

## California Weather-Hydro Conditions during October 2009

As of October 31, 2009, the end of the first month of Water Year 2010, statewide hydrologic conditions were as follows: precipitation, 185 percent of average to date; runoff, 120 percent of average to date; and reservoir storage, 80 percent of average for the date. Sacramento River unimpaired runoff observed through October 31, 2009 was about 0.5 million acre-feet (MAF), which is about 100 percent of average. (On October 31, 2008, the observed Sacramento River unimpaired runoff through that date was about 0.3 MAF, or about 65 percent of average.)

On October 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 4.6 inches, about 153 percent of the seasonal average to date (and for the month of October) and about 9 percent of an average water year (50 inches). Last year on October 31, the seasonal total to date was 3.1 inches, about 103 percent of the seasonal average to date.

October was cooler and much wetter than normal for most of California. An unusually strong, early-season storm, pushed monthly rainfall totals for many locations to well above normal. This mid-month storm was accompanied by strong winds and intense rain.

Selected Cities Precipitation Accumulation as of 10/31/2009 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2009 - 2009 (in inches)	% Avg	Jul 1 to Date 2008 - 2008 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2009 - 2010
Eureka	3.06	78	2.52	65	8
Redding	2.11	69	2.10	69	6
Sacramento	3.38	240	2.83	201	19
San Francisco	3.23	231	1.65	118	16
Fresno	1.40	146	0.40	42	12
Bakersfield	0.09	17	0.20	37	1
Los Angeles	1.31	162	0.02	2	10
San Diego	0.00	0	0.18	22	0

Key Reservoir Storage (1,000 AF) as of 10/31/2009								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	905	1,612	56	2,448	37	---	1,543
Shasta Lake	Sacramento	1,704	2,755	62	4,552	37	-2,166	2,848
Lake Oroville	Feather	1,289	2,165	60	3,538	36	-1,874	2,249
New Bullards Bar Res	Yuba	585	532	110	966	61	-211	381
Folsom Lake	American	344	495	70	977	35	-372	633
New Melones Res	Stanislaus	1,105	1,303	85	2,420	46	-865	1,315
Don Pedro Res	Tuolumne	1,414	1,297	109	2,030	70	-276	616
Lake McClure	Merced	411	450	91	1,025	40	-263	614
Millerton Lake	San Joaquin	322	189	170	520	62	-114	198
Pine Flat Res	Kings	267	351	76	1,000	27	-579	733
Isabella	Kern	103	158	65	568	18	-67	465
San Luis Res	(Offstream)	513	1,110	46	2,039	25	---	1,526

The latest National Weather Service Climate Prediction Center (CPC) long-range weather outlook for November 2009, issued October 31, 2009, forecasts above average precipitation for most of Northern and Central California. Average precipitation is expected for the rest of the State.