

Hello,

We've finished the June 10, 2014 Bulletin 120 (B120) forecast update. The forecasts include observed conditions through the morning of June 10, 2014 and are posted at <http://cdec.water.ca.gov/cgi-progs/iodir/B120UP>.

Forecast Summary:

Considering the rivers forecasted in the B120 update, the projected median April-July runoff in the major Sierra river basins range from 10 percent on the Tule River to 50 percent for the Sacramento River above Bend Bridge. All forecasts changed by 1 percent or less except the San Joaquin and Kings river forecasts which increased 2 percent. Changes to the forecast were primarily a function of last week's runoff and expected flows for the rest of June. All median forecasts rank at about the 93 percent exceedence level or drier using the Department of Water Resources' period of record.

Runoff:

The observed flows for June indicate that all rivers south of the Feather River are flowing at a rate less than 30 percent of average. Sierra rivers from the Feather River northward are flowing at rates equal to or greater than 30 percent of normal. The Sacramento River at Bend Bridge flow rate so far in June is over 50 percent of average.

Precipitation:

For the first 10 days of June, the Northern Sierra 8-Station (8SI) precipitation index gained 0.0 inches which makes the water year total through June 10 28.8 inches which is 60 percent of average-to-date and 58 percent of an average water year.

During the same period, the San Joaquin 5-Station (5SI) also registered no precipitation. This makes the water year total through June 10 19.2 inches which is 49 percent of average-to-date and 47 percent of an average water year.

In the Tulare Lake region, the precipitation so far in June was also zero. For the water year through May, the precipitation was 48 percent of average.

Snowpack:

No snow sensors are registering snow right now. According to satellite images, snow is present at higher elevations in some areas.

This year, the statewide snowpack peaked at 10.0 inches on April 4-5 and represented 35 percent of the April 1 average. Snow accumulation was greatest in the Central region as it peaked at 12.4 inches (41 percent of the April 1 average) on April 2.

Weather and Climate Outlook:

No precipitation is forecast in California over the next six days. Freezing levels over the Sierra are expected to remain between 10,000 and 16,000 feet for the period.

The NWS Climate Prediction Center's (CPC) one-month outlook (June), updated May 31, and three-month outlook (June-August), updated May 15 both suggest increased chances of above normal temperatures for all of the State. These outlooks also predict equal chances of above or below normal precipitation for all but the most northern sliver of California.

ENSO-neutral conditions continue in the equatorial Pacific. Sea surface temperatures are above average across the equatorial Pacific Ocean. Tropical rainfall is slightly enhanced over Indonesia and the western tropical Pacific. The chance of El Niño is 70 percent during the Northern Hemisphere summer and reaches 80 percent during the fall and winter.

Last Update:

This week's forecast is the last one for the season. If you would like guidance or have questions before next forecast season, please contact a member of the Snow Surveys staff. We are happy to help.