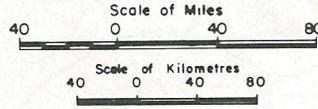




**NORTH  
COASTAL**

**FORECASTS OF  
APRIL-JULY  
UNIMPAIRED SNOWMELT RUNOFF  
FEBRUARY 1, 1985**



LEGEND

100% Runoff Forecast In Percent of Normal



\* Forecast by Department of Water & Power, City of Los Angeles

# SUMMARY OF WATER CONDITIONS

## FEBRUARY 1, 1985

CALIFORNIA EXPERIENCED ITS SECOND CONSECUTIVE EXCEPTIONALLY DRY JANUARY. JANUARY 1985 DIFFERED FROM JANUARY 1984 IN THAT RUNOFF THIS YEAR IS BELOW NORMAL THROUGHOUT ALL REGIONS SAVE THE LAHONTAN. THE IMPACT OF LAST SPRING'S AND THIS EARLY WINTER'S SPARSE PRECIPITATION IS BEGINNING TO BE FELT THROUGHOUT MOST OF THE STATE.

FORECASTS REFLECT THE GENERALLY DRY CONDITIONS. APRIL-JULY RUNOFF IS EXPECTED TO RANGE FROM 75 PERCENT OF NORMAL FOR THE SACRAMENTO VALLEY AND LAHONTAN AREA TO ABOUT 95 PERCENT OF NORMAL ON THE NORTH COAST. RUNOFF FOR THE ENTIRE WATER YEAR SHOULD HAVE ABOUT THE SAME PERCENTAGES OF NORMAL.

SNOW SURVEYS FOR FEBRUARY 1 SHOW THAT SNOW STORED WATER VARIES FROM ABOUT 86 PERCENT OF NORMAL IN THE SACRAMENTO VALLEY TO 108 ON THE NORTH COAST. ON A STATEWIDE BASIS, THE SNOWPACK IS HOLDING ABOUT 95 PERCENT OF AVERAGE FOR THIS DATE.

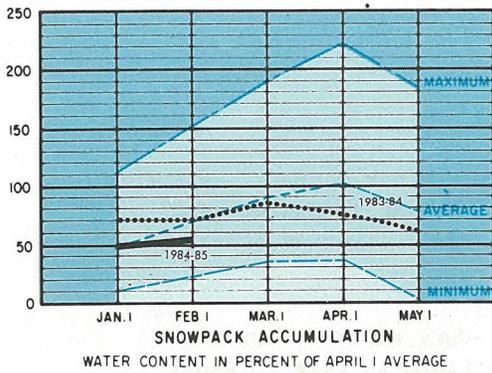
PRECIPITATION DURING JANUARY WAS SPARSE. ONLY TWO STORM PERIODS WERE EXPERIENCED. NEITHER CONTRIBUTED SIGNIFICANTLY TO THE WATER SUPPLY. SEVERAL STATIONS REPORTED HAVING THE DRIEST JANUARY OF RECORD. YREKA RECEIVED ONLY 5 PERCENT OF NORMAL JANUARY PRECIPITATION. SEASONAL PRECIPITATION AT THIS STATION, HOWEVER, IS 100 PERCENT OF AVERAGE. SOUTHERN CALIFORNIA HAD A RELATIVELY LESS DRY MONTH. LOS ANGELES RECEIVED 28 PERCENT OF THEIR JANUARY NORMAL. SEASONAL PRECIPITATION AT THIS STATION IS JUST SLIGHTLY OVER AVERAGE - 102 PERCENT.

RUNOFF DURING JANUARY WAS ONLY 33 PERCENT FOR CENTRAL VALLEY STREAMS. THE SAN FRANCISCO BAY AREA HAD THE LOWEST RUNOFF FIGURES WHERE RUNOFF WAS 7 PERCENT OF THE JANUARY AVERAGE. THE LAHONTAN REGION WAS THE ONLY AREA OF THE STATE WITH ABOVE AVERAGE (111 PERCENT) MONTHLY FLOWS. THE STATE AS A WHOLE HAD 27 PERCENT OF NORMAL JANUARY RUNOFF. RUNOFF FOR THE WATER YEAR TO DATE PRESENTS A MORE OPTIMISTIC PICTURE. THE STATE AS A WHOLE HAS HAD 85 PERCENT OF ITS NORMAL SEASONAL RUNOFF.

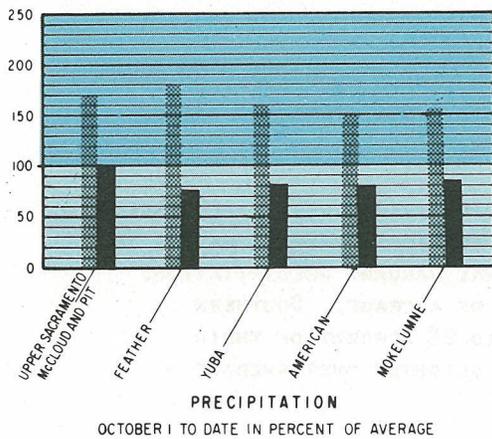
RESERVOIR STORAGE IS LESS THAN IT WAS ONE YEAR AGO IN ALL AREAS OF THE STATE WITH THE EXCEPTION OF THE LAHONTAN REGION WHICH IS UP SLIGHTLY. STORAGE VARIES FROM ABOUT 125 PERCENT OF AVERAGE FOR SAN JOAQUIN STREAMS TO 85 PERCENT FOR CENTRAL COASTAL RESERVOIRS. ON A STATEWIDE BASIS, WE ARE STORING ABOUT 110 PERCENT OF AVERAGE. A YEAR AGO THIS FIGURE WAS ABOUT 120 PERCENT.

SUMMARY OF WATER CONDITIONS IN PERCENT OF AVERAGE						
HYDROGRAPHIC	PRECIPITATION OCTOBER 1 TO DATE	SNOW WATER CONTENT	RESERVOIR STORAGE	RUNOFF		
				OCTOBER 1 TO DATE	APR-JULY FORECAST	WATER YEAR FORECAST
NORTH COASTAL	95	110	100	95	95	100
SAN FRANCISCO BAY	105	--	85	30	--	70
CENTRAL COASTAL	100	--	85	45	--	80
SOUTH COASTAL	115	--	105	65	--	90
SACRAMENTO VALLEY	85	85	100	75	75	75
SAN JOAQUIN VALLEY	90	95	125	80	80	75
LAHONTAN	140	90	115	150	75	85
COLORADO DESERT	230	--	--	170	--	--
STATEWIDE	100	95	110	85	85	85

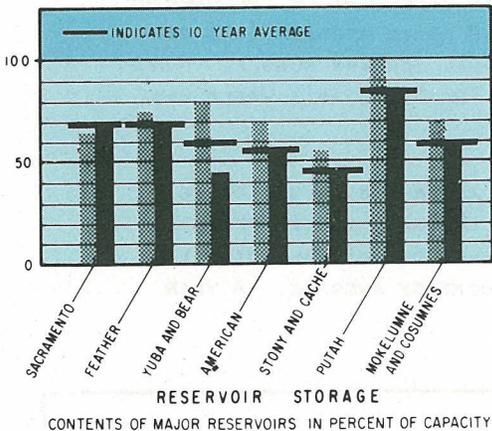
## SACRAMENTO RIVER BASIN



**SNOWPACK** - MEASUREMENTS OF THE SNOWPACK OBTAINED AT 85 SNOW COURSES AND 14 SENSORS ON OR ABOUT FEBRUARY 1 SHOW A BASIN WIDE AVERAGE WATER EQUIVALENT OF 17.9 INCHES. THIS IS 86 PERCENT OF THE FEBRUARY 1 AVERAGE AND 56 PERCENT OF THE APRIL 1 (SEASONAL) AVERAGE. ONE YEAR AGO THE SNOWPACK CONTAINED 22.4 INCHES OF WATER OR 67 PERCENT OF THE APRIL 1 AVERAGE.

