

California Weather-Hydro Conditions during June 2007

As of July 1, Water Year 2007 statewide hydrologic conditions were as follows: precipitation, 60% of average to date; runoff, 55% of average to date; and reservoir storage, 90% of average for the date. On April 1, the statewide snow pack was about 40% of the April 1 average (the usual date of maximum accumulation). This is the smallest snowpack for April 1 since 1988 when the statewide snowpack was at 30 percent of the April 1 average. On May 1, 2007, the statewide snowpack was only about 25% of normal due to below-normal snowfall and above-normal temperatures during April. Usually, snowmelt continues well into June, but by June 1 of this water year, the statewide snowpack was essentially gone. In general, seasonal precipitation during this water year has been below average, especially in Southern California. On June 30, the Northern Sierra 8-Station Index had a seasonal total of 36.0", which is about 74% of the seasonal average to date and about 72% of average for an entire Water Year (50.0"). During Water Year 2007, the Northern Sierra 8-Station Index had the sixth driest January and March on record. (In contrast, the other large precipitation months of December and February were above normal at 101% and 170% of average, respectively.) The Water Year 2007 October through June seasonal total of 36.0" is the 25th driest year out of 88 years of record. In both Northern and Southern California, fire season began early because of the dryness.

As of June 5, the date of the last forecast for this Water Year, the projected median April-July unimpaired snowmelt runoff for the State's major water supply basins ranged from 56% (Shasta Lake Inflow) to 22% (Tule River). Sacramento River unimpaired runoff observed through June 30 was about 9.2 million acre-feet (MAF), which is about 54% of average. (On June 30, 2006, the observed Sacramento River unimpaired runoff through that date was about 30.3 MAF or about 176% of average.) During June, unimpaired runoff volumes for all rivers were well below average. The median forecasts of the Sacramento and San Joaquin Valley Water Year Type indexes are "Dry" and "Critical," respectively.

Selected Cities Precipitation Accumulation as of 06/30/2007 (National Weather Service Water Year: July through June)

	Jul 1 to Date 2006 - 2007 (in inches)	% Avg	Jul 1 to Date 2005 - 2006 (in inches)	% Avg	% Avg Jul 1 to Jun 30 2006 - 2007
Eureka	35.48	93	58.83	154	93
Redding	22.73	68	45.31	135	67
Sacramento	11.95	60	25.63	129	60
San Jose	9.28	62	22.54	149	61
Fresno	6.03	54	14.56	130	53
Bakersfield	3.06	47	6.85	106	47
Los Angeles	3.21	21	13.19	87	21
San Diego	3.85	36	5.42	50	35

Key Reservoir Storage (1,000 AF) as of 06/30/2007

Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,861	2,132	87	2,448	76	---	587
Shasta Lake	Sacramento	3,181	3,745	85	4,552	70	-1,371	1,371
Lake Oroville	Feather	2,686	2,953	91	3,538	76	-852	852
New Bullards Bar Res	Yuba	810	830	98	966	84	-156	156
Folsom Lake	American	672	833	81	977	69	-305	305
New Melones Res	Stanislaus	1,680	1,517	111	2,420	69	-740	740
Don Pedro Res	Tuolumne	1,534	1,597	96	2,030	76	-496	496
Lake McClure	Merced	569	732	78	1,025	55	-456	456
Millerton Lake	San Joaquin	305	417	73	520	59	-215	215
Pine Flat Res	Kings	523	701	75	1,000	52	-477	477
Isabella	Kern	213	308	69	568	38	-260	355
San Luis Res	(Offstream)	531	1,373	39	2,039	26	---	1,508

The latest National Weather Service Climate Prediction Center (CPC) 90-Day long-range seasonal weather outlook (for July through September), issued June 21, suggests below average precipitation for Northern California and average conditions elsewhere in the State. Temperatures are expected to be above normal for all of California, except for the central and southern coasts where normal temperatures are forecast. The latest CPC long-range weather for July, issued June 30, suggests average precipitation for all of California. Temperatures are expected to be above normal for all of California, except for the South Coast where below normal temperatures are forecast. For both the 1 and 3-month forecasts, temperatures are expected to be well above average for the American Southwest.