



CITIZENS WATER ACADEMY

Where does our water come from?

Tri-Valley Water 101

Jan Lee
General Manager

April 17, 2024



Dublin San Ramon
Services District

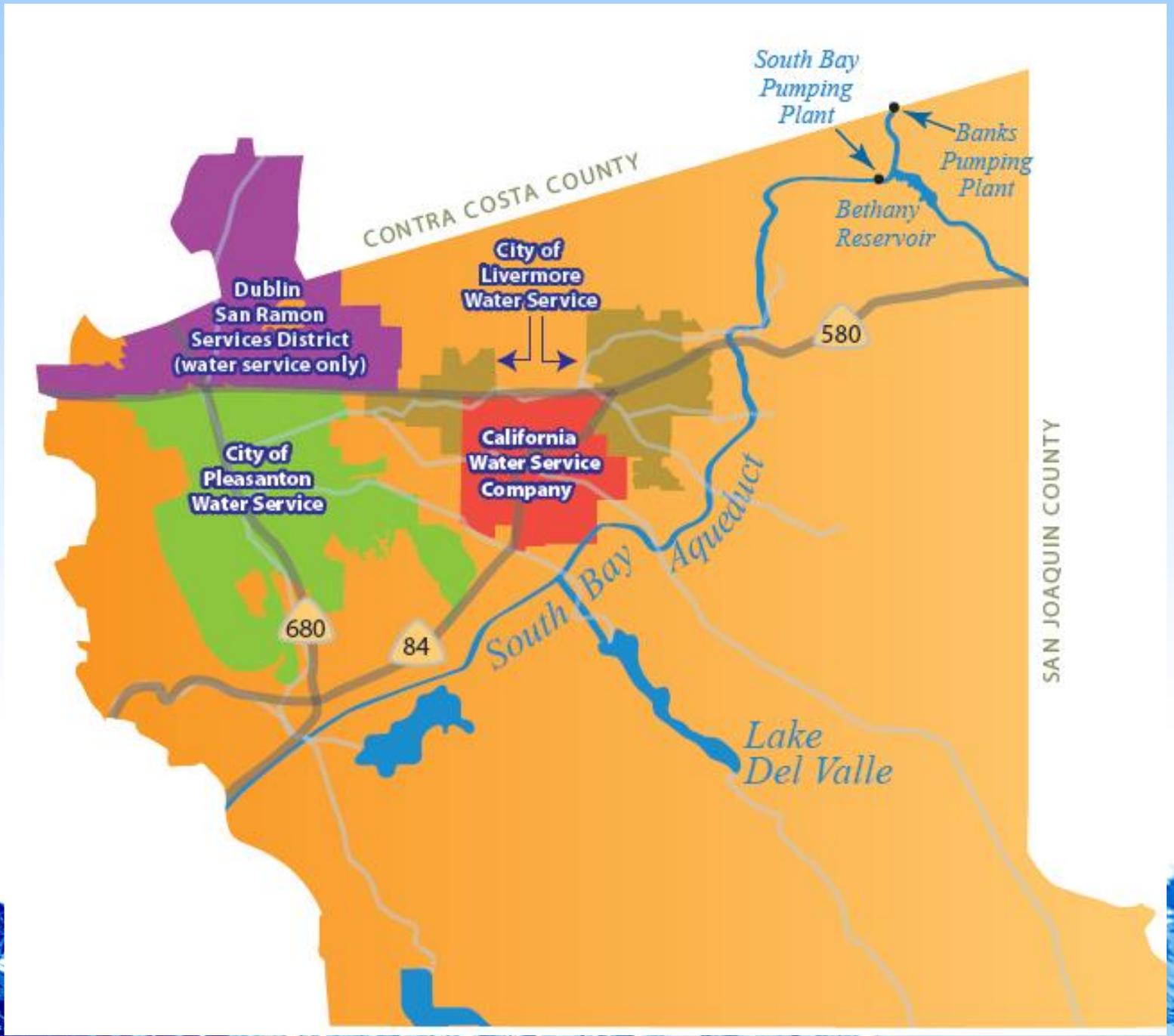
Water, wastewater, recycled water

Potable and Recycled Water



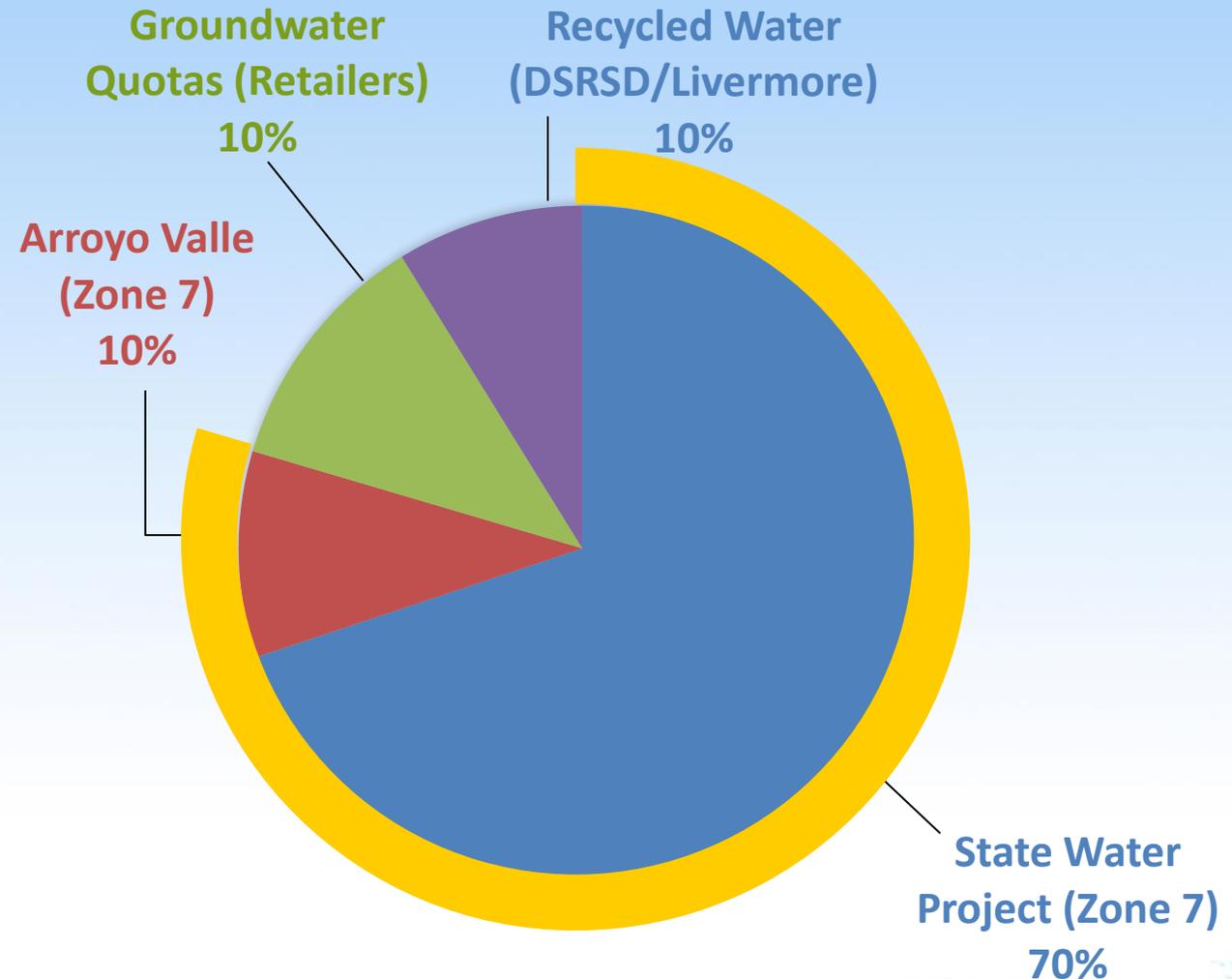
Zone 7 and Water Retailers

- Cal Water
- DSRSD
- Livermore
- Pleasanton



Tri-Valley Water Supplies

- » Most of region's water supply is imported, not local
- » 70% of supply comes from the State Water Project (SWP) via the Delta
- » Zone 7 Water Agency is region's wholesale water supply agency and manages the groundwater basin



TRIVALLEY

WATER PARTNERS

Water's Journey



Oroville
Reservoir

Delta



State Water Project (SWP)

