

California Weather-Hydro Conditions during August 2010

As of August 31, 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 August 31, 2010 was about 15.6 million acre-feet (MAF), which is about 85 percent of average. For comparison, on August 31, 2009, the observed Sacramento River unimpaired runoff through that date was about 12.7 MAF, or about 70 percent of average.

Except for several hot days at the end of the month, August was a continuation of this year's cool spring and summer. On September 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 53.3 inches, which is about 109 percent of the seasonal average to date and about 107 percent of an average water year (50 inches). During August, the precipitation total for the 8-Stations was 0.1 inches, or about 33 percent of average. Last year on September 1, the seasonal total for the 8-Stations to date was 46.5 inches, or about 95 percent of the seasonal average to date.

On September 1, the San Joaquin 5-Station Precipitation Index Water Year total was 44.7 inches, which is about 112 percent of the seasonal average to date and about 109 percent of an average water year (40.8 inches). There was almost no precipitation during August. Last year on September 1, the seasonal total for the 5-Stations to date was 38.9 inches, or about 97 percent of the seasonal average to date.

Selected Cities Precipitation Accumulation as of 8/31/2010 (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	0.19	35	0.08	15	0
Redding	0.13	48	0.00	0	0
Sacramento	0.00	0	0.00	0	0
San Francisco	0.00	0	0.00	0	0
Fresno	0.00	0	0.00	0	0
Bakersfield	0.00	0	0.00	0	0
Los Angeles	0.00	0	0.00	0	0
San Diego	0.02	0	0.00	0	0

Key Reservoir Storage (1,000 AF) as of 8/31/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,642	1,839	89	2,448	67	---	806
Shasta Lake	Sacramento	3,492	2,966	118	4,552	77	-1,060	1,060
Lake Oroville	Feather	2,040	2,377	86	3,538	58	-1,498	1,498
New Bullards Bar Res	Yuba	664	653	102	966	69	-302	302
Folsom Lake	American	656	621	106	977	67	-321	321
New Melones Res	Stanislaus	1,307	1,374	95	2,420	54	-1,113	1,113
Don Pedro Res	Tuolumne	1,755	1,427	123	2,030	86	-275	275
Lake McClure	Merced	782	584	134	1,025	76	-242	243
Millerton Lake	San Joaquin	314	230	137	520	60	-206	206
Pine Flat Res	Kings	459	387	118	1,000	46	-541	541
Isabella	Kern	212	212	100	568	37	-222	356
San Luis Res	(Offstream)	775	890	87	2,039	38	---	1,264

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for September 2010, issued August 31, 2010, suggests below average rainfall for almost all of California, and no tendency for above or below average rainfall for the extreme northern portion of the State.