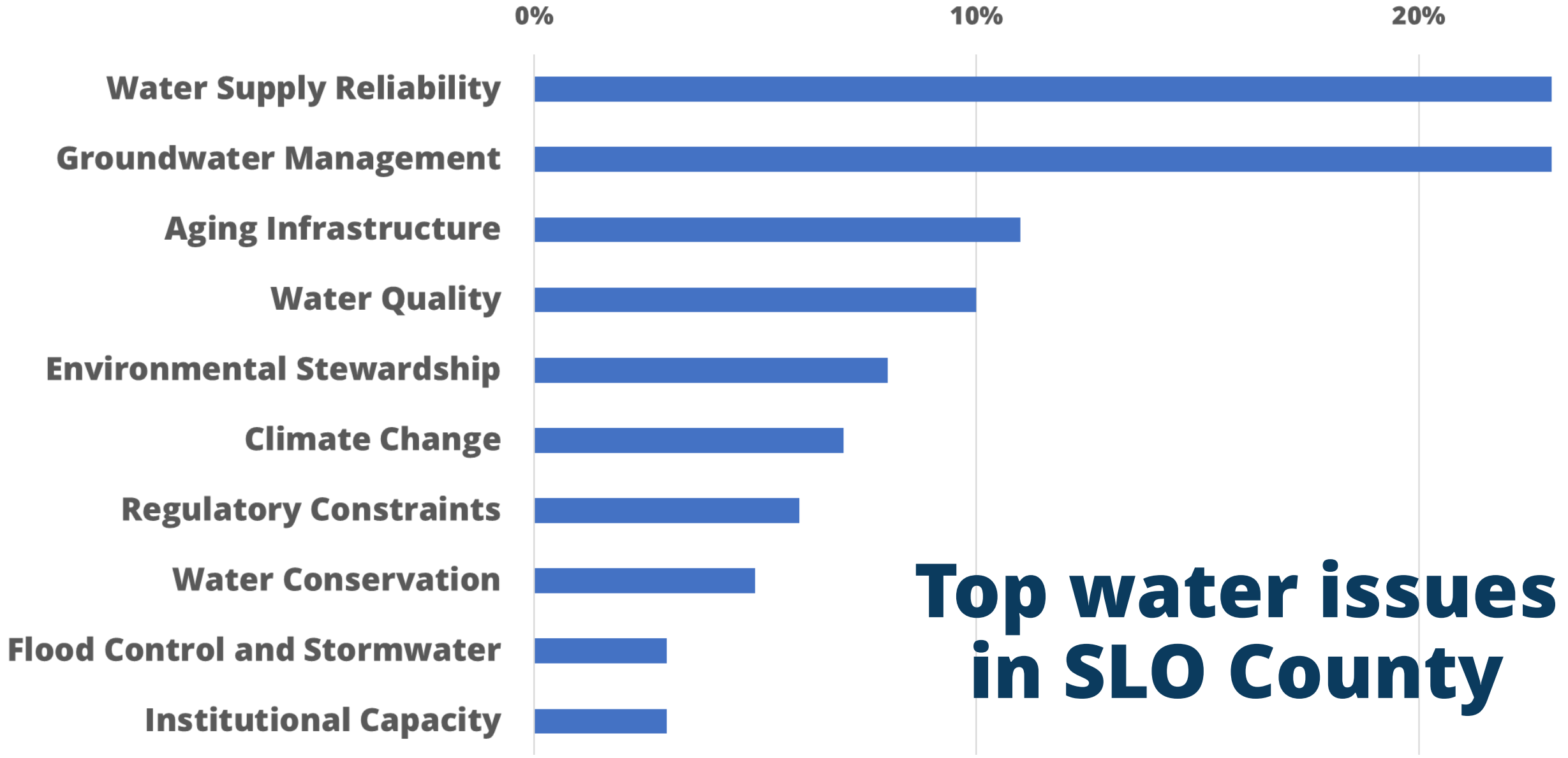


PUBLIC WORKSHOP

# Integrated Regional Water Management (IRWM)

Presented by Mladen Bandov  
County of San Luis Obispo  
Department of Public Works