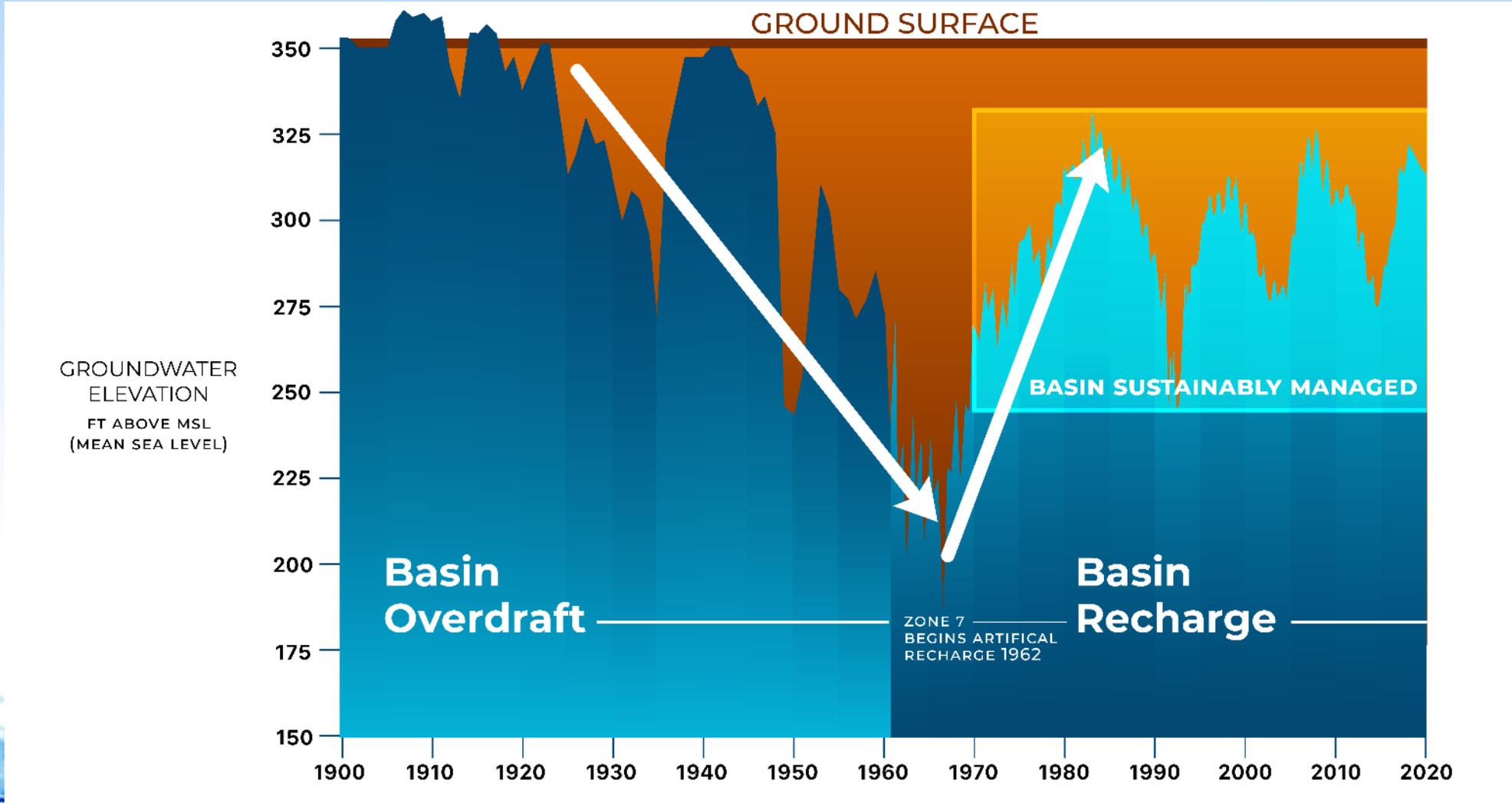
70% of Tri-Valley Supply

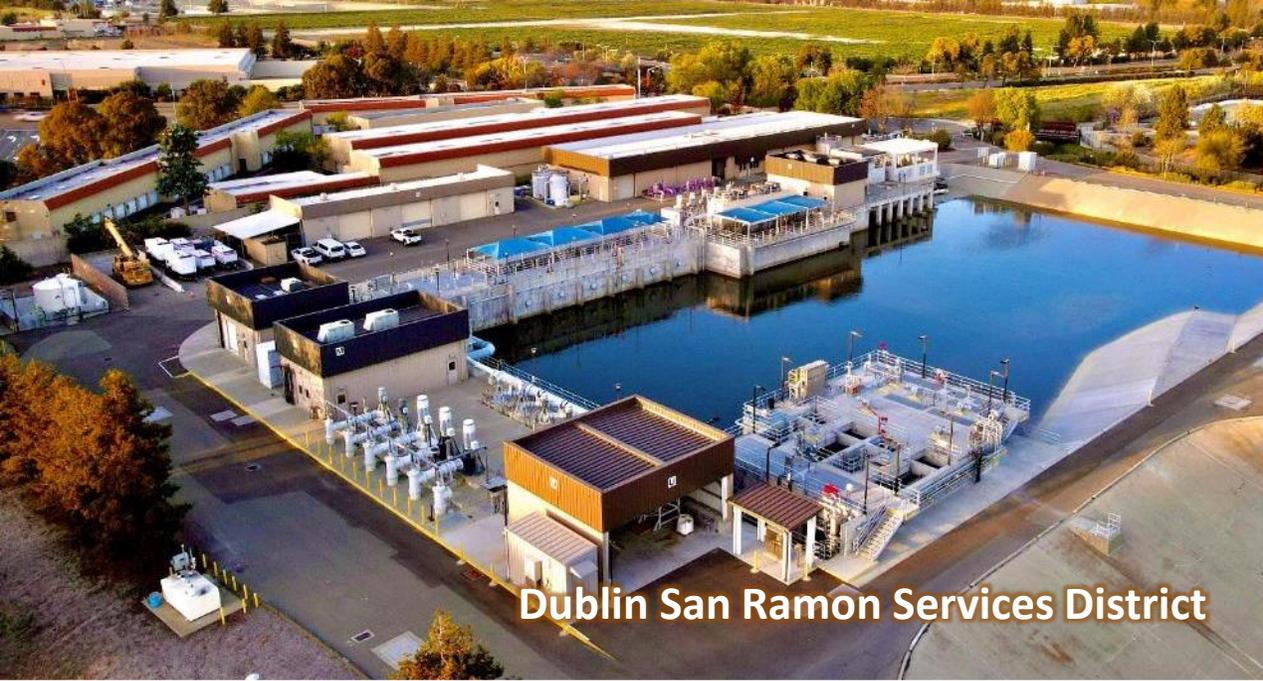


Local Runoff - Lake Del Valle (10%)

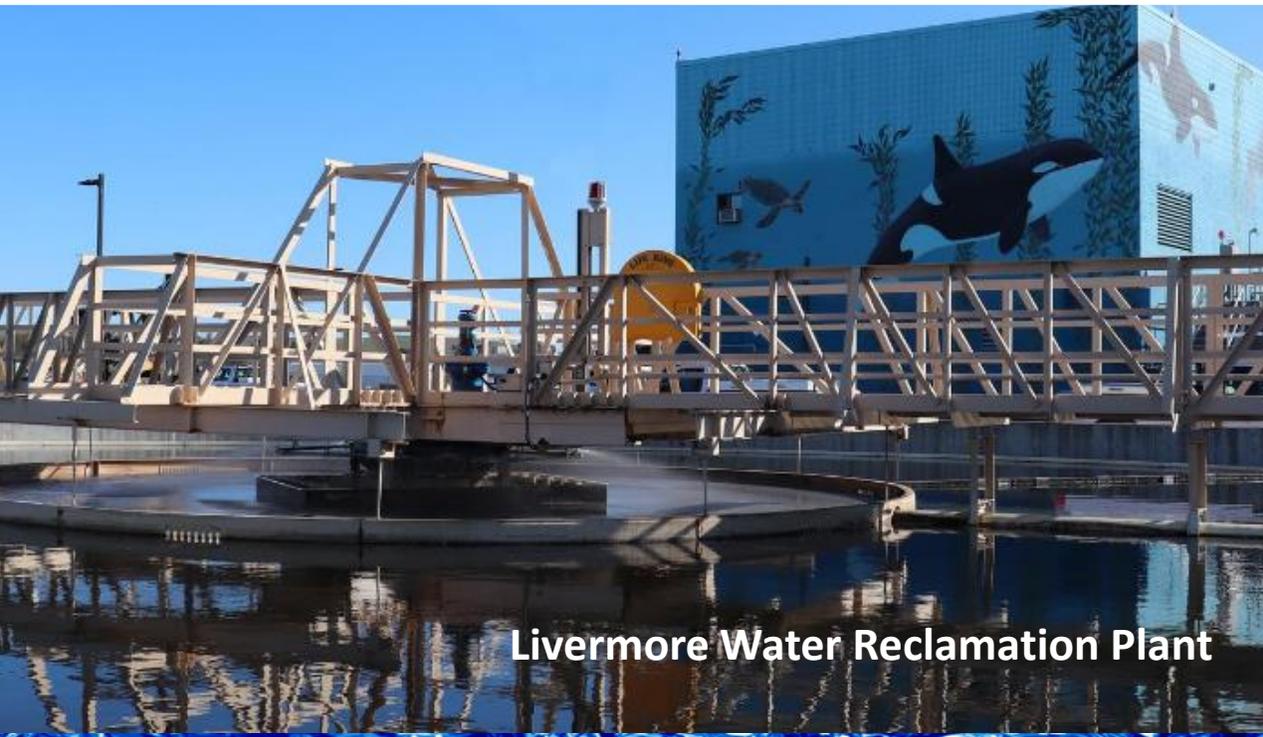


Sustainable Groundwater Management





Dublin San Ramon Services District



Livermore Water Reclamation Plant



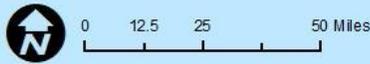
Recycled Water (10%)