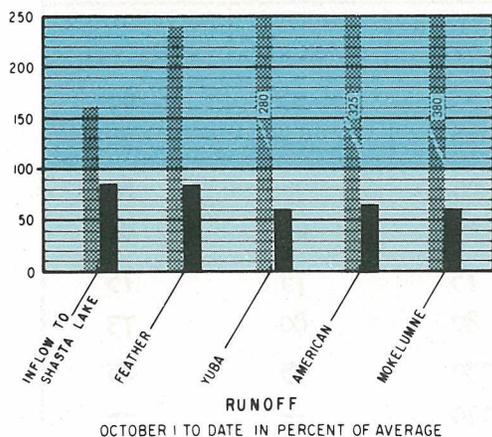


**PRECIPITATION** - OCTOBER THROUGH JANUARY PRECIPITATION OVER THE SACRAMENTO VALLEY AVERAGED 85 PERCENT OF NORMAL. EXCEPT FOR THE UPPER SACRAMENTO, PIT AND McCLOUD, ALL SUB-DRAINAGES FURTHER SOUTH, INCLUDING THE VALLEY FLOOR, WERE WELL BELOW NORMAL. SEASONAL CATCHES WERE GENERALLY ONLY HALF OF THE AMOUNTS FOR THE SAME PERIOD A YEAR AGO. HOWEVER, A WET OCTOBER AND NOVEMBER GOT THE GAGES FILLING WITH A WETTEST OF RECORD NOVEMBER AT HARRISON GULCH REPORTING 18.29 INCHES OR 373 PERCENT OF NORMAL. DUNSMUIR'S TWO-INCH-CAPACITY MEASURING TUBE WAS FILLED A DOZEN TIMES FOR THE SECOND WETTEST NOVEMBER SINCE 1889 WITH 23.84 INCHES OR 317 PERCENT. ON THE VALLEY FLOOR, WOODLAND EXPERIENCED THEIR THIRD WETTEST NOVEMBER SINCE 1873 WITH 6.83 INCHES OR 361 PERCENT. THE WEATHER CHANGED TO A DRIER REGIME IN DECEMBER, ABOUT 35 PERCENT.



JANUARY PRECIPITATION AVERAGED A MEAGER 20 PERCENT. SEVERAL THIRD DRIEST RECORDS OF JANUARY WERE REPORTED AT: McCLOUD, 0.39 INCH OR 4 PERCENT; PIT P. H. No. 5, 1.10 INCHES OR 8 PERCENT; AND GRASS VALLEY, 0.92 INCH OR 9 PERCENT. THE GRASS VALLEY RECORD BEGAN IN 1872.

**RESERVOIR STORAGE** - FEBRUARY 1 STORAGE IN 47 MAJOR SACRAMENTO VALLEY RESERVOIRS WAS ABOUT 11.2 MILLION ACRE-Feet OR ABOUT 98 PERCENT OF AVERAGE STORAGE. ABOUT 66 PERCENT OF THE AVAILABLE CAPACITY WAS BEING USED. STORAGE IN THESE RESERVOIRS ONE YEAR AGO WAS ABOUT 13 MILLION ACRE-Feet OR ABOUT 116 PERCENT OF AVERAGE STORAGE.

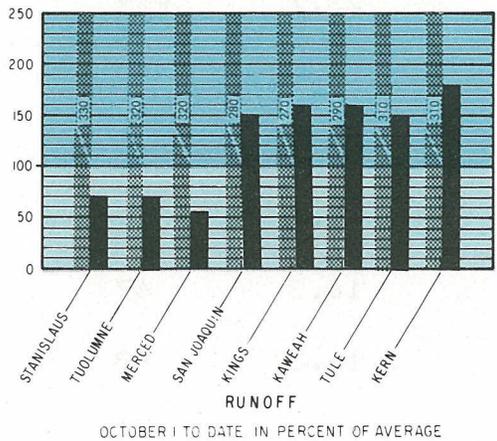
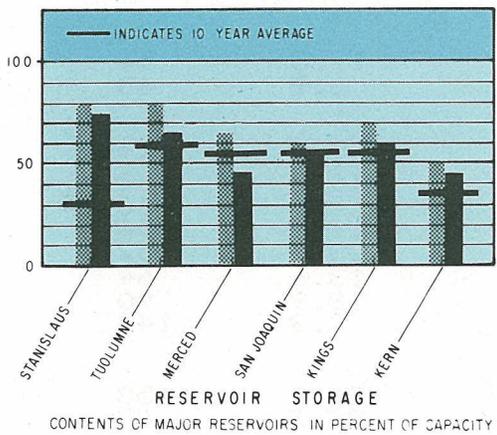
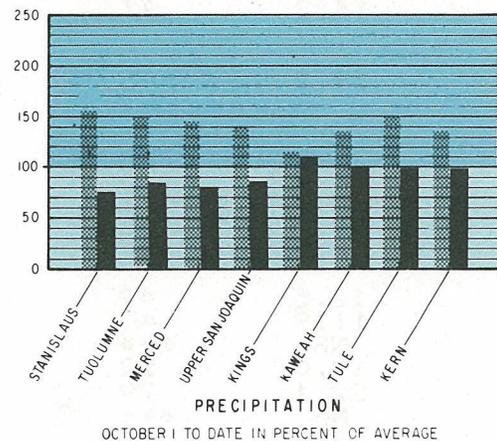
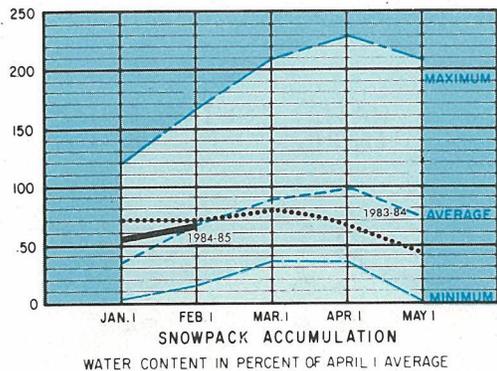


**RUNOFF** - JANUARY RUNOFF FROM TRIBUTARIES TO THE SACRAMENTO VALLEY AMOUNTED TO 745 THOUSAND ACRE-Feet, WHICH IS 30 PERCENT OF AVERAGE JANUARY FLOWS. FOR THE PERIOD OCTOBER THROUGH JANUARY, FLOWS HAVE TOTALED 4.1 MILLION ACRE-Feet WHICH IS 75 PERCENT OF AVERAGE. LAST YEAR RUN-OFF FOR THIS SAME PERIOD WAS 12.4 MILLION ACRE-Feet FOR 225 PERCENT OF AVERAGE.

THE SACRAMENTO VALLEY FOUR BASIN INDEX FOR THIS WATER YEAR IS FORECAST AT 14.0 MILLION ACRE-Feet ASSUMING MEDIAN CONDITIONS FOR THE REMAINDER OF THE YEAR. THIS CLASSIFIES THE YEAR AS BELOW NORMAL IN THE SACRAMENTO-SAN JOAQUIN DELTA ACCORDING TO THE STATE WATER RESOURCES CONTROL BOARD DECISION 1485.

FEBRUARY 1, 1984 (hatched bar)      FEBRUARY 1, 1985 (solid black bar)

# SAN JOAQUIN RIVER AND TULARE LAKE BASINS



**SNOWPACK** - MEASUREMENTS OF THE SNOWPACK OBTAINED AT 76 SNOW COURSES, 16 SENSORS, AND 12 AERIAL MARKERS ON OR ABOUT FEBRUARY 1 SHOW A BASIN WIDE AVERAGE WATER EQUIVALENT OF 15.9 INCHES. THIS IS 100 PERCENT OF THE FEBRUARY 1 AVERAGE AND 65 PERCENT OF THE APRIL 1 (SEASONAL) AVERAGE. ONE YEAR AGO THE SNOWPACK CONTAINED 18.7 INCHES OF WATER OR 68 PERCENT OF THE APRIL 1 AVERAGE.

**PRECIPITATION** - PRECIPITATION FOR THE SEASON FROM OCTOBER THROUGH JANUARY AVERAGED 90 PERCENT OF NORMAL. EXCEPT FOR THE KAWEAH, ALL SUBDRAINAGES ARE SLIGHTLY BELOW AVERAGE. VALUES ARE ONE-FOURTH TO ONE-HALF LESS THAN THOSE EXPERIENCED A YEAR AGO. NEAR AVERAGE ACCUMULATIONS ARE FROM A WET NOVEMBER (230 PERCENT). KERN P. H. No. 3 REPORTED THEIR THIRD WETTEST NOVEMBER OF RECORD WITH 3.54 INCHES OR 347 PERCENT. SOUTH BELRIDGE, ON THE VALLEY FLOOR, EXPERIENCED THEIR WETTEST DECEMBER OF RECORD WITH 2.86 INCHES OR 349 PERCENT. EXAMPLES OF SEASONAL TOTALS ARE: CALAVERAS BIG TREES, IN THE STANISLAUS, 22.24 INCHES OR 78 PERCENT; HUNTINGTON LAKE, 18.20 INCHES OR 104 PERCENT; AND KERN RIVER INTAKE No. 3, 9.41 INCHES OR 96 PERCENT OF NORMAL.

