



**Presentation and
Discussion Item 10**

Orange County Water District

Presentation to MESA Water
March 12, 2025



Topics

1. FY25-26 Proposed Budget
2. Talbert Seawater Barrier
3. Groundwater Basin Conditions
4. Sunset Gap
5. Extension of South Orange County Emergency Services Agreement



1. FY25-26 Proposed Budget

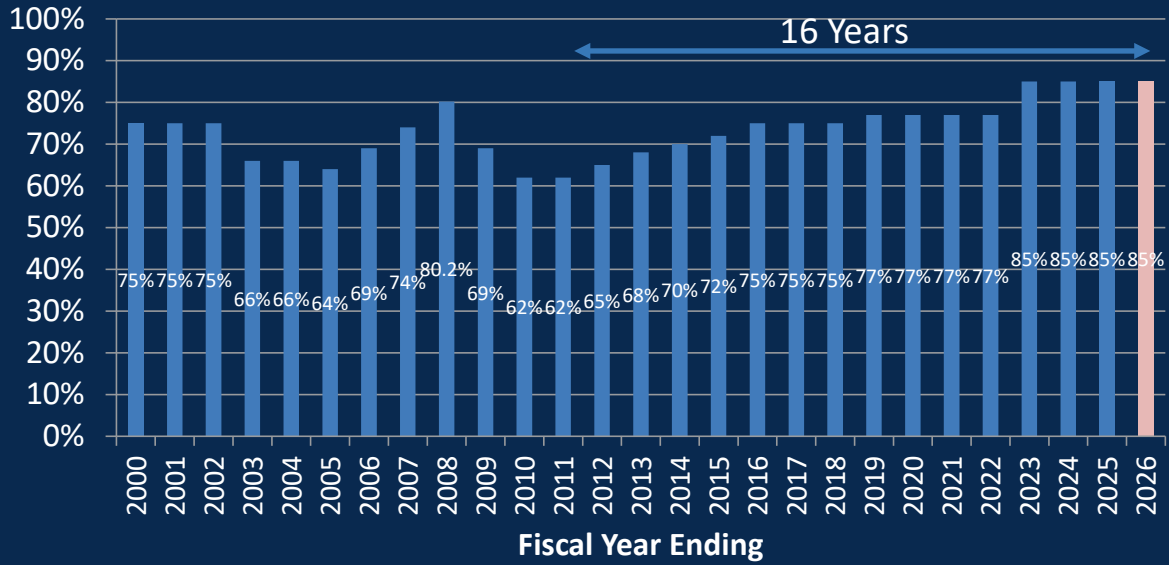


FY25-26 Budget Recommendations

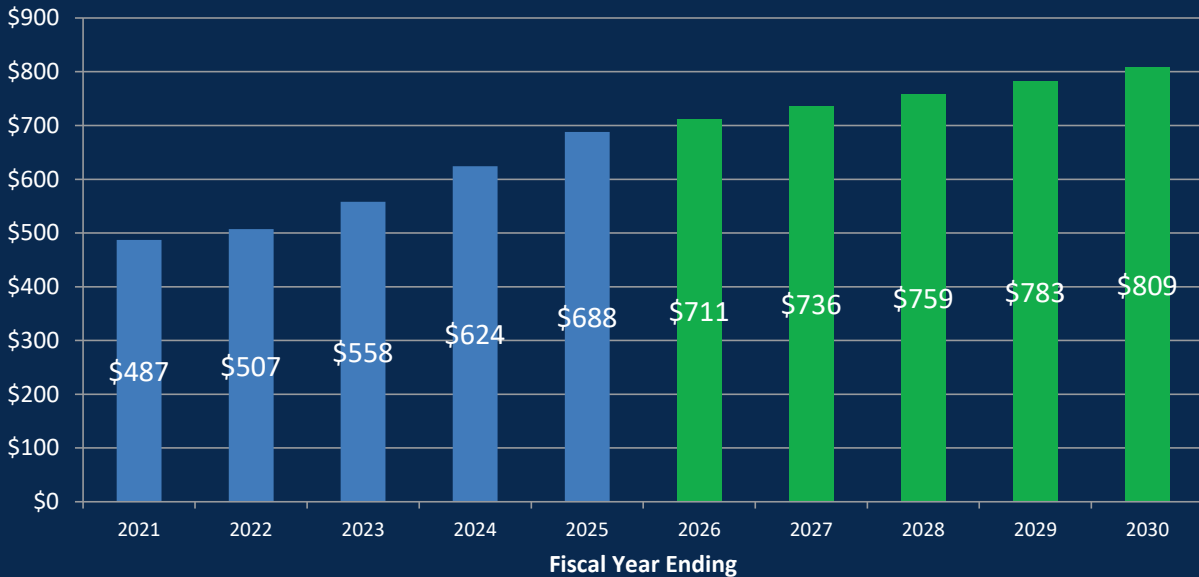
- Maintain the Basin Production Percentage at 85%
- Increase Replenishment Assessment from \$688/af to \$711/af
- 5,000 af of MWD untreated water purchases
- Reduce groundwater basin accumulated overdraft by ~21,000 acre-feet with average hydrology



