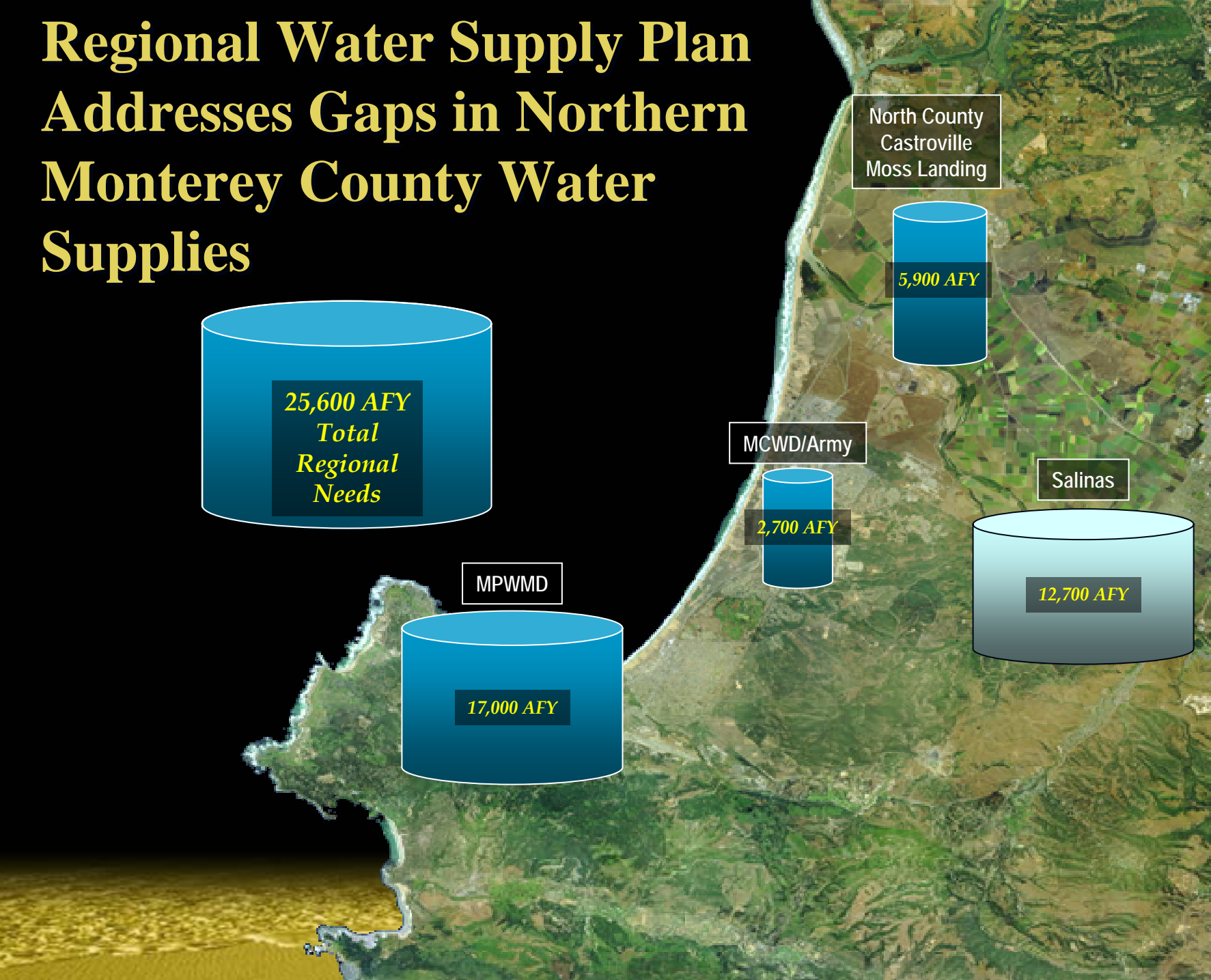
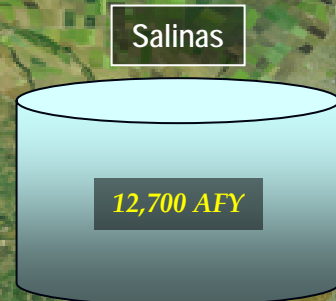
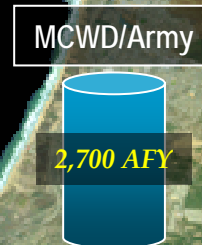
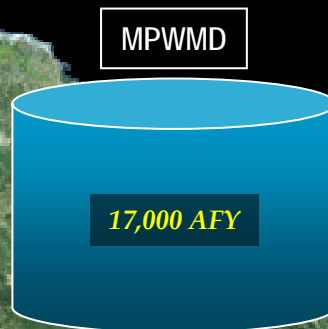