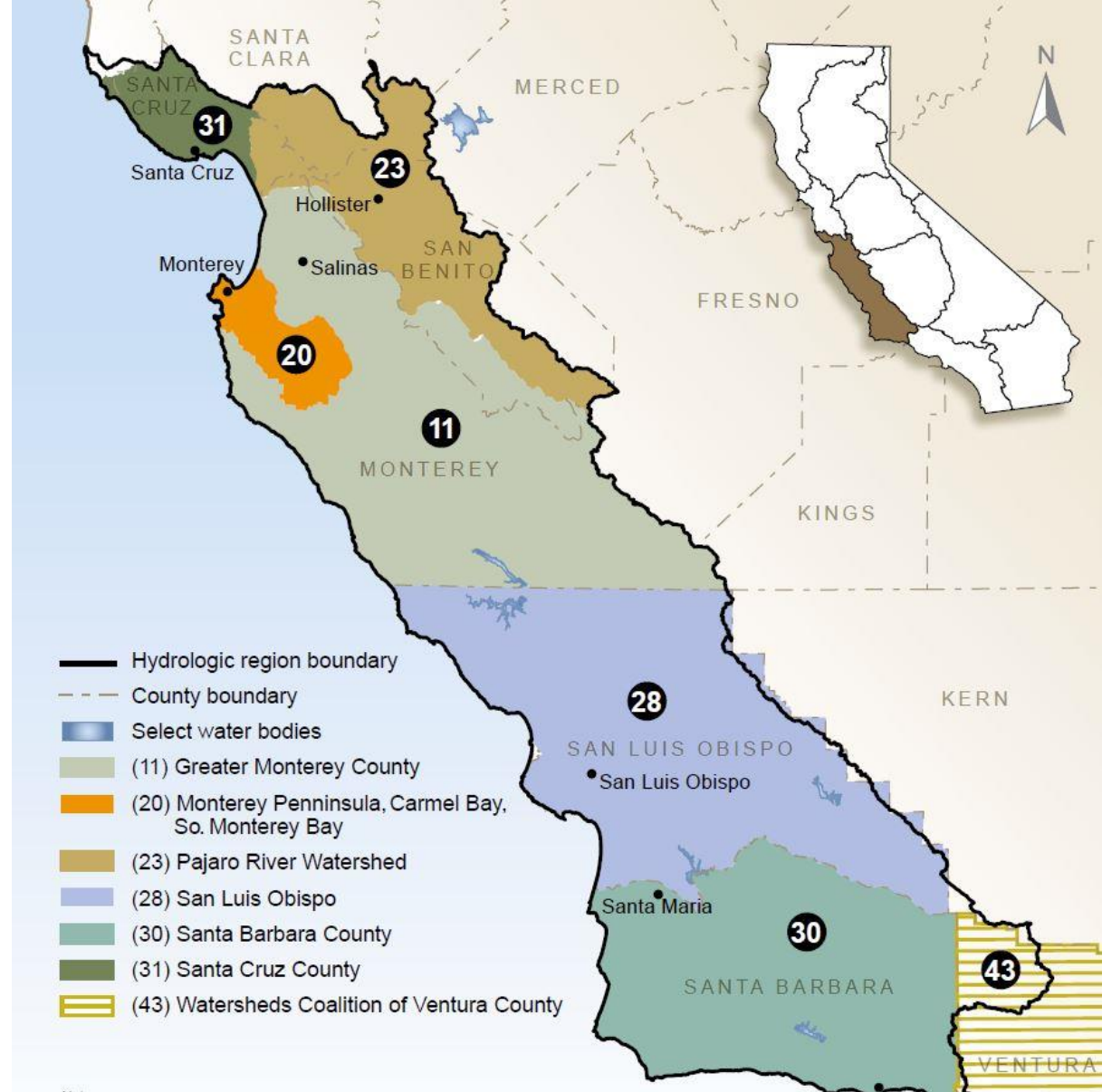


# Top water issues in SLO County



# IRWM Planning Act of 2002

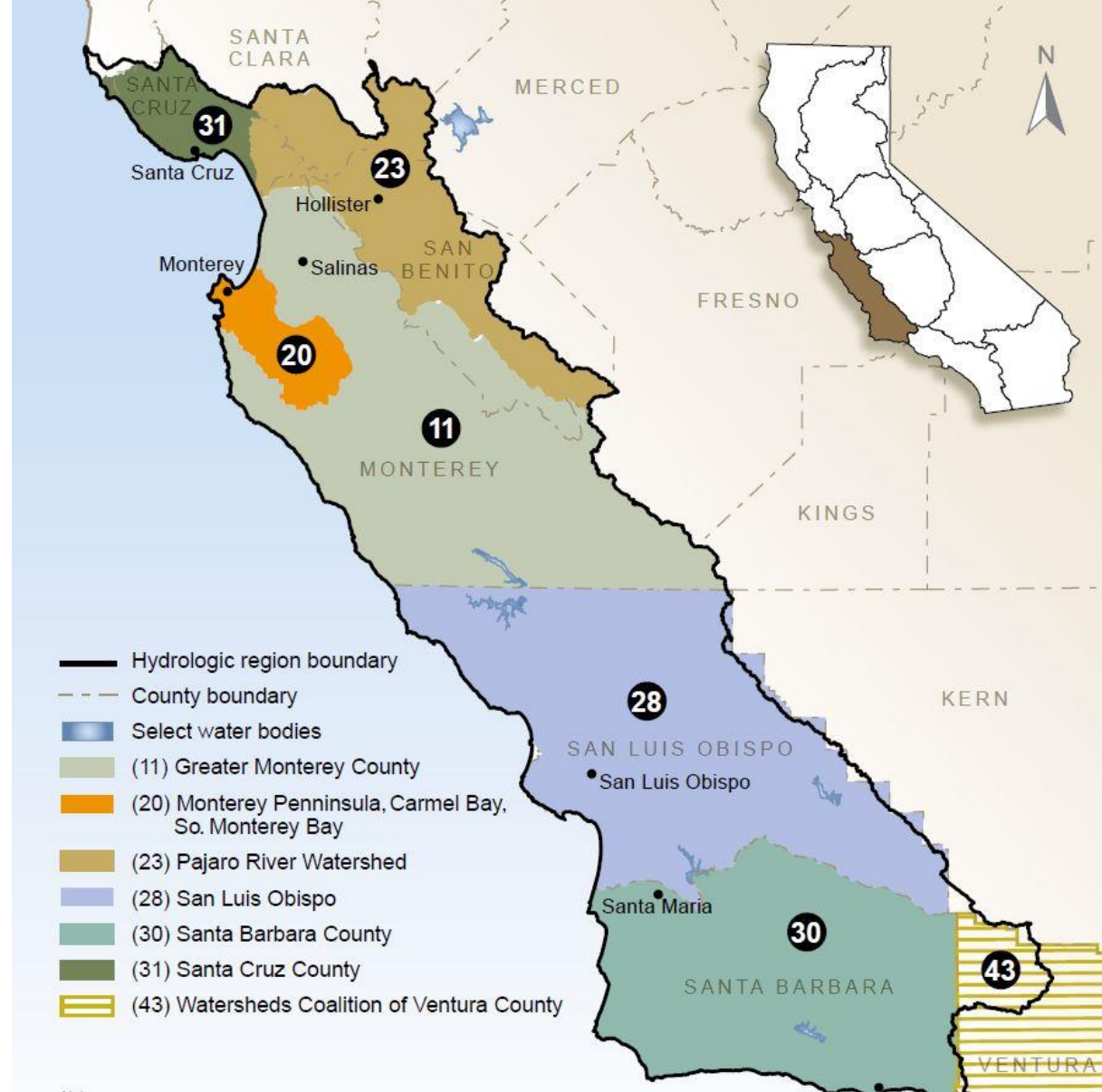
- 49 regions in California
- **San Luis Obispo County IRWM region is located in the Central Coast Area**



# Three voter-approved State bond measures

- In 2002, Proposition 50
- In 2006, Proposition 84
- In 2014, Proposition 1

To support IRWM planning and implementation efforts  
**\$2 billion total**



# Why IRWM?

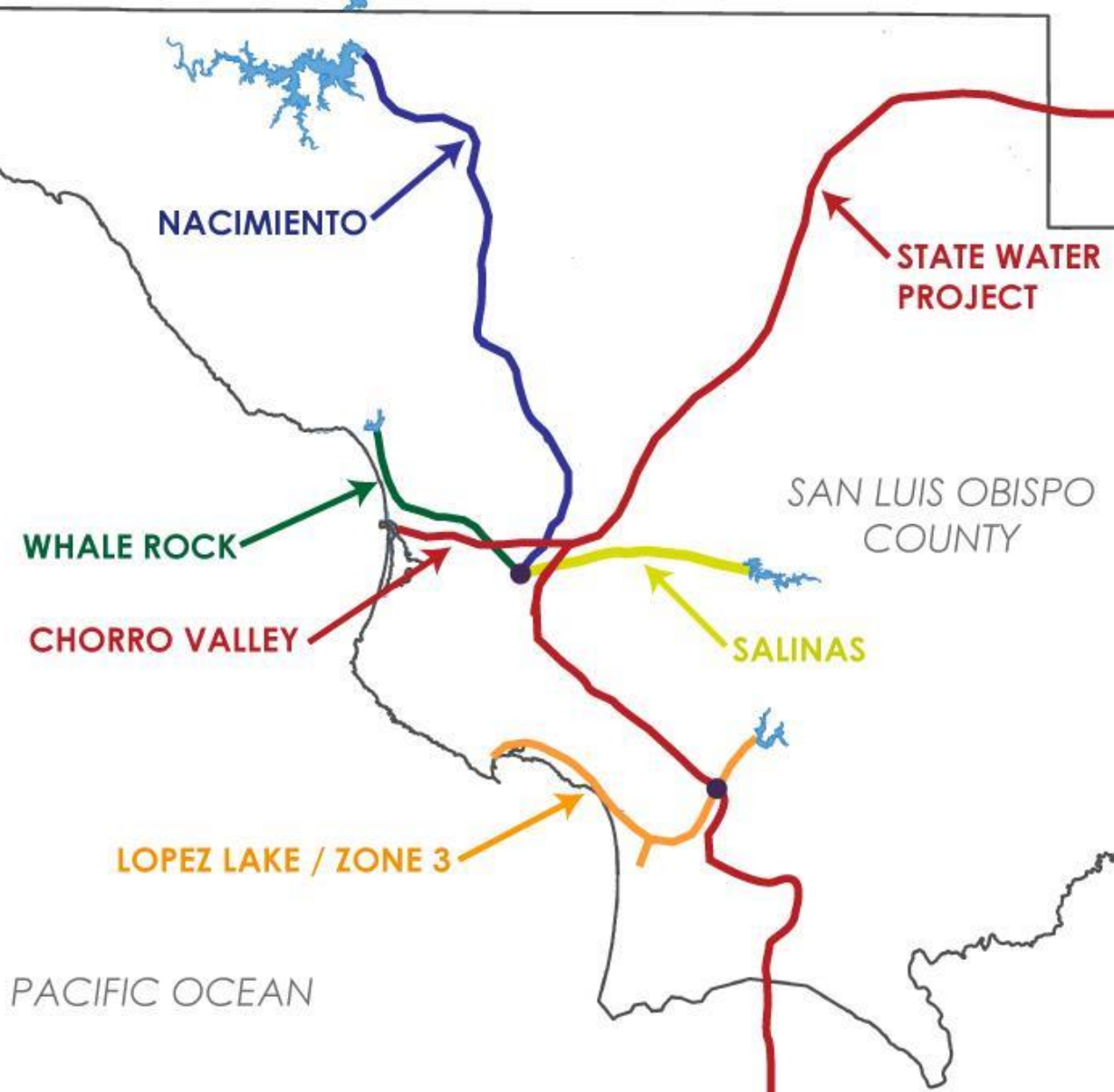
- Greater drought impacts
- Increasing flood risk
- Depleting groundwater
- Declining ecosystems
- Degraded water quality
- Aging infrastructure
- Changing water demands
- Climate change



