

As of March 31, 2018, statewide hydrologic conditions were as follows: precipitation, 70 percent of average to date; snow water content, 60 percent of average to date; runoff, 60 percent of average to date; and reservoir storage, 105 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2018, observed through March 31, 2018 was about 7.0 million acre-feet (MAF), which is about 65 percent of average. In comparison to Water Year 2017, the observed Sacramento River Region unimpaired runoff through March 31, 2017 was about 26.1 MAF, or about 243 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2018, observed through March 31, 2018 was about 2.1 MAF, which is about 84 percent of average. In comparison to Water Year 2017, the observed San Joaquin River Region unimpaired runoff through March 31, 2017 was about 8.6 MAF, or about 350 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2018, observed through March 31, 2018 was about 0.6 MAF, which is about 67 percent of average. In comparison to Water Year 2017, the observed Tulare Lake Region unimpaired runoff through March 31, 2017 was about 2.5 MAF, or about 284 percent of average.

On March 31, 2018, the Northern Sierra 8-Station Precipitation Index Water Year total was 33.9 inches, which is about 77 percent of the seasonal average to date and 65 percent of an average water year (51.8 inches). During March, the total precipitation for the 8-Stations was 12.6 inches, or about 165 percent of average for the month. Last year on March 31, 2017, the Water Year 2017 seasonal total for the 8-Stations was 83.4 inches, or about 192 percent of average.

On March 31, 2018, the San Joaquin 5-Station Precipitation Index Water Year total was 25.7 inches, which is about 77 percent of the seasonal average to date and 63 percent of an average water year (40.2 inches). During March, the total precipitation for the 5-Stations was 15.3 inches, or about 250 percent of average for the month. Last year on March 31, 2017, the Water Year 2017 seasonal total for the 5-Stations was 64.9 inches, or about 195 percent of average.

On March 31, 2018, the Tulare Basin 6-Station Precipitation Index Water Year total was 14.9 inches, which is about 62 percent of the seasonal average to date and 52 percent of an average water year (28.8 inches). During March, the total precipitation for the 6-Stations was 9.8 inches, or about 213 percent of average for the month. Last year on March 31, 2017, the Water Year 2017 seasonal total for the 6-Stations was 43.2 inches, or about 180 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 03/31/2018					
Station	Water Year 2018 to Mar 31, 2018	% Average	Water Year 2017 to Mar 31, 2017	% Average	WY 2018% of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	14.73	41	49.41	138	34
Eureka	29.54	88	45.08	135	73
Redding	14.52	51	40.81	142	42
South Lake Tahoe	15.40	95	41.93	260	76
Sacramento Executive Airport	12.47	77	29.90	185	67
Santa Rosa (Sonoma Co AP)	19.76	61	53.32	166	54
San Francisco	13.46	64	29.69	141	57
Stockton	7.37	61	19.66	162	52
Yosemite	22.86	72	67.88	215	60
Monterey	10.66	75	22.81	161	66
Paso Robles	9.15	80	13.10	114	72
Fresno	6.09	63	13.66	141	53
Bakersfield	3.73	67	7.39	133	58
Death Valley	0.62	35	1.28	73	26
Los Angeles	4.47	33	17.46	130	30
Riverside	3.59	33	11.77	109	29
Palm Springs	1.69	38	6.96	155	29
San Diego	3.18	35	11.66	127	31

Key Reservoir Storage (1,000 AF) as of 03/31/2018								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,844	1,927	96	2,448	75	---	604
Shasta Lake	Sacramento	3,880	3,691	105	4,552	85	-607	672
Lake Oroville	Feather	2,093	2,696	78	3,538	59	-948	1,445
New Bullards Bar Res	Yuba	868	701	124	966	90	69	98
Folsom Lake	American	817	628	130	977	84	133	160
New Melones Res	Stanislaus	2,019	1,510	134	2,400	84	49	401
Don Pedro Res	Tuolumne	1,785	1,483	120	2,030	88	95	245
Lake McClure	Merced	825	565	146	1,025	81	86	200
Millerton Lake	San Joaquin	406	366	111	520	78	-115	114
Pine Flat Res	Kings	660	564	117	1,000	66	-255	340
Isabella	Kern	196	201	98	568	35	-165	372
San Luis Res	(Offstream)	1,774	1,846	96	2,041	87	---	265

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for May 2018, issued April 19, 2018, suggests below-average precipitation for Northern California and average precipitation for Southern California.