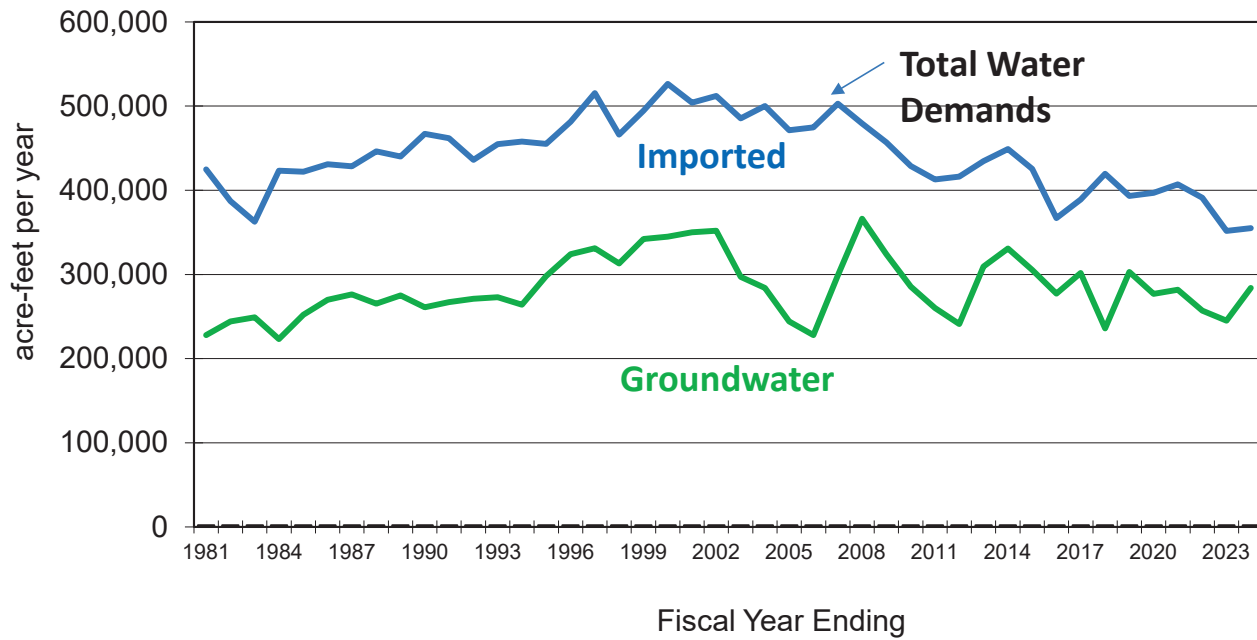
Historical Basin Production Percentage



Recent OCWD Replenishment Assessment and Five Year Projection (\$/af)