Water for Monterey County

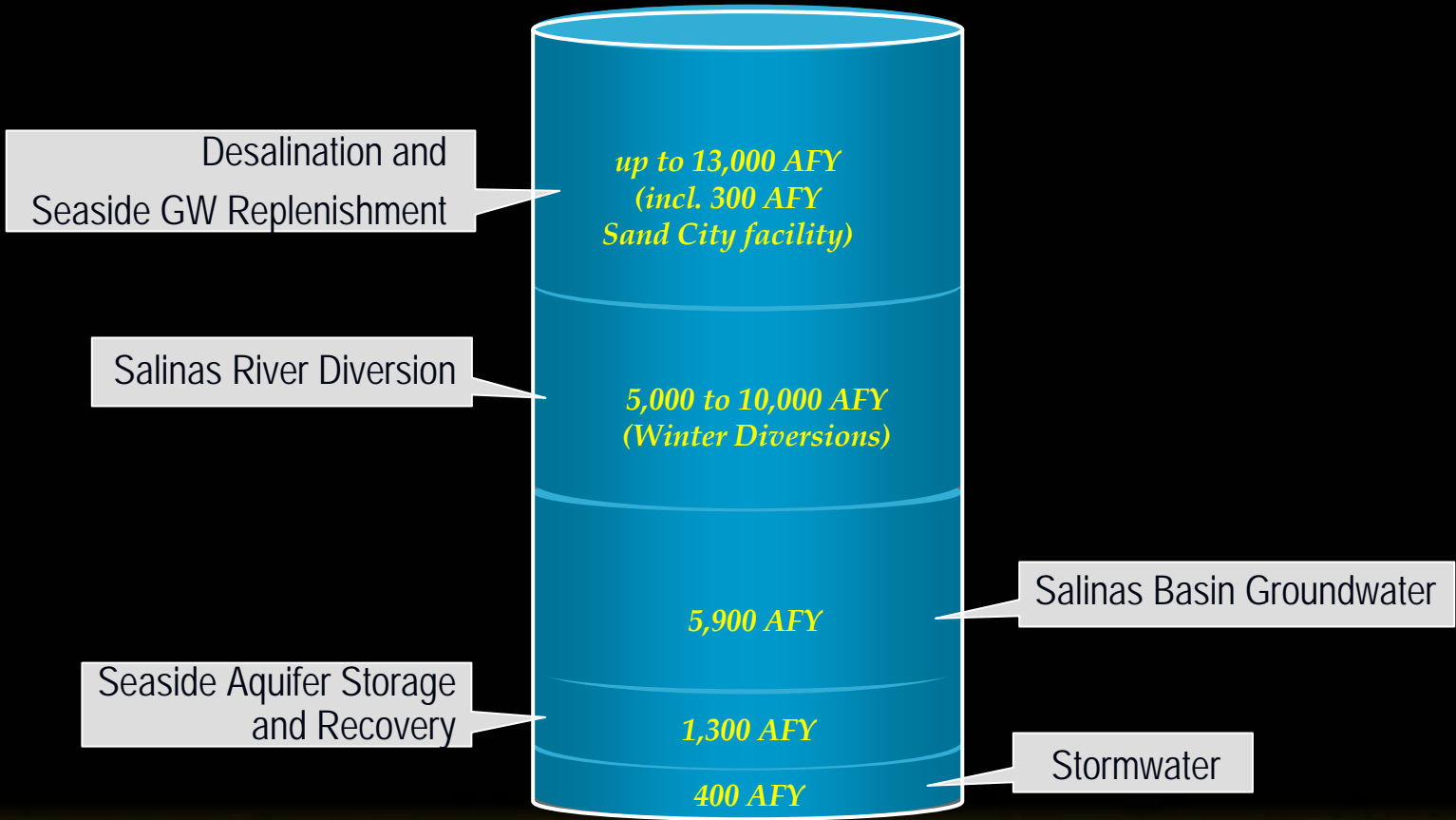
July 2008



Regional Water Supply Plan Addresses Gaps in Northern Monterey County Water Supplies



Recommended Program Provides Diverse Set of Supplies, Increasing Reliability and Sustainability

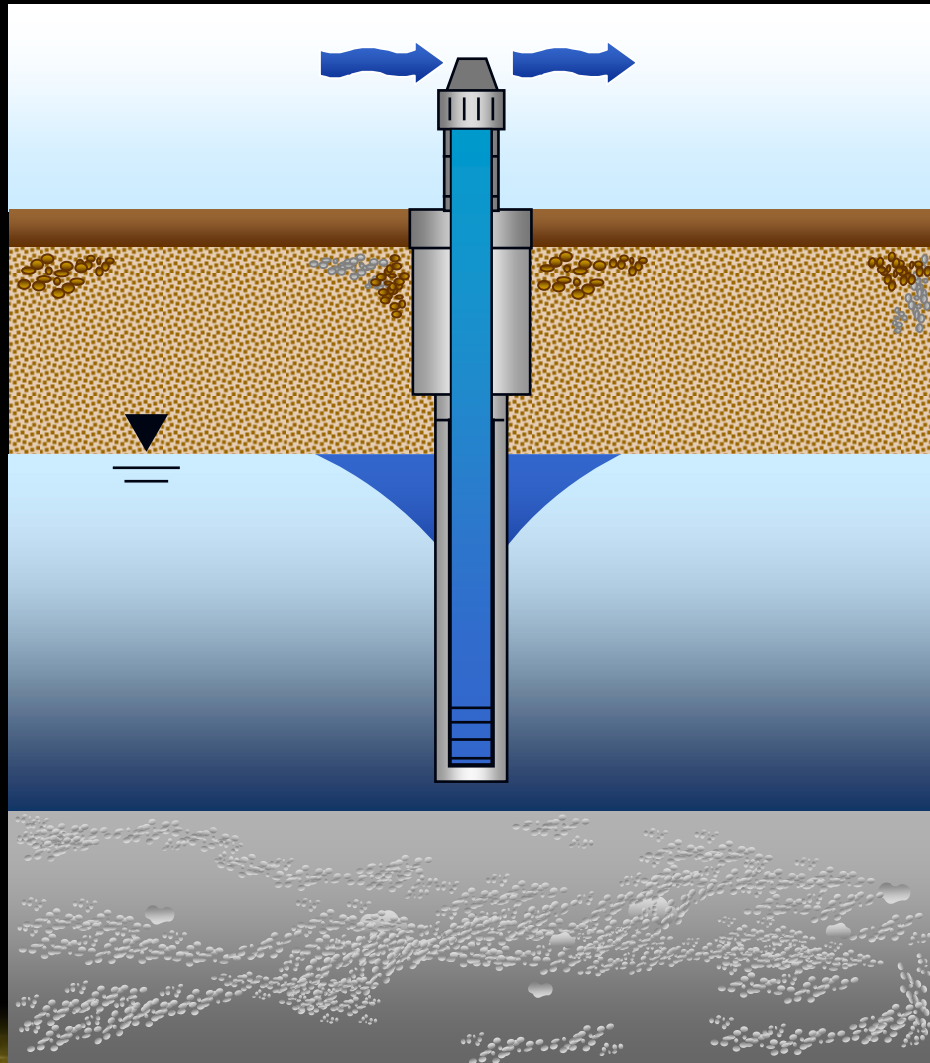


Conservation of 1,000 AFY included as demand reduction

First Priority is Make Highest Use of Available Recycled Water Supplies



Recycled Water Storage Allows Use of Water now Discharged to Monterey Bay



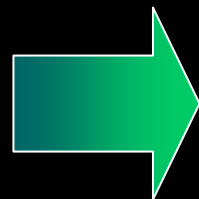
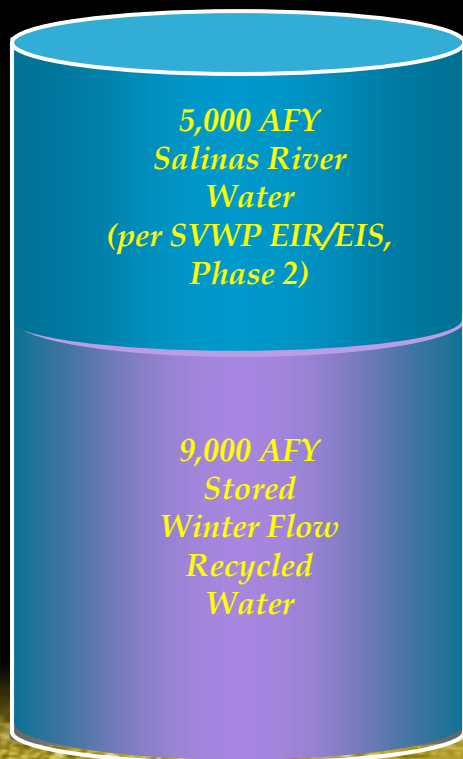
Recycled Water
Stored in
"A" aquifer
Under
Armstrong Ranch

Clay Layer
provides seal above
180-foot aquifer

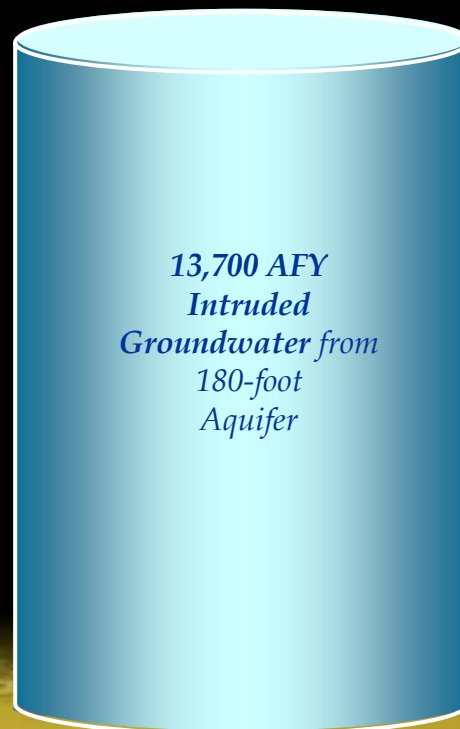


Expanded Use of Recycled Water Reduces Groundwater Pumping as Prerequisite for Use of Intruded Aquifer

