

## California Weather-Hydro Conditions during December 2009

As of December 31, 2009, statewide hydrologic conditions were as follows: precipitation, 85 percent of average to date; runoff, 40 percent of average to date; and reservoir storage, 75 percent of average for the date. Sacramento River unimpaired runoff observed through December 31, 2009 was about 1.5 million acre-feet (MAF), which is about 47 percent of average. For comparison, on December 31, 2008, the observed Sacramento River unimpaired runoff through that date was about 1.4 MAF, or about 44 percent of average.

On December 31, the Northern Sierra 8-Station Precipitation Index Water Year total was 13.6 inches, about 77 percent of the seasonal average to date and about 26 percent of an average water year (50 inches). Last year on December 31, 2008, the seasonal total to date was 14.6 inches, about 82 percent of the seasonal average to date.

In general, December was wetter in the central and southern portions of the State. On December 31, the southern Sierra had about 100 percent of normal snow water equivalent. In contrast, the northern Sierra, the snowpack was about 80 percent of normal. By January 7, the San Joaquin 5-Station Precipitation Index had about 100 percent of the seasonal total to date, as opposed to about 70 percent in the Northern Sierra.

| Selected Cities Precipitation Accumulation as of 12/31/2009 (National Weather Service Water Year: July through June) |   |          |   |          |  |
|--|---|----------|---|----------|--|
| City   | Jul 1 to Date<br>2009 - 2010<br>(in inches) | %<br>Avg | Jul 1 to Date<br>2008 - 2009<br>(in inches) | %<br>Avg | % Avg "Water Year"<br>Jul 1 to Jun 30<br>2009 - 2010 |
| Eureka   | 11.71                                       | 70       | 12.18                                       | 77       | 29   |
| Redding  | 6.62  | 57       | 7.46  | 64       | 20   |
| Sacramento   | 7.28  | 121      | 4.73  | 79       | 41   |
| San Francisco  | 6.50  | 97       | 4.62  | 69       | 32   |
| Fresno   | 4.01  | 119      | 2.70  | 80       | 36   |
| Bakersfield  | 1.85  | 98       | 1.69  | 90       | 29   |
| Los Angeles  | 3.36  | 91       | 4.01  | 108      | 26   |
| San Diego  | 2.40  | 76       | 6.05  | 192      | 22   |

| Key Reservoir Storage (1,000 AF) as of 12/31/2009 |             |         |             |              |          |               |                               |                          |
|---|-------------|---------|-------------|--------------|----------|---------------|-------------------------------|--------------------------|
| Reservoir   | River       | Storage | Avg Storage | %<br>Average | Capacity | %<br>Capacity | Flood Control<br>Encroachment | Total Space<br>Available |
| Trinity Lake                                      | Trinity     | 909     | 1,668       | 54           | 2,448    | 37            | ---                           | 1,539                    |
| Shasta Lake                                       | Sacramento  | 1,777   | 2,897       | 61           | 4,552    | 39            | -1,594                        | 2,775                    |
| Lake Oroville                                     | Feather     | 1,030   | 2,226       | 46           | 3,538    | 29            | -2,093                        | 2,508                    |
| New Bullards Bar Res                              | Yuba        | 546     | 537         | 102          | 966      | 57            | -250                          | 420                      |
| Folsom Lake                                       | American    | 264     | 479         | 55           | 977      | 27            | -313                          | 713                      |
| New Melones Res                                   | Stanislaus  | 1,165   | 1,344       | 87           | 2,420    | 48            | -805                          | 1,255                    |
| Don Pedro Res                                     | Tuolumne    | 1,427   | 1,329       | 107          | 2,030    | 70            | -263                          | 603                      |
| Lake McClure                                      | Merced      | 408     | 454         | 90           | 1,025    | 40            | -266                          | 617                      |
| Millerton Lake                                    | San Joaquin | 207     | 278         | 75           | 520      | 40            | -218                          | 313                      |
| Pine Flat Res                                     | Kings       | 340     | 418         | 81           | 1,000    | 34            | -316                          | 660                      |
| Isabella  | Kern        | 111     | 154         | 72           | 568      | 19            | -59                           | 457                      |
| San Luis Res                                      | (Offstream) | 874     | 1,401       | 62           | 2,039    | 43            | ---                           | 1,165                    |

The latest National Weather Service Climate Prediction Center (CPC) long-range weather outlook for January 2010, issued December 31, 2009, forecasts above average precipitation for the southern two-thirds of California. Average precipitation is expected for the northern third of the State.