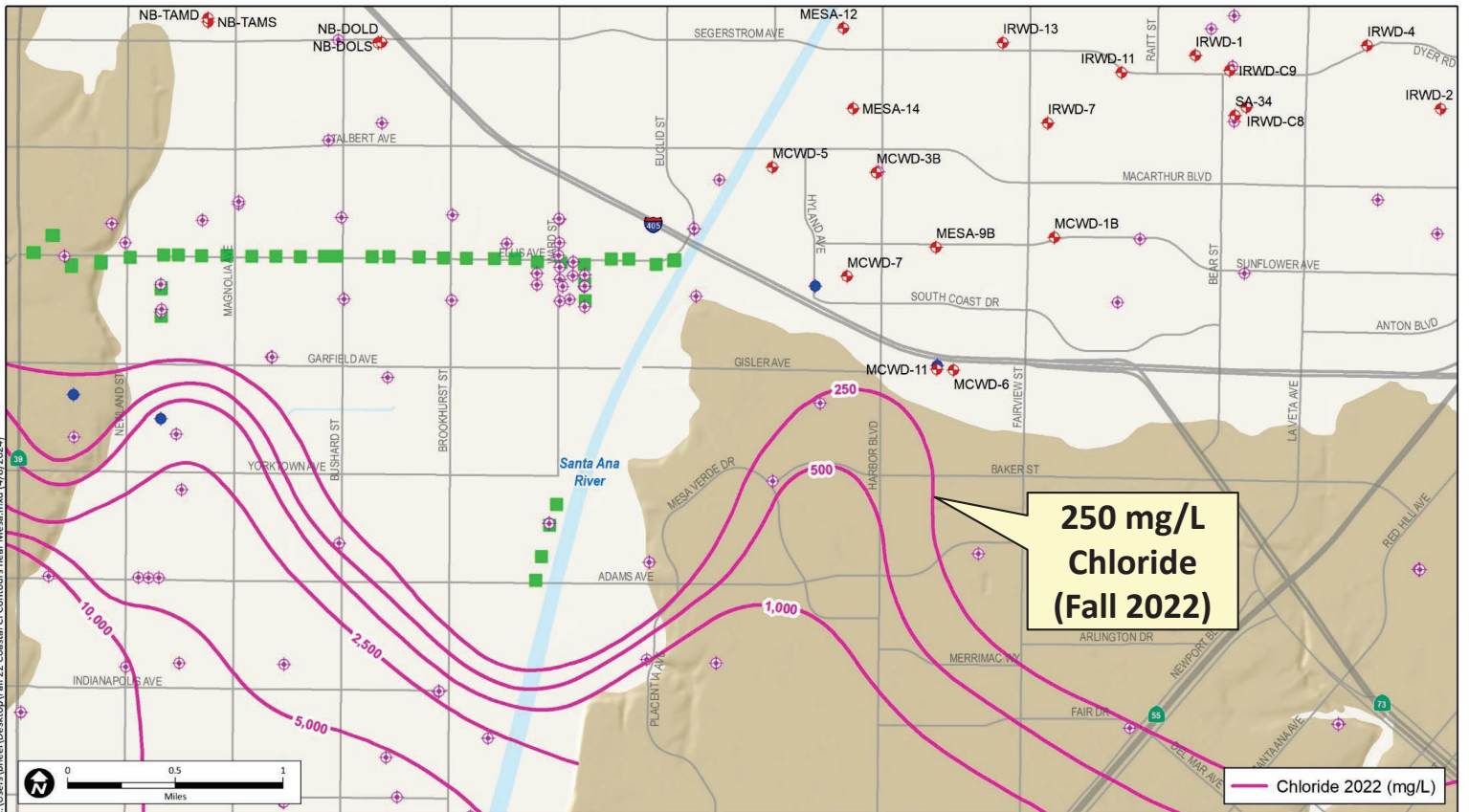
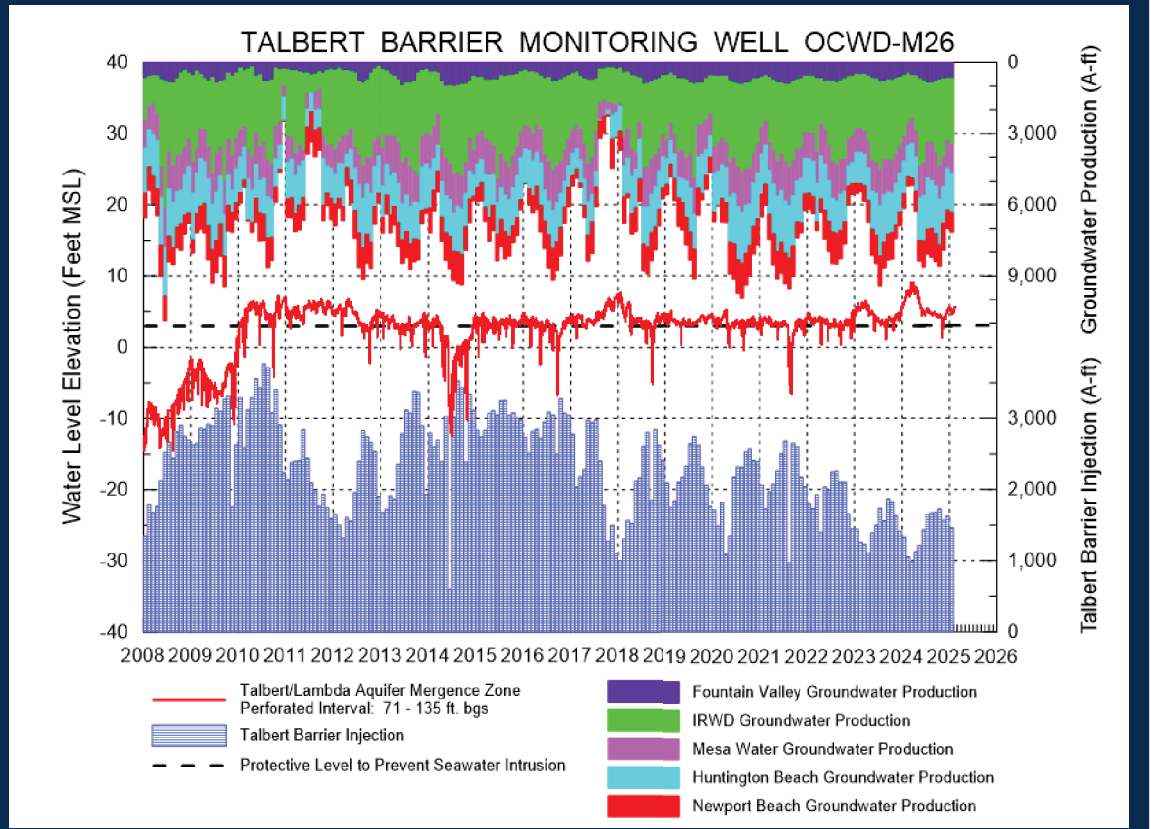
OCWD 19 Producers Historical Total Water Demands and Groundwater Production



