

Salinas Basin Water Alliance Alternative Project

The Alliance alternative project consists of two recreations of the existing Castroville Seawater Intrusion Project (CSIP)—titled CSIP2 and CSIP3 for this description. CSIP2 would be between existing CSIP and the City of Salinas, occupying essentially the same footprint of the previously studied NSIP. CSIP3 would be between the City of Salinas and Chualar, but on the east side of Highway 101. Precise locations and acreages are being adjusted during the modeling process in order to optimize. A series of well fields between Gonzales and the Somavia Road area would provide water to CSIP2 and 3. A potential permutation of this concept would add a rubber dam on the bend in the river in the Somavia Road area in order to heighten water elevation in the river between that spot and Chualar so as to improve percolation and the potential of extraction in that area for the project. Another potential permutation would be moving some amount of the City of Salinas' municipal pumping south of town if that modification can be navigated and models beneficially. This overall project concept seeks to use known infrastructure and avoid significant water treatment and injection.

These circled locations for CSIP2 and CSIP3 are not precise, but just conceptual. Modeling will tinker with optimal locations as necessary. Note that this project concept depends on changing the seawater intrusion minimum threshold goal from 2017 to 2030/2035 or other. This approach intends to deal with the SMC issues of seawater intrusion in the 180/400 and groundwater levels in the Eastside. Also, CSIP2's location will replace a majority of ag Deep Aquifer pumping. The proposed well fields between Gonzales and Somavia will need to be analyzed re: effect on gw levels in overall area etc. We will attempt to also model a permutation that includes a rubber dam on the river in the Somavia area to see how that affects percolation, recharge etc.

Salinas municipal pumping possibly moved to south?

**Proposed CSIP3
10-15,000 acres?**

Existing CSIP
12,000 acres

Proposed CSIP2
20,000 acres?

CSIP2 & 3 fed by series of well fields between Gonzales and Somavia