**LIGHT JANUARY PRECIPITATION** AVERAGED ONLY 30 PERCENT. AMOUNTS VARIED FROM 0.43 INCH OR 21 PERCENT AT FRESNO TO 3.82 INCHES OR 44 PERCENT AT LODGEPOLE.

**RESERVOIR STORAGE** - FEBRUARY 1 STORAGE IN 31 MAJOR SAN JOAQUIN VALLEY RESERVOIRS WAS 7.8 MILLION ACRE-FEET, WHICH IS 125 PERCENT OF THE AVERAGE FOR THIS DATE. SEVENTY-FOUR PERCENT OF AVAILABLE CAPACITY IS IN USE. ONE YEAR AGO THESE RESERVOIRS WERE STORING 8.9 MILLION ACRE-FEET, WHICH WAS 148 PERCENT OF THE FEBRUARY 1 AVERAGE.

**RUNOFF** - DURING JANUARY, RUNOFF OF THE TRIBUTARIES TO THE SAN JOAQUIN VALLEY WAS 237 THOUSAND ACRE-FEET, WHICH IS 48 PERCENT OF THE MONTHLY AVERAGE. DURING THE PERIOD OCTOBER THROUGH JANUARY, 937 THOUSAND ACRE-FEET FLOWED IN THESE STREAMS. THIS WAS 82 PERCENT OF THE AVERAGE FLOW FOR THIS PERIOD. LAST YEAR RUNOFF FOR THIS PERIOD WAS 2.4 MILLION ACRE-FEET OR 311 PERCENT OF NORMAL. JANUARY RUNOFF FOR THE TULARE LAKE BASIN WAS 109 THOUSAND ACRE-FEET OR 76 PERCENT OF THE MONTHLY AVERAGE. FLOWS FOR THE WATER YEAR TO DATE, OCTOBER THROUGH JANUARY, HAVE TOTALED 383 THOUSAND ACRE-FEET WHICH IS 107 PERCENT OF NORMAL.

FEBRUARY 1, 1984 (hatched) FEBRUARY 1, 1985 (solid)

BASIN, SENSOR, AND AGENCY		ELEV FEET	APR 1 AVG INCHES	WATER EQUIVALENT INCHES	PERCENT
TRINITY RIVER					
PETERSON FLAT	DWR	6700	****	24.5	***
BONANZA KING	USBR	6450	****	22.1	***
HIGHLAND LAKES	DWR	6000	34.0	22.6	66
MUMBO BASIN	DWR	5700	25.8	19.7	76
BIG FLAT	DWR	5100	15.8	14.9	94
UPPER SACRAMENTO RIVER					
SAND FLAT	USBR	6750	42.4	24.4	58
SLATE CREEK	USBR	5600	30.0	14.2	47
MCCLLOUD RIVER					
STOUTS MEADOW	DWR	5250	42.5	19.2	45
PIT RIVER					
CEDAR PASS	SCS	7100	16.3	13.8	85
MEDICINE LAKE	DWR	6700	32.7	18.8	57
ADIN MOUNTAIN	SCS	6350	13.6	9.7	71
SNOW MOUNTAIN	USBR	5950	27.0	19.5	72
FEATHER RIVER					
KETTLEROCK	DWR	7300	25.5	12.5	49
GRIZZLY	DWR	6900	29.7	11.9	40
PILOT PEAK	OWID	6800	52.6	NR	***
GOLD LAKE	DWR	6750	36.5	19.0	52
HUMBUG	DWR	6500	28.0	22.1	79
HARKNESS FLAT	PGE	6200	26.2	NR	***
RATTLESNAKE	DWR	6100	14.0	12.7	91
BUCKS LAKE	DWR	5750	44.7	36.6	82
FOUR TREES	DWR	5150	20.0	18.0	90
YUBA RIVER					
CENT SIERRA SNOW LAB	USFS	6900	33.6	17.3	51
BLUE CANYON	NWS	5300	9.0	3.9	43
AMERICAN RIVER					
SCHNEIDERS	SMUD	8750	34.5	21.6	63
CAPLES LAKE	EBMUD	7800	27.1	16.7	62
ALPHA	SMUD	7600	35.9	20.9	58
VAN VLECK	SMUD	6700	35.9	19.5	54
HUYSINK	NWS	6600	40.0	20.7	52
ROBBS SADDLE	SMUD	5900	21.4	13.6	64
GREEK STORE	NWS	5600	21.0	18.9	90
ROBBS POWERHOUSE	SMUD	5150	5.2	7.3	140
MOKELUMNE RIVER					
BLUE LAKES	SCS	8000	34.6	20.2	58
MUD LAKE	SMUD	7900	44.9	27.7	62
STANISLAUS RIVER					
GIANELLI MEADOW	USBR	8350	****	23.7	***
LOWER RELIEF VALLEY	DWR	8100	41.2	24.5	59
BLOODS CREEK	USBR	7200	37.8	17.6	47
BLACK SPRINGS	USBR	6500	27.1	17.2	63
TUOLUMNE RIVER					
DANA MEADOWS	DWR	9800	27.7	20.2	73
SLIDE CANYON	DWR	9200	****	26.4	***
TUOLUMNE MEADOWS	DWR	8600	22.6	12.4	55
HORSE MEADOW	DWR	8400	48.6	20.3	42
DODGE RIDGE	USBR	8150	40.8	21.5	53
PARADISE	DWR	7650	41.3	25.8	62
LOWER KIBBIE	DWR	6600	27.4	18.3	67
MERCED RIVER					
GIN FLAT	DWR	7050	34.2	16.3	48
SAN JOAQUIN RIVER					
KAISER POINT	USBR	9100	31.4	16.8	54
GREEN MOUNTAIN	USBR	7900	30.8	13.5	44
TAMARACK SUMMIT	USBR	7600	26.0	11.4	44
GRAVEYARD MEADOW	USBR	6900	23.8	11.8	50
POISON RIDGE	USBR	6900	28.9	15.4	53

BASIN, SENSOR, AND AGENCY	ELEV FEET	APR 1 AVG INCHES	WATER EQUIVALENT INCHES	PERCENT
KINGS RIVER				
CHARLOTTE LAKE	DWR 10400	****	24.4	***
STATE LAKES	USCE 10300	29.0	17.2	59
MITCHELL MEADOW	USCE 9900	32.9	18.8	57
WEST WOODCHUCK MEADOW	USCE 8800	32.8	NR	***
BIG MEADOWS	DWR 7600	25.9	9.8	38
KAWEAH RIVER				
GIANT FOREST	USCE 6650	10.0	10.1	101
TULE RIVER				
QUAKING ASPEN	DWR 7200	21.0	17.5	83
KERN RIVER				
UPPER TYNDALL CREEK	USCE 11450	27.7	25.2	91
CRABTREE	DWR 10700	19.8	13.4	68
PASCOE	USCE 9150	24.9	17.8	71
TUNNEL	DWR 8950	****	12.1	***
WET MEADOW	USCE 8950	30.3	NR	***
BEACH MEADOW	DWR 7650	11.0	9.5	86
SURPRISE VALLEY AREA				
DISMAL SWAMP	SCS 7050	25.0	21.1	84
TRUCKEE RIVER				
MOUNT ROSE	SCS 9000	35.9	14.4	40
MOUNT ROSE SKI AREA	SCS 8850	38.5	20.3	53
INDEPENDENCE LAKE	SCS 8450	41.3	19.5	47
BIG MEADOWS	SCS 8300	25.7	10.9	42
SQUAW VALLEY G.C.	SCS 7800	46.5	19.7	42
INDEPENDENCE CAMP	SCS 7000	21.8	9.0	41
INDEPENDENCE CREEK	SCS 6500	12.7	7.8	61
TRUCKEE NO. 2	SCS 6350	14.3	5.2	36
LAKE TAHOE BASIN				
HEAVENLY VALLEY	SCS 8800	28.1	12.9	46
HAGANS MEADOW	SCS 8000	16.5	8.5	52
MARLETTE LAKE	SCS 8000	21.0	12.4	59
ECHO PEAK	SCS 7800	39.5	16.5	42
RUBICON NO. 2	SCS 7500	29.1	12.2	42
TAHOE CITY CROSS	SCS 6750	16.0	8.4	52
WARD CREEK NO. 3	SCS 6750	39.5	15.8	40
FALLEN LEAF LAKE	SCS 6300	7.0	NR	***
CARSON RIVER				
EBBETTS PASS	SCS 8700	36.9	18.3	50
WET MEADOWS LAKE	SCS 8050	33.5	22.2	66
POISON FLAT	SCS 7900	16.2	1.8	11
SPRATT CREEK	SCS 6150	4.5	5.2	116
WALKER RIVER				
VIRGINIA LAKES RIDGE	SCS 9200	16.9	9.5	56
LOBDELL LAKE	SCS 9200	16.4	7.9	48
SONORA PASS BRIDGE	SCS 8750	26.0	14.7	57
LEAVITT MEADOWS	SCS 7200	6.7	5.9	88
OWENS RIVER				
GEM PASS	LADWP 10750	31.7	21.4	68
COTTONWOOD LAKES	LADWP 10200	11.6	12.7	109
SOUTH LAKE	LADWP 9600	16.0	9.4	59
MAMMOTH PASS	USBR 9500	42.4	22.8	54
ROCK CREEK	LADWP 8200	****	10.5	***

