RBM Handout: 05/19/26
Agenda Item: D-1

STOCKTON EAST WATER DISTRICT

PROVIDING SERVICE SINCE 1948

Demand Beyond Supply: Building Resilience for Stockton East's Next 50 Years

May 19, 2026

SEWD's Visionary History

1948 Formation

1970 New Hogan Supply

1971 City of Stockton Inclusion

1976 Water Treatment Plant

1983 New Melones Supply

2003 First Recharge Project and Boundary Expansion

2007 WTP Improvements and Expansion

2010 New 10MG Clearwell

2020 73ac. Recharge CHCP

2023 Strategic Plan

2025 Master Plans

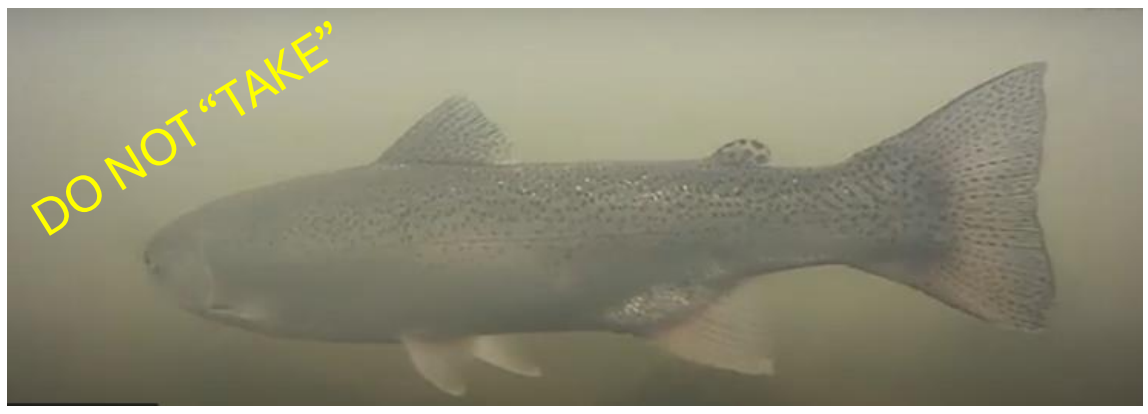
Beyond What's the Vision?

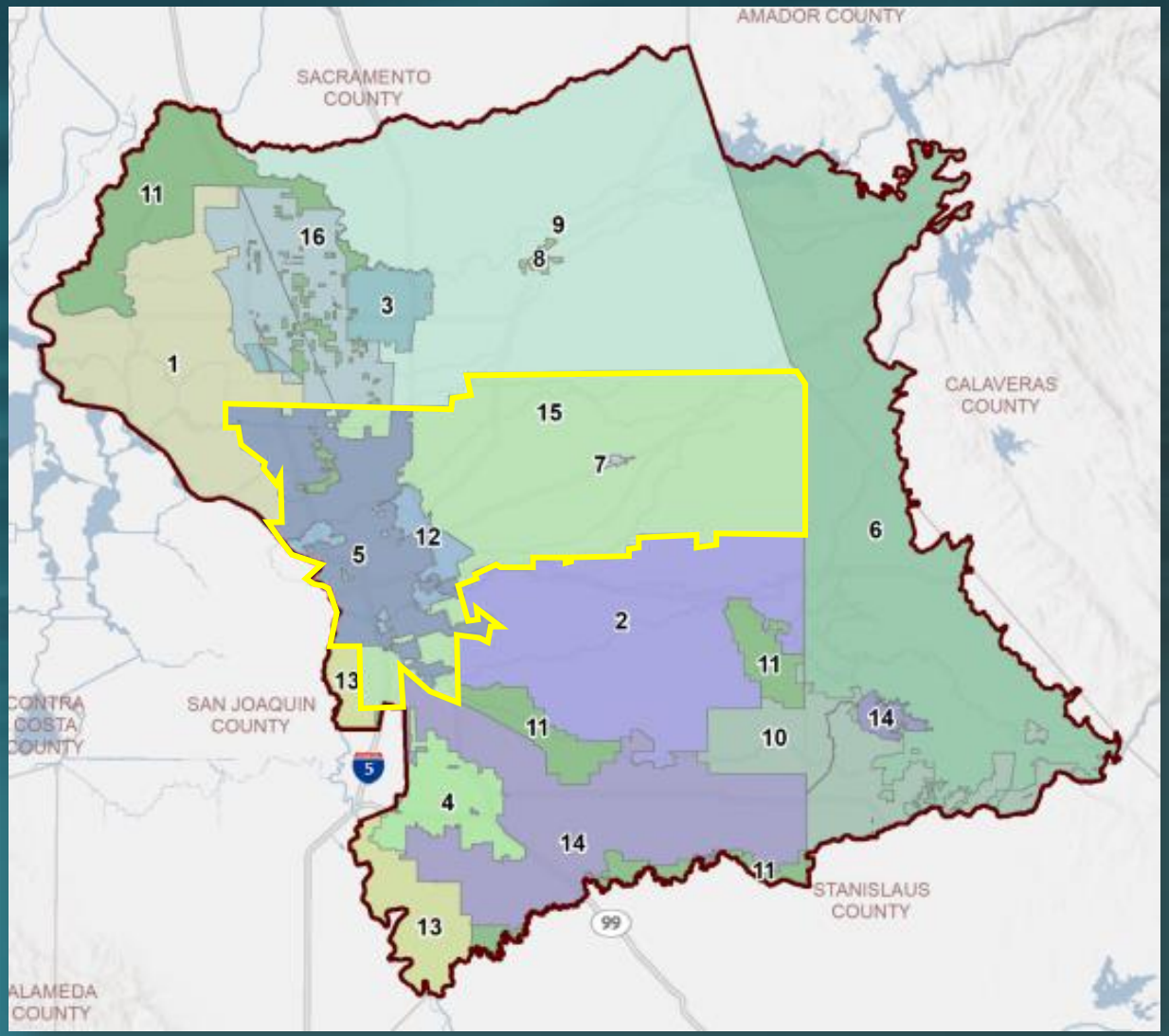
Our Vision

To be a regional leader and reliable partner by implementing innovative solutions for our agricultural and urban customers, securing existing and additional water resources, and achieving groundwater basin sustainability.

What Challenges do we Face?

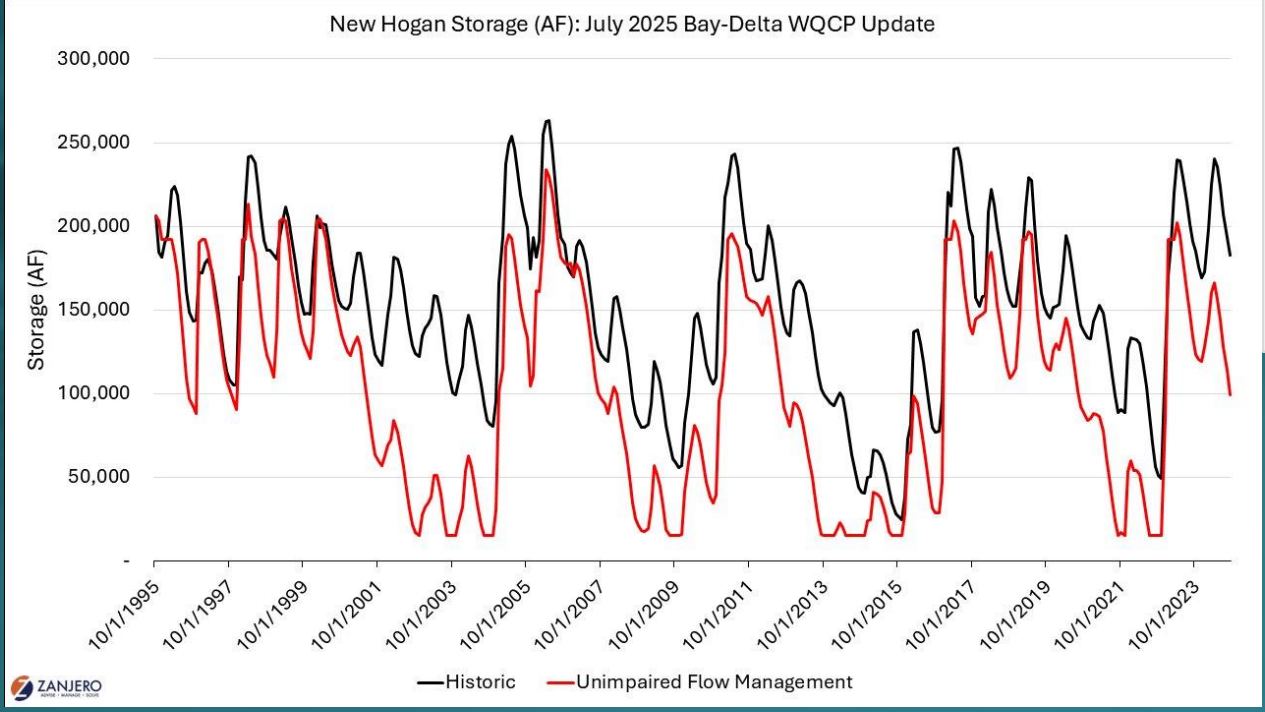
- Sustainable Groundwater Management Act (SGMA)
- Endangered Species Act (ESA)

