



Dublin San Ramon  
Services District  
*Water, wastewater, recycled water*

# Nutrient Watershed Permit Update

Pleasanton Liaison Meeting  
March 31, 2025

Dan Gill, Operations Director

# Summer of 2022

NATURE AND THE CITY

## Worried about the fish-killing red tide returning to Lake Merritt? Here's a way to help

State wildlife officials want the public's observations of marine creatures during the harmful algae bloom.

by Darwin BondGraham  
Aug. 3, 2023, 12:00 p.m.





**State Water  
Resources  
Control Board**

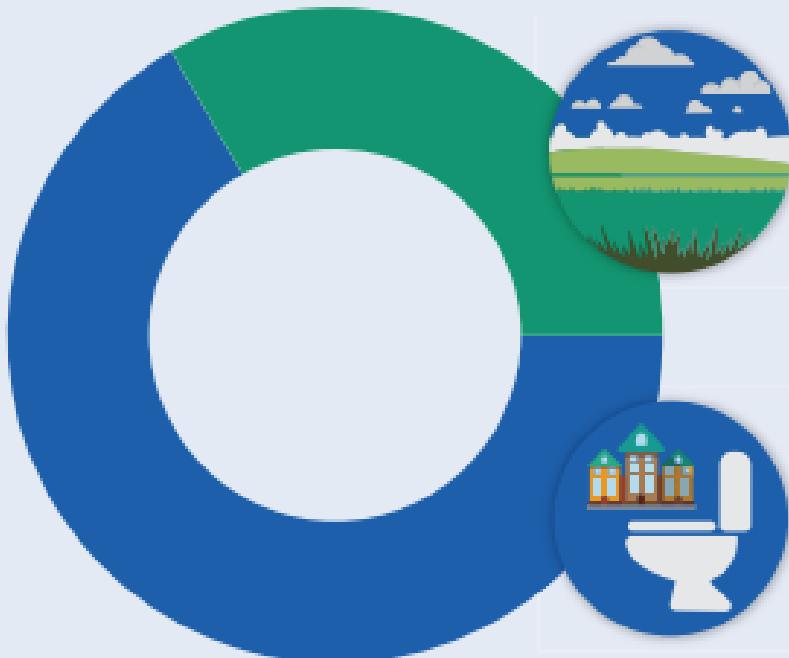
- **On July 10, 2024, a new Nutrient Watershed Permit was adopted by the San Francisco Regional Water Board**
- The permit establishes maximum nutrient load limits for all major wastewater discharges for “dry season” months.
- Current limits would go into effect by June 2025 and would be set based on 2022 conditions.
- Requires a nutrient reduction of 50 percent over a 10-year period.

# San Francisco Chronicle

Poop and pee fueled the huge algae bloom in San Francisco Bay. Fixing the problem could cost \$14 billion