RECYCLED WATER
USED FOR IRRIGATION
DO NOT DRINK
No tome agua del sistema de riego
CITY OF PLEASANTON 925-931-5500

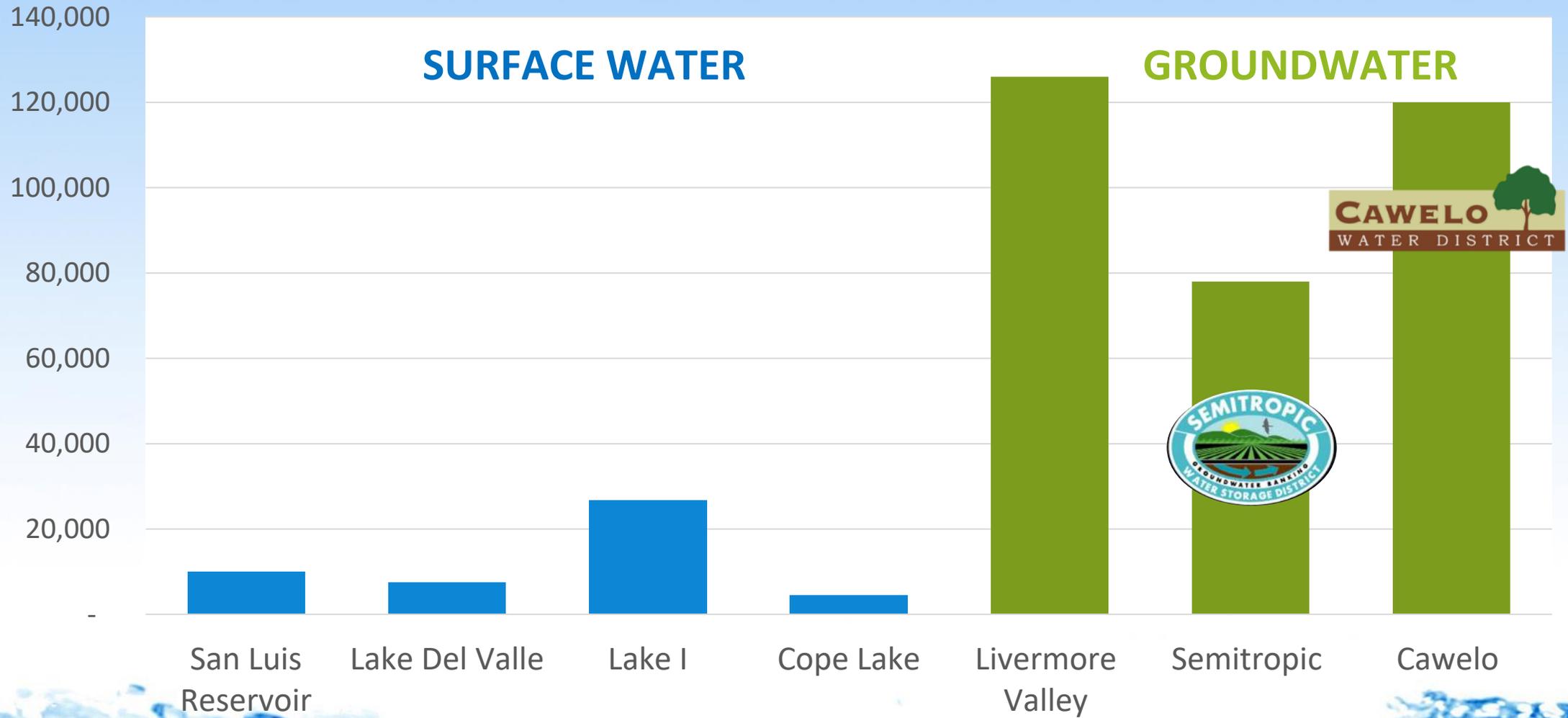
Storage



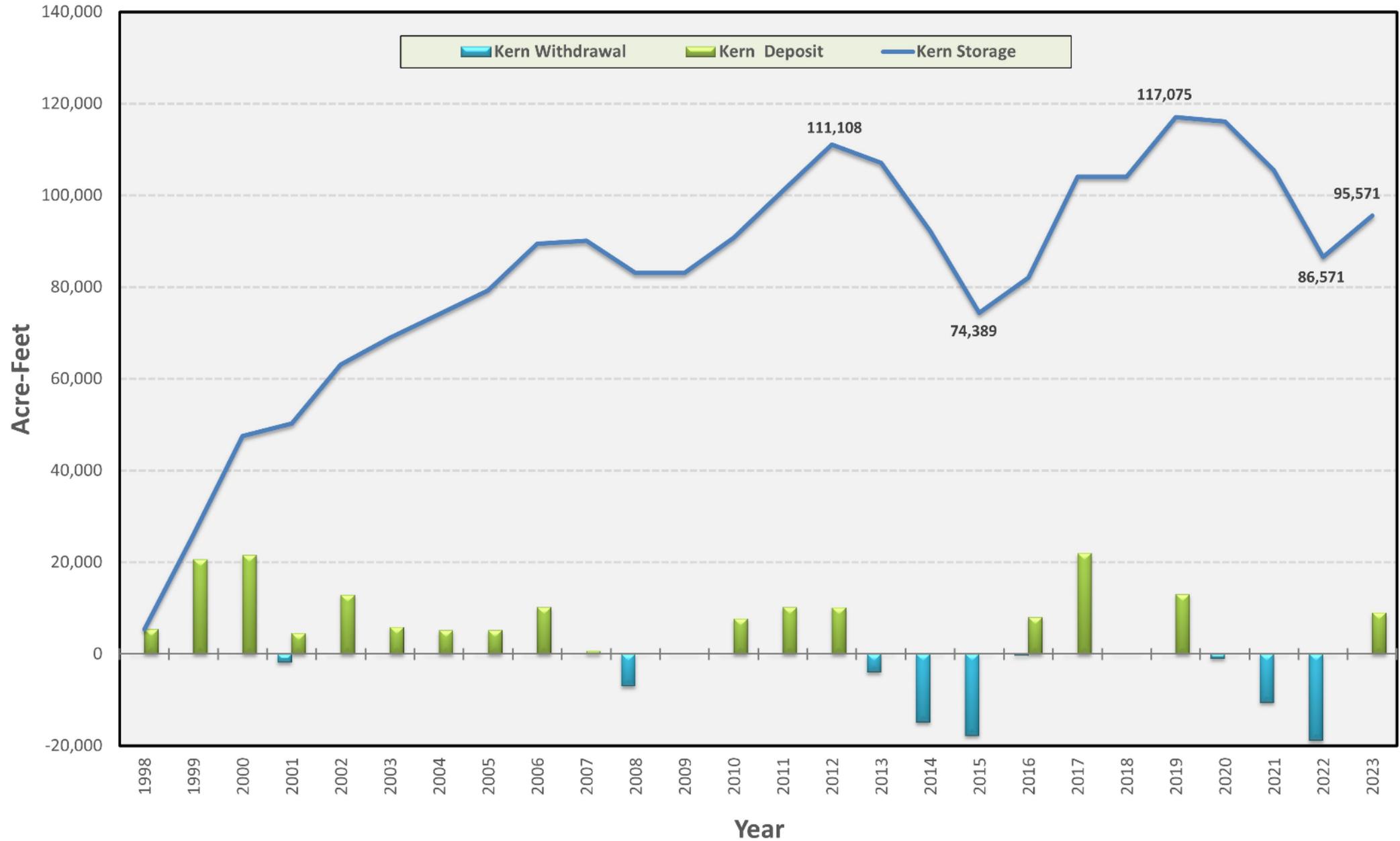
Zone 7 Storage



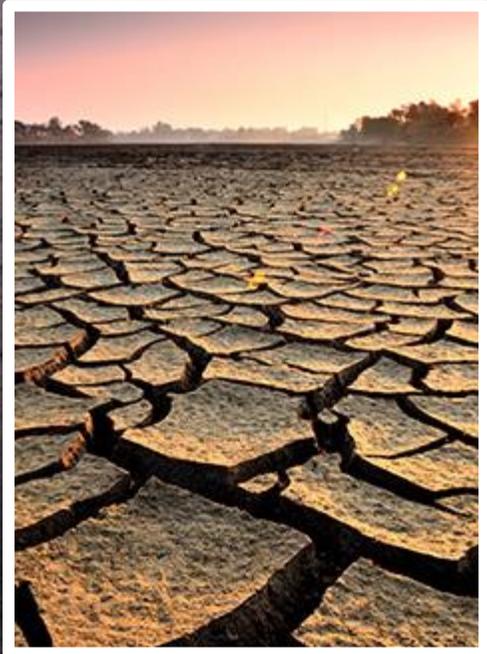
Zone 7 Storage



Kern County Storage & Recovery Programs



Water Supply Challenges





December 21, 2022



March 8, 2023

