

California Weather-Hydro Conditions during April 2016

As of April 30, statewide hydrologic conditions were as follows: precipitation, 105 percent of average to date; snow water content, 55 percent of average to date (40 percent of the April 1 average); runoff, 110 percent of average to date; and reservoir storage, 90 percent of average for the date. Sacramento River Region unimpaired runoff, for Water Year 2016, observed through April 30, 2016 was about 14.2 million acre-feet (MAF), which is about 106 percent of average. In comparison to Water Year 2015, the observed Sacramento River Region unimpaired runoff through April 30, 2015 was about 7.5 MAF, or about 56 percent of average.

On April 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 54.7 inches, which is about 120 percent of the seasonal average to date and 109 percent of an average water year (50.0 inches). During April, the total precipitation for the 8-Stations was 2.8 inches, or about 72 percent of average for the month. Last year on April 30, the Water Year 2015 seasonal total for the 8-Stations was 34.0 inches, or about 75 percent of average.

On April 30, the San Joaquin 5-Station Precipitation Index Water Year total was 38.7 inches, which is about 104 percent of the seasonal average to date and 95 percent of an average water year (40.8 inches). During April, the total precipitation for the 5-Stations was 2.8 inches, or about 78 percent of average for the month. Last year on April 30, the Water Year 2015 seasonal total for the 5-Stations was 16.0 inches, or about 43 percent of average.

On April 30, the Tulare Basin 6-Station Precipitation Index Water Year total was 25.2 inches, which is about 94 percent of the seasonal average to date and 86 percent of an average water year (29.3 inches). During April, the total precipitation for the 6-Stations was 1.6 inches, or about 61 percent of average for the month. Last year on April 30, the Water Year 2015 seasonal total for the 6-Stations was 11.2 inches, or about 42 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 04/30/2016					
Station	Oct 1 to Date 2015 - 2016	% Average	Season to Date 2014 - 2015	% Average	% Average Oct 1 - Sep 30
Mount Shasta	37.38	97	31.95	83	86
Eureka	43.20	118	29.85	81	107
Redding	35.10	113	22.17	71	101
South Lake Tahoe	19.97	117	9.64	56	98
Sacramento Executive AP	15.75	91	15.30	89	85
Santa Rosa (Sonoma Co AP)	30.01	88	22.24	65	83
San Francisco	21.97	98	17.34	77	93
Stockton	16.25	124	10.57	81	116
Yosemite	35.02	102	14.29	42	92
Monterey	21.25	139	14.21	93	132
Paso Robles	7.37	61	8.13	67	58
Fresno	13.98	131	5.85	55	122
Bakersfield	4.89	80	4.61	76	76
Death Valley	1.61	86	1.05	56	68
Los Angeles	6.30	44	7.46	52	42
Riverside	4.99	43	4.23	37	40
Palm Springs	2.48	54	2.07	45	43
San Diego	7.29	73	6.53	66	71

Key Reservoir Storage (1,000 AF) as of 04/30/2016								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,494	2,020	74	2,448	61	---	954
Shasta Lake	Sacramento	4,233	3,924	108	4,552	93	-319	319
Lake Oroville	Feather	3,400	2,877	118	3,538	96	0	138
New Bullards Bar Res	Yuba	881	767	115	966	91	-18	85
Folsom Lake	American	826	729	113	977	85	18	151
New Melones Res	Stanislaus	622	1,505	41	2,400	26	-1,610	1,798
Don Pedro Res	Tuolumne	1,365	1,487	92	2,030	67	-362	665
Lake McClure	Merced	480	607	79	1,025	47	-253	545
Millerton Lake	San Joaquin	295	366	81	520	57	-226	225
Pine Flat Res	Kings	520	613	85	1,000	52	-402	480

Isabella	Kern	88	231	38	568	16	-273	480
San Luis Res	(Offstream)	957	1,822	53	2,041	47	---	1,082

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for May 2016, issued April 30, 2016, suggests above normal precipitation for almost all of California, except the north coastal region of the State where normal precipitation is indicated.