



MEMORANDUM

TO: FRANCES MIZUNO, INTERIM EXECUTIVE DIRECTOR

FROM: TOM BOARDMAN, WATER RESOURCES ENGINEER

SUBJECT: DECEMBER PROJECT OPERATIONS UPDATE

DATE: NOVEMBER 30, 2018

Project Operations

- Jones pumped at about 1800 cfs during the latter half of November due to reductions in upstream releases and a controlling delta outflow requirement. As water quality in the delta improves with the help of additional delta inflow from the recent storms, CVP exports will increase to 3500 cfs today followed by another increase to 4200 cfs on Sunday.
- Banks pumping averaged about 1,500 cfs during November. Current pumping is about 1,000 cfs, but is scheduled to increase when DWR completes its switchyard maintenance work later this week.
- The SWP COA debt to the CVP is about 110 TAF; a decrease of 50 TAF since November 1. SWP payback is expected to continue into December unless continuing wet conditions prompt a COA accounting suspension due to excess conditions being declared in the delta.
- With continued storms, Shasta may have reached its low point for the fall at 2.142 MAF on November 20th. Current storage and releases are at 2.157 MAF and 4,350 cfs. Reclamation's estimate for Shasta refill next spring is 2.8 MAF and 4.3 MAF under 90% and 50% exceedance conditions, respectively.
- Folsom storage is at 334 TAF or about 91% of its 15-year average. The recent storms were enough to slow but not stop the drawdown of the reservoir. The current release of 1,800 cfs is to improve fall-run salmon spawning and to help meet delta requirements.
- CVP demands were about 80 TAF during November which is about the 15 year average.

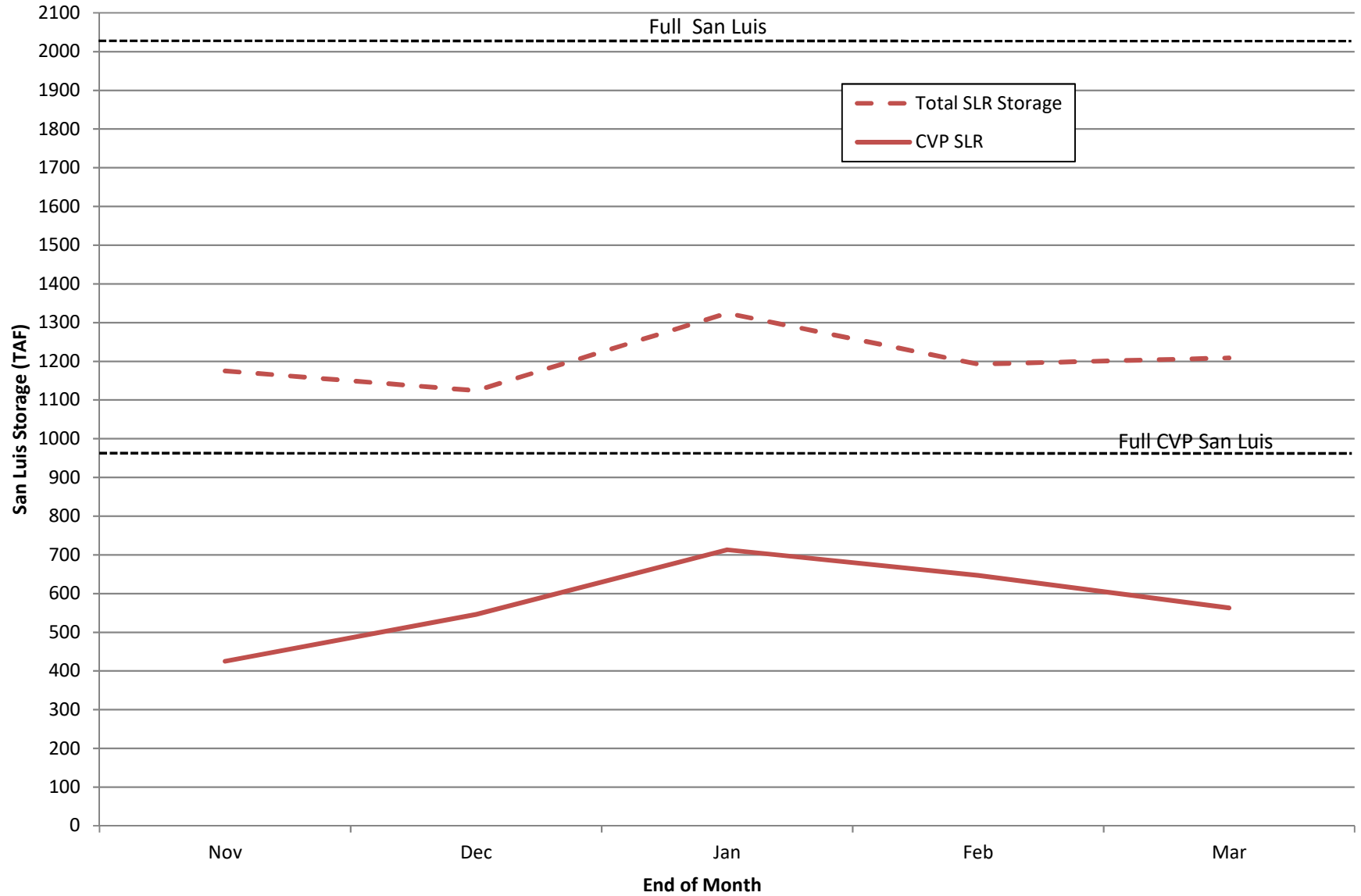
2018/19 San Luis Operations and Allocation Projection

Although demands were near average for November, below normal export rates slowed the refill effort for CVP San Luis. Current storage is 425 TAF; the 4th lowest storage for this date during the pre-drought period of 2000-2013. As shown on the attached updated San Luis projection charts, CVP San Luis will fall short of filling by 250 TAF under dry conditions and is expected to fill under normal hydrology, but not until late March.

The CVP San Luis refill has lagged from expectations; enough that the low end of the Ag allocation range has slipped from 25% to 15%. As such, the Ag allocation is expected to be 15%-45% with the upper end of the range likely under normal hydrology. The allocation could exceed 50% if the San Joaquin basin hydrology is above average by late spring.

2018/2019 San Luis Storage Projection

90% Exceedance Hydrology



2018/2019 San Luis Storage Projection

50% Exceedance Hydrology

