



Westlands Water District

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August 24, 2017 Operations Report

CVP Water Supply

The Bureau of Reclamation's allocation to Central Valley Project (CVP) south-of-Delta agricultural water service contractors is 100% for the 2017-2018 water contract year. The District rescheduled 213,850 AF into 2017 with no water losses.

Delta Pumping Plant

For August, Jones has averaged 4,255 cfs. Banks is currently pumping at 7,100 cfs. The Delta is in Excess conditions with an outflow index of 10,800 cfs, inflow diversion of 44.3% (14-day average), with real-time demands controlling operations. Total Delta Inflow is 26,191 cfs with the San Joaquin River (SJR) at 4,742 cfs. Keswick is releasing 10,500 cfs, Nimbus is releasing 3,500 cfs, and Oroville is releasing 7,000 cfs.

Project Operations

Shasta storage is 3,702,000 AF (135% of 15-year average), Folsom is 802,000 AF (149% of 15-year average), and San Luis Reservoir (SLR) Federal storage is 739,000 AF (307% of 15-year average). Total SLR storage is 1,856,989 AF (90% full). The low point for CVP SLR storage is expected to be no lower the 700,000 AF by the end of August. Under average conditions SLR is projected to be full again by late 2017. The combined storage of the six key federal reservoirs is 9.6 MAF. Table 1 compares the six reservoirs by year.

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

DATE:			8/24/2017
RESERVOIR	15 YR AVG	June 2016	June 2017
SHASTA	2,733,000	3,240,000	3,702,000
NEW MELONES	1,340,000	549,000	2,062,000
TRINITY	1,586,000	1,087,000	1,919,000
FOLSOM	540,000	359,000	802,000
MILLERTON	265,000	274,000	440,000
SLR-FED	241,000	47,000	739,000
TOTAL	6,705,000	5,556,000	9,664,000

Ground Water Management Program

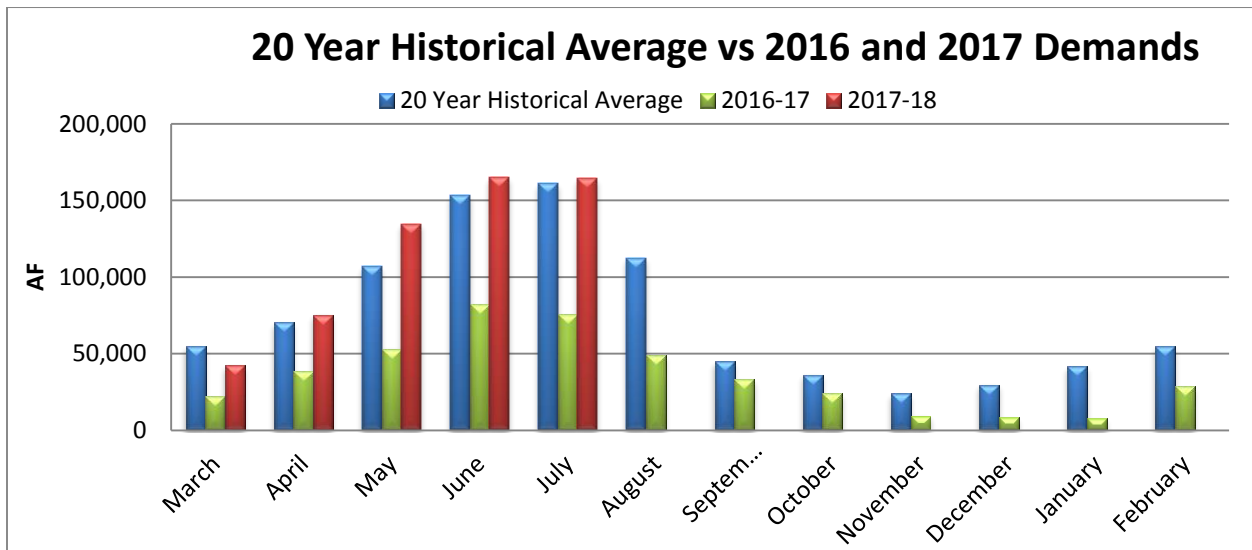
Wells enrolled in the Ground Water Management Program (GWMP) pumped 1,626 AF in July. The

estimated amount of August pumping is 1,500 AF. For Water Year 2017-18 the total forecast is less than 70,000 AF.

WWD Demands

The water use for July including groundwater was 164,363 AF, compared to 75,516 last year, and the twenty-year historical average of 161,000 for the month. The District’s San Luis Canal (SLC) average daily demands for surface water in July were 2,740 cfs, delivering 162,737 AF. August surface water daily demands have averaged 1,900 cfs. Figure 1, compares WWD monthly demands in 2017 with those of last year and the twenty-year average.

