0.0	-	0.0	0	21.8	20.7
DIAMOND CROSSING	371	6050	5- 8-72	0.0	-	0.0	0	21.9	24.6
TALBOT CAMP	122	5750	5- 8-72	0.0	-	0.0	0	20.2	19.1
STRAWBERRY	124	5700	4-28-72	0.0	-	0.0	0	8.6	0.0
ROBBS VALLEY	322	5600	5- 2-72	0.0	-	0.0	0	22.1	14.0
ICE HOUSE	127	5300	5- 2-72	0.0	-	0.0	0	10.5	0.0
MOKELUMNE RIVER									
BLUE LAKES	129	8000	4-27-72	65.5	44	28.5	82	34.9	39.8
BEAR VALLEY RIDGE 1	134	6700	4-26-72	33.4	48	15.9	62	25.5	15.9
LUMBERYARD	135	6500	5- 1-72	26.6	52	13.9	43	32.3	26.8
HAMS STATION	136	5500	5- 1-72	0.0	-	0.0	0	8.1	0.0
ANTELOPE SPRINGS	137	4350	5- 1-72	0.0	-	0.0	0	4.2	0.0
STANISLAUS RIVER									
DEADMAN CREEK	345	9250	4-26-72	66.2	48	31.9	91	34.9	(4)
CLARK FORK MEADOW	344	8900	4-26-72	75.8	49	36.9	97	38.0	(4)
LOWER RELIEF VALLEY	138	8100	4-26-72	59.6	51	30.6	78	39.3	42.1
LAKE ALPINE	141	7550	4-28-72	50.5	50	25.1	61	41.0	33.7
STANISLAUS MEADOW	384	7750	4-26-72	72.7	50	36.0	-	(3)	49.3
HERRING CREEK	142	7300	4-26-72	29.3	48	14.0	49	28.3	22.5
HELLS KITCHEN	373	6550	4-28-72	3.8	39	1.5	-	(3)	8.2
BLACK SPRING	386	6500	4-28-72	3.1	48	1.5	-	(3)	10.6
NIAGARA FLAT	145	6500	4-26-72	7.6	51	3.9	19	20.9	8.5
COTTAGE SPRING	147	5750	4-28-72	0.0	-	0.0	0	14.4	0.0
DORRINGTON	149	4750	4-28-72	0.0	-	0.0	0	5.6	0.0
TUOLUMNE RIVER									
DODGE RIDGE	379	8150	4-28-72	49.8	53	26.2	-	(3)	40.6
PARADISE	167	7700	5- 2-72	41.0	53	21.8	54	40.1	35.7
KERRICK CORRAL	348	7000	5- 1-72	0.0	-	0.0	0	18.8	6.0
VERNON LAKE	169	6700	5- 1-72	8.4	40	3.4	14	24.1	10.3
BEEHIVE MEADOW	171	6500	5- 1-72	13.6	46	6.2	23	26.6	13.1
MERCED RIVER									
SNOW FLAT	176	8700	5- 3-72	58.8	58	34.0	81	42.2	41.9
OSTRANDER LAKE	177	8200	4-30-72	33.7	53	17.8	53	33.6	27.0
GIN FLAT	179	7000	5- 3-72	0.0	-	0.0	0	33.8	19.1
PEREGOY MEADOWS	180	7000	4-30-72	44.5	46	20.5	63	32.4	26.6
SAN JOAQUIN RIVER									
AGNEW PASS	189	9450		NO SURVEY MADE				31.3	23.2
KAISER PASS	190	9100	4-26-72	41.2	51	21.2	55	38.2	31.2
CORA LAKES	193	8400	4-30-72	37.0	51	19.0	51	36.9	29.3
BADGER FLAT	346	8300	4-26-72	18.0	56	10.1	32	31.8	17.4
NELLIE LAKE	194	8000	4-27-72	20.5	59	12.1	33	36.5	22.4
LAKE THOMAS A EDISON	324	7800	4-26-72	0.0	-	0.0	0	15.1	0.0
CHILKOOT LAKE	196	7450	5- 2-72	14.4	54	7.8	21	36.6	25.8
TAMARACK CREEK	347	7250	4-27-72	0.0	-	0.0	0	25.1	7.6
FLORENCE LAKE	198	7200	4-26-72	0.0	-	0.0	0	7.6	0.0
CHILKOOT MEADOW	197	7150	5- 2-72	15.2	54	8.2	23	35.9	26.2
CLOVER MEADOW	200	7000	4-29-72	3.7	57	2.1	9	23.9	4.3
HUNTINGTON LAKE	199	7000	4-26-72	0.0	-	0.0	0	19.0	5.4
JACKASS MEADOW	201	6950	4-29-72	3.9	54	2.1	9	23.8	4.6
CHIQUITO CREEK	202	6800	5- 2-72	0.0	-	0.0	0	21.2	0.9
POISON MEADOW	204	6800	5- 2-72	1.6	50	0.8	3	24.9	12.7
KINGS RIVER									
BISHOP PASS	222	11200	5- 5-72	50.9	47	23.9	77	31.1	31.9
BLACKCAP BASIN	223	10300	5- 1-72	38.0	52	19.7	58	34.2	30.0
BEARD MEADOW	225	9800	5- 1-72	35.0	51	17.9	55	32.8	(4)
UPPER BURNT CORRAL MDW	224	9700	5- 1-72	44.0	52	22.6	65	35.0	32.2
ROUND CORRAL	229	9000	5- 1-72	18.2	45	8.2	23	34.9	(4)

TABLE 2 - SNOW COURSE DATA (CONTINUED)