2. Talbert Seawater Barrier



- Maintaining Protective Water Levels
- Currently injecting 12-15 mgd



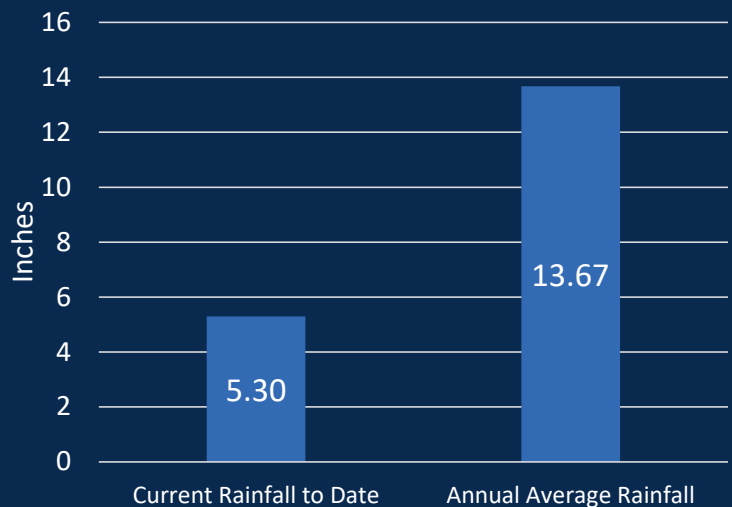


3. Groundwater Basin Conditions



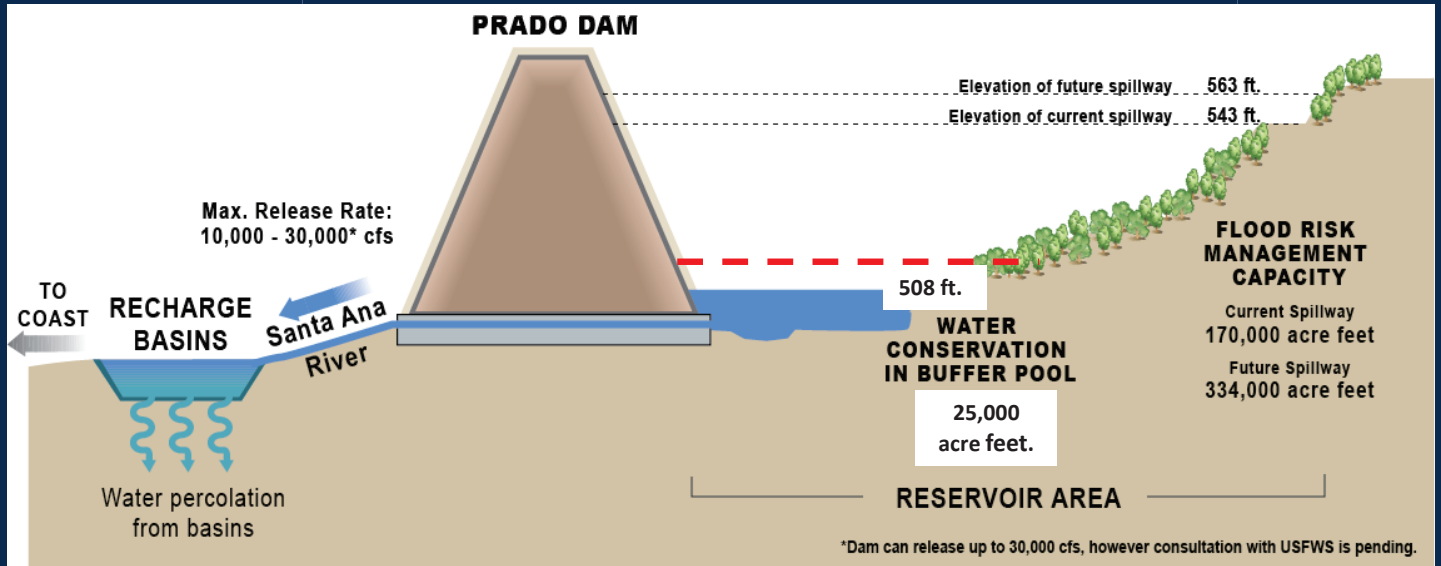
OCWD Anaheim Field Headquarters Rain Gage