# Governor Brown's California Water Action Plan

Action #2: Increase regional self-reliance and integrated water management across all levels of government

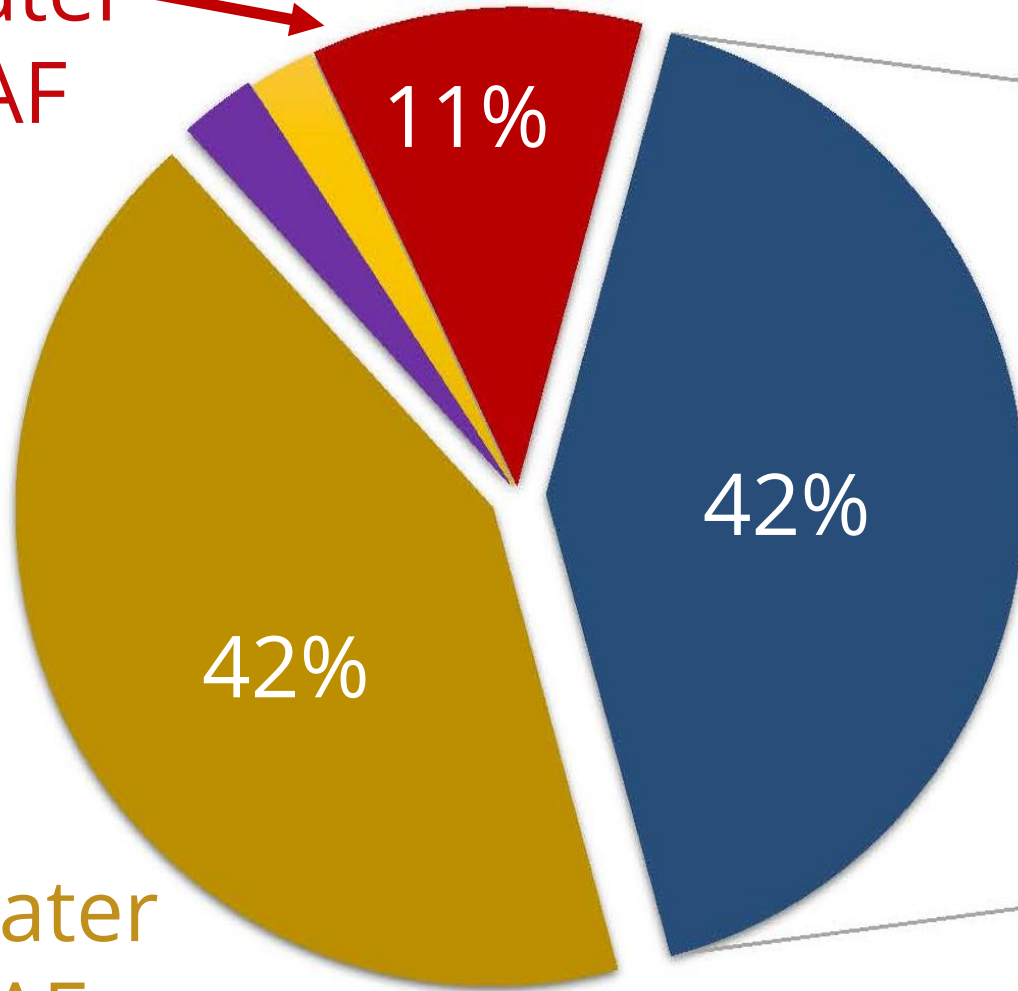




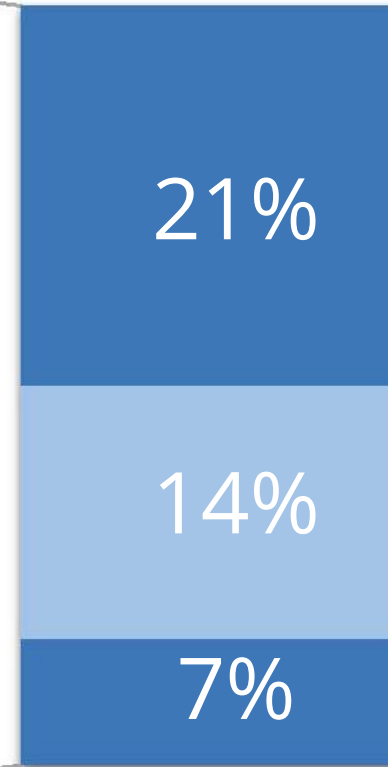
## Major Infrastructure

- State Water Project
- Lopez Lake Pipeline
- Nacimiento Pipeline
- Salinas Pipeline
- Whale Rock Pipeline

