



## Westlands Water District

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# June 2018 Operations Report

### **CVP Water Supply**

The Bureau of Reclamation's (Bureau) 2018 initial allocation to Central Valley Project (CVP) south-of-Delta agricultural water service contractors was **20%**. In April the allocation increased to **40%** and **45%** in May and on June 15 increased to **50%**. In addition to the 2018 CVP allocation, the District rescheduled 101,159 AF into 2018.

### **Delta Pumping Plant (PP)**

Jones PP May pumping was less than 39% of capacity averaging 1,656 cfs. Pumping included OID/SSJID transfer water conveyed as CVP water. Banks PP averaged 826 cfs in May and 1,038 cfs through June 10. Repairs on the San Luis Canal above O'Neill forebay State water pumped at Banks has been conveyed through the Delta Canal Intertie (DCI) and the Delta Mendota Canal (DMC) to the O'Neil forebay. The DCI conveyance was shut down June 11 and SWP water deliveries must now come from SLR releases. The SLC repair is scheduled to be complete before the end of June. Jones averaged 2,700 cfs the first week of June and increased to three-unit operation pumping 3,300 cfs as of June 8.

As of June 15, the Delta is in Balanced conditions with an outflow index of 6,500 cfs, inflow diversion of 25.0% (3-day average), with Delta Outflow X2 the controlling factor. Total Delta Inflow is 14,022 cfs with the San Joaquin River (SJR) at 1,591 cfs. Keswick is releasing 10,500 cfs, Nimbus is releasing 3,500 cfs, and Oroville is releasing 1,650 cfs.

Daily Executive Operations Summary is viewable here:

<http://136.200.243.170/swp/operationscontrol/docs/delta/deltaops.pdf>

### **Project Operations**

As of June 15, Shasta storage is 3,844,000 AF (106% of 15-year average), Folsom is 916,000 AF (115% of 15-year average), and San Luis Reservoir (SLR) Federal storage is 617,198 AF (120% of 15-year average). Total SLR storage is 1,399,145 AF, which is 628,690 AF below full storage. The combined storage of the six key federal reservoirs is 9.63 MAF and the overall total north of delta CVP storage is 111 % of normal. Table 1 compares the six reservoirs by year.

**Table 1: CVP Reservoirs Wet/Dry/Current Year Comparison**

DATE:			06/15/2018
RESERVOIR	15 YR AVG	June 2017	June 2018
SHASTA	3,615,000	4,306,000	3,844,000
NEW MELONES	1,506,000	2,121,000	1,933,000
TRINITY	1,812,000	2,234,000	1,839,000
FOLSOM	794,000	921,000	916,000
MILLERTON	402,000	417,000	478,000
SLR-FED	513,000	912,000	618,000
<b>TOTAL</b>	<b>8,642,000</b>	<b>10,911,000</b>	<b>9,628,000</b>

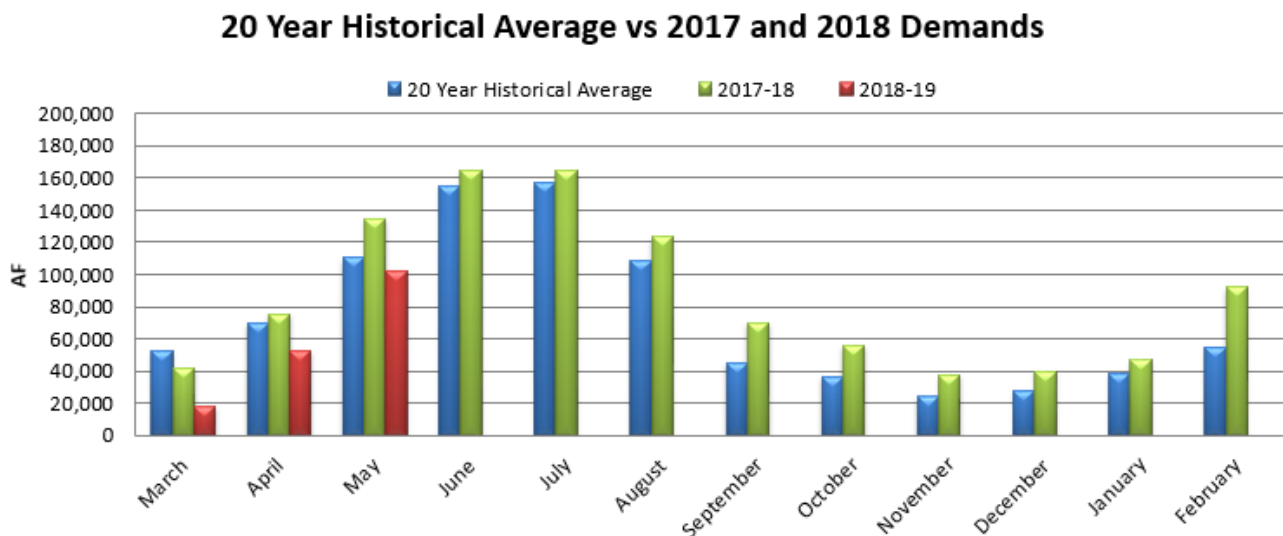
**Groundwater Management Program**

Wells enrolled in the Groundwater Management Program (GWMP) pumped 21,249 AF in April. The forecasted amount of June pumping is up to 25,000 AF. For Water Year 2018-19 the total forecast GWMP pumping is 130,000 AF and a total for District pumping of 400,000 AF.