As of March 9, 2025

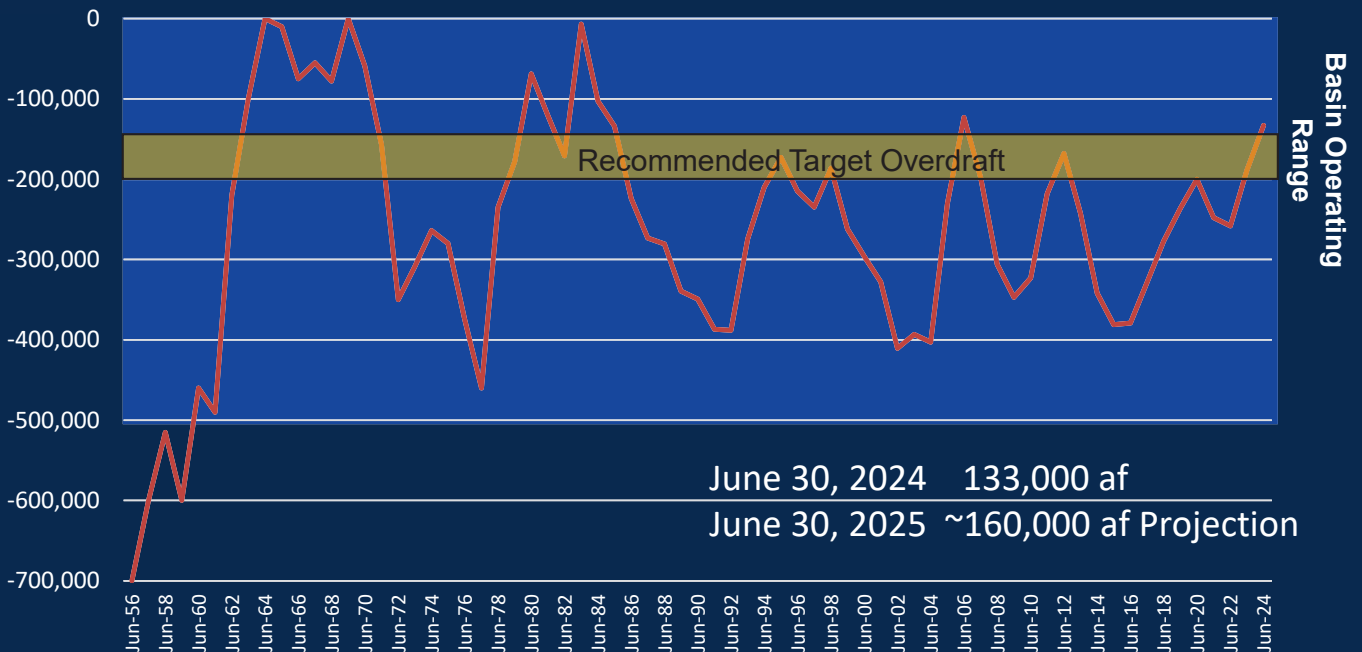




Prado Dam Water Conservation Program