## Where Do Nutrients Come From?



**33%**

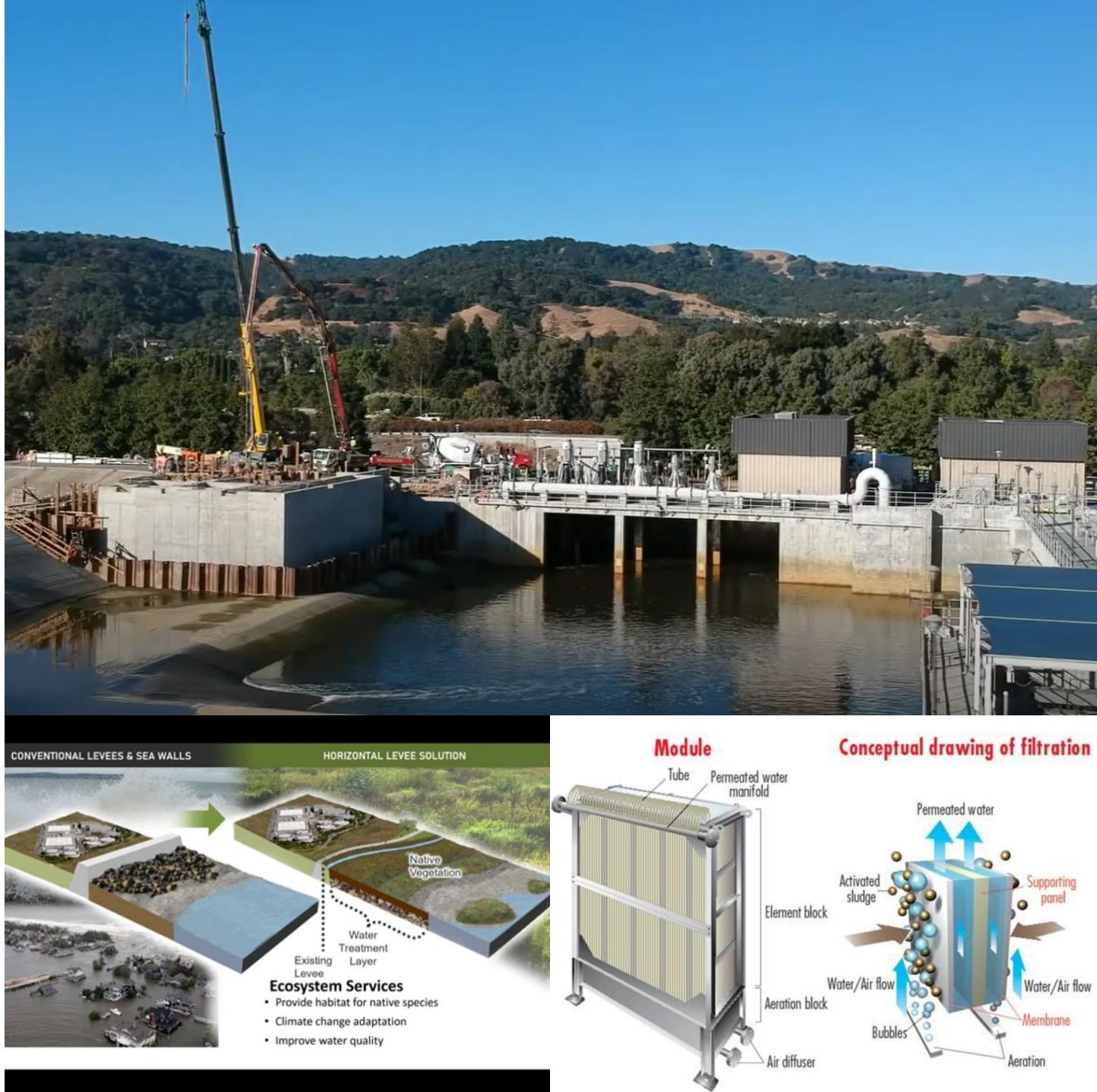
come from industrial  
discharge and runoff  
via the Sacramento  
River Delta

**66%**

come from community  
water use via treated  
wastewater

# Types of Nutrient Reduction

- Traditional Nutrient Reduction
- Membrane Activated Bio-Reactor
- Multi-Beneficial Solutions
  - Horizontal Levees
  - Water Recycling





RECYCLED WATER

# DERWA

Dublin San Ramon Services District  
East Bay Municipal Utility District  
Recycled Water Authority

## RECYCLED WATER PARTNERSHIP

**1995**

DERWA JPA formed  
between Dublin San Ramon  
Services District (DSRSD)  
and East Bay Municipal  
Utility District (EBMUD)

**2003**

DERWA Supply & Sales  
Agreements set terms for  
implementation of DERWA  
Program

