

California Weather-Hydro Conditions during April 2014

As of April 30, statewide hydrologic conditions were as follows: precipitation, 55 percent of average to date; runoff, 35 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, 70 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2014, observed through April 30, 2014 was about 5.5 million acre-feet (MAF), which is about 41 percent of average. In comparison to Water Year 2014, the observed Sacramento River Region unimpaired runoff through April 30, 2013 was about 9.9 MAF, or about 74 percent of average.

On April 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 28.1 inches, which is about 62 percent of the seasonal average to date and 56 percent of an average water year (50.0 inches). During April, the total precipitation for the 8-Stations was 2.4 inches, or about 62 percent of average for the month. Last year on April 30, the Water Year 2013 seasonal total for the 8-Stations was 41.1 inches, or about 90 percent of average. The combined total October through April precipitation is the tenth driest in over 90 years of record.

On April 30, the San Joaquin 5-Station Precipitation Index Water Year total was 18.2 inches, which is about 49 percent of the seasonal average to date and 45 percent of an average water year (40.8 inches). During April, the total precipitation for the 5-Stations was 3.2 inches, or about 91 percent of average for the month. Last year on April 30, the Water Year 2013 seasonal total for the 5-Stations was 25.1 inches, or about 68 percent of average. The combined total October through April precipitation is the fifth driest in over 100 years of record.

Selected Cities Precipitation Accumulation as of 04/30/2014 (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	20.18	53	30.71	81	50
Redding	17.62	55	26.02	81	51
Sacramento	9.79	56	14.68	83	53
San Francisco	12.50	55	16.42	72	53
Fresno	4.77	44	5.60	52	41
Bakersfield	2.37	38	3.10	50	37
Los Angeles	4.45	36	6.50	52	35
San Diego	5.06	50	6.24	61	49

Key Reservoir Storage (1,000 AF) as of 04/30/2014								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,281	2,020	63	2,448	52	---	1,167
Shasta Lake	Sacramento	2,409	3,924	61	4,552	53	-2,143	2,143
Lake Oroville	Feather	1,877	2,877	65	3,538	53	-1,533	1,661
New Bullards Bar Res	Yuba	670	767	87	966	69	-226	296
Folsom Lake	American	547	729	75	977	56	-256	430
New Melones Res	Stanislaus	917	1,505	61	2,420	38	-1,309	1,503
Don Pedro Res	Tuolumne	1,080	1,487	73	2,030	53	-637	950
Lake McClure	Merced	280	607	46	1,025	27	-570	745
Millerton Lake	San Joaquin	228	366	62	520	44	-293	292
Pine Flat Res	Kings	306	613	50	1,000	31	-694	694
Isabella	Kern	66	231	28	568	12	-296	502
San Luis Res	(Offstream)	956	1,822	52	2,039	47	---	1,083

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for May 2014, issued April 30, 2014, suggests no tendency for above or below average rainfall for all of California.