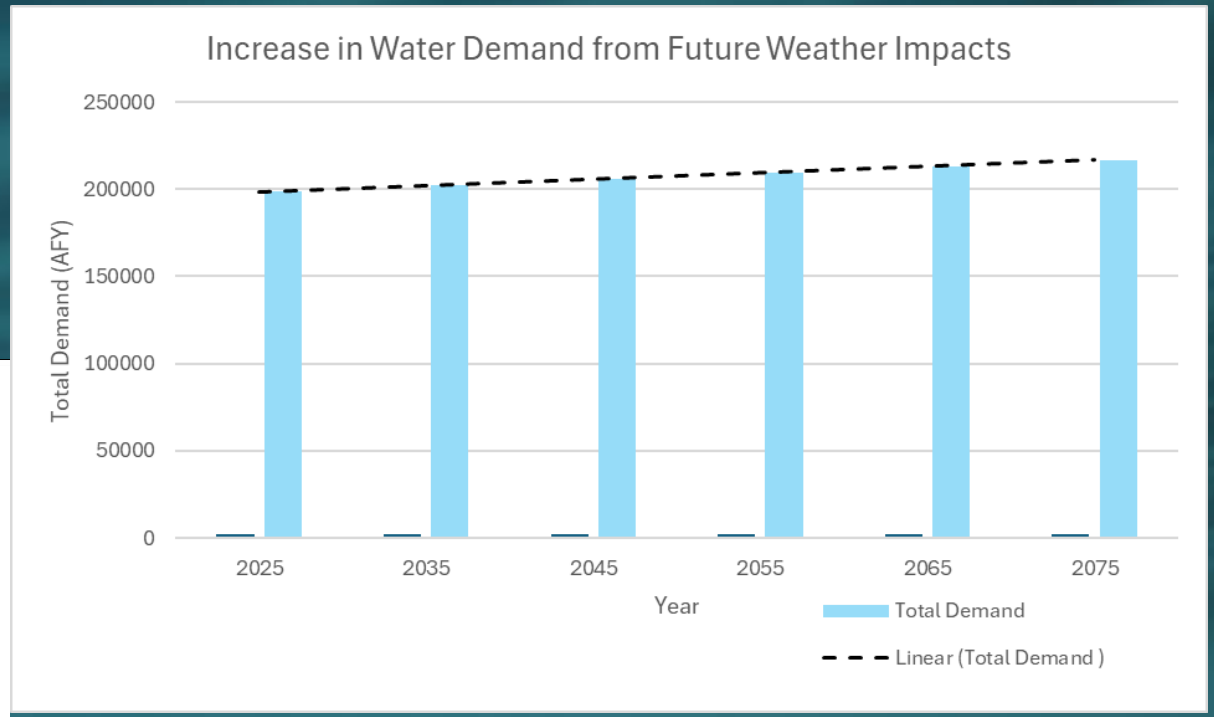




What Challenges do we Face?

- Bay-Delta Plan
- Future Weather Patterns

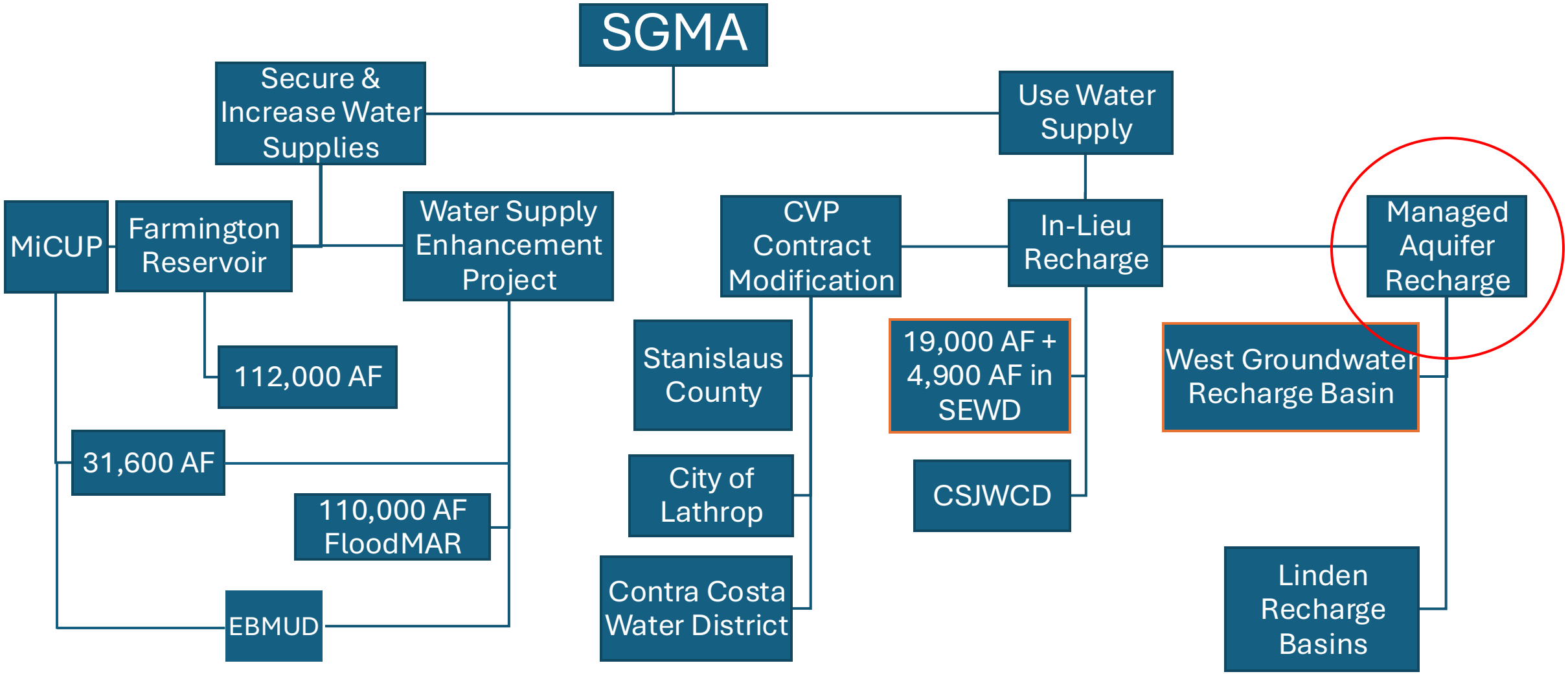




What Challenges do we Face?

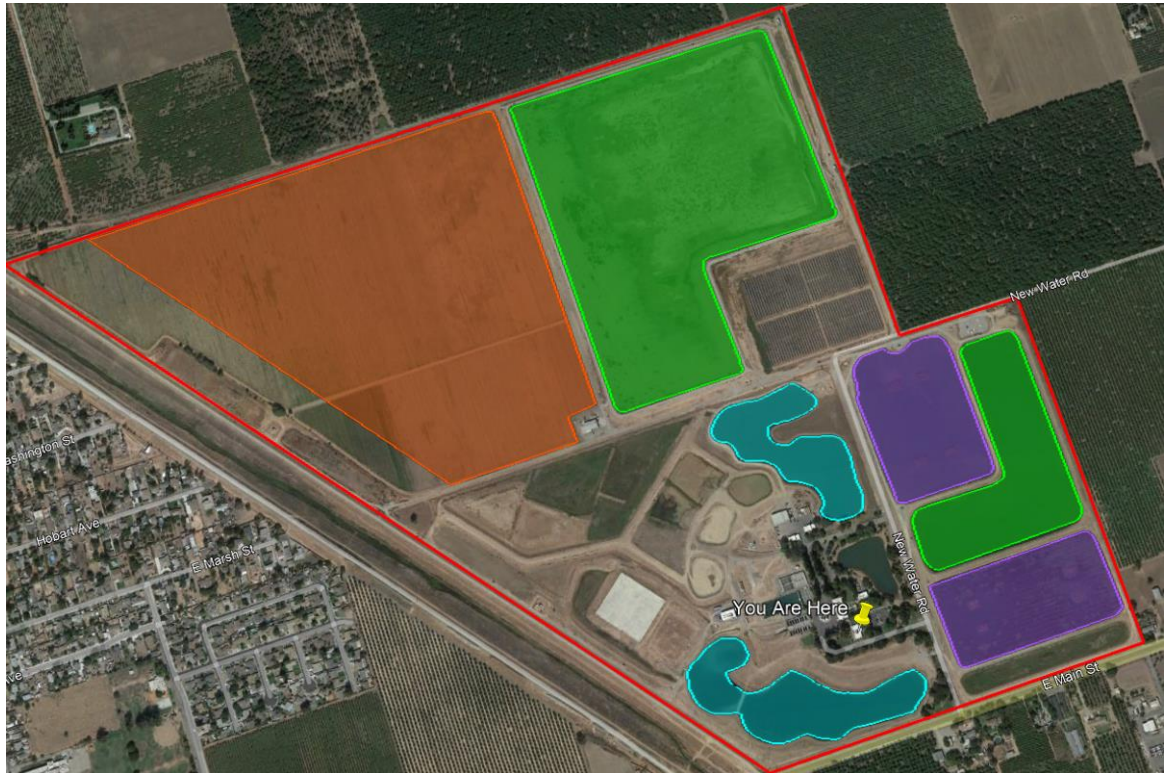
Water Supply/Demand	Total (AFY)
New Hogan	+80,000 (+/-)
New Melones	+90,000
Ag & Municipal Demand	-115,000
Increased Surface Water Demand for SGMA Projects	-56,000
Increased Demand for ESA	-14,000
Increased Demand for Bay Delta Plan	-10,000
Increased Demand due to Future Weather Patterns	-18,000
Sum of supplies and demands	**-43,000**