**2006**

San Ramon  
Valley Recycled  
Water Program  
deliveries began

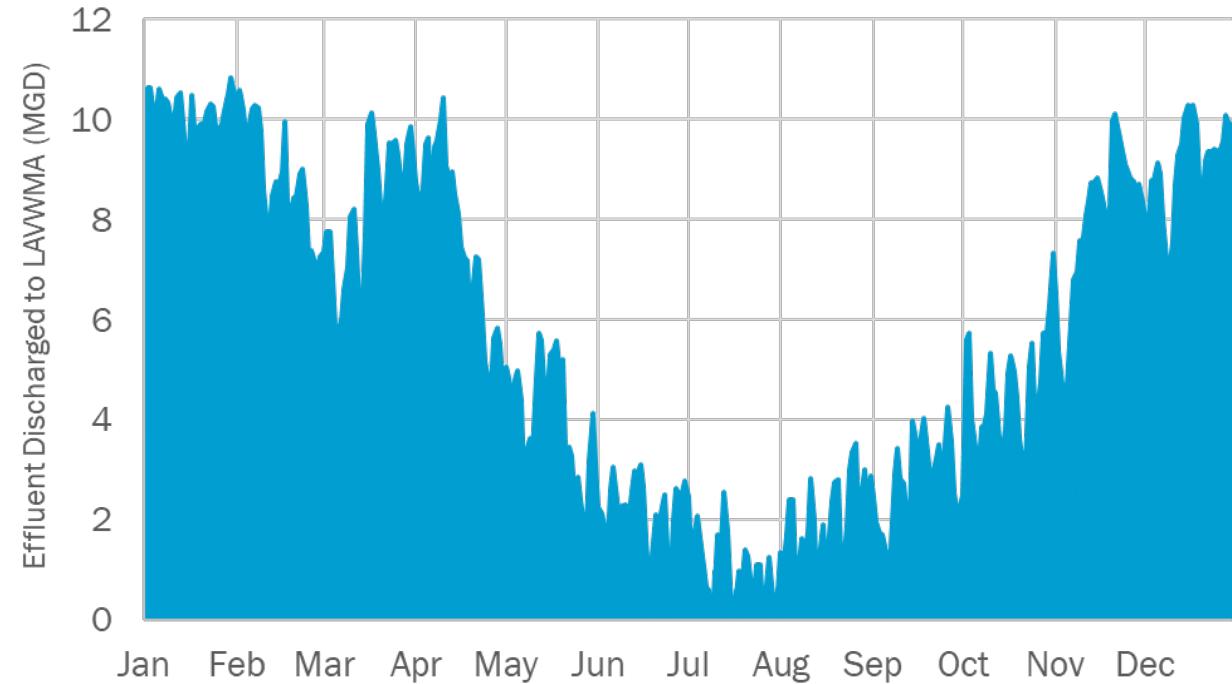
**2014**

Pleasanton  
becomes the third  
agency to receive  
water from DERWA