State Water  
3,200 AF



Local Surface Water



Nacimiento  
6,000 AF

Lopez  
4,000 AF

Salinas &  
Whale Rock  
2,000 AF

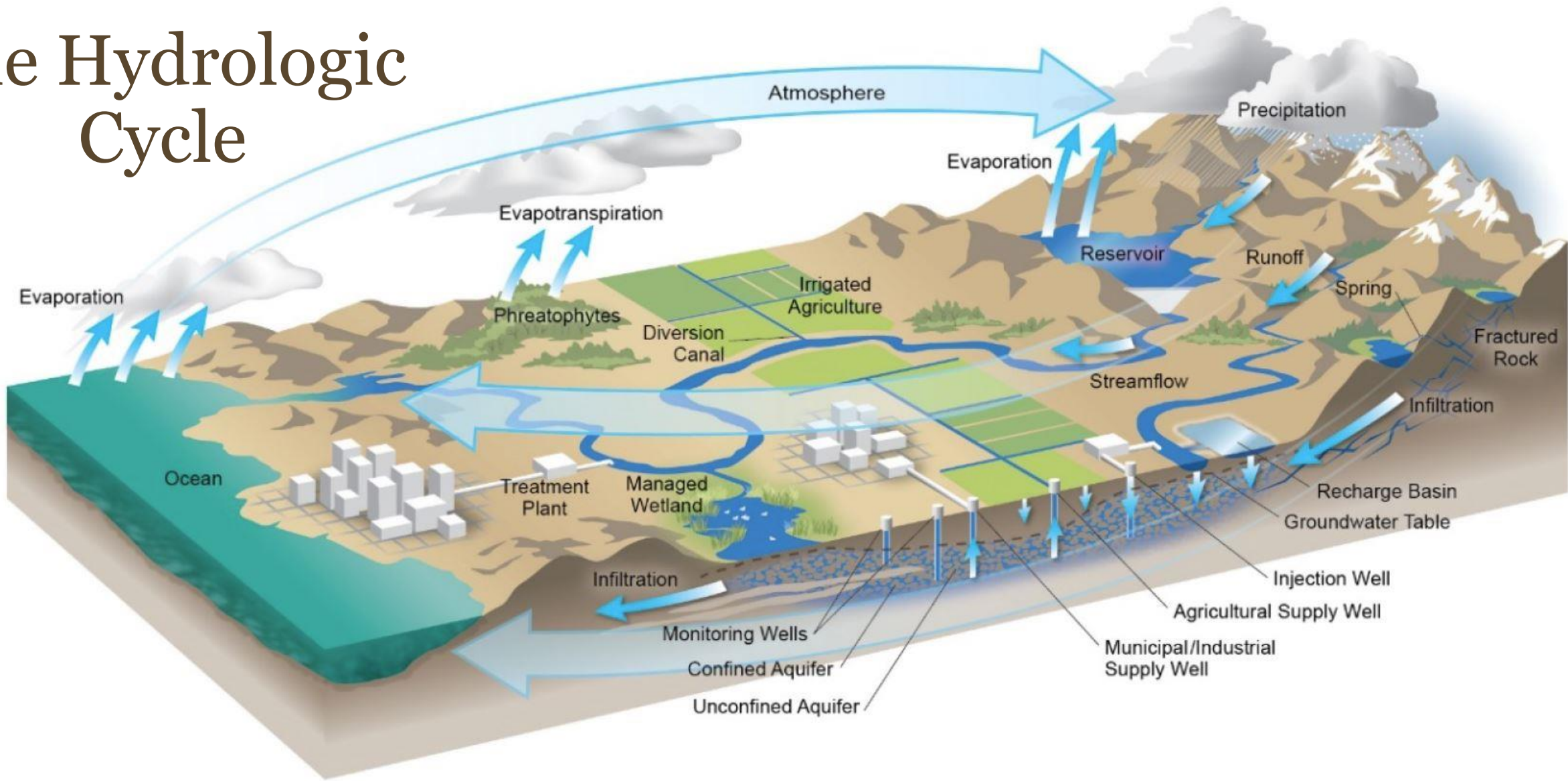
Groundwater  
12,400 AF



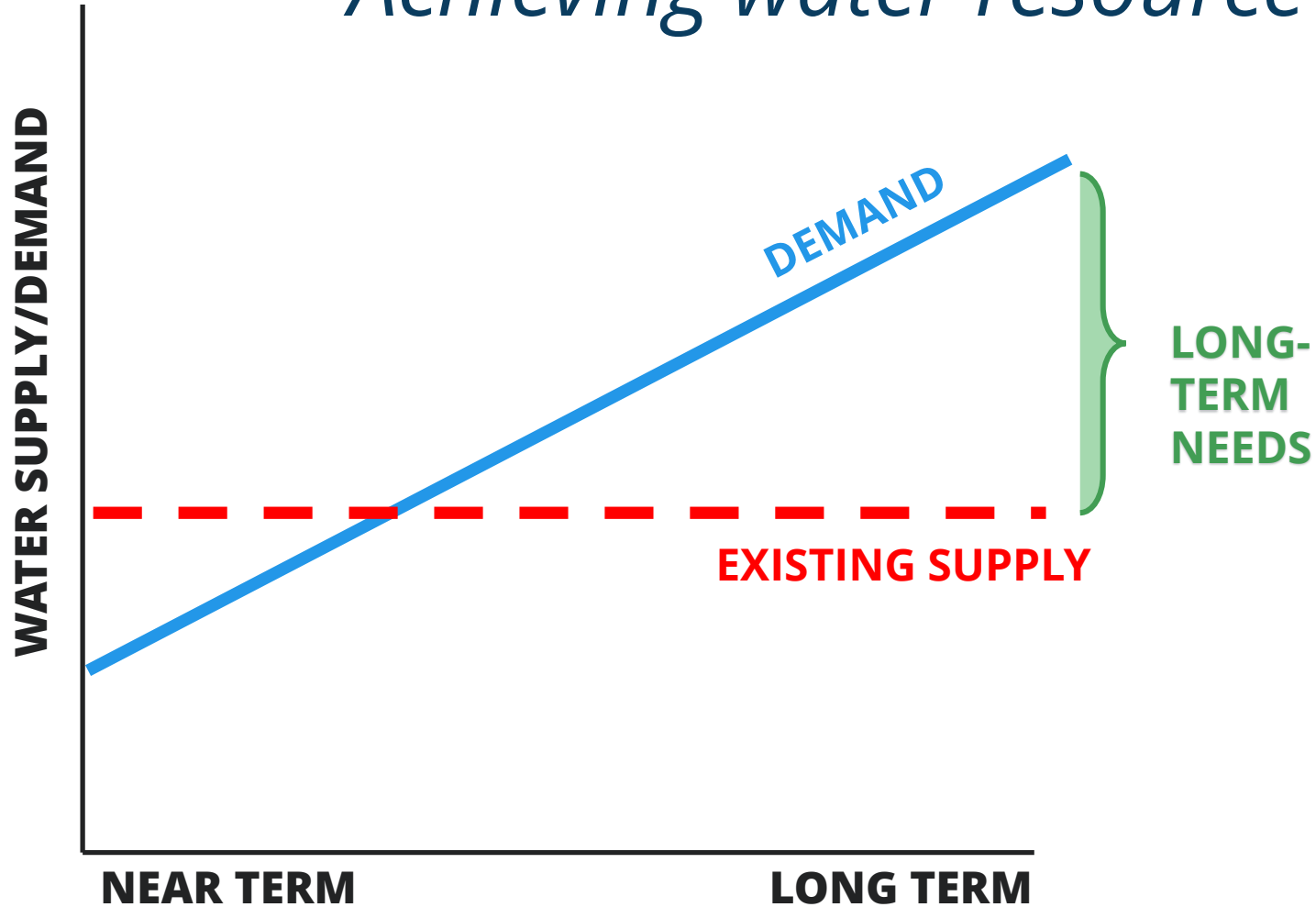
Major Urban Water Supplies 2015  
29,000 Acre-Feet (AF)