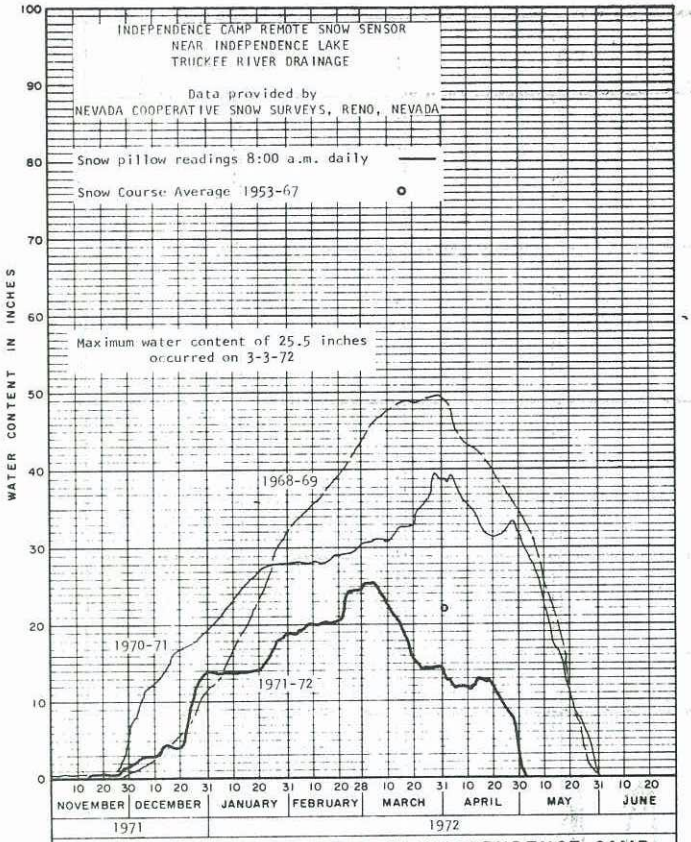
AREA, DRAINAGE BASIN, AND SNOW COURSE (1)	CALIF NUMBER	ELEV IN FEET	DATE OF SURVEY	DEPTH IN INCHES	DENSITY IN PERCENT	WATER CONTENT IN INCHES	IN PER-CENT OF APR 1 AVG.	APRIL 1 AVG (2) INCHES	ONE YEAR AGO IN INCHES
KINGS RIVER (CONTINUED)									
ROWELL MEADOW	226	8850	5- 5-72	2.7	41	1.1	4	27.4	14.5
LONG MEADOW	232	8500	5- 1-72	11.8	58	6.8	24	28.6	16.4
STATUM MEADOW	233	8300	5- 1-72	0.0	-	0.0	0	31.1	(4)
DODSONS MEADOW	308	8050	5- 1-72	4.9	53	2.6	9	30.2	13.3
BIG MEADOWS	236	7600	5- 5-72	0.0	-	0.0	0	25.8	5.3
HORSE CORRAL MEADOW	237	7600	5- 5-72	0.0	-	0.0	0	17.4	(4)
GRANT GROVE	240	6600	5- 5-72	0.0	-	0.0	0	14.6	2.4
KAWEAH RIVER									
PANTHER MEADOW	243	8600	5- 3-72	29.9	49	14.6	39	37.1	27.5
GIANT FOREST	246	6400	5- 2-72	0.0	-	0.0	0	16.8	6.8
KERN RIVER									
BIGHORN PLATEAU	250	11350	5- 2-72	10.1	43	4.3	18	23.4	(4)
COTTONWOOD PASS	251	11050	4-29-72	4.2	45	1.9	13	14.1	3.7
SIBERIAN PASS	252	10900	4-30-72	10.6	45	4.8	25	19.0	(4)
CRABTREE MEADOW	253	10700	5- 1-72	3.4	41	1.4	7	19.9	(4)
GUYOT FLAT	254	10650	5- 1-72	10.9	42	4.6	22	21.1	(4)
SANDY MEADOWS	275	10650	5- 2-72	0.0	-	0.0	0	19.2	(4)
TYNDALL CREEK	255	10650	5- 2-72	0.0	-	0.0	0	19.1	(4)
BIG WHITNEY MEADOW	257	9750	4-29-72	0.0	-	0.0	0	17.7	1.7
ROCK CREEK	256	9600	4-30-72	0.0	-	0.0	0	18.0	(4)
ROUND MEADOW	258	9000	5- 2-72	0.0	-	0.0	0	25.6	13.3
LAHONTAN AREA									
SUSAN RIVER									
SILVER LAKE MEADOWS	45	6450	4-28-72	29.3	53	15.6	55	28.4	37.5
NORVELL FLAT	46	5700	4-28-72	0.0	-	0.0	0	15.6	13.0
TRUCKEE RIVER									
MT. ROSE SKI AREA	392	8850	4-26-72	79.0	45	35.9	-	(3)	(4)
INDEPENDENCE LAKE	86	8450	4-24-72	92.0	43	39.9	97	41.3	(4)
SQUAW VALLEY 2	318	7500	4-30-72	91.0	49	44.6	85	52.4	65.1
INDEPENDENCE CAMP	88	7000	4-24-72	25.0	46	11.5	49	23.3	(4)
SAGE HEN CREEK	90	6500	4-26-72	15.0	43	6.4	35	18.3	19.0
LAKE TAHOE BASIN									
HEAVENLY VALLEY	375	8850	4-27-72	54.0	47	25.2	-	(3)	32.9
HAGANS MEADOW	98	8000	4-26-72	7.0	59	4.1	23	18.2	6.8
MARLETTE LAKE NEVADA	332	8000	4-26-72	24.0	47	11.4	49	23.1	23.0
FREEL BENCH	100	7300	4-26-72	1.0	10	0.1	1	11.7	3.7
WARD CREEK	101	7000	4-27-72	74.0	47	35.0	77	45.4	53.0
WARD CREEK 3	376	6750	4-27-72	66.0	51	33.4	87	38.2	49.0
UPPER TRUCKEE	104	6400	4-26-72	1.0	10	0.1	1	8.1	(4)
WALKER RIVER									
VIRGINIA LAKES	150	9500		NO SURVEY MADE				19.0	(4)
VIRGINIA LAKES RIDGE	377	9200	4-25-72	32.0	35	11.2	66	17.0	12.8
SONORA PASS	152	8800	4-25-72	35.0	47	16.3	67	24.3	19.5
MONO LAKE BASIN									
GEM PASS	281	10400		NO SURVEY MADE				32.1	(4)
GEM LAKE	282	9150		NO SURVEY MADE				30.7	(4)
OWENS RIVER									
BISHOP LAKE	284	11300	5- 5-72	9.1	40	3.6	17	21.5	9.5
SAWMILL	213	10300	5- 6-72	10.0	38	3.8	21	18.5	8.9
MAMMOTH PASS	205	9500	4-28-72	55.6	51	28.2	67	42.0	38.2
SOUTH FORK	215	8850	5- 5-72	0.0	-	0.0	0	5.3	0.0
NUCLEAR 1	357	7800	5- 1-72	0.0	-	0.0	0	2.4	0.0

(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.