Addressing Challenges



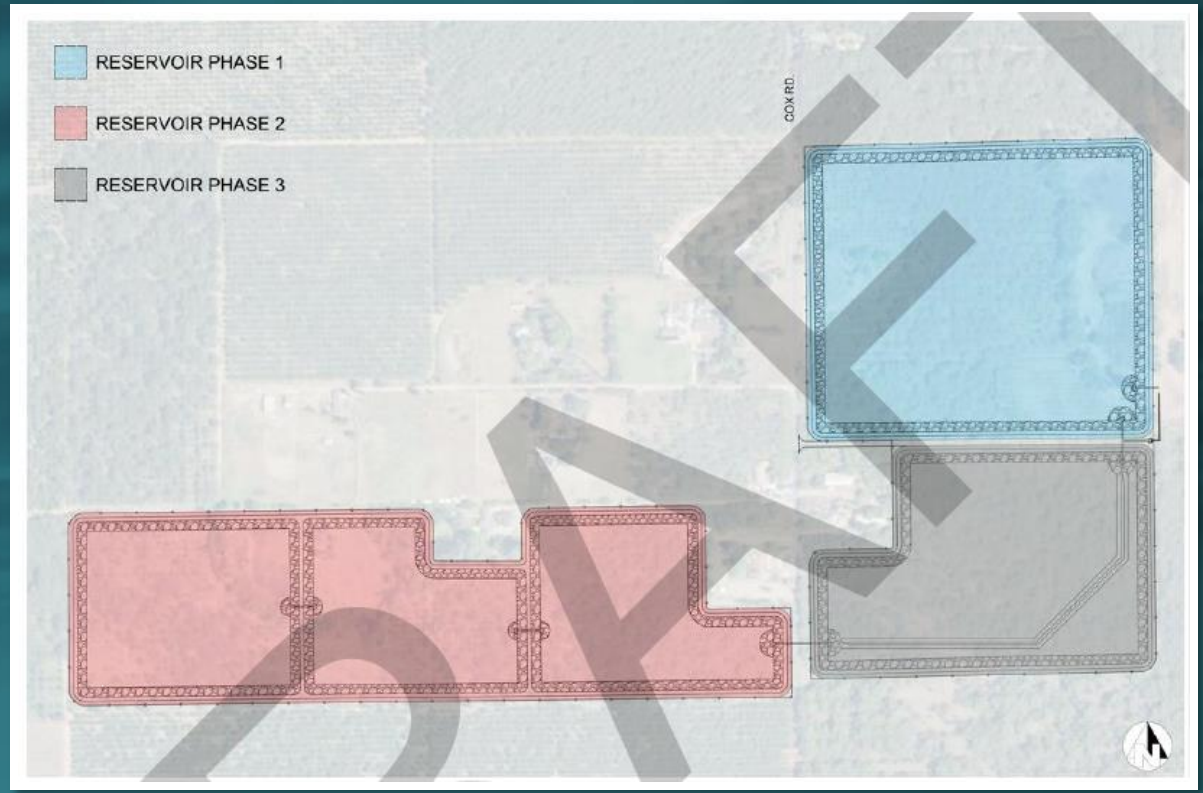
Use Water Supply

Managed Aquifer Recharge



West Groundwater Recharge Basin

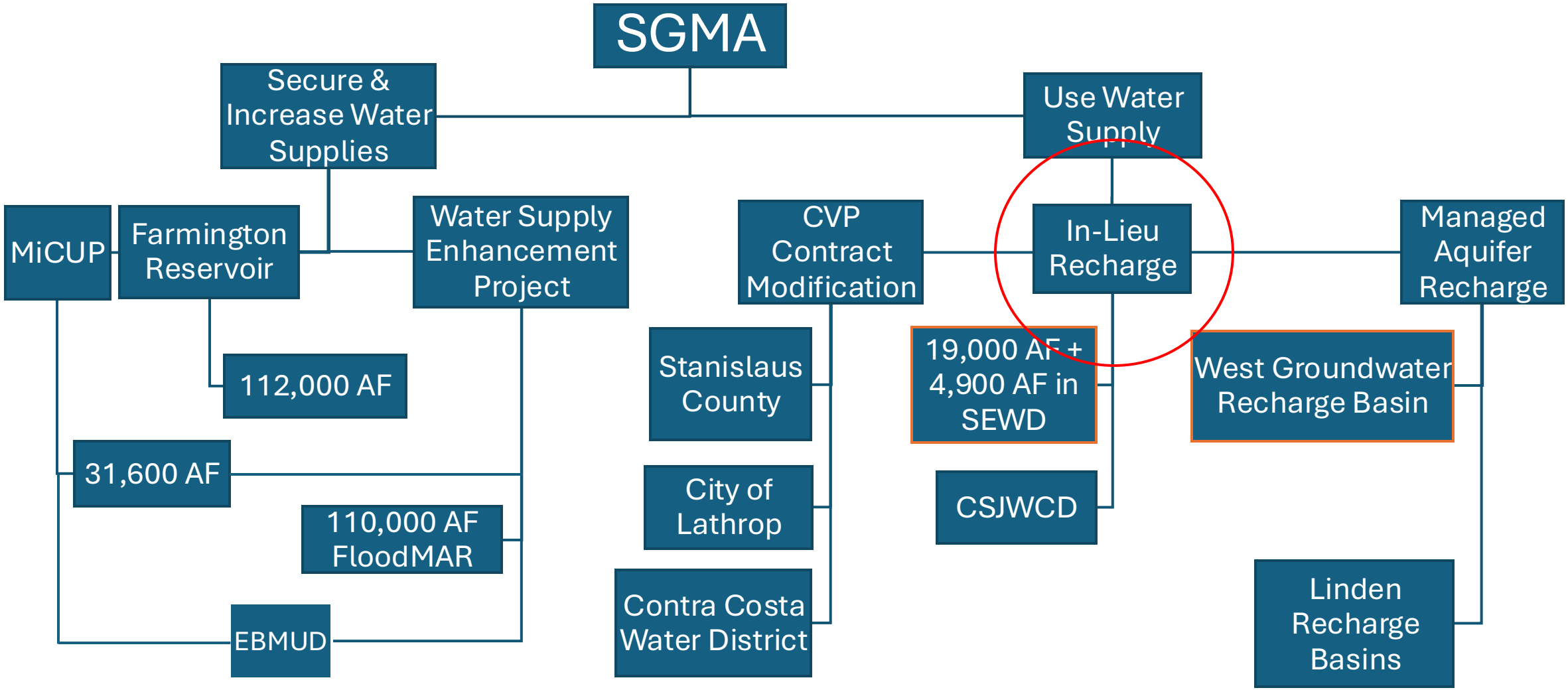
Estimated Recharge Rate – 42 AF/Day



Marciano Recharge Basins

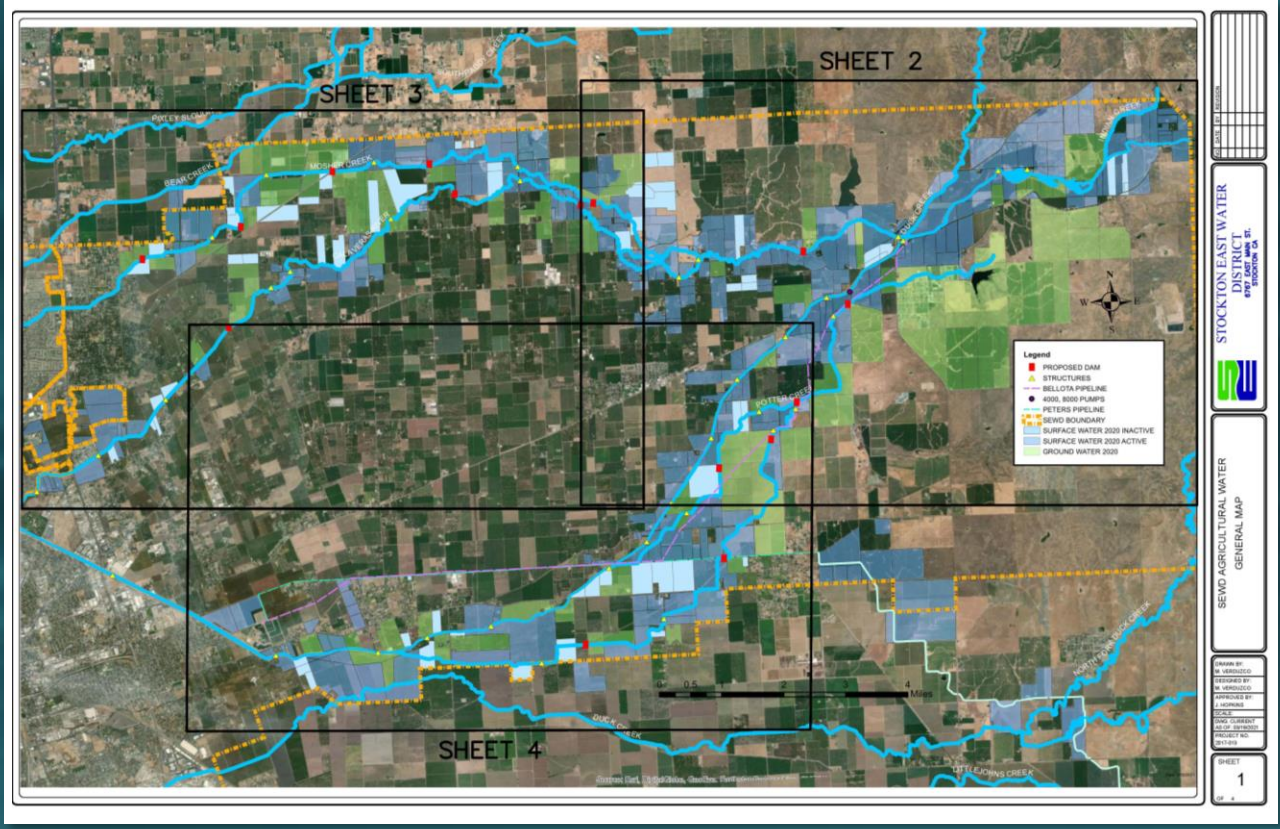
Estimated Recharge Rate – 110AF/Day