# The Hydrologic Cycle



# Achieving water resource sustainability



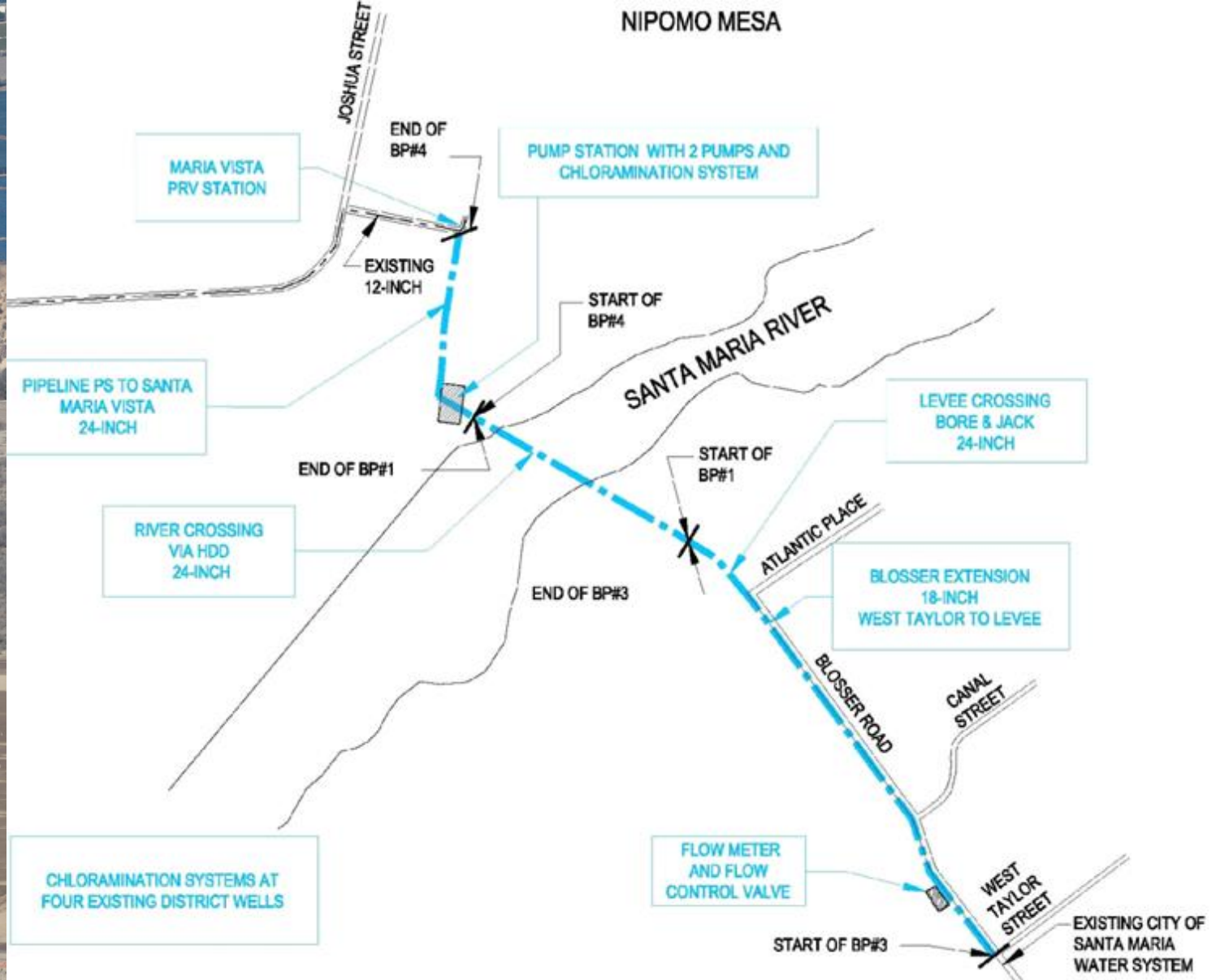
## Long-Term Needs

- Existing Deficiencies
- General Plan
- Resiliency



# Los Osos Wastewater Project

[www.slocounty.ca.gov](http://www.slocounty.ca.gov)



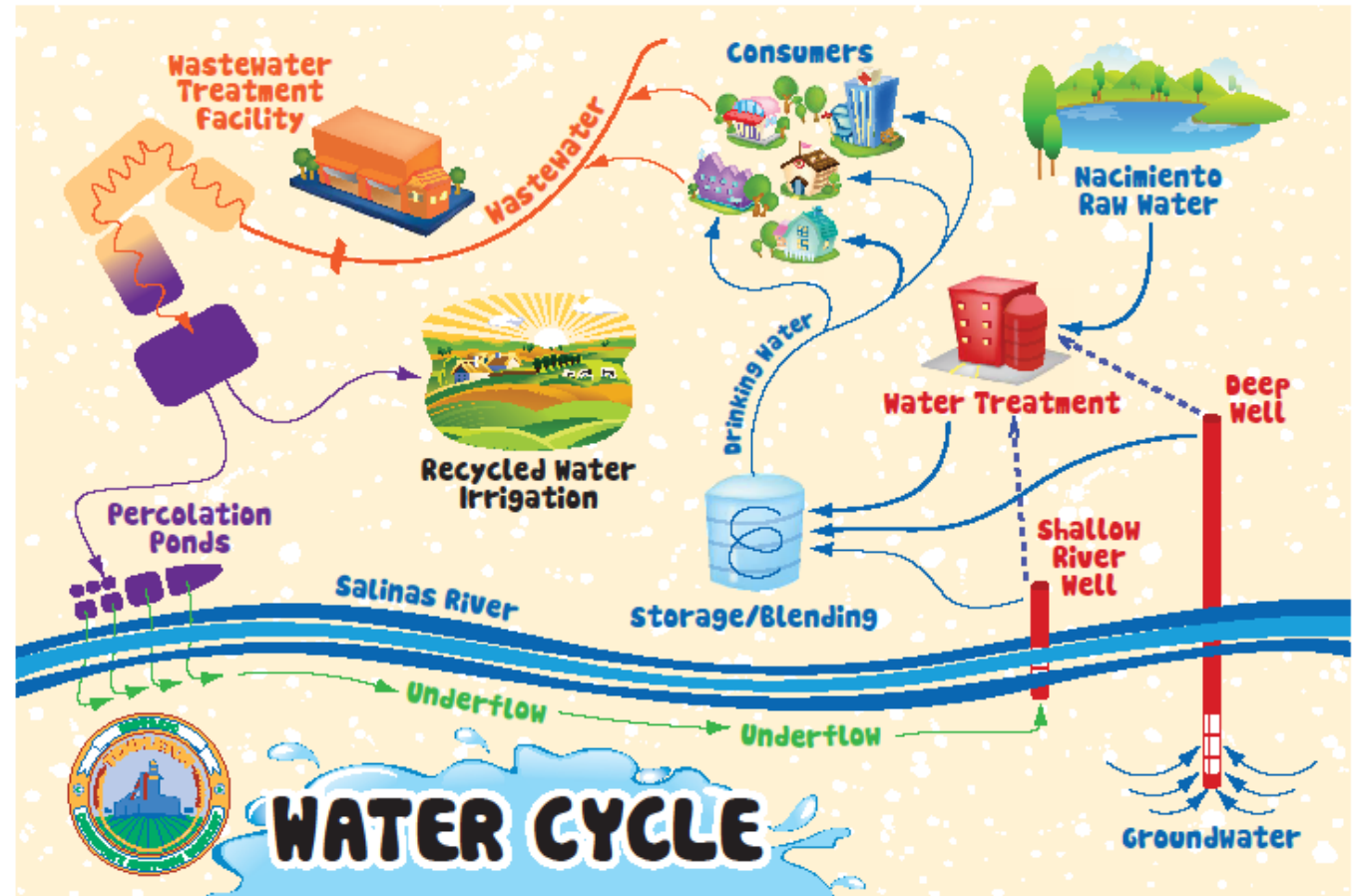
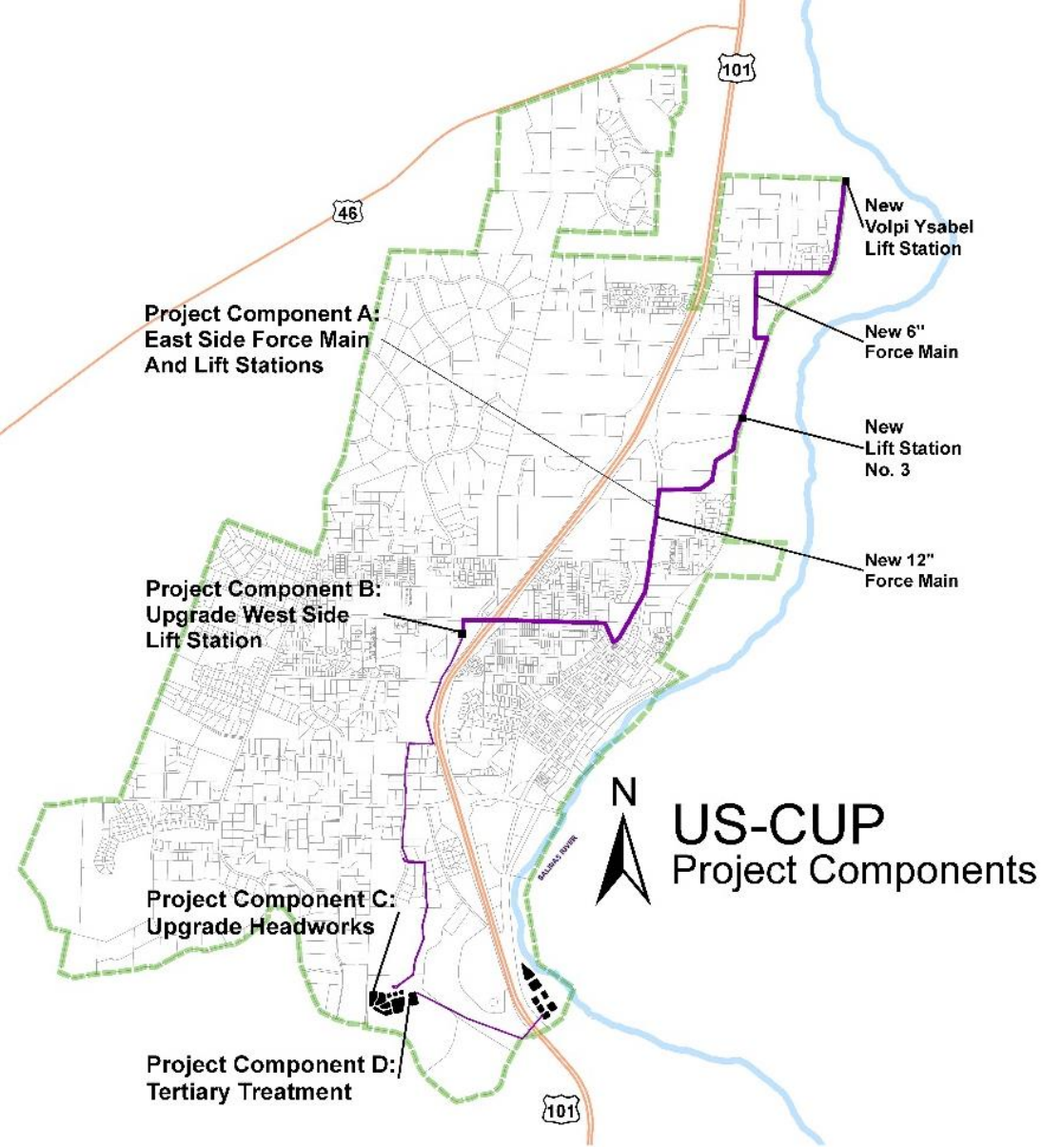
# Nipomo CSD Supplemental Water Project