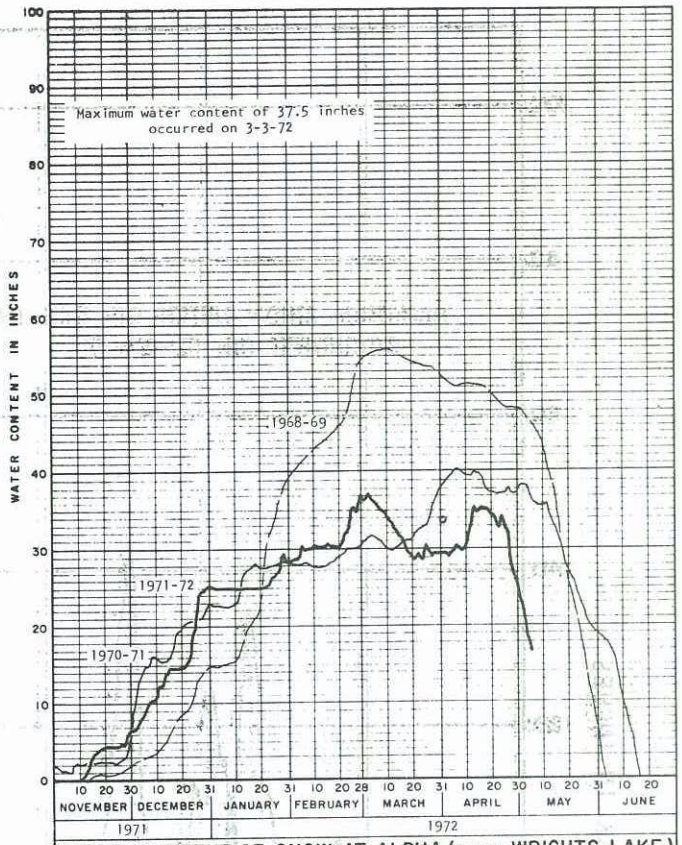
PLATE 1



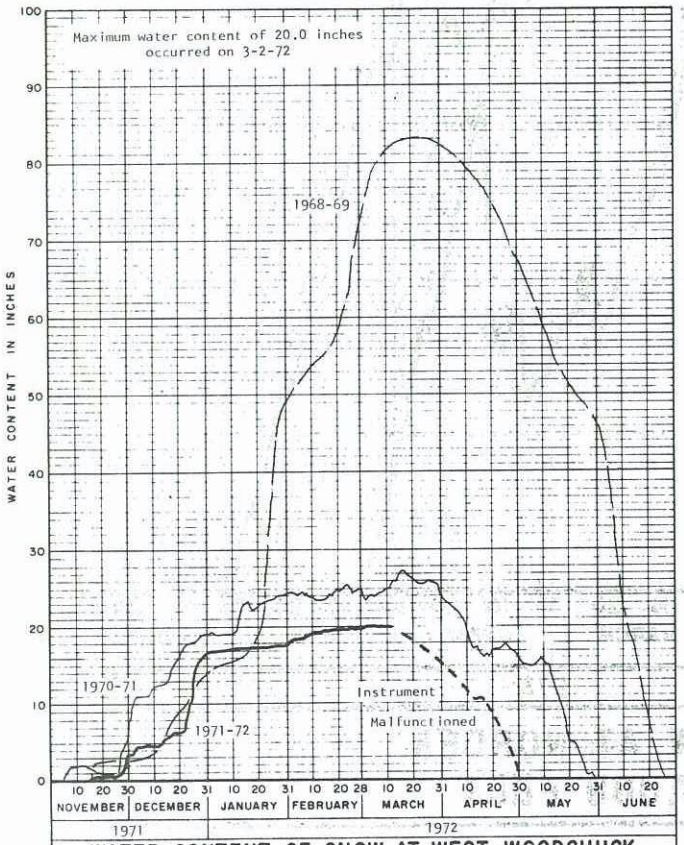
DEPTH OF SNOW AT NORDEN
ELEVATION 7,000 FEET



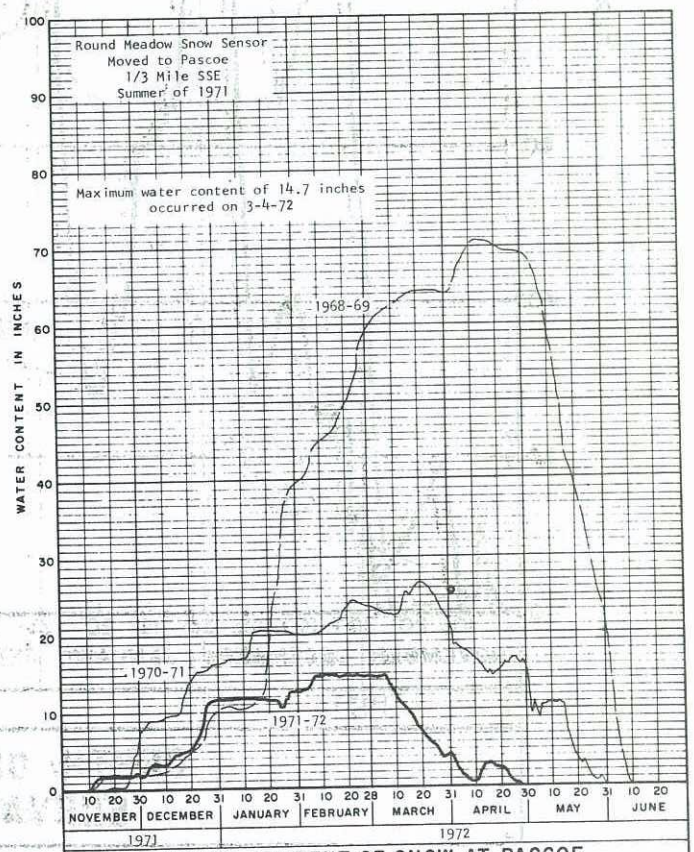
WATER CONTENT OF SNOW AT INDEPENDENCE CAMP
ELEVATION 7,000 FEET
TRUCKEE RIVER BASIN



