



Westlands Water District

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January 23, 2018 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.

2018-2019 Rescheduling Outlook

Reclamation established a Rescheduled Water cap of 150,000 AF. The cap will limit the District's share of Rescheduled Water into the 2018-2019 water contract year to about 100,000 AF. The District forecasts approximately 400,000 AF will be remaining in water users' accounts at the end of the current water year. Based on the District's current forecast, at least 300,000 AF would be lost. Losses are applied at the end of the Rescheduling Period, according to the District's Rescheduled Water Policy.

Delta Pumping Plant

Jones December pumping was 90% of capacity averaging 4,057 cfs. January is averaging 75% at 3,284 cfs. Banks averaged 4,200 cfs in December while SWP pumping was limited for lower X2 levels, has averaged 3,067 cfs through January 23, and is now limited to 2,900 cfs. To comply with the salmon BiOp the OMR limit is now controlling exports and the Projects will be sharing the available capacity. In addition, Reclamation is seeking flexibility under Section 4003 of the WIIN Act and to adjust OMR to -6,250 cfs so pumping can increase. The final decision to increase pumping has not been made and a request for a final decision by Reclamation has gone to the Interior Secretary in Washington D.C.

The Delta is in Excess conditions with an outflow index of 16,300 cfs, inflow diversion of 26.8% (14-day average), with OMR (-5,000) the controlling factor (absent WIIN act flexibility). Total Delta Inflow is 21,854 cfs with the San Joaquin River (SJR) at 2,285 cfs. Keswick is releasing 4,000 cfs, Nimbus is releasing 3,000 cfs, and Oroville is releasing 1,750 cfs.

Project Operations

Shasta storage is 3,295,000 AF (120% of 15-year average), Folsom is 580,000 AF (143% of 15-year average), and San Luis Reservoir (SLR) Federal storage full at 966,447 AF (150% of 15-year average). Total SLR storage is 1,714,510 AF (85% full). Under average conditions SLR is projected to be full by the end of February. The combined storage of the six key federal reservoirs is 8.94 MAF. Table 1 compares the six reservoirs by year.

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

DATE:			01/23/2018
RESERVOIR	15 YR AVG	January 2017	January 2018
SHASTA	2,755,000	3,711,000	3,295,000
NEW MELONES	1,367,000	933,000	1,983,000
TRINITY	1,472,000	1,427,000	1,752,000
FOLSOM	404,000	385,000	580,000
MILLERTON	289,000	362,000	363,000
SLR-FED	645,000	609,000	966,000
TOTAL	6,932,000	7,427,000	8,939,000