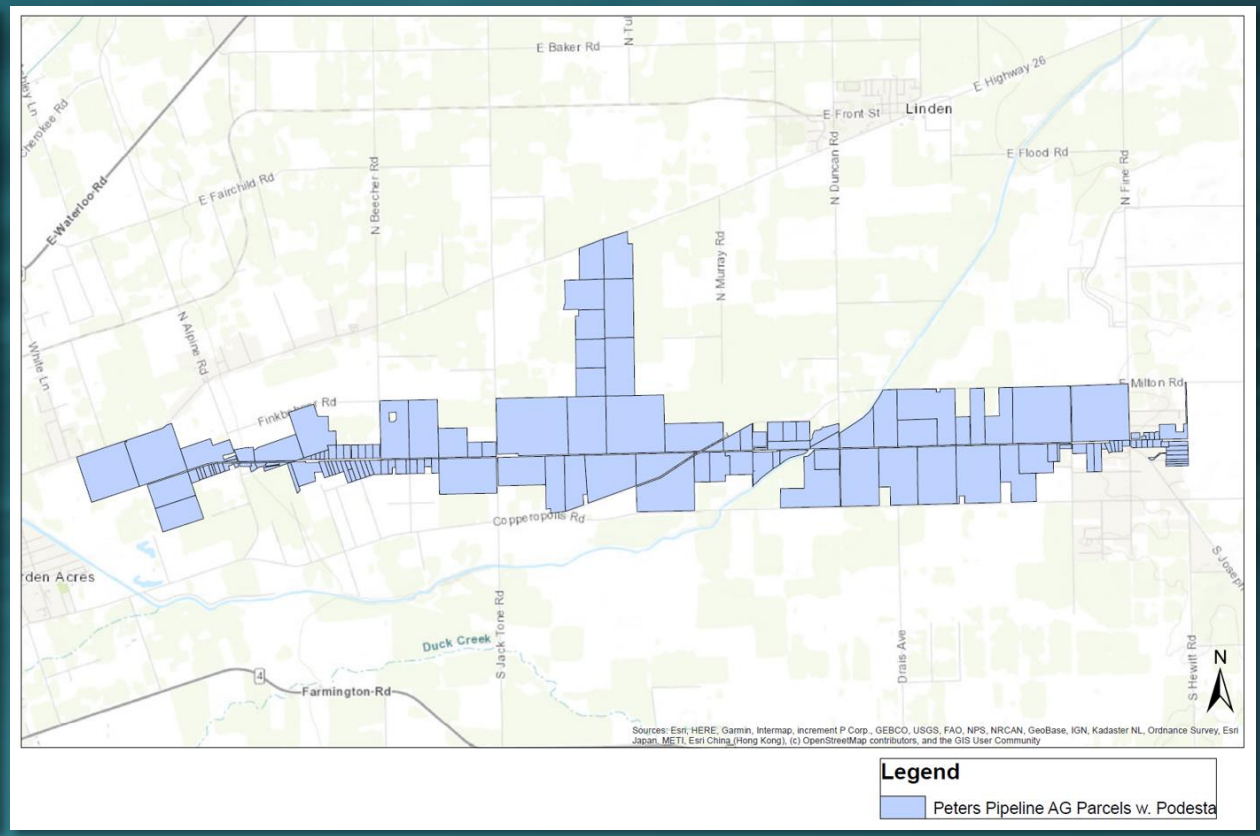
Addressing Challenges



Use Water Supply

In-Lieu Recharge





New Hogan System

Full Prescribed

19,000 AF - $4.25M - $223.70/AF

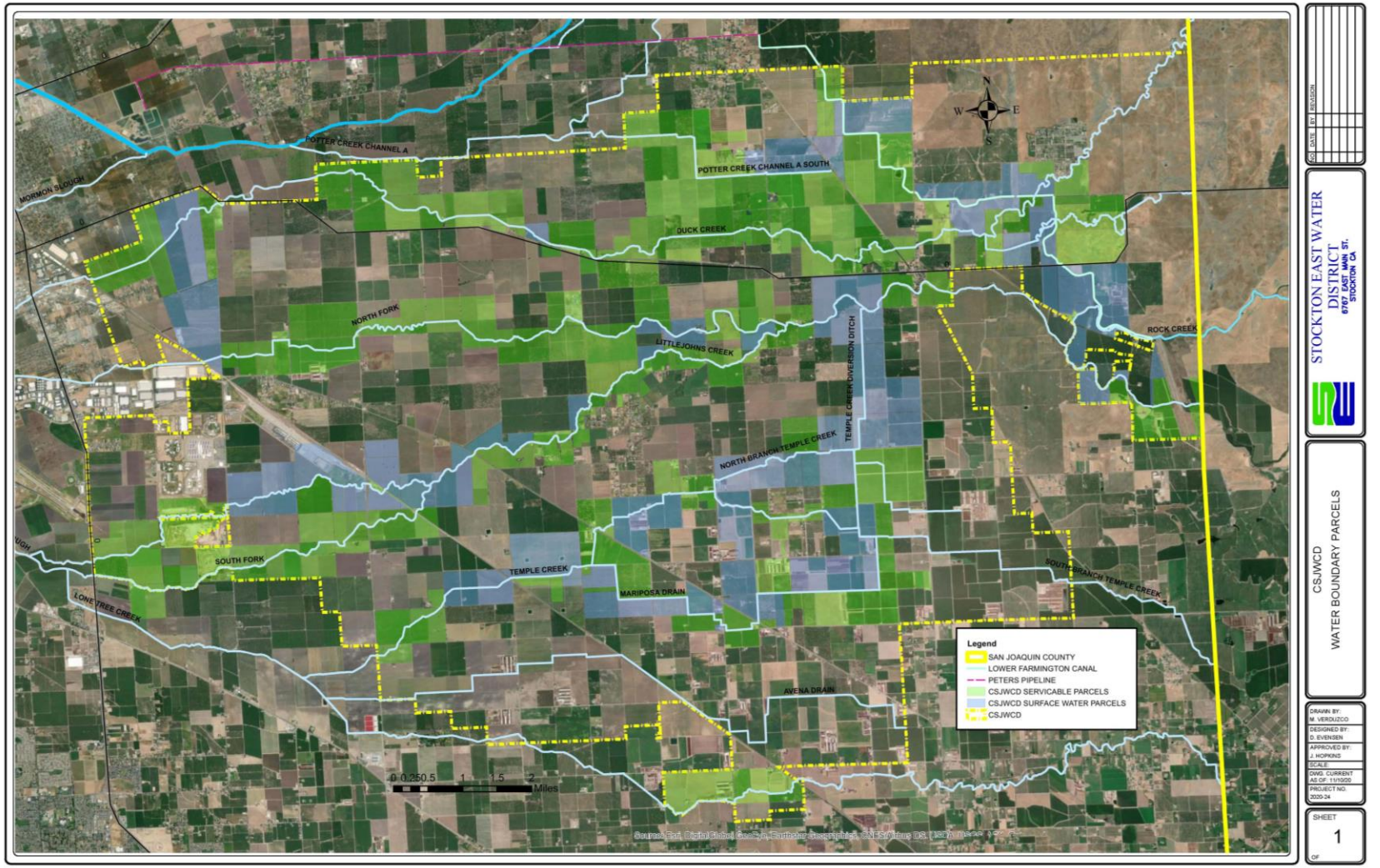
New Melones System

11,406 AF of Expansion – 91 CFS Required Capacity

Estimated Cost = $1,009/AF - $11,508,654