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



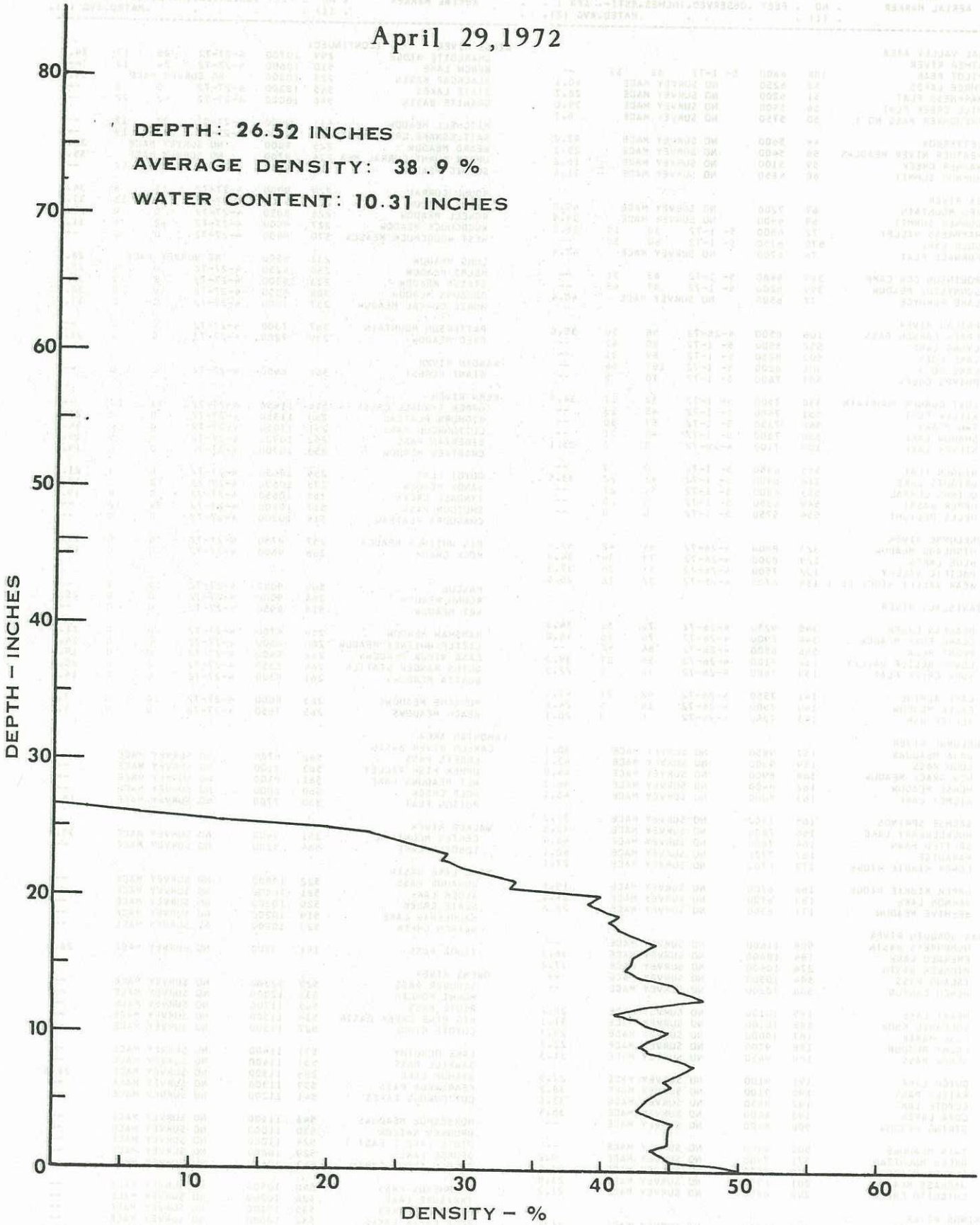
WATER CONTENT OF SNOW AT WEST WOODCHUCK
ELEVATION 8,800 FEET
KINGS RIVER BASIN



WATER CONTENT OF SNOW AT PASCOE
ELEVATION 9,130 FEET
KERN RIVER BASIN

PROFILE OF SNOW DENSITY

April 29, 1972



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 5

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						
PILOT PEAK	388	6800	5- 1-72	66	33	--
THREE LAKES	53	6250	NO SURVEY MADE			40.1
HARKNESS FLAT	51	6200	NO SURVEY MADE			28.7
MILL CREEK FLAT	54	5900	NO SURVEY MADE			39.0
FREDONYER PASS NO 1	50	5750	NO SURVEY MADE			8.7
LETTERBOX	49	5600	NO SURVEY MADE			47.2
FEATHER RIVER MEADOWS	58	5400	NO SURVEY MADE			23.2
WARNER CREEK	59	5100	NO SURVEY MADE			16.2
HUMBUG SUMMIT	60	4850	NO SURVEY MADE			11.6
YUBA RIVER						
RED MOUNTAIN	67	7200	NO SURVEY MADE			49.0
DONNER SUMMIT	69	6900	NO SURVEY MADE			39.9
HAYPRESS VALLEY	72	6800	5- 1-72	30	15	36.0
GOLD LAKE	575	6750	5- 1-72	60	30	--
FURNACE FLAT	76	6700	NO SURVEY MADE			47.4
ROBINSON COW CAMP	389	6480	5- 1-72	63	31	--
SUNNYSIDE MEADOW	390	6200	5- 1-72	87	43	--
LAKE FORDYCE	77	6500	NO SURVEY MADE			40.4
AMERICAN RIVER						
UPPER CARSON PASS	106	8500	4-26-72	58	30	35.0
LYONS LAKE	552	8500	5- 1-72	80	42	--
LAKE LOIS	502	8250	5- 1-72	59	31	--
LAKE NO 3	501	8200	5- 1-72	107	56	--
PHIPPS CREEK	503	7600	5- 1-72	10	5	--
LOST CORNER MOUNTAIN	338	7500	5- 1-72	32	17	34.9
WILLOW FLAT	551	7400	5- 1-72	45	23	--
TWO PEAKS	546	7350	5- 1-72	57	30	--
SHADOW LAKE	550	7300	5- 1-72	40	21	--
SILVER LAKE	109	7100	4-26-72	0	0	23.1
NIGGER FLAT	555	6950	5- 1-72	0	0	--
WRIGHTS LAKE	316	6900	5- 1-72	42	22	33.5
QUINNS CORRAL	553	6800	5- 1-72	51	27	--
UPPER BASSI	549	6350	5- 1-72	0	0	--
HELLS DELIGHT	554	5750	5- 1-72	0	0	--
MOKELUMNE RIVER						
HIGHLAND MEADOW	323	8800	4-26-72	84	42	52.8
BLUE LAKES	129	8000	4-26-72	73	36	34.9
PACIFIC VALLEY	132	7500	4-26-72	53	26	37.3
BEAR VALLEY RIDGE NO 1	134	6700	4-26-72	32	16	25.5
STANISLAUS RIVER						
DEADMAN CREEK	345	9250	4-26-72	70	35	34.9
CLARK FORK MEADOW	344	8900	4-26-72	70	35	38.0
MOUNT REBA	566	8500	4-26-72	84	42	--
LOWER RELIEF VALLEY	138	8100	4-26-72	54	27	39.3
SODA CREEK FLAT	139	7800	4-26-72	10	5	22.3
LAKE ALPINE	141	7550	4-26-72	42	21	41.0
EAGLE MEADOW	140	7500	4-26-72	10	5	24.6
RELIEF DAM	143	7250	4-26-72	6	3	20.1
TUOLUMNE RIVER						
DANA MEADOWS	157	9850	NO SURVEY MADE			30.1
BOND PASS	159	9300	NO SURVEY MADE			43.1
NEW GRACE MEADOW	368	8900	NO SURVEY MADE			44.0
HORSE MEADOW	162	8400	NO SURVEY MADE			46.3
WILMER LAKE	163	8000	NO SURVEY MADE			43.1
SACHSE SPRINGS	165	7900	NO SURVEY MADE			37.7
HUCKLEBERRY LAKE	166	7800	NO SURVEY MADE			42.5
SPOTTED FAWN	164	7800	NO SURVEY MADE			46.4
PARADISE	167	7700	NO SURVEY MADE			40.1
LOWER KIBBIE RIDGE	173	6700	NO SURVEY MADE			27.1
UPPER KIBBIE RIDGE	168	6700	NO SURVEY MADE			19.6
VERNON LAKE	169	6700	NO SURVEY MADE			24.1
BEEHIVE MEADOW	171	6500	NO SURVEY MADE			26.6
SAN JOAQUIN RIVER						
HUMPHREYS BASIN	509	11600	NO SURVEY MADE			--
EMERALD LAKE	184	10600	NO SURVEY MADE			36.3
PIONEER BASIN	276	10400	NO SURVEY MADE			37.2
ISLAND PASS	504	10300	NO SURVEY MADE			--
BENCH CANYON	506	10200	NO SURVEY MADE			--
HEART LAKE	185	10100	NO SURVEY MADE			28.2
VOLCANIC KNOB	186	10100	NO SURVEY MADE			31.1
ROSE MARIE	187	10000	NO SURVEY MADE			29.7
COLBY MEADOW	188	9700	NO SURVEY MADE			22.8
AGNEW PASS	189	9450	NO SURVEY MADE			31.3
DUTCH LAKE	191	9100	NO SURVEY MADE			27.3
KAISER PASS	190	9100	NO SURVEY MADE			38.2
COYOTE LAKE	192	8850	NO SURVEY MADE			33.0
CORA LAKES	193	8400	NO SURVEY MADE			36.9
STRING MEADOW	508	8400	NO SURVEY MADE			--
TWIN MEADOWS	505	8400	NO SURVEY MADE			--
GREEN MOUNTIAN	571	7900	NO SURVEY MADE			0.2
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			31.1
TABOOSE PASS	536	11000	NO SURVEY MADE			--
CARDINAL LAKE	513	10900	4-27-72	33	17	--
KINGS RIVER (CONTINUED)						
CHARLOTTE RIDGE	299	10700	4-27-72	33	17	34.1
BENCH LAKE	510	10600	4-27-72	24	12	--
BLACKCAP BASIN	223	10300	NO SURVEY MADE			34.2
STATE LAKES	545	10300	4-27-72	0	0	--
GRANITE BASIN	546	10000	4-27-72	42	22	--
MITCHELL MEADOW	511	9900	4-27-72	33	17	--
RATTLESNAKE CREEK BASI	515	9900	4-27-72	36	19	--
BEARD MEADOW	225	9800	NO SURVEY MADE			32.8
UPPER BURNT CORRAL MEA	224	9700	NO SURVEY MADE			35.0
SCENIC MEADOW	512	9650	4-27-72	24	12	--
ROUND CORRAL	229	9000	4-27-72	15	8	34.9
SWAMP MEADOW	228	9000	4-27-72	30	16	37.3
ROWELL MEADOW	226	8850	4-27-72	0	0	27.4
WOODCHUCK MEADOW	227	8800	4-27-72	12	6	31.2
WEST WOODCHUCK MEADOW	570	8800	4-27-72	0	0	--
LONG MEADOW	232	8500	NO SURVEY MADE			28.6
HELMS MEADOW	230	8250	4-27-72	0	0	25.5
STATUM MEADOW	233	8300	4-27-72	0	0	31.1
DODSONS MEADOW	308	8050	4-27-72	0	0	30.2
HORSE CORRAL MEADOW	237	7600	4-27-72	0	0	17.4
PATTERSON MOUNTAIN	567	7300	4-27-72	0	0	--
FRED MEADOW	239	7200	4-27-72	0	0	21.0
KAWEAH RIVER						
GIANT FOREST	568	6650	4-27-72	0	0	--
KERN RIVER						
UPPER TYNDALL CREEK	516	11450	4-27-72	33	17	--
BIGHORN PLATEAU	250	11350	4-27-72	0	0	23.4
COTTONWOOD PASS	251	11050	4-27-72	0	0	14.1
SIBERIAN PASS	252	10900	4-27-72	9	5	19.0
CRABTREE MEADOW	253	10700	4-27-72	0	0	19.9
GUYOT FLAT	254	10650	4-27-72	6	3	21.1
SANDY MEADOW	275	10650	4-27-72	0	0	19.2
TYNDALL CREEK	255	10650	4-27-72	0	0	19.1
SHOTGUN PASS	517	10400	4-27-72	24	12	--
CHAGOOPA PLATEAU	514	10300	4-27-72	0	0	--
BIG WHITNEY MEADOW	257	9750	4-27-72	0	0	17.7
ROCK CREEK	256	9600	4-27-72	0	0	18.0
PASCUE	569	9000	4-27-72	0	0	--
ROUND MEADOW	258	9000	4-27-72	0	0	25.6
WET MEADOW	518	8950	4-27-72	0	0	--
RAMSHAW MEADOW	259	8700	4-27-72	0	0	11.7
LITTLE WHITNEY MEADOW	260	8500	4-27-72	0	0	14.0
CASA VIEJA MEADOWS	262	8400	4-27-72	0	0	19.8
QUINN RANGER STATION	264	8350	4-27-72	0	0	20.4
BONITA MEADOWS	261	8300	4-27-72	0	0	14.4
MONACHE MEADOWS	263	8000	4-27-72	0	0	7.9
BEACH MEADOWS	265	7650	4-27-72	0	0	9.5
LAHONTAN AREA						
CARSON RIVER BASIN						
EBBETS PASS	562	8700	NO SURVEY MADE			--
UPPER FISH VALLEY	563	8100	NO SURVEY MADE			--
WET MEADOWS LAKE	561	8100	NO SURVEY MADE			--
WOLF CREEK	560	8000	NO SURVEY MADE			--
POISON FLAT	330	7700	NO SURVEY MADE			15.6
WALKER RIVER						
CENTER MOUNTIAN	151	9400	NO SURVEY MADE			37.3
LOBDELL LAKE	564	9200	NO SURVEY MADE			--
MONO LAKE BASIN						
DONAHUE PASS	522	10800	NO SURVEY MADE			--
ALGER LAKE	521	10600	NO SURVEY MADE			--
SLATE CREEK	520	10300	NO SURVEY MADE			--
SADDLEBAG LAKE	519	10200	NO SURVEY MADE			--
WARREN CREEK	523	10200	NO SURVEY MADE			--
TIOGA PASS	181	9800	NO SURVEY MADE			26.3
OWENS RIVER						
SCHOBER PASS	525	12300	NO SURVEY MADE			--
MOUNT MORGAN	533	12000	NO SURVEY MADE			--
PIUTE PASS	565	11700	NO SURVEY MADE			--
BIG PINE CREEK BASIN	534	11500	NO SURVEY MADE			--
COYOTE RIDGE	527	11500	NO SURVEY MADE			--
LAKE DOROTHY	531	11400	NO SURVEY MADE			--
SAWMILL PASS	537	11400	NO SURVEY MADE			--
BISHOP LAKE	284	11300	NO SURVEY MADE			21.5
KEARSARGE PASS	539	11300	NO SURVEY MADE			--
COTTONWOOD LAKES	541	11200	NO SURVEY MADE			--
HORSESHOE MEADOWS	543	11100	NO SURVEY MADE			--
DRUNKEN SAILOR	530	11000	NO SURVEY MADE			--
PIUTE LAKE (EAST)	524	11000	NO SURVEY MADE			--
GEORGE LAKE	529	10600	NO SURVEY MADE			--
GOLDEN TROUT CABIN	542	10600	NO SURVEY MADE			--
SHEPHERDS PASS	540	10500	NO SURVEY MADE			--
TREASURE LAKE	528	10200	NO SURVEY MADE			--
BIG PINE LAKES	535	10100	NO SURVEY MADE			--
ROCK CREEK LAKES	532	10000	NO SURVEY MADE			--
MAMMOTH PASS	205	9500	NO SURVEY MADE			42.0
ONION VALLEY	538	9000	NO SURVEY MADE			--

