

California Weather-Hydro Conditions during January 2014

As of January 31, statewide hydrologic conditions were as follows: precipitation, 20 percent of average to date; runoff, 15 percent of average to date; snow water equivalent, 15 percent of average for the date (10 percent of the April 1 average); and reservoir storage, 65 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2014, observed through January 31, 2014 was about 1.4 million acre-feet (MAF), which is about 24 percent of average. In comparison to Water Year 2013, the observed Sacramento River Region unimpaired runoff through January 31, 2013 was about 5.9 MAF, or about 105 percent of average.

On January 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 4.5 inches, which is about 17 percent of the seasonal average to date and 9 percent of an average water year (50.0 inches). During January, the total precipitation for the 8-Stations was 1.2 inches, or about 13 percent of average for the month. Last year on January 31, the Water Year 2013 seasonal total for the 8-Stations was 34.3 inches, or about 128 percent of average. The combined total October through January precipitation, in Water Year 2014, is the driest in about 90 years of record.

On January 31, the San Joaquin 5-Station Precipitation Index Water Year total was 4.7 inches, which is about 23 percent of the seasonal average to date and 12 percent of an average water year (40.8 inches). During January, the total precipitation for the 5-Stations was 1.7 inches, or about 22 percent of average for the month. Last year on January 31, the Water Year 2013 seasonal total for the 5-Stations was 20.4 inches, or about 99 percent of average. The combined total October through January precipitation, in Water Year 2014, is the third driest in about 90 years of record.

Selected Cities Precipitation Accumulation as of 01/31/2014 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2013 – 2014 (in inches)	% Avg	Jul 1 to Date 2012 – 2013 (in inches)	% Avg	% Avg “Water Year” Jul 1 to Jun 30 2013- 2014
Eureka	6.47	27	23.40	99	16
Redding	3.92	20	20.09	102	11
Sacramento	2.05	20	12.25	119	11
San Francisco	2.14	16	13.59	100	9
Fresno	1.30	22	3.97	68	11
Bakersfield	1.19	37	1.62	50	18
Los Angeles	1.04	15	5.58	83	8
San Diego	2.25	43	4.38	83	22

Key Reservoir Storage (1,000 AF) as of 01/31/2014								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,162	1,730	67	2,448	47	---	1,286
Shasta Lake	Sacramento	1,656	3,072	54	4,552	36	-2,179	2,896
Lake Oroville	Feather	1,262	2,317	54	3,538	36	-1,901	2,276
New Bullards Bar Res	Yuba	404	584	69	966	42	-392	562
Folsom Lake	American	164	508	32	977	17	-413	813
New Melones Res	Stanislaus	1,046	1,423	73	2,420	43	-924	1,374
Don Pedro Res	Tuolumne	1,044	1,391	75	2,030	51	-646	986
Lake McClure	Merced	218	489	45	1,025	21	-456	807
Millerton Lake	San Joaquin	196	333	59	520	38	-239	324
Pine Flat Res	Kings	176	470	37	1,000	18	-498	824
Isabella	Kern	58	173	34	568	10	-112	510
San Luis Res	(Offstream)	616	1,607	38	2,039	30	---	1,423

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for February 2014, issued January 31, 2014, suggests below average rainfall for most of California, except the northern third of the State, where average precipitation is indicated.