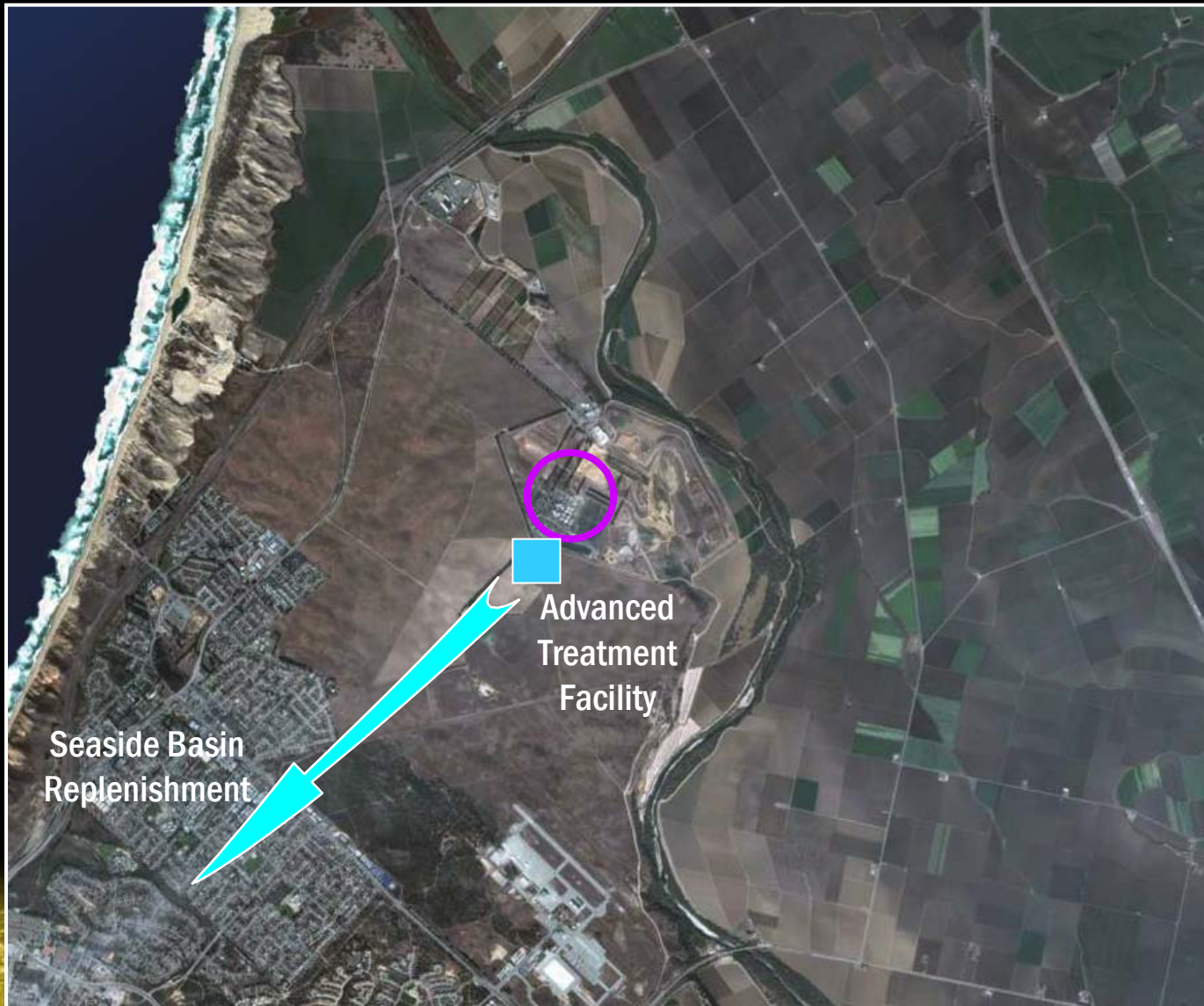
Expanded Agricultural Deliveries To Reduce Groundwater Pumping



Intruded Groundwater Supply to Desalination Facility



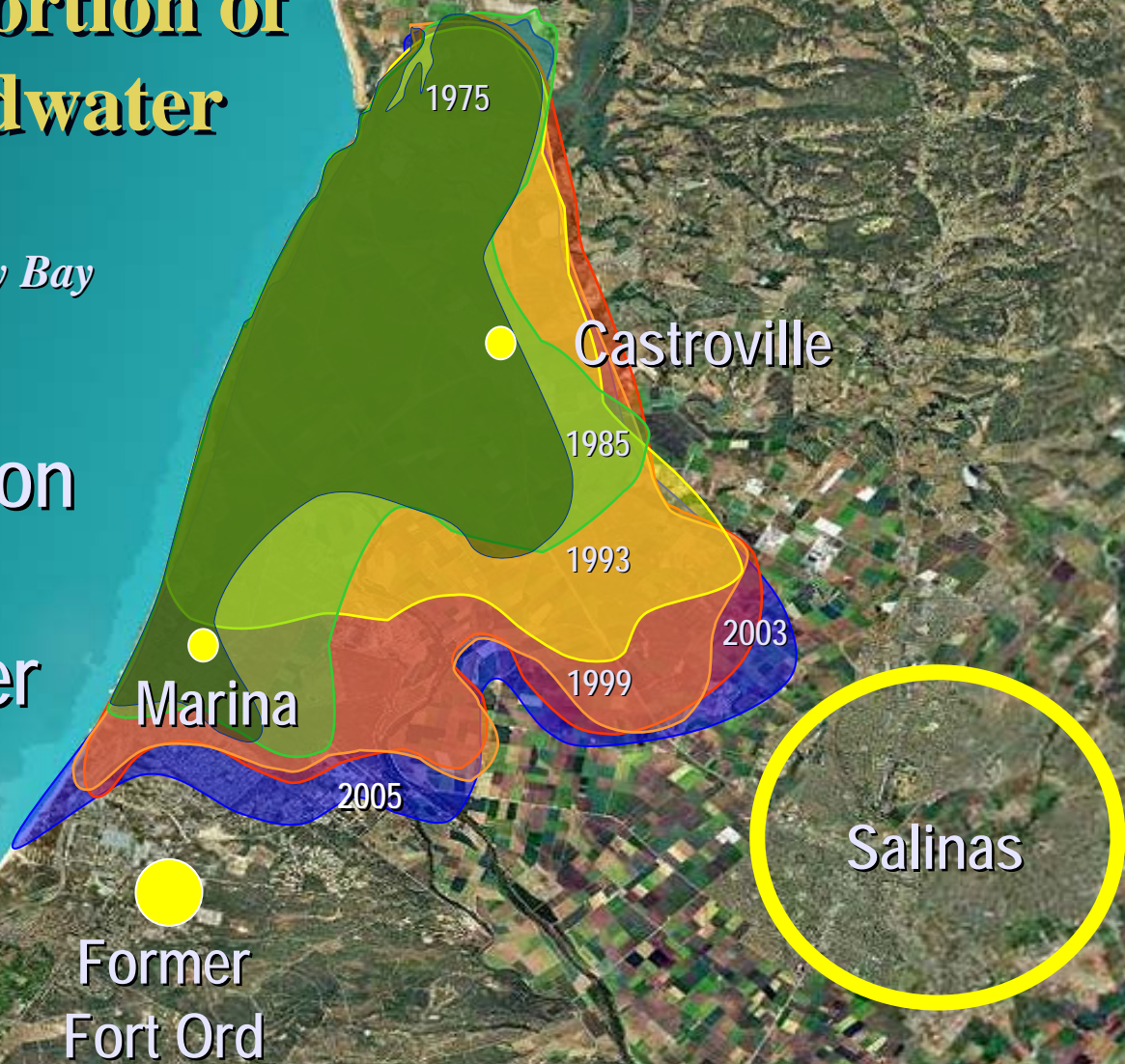
Advanced Treated Recycled Water Can Also Replenish the Seaside Basin