NORDEN SNOW DEPTH = 60" ( 4" NEW)  
 BLUE CANYON SNOW DEPTH = 20" ( 0" NEW)

FOOTNOTES: NR NO REPORT  
 \*\* NOT AVAILABLE  
 APR 1 AVG -- AVERAGE WATER EQUIVALENT ON APRIL 1  
 % OF AVG -- CURRENT MEASUREMENT COMPARED TO APRIL 1 AVERAGE

# FORECASTS OF APRIL - JULY AND FOR CENTRAL V AS FEBRUAR

DRAINAGE BASIN AND WATERSHED	April through July Unimpaired Runoff in 1,000 Acre-feet (5)					
	HISTORICAL			FORECASTS		
	50-Year Average (1)	Maximum of Record	Minimum of Record	April-July Forecast	Percent of Average	80% Prob. Range
<b>SACRAMENTO RIVER BASIN</b>						
Upper Sacramento River						
Sacramento River unimpaired flow at Shasta Lake	292	850	63	260	89	--
McCloud River unimpaired flow at Shasta Lake	418	850	185	380	91	--
Pit River unimpaired flow at Shasta Lake	1,045	1,796	480	980	94	--
Total unimpaired flow at Shasta Lake	1,811	3,189	726	1,600	88	1,200 to 2,500
Sacramento River above Bend Bridge, near Red Bluff	2,469	4,674	943	2,300	93	1,700 to 3,700
<b>Feather River</b>						
Unimpaired flow at Lake Almanor near Pratville	333	675	120	280	84	--
North Fork at Pulga	1,044	2,416	243	810	78	--
Middle Fork near Clito (3)	83	518	4	50	60	--
South Fork at Ponderosa Dam	113	267	13	90	80	--
Total unimpaired flow at Oroville Reservoir	1,894	4,676	392	1,500	79	900 to 2,600
<b>Yuba River</b>						
North Yuba below Goodyears Bar	290	647	51	220	76	--
Combined unimpaired flow at Jackson Mdws and Bowman Reservoirs	112	236	25	85	76	--
South Yuba at Langs Crossings	229	481	57	180	79	--
Yuba River at Smartville	1,069	2,424	200	820	77	470 to 1,400
<b>American River</b>						
North Fork at North Fork Dam	268	716	43	190	71	--
Middle Fork near Auburn	536	1,406	100	400	75	--
Silver Creek below Camino Diversion Dam	178	383	37	125	70	--
Total unimpaired flow at Folsom Reservoir	1,312	3,074	229	970	74	470 to 1,700
<i>Sacramento River at Sacramento</i>						
<b>Cosumnes River</b>						
Cosumnes River at Michigan Bar	132	363	8	80	61	30 to 160
<b>Mokelumne River</b>						
North Fork near West Point (4)	417	829	104	310	74	--
Total unimpaired flow at Pardee Reservoir	469	1,065	102	360	77	220 to 600
<b>SAN JOAQUIN RIVER BASIN</b>						
<b>Stanislaus River</b>						
Middle Fork below Beardsley Dam	344	702	64	260	76	--
Total unimpaired flow at Melones Reservoir	725	1,710	116	550	76	330 to 900
<b>Tuolumne River</b>						
Cherry Creek and Eleanor Creek near Hetch Hetchy	316	727	97	250	79	--
Tuolumne River near Hetch Hetchy	605	1,392	153	500	83	--
Total unimpaired flow at Don Pedro Reservoir	1,206	2,682	301	980	81	630 to 1,500
<b>Merced River</b>						
Merced River at Pohono Bridge	363	888	80	290	80	--
Total unimpaired flow at Exchequer Reservoir	620	1,587	123	470	76	280 to 770
<b>San Joaquin River</b>						
San Joaquin River at Mammoth Pool	988	2,279	235	800	81	--
Big Creek below Huntington Lake (2)	105	300	19	75	71	--
South Fork near Florence Lake	202	511	58	160	79	--
Total unimpaired flow at Millerton Lake	1,232	3,355	262	1,000	81	510 to 1,700
<i>San Joaquin River near Vernalis</i>						
<b>TULARE LAKE BASIN</b>						
<b>Kings River</b>						
North Fork near Cliff Camp	237	565	50	190	80	--
Total unimpaired flow at Pine Flat Reservoir	1,203	3,114	273	1,000	83	560 to 1,530
<b>Kaweah River</b>						
Total unimpaired flow at Terminus Reservoir	284	814	61	230	81	120 to 350
<b>Tule River</b>						
Total unimpaired flow at Success Reservoir	63	256	2	42	67	15 to 80
<b>Kern River</b>						
Kern River near Kernville	375	1,203	83	290	77	--
Total unimpaired flow at Isabella Reservoir	452	1,657	84	340	75	160 to 650

(1) All 50 year averages are based on data for water years 1931-1980 except:  
(2) 50 year average based on years 1930-1979  
(3) 50 year average based on years 1929-1978

(4) 43 year average based on years 1929-1971  
(5) See inside back cover for definition of unimpaired runoff and 80 percent probability ranges.

# WATER YEAR UNIMPAIRED RUNOFF VALLEY STREAMS OF

1, 1985

Water Year Unimpaired Runoff...October through September ... in 1,000 Acre-Feet (5)												
HISTORICAL			*	DISTRIBUTION							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
Values in parentheses indicate the 80 percent probability range for water year forecasts												
817	2,353	165	--	--	--	--	--	--	--	--	--	--
1,240	2,353	577	--	--	--	--	--	--	--	--	--	--
3,056	5,150	1,484	--	--	--	--	--	--	--	--	--	--
5,756	10,796	2,479	1,620	580	690	610	470	290	230	410	4,900 (4,000 to 6,750)	85
8,317	17,180	3,294	2,420	900	980	910	670	410	310	500	7,100 (5,600 to 10,000)	85
759	1,269	366	--	--	--	--	--	--	--	--	--	--
2,346	4,400	666	--	--	--	--	--	--	--	--	--	--
206	637	24	--	--	--	--	--	--	--	--	--	--
282	562	31	--	--	--	--	--	--	--	--	--	--
4,430	9,492	994	825	365	450	610	520	260	110	190	3,330 (2,330 to 5,170)	75
543	1,056	102	--	--	--	--	--	--	--	--	--	--
173	292	30	--	--	--	--	--	--	--	--	--	--
348	565	98	--	--	--	--	--	--	--	--	--	--
2,297	4,926	369	380 e	190	265	320	330	140	30	35	1,690 (1,100 to 2,620)	74
585	1,234	66	--	--	--	--	--	--	--	--	--	--
1,018	2,575	144	--	--	--	--	--	--	--	--	--	--
303	537	59	--	--	--	--	--	--	--	--	--	--
2,620	6,381	349	400	210	310	370	400	170	30	30	1,920 (1,150 to 3,000)	73
												77
363	997	20	50	34	45	40	27	10	3	1	210 (110 to 380)	58
589	1,009	124	--	--	--	--	--	--	--	--	--	--
721	1,800	129	65	40	60	120	160	70	10	5	530 (350 to 840)	74
469	855	88	--	--	--	--	--	--	--	--	--	--
1,116	2,952	155	120 e	50	100	180	220	120	30	10	830 (550 to 1,280)	74
449	1,147	123	--	--	--	--	--	--	--	--	--	--
756	1,661	258	--	--	--	--	--	--	--	--	--	--
1,835	4,430	383	200	100	150	260	390	260	70	20	1,450 (1,000 to 2,110)	79
447	1,020	92	--	--	--	--	--	--	--	--	--	--
952	2,788	150	80 e	50	75	130	190	120	30	5	680 (440 to 1,060)	71
1,298	2,964	308	--	--	--	--	--	--	--	--	--	--
122	339	22	--	--	--	--	--	--	--	--	--	--
265	653	71	--	--	--	--	--	--	--	--	--	--
1,742	4,642	362	160	65	115	220	390	290	100	40	1,380 (800 to 2,220)	79
												76
274	607	58	--	--	--	--	--	--	--	--	--	--
1,631	4,294	383	160	55	95	200	380	330	90	40	1,350 (830 to 1,980)	83
431	1,402	92	55	25	35	55	90	70	15	5	350 (210 to 500)	81
142	615	16	30	18	20	20	15	5	2	0	110 (60 to 180)	77
553	1,577	163	--	--	--	--	--	--	--	--	--	--
680	2,309	175	130	35	50	70	120	100	50	35	590 (350 to 960)	87

\* Unimpaired runoff to date . e Estimated.  
Monthly distributions of runoff forecasts are estimated based on comparisons with previous historic water years.

