

California Weather-Hydro Conditions during October 2010

As of October 31, 2010, statewide hydrologic conditions were as follows: precipitation, 280 percent of average to date; runoff, 170 percent of average to date; and reservoir storage, 105 percent of average for the date. Sacramento River unimpaired runoff observed through October 31, 2010 was about 0.7 million acre-feet (MAF), which is about 126 percent of average. For comparison, on October 31, 2009, the observed Sacramento River unimpaired runoff through that date was about 0.5 MAF, or about 100 percent of average.

October was much wetter than normal for most of Northern California. An unusually strong, early-season storm, pushed monthly rainfall totals for many locations to well above average during the second half of the month. On November 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 7.6 inches, which is about 253 percent of the seasonal average to date and 15 percent of an average water year (50.0 inches). Last year on November 1, the seasonal total for the 8-Stations was 4.7 inches, or about 156 percent of average for the date.

On November 1, the San Joaquin 5-Station Precipitation Index Water Year total was 7.0 inches, which is about 350 percent of the seasonal average to date and 17 percent of an average water year (40.8 inches). Last year on October 31, the seasonal total for the 5-Stations to date was 5.8 inches, or about 290 percent of average for the date.

Selected Cities Precipitation Accumulation as of 10/31/2010 (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	5.84	155	3.06	81	15
Redding	5.13	175	2.11	72	15
Sacramento	1.44	106	3.38	249	8
San Francisco	0.85	63	3.23	241	4
Fresno	0.44	47	1.40	151	4
Bakersfield	0.59	111	0.09	17	9
Los Angeles	1.56	197	1.31	166	12
San Diego	2.23	290	0.00	0	21

Key Reservoir Storage (1,000 AF) as of 10/31/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,495	1,614	93	2,448	61	---	953
Shasta Lake	Sacramento	3,272	2,755	119	4,552	72	-619	1,280
Lake Oroville	Feather	1,702	2,164	79	3,538	48	-1,450	1,836
New Bullards Bar Res	Yuba	619	533	116	966	64	-177	347
Folsom Lake	American	602	496	121	977	62	-122	375
New Melones Res	Stanislaus	1,281	1,302	98	2,420	53	-689	1,139
Don Pedro Res	Tuolumne	1,643	1,297	127	2,030	81	-47	387
Lake McClure	Merced	649	451	144	1,025	63	-26	376
Millerton Lake	San Joaquin	210	189	111	520	40	-220	310
Pine Flat Res	Kings	351	350	100	1,000	35	-483	649
Isabella	Kern	157	159	99	568	28	-13	411
San Luis Res	(Offstream)	911	1,105	82	2,039	45	---	1,128

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for November 2010, issued October 31, 2010, suggests no tendency for above or below average rainfall for Northern and Central California, and below average rainfall for the southern portion of the State.