Seawater has Intruded a Significant Portion of Salinas Groundwater Basin

Monterey Bay

Seawater Intrusion in the 180 Foot Aquifer



Water for Monterey County Provides a Sustainable Regional Supply



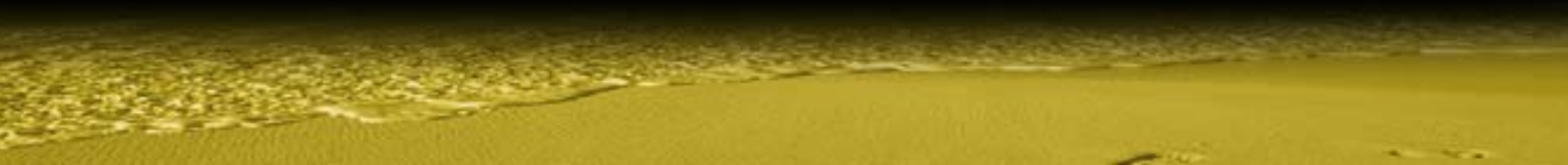
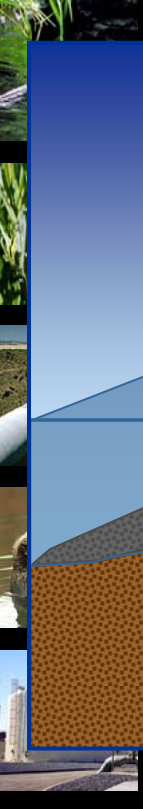
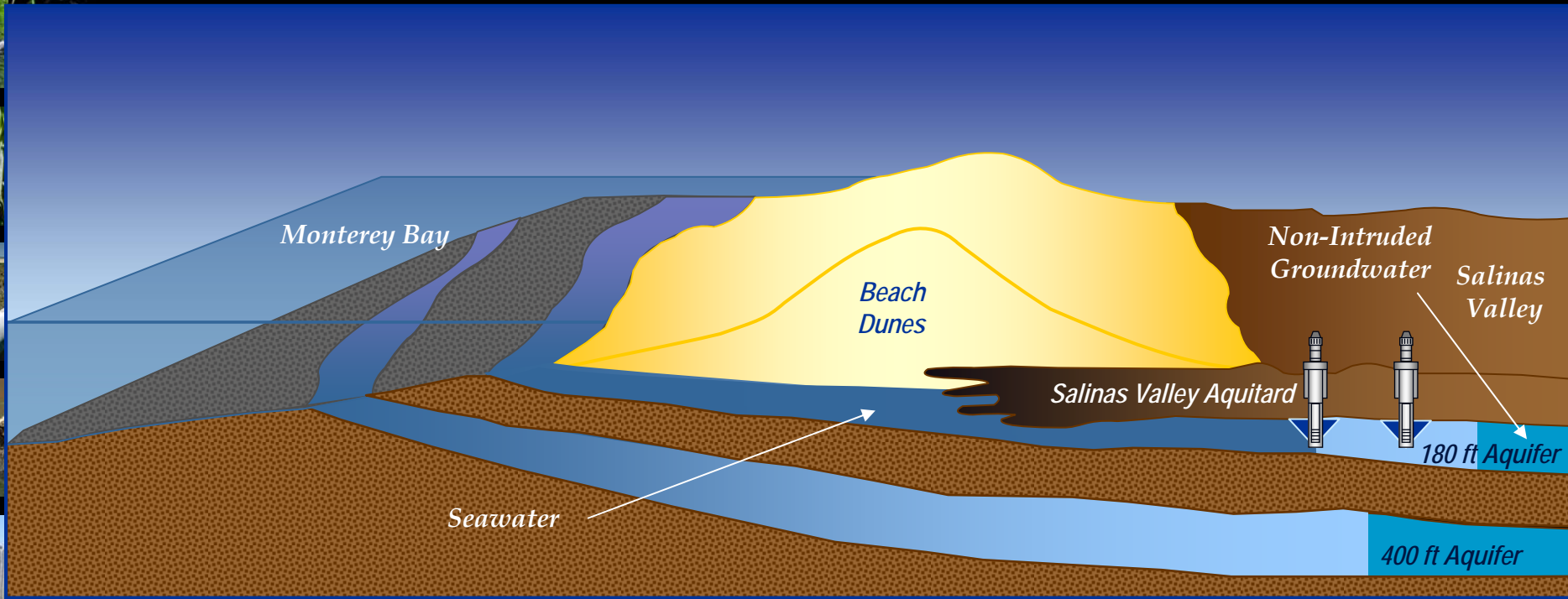
New Diversion Facility Creates Opportunity to Utilize Salinas River Water

- On average, more than 200,000 AF flows to ocean each year
- On-Line by 2010
- Winter diversions provide flow with no impact to summer irrigation
- No impact to steelhead fisheries