(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 1931-70.

TABLE 4

SUMMARY OF STORAGE IN MAJOR RESERVOIRS

AREA	NUMBER OF RESERVOIRS	TOTAL CAPACITY 1000 AF	AGGREGRATE STORAGE AS OF MAY 1 10-YEAR AVE 1962-1971 1000 AF	1971 1000 AF	1972 1000 AF	1972 PERCENT OF AVERAGE	1972 PERCENT OF CAPACITY
INTRASTATE							
NORTH COASTAL	4	2713.900	2399.770	2575.600	2569.800	107	95
SAN FRANCISCO BAY	17	620.400	466.370	509.760	395.050	85	64
CENTRAL COASTAL	6	985.700	701.050	688.430	485.710	69	49
SOUTH COASTAL	26	1485.600	587.750	738.900	637.580	108	43
SACRAMENTO VALLEY	34	16005.400	13238.870	14307.130	14037.610	106	88
SAN JOAQUIN VALLEY	27	7665.000	3573.030	3306.750	3013.140	84	39
LAHONTAN	7	348.200	217.340	223.200	193.260	89	56
SUBTOTAL	121	29824.200	21184.160	22349.770	21332.160	101	72
INTERSTATE							
NORTH COASTAL	3	1205.100	797.000	984.470	1003.770	126	83
LAHONTAN	3	828.300	550.370	664.760	649.840	118	78
COLORADO DESERT (1)	4	53533.000	26827.540	31140.600	32520.300	121	61
SUBTOTAL (1)	10	55566.400	28174.910	32789.830	34173.910	121	62
TOTAL (1)	131	85390.600	49359.080	55139.600	55506.070	112	65