# Santa Margarita (CSA 23) – Garden Farms - Atascadero MWC Intertie



# Heritage Ranch CSD Emergency Intertie



# Templeton CSD Conjunctive Use Project

# Water Resource Management Strategies

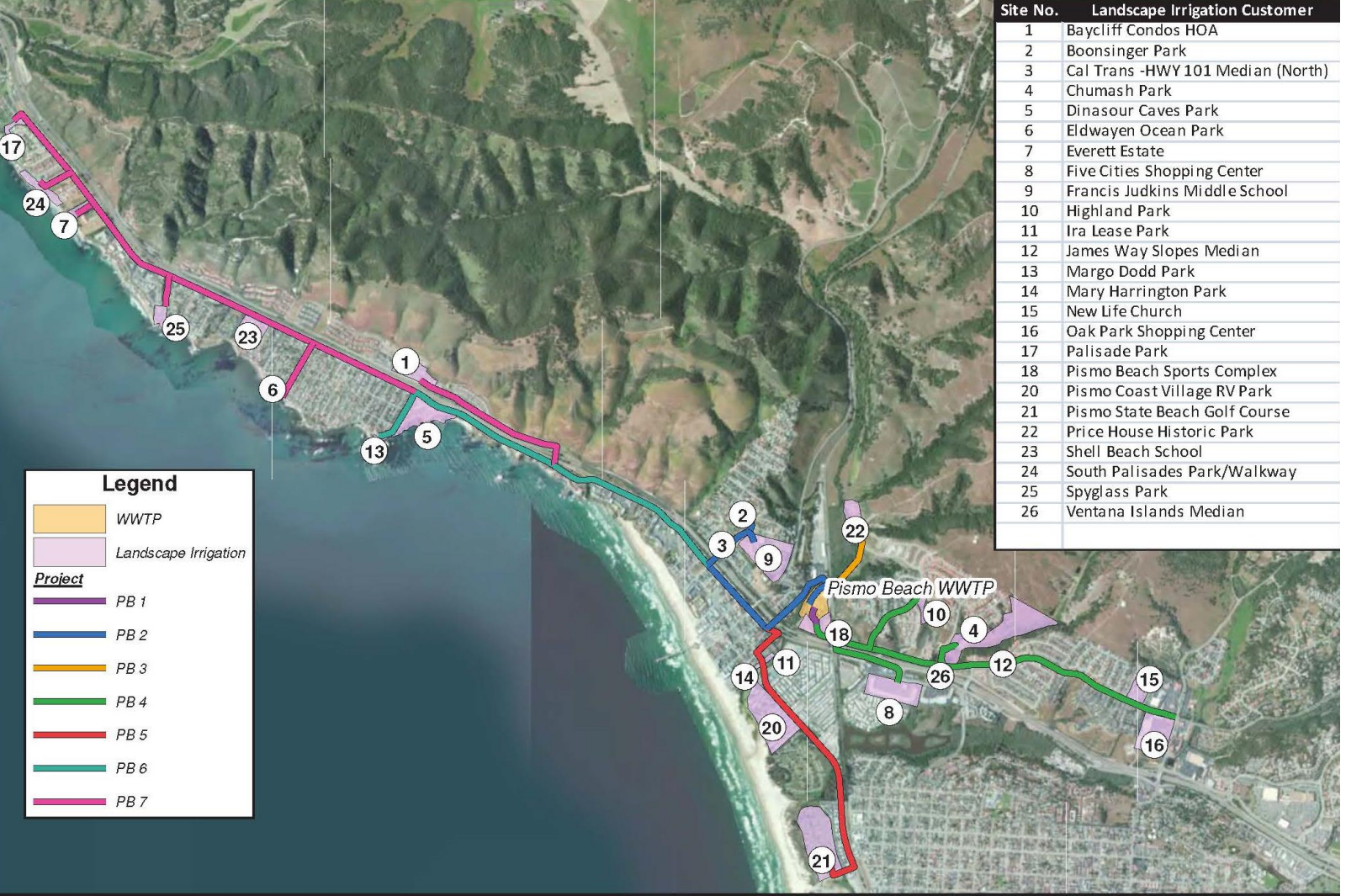
## 2012 Master Water Report

- Conservation Programs
- Recycled Water
- Desalination
- Optimize Nacimiento Water Project\*
- Land Use Management
- Optimize State Water Project
- Groundwater Recharge
- Groundwater Supply
- Salinas Reservoir Expansion/Exchange
- Lopez Lake Expansion/Exchange
- Nipomo Supplemental Water\*
- Precipitation Enhancement
- New Off/On-Stream Storage/Recharge