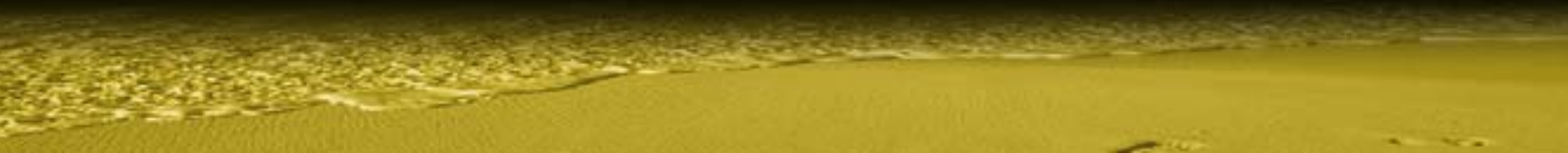
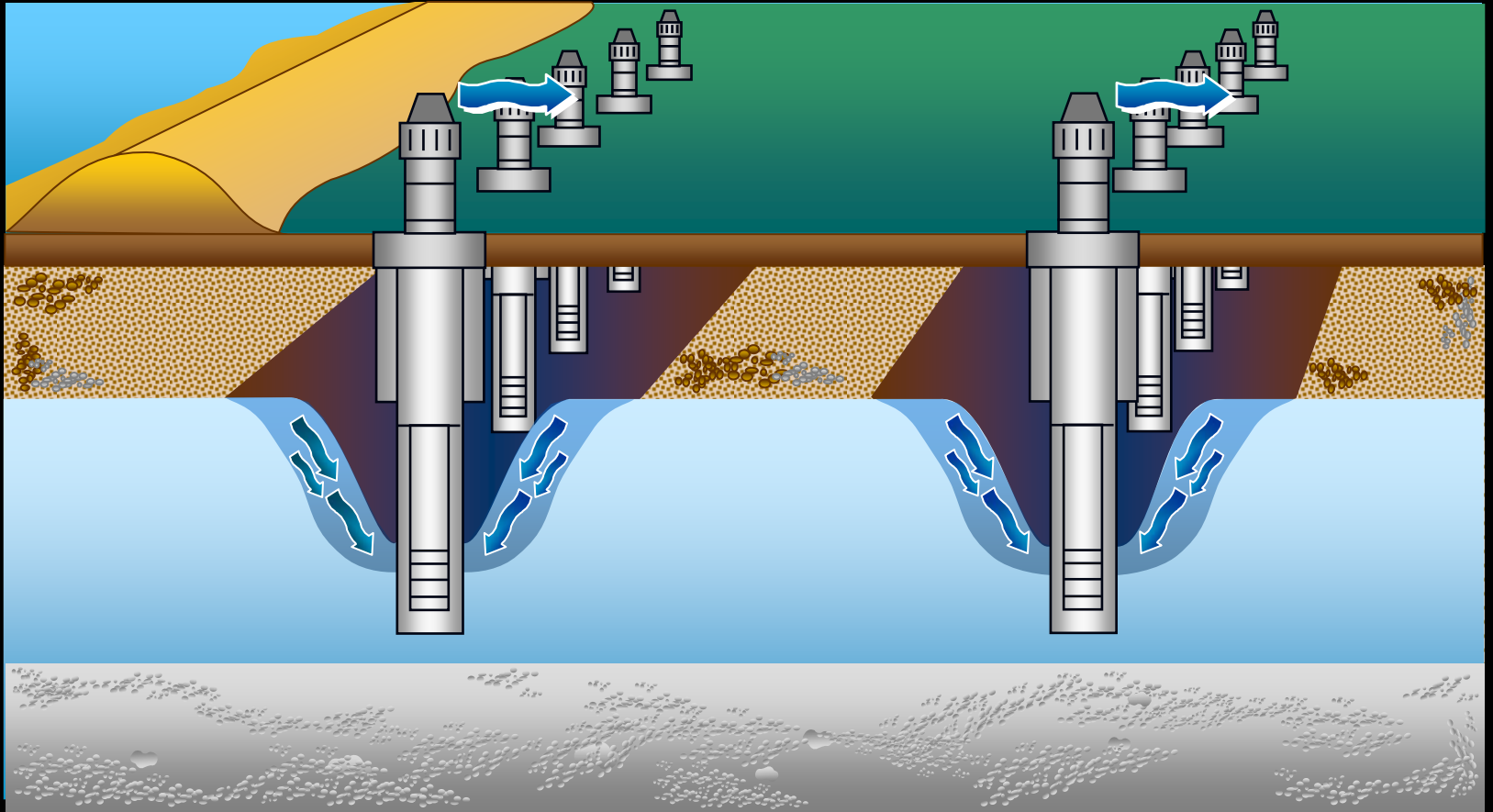
Salinas River Diversion Facility



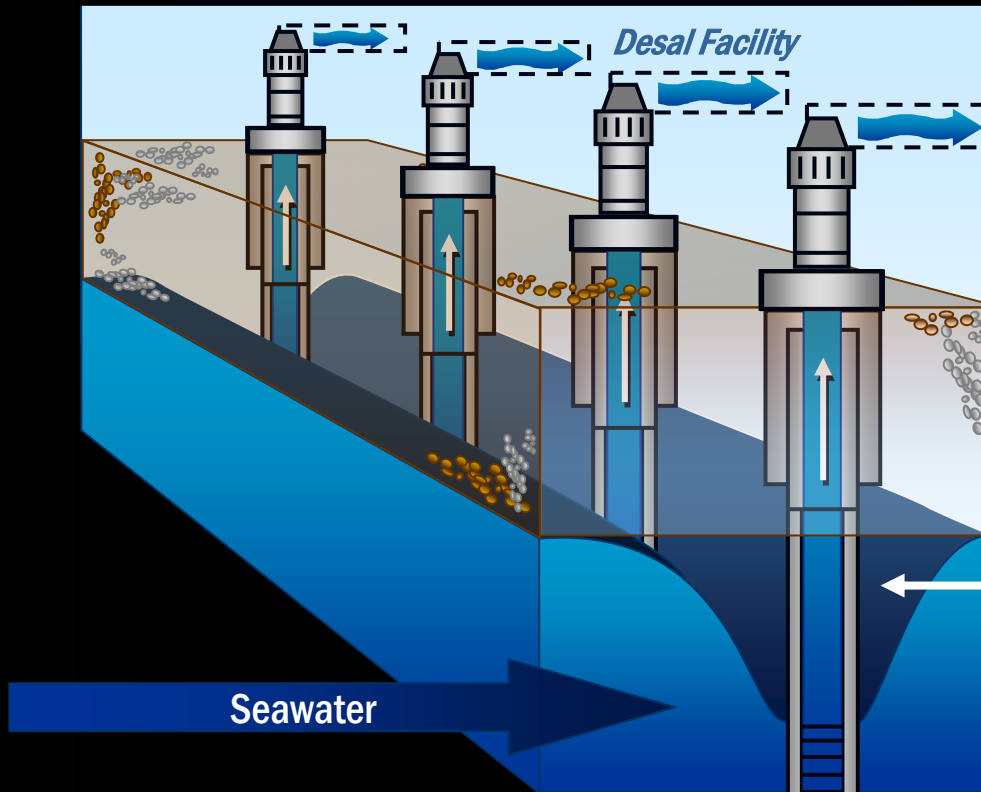
Proposed Program Utilizes Intruded Groundwater and Restores Aquifer



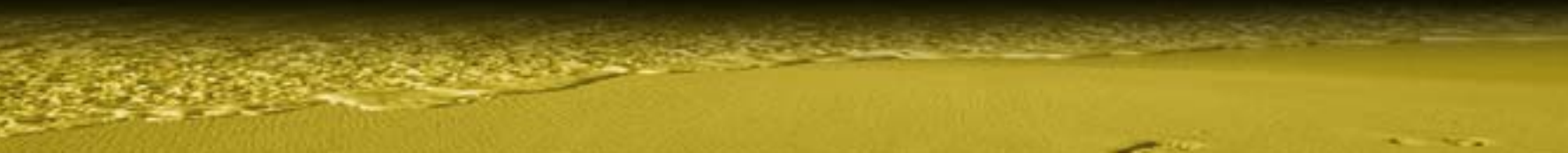
Coastal Wells Create Trough That Protects Basin from Seawater Intrusion



