

North San Joaquin Water Conservation District
Weekly Update
Saturday April 13, 2024



Tracy Lake with 70 acre feet.
Photo courtesy of KBAir (Keith Bussman Airlines)

Recharge Operations Dashboard: Important to note that the North System projects were brought online over time starting January 22. The North System recharge would be closer to 500 AF **per month** at current capacity.

North System Recharge:	610 AF
Tracy Lakes Recharge:	67 AF
South System Recharge:	382 AF approx.*
CalFed Recharge:	530 AF approx

Operations Update: Slow season for operations with only Tecklenberg Basin in operation. We added three-acre feet to Tracy Lake but as discussed below are having mechanical problems with the fish screen that need to be resolved before we add more gearing up for irrigation season. Franzia staff reported concerns with their pump station and will advise once they have inspected. The South System number above has not been updated since March 17 and was not available at press time.

Tracy Lake Fish Screen and Pump Station Issues: The fish screen at Tracy Lake is partially covered in sand preventing the brushes from operation. Staff will be submitting a notice to Fish and Wildlife on several options for removing the sand. While inspecting the screen, the District Engineer collapsed in a sand sink hole. Fortunately, he was not injured! Staff met Arnaudo on site Friday who expects the Corrugated Metal Pipeline between the screen and the well has a significant leak or a collapse. We secured an estimate for a diver to inspect the pipe and recommend a remedy. If it can't be repaired from the inside it could be a significant expense to sheet pile and dewater the pipeline alignment to perform the repair from above ground. The estimate for a dive team to dredge the screen and diagnose

the supply pipe concerns comes pretty close to \$30,000. Staff is exploring more cost effective options for the fish screen but see no option to avoid the pump station inspection.



The District Engineer Left his mark at Tracy Lake

Dry Well Mitigation Program: District Staff presented the Final Draft Dry Well Mitigation Program to the EWA Steering Committee on Wednesday. The Steering Committee gave its seal of approval and

passed it along with a recommendation that the EWA Board adopt it. It will now go through a public review process before final adoption

MICUP: Staff and the District Hydrologist had several meetings with GEI to lay out District Project concepts to take MICUP water. The major concepts are 1) Converting the Districts 1047 Permit to irrigation use over time and using flood season capacity for recharge; 2) Upgrading the currently planned CalFed, North System and South System capacity by 50 percent to dedicate the addition to Recharge; 3) Adding or contracting with existing riparian pump owners to add several small floodMAR systems along the river

CalFed Fish Screen Issues: The Cal Fed Fish Screen is also out of commission. Staff met out there last week and while the hydraulic pump is coming on, it is not making pressure. The ISI rep will come out but expects it to be a minor repair.

North System Phase 1B Progress: The Phase 1B work is proceeding apace. It has been slowed by late spring rains but the old cast in place line is now fully removed. Arnaudo is hoping to begin work on the pipe installation in two weeks but is delayed by supply chain issues for the two most critical parts needed to begin...the collar that will connect to the steel pipe on Tretheway and the collar that will connect to the new box on Acampo Road. Kudos to Arnaudo's staff for pumping out the vineyard approach so Lakso could sulphur his vineyards before they were irreparably damaged.



Harney Lane Crossing: With a brief warm and dry spell last week Arnaudo was able to do the final compaction, grinding and repaving of the Harney Lane South System crossing. As expected the wet winter caused the crossing to sag.

Cleanup: Dominick Borra and Richard Rodriguez will be out as soon as conditions allow to disc the Miller and Reynolds Properties. SEWD did a fine job with weed control at Tecklenberg Basin and Vector Control is happy.