**WWD Demands**

The water use for May including groundwater was 102,479 AF, compared to 134,658 last year, and the twenty-year historical average of 110,000 for the month. The District’s San Luis Canal (SLC) average daily demands for surface water in May were 1,315 cfs. June surface water daily demands are averaging 1,600 cfs through June 15. Figure 1, compares WWD monthly demands in 2018 with those of last year and the twenty-year average.

**Figure 1: Historical Averages versus Current Demands**



## Water Quality June 15

- Clifton Court (Jones): 274 uS/cm (158 mg/L TDS) with a pH of 7.6
- SLC Check 13 (O'Neill): 422 uS/cm (241 mg/L TDS) with a pH of 8.6
- SLC Check 21 (Kettleman): 424 uS/cm (242 mg/L TDS) with a pH of 8.8

DWR CDEC Water Quality Data is viewable here:

<https://www.water.ca.gov/Programs/State-Water-Project/Water-Quality/Continuous-Monitoring-Stations>

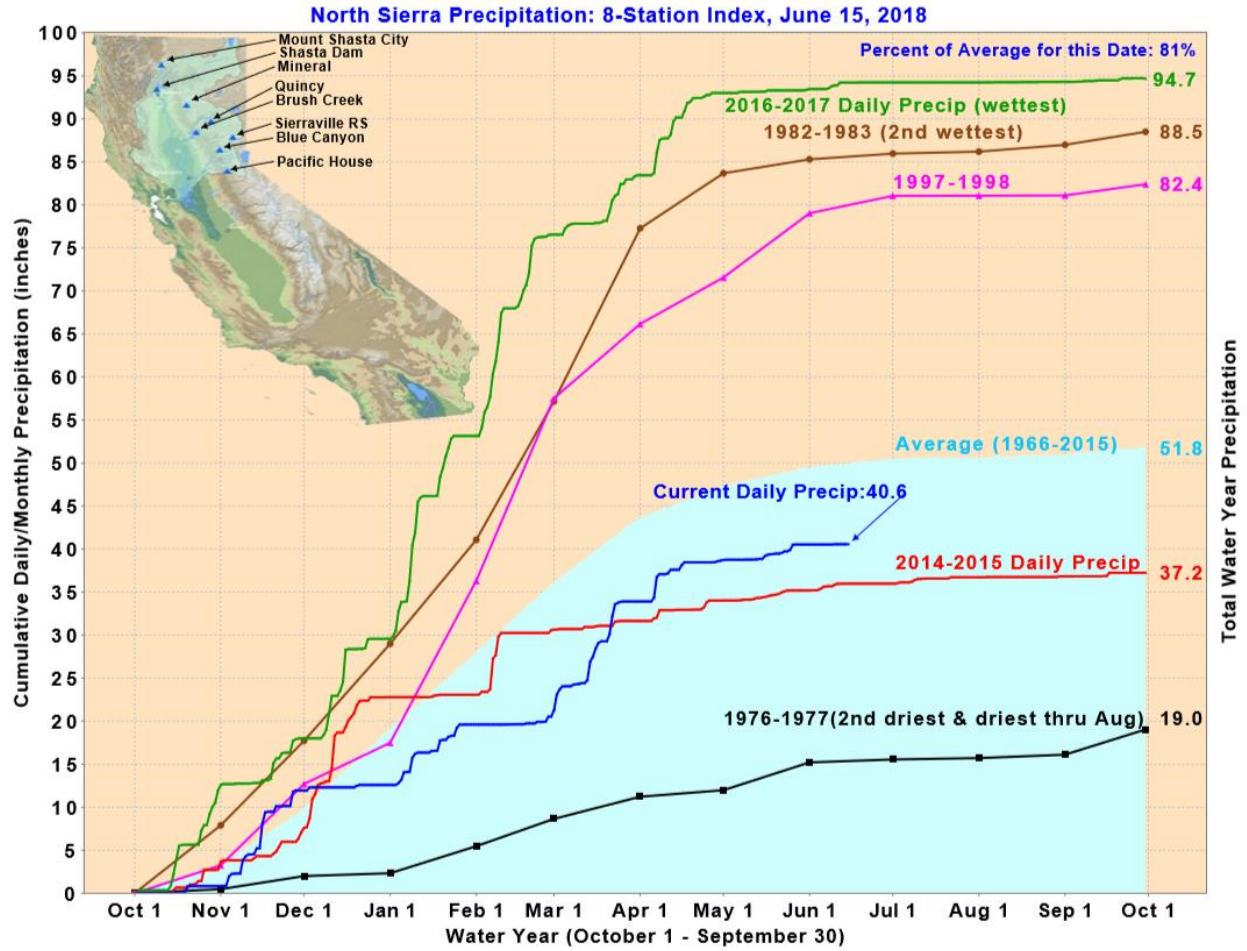
## Hydrology

The 2018 Northern Sierra Precipitation 8-Station Index is reporting 40.6" as of June 15, which is 78% of the water year average, and 81% of the seasonal average to date.

The San Joaquin 5-Station Index is reporting 29.6", which is 73% of the water year average, and 76% of seasonal average to date.

The National Weather Service Climate Prediction Center 14-day outlook and is calling for above normal temperatures and normal precipitation in the northern half of the state. The one-month forecast is calling for above normal temperatures and normal precipitation.

**Figure 2: North Sierra Precipitation: 8-Station Index, June 15**



For additional water supply information posted monthly on the District web sites Media Center, please visit the following link and updates are posted at the bottom of the page:

<https://wwd.ca.gov/news-and-reports/media-center/>