\*completing





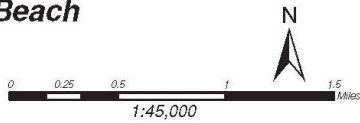


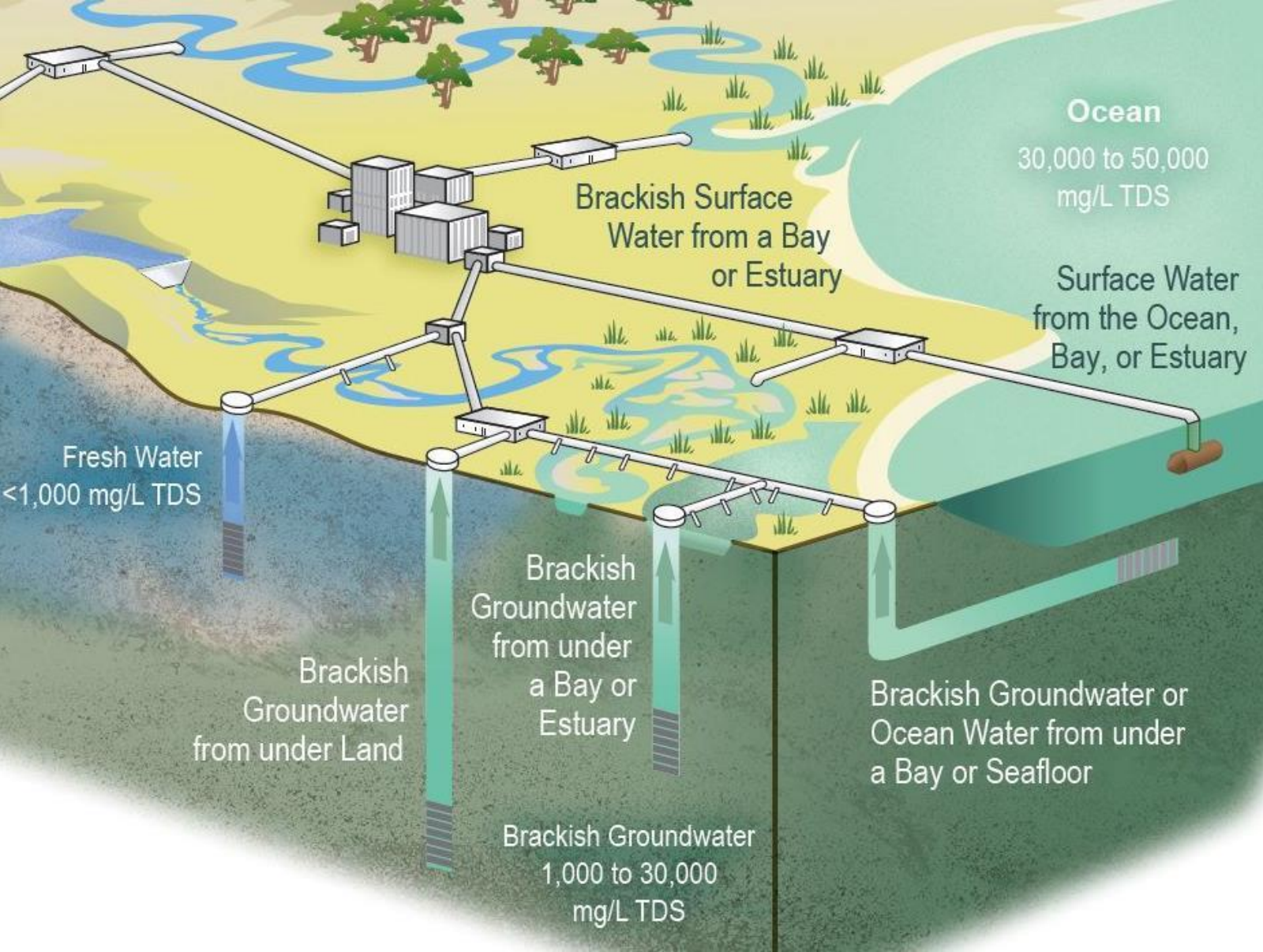
# Recycled Water

- Statewide regulations on direct potable reuse in progress
- Focused on advanced water treatment to drinking water

Figure 8-2: Potential Landscape Irrigation Projects - Pismo Beach

San Luis Obispo County  
 Regional Recycled Water Strategic Plan  
 FINAL NOVEMBER 2014





# Desalination

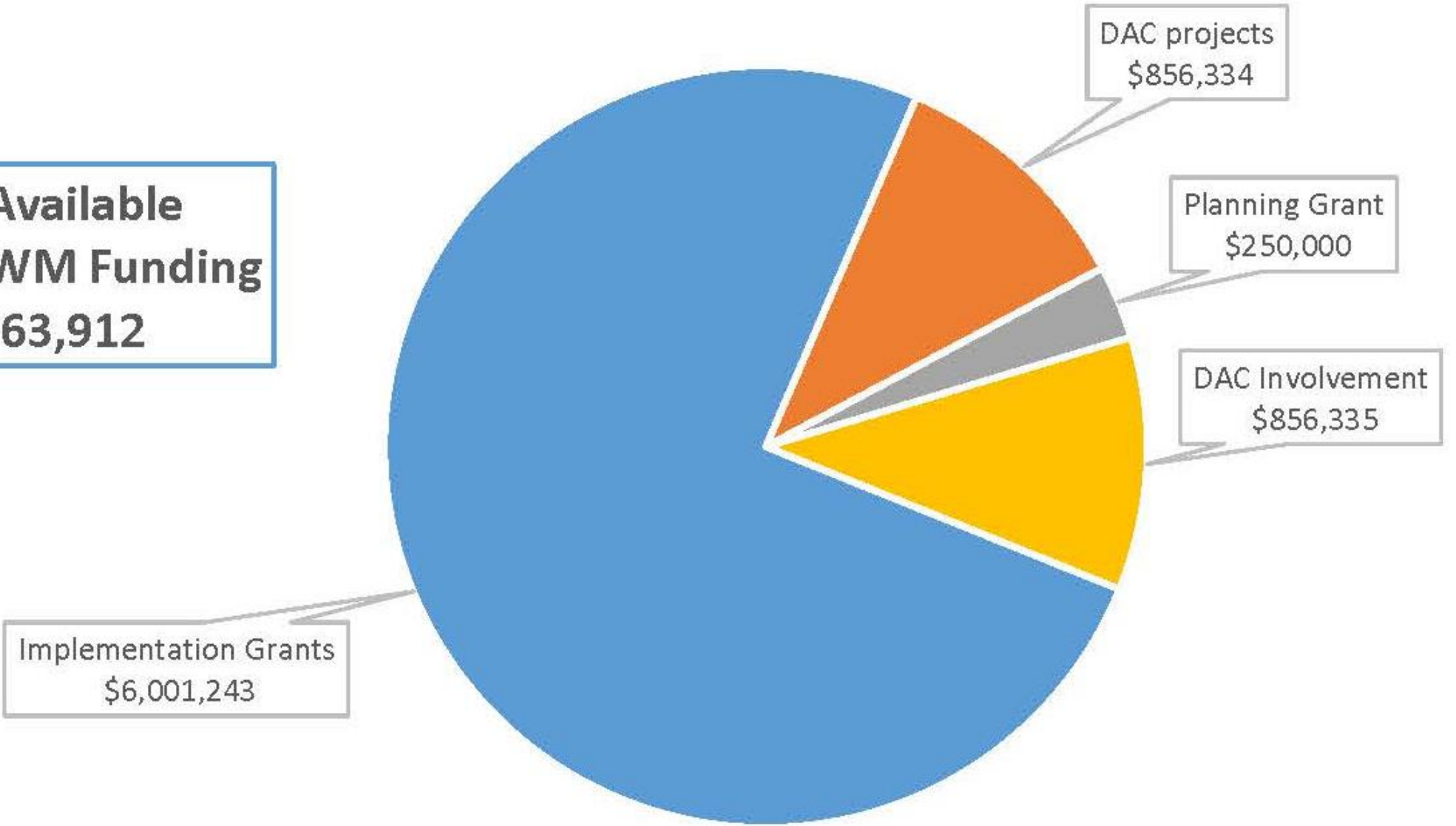
- Issue with surface water from ocean (Water Board's new Desal amendment)
- Subsurface intakes
- Co-locate with existing facility



# Salinas Reservoir Expansion

- Current capacity at 24,000 AF
- Installing the 19-foot spill gate increases capacity to 45,000 AF

**Total Available  
Prop 1 IRWM Funding  
\$7,963,912**



# Regional Water Management Group (RWMSG)

- 27 local agencies and nonprofit organizations in San Luis Obispo County
- Responsible for the development and implementation of the IRWM Plan



# IRWM Plan

- Update to new state standards (by April 2018)
- Documents the region's water-related info
- IRWM goals and objectives
- Resource Management Strategies (RMS)
- Integration opportunities



# IRWM Goals

- Water Supply
- Ecosystem and Watershed
- Groundwater Monitoring & Management
- Flood Management
- Water Resources Management & Communication



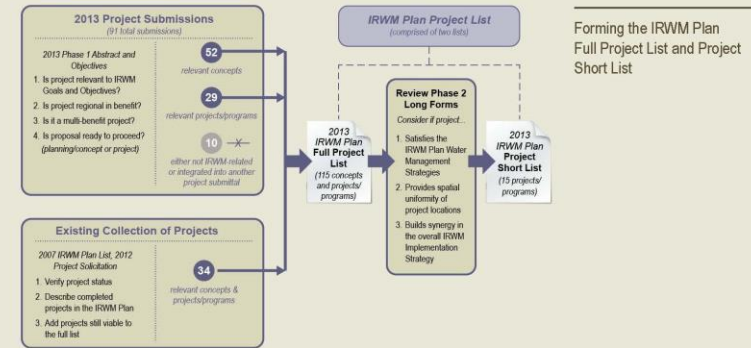
# Resource Management Strategies (RMS)