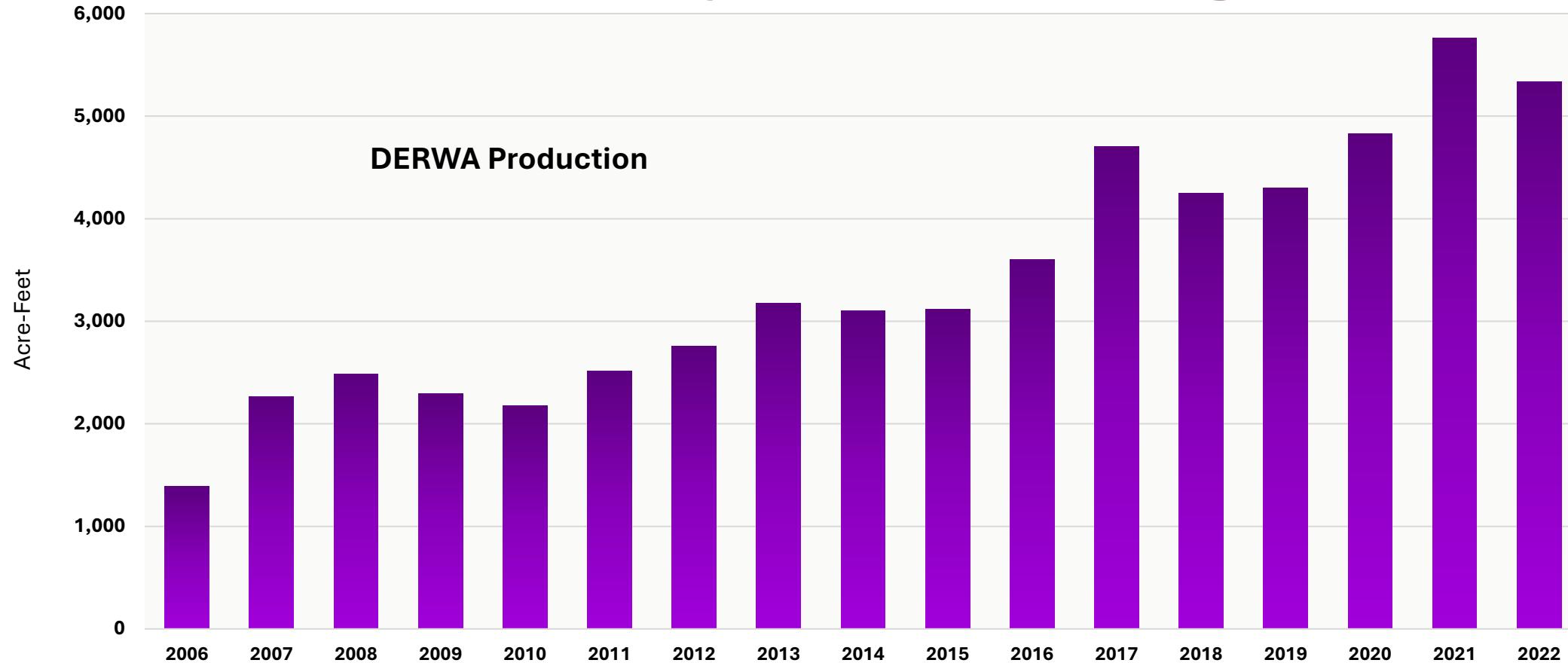
# Reducing Nutrient Impacts to the Bay

Recycled water program supports a healthy San Francisco Bay



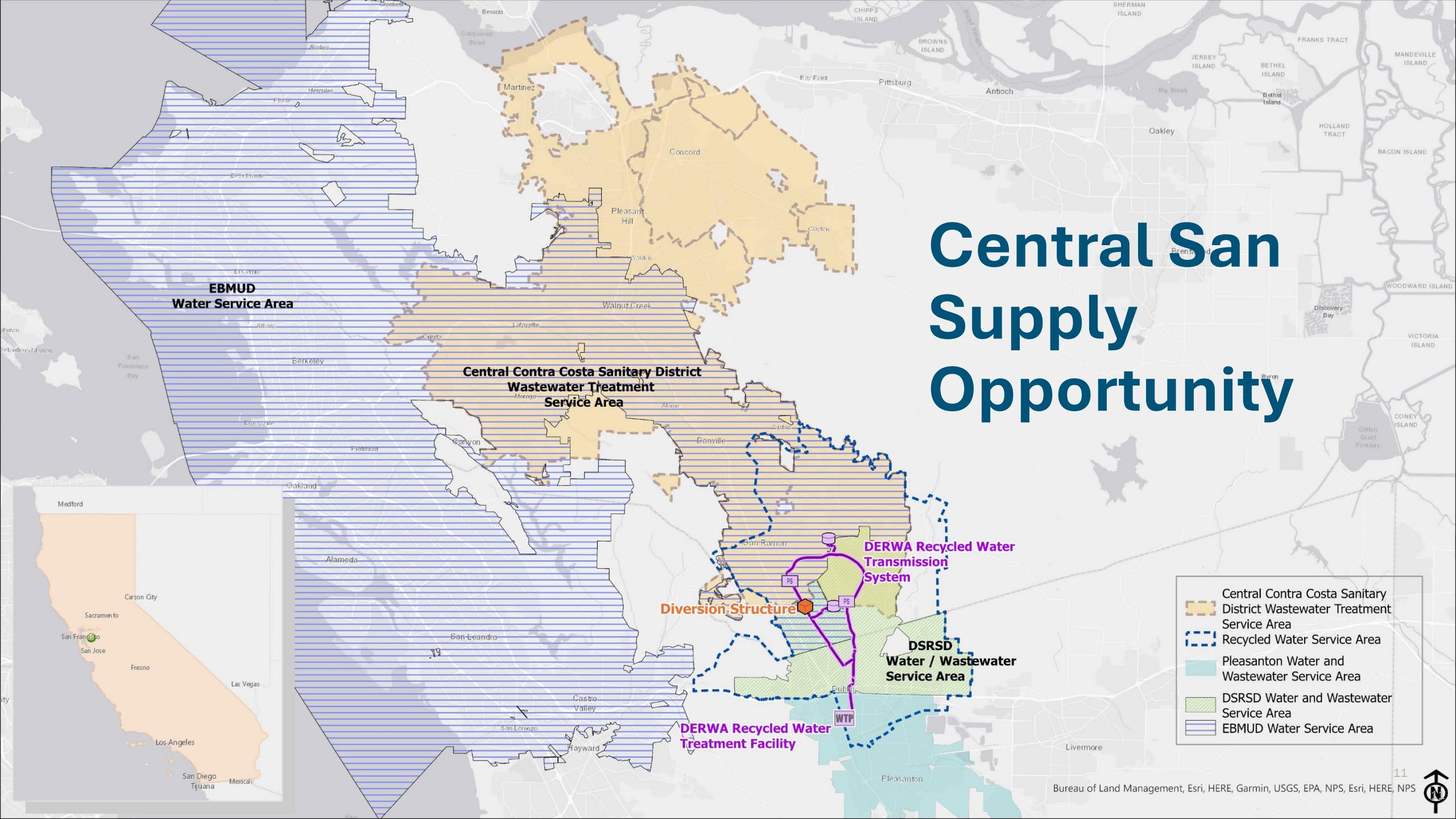
Up to 80% nitrogen reduction during dry weather