## NORTH COASTAL AREA

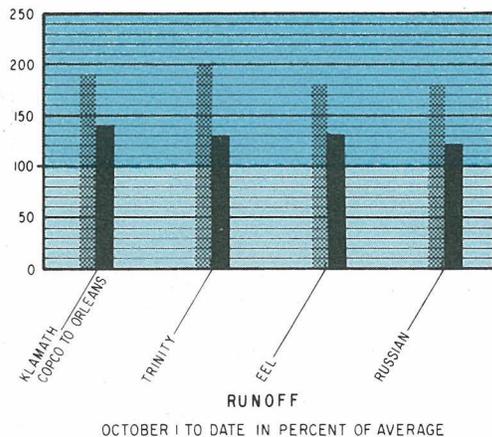
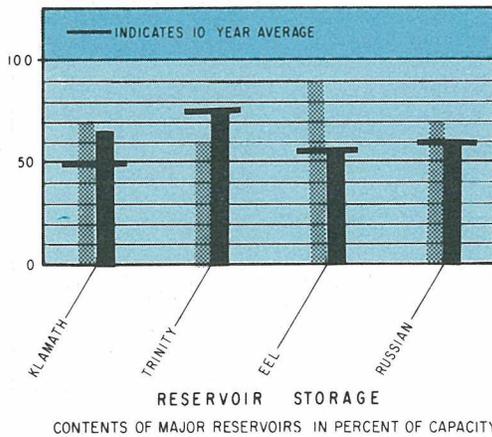
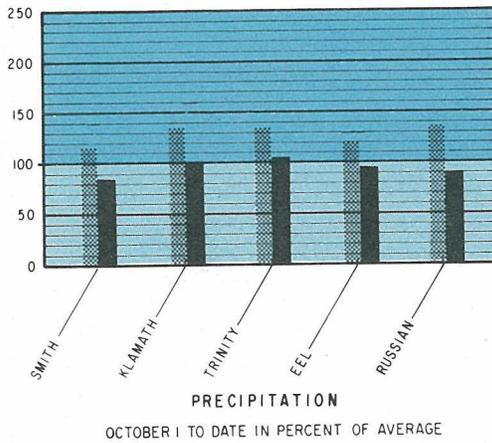
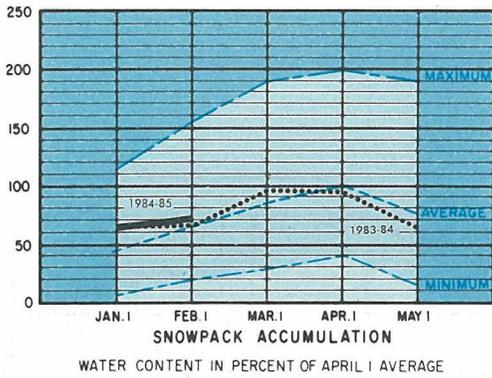
**SNOWPACK** - MEASUREMENTS OF THE SNOWPACK OBTAINED AT 8 SNOW COURSES AND 2 SENSORS ON OR ABOUT FEBRUARY 1 SHOW A BASIN WIDE AVERAGE WATER EQUIVALENT OF 18.5 INCHES. THIS IS 108 PERCENT OF THE FEBRUARY 1 AVERAGE AND 70 PERCENT OF THE APRIL 1 (SEASONAL) AVERAGE. ONE YEAR AGO THE SNOWPACK CONTAINED 19.4 INCHES OF WATER OR 73 PERCENT OF THE APRIL 1 AVERAGE.

THE OREGON COOPERATIVE SNOW SURVEYS, THROUGH THE U. S. SOIL CONSERVATION SERVICE IN PORTLAND, OREGON, REPORTS THAT THE SNOWPACK WATER EQUIVALENT IN THE UPPER KLAMATH RIVER BASIN WAS 108 PERCENT OF NORMAL ON FEBRUARY 1. THIS COMPARES TO 119 PERCENT AT THIS TIME LAST YEAR.

**PRECIPITATION** - PRECIPITATION IN THIS AREA FOR THE FOUR MONTHS SINCE OCTOBER 1 AVERAGED 95 PERCENT OF NORMAL. IT VARIED FROM 30.95 INCHES OR 80 PERCENT AT CRESCENT 1N TO 34.92 INCHES OR 112 PERCENT AT COFFEE CREEK R. S. SUB-DRAINAGE VALUES ARE GENERALLY ONE-FOURTH LESS THAN THOSE EXPERIENCED A YEAR AGO. HOWEVER, THE WETTEST SPOT IN THE STATE IS HONEYDEW 1SW, REPORTING 51.73 INCHES OR 82 PERCENT OF AVERAGE. ITS HEAVIEST MONTH SO FAR FOR THE ACCUMULATED AMOUNT WAS NOVEMBER WITH 39.52 INCHES OR 276 PERCENT. JANUARY PRECIPITATION AVERAGED A SCANT 10 PERCENT OF NORMAL OVER THE AREA. EXTREMES VARIED FROM 0.01 INCH OR 1 PERCENT AT MT. HEBRON TO 2.12 INCHES OR 29 PERCENT AT BIG BEAR R. S. DRIEST JANUARY OF RECORD WAS ESTABLISHED AT SEVERAL STATIONS: YREKA WITH 0.16 INCH OR 5 PERCENT; FORT ROSS, 0.09 INCH OR 1 PERCENT; COVELO, 0.44 INCH OR 5 PERCENT (OLD RECORD BEGAN 1881).

**RESERVOIR STORAGE** - STORAGE ON FEBRUARY 1 IN SIX MAJOR NORTH COASTAL AREA RESERVOIRS WAS ABOUT 2.0 MILLION ACRE-Feet, WHICH IS 100 PERCENT OF THE AVERAGE STORAGE FOR THAT DATE AND 74 PERCENT OF CAPACITY. ONE YEAR AGO STORAGE IN THESE RESERVOIRS WAS REPORTED TO BE 2.2 MILLION ACRE-Feet, WHICH WAS 113 PERCENT OF FEBRUARY 1 AND ABOUT 79 PERCENT OF CAPACITY.

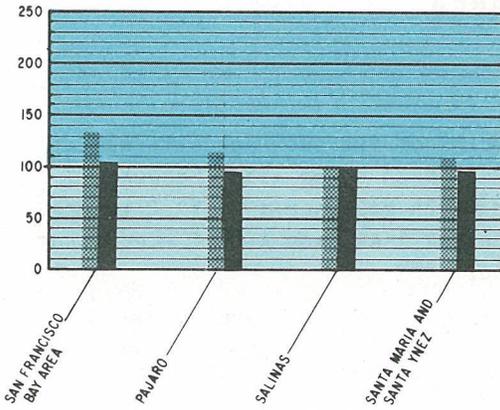
**RUNOFF** - JANUARY RUNOFF FROM NORTH COASTAL STREAMS WAS 494 THOUSAND ACRE-Feet OR 19 PERCENT OF NORMAL. FOR THE PERIOD OCTOBER THROUGH JANUARY, THE FOUR-MONTH TOTAL WAS 5.2 MILLION ACRE-Feet WHICH IS 95 PERCENT OF AVERAGE. LAST JANUARY'S FLOW WAS 1.6 MILLION ACRE-Feet AND THE FOUR-MONTH TOTAL WAS 9.9 MILLION ACRE-Feet.