Climate change means greater extremes

Declining State Water Project Reliability





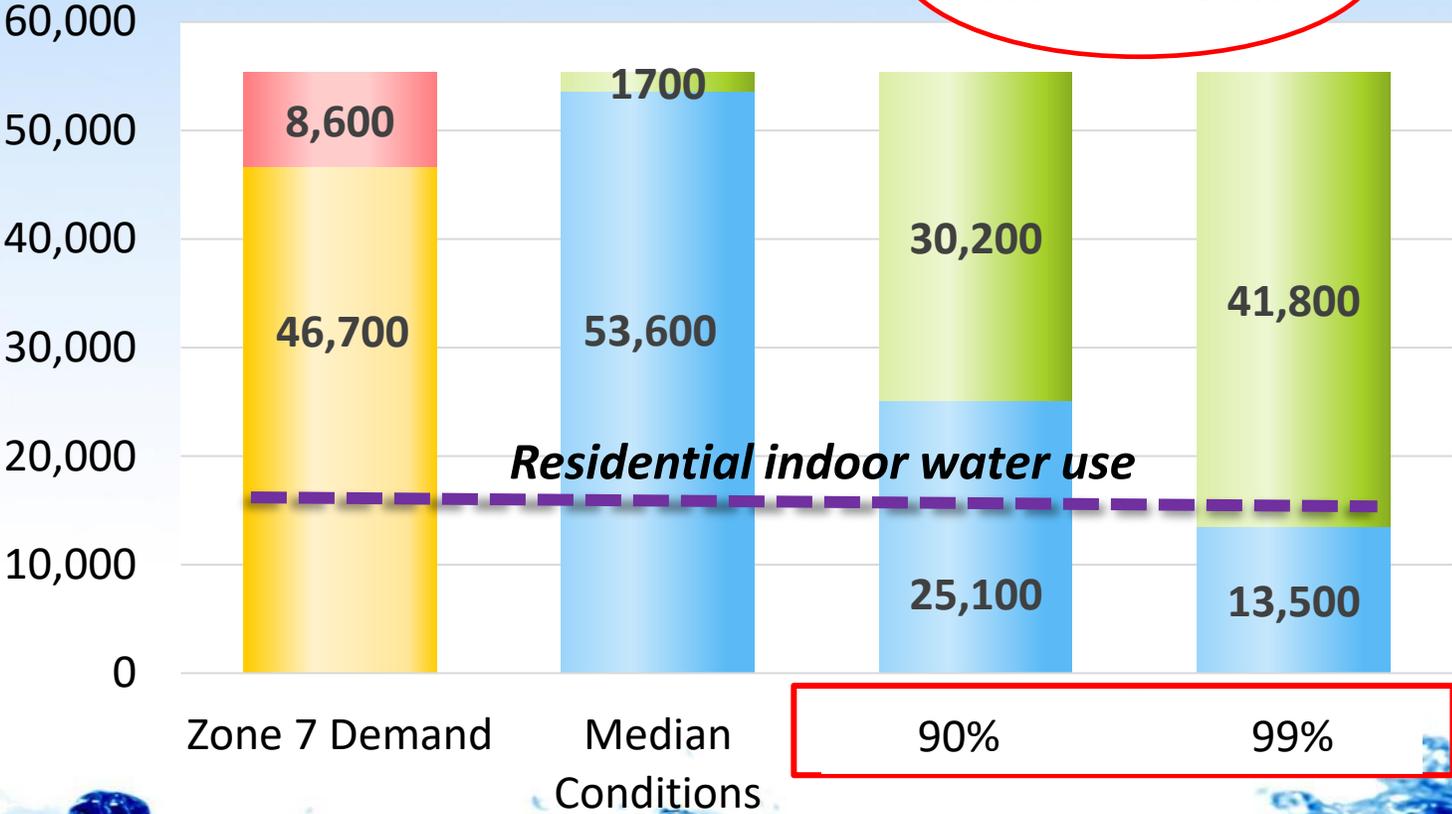
Zone 7 Water Supply Reliability Policy

- » Meet 100% of water demands 90% of the time (10% chance of shortage)
- » Meet at least 85% water demands 99% of time (1% chance shortage exceeds 15%)

The “No New Water Supply” Scenario: At Buildout

Shortages up to:
55% 76%

- Untreated Demand