# Growth in Recycled Water Program



**20 Billion Gallons Recycled**  
**3,300 tons of nutrients diverted from the Bay**

# Central San Supply Opportunity

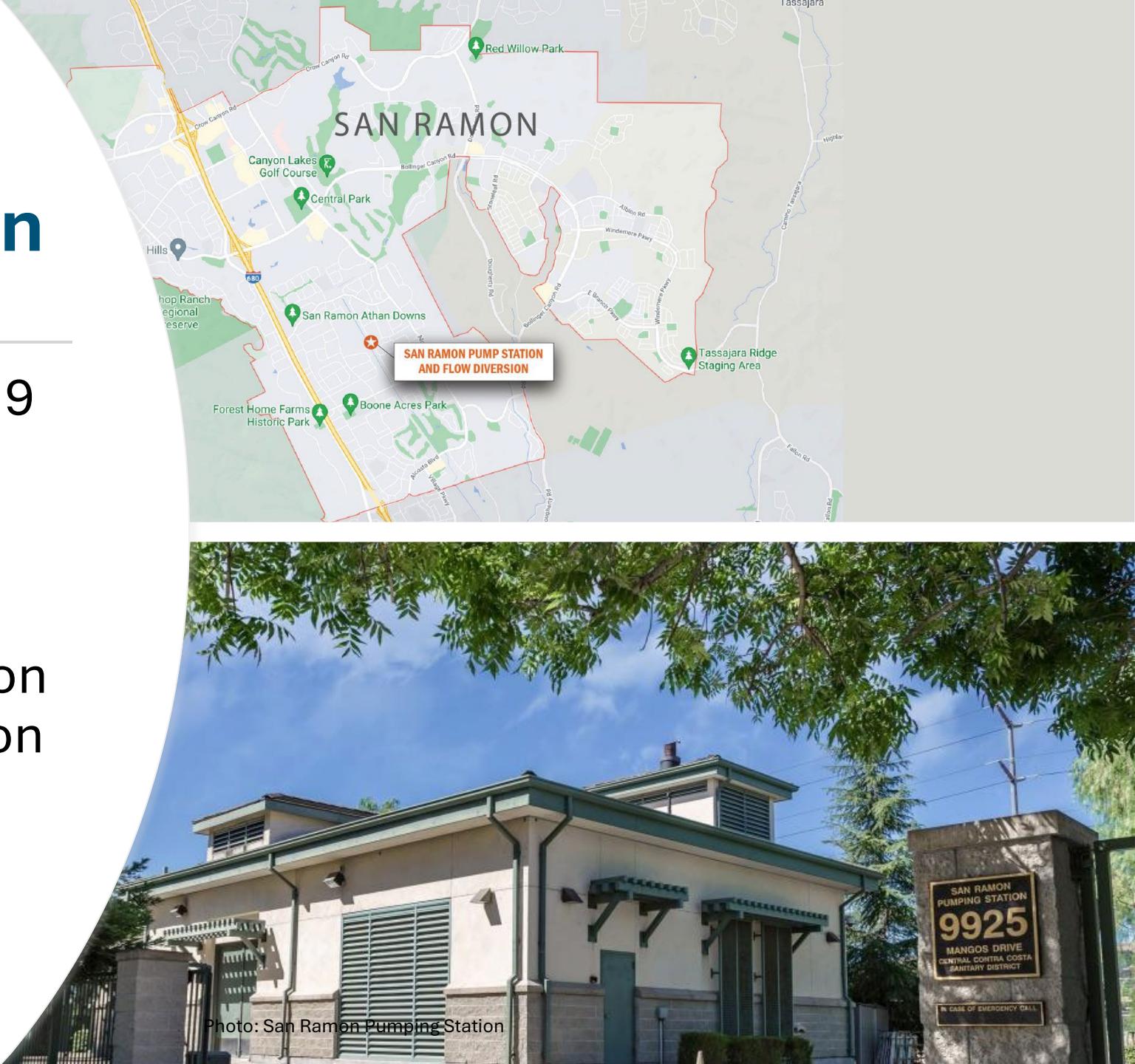


- Central Contra Costa Sanitary District Wastewater Treatment Service Area
- Recycled Water Service Area
- Pleasanton Water and Wastewater Service Area
- DSRSD Water and Wastewater Service Area
- EBMUD Water Service Area