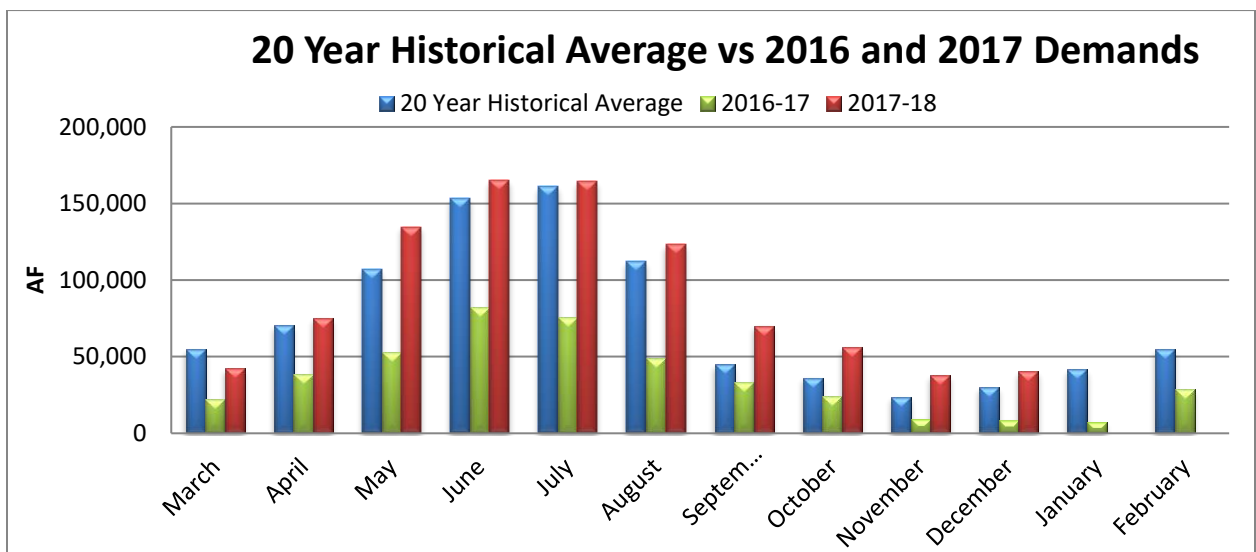
Ground Water Management Program

Wells enrolled in the Ground Water Management Program (GWMP) pumped 376 AF in December. The estimated amount of January pumping is 300 AF. For Water Year 2017-18 the total forecast is less than 70,000 AF.

WWD Demands

The water use for December including groundwater was 40,096 AF, compared to 8,234 last year, and the twenty-year historical average of 29,000 for the month. The District's San Luis Canal (SLC) average daily demands for surface water in December were 670 cfs. January surface water daily demands are averaging 600 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