- Treated Demand
- Shortage
- Supply

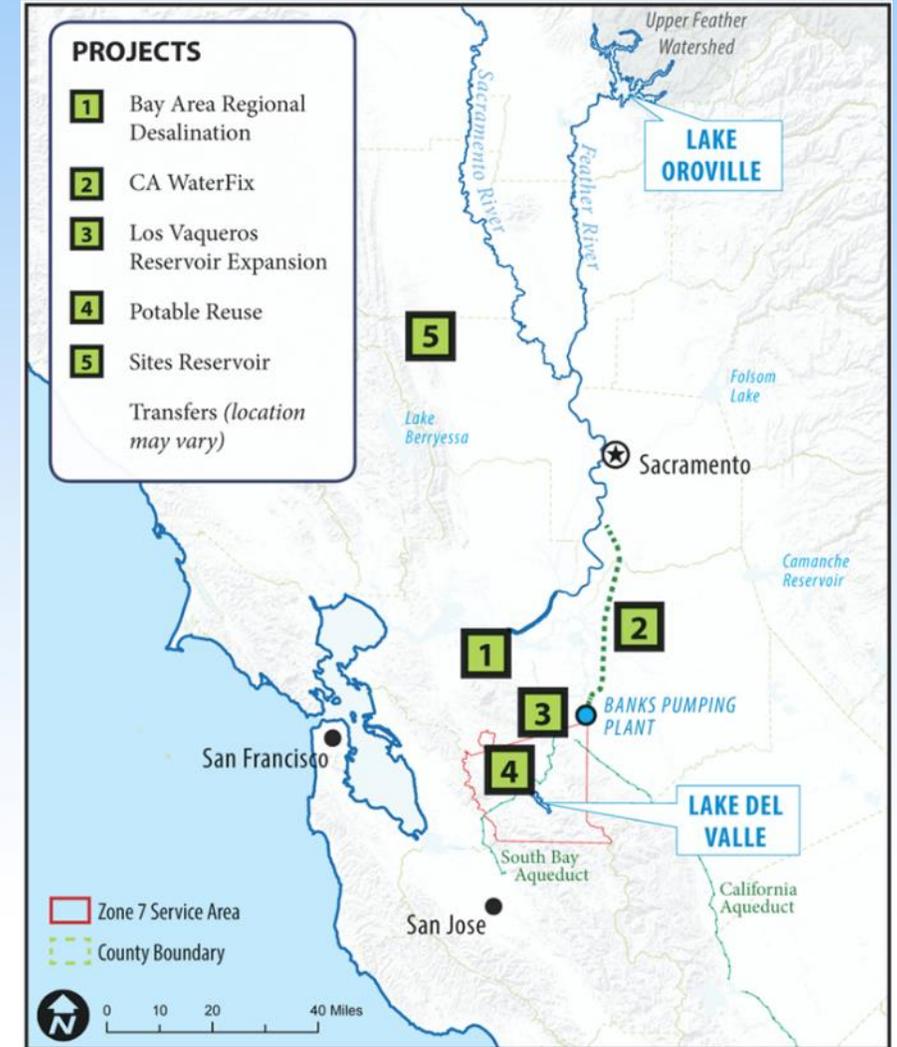


Reference: Draft 2022 Zone 7 Water Supply Evaluation



Water Reliability Options

Potential Projects	Supply	Storage	Conveyance
Delta Conveyance	✓		✓
Sites Reservoir	✓	✓	
Los Vaqueros Reservoir Expansion and Pipeline		✓	✓
Bay Area Desalination	✓		
Potable Reuse	✓		
Chain-of-Lakes	✓	✓	✓
Interties			✓
Water Transfers	✓		