(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 MAY 1 10-YR AVE 1962-1971 1000 AF	1971 1000 AF	1972 1000 AF	1972 PER-CENT AVE
NORTH COASTAL AREA							
KLAMATH R	UPPER KLAMATH (2)	USBR	584.000	458.180	457.150	479.400	105
	CLEAR LAKE (2)	USBR	526.800	265.150	432.670	429.720	162
	GERBER (2)	USBR	94.300	73.650	94.650	94.650	129
SHASTA R	DWINNELL	MONTAGUE WCD	50.000	37.960	46.000	44.930	118
TRINITY R	CLAIR ENGLE LAKE	USBR	2447.700	2201.740	2354.200	2349.100	107
SOUTH EEL R	LAKE PILLSBURY	PAC GAS AND ELEC CO	93.700	81.580	86.790	86.650	106
RUSSIAN R	LAKE MENDOCINO	US CORPS OF ENGIN	122.500	78.460	88.610	89.120	114
SAN FRANCISCO BAY AREA							
NORTH BAY							
CONN CR	LAKE HENNESSEY	CITY OF NAPA	31.000	30.630	31.000	23.800	78
NICASIO CR	NICASIO	MARIN MWD	22.500	21.730	21.660	12.740	59
LAGUNITAS CR	KENT	MARIN MWD	16.700	16.050	16.690	15.890	99
	ALPINE	MARIN MWD	8.900	8.050	8.730	5.470	68
SOUTH EAST BAY							
SAN PABLO CR	SAN PABLO (3)	EAST BAY MUD	43.200	34.090	36.830	30.250	89
SAN LEANDRO CR	U SAN LEANDRO (3)	EAST BAY MUD	41.400	36.730	38.640	36.680	100
	CHABOT(3)	EAST BAY MUD	12.600	10.130	10.350	9.810	97
BEAR CR	BRIONES (3)	EAST BAY MUD	60.400	42.600(6)	58.490	52.890	123
SAN ANTONIO CR	SAN ANTONIO	CITY CO SAN FRANCISCO	50.500	34.760(6)	30.960	25.370	72
COYOTE CR	COYOTE	SANTA CLARA CO FCWD	24.500	15.410	21.880	4.690	30
	LEROY ANDERSON	SANTA CLARA CO FCWD	93.100	43.880	68.000	49.490	113
LOS GATOS CR	LEXINGTON	SANTA CLARA CO FCWD	21.400	13.860	12.140	2.530	18
	AUSTRIAN	SAN JOSE WATER WORKS	6.200	5.540	6.300	1.790	32
CALAVERAS CR	CALAVERAS (3)	CITY CO SAN FRANCISCO	100.000	83.200	83.220	58.480	70
PENINSULA							
SAN ANDREAS CR	SAN ANDREAS	CITY CO SAN FRANCISCO	18.500	16.930	17.280	14.040	83
LAGUNA CR	UPPER AND LOWER						
SAN MATEO CR	CRYSTAL SPRINGS(3)	CITY CO SAN FRANCISCO	69.500	52.680	47.590	51.130	97
CENTRAL COASTAL AREA							
SALINAS R	SANTA MARGARITA LK	SAN LUIS OBISPO CITY	26.000	24.430	23.600	17.740	73
	SAN ANTONIO	MONTEREY CO FCWCD	350.000	241.400(6)	269.250	218.600	90
	NACIMIENTO	MONTEREY CO FCWCD	350.000	216.750	167.460	61.500	28
SANTA YNEZ R	GIBRALTAR	SANTA BARBARA CITY	14.800	11.960	9.000	7.740	65
	CACHUMA	USBR	204.900	186.140	182.440	146.200	79
OLD CR	WHALE ROCK	SAN LUIS OBISPO CITY	40.000	20.330	36.680	33.930	167

TABLE 5 - STORAGE IN MAJOR RESERVOIRS (CONTINUED)

