

California Weather-Hydro Conditions during April 2010

As of April 30, 2010, statewide hydrologic conditions were as follows: precipitation, 110 percent of average to date; runoff, 75 percent of average to date; and reservoir storage, 95 percent of average for the date. Sacramento River unimpaired runoff observed through April 30, 2010 was about 9.9 million acre-feet (MAF), which is about 72 percent of average. For comparison, on April 30, 2009, the observed Sacramento River unimpaired runoff through that date was about 8.6 MAF, or about 63 percent of average.

In general, April was wet and cool due to a series of cold, late-winter storms that brought significant precipitation to the state. On May 1, the Northern Sierra 8-Station Precipitation Index Water Year total was 48.9 inches, which is about 107 percent of the seasonal average to date and about 98 percent of an average water year (50 inches). During April, the precipitation total for the 8-Stations was 8.2 inches, or about 210 percent of average. Last year on May 1, 2009, the seasonal total for the 8-Stations to date was 39.6 inches, or about 87 percent of the seasonal average to date.

Selected Cities Precipitation Accumulation as of 4/30/2010 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2009 - 2010 (in inches)	% Avg	Jul 1 to Date 2008 - 2009 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2009 - 2010
Eureka	38.69	108	26.64	74	102
Redding	29.17	94	19.23	62	87
Sacramento	19.99	116	14.76	86	111
San Francisco	20.70	106	14.17	72	103
Fresno	12.15	115	7.11	67	108
Bakersfield	6.80	111	4.54	74	105
Los Angeles	12.35	96	7.98	62	94
San Diego	10.52	100	9.08	87	98

Key Reservoir Storage (1,000 AF) as of 4/30/2010								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	1,487	2,049	73	2,448	61	---	961
Shasta Lake	Sacramento	4,391	3,974	110	4,552	96	-161	161
Lake Oroville	Feather	2,114	2,939	72	3,538	60	-1,216	1,424
New Bullards Bar Res	Yuba	807	760	106	966	84	-89	159
Folsom Lake	American	823	730	113	977	84	21	154
New Melones Res	Stanislaus	1,277	1,482	86	2,420	53	-949	1,143
Don Pedro Res	Tuolumne	1,745	1,470	119	2,030	86	27	285
Lake McClure	Merced	646	612	106	1,025	63	-14	379
Millerton Lake	San Joaquin	350	365	96	520	67	66	170
Pine Flat Res	Kings	672	610	110	1,000	67	-178	328
Isabella	Kern	212	224	95	568	37	-230	356
San Luis Res	(Offstream)	1,669	1,861	90	2,039	82	---	370

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month weather precipitation outlook for May 2010, issued April 30, 2010, suggests no tendency for above or below average rainfall for the entire state.