Use Water Supply

In-Lieu Recharge



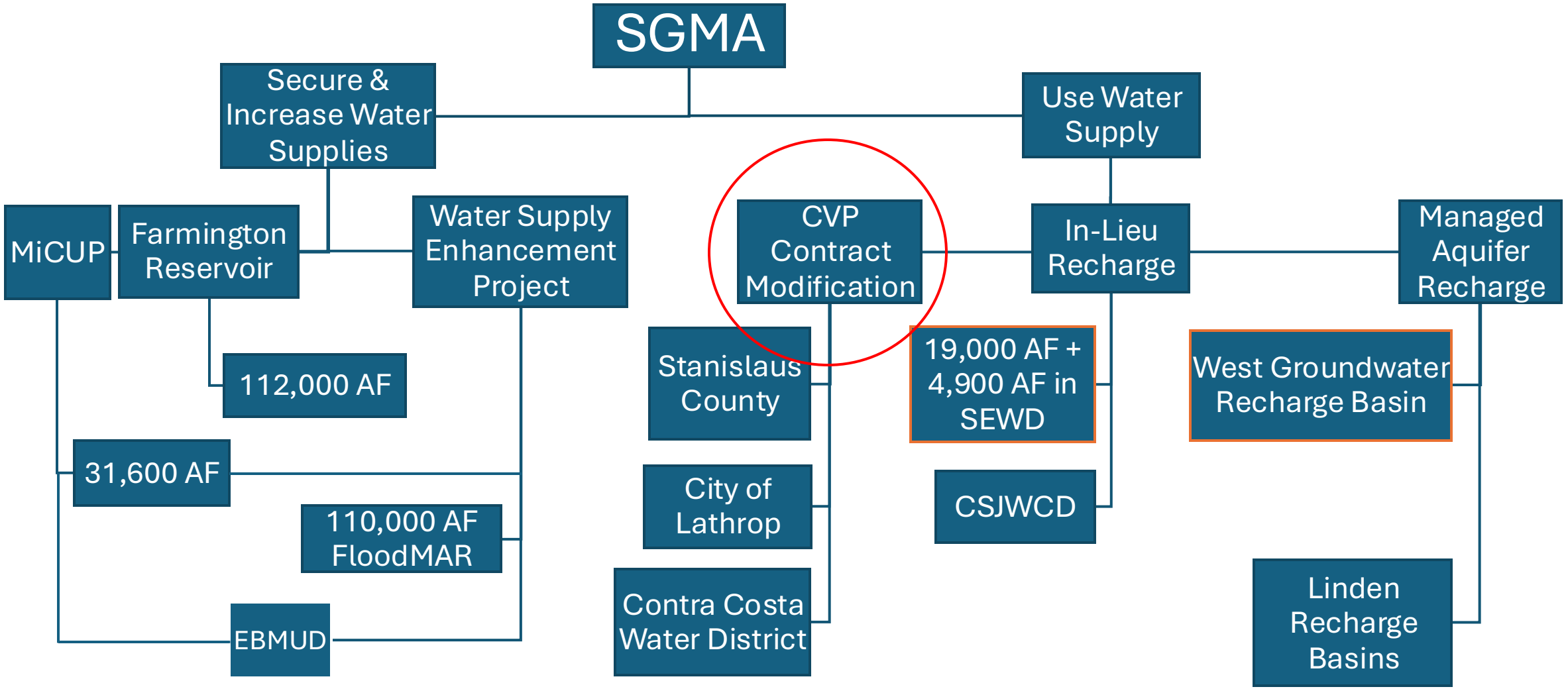
Central System

140,000 AF of GW Demand

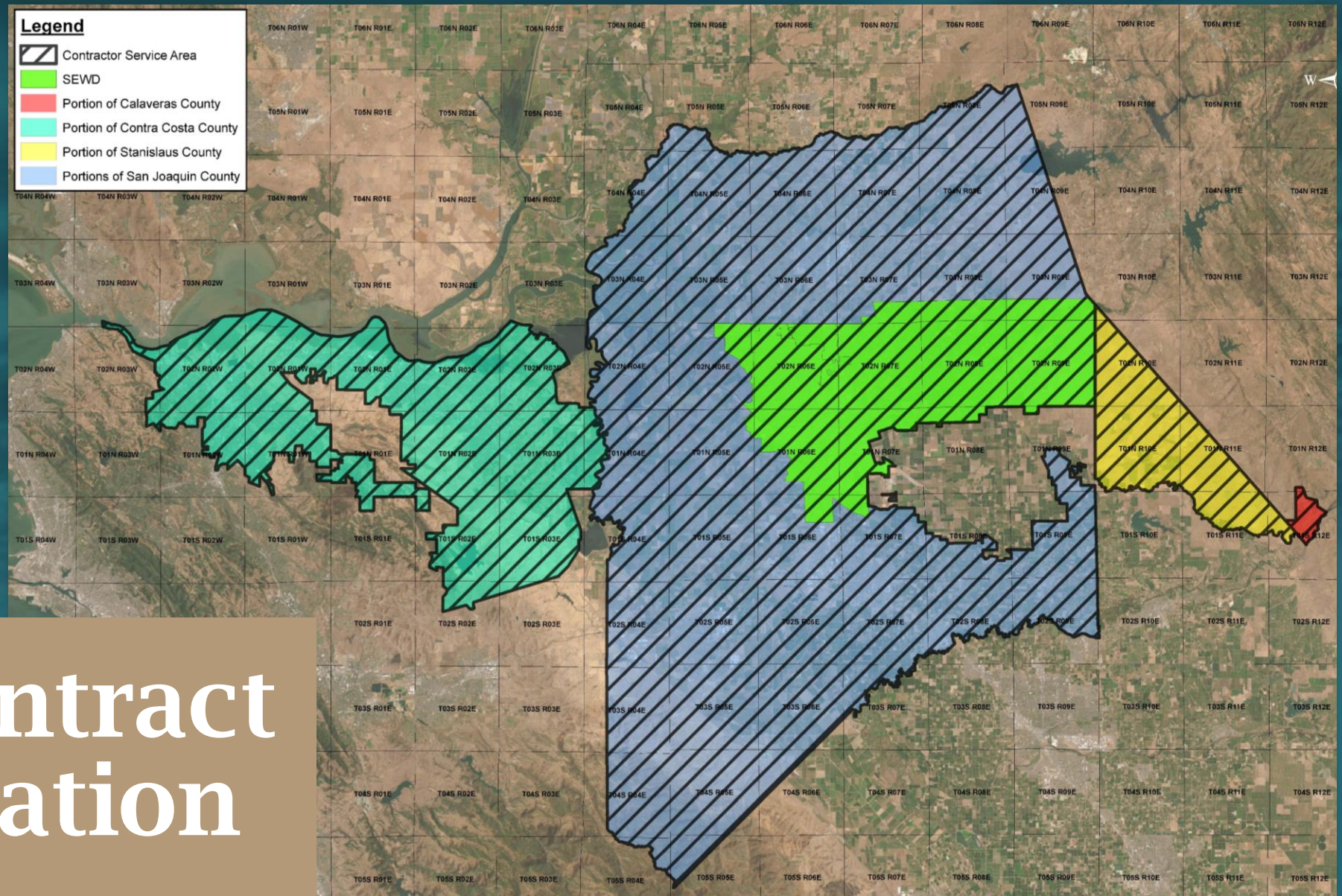
80,000 AF of NM Supply

$11,508,654 / $223.70/AF = 51,447 AF

Addressing Challenges



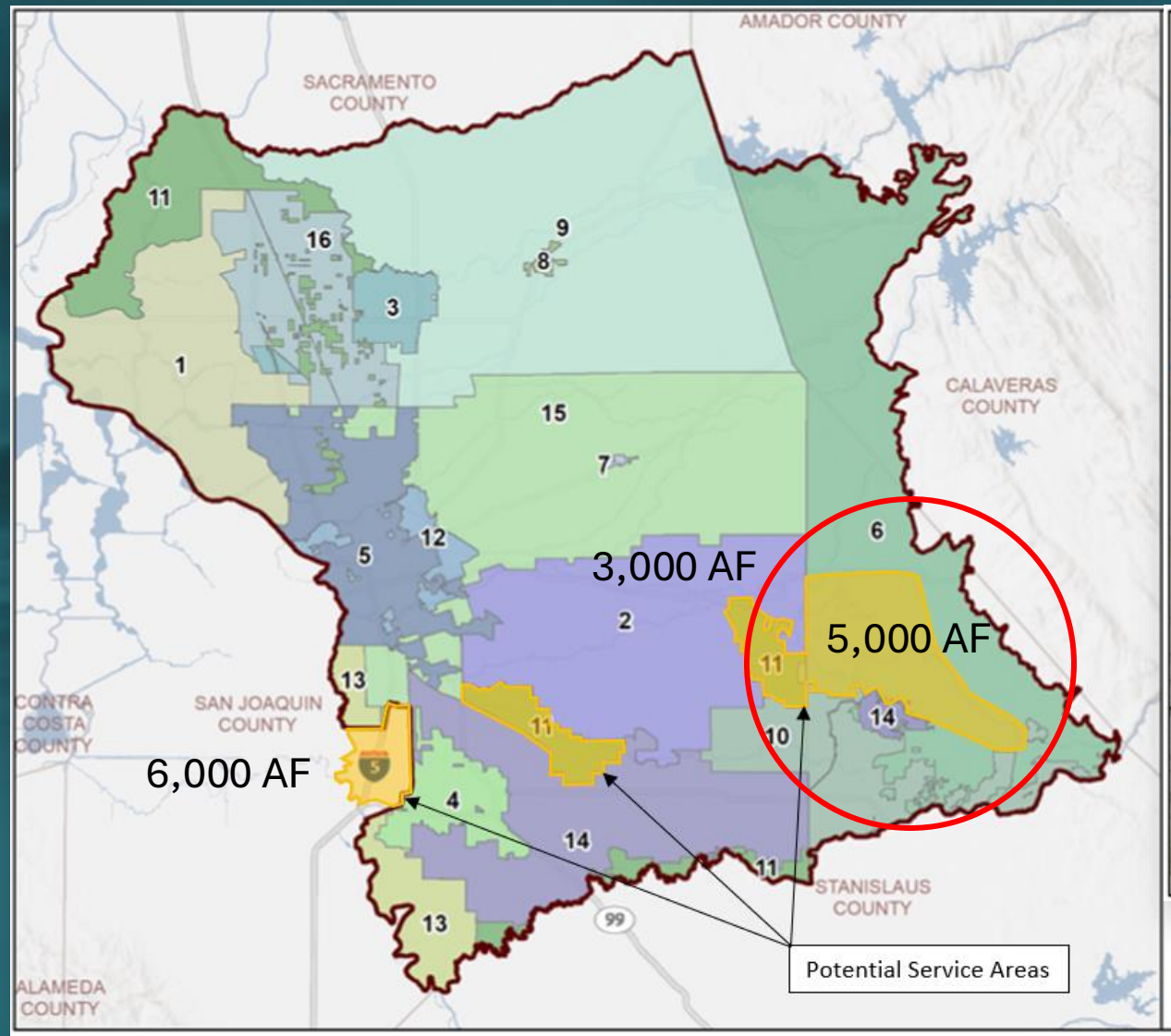
Use Water Supply

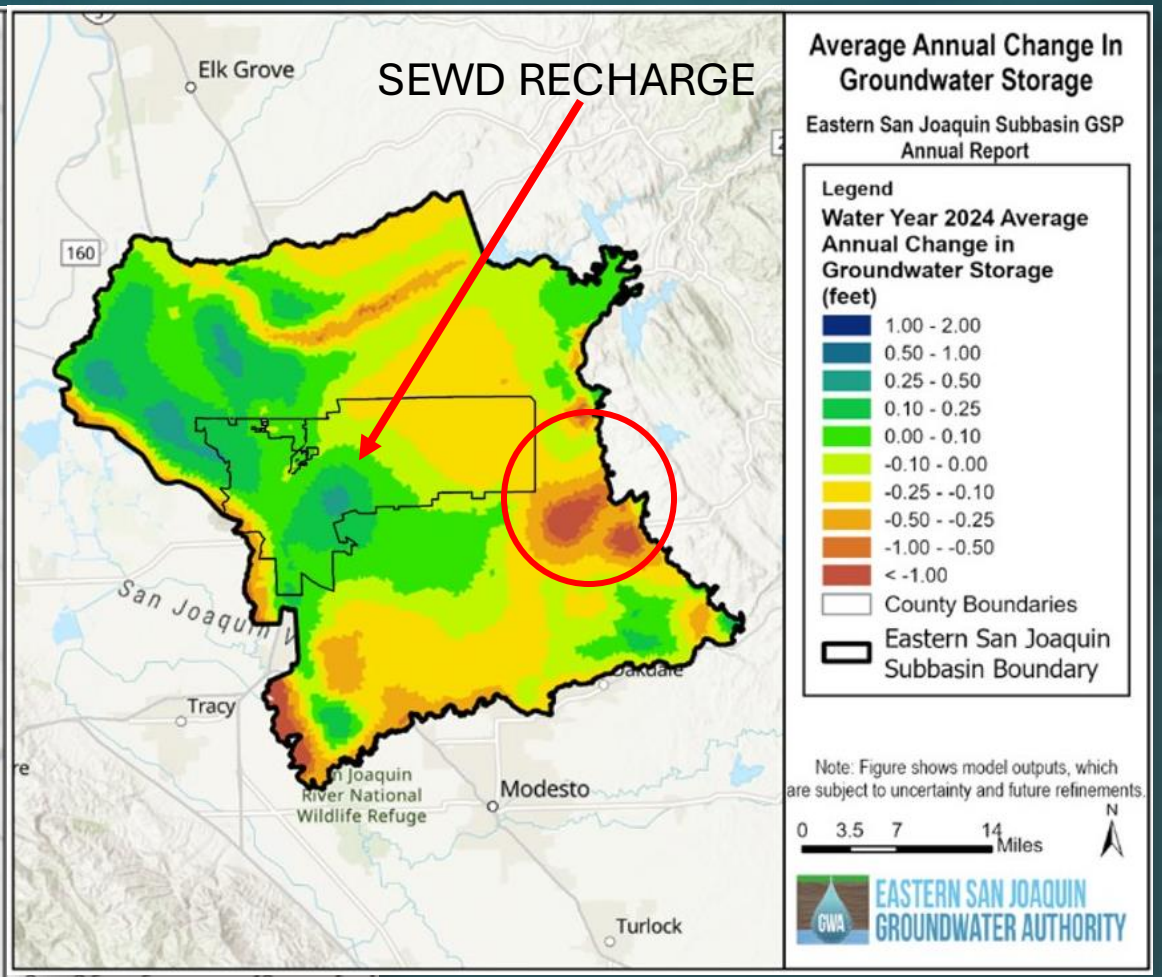


