

## ***Current Hydrologic Status & Forecast Conditions – June 30, 2011***

**Weather Outlook:** Temperatures will increase to just above normal into the next week as a weak ridge builds along the west coast following the recent rain storms from earlier this week in the Central Valley Central/Southern Sierra Nevada. Temperatures are expected to drop to near normal next week. In the Southern Sierra at elevation 8000 ft, the maximum temperatures will be in the lower 80s through this weekend and next week. Minimum temperatures at 8,000 ft will be in the upper 40s to low 50s through this weekend. Dry conditions will prevail throughout the state except possibly in portions of Southern California, which may receive small amounts of rain due to monsoonal moisture.

**Snowmelt/Runoff:**

	Current Apr-Jul Forecast (MAF)	Total Runoff To Date (MAF)	Estimated Remaining Apr-Jul Runoff (MAF)	Currently Available Reservoir Storage (MAF)
Sacramento Valley:	11.2 (172% Ave)	9.8	1.4	0.2
San Joaquin Valley:	6.6 (174% Ave)	5.4	1.2	0.3
Tulare Lake Region:	<u>3.8 (185% Ave)</u>	<u>3.1</u>	<u>0.7</u>	<u>0.3</u>
Total:	21.6 (175% Ave)	18.3	3.3	0.8

The “current April-July forecast” is the total forecast runoff volume for the entire April-July period;  
 The “total runoff to date” is the actual runoff from April 1 to the current date for each basin;  
 The “estimated remaining April-July runoff” is the forecast volume from the current date to the end of July;  
 The “currently available reservoir storage” is the total capacity of the reservoirs minus the current storage total.

**Reservoir Conditions:**

Sacramento Valley:	<u>Reservoir</u>	<u>% Capacity</u>
	Shasta (Sacramento)	97
	Oroville (Feather)	100
	New Bullards (Yuba)	99
	Folsom (American)	95

Reservoirs inflows have peaked, and varied release changes are being made in response to inflow forecasts for fill management.

San Joaquin Valley:	<u>Reservoir</u>	<u>% Capacity</u>
	New Melones (Stanislaus)	95
	Don Pedro (Tuolumne)	94

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New Exchequer (Merced)	98
Friant (San Joaquin)	91

Reservoir inflows are receding from their peaks in late June. Some recent flow spikes from recent rainstorms are receding, as well. Reservoir operators are holding the increased flood releases and taking advantage of increased demands to manage storage space for the remaining water volume.

Tulare Lake Region:	<b><u>Reservoir</u></b>	<b><u>% Capacity</u></b>
	Pine Flat (Kings)	96
	Terminus (Kaweah)	97
	Success (Tule)	48
	Isabella (Kern)	63

Similar to the conditions in San Joaquin basin, the inflows to the reservoirs in Tulare Lake region are reduced from their observed peaks.

### **River Conditions:**

Sacramento Valley: **Sacramento River at Rio Vista** may exceed monitor stage early Saturday morning during astronomical high tide..

San Joaquin Valley: The **Merced River at Stevinson** is forecast to exceed monitor stage tomorrow evening when increased releases are made from New Exchequer Dam.

Eastern Sierra: The **West Walker River at HWY 395 Below Little Walker** is forecast to exceed monitor stage when the diurnal fluctuation produces increased snowmelt streamflow in the forecast period, possibly exceeding flood stage for a brief time on Sunday morning.

### **Areas of Interest:**

In the **San Joaquin Basin**, Friant (San Joaquin River) and Pine Flat (Kings River) have increased flood releases in response to increased snowmelt runoff inflows. Contributions from both reservoirs enter the Mendota Pool, and combined flood flows are currently being used for agricultural demand. Future increased releases may exceed demand resulting in increased releases from the Pool to the San Joaquin River upstream of Firebaugh, and increased flows diverted upstream of the Pool through the Chowchilla Bypass.

### **More Information:**

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### **Weather:**

Regional Weather Forecasts: <http://www.cnrfc.noaa.gov/forecasts.php>

### **Snowmelt/Runoff:**

Snow Water Content: [http://cdec.water.ca.gov/cgi-progs/products/PLOT\\_SWC.pdf](http://cdec.water.ca.gov/cgi-progs/products/PLOT_SWC.pdf)

Weekly Bulletin 120 Update: [http://cdec.water.ca.gov/cgi-progs/iodir\\_ss/b120up](http://cdec.water.ca.gov/cgi-progs/iodir_ss/b120up)

Forecast Peak Snow Melt: <http://www.cnrfc.noaa.gov/awipsProducts/RNOHFSSPK.php>

### **Reservoir Conditions:**

Reservoir Status: <http://cdec.water.ca.gov/cdecapp/resapp/GetDailyFCgraphs.action>

### **River Conditions:**

River Forecast Summary: <http://www.cnrfc.noaa.gov/>

## **Hydrology & Flood Operations Office**

<http://cdec.water.ca.gov>