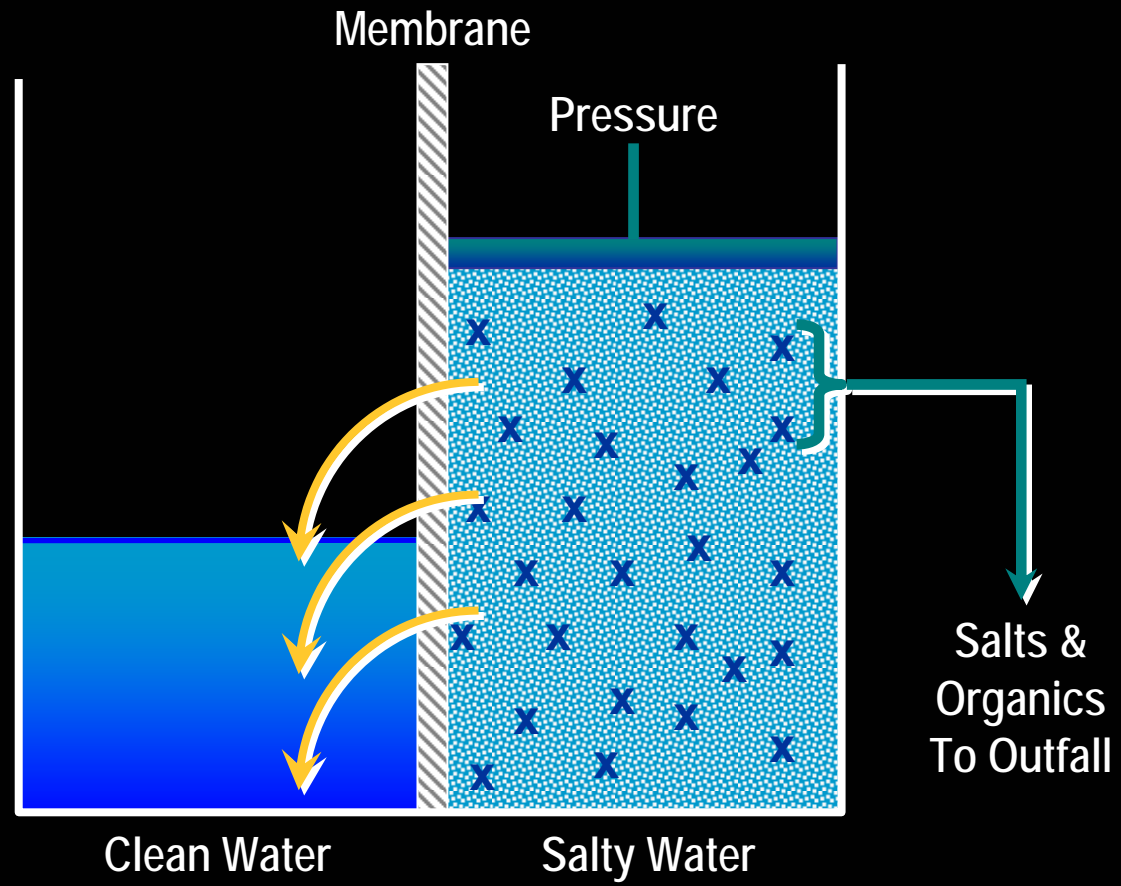
Inverted Barrier Provides Protection to Groundwater Basin



Pumping
Provides Inverted
Seawater
Intrusion Barrier



Reverse Osmosis Makes Clean Water from Salty Water

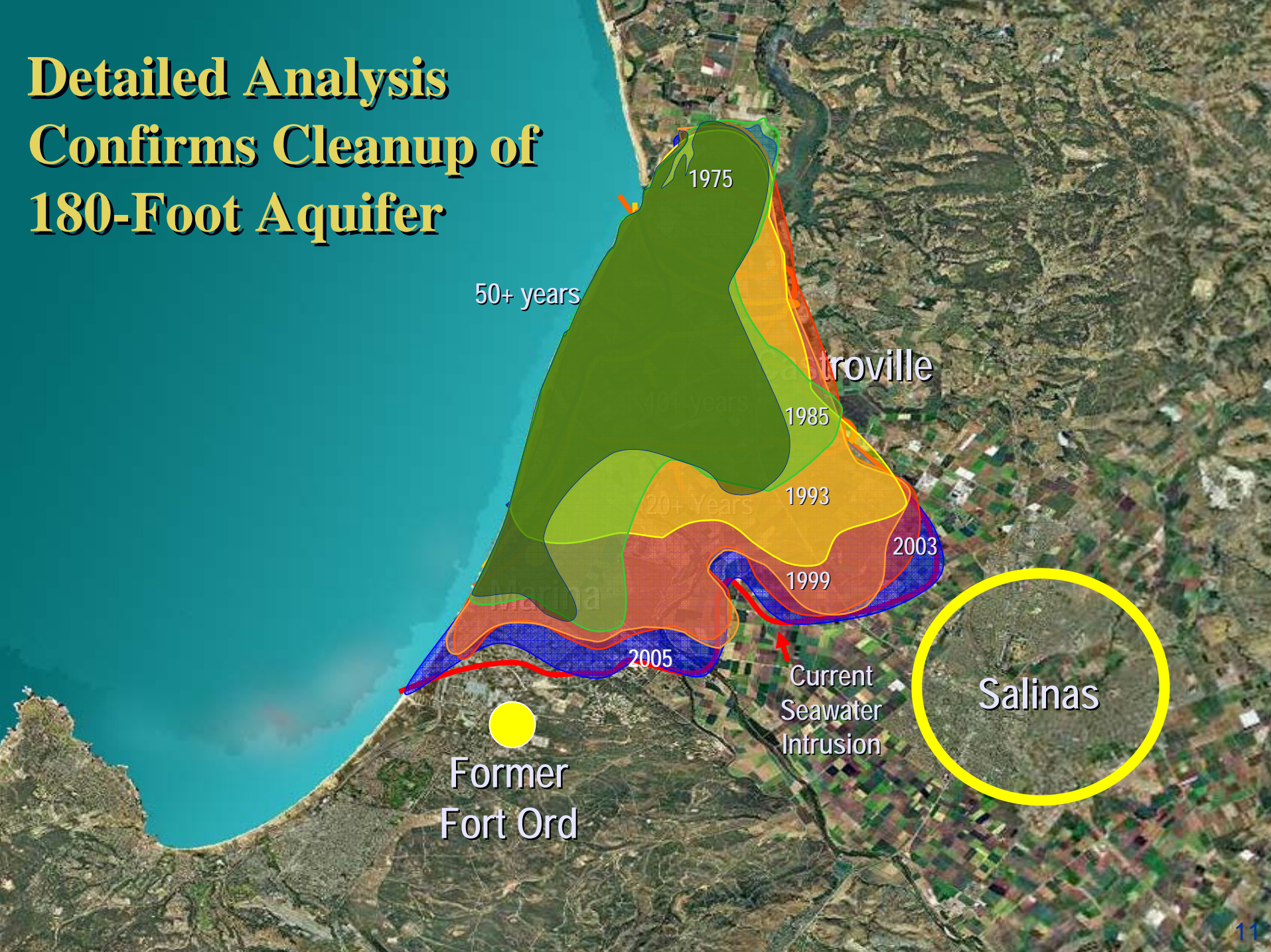


Existing Outfall Provides Effective Means for Brine Disposal



- Brine TDS within 10% of ocean TDS
- Meets SWRCB proposed Ocean Plan
- Saves > \$30 M
- Adequate outfall capacity to meet wet weather conditions