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) 1000 AF	STORAGE AS OF MAY 1: 10-YR AVE 1962-1971 1000 AF	1971 1000 AF	1972 1000 AF	1972 PER-CENT AVE
SOUTH COASTAL AREA							
VENTURA-SANTA CLARA RIVERS							
COYOTE CR	CASITAS	VENTURA R MWD	254.000	118.570	211.430	197.780	167
PIRU CR	LAKE PIRU	UNITED WCD CONS DIST	101.200	47.670	56.330	38.600	81
MATILIJA CR	MATILIJA	VENTURA CO FCD	3.500	2.570	1.960	0.970	38
SAN GABRIEL-SANTA ANA RIVERS							
SAN GABRIEL R	COGSWELL	LA CO FCD	10.900	4.370	2.800	2.600	59
	SAN GABRIEL	LA CO FCD	43.800	9.220	5.460	2.670	29
BEAR CR	BEAR VALLEY	BEAR V MUT WATER CO	72.200	34.010	62.120	61.270	180
TRIB, CAJALCO CR	LAKE MATHEWS (4)	METROPOLITAN WD	182.000	171.380	173.090	137.800	80
SAN JACINTO R	LAKE HEMET	LAKE HEMET WATER CO	13.400	6.260	8.560	6.510	104
	RAILROAD CANYON (3)	TEMESCAL WATER CO	14.700	6.310	9.570	7.150	113
SANTIAGO CR	SANTIAGO (3)	SERRANO AND CARPENTER ID AND IRVINE CO	25.000	13.150	9.220	9.800	74
	VILLA PARK	ORANGE COUNTY FCD	15.600	0.730(6)	0.140	0.020	2
SANTA MARGARITA-SAN LUIS REY RIVERS							
TEMECULA CR	VAIL	VAIL COMPANY	49.500	13.040	26.260	23.560	181
SAN LUIS REY R	HENSHAW	VISTA ID	194.300	15.760	11.000	5.960	38
SAN DIEGUITO-SAN DIEGO RIVERS							
SAN DIEGUITO R	LAKE HODGES (3)	CITY OF SAN DIEGO	33.600	5.580	1.310	0.560	10
SAN YSABEL CR	SUTHERLAND	CITY OF SAN DIEGO	29.700	4.610	3.180	3.200	69
SAN VICENTE CR	SAN VICENTE (3)	CITY OF SAN DIEGO	90.200	67.890	69.120	67.630	100
SAN DIEGO R	EL CAPITAN (3)	CITY OF SAN DIEGO	112.800	25.690	27.700	18.020	70
BOULDER CR	CUYAMACA	HELIX ID	11.800	1.840	1.240	0.730	40
QUAIL CANYON CR	LAKE JENNINGS (3)	HELIX ID	9.800	6.330(6)	8.290	8.000	125
CHAPPAREL CANYON	MURRAY (3)	CITY OF SAN DIEGO	5.700	3.790	4.480	4.360	115
SWEETWATER-OTAY RIVERS - COTTONWOOD CR							
SWEETWATER R	LAKE LOVELAND	CALIF WATER AND TEL C	25.400	5.720	15.710	14.920	261
	SWEETWATER MAIN (3)	CALIF WATER AND TEL C	27.700	3.030	2.850	3.880	128
OTAY R	LOWER OTAY (3)	CITY OF SAN DIEGO	56.500	8.930	15.130	11.080	124
COTTONWOOD CR	MORENA	CITY OF SAN DIEGO	50.200	1.920	3.840	3.130	162
	BARRETT	CITY OF SAN DIEGO	44.800	3.510	1.640	1.600	45
SOLEDAD VALLEY							
BIG SURR CR	MIRAMAR (3)	CITY OF SAN DIEGO	7.300	5.710	6.470	5.780	101
CENTRAL VALLEY AREA							
SACRAMENTO R	SHASTA	USBR	4500.000	4225.310	4493.300	4363.200	103
	WHISKEYTOWN	USBR	241.100	226.560(6)	233.100	233.700	102
FEATHER R	LAKE ALMANOR	PAC GAS AND ELEC CO	1035.500	791.190(6)	851.200	781.640	98
	BUTT VALLEY	PAC GAS AND ELEC CO	49.900	45.050	47.620	47.780	106
	BUCKS STORAGE	PAC GAS AND ELEC CO	101.700	68.140	54.010	66.530	98
	FRENCHMAN	DWR - STATE OF CALIF	55.400	51.690(6)	56.980	55.180	106
	LAKE DAVIS	DWR - STATE OF CALIF	84.400	79.350(6)	81.220	83.450	104
	LITTLE GRASS VALLEY	OROVILLE WYANDOTTE ID	93.000	81.280(6)	64.900	81.300	99
	SLY CREEK	OROVILLE WYANDOTTE ID	65.000	53.130	62.200	56.620	107
	LAKE OROVILLE	DWR - STATE OF CALIF	3538.000	2746.270(6)	3265.500	3424.000	124
YUBA R	BULLARDS BAR	YUBA CO WATER AGENCY	930.000	640.700(6)	757.460	757.380	117
	JACKSON MEADOWS	NEVADA ID	68.700	49.430(6)	55.490	29.680	59
	BOWMAN LAKE	NEVADA ID	69.800	45.780	27.300	56.230	123
	SPAULDING SYSTEM	PAC GAS AND ELEC CO	137.400	86.000	46.460	79.060	92
	SCOTT FLAT	NEVADA ID	48.500	41.490	48.330	48.400	117
BEAR R	ROLLINS	NEVADA ID	66.000	65.760(6)	65.990	65.990	99
	CAMP FAR WEST	SO SUTTER WATER DIST	104.400	101.520(6)	106.400	105.600	103
AMERICAN R	FRENCH MEADOWS	PLACER CO WATER AGENC	133.700	92.930(6)	74.290	91.520	97
	HELL HOLE	PLACER CO WATER AGENC	208.400	127.610(6)	97.020	125.830	98
	LOON LAKE	SACRAMENTO MUD	76.500	28.990(6)	36.000	44.460	152
	CAPLES LAKE	PAC GAS AND ELEC CO	21.600	10.020	9.190	4.300	43
	UNION VALLEY	SACRAMENTO MUD	271.000	185.870(6)	196.580	206.870	110
	ICE HOUSE	SACRAMENTO MUD	46.000	26.980	29.630	31.210	116
	FOLSOM	USBR	1010.300	718.360	818.900	865.100	120
STONY CR	EAST PARK	USBR	50.900	49.440	51.070	43.470	88
	STONY GORGE	USBR	50.000	46.480	43.730	41.280	89
	BLACK BUTTE	US CORPS OF ENGIN	160.000	111.870(6)	113.690	74.810	66
CACHE CR	CLEAR LAKE	CLEAR LAKE WATER CO	314.000	293.990	310.500	180.700	61
PUTAH CR	BERRYESSA	USBR	1602.300	1562.320	1604.400	1361.270	87
COSUMNES R	JENKINSON LAKE	USBR	41.000	40.100	41.240	40.790	102

TABLE 5 - STORAGE IN MAJOR RESERVOIRS (CONTINUED)

AREA AND DRAINAGE BASIN	RESERVOIR	OPERATOR	CAPACITY (1) 1000 AF	STORAGE AS OF MAY 1: 10-YR AVE 1962-1971 1000 AF	1971 1000 AF	1972 1000 AF	1972 PER-CENT AVE
CENTRAL VALLEY AREA (CONTINUED)							
MOKELUMNE R	LOWER BEAR	PAC GAS AND ELEC CO	48.500	26.780	13.810	27.190	102
	SALT SPRINGS	PAC GAS AND ELEC CO	140.900	66.810	35.890	55.670	83
	PARDEE	EAST BAY MUD	210.000	181.710	190.510	198.850	109
	CAMANCHE	EAST BAY MUD	431.500	269.780(6)	323.220	308.560	113
CALAVERAS R	NEW HOGAN	US CORPS OF ENGIN	325.000	198.690(6)	186.210	172.540	86
STANISLAUS R	RELIEF	PAC GAS AND ELEC CO	15.600	8.950	8.170	6.950	78
	DONNELLS	OAKDALE-SO SAN JOAQ I	64.700	33.730	6.850	8.950	27
	HARTLEY LAKE	OAKDALE-SO SAN JOAQ I	98.300	74.270	68.980	68.360	92
	STRAWBERRY	PAC GAS AND ELEC CO	18.300	15.050	10.820	15.060	100
	MELONES	PAC GAS AND ELEC CO	112.600	90.070	75.220	58.080	64
	TULLOCH	OAKDALE-SO SAN JOAQ I	68.200	51.440	54.770	51.300	100
TUOLUMNE R	HETCH HETCHY	CITY CO SAN FRANCISCO	360.400	148.950	119.430	90.700	61
	CHERRY LAKE	CITY CO SAN FRANCISCO	268.200	123.960	107.700	63.680	51
	LAKE ELEANOR	CITY CO SAN FRANCISCO	26.100	11.200	2.730	3.130	28
	DON PEDRO	TURLOCK AND MODESTO I	2030.000	541.920(5)	370.100	541.920	100
	TURLOCK LAKE	TURLOCK ID	49.000	35.810	26.490	21.080	59
	MODESTO	MODESTO ID	27.000	19.970	17.600	17.600	88
MERCED R	LAKE MCCLURE	MERCED ID	1026.000	625.320(6)	631.900	574.380	91
SAN JOAQUIN R	FLORENCE LAKE	SO CALIF EDISON CO	64.600	1.130	0.530	0.850	75
	THOMAS A EDISON	SO CALIF EDISON CO	125.200	33.940	44.820	53.040	156
	MAMMOTH POOL	SO CALIF EDISON CO	122.700	41.940	5.200	10.810	26
	HUNTINGTON LAKE	SO CALIF EDISON CO	89.800	36.680	36.220	50.300	137
	SHAVER LAKE	SO CALIF EDISON CO	135.400	43.410	58.080	56.120	129
	CRANE VALLEY	PAC GAS AND ELEC CO	45.400	36.030	33.070	32.380	90
	MILLERTON LAKE	USBR	520.600	362.210	409.900	337.600	93
KINGS R	COURTRIGHT	PAC GAS AND ELEC CO	129.900	45.090	16.100	61.810	137
	WISHON	PAC GAS AND ELEC CO	128.600	41.090	31.120	53.300	130
	PINE FLAT	US CORPS OF ENGIN	1013.400	666.940	720.700	488.810	73
KERN R	ISABELLA	US CORPS OF ENGIN	570.000	194.240	184.480	113.040	58
KAWEAH R	TERMINUS	US CORPS OF ENGIN	150.000	48.010(6)	44.470	36.640	75
TULE R	SUCCESS	US CORPS OF ENGIN	80.000	42.830(6)	35.090	24.710	57
LAHONTAN AREA							
TRUCKEE R	LAKE TAHOE(2,7)	TRUCKEE-CARSON ID	744.600	489.660	594.600	579.900	118
	BOCA (2)	WASHOE CO WCD	41.200	28.480	36.610	32.940	116
EAST WALKER R	BRIDGEPORT (2)	WALKER RIVER ID	42.500	32.220	33.550	37.000	115
MONO LAKE BASIN	SADDLEBAG LAKE	SO CALIF EDISON CO	11.100	1.990	1.520	3.810	191
	GEM LAKE	SO CALIF EDISON CO	17.600	2.080	2.740	6.180	297
	GRANT LAKE	CITY OF LOS ANGELES	47.500	30.190	22.720	21.420	71
OWENS R	SOUTH LAKE	SO CALIF EDISON CO	13.400	1.990	2.010	0.890	45
	LAKE CROWLEY	CITY OF LOS ANGELES	183.500	138.440	147.060	120.200	87
	TINEMAHA	CITY OF LOS ANGELES	16.600	2.070	6.040	0.830	40
	HAIWEE (SOUTH)	CITY OF LOS ANGELES	58.500	40.550	41.110	39.930	98
COLORADO DESERT AREA							
COLORADO R	LAKE POWELL (2,7)	USBR	25002.000	8553.430(6)	12511.000	13224.000	154
	LAKE MEAD (2,7)	USBR	26102.000	15987.000	16326.000	17015.000	106
	LAKE MOJAVE (2,7)	USBR	1810.000	1696.610	1706.200	1688.900	100
	LAKE HAVASU (2,7)	USBR	619.000	590.490	597.400	592.400	100