Figure 1: Historical Averages versus Current Demands



Water Quality

- Clifton Court (Jones): 177 uS/cm (104 mg/L TDS) with a pH of 7.8
- SLC Check 13 (O’Neill): 201 uS/cm (117 mg/L TDS) with a pH of 8.1
- SLC Check 21 (Kettleman): 248 uS/cm (143 mg/L TDS) with a pH of 8.2

Hydrology

The 2017 Northern Sierra Precipitation 8-Station Index is reporting 94.3” as of August 24, which is 188% of the water year average, and 192% of the seasonal average to date. The San Joaquin 5-Station Index is reporting 71.8”, which is 176% of the water year average, and 179% 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 for the state. The one-month forecast is calling for above normal temperatures and normal precipitation statewide.

Figure 2: North Sierra Precipitation: 8-Station Index, August 24

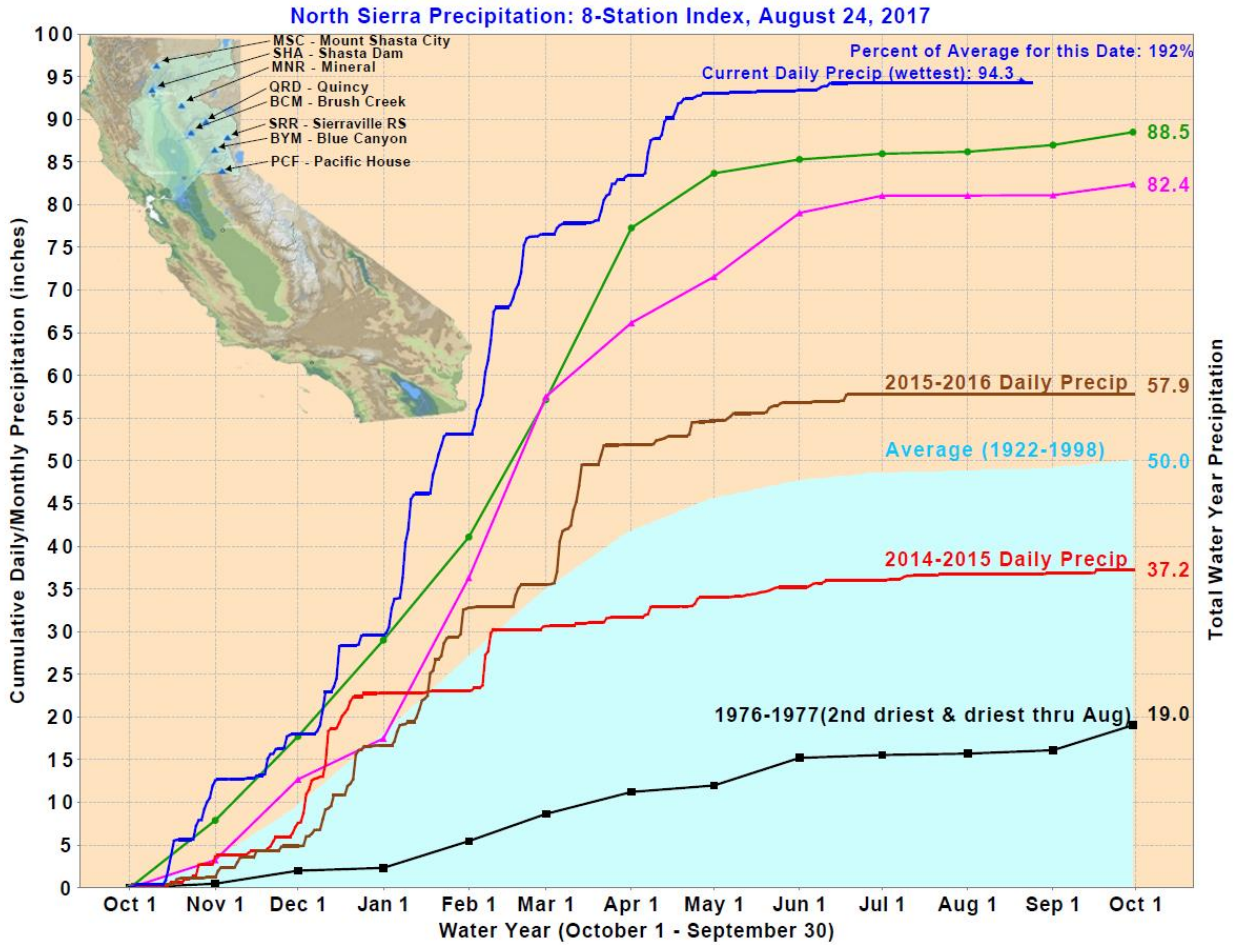


Figure 3: North Sierra California snow Water Content, July 20