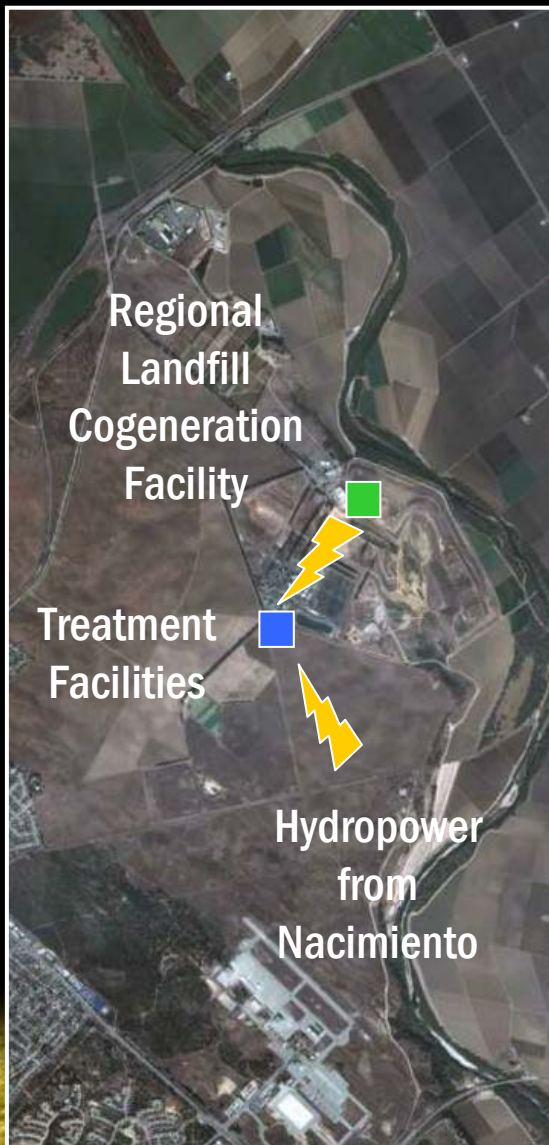
Detailed Analysis Confirms Cleanup of 180-Foot Aquifer



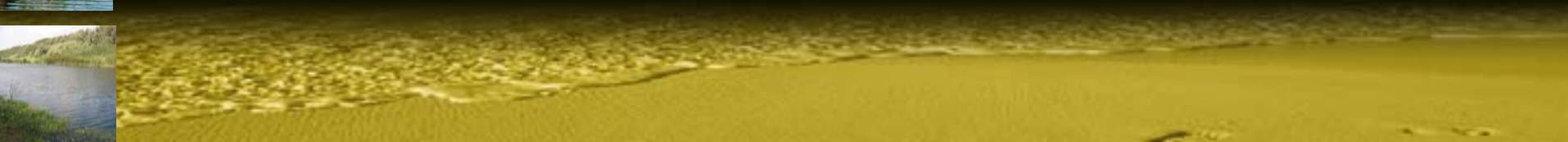
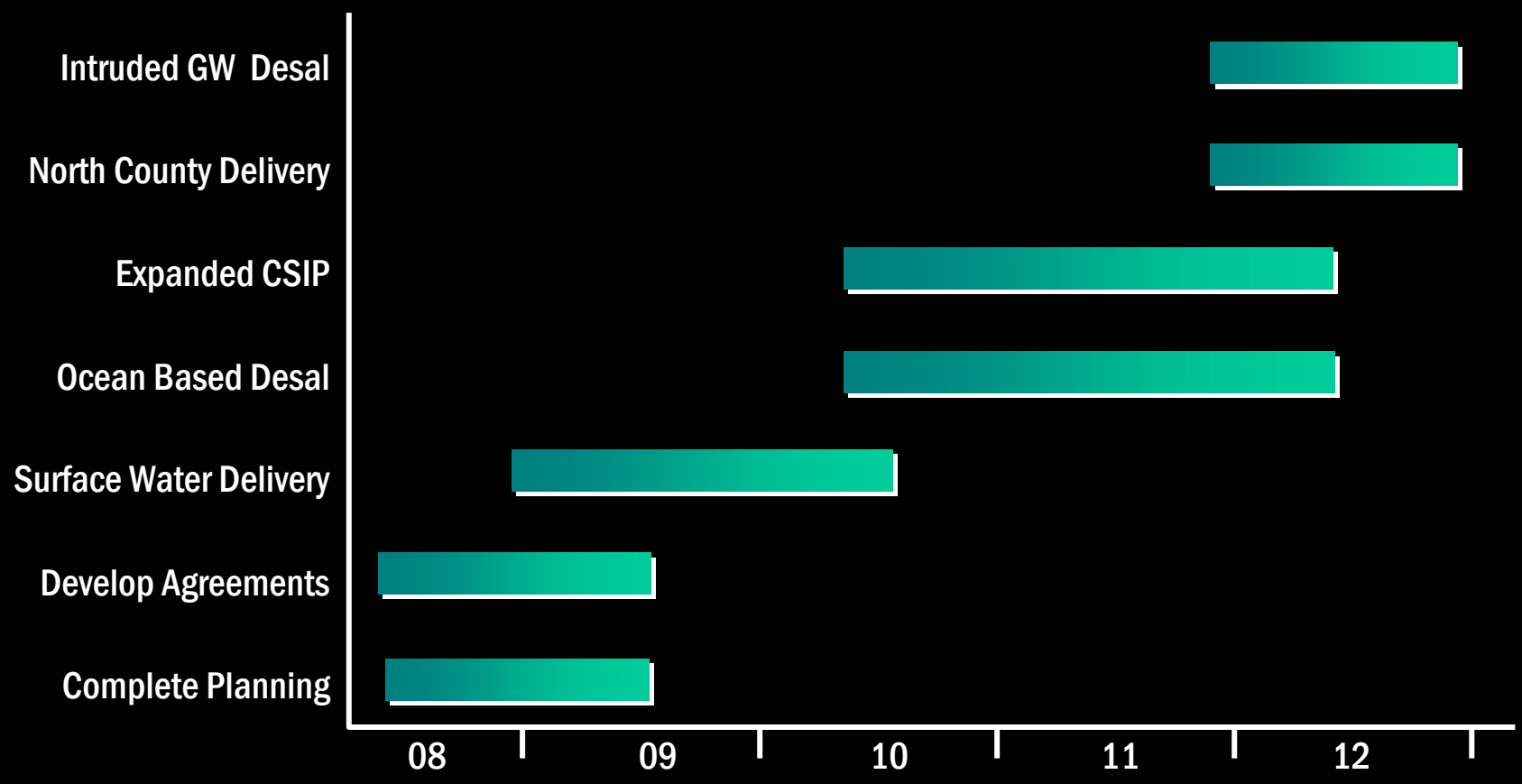
Treatment Facilities will be Carbon Neutral thru Use of Cogeneration and Hydropower