FEBRUARY 1, 1984

FEBRUARY 1, 1985

# SAN FRANCISCO BAY AND CENTRAL COASTAL AREAS

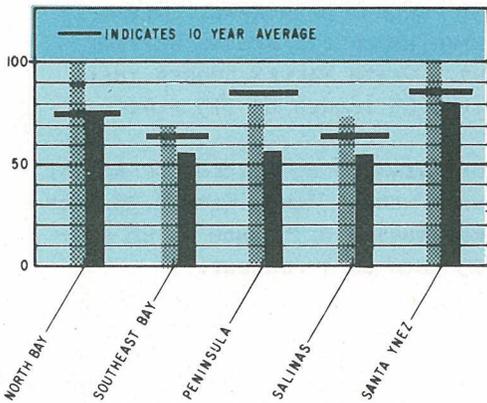


## PRECIPITATION

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

**PRECIPITATION** - IN THE SAN FRANCISCO BAY AND CENTRAL COASTAL AREAS, PRECIPITATION WAS NORMAL FOR THE RECORD OCTOBER 1 THROUGH JANUARY 31. IT VARIED FROM 113 PERCENT AT SAN FRANCISCO CITY WITH 13.08 INCHES TO 97 PERCENT AT SANTA MARIA WITH 6.53 INCHES. ALL SUBDRAINAGE VALUES WERE NEAR NORMAL AND SLIGHTLY LESS THAN LAST YEAR'S AMOUNT. EARLIER ACCUMULATION AMOUNTS WERE BOOSTED BY A WET NOVEMBER. WETTEST NOVEMBER OF RECORD WAS REPORTED AT MT. HAMILTON WITH 8.40 INCHES OR 308 PERCENT. RUNNER-UP WETTEST OF RECORD OCCURRED AT BOTH SAN FRANCISCO CITY AND SANTA CRUZ WITH 7.45 INCHES OR 314 PERCENT AND 11.06 INCHES OR 340 PERCENT, RESPECTIVELY.

DURING JANUARY, PRECIPITATION AVERAGED ONLY 20 PERCENT. THE LEAST MONTHLY TOTAL REPORTED WAS 0.10 INCH AT KING CITY (FOURTH DRIEST OF RECORD). OTHER TYPICAL SMALL AMOUNTS LOGGED IN WERE: LIVERMORE WITH 0.40 INCH OR 14 PERCENT, PRIEST VALLEY 0.40 INCH OR 10 PERCENT, AND PASO ROBLES 0.30 INCH OR 10 PERCENT.

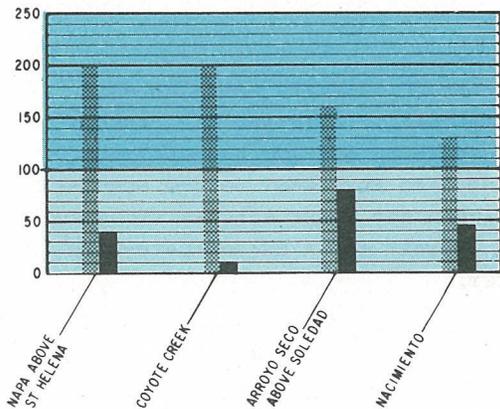


## RESERVOIR STORAGE

CONTENTS OF MAJOR RESERVOIRS IN PERCENT OF CAPACITY

**RESERVOIR STORAGE** - STORAGE ON FEBRUARY 1 IN 17 MAJOR SAN FRANCISCO BAY AREA RESERVOIRS WAS 416 THOUSAND ACRE-Feet, WHICH WAS 87 PERCENT OF AVERAGE STORAGE FOR THIS DATE. ONE YEAR AGO THESE RESERVOIRS CONTAINED 545 THOUSAND ACRE-Feet.

STORAGE IN SIX MAJOR CENTRAL COASTAL AREA RESERVOIRS WAS 589 THOUSAND ACRE-Feet ON FEBRUARY 1. THIS IS 84 PERCENT OF AVERAGE FEBRUARY 1 STORAGE. LAST YEAR FOR THIS DATE, THESE RESERVOIRS WERE STORING 792 THOUSAND ACRE-Feet, WHICH WAS 118 PERCENT OF AVERAGE FEBRUARY 1 STORAGE.



## RUNOFF

OCTOBER 1 TO DATE IN PERCENT OF AVERAGE

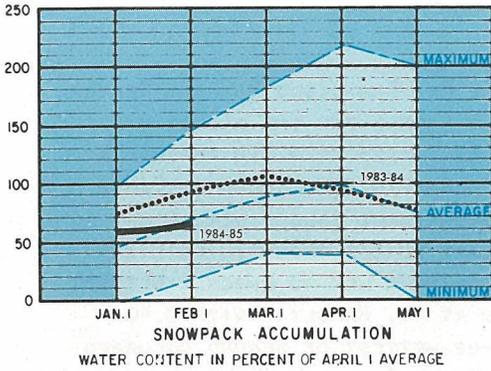
**RUNOFF** - JANUARY RUNOFF IN SELECTED SAN FRANCISCO BAY AREA STREAMS WAS 2.3 THOUSAND ACRE-Feet, WHICH IS 7 PERCENT OF THE MONTHLY AVERAGE. SEASONAL FLOW (OCTOBER THROUGH JANUARY) WAS 15.6 THOUSAND ACRE-Feet OR 31 PERCENT OF NORMAL FOR THE PERIOD. LAST YEAR'S JANUARY FLOW IN THESE STREAMS WAS 12 THOUSAND ACRE-Feet OR 37 PERCENT OF AVERAGE. THE SEASONAL FLOW (OCTOBER THROUGH JANUARY) LAST YEAR WAS 103 THOUSAND ACRE-Feet.

SELECTED CENTRAL COASTAL AREA STREAMS PRODUCED 8.7 THOUSAND ACRE-Feet OF RUNOFF WHICH WAS 13 PERCENT OF THE JANUARY AVERAGE. SEASONAL FLOW (OCTOBER THROUGH JANUARY) WAS 52.3 THOUSAND ACRE-Feet OR 43 PERCENT OF NORMAL. LAST YEAR THE MONTHLY AND SEASONAL FLOWS WERE 30 AND 167 THOUSAND ACRE-Feet.

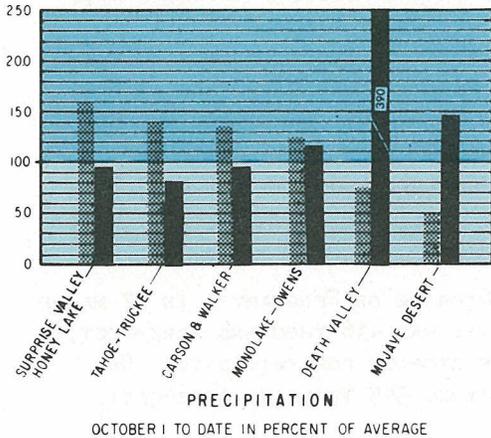
FEBRUARY 1, 1984

FEBRUARY 1, 1985

# LAHONTAN AREA

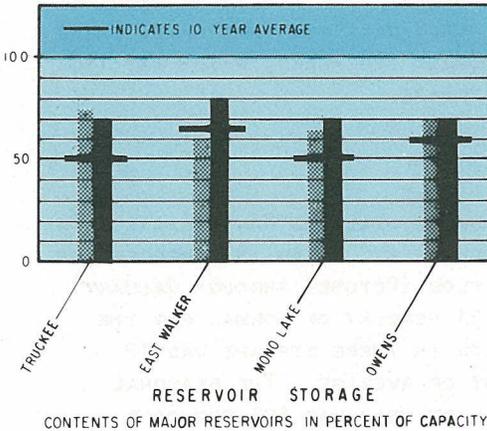


**SNOWPACK** - MEASUREMENTS OF THE SNOWPACK OBTAINED AT 41 SNOW COURSES AND ONE AERIAL MARKER ON OR ABOUT FEBRUARY 1 INDICATE A BASIN WIDE AVERAGE WATER EQUIVALENT OF 13.2 INCHES. THIS IS 91 PERCENT OF THE FEBRUARY 1 AVERAGE AND 60 PERCENT OF THE APRIL 1 (SEASONAL) AVERAGE.