CVP Contract Modification

Use Water Supply

CVP Contract Modification





Use Water Supply

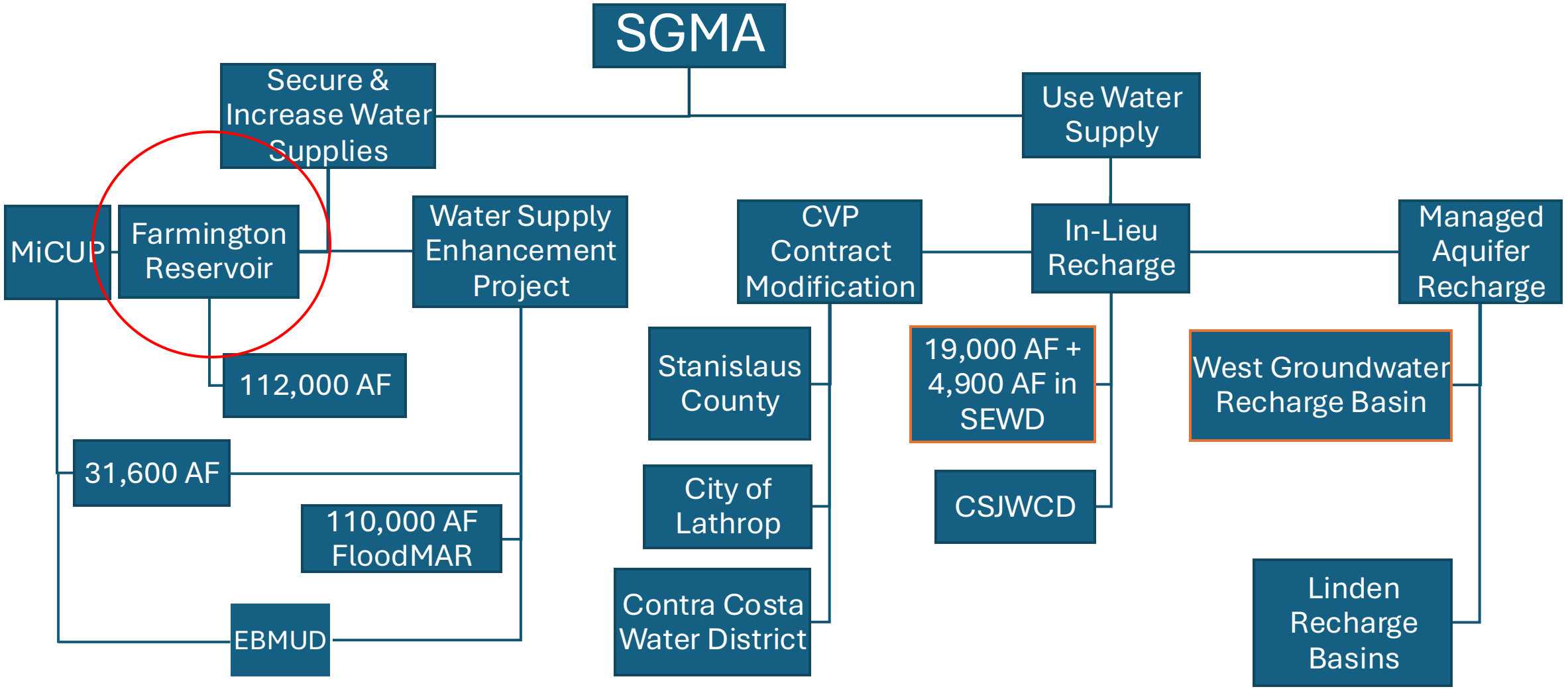
CVP Contract Modification

CONTRA COSTA WATER DISTRICT

Collaboration MOU

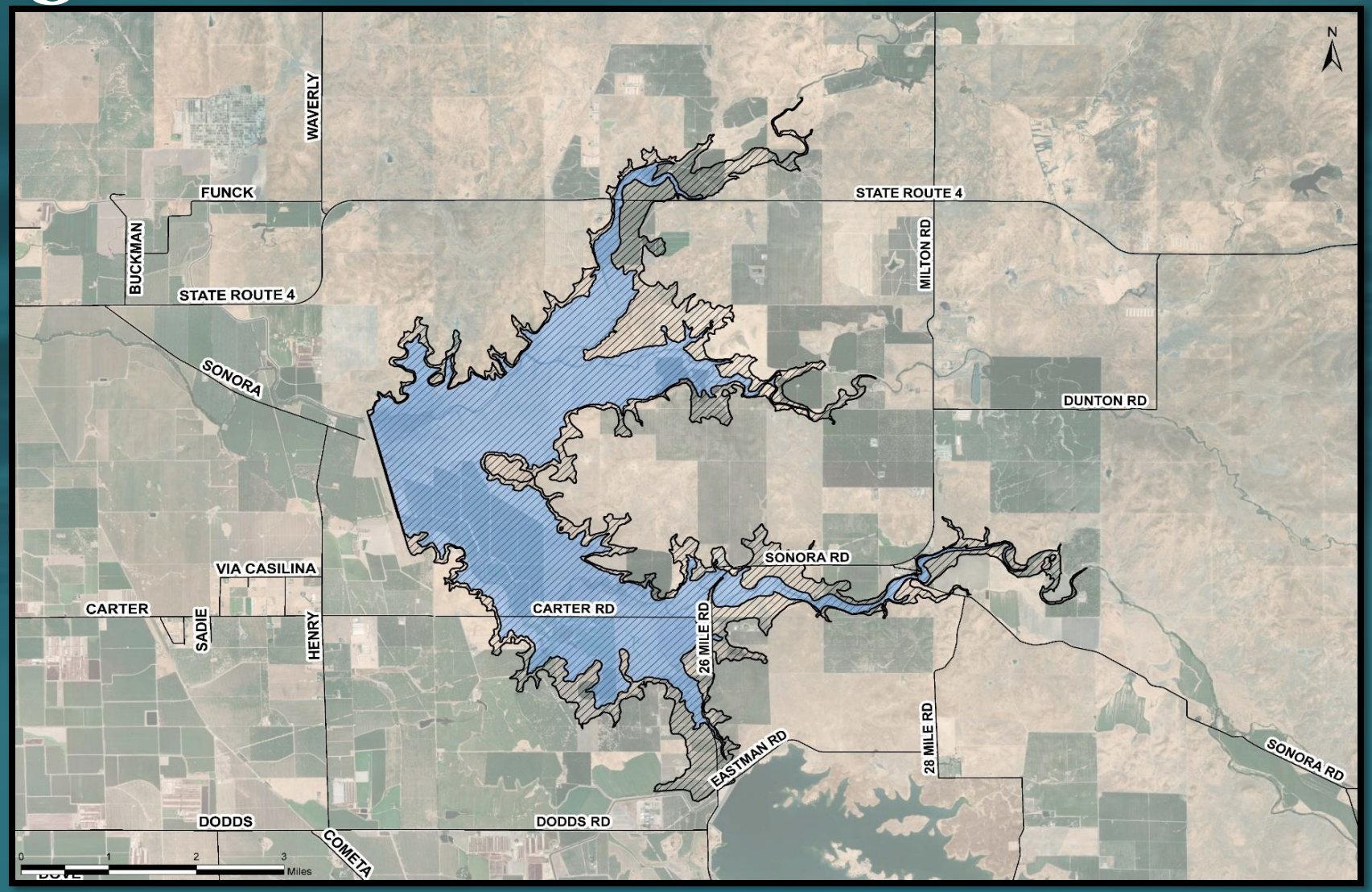
- Potential Transfer
- GW Banking Program
- Generate Capital