<b>Reduce Water Demand</b>	<b>Improve Water Quality</b>
Agricultural Water Use Efficiency	Drinking Water Treatment & Distribution
Urban Water Use Efficiency	Groundwater / Aquifer Remediation
<b>Improve Operational Efficiency &amp; Transfers</b>	Matching Quality to Use
Conveyance – Delta	Pollution Prevention
Conveyance – Regional / Local	Salt & Salinity Management
System Reoperation	Urban Stormwater Runoff Management
Water Transfers	<b>Practice Resource Stewardship</b>
<b>Increase Water Supply</b>	Agricultural Land Stewardship
Conjunctive Management & Groundwater	Ecosystem Restoration
Desalination — Brackish & Seawater	Forest Management
Precipitation Enhancement	Land Use Planning & Management
Recycled Municipal Water	Recharge Areas Protection
Surface Storage – CALFED	Sediment Management*
Surface Storage – Regional/Local	Watershed Management
<b>Improve Flood Management</b>	<b>People &amp; Water</b>
Flood Management	Economic Incentives (Loans, Grants, & Water Pricing)
<b>Other Strategies</b>	Outreach and Engagement*
Crop idling, dew vaporization, fog collection, irrigated land retirement, rainfed agriculture, and waterbag transport	Water and Culture*
	Water-Dependent Recreation





# IRWM Project List

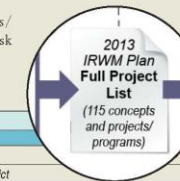


## FULL PROJECT LIST

The Full Project List below identifies the 115 IRWMP-related concepts and projects/programs by Sub-Region, and includes the project sponsor. Projects followed by an asterisk also show up on the Project Short List.

### Full Project List

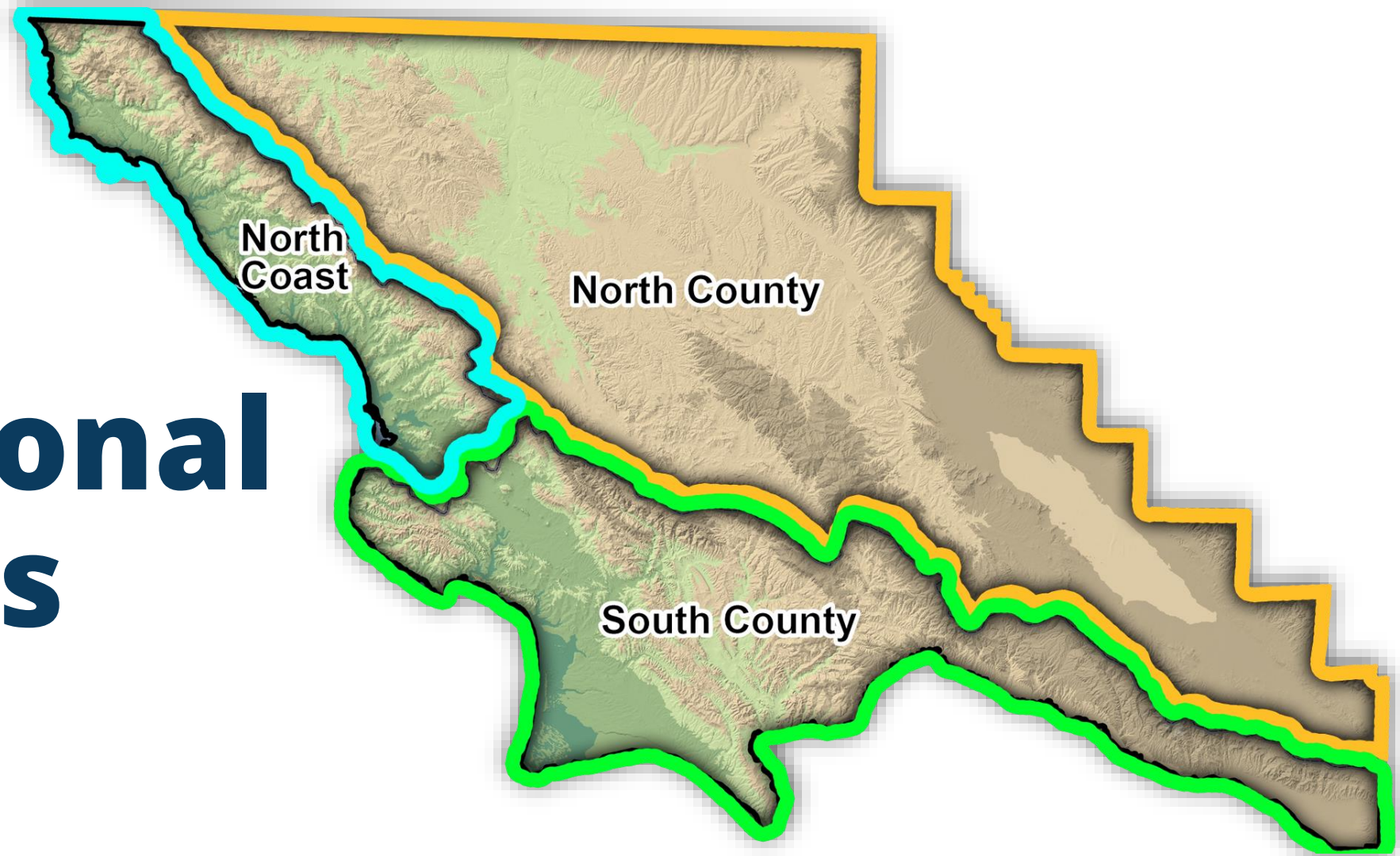
#	Project, Sponsor
<b>Multi-Regional Submittals</b>	
1	Conservation Planning for Coastal Watersheds, Coastal San Luis Resource Conservation District
2	Agricultural Water Management and Conservation Program, Coastal San Luis Resource Conservation District
3	Closing Priority Conservation Data Gaps, Coastal San Luis Resource Conservation District
4	Countywide Watershed and Creek Signage, Upper Salinas Las Tablas Resource Conservation District (US-LTRCD)
5	Countywide Watershed Planning Phase II, Coastal San Luis Resource Conservation District
6	Desalination Study, Various
7	Development of Basic Salt & Nutrient Management Plans, Various
8	Feasibility Study for Recycled Water for Agricultural Use, Coastal San Luis Resource Conservation District
9	Federal Flood Insurance Program Compliance Study, San Luis Obispo County Flood Control and Water Conservation District
10	Invasive Species Program, County of San Luis Obispo
11	Livestock & Land Program*, Coastal San Luis Resource Conservation District (CSLRCD) and Upper Salinas Las Tablas Resource Conservation District (US-LTRCD)
12	LID Pilot Program*, US-LTRCD
13	Mined Lands Remediation Program, San Luis Obispo County Flood Control and Water Conservation District
14	Raising Santa Margarita Dam, Paso Robles Agricultural Alliance for Groundwater Solutions (PRAAGS) (predecessor to future California Water District)
15	Rancher 2 Rancher Program, Coastal San Luis Resource Conservation District
16	Regional Implementation of Groundwater Management Activities, Various (depends on basin)
17	SLO Communities Water Enhancement Program, Central Coast Salmon Enhancement
18	Stormwater Rewards Rebate Program, Coastal San Luis Resource Conservation District



# Prioritization?

- Goals and Objectives
- Resource Management Strategies
- Projects

# Sub-regional priorities



# Identifying critical water issues in your community

Working

Not Working



# Impacts to your community if issues not addressed



# Program Preferences

- Multiple benefits & greatest public benefit
- Greater watershed coverage
- Innovative technology or practices



# Integration opportunities

- Stakeholder/Institutional
- Resources
- Project Implementation



# Next steps

1. IRWM Plan - Public Draft available mid-December
2. Sign-up for IRWM mailing list:  
[slocountywater.org/irwm](http://slocountywater.org/irwm)