# Temporary DERWA-Central San Diversion Project

- Executed agreement in 2019
- Up to 5-year term, expires January 2026
- 0.7 mgd of wastewater diverted to DSRSD collection system during peak irrigation season

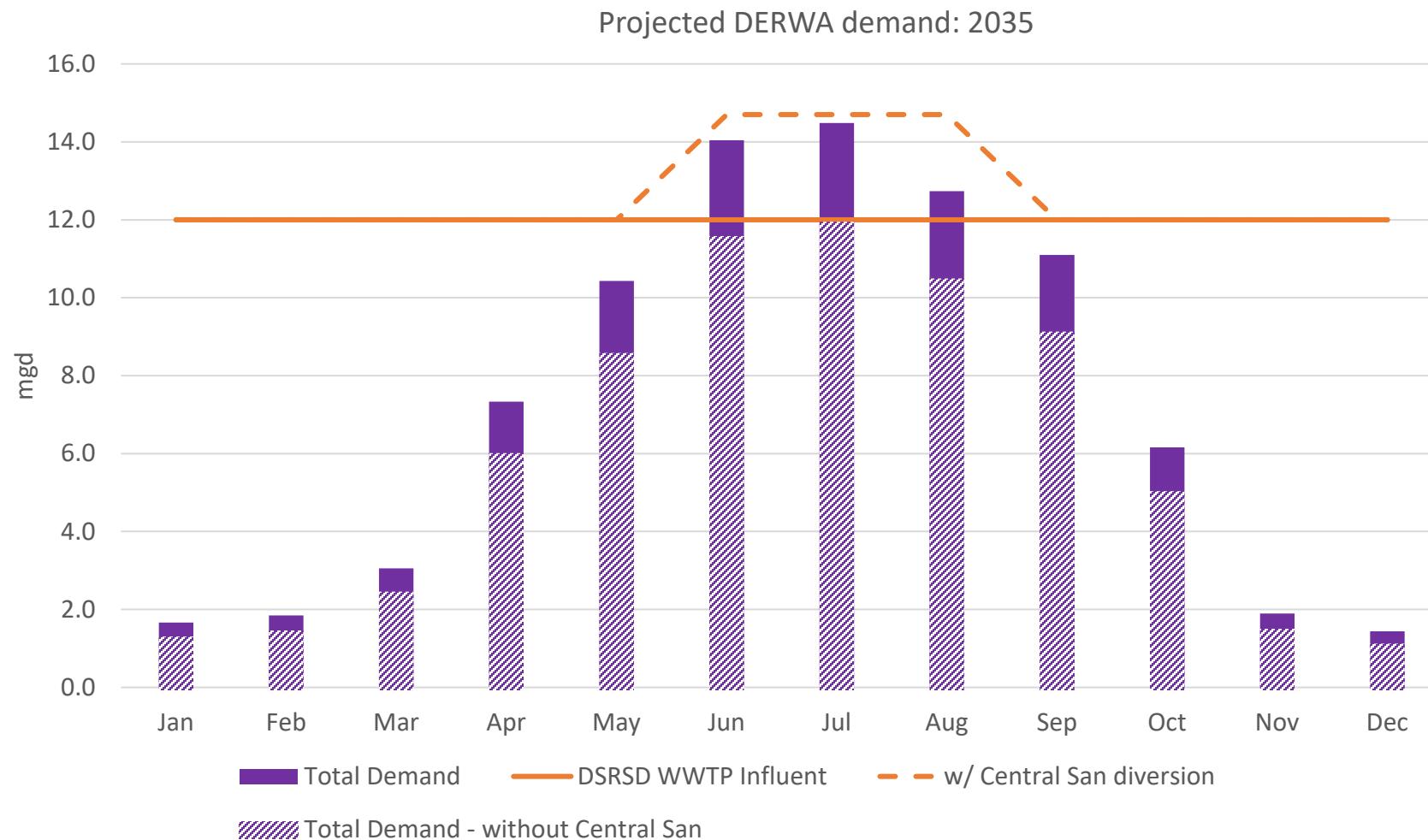


# Long-term Agreement with Central San Multiple Benefits



- Improve water resiliency for the region
- Expand recycled water system to reach new customers
- Reduce nutrient discharges to San Francisco Bay

Diverting wastewater from Central San (2.7 mgd, June-Aug) would enable DERWA to expand its customer base and meet demands for next ten years





---

# Questions?