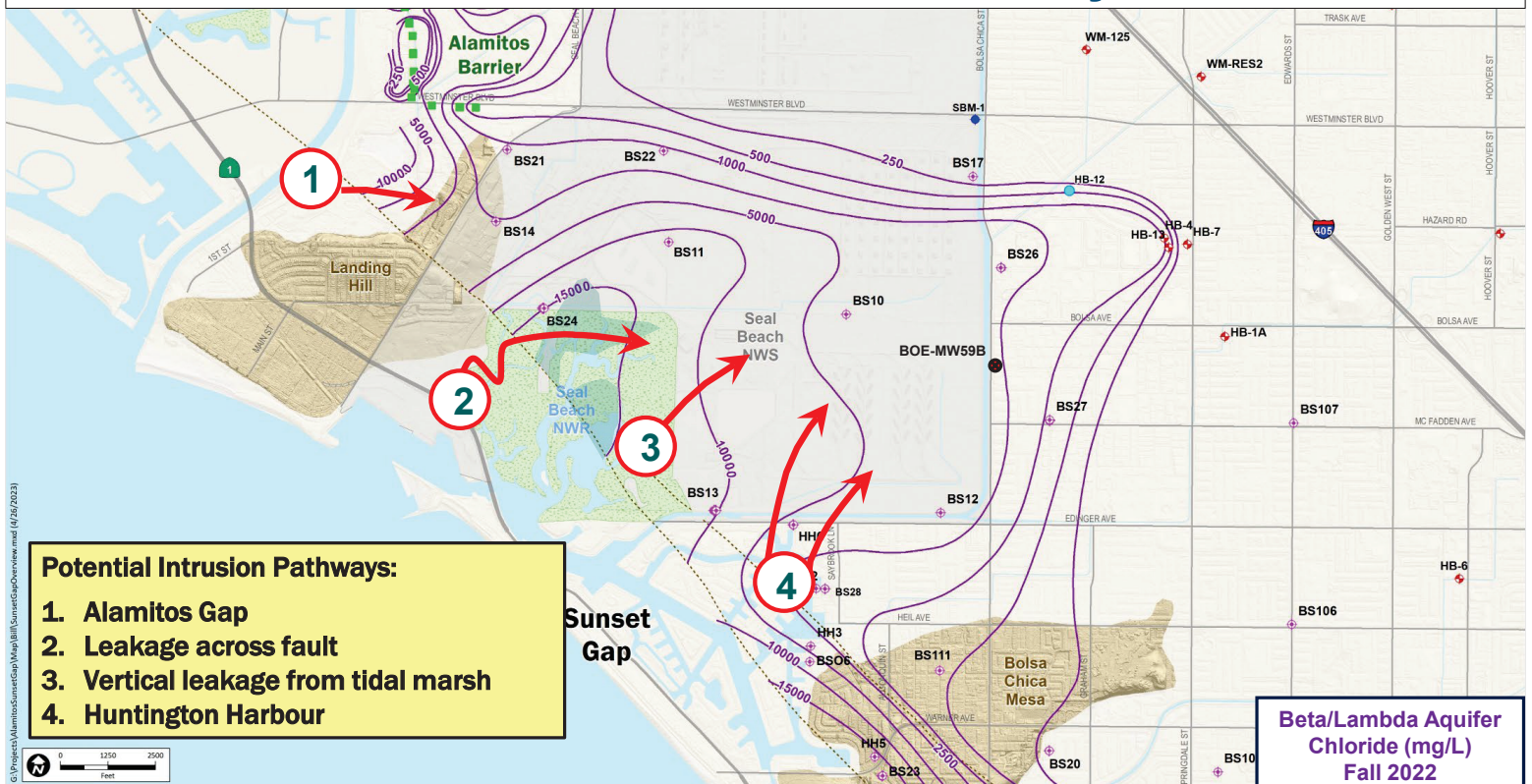
OCWD Groundwater Basin Accumulated Overdraft