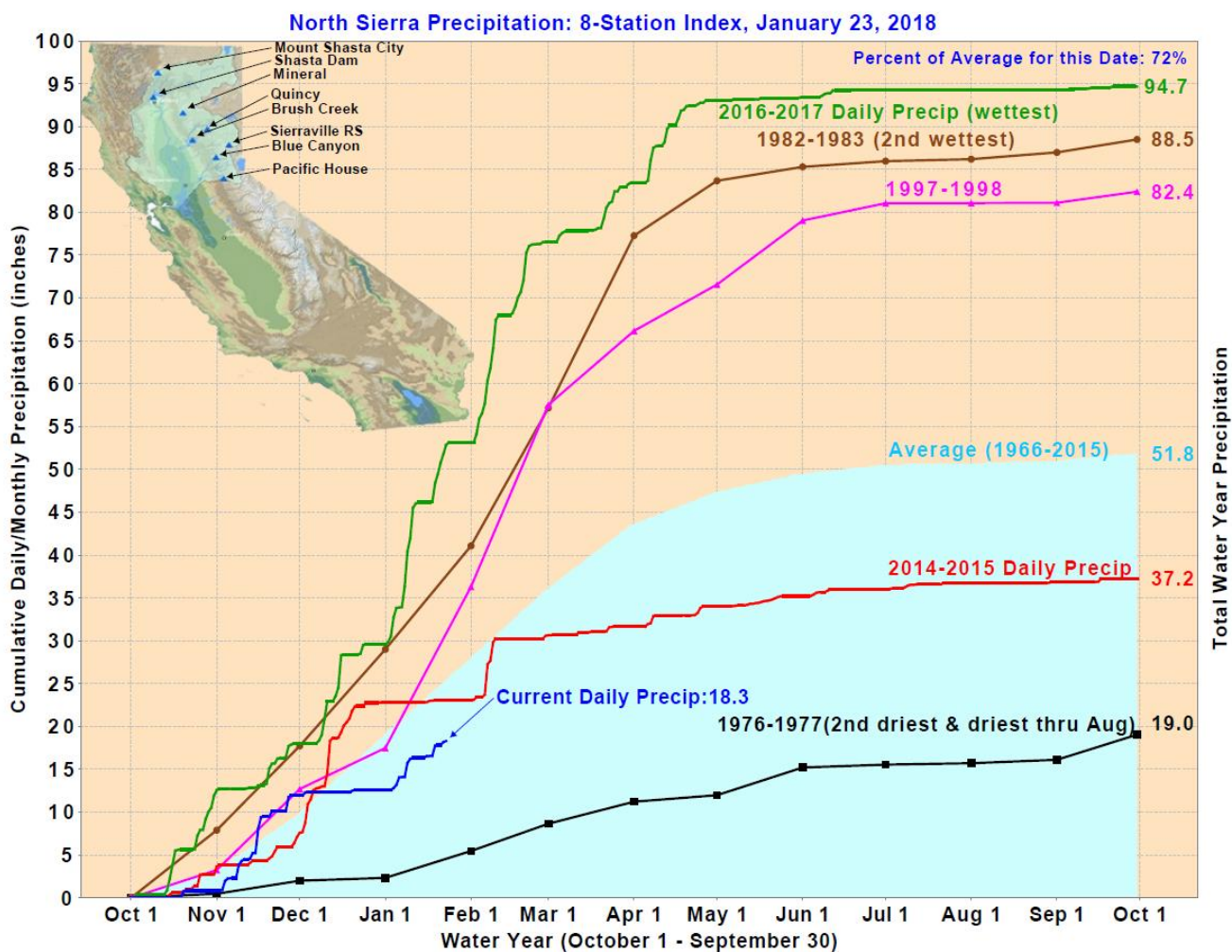
Water Quality

- Clifton Court (Jones): 547 uS/cm (310 mg/L TDS) with a pH of 7.8
- SLC Check 13 (O'Neill): 481 uS/cm (274 mg/L TDS) with a pH of 7.8
- SLC Check 21 (Kettleman): 519 uS/cm (295 mg/L TDS) with a pH of 7.7

Hydrology

The 2018 Northern Sierra Precipitation 8-Station Index is reporting 18.3" as of January 23, which is 35% of the water year average, and 72% of the seasonal average to date. The San Joaquin 5-Station Index is reporting 8.6", which is 21% of the water year average, and 46% of seasonal average to date.

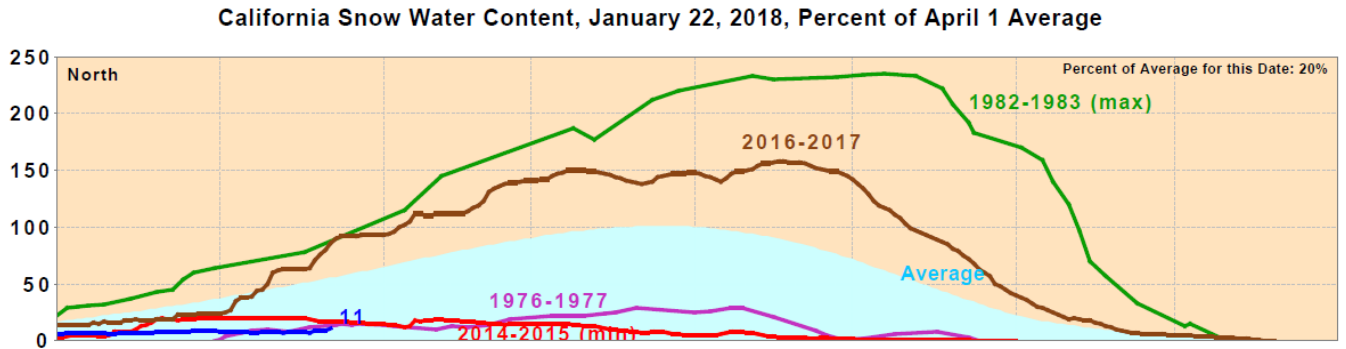
Figure 2: North Sierra Precipitation: 8-Station Index, January 23



The Snow water equivalents report as of January 22 is reporting:

- NORTH 3" at 11% of April 1 average and 20% of normal Year to Date (YTD)
- CENTRAL 4" at 14% of April 1 average and 26% of normal YTD
- SOUTH 3" at 10% of April 1 average and 20% of normal YTD

Statewide summary is 4" at 12% of April 1 average and 23% of normal YTD.



The National Weather Service Climate Prediction Center 14-day outlook and is calling for normal temperatures and below normal precipitation for most of the state. The one-month forecast is calling for normal temperatures and precipitation statewide.