Conservation and Recycled Water Key Part of Solution

Delta Conveyance



GIANT WATER TUNNEL ROUTE

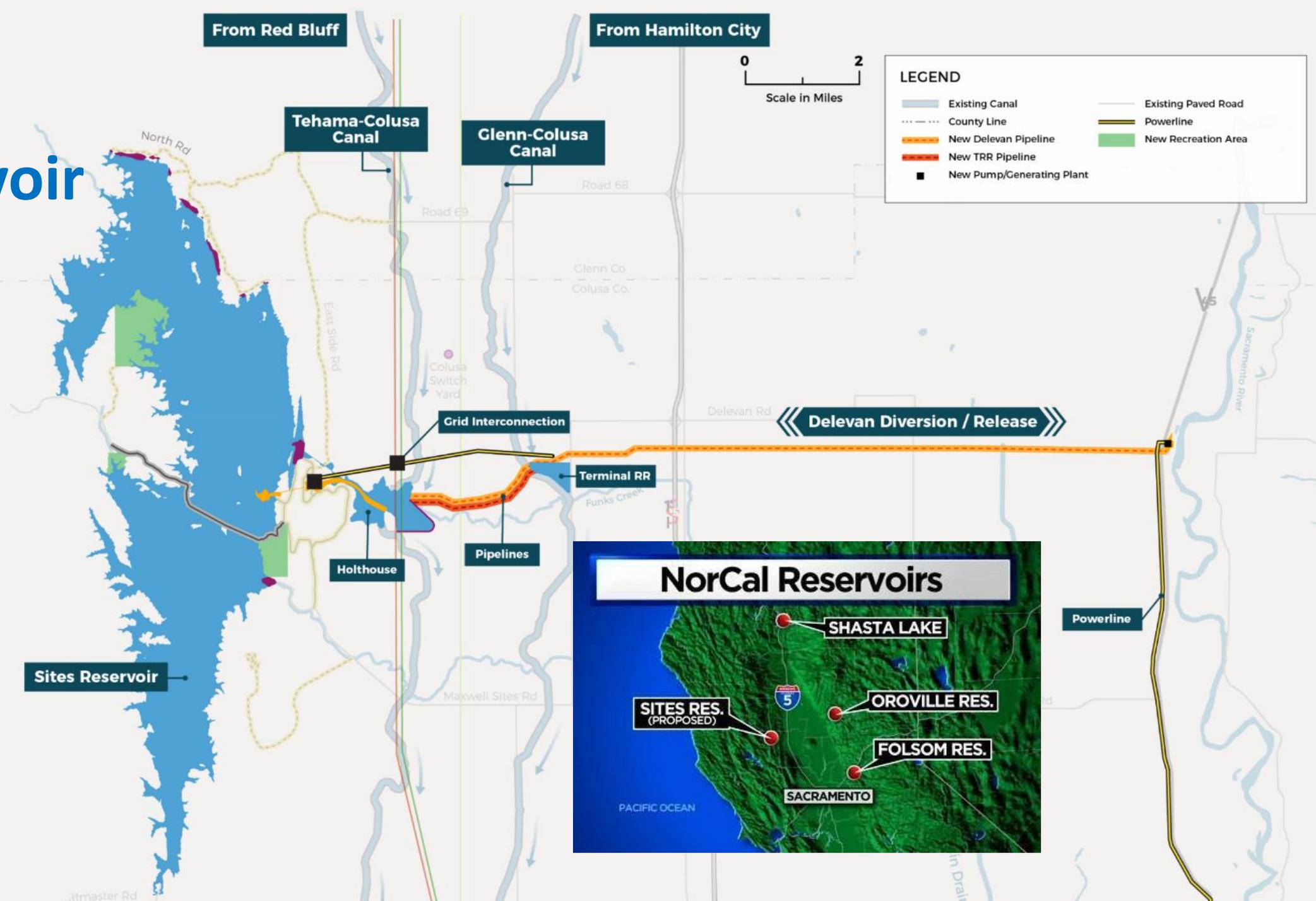
The proposed twin water diversion tunnels under the Sacramento-San Joaquin Delta would stretch 37 miles and be among the largest projects of its kind in North America.