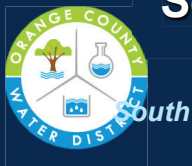




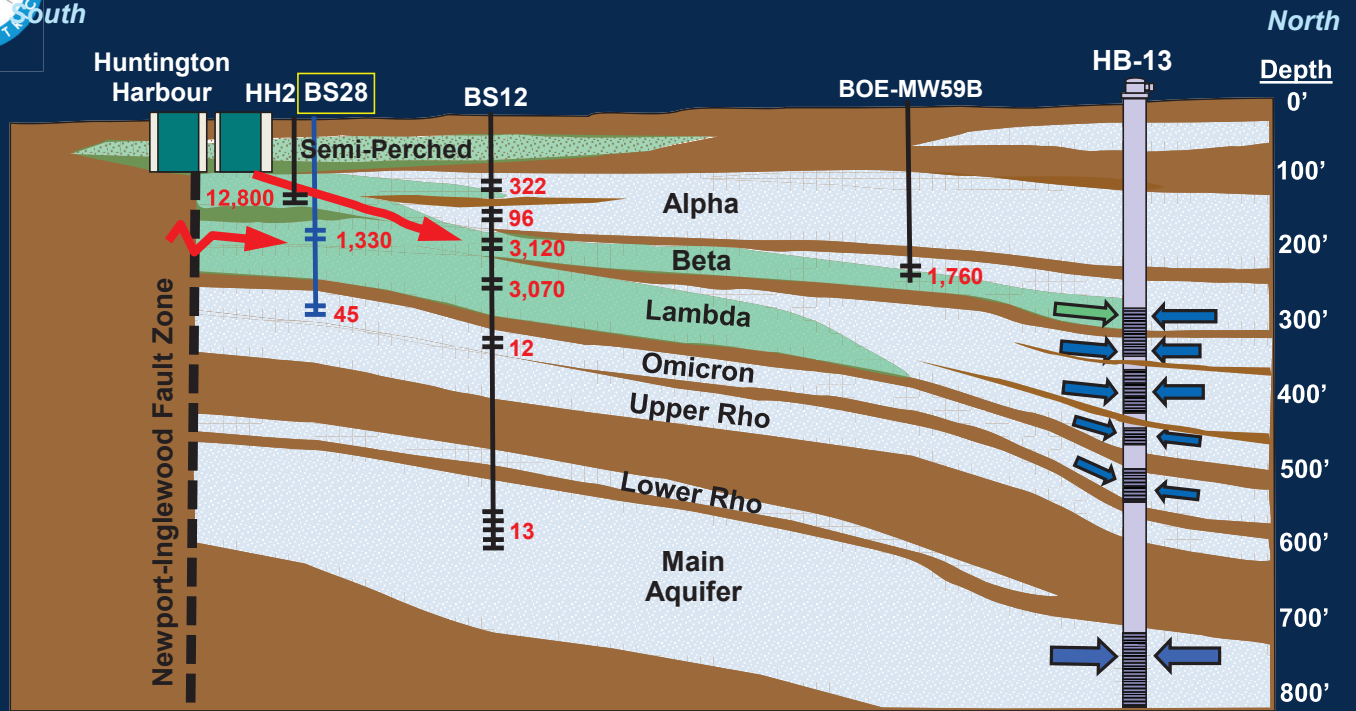
4. Sunset GAP

Seawater Intrusion Pathways



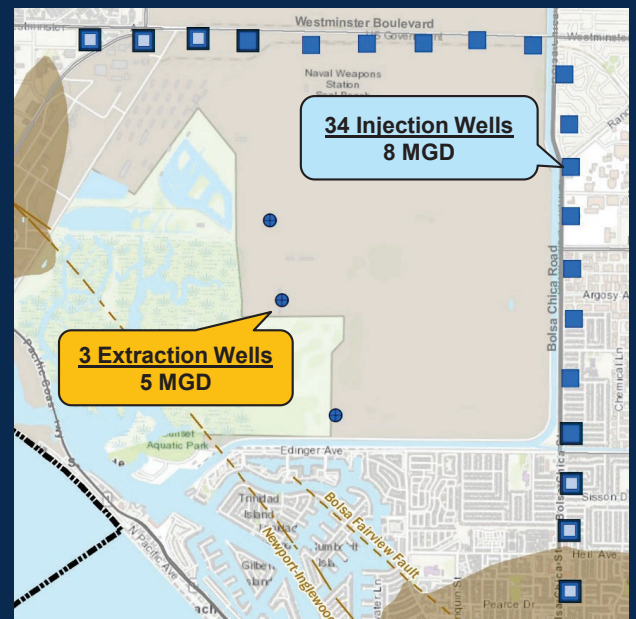


Seawater is intruding inland towards Huntington Beach production wells primarily in the Beta Aquifer



Feasibility Study Scope of Work

- Evaluate injection water supply
 - GWRs
 - Imported water
 - Deep aquifer groundwater
 - MWD's Carson plant
 - Brackish groundwater
- Extraction well siting and groundwater discharge
 - Injection water supply
 - Sewer
 - Surface waters
- Injection barrier alignment
- Project concept, 10% design and cost estimate
- Feasibility Study report
- Test well implementation plan





5. Extension of South Orange County Emergency Service Program Agreement



SOC Emergency Service Program

- 2006 cooperative agreement between OCWD, MWDOC, and South Orange County Agencies.
- Developed to address short-term emergency outages and planned shutdowns on MET system.
 - 50 cfs for up to 30 days – approximately 3,000 af
- Water sent to SOC via IRWD system
- Has been used 5-6 times
- No \$ to OCWD
- Expires 2033 - Decision to extend, amend, or terminate – December 2029



Questions