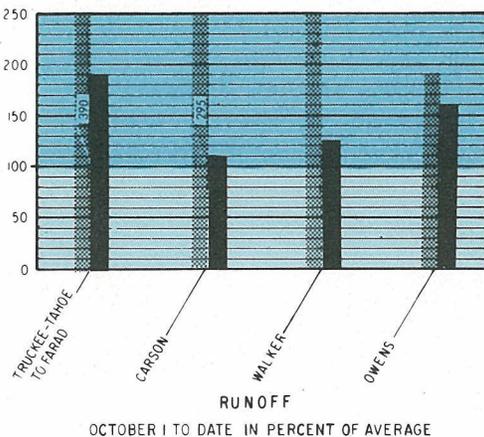


**PRECIPITATION** - IN THE LAHONTAN AREA, PRECIPITATION WAS 140 PERCENT OF NORMAL FOR THE FOUR-MONTH PERIOD OCTOBER 1 THROUGH JANUARY 31. THE NORTHERN HALF OF THE LAHONTAN SUB-DRAINAGES ARE SLIGHTLY BELOW NORMAL WITH CATCH VALUES ABOUT ONE-THIRD LESS THAN A YEAR AGO. THE SOUTHERN HALF, INCLUDING THE DESERT, ARE WELL ABOVE NORMAL. THE FIRST QUARTER WAS FAIRLY WET. A RECORD HIGH NOVEMBER WAS REPORTED AT LAKE SABRINA WITH 7.28 INCHES OR 539 PERCENT OF NORMAL. BISHOP, NEARBY ON THE VALLEY FLOOR, EXPERIENCED ITS SECOND WETTEST WITH 1.97 INCHES OR 402 PERCENT. DEATH VALLEY LOGGED THEIR WETTEST DECEMBER OF RECORD WITH 1.65 INCHES OR 745 PERCENT.

JANUARY PRECIPITATION AVERAGED 25 PERCENT OF NORMAL IN THE AREA. SOME MEAGER AMOUNTS WERE: TAHOE CITY 0.35 INCH OR 6 PERCENT (RECORD LOW), LAKE SABRINA 0.75 INCH OR 28 PERCENT, AND COTTONWOOD GATES 0.05 INCH OR 4 PERCENT.



**RESERVOIR STORAGE** - FEBRUARY 1 STORAGE IN EIGHT MAJOR RESERVOIRS IN THIS AREA WAS 310 THOUSAND ACRE-Feet OR 115 PERCENT OF THE AVERAGE FOR THIS DATE. LAST YEAR THESE RESERVOIRS WERE STORING 293 THOUSAND ACRE-Feet, OR 108 PERCENT OF AVERAGE FEBRUARY 1 STORAGE.



**RUNOFF** - JANUARY RUNOFF OF SELECTED LAHONTAN AREA STREAMS TOTALED 62 THOUSAND ACRE-Feet. THIS WAS 111 PERCENT OF THE JANUARY AVERAGE. FLOW IN THESE STREAMS FROM OCTOBER THROUGH JANUARY TOTALED 265 THOUSAND ACRE-Feet OR 150 PERCENT OF THE PERIOD'S AVERAGE. ONE YEAR AGO THESE STREAMS PRODUCED 112 THOUSAND ACRE-Feet DURING JANUARY AND A SEASONAL-TO-DATE TOTAL OF 530 THOUSAND ACRE-Feet.

FEBRUARY 1, 1984

FEBRUARY 1, 1985

**FORECASTS OF APRIL-JULY UNIMPAIRED RUNOFF AT SELECTED CALIFORNIA STREAMS  
AS OF FEBRUARY 1, 1985**

DRAINAGE BASIN AND WATERSHED	UNIMPAIRED RUNOFF IN 1000 ACRE-FEET						(3)
	HISTORICAL			FORECASTS			
	50 Year Average	Maximum of Record	Minimum of Record	April - July Forecasts	Percent of Average		
	1000 Acre-Feet	1000 Acre-Feet	1000 Acre-Feet	1000 Acre-Feet	1000 Acre-Feet		
<b>NORTH COASTAL AREA</b>							
Trinity River at Lewiston	642	1400	80	630	98		
Scott River at Ft. Jones	200			190	95		
Upper Klamath Lake (1)				577	115		
<b>LAHONTAN AREAS</b>							
Truckee River, Lake Tahoe to Farad accretion Lake Tahoe Rise (assuming gates closed)	269 1.42 ft.	713	58	180 0.90	70 63		
East Carson River near Gardnerville	184	407	43	140	76		
West Carson River at Woodfords	53	108	12	40	75		
East Walker River near Bridgeport	62	209	7	42	68		
West Walker River near Coleville	146	330	35	120	84		
Owens River at Long Valley Reservoir (2)				77	92		
<b>SURPRISE VALLEY AREA</b>							
Bidwell Creek near Ft. Bidwell	12.00	--	--	10.9	91		
Mill Creek above diversions	4.10	--	--	4.3	105		
Deep Creek above diversions	3.60	--	--	3.1	86		
Eagle Creek at Eagleville	4.30	--	--	4.2	98		
<b>GOOSE LAKE TRIBUTARIES</b>							
New Pine Creek below Schroeders	7.35	--	--	5.9	80		
Cottonwood Creek below Larkin Garden Ditch	2.45	--	--	1.9	78		
Lassen Creek near Willows Ranch	7.54	--	--	6.5	86		
Davis Creek above Diversion No.4	6.25	--	--	5.5	88		

(1) Forecast by U.S. Soil Conservation Service, Portland, Oregon, for monthly period, April through September  
(2) Forecast by Dept. of Water and Power, City of Los Angeles, for monthly period, April through September.  
(3) Inside back cover for definition of unimpaired runoff.

## SOUTH COASTAL AND COLORADO DESERT AREAS

PRECIPITATION - IN THE SOUTH COASTAL AREA, PRECIPITATION AVERAGED 115 PERCENT OF NORMAL OVER THE PERIOD OCTOBER 1 THROUGH JANUARY 31. SEASONAL CATCHES IN ALL SUB-DRAINAGES WERE SLIGHTLY ABOVE NORMAL. TOTALS VARIED FROM 17.77 INCHES OR 103 PERCENT AT MT. WILSON TO 7.73 INCHES OR 140 PERCENT AT SAN DIEGO. JANUARY PRECIPITATION AVERAGED 30 PERCENT OF NORMAL OVER THE AREA. IT VARIED FROM 25 PERCENT AT SAN DIEGO WITH 7.73 INCHES TO 1.84 INCHES OR 48 PERCENT AT SANTA PAULA. THE HIGHEST JANUARY VALUE IN THE AREA WAS MEASURED AT CUYAMACA WITH 2.31 INCHES OR 39 PERCENT.

PRECIPITATION IN THE COLORADO DESERT AREA WAS 230 PERCENT OF NORMAL FOR THE PERIOD OCTOBER 1 THROUGH JANUARY 31. EXTREMES VARIED FROM 126 PERCENT AT TWENTYNINE PALMS TO 323 PERCENT AT BLYTHE. EXCEEDING THEIR NORMAL WATER-YEAR TOTALS WERE: IRON MOUNTAIN WITH 3.52 INCHES OR 111 PERCENT, BLYTHE WITH 4.58 INCHES OR 130 PERCENT DUE TO RECORD PRECIPITATION IN DECEMBER. AMOUNTS FOR DECEMBER WERE 2.43 INCHES OR 565 PERCENT AND 3.73 INCHES OR 811 PERCENT, RESPECTIVELY.

JANUARY PRECIPITATION AVERAGED 60 PERCENT OVER THE AREA. AMOUNTS WERE LESS THAN AN INCH.

RUNOFF - JANUARY RUNOFF IN SELECTED SOUTH COASTAL STREAMS WAS 11 THOUSAND ACRE-FEET WHICH IS 55 PERCENT OF NORMAL. THE OCTOBER THROUGH JANUARY TOTAL WAS 26.5 THOUSAND ACRE-FEET OR 67 PERCENT OF AVERAGE. ONE YEAR AGO THESE STREAMS PRODUCED 12 THOUSAND ACRE-FEET DURING JANUARY AND A SEASONAL-TO-DATE TOTAL OF 54 THOUSAND ACRE-FEET.

## MAJOR WATER DISTRIBUTION PROJECTS

STATE WATER PROJECT - BASED ON CURRENT FORECASTS OF WATER SUPPLY, LAKE OROVILLE IS EXPECTED TO FILL TO ABOUT 3.3 MILLION ACRE-FEET BY JUNE 1985. FEBRUARY 1 STORAGE AT OROVILLE IS 2.7 MILLION ACRE-FEET. SAN LUIS DAM HAS 1.75 MILLION ACRE-FEET OF STORAGE AS OF THIS DATE AND THE RESERVOIR IS EXPECTED TO FILL BY THE END OF APRIL.

CENTRAL VALLEY PROJECT - FEBRUARY 1 RUNOFF FORECASTS INDICATE THAT THE CVP WILL HAVE ADEQUATE WATER SUPPLIES. ALL THE DEMANDS BY CVP AGRICULTURAL WATER USERS SERVED BY SHASTA, TRINITY AND FOLSOM WILL BE MET. THE INFLOW FORECAST FOR MILLERTON LAKE INDICATES A FULL CLASS 1 SUPPLY.