Addressing Challenges

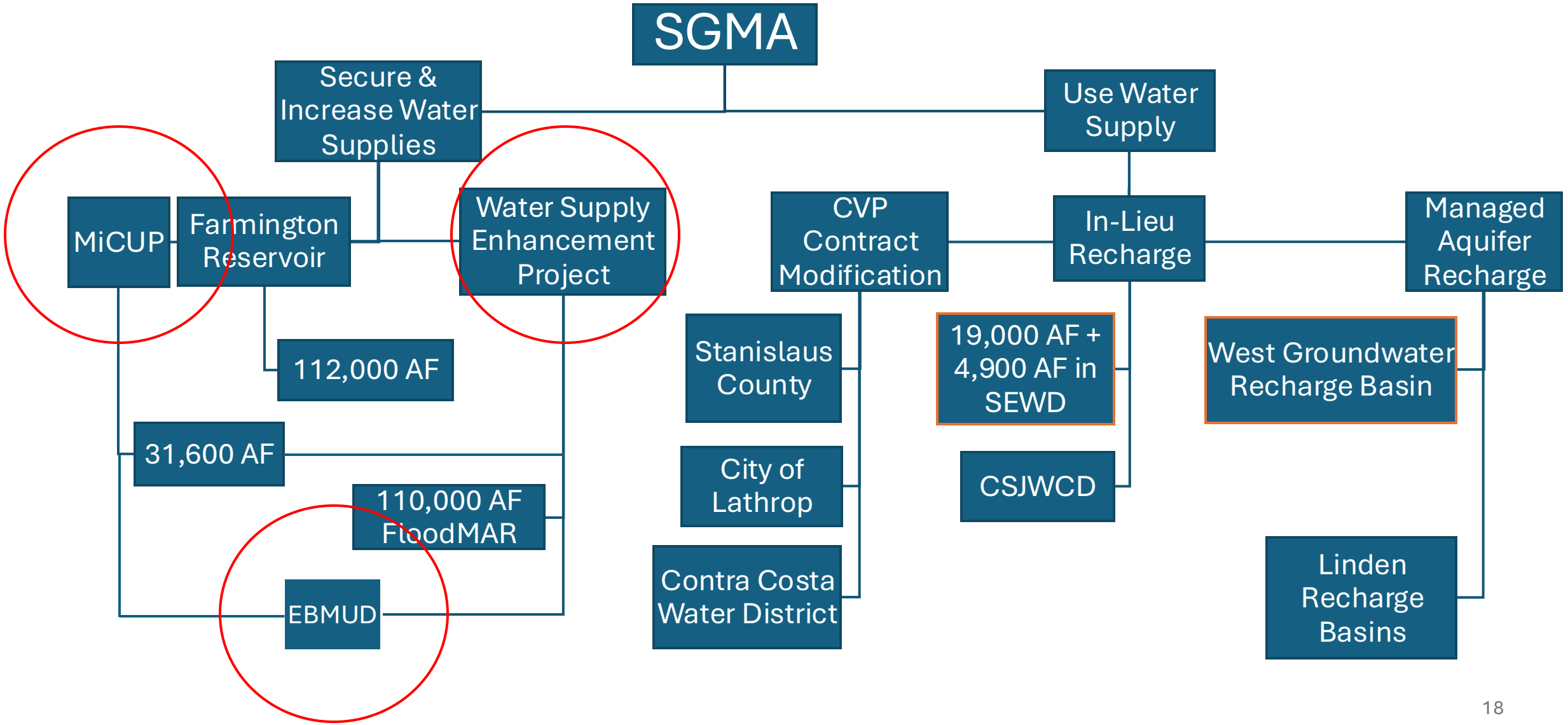


Secure & Increase Supply

Farmington Reservoir

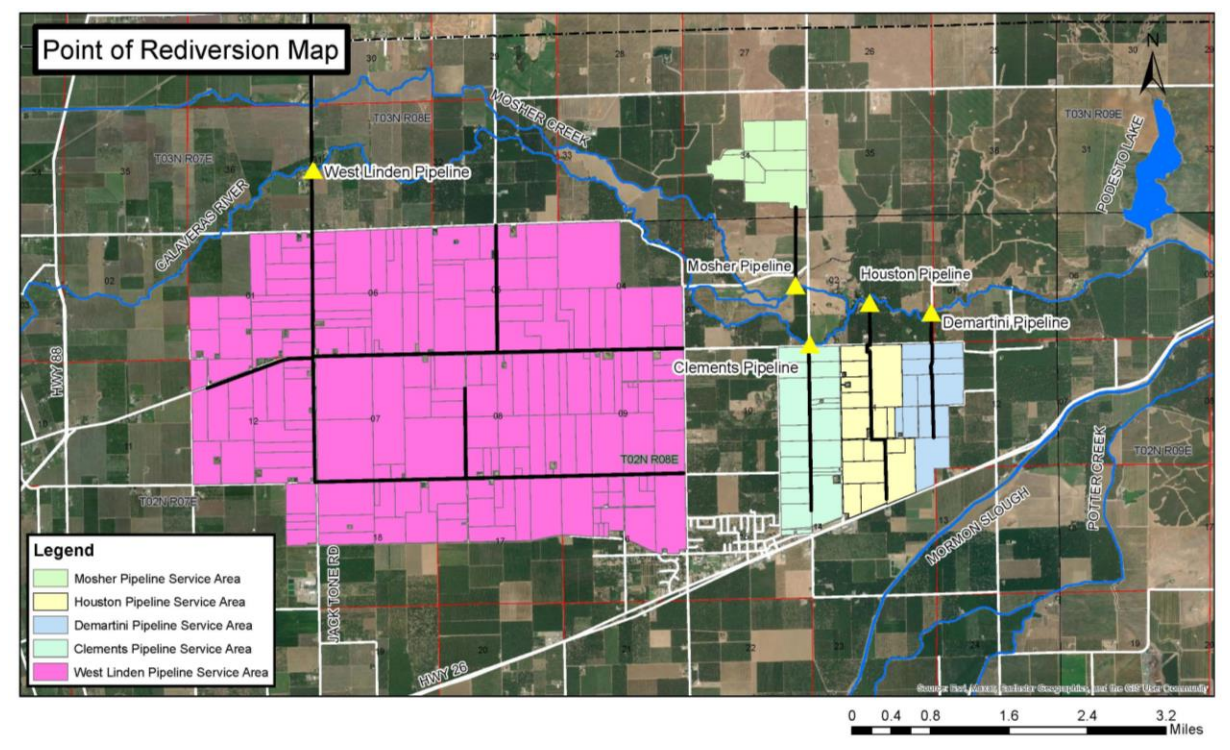


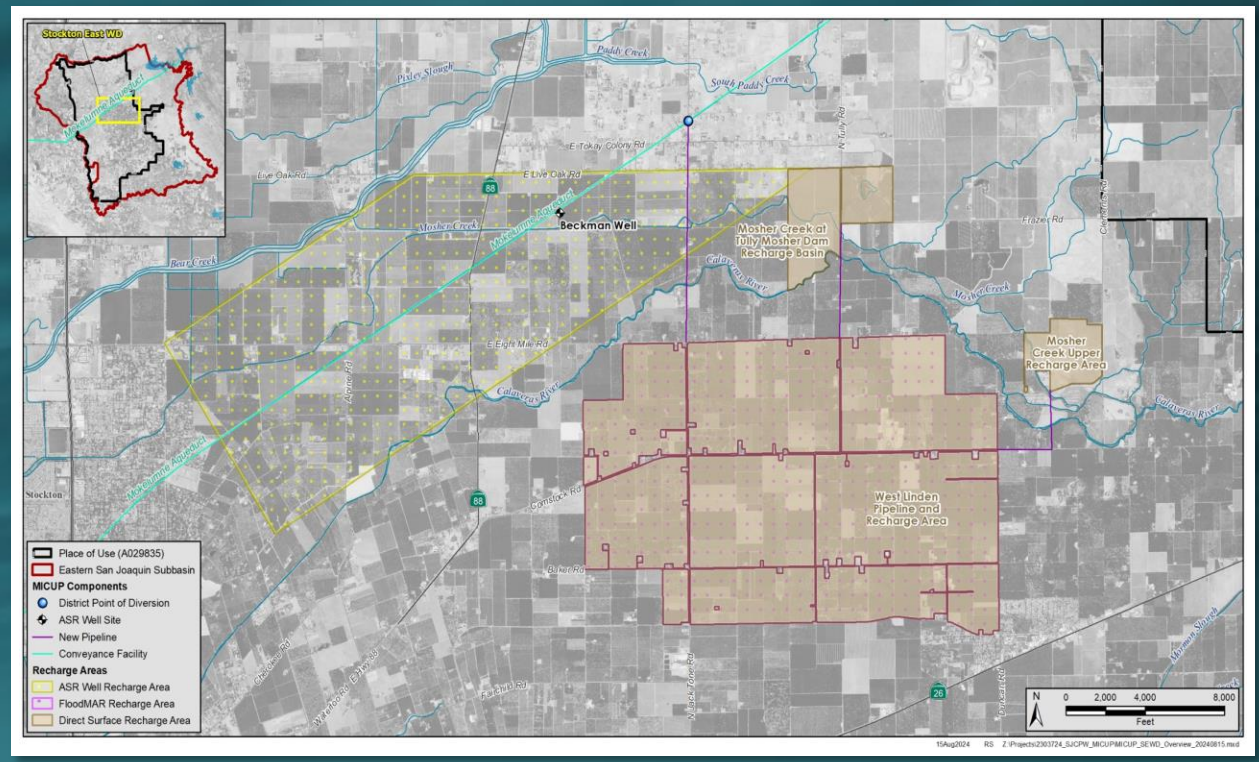
Addressing Challenges



Secure & Increase Supply

Groundwater Banking





Water Supply Enhancement Project

6 Total Projects

Up to 110,000 AF of Floodwater from Calaveras River

Mokelumne Integrated Conjunctive Use Program

4 Total Projects

Up to 31,600 AF of Wet Year Water from Mokelumne River

Closing Thoughts

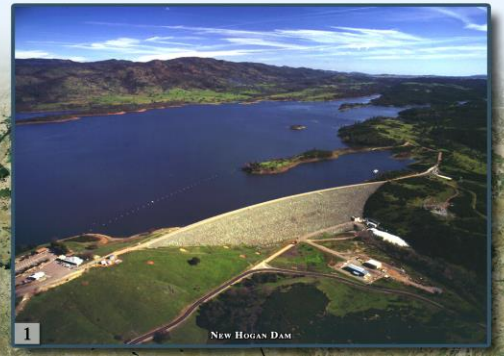
- Challenges Ahead
- Solutions of regional significance
- Supplies ≤ Demand
- What will be your legacy?

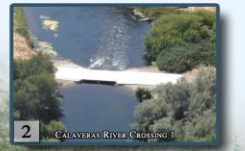

Feedback

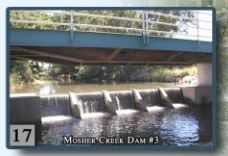
Farmington Reservoir

New Hogan Conveyance System

Stockton East Water District







STOCKTON EAST WATER DISTRICT

Serving California Water Service Company, City of Stockton, San Joaquin County and our Agricultural Consumers since 1948

New Melones Conveyance System

Stockton East Water District

Weekly Water Report	As of: May 12, 2026	As of: May 19, 2026	
New Hogan (NHG) TOC	**317,100**	**317,100***	**AF**
Storage:	212,815	210,998*	AF
Net Storage Change:	-271	-1,817*	AF
Inflow:	62	30*	CFS
Release:	128	168*	CFS