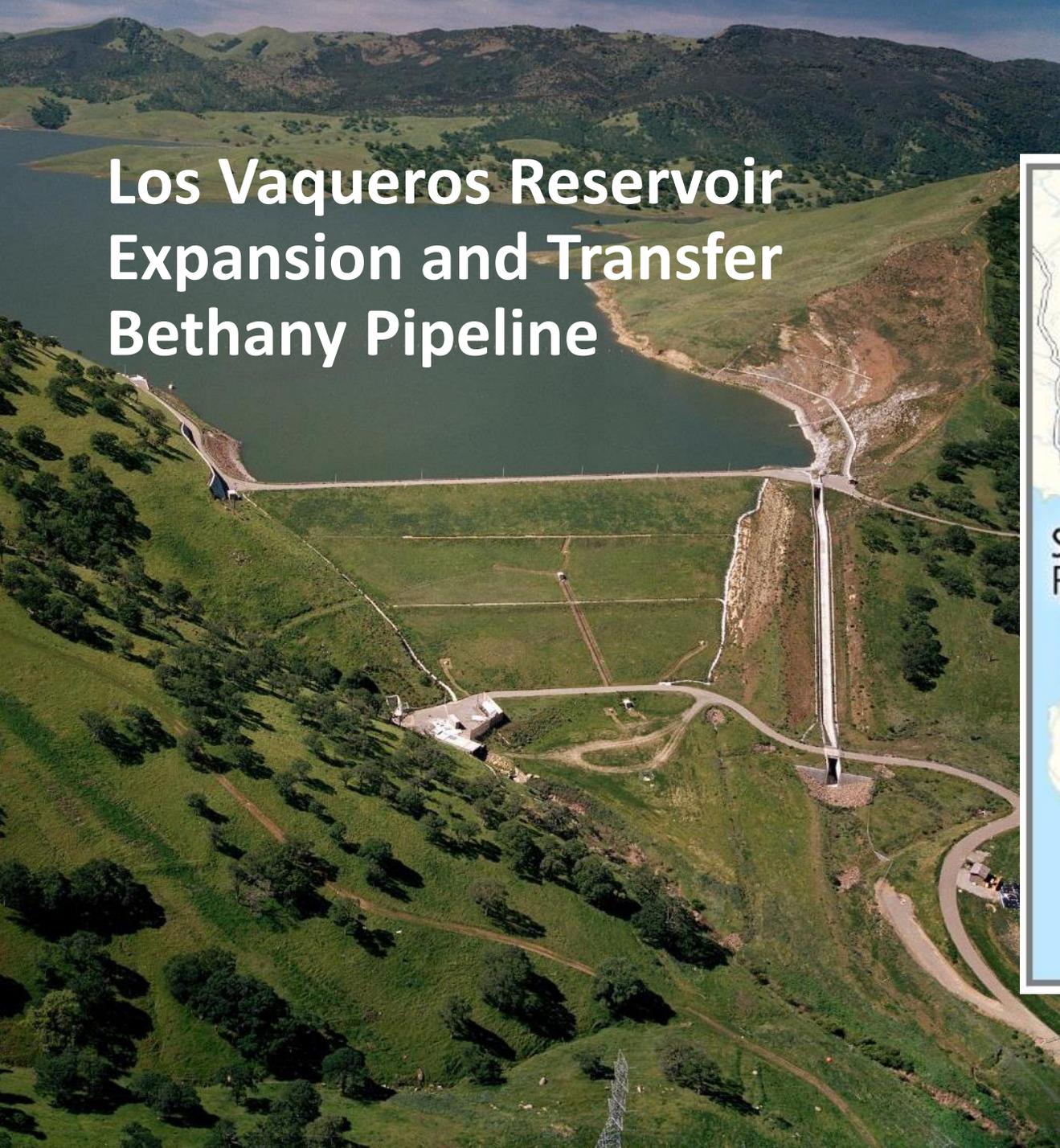
Source: State Dept. of Water Resources

Nathaniel Levine nlevine@sacbee.com

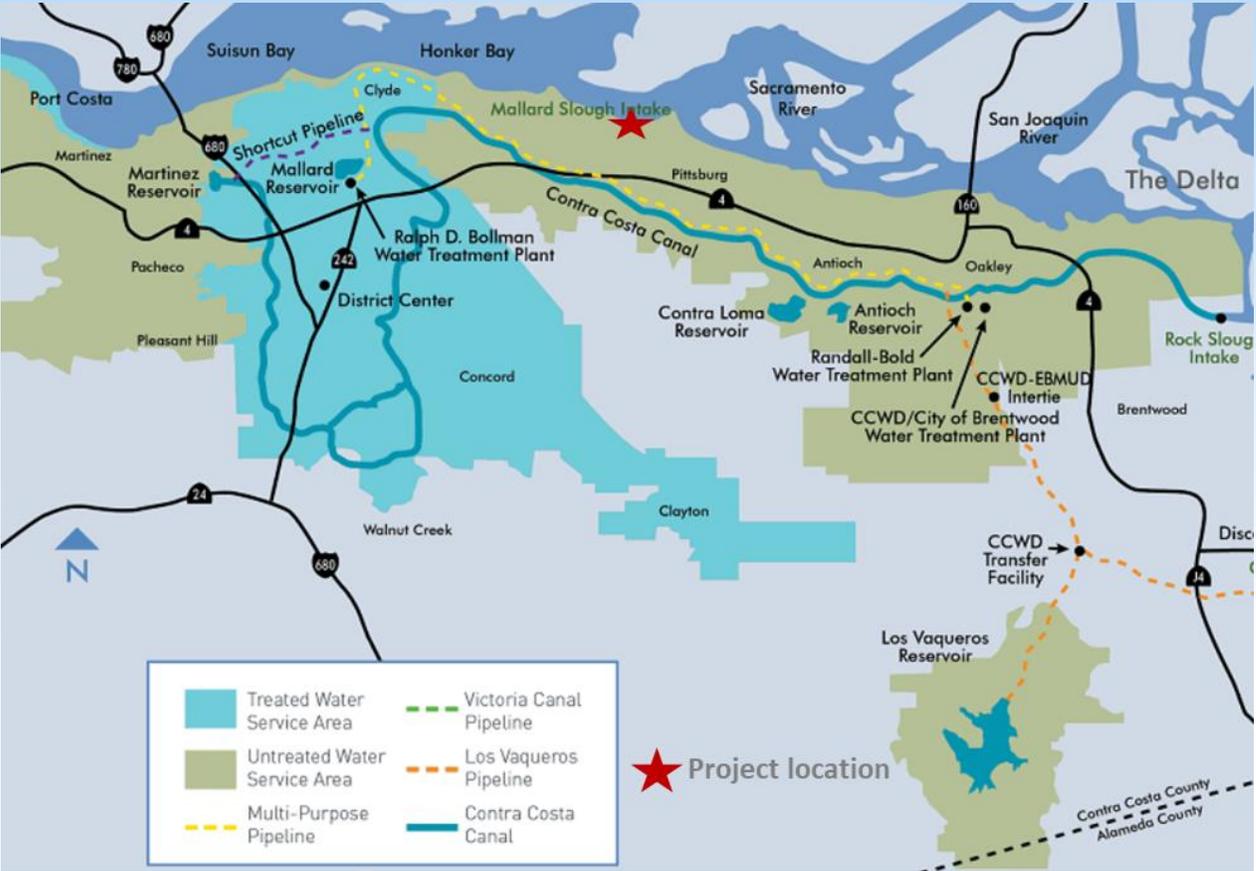
Sites Reservoir



Los Vaqueros Reservoir Expansion and Transfer Bethany Pipeline



New Supply Sources: Desalination and Potable Reuse



Tri-Valley Water Potential Solutions

The Tri-Valley Water Partners are exploring every possible opportunity to ensure our community's future water needs.

South Bay Aqueduct

For more information visit:
www.trivalleywater.org

**A toast,
“To a reliable,
sustainable water
supply.”**





Questions?

Jan Lee

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