SUSTAINABLE, RELIABLE POWER SUPPLY

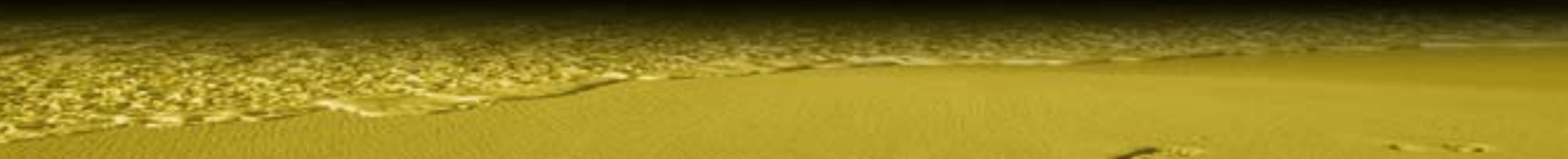
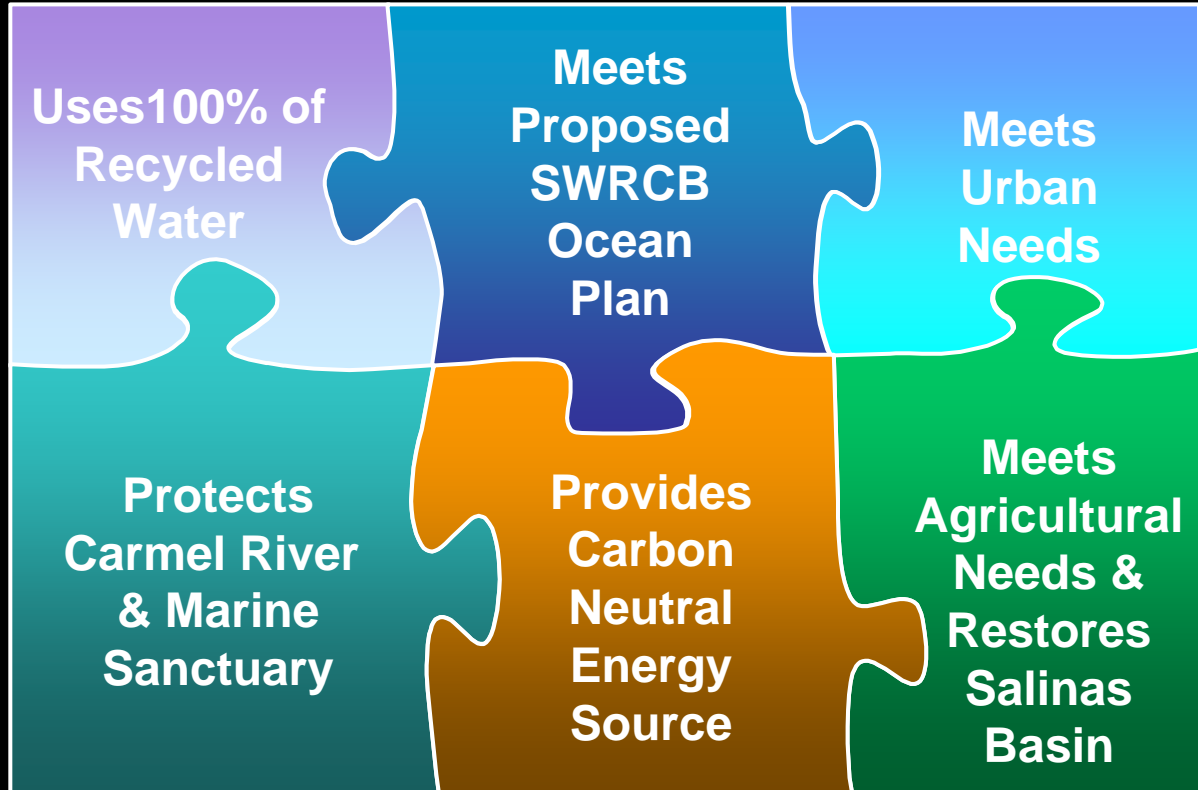
- Increased use of methane gas from landfill
- Reduced carbon emissions
- Supplement with renewable hydropower from Nacimientto dam
- Potential for use of wind power



How Might this be Implemented?



Water for Monterey



Water for Monterey Provides Least Cost, Sustainable Water Supply Solution



What Are The Next Steps?

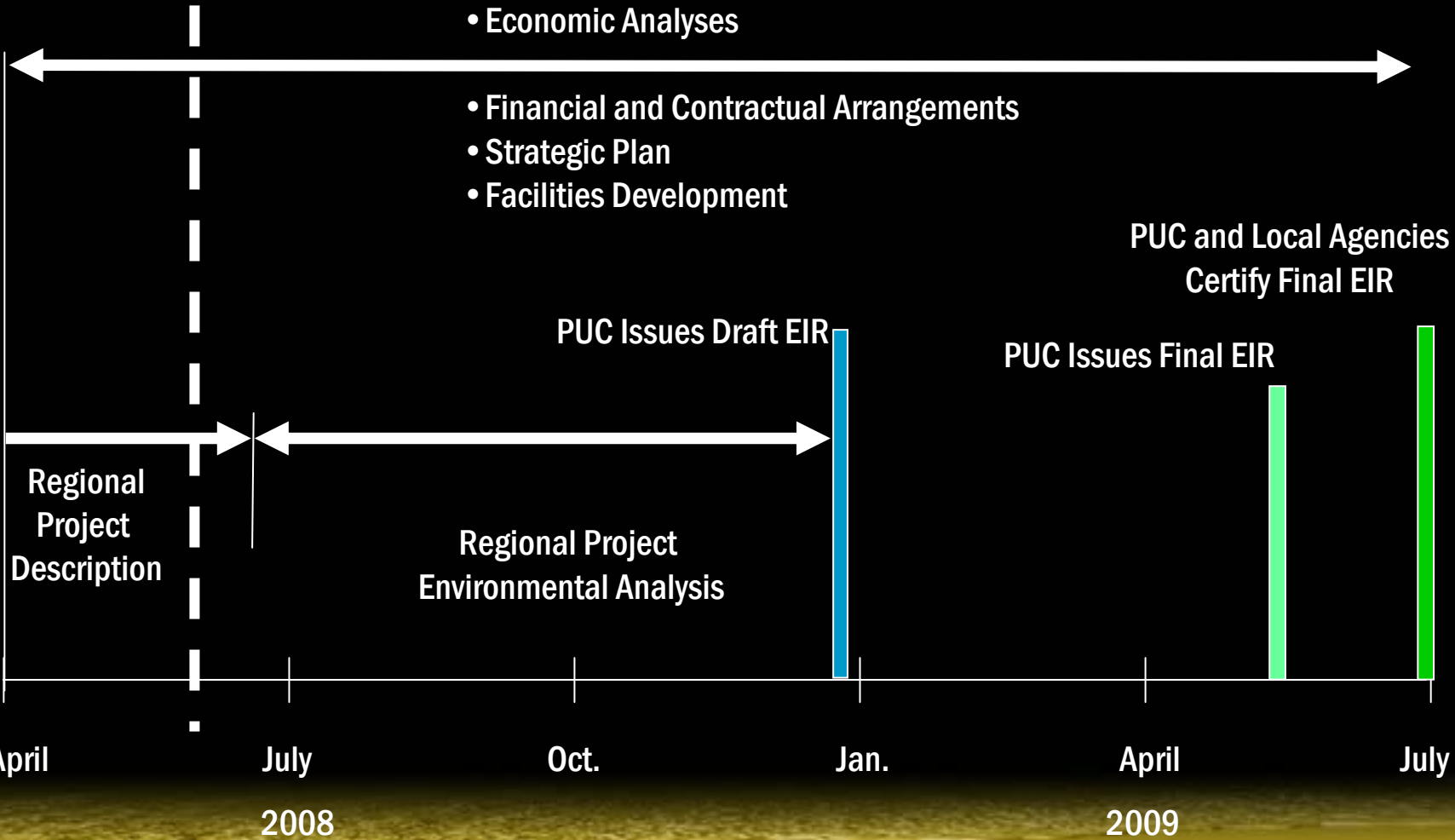
- Stakeholder Input
- Institutional Analyses
- Economic Analyses

- Financial and Contractual Arrangements
- Strategic Plan
- Facilities Development

PUC and Local Agencies
Certify Final EIR

PUC Issues Draft EIR

PUC Issues Final EIR



Water for Monterey County

July 2008