New Melones (NML) Allocation	**75,000**	**75,000**	**AF**
Storage:	1,872,010	1,858,746*	AF
Net Storage change:	+1,276	-13,264*	AF
Inflow:	1,483	1,957*	CFS
Release:	1,701	3,284**	CFS
Source: CDEC Daily Reports			

Goodwin Diversion (GDW)			
Inflow (Tulloch Dam):	1,782	3,478	CFS
Release to Stanislaus River (S-98):	870	2,208	CFS
Release to OID (JT Main):	725	636	CFS
Release to SSJID (SO Main):	323	333	CFS
Release to SEWD & CSJWCD:	44	58	CFS
Total Release	1,962	3,235	CFS
Source: Tri-Dam Operations Daily Report			
Farmington Dam (FRM)			
Diverted to SEWD:	55	60	CFS
Diverted to CSJWCD:	0	0	CFS

Surface Water Used			
Irrigators on New Hogan:	17	27	
Irrigators on New Melones:	2	4	
Out-Of-District Irrigators:	0	0	
DJWWTP Production:	44	34	MGD
North Stockton:	11	0	MGD
South Stockton:	7	11	MGD
Cal Water:	21	20	MGD
City of Stockton DWSP Production:	13	20	MGD

District Ground Water Extraction			
74-01	0	0	GPM
74-02	0	0	GPM
North	670	0	GPM
South	1,555	0	GPM
Extraction Well # 1	2,566	2,531	GPM
Extraction Well # 2	3,180	3,148	GPM
Total Well Water Extraction	7,971	5,679	GPM
Total Ground Water Production	12	8	MGD

Note: **The data reported here is available as of 05/17/26

***The data reported here is available as of 05/18/26**

All other flow data reported here is preliminary, as of 9:00 a.m. on 05/19/26