COLORADO RIVER - FEBRUARY 1 SNOWPACK IN THE UPPER COLORADO RIVER BASIN, ACCORDING TO THE U. S. SOIL CONSERVATION SERVICE, IS 104 PERCENT OF NORMAL FOR THE BASIN AND RANGES FROM A HIGH OF 117 PERCENT OF NORMAL IN GUNNISON BASIN ON THE COLORADO TO A LOW OF 90 PERCENT IN THE SOUTH PLATTE BASIN.

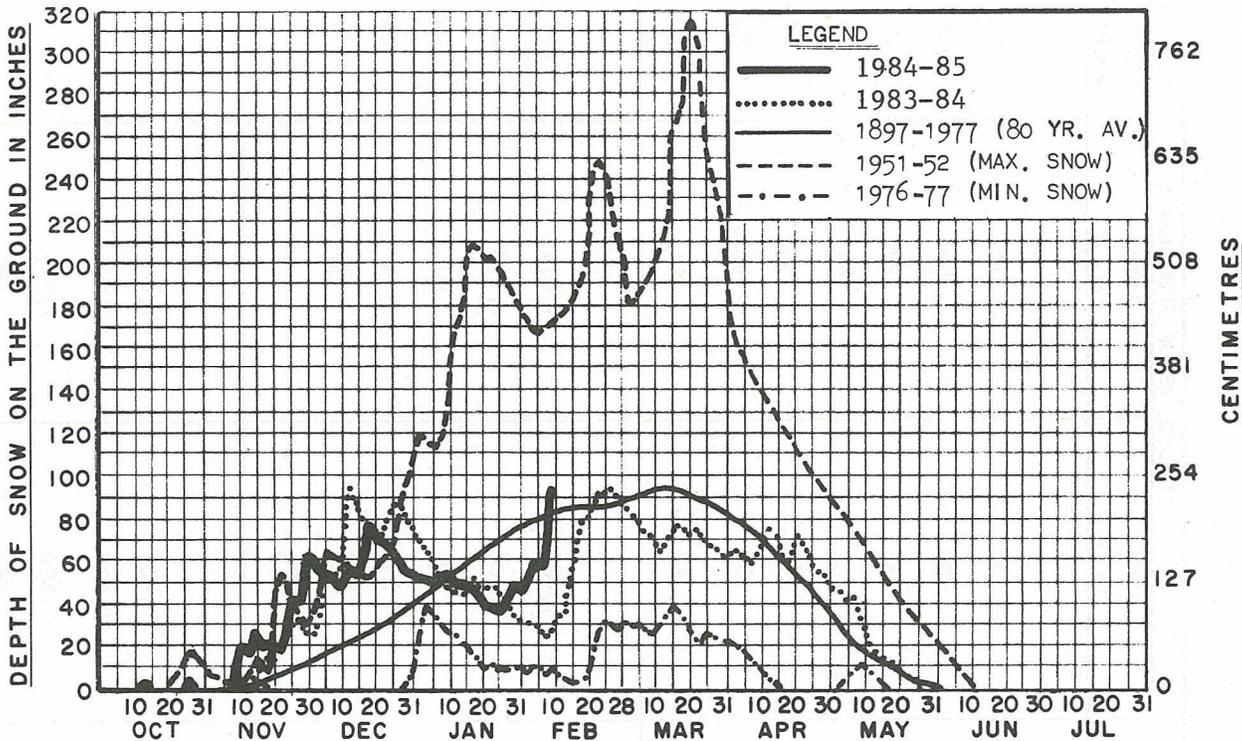
THE U. S. BUREAU OF RECLAMATION AND U. S. NATIONAL WEATHER SERVICE, SALT LAKE CITY, UTAH, FORECASTS THAT THE COLORADO INFLOW TO LAKE POWELL, DURING APRIL-JULY 1985, WILL BE ABOUT 11.0 MILLION ACRE-FEET OR 145 PERCENT OF THE U. S. BUREAU OF RECLAMATION'S LONGTIME AVERAGE.

**MAJOR WATER DISTRIBUTION PROJECTS  
RESERVOIR STORAGE**

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE/ 1,000 AF	STORAGE AS OF FEBRUARY 1		PERCENT AVERAGE
			1984 1,000 AF	1985 1,000 AF	
<u>STATE WATER PROJECT</u>					
Oroville	3,540	2,586	2,750	2,718	105
SAN LUIS SWP	1,060	884	1,060	1,059	120
LAKE DEL VALLE	71	33	33	27	82
SILVERWOOD LAKE	78	65	51	61	94
PYRAMID LAKE	171	155	157	153	99
CASTAIC LAKE	324	237	262	196	83
FERRIS RESERVOIR	132	105	124	124	118
<u>CENTRAL VALLEY PROJECT</u>					
CLAIR ENGLE LAKE	2,450	1,877	1,980	1,873	100
SHASTA LAKE	4,550	3,220	3,400	3,118	97
WHISKEYTOWN	241	207	200	205	99
FOLSOM	1,010	590	633	592	100
MILLERTON LAKE	521	376	407	330	88
SAN LUIS CVP	980	563	823	691	123
<u>COLORADO RIVER PROJECT</u>					
LAKE MEAD	26,100	22,400	24,400	24,000	107
LAKE POWELL	25,000	19,225	22,000	22,000	114
LAKE MOHAVE	1,810	1,690	1,690	1,715	101
LAKE HAVASU	619	545	550	552	101

# SNOW DEPTH AT DONNER SUMMIT

ELEVATION 2134 METRES (7,000 FEET)



## SNOW LINES



WETTEST SPOT IN CALIFORNIA - CAMP SIX IN DEL NORTE COUNTY EXPERIENCED 254.9 INCHES OF PRECIPITATION DURING THE PERIOD FROM OCTOBER 1981 THROUGH SEPTEMBER 1982. THIS PALES WHEN COMPARED WITH THE 1041.78 INCHES WHICH FELL ON CHERRAPUNJI, INDIA IN A ONE-YEAR PERIOD.



TIMING MEASUREMENTS - SINCE IT ISN'T POSSIBLE TO SAMPLE ALL SNOW COURSES ON THE FIRST OF THE MONTH, WE ADJUST THE DATA TO REFLECT THE EFFECTS OF WEATHER THAT OCCURRED BETWEEN THE SAMPLE DATE AND THE FIRST. THERE IS A LIMIT TO THE AMOUNT OF TIME WE CAN ADJUST FOR, THEREFORE, WE NEED TO HAVE OUR MEASUREMENTS MADE NO EARLIER THAN THE 25TH OF THE MONTH.



SNOW SURVEYS OFFICE - DUE TO A SPACE SHORTAGE IN THE RESOURCES BUILDING, THE SNOW SURVEYS OFFICE WAS MOVED TO 921 - 11TH STREET, ROOM 266. PHONE NUMBERS AND THE MAILING ADDRESS ARE UNCHANGED.

### SNOW COVERED AREAS (SQ. MI.) - FEBRUARY 1

BASIN	1985	1984	1976
Sacramento	4623	2141	1145
Feather	3100	1873	722
San Joaquin	1048	963	300
Kern	1720	859	207

**SNOWPACK** — Snow data is a major index of spring and summer runoff from Sierra Nevada watersheds. April 1 data historically reflects the magnitude of the snowpack at or near the maximum seasonal accumulation. Averages are based on April 1 data for the period 1931-1975 (45 years).

**PRECIPITATION** — Averages are based on the period 1931-1975 (45 years).

**RUNOFF AND FORECASTS** — Runoff data and runoff forecasts are shown as unimpaired values. Unimpaired runoff represents the natural water production of a river basin, unaltered by upstream diversions, storage, or by export or import of water to or from other watersheds. Forecasts of runoff assume median conditions subsequent to the date of forecast.

Runoff probability ranges are statistically derived from historical data. The 80 percent probability range is comprised of the 90 percent exceedence level value and the 10 percent exceedence level value. This means that actual runoff should fall within the stated limits eight times out of ten.

Runoff averages for most streams are based on the 50 year period 1931-1980 with data through 1975 being final values. For more details, contact California Cooperative Snow Surveys, P.O. Box 388, Sacramento, CA 95802, (916) 445-2196.

State of California - Resources Agency  
**Department of Water Resources**  
P.O. Box 388  
Sacramento  
95802

# FIRST CLASS

