



Westlands Water District

MEMORANDUM

TO: SLDMWA BOARD OF DIRECTORS
FROM: TOM BOARDMAN, WATER RESOURCES ENGINEER
SUBJECT: FEBRUARY OPERATIONS UPDATE
DATE: FEBRUARY 3, 2023

Project Operations

- Total exports are 9,200 cfs with the Jones and Banks Pumping Plants operating at 4,200 cfs and 5,000 cfs, respectively. Banks pumping has been constrained by a 2019 Biological Opinion requirement that is limiting reverse flow to 5,000 cfs in Old and Middle Rivers (OMR). Wet conditions in January triggered the February Delta outflow requirement per D-1641 to be about three times higher than usual at 29,000 cfs. As such, Jones pumping will be reduced to 2 units (1,800 cfs) on February 6 to minimize reservoir releases while Delta inflow declines.
- Reclamation states the accounting balance under the Coordinated Operations Agreement (COA) is nearly balanced except for an additional 59 TAF SWP debt related to the release of New Melones water last year to meet part of the SWP's share of Delta requirements. The SWP is expected to payback the owed CVP water soon as Oroville storage has been rapidly improving.
- Shasta storage is at 2,573 TAF – 97% of average. Storage increased by more than 1,000 TAF in January with an average daily storage gain of 33 TAF. Dry conditions during the past week have reduced the daily storage gain to about 3-4 TAF. With snowpack at 171% for this date and 106% of the April 1 average, Shasta could refill to at least 3,800 TAF under median conditions.
- Accumulated unimpaired inflow to Shasta is about 1.722 MAF. The projected total unimpaired flow into Shasta needs to reach at least 4 MAF by September 30, 2023 in order to avoid a Shasta critical year. Based on remote sensor data only, Reclamation estimated the projected unimpaired inflow to be near the 4 MAF threshold. However, DWR's recent first snow survey for this year is showing the snowpack to be higher than what is reflected by remote sensors. The results of DWR's snow survey, Bulletin 120, will be posted about February 8.
- Folsom storage is 500 TAF, 115% of average. Reservoir releases are 4,000 cfs – down from 16,000 cfs two weeks ago. Accumulated snowpack in the water shed is 203% for this date and 128% of the April 1 average.
- Mendota Pool took in 61 TAF of flood releases from Millerton during January. Due to low demands only 6 TAF was diverted out of the Pool leaving 55 TAF to reenter the San Joaquin River as inflow to the Delta.

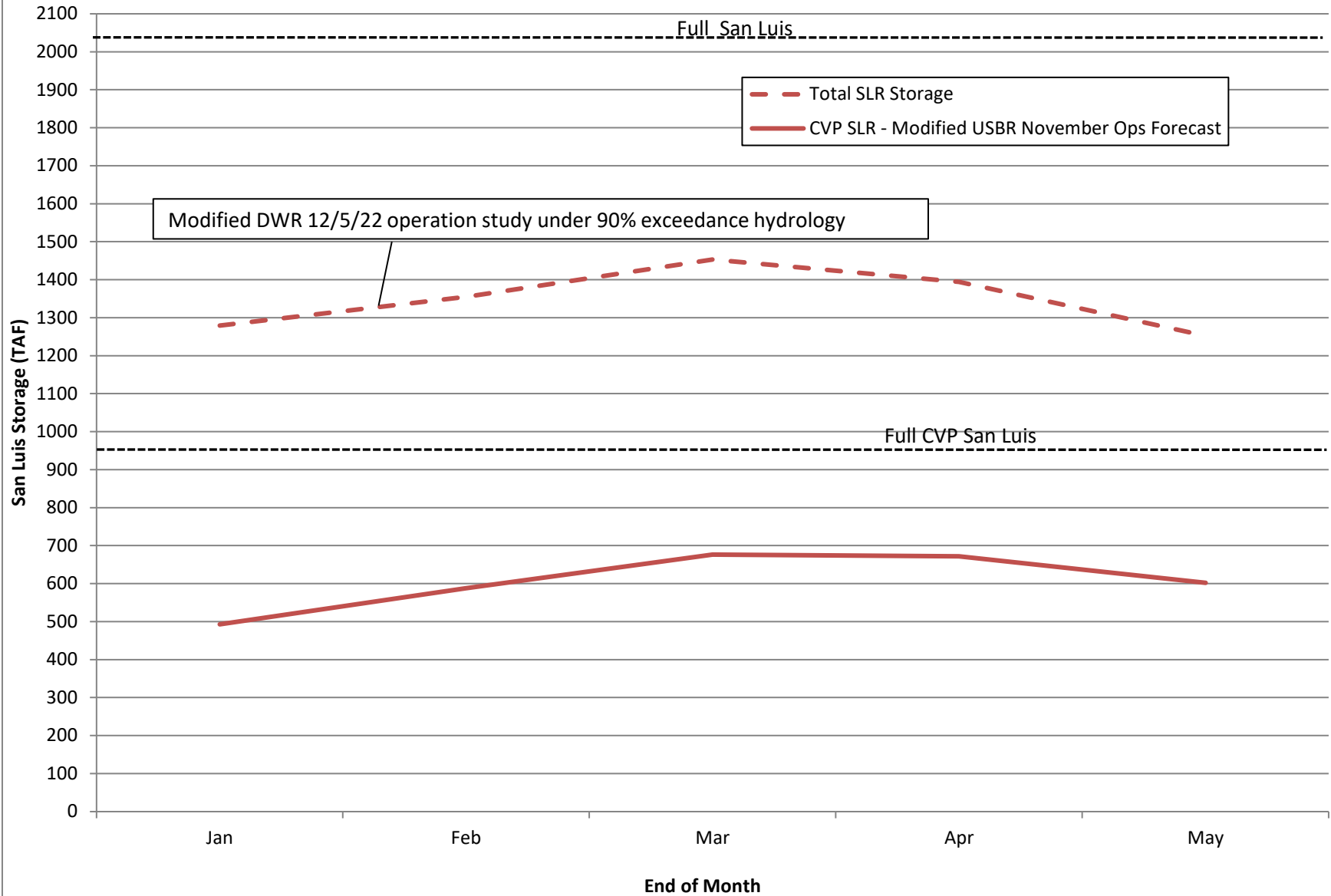
- Accumulated precipitation in the Sacramento Valley during January was 177% of the monthly average at 16.1 inches. The Sacramento 8 station index is 136% of average at 37.5 inches. The San Joaquin 5 station index is 169% of average at 33.7 inches
- CVP demands for January were about 15% of the 15-year average.

2022-23 San Luis Reservoir Operations

The CVP share of water stored in San Luis Reservoir (SLR) increased by 230 TAF during January, to 505 TAF. Increased pumping and sustained low demands are resulting in a daily storage gain of about 7-8 TAF. CVP SLR is projected to refill to 680-800 TAF under dry and median conditions, respectively

2022-23 San Luis Storage Projection

90% Exceedance Hydrology



2022-23 San Luis Storage Projection

50% Exceedance Hydrology