(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)	APRIL 1972 MEASURED FLOW 1000 AF	APRIL 1972 UNIMPAIRED RUNOFF 50-YEAR AVE (2) 1000 AF	APRIL 1972 UNIMPAIRED RUNOFF MONTHLY TOTAL 1000 AF	APRIL 1972 UNIMPAIRED RUNOFF PER-CENT AVE	OCTOBER 1, 1971 - APRIL 30, 1972 MEASURED FLOW 1000 AF	OCTOBER 1, 1971 - APRIL 30, 1972 UNIMPAIRED RUNOFF 50-YEAR AVE (2) 1000 AF	OCTOBER 1, 1971 - APRIL 30, 1972 UNIMPAIRED RUNOFF SEASONAL TOTAL 1000 AF	OCTOBER 1, 1971 - APRIL 30, 1972 UNIMPAIRED RUNOFF PER-CENT AVE
NORTH COASTAL AREA								
KLAMATH, COPCO TO ORLEANS (6)	762.100	626.670	568.200	91	7125.000	3250.440	5363.200	165
SALMON AT SOMESBAR	177.900	179.430	177.900	99	1572.600	866.890	1572.600	181
TRINITY AT LEWISTON	8.900	216.900	173.400	80	72.400	804.660	851.100	106
EEL AT SCOTIA	466.600	549.900	490.400	89	4108.000	5028.330	4235.700	84
RUSSIAN AT HEALDSBURG	40.700	73.890	31.600	43	350.600	774.560	291.500	38
SAN FRANCISCO BAY AREA								
NAPA NEAR ST HELENA	1.280	6.110	1.280	21	22.790	63.920	22.790	36
COYOTE CREEK NEAR MADRONE	4.880	5.780	0.400	7	14.700	43.550	3.910	9
CENTRAL COASTAL AREA								
ARROYO SECO NEAR SOLEDAD	1.410	15.390	1.410	9	25.100	100.620	25.100	25
NACIMIENTO BELOW NACIMIENTO DAM, NEAR BRADLEY	15.280	20.140	3.830	19	45.040	184.150	54.680	30
SOUTH COASTAL AREA								
SESPE CREEK NEAR FILLMORE	1.170(3)	10.100	1.170	12	27.240(3)	71.060	27.240	38
ARROYO SECO NEAR PASADENA	0.080	0.860	0.080	9	1.570	5.880	1.570	27
SANTA ANA NEAR MENTONE	1.770(4)	9.060	1.340	15	18.220(4)	41.440	22.850	55
SACRAMENTO VALLEY AREA								
INFLOW TO SHASTA (7)	700.600	718.620	700.600	97	3693.900	4020.100	3693.900	92
SACRAMENTO ABOVE BEND BRIDGE (8)	651.600	1005.800	872.200	87	4097.900	6033.870	4830.300	80
FEATHER, INFLOW TO OROVILLE	88.800(7)	720.490	525.900	73	1452.900(7)	2956.520	2371.400	80
YUBA AT SMARTVILLE (5)	41.200	381.750	268.900	70	669.200	1526.060	1174.300	77
AMERICAN, INFLOW TO FOLSOM	90.000(7)	456.500	327.700	72	1144.900(7)	1684.830	1246.700	74
COSUMNES AT MICHIGAN BAR	36.590	67.620	36.410	54	148.570	283.920	163.520	58
MOKELUMNE, INFLOW TO PARDEE	46.500	127.160	79.600	63	273.000	360.160	272.800	76
SAN JOAQUIN VALLEY AREA								
STANISLAUS, INFLOW TO MELONES	0.100	196.320	124.200	63	187.200	545.230	440.300	81
TUOLUMNE, INFLOW TO DON PEDRO	92.200	282.040	146.900	52	296.500	849.850	556.000	65
MERCED, INFLOW TO EXCHEQUER	62.200	148.530	79.700	54	277.600	447.060	270.700	61
SAN JOAQUIN, INFLOW TO MILLERTON	7.000(7)	236.510	123.700	52	25.100(7)	637.840	450.200	71
KINGS, INFLOW TO PINE FLAT	86.100	213.540	113.800	53	356.500	557.460	382.300	69
KAWEAH, INFLOW TO TERMINUS	26.890	64.160	26.680	42	98.770	186.510	98.180	53
TULE, INFLOW TO SUCCESS	4.030	24.300	3.800	16	32.290	96.940	31.390	32
KERN NEAR BAKERSFIELD	29.800	91.370	28.300	31	145.700	282.950	144.900	51
LAHONTAN AREA								
TRUCKEE, TAHOE TO FARAD (6)	50.000	76.270	44.000	58	267.200	186.210	156.800	84
WEST FORK CARSON AT WOODFORDS	9.570	11.450	9.570	84	28.880	26.600	28.880	109
EAST FORK CARSON NEAR GARDNERVILLE	21.600	34.630	21.600	62	83.810	88.440	83.810	95
WEST WALKER BELOW LITTLE WALKER, NEAR COLEVILLE	10.640	16.760	10.640	63	38.330	40.120	38.330	96
EAST WALKER NEAR BRIDGEPORT	11.390	9.350	6.090	65	24.020	42.590	41.320	97
OWENS BELOW LONG VALLEY DAM	33.630	11.620	9.420	81	137.670	74.620	77.870	104
COLORADO DESERT AREA								
COLORADO, INFLOW TO LAKE POWELL	801.700	1095.320	722.200	66	4729.500	3643.040	3875.600	106

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