

California Weather-Hydro Conditions during September 2010

As of September 30, 2010, the end of Water Year 2010, statewide hydrologic conditions were as follows: precipitation, 110 percent of average to date; runoff, 90 percent of average to date; and reservoir storage, 105 percent of average for the date. Sacramento River unimpaired runoff observed through September 30, 2010 was about 15.9 million acre-feet (MAF), which is about 86 percent of average. For comparison, on September 30, 2009, the observed Sacramento River unimpaired runoff through that date was about 13.0 MAF, or about 70 percent of average.

In contrast to the cool spring and summer of this year, September had near normal temperatures. On September 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 53.6 inches, which is about 107 percent of an average water year (50.0 inches). During September, the precipitation total for the 8-Stations was 0.3 inches, or about 33 percent of average. Last year on September 30, the Water Year total for the 8-Stations was 46.7 inches, or about 93 percent an average water year.

On September 30, the San Joaquin 5-Station Precipitation Index Water Year total was 44.7 inches, which is about 110 percent of an average water year (40.8 inches). There was almost no precipitation during September. Last year on September 30, the seasonal total for the 5-Stations to date was 38.9 inches, or about 95 percent of an average water year.

Selected Cities Precipitation Accumulation as of 9/30/2010 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2010 - 2010 (in inches)	% Avg	Jul 1 to Date 2009 - 2009 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2010 - 2011
Eureka	1.58	113	1.11	79	4
Redding	0.47	63	0.12	16	1
Sacramento	0.01	2	0.14	30	0
San Francisco	0.01	3	0.27	90	0
Fresno	0.00	0	0.01	4	0
Bakersfield	0.00	0	0.01	4	0
Los Angeles	0.00	0	0.00	0	0
San Diego	0.05	15	0.00	0	0

Key Reservoir Storage (1,000 AF) as of 9/30/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,558	1,700	92	2,448	64	---	890
Shasta Lake	Sacramento	3,319	2,810	118	4,552	73	-1,233	1,233
Lake Oroville	Feather	1,755	2,252	78	3,538	50	-1,595	1,783
New Bullards Bar Res	Yuba	625	590	106	966	65	-285	341
Folsom Lake	American	624	558	112	977	64	-353	353
New Melones Res	Stanislaus	1,276	1,331	96	2,420	53	-997	1,144
Don Pedro Res	Tuolumne	1,660	1,363	122	2,030	82	-112	370
Lake McClure	Merced	680	509	134	1,025	66	-172	345
Millerton Lake	San Joaquin	247	203	122	520	48	-273	273
Pine Flat Res	Kings	357	348	103	1,000	36	-643	643
Isabella	Kern	170	184	92	568	30	-134	398
San Luis Res	(Offstream)	789	993	79	2,039	39	---	1,250

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for October 2010, issued September 30, 2010, suggests below average rainfall for almost all of California, and no tendency for above or below average rainfall for the extreme southeastern portion of the State.