



**Water Resources and Facility Management
Committee Meeting and Special Meeting of
the Board of Directors**

**Monday, March 16, 2026
4:30 P.M.**

Committee Members:

Charles M. Treviño, Chair
Katarina Garcia, Vice-Chair

*The Water Resources and Facility Management Committee meeting is noticed as a joint committee meeting with the Board of Directors for the purpose of compliance with the Brown Act. Members of the Board who are not assigned to the Water Resources and Facility Management Committee may attend and participate as members of the Board, whether or not a quorum of the Board is present. In order to preserve the function of the Committee as advisory to the Board, members of the Board who are not assigned to the Water Resources and Facility Management Committee will not vote on matters before the Committee.

Communications

1. Call to Order
2. Public Comment

Discussion/Action

3. Engineering & Capital Preliminary Budget Presentation (Presentation enclosed)

Oral Reports

4. Water Supply Update (Presentation enclosed)
5. Golden Mussel Update (Presentation enclosed)

Other Matters

- 6.

Adjournment

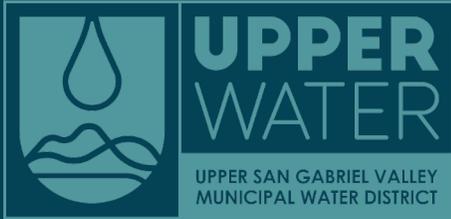
Next Meeting: Monday, April 06, 2026 at 4:30 p.m.



American Disabilities Act Compliance (Government Code Section 54954.2(a))



To request special assistance to participate in this meeting, please contact the District office at (626) 443-2297



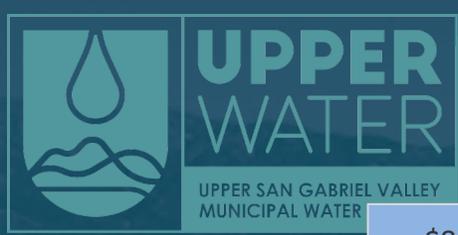
Proposed FY 2026/27 & FY 2027/28 Engineering and Planning Budget

**Water Resources & Facility Management Committee
March 16, 2026**

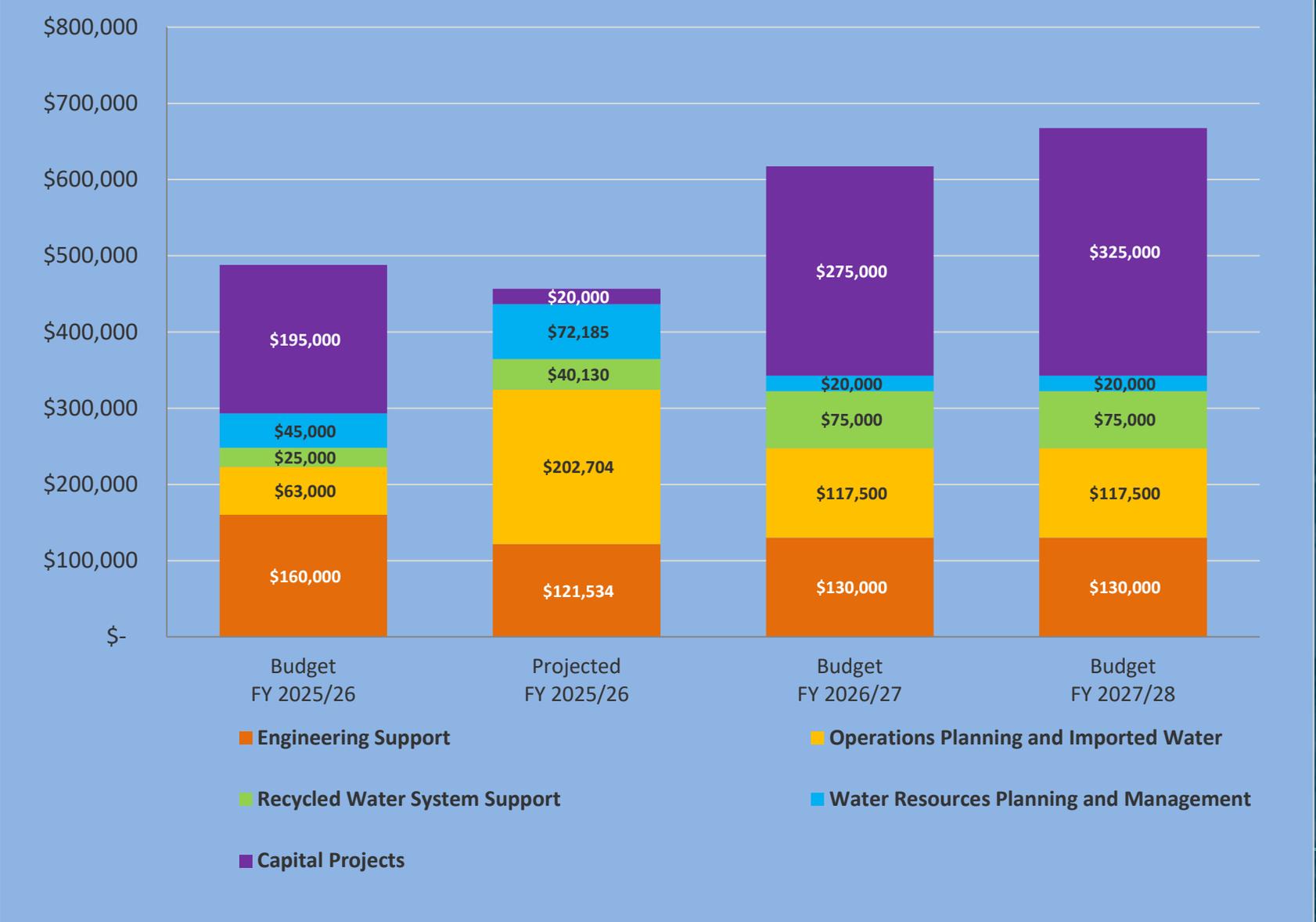


Engineering/Planning/CIP FY 2025/26 Budget Variance Explanation

	Budget FY 2025/26	Projected FY 2025/26	Budget FY 2026/27	Budget FY 2027/28
Engineering Support	\$ 160,000	\$ 121,534	\$ 130,000	\$ 130,000
Operations Planning and Imported Water	\$ 63,000	\$ 202,704	\$ 117,500	\$ 117,500
Recycled Water System Support	\$ 25,000	\$ 40,130	\$ 75,000	\$ 75,000
Water Resources Planning and Management	\$ 45,000	\$ 72,185	\$ 20,000	\$ 20,000
Capital Projects	\$ 195,000	\$ 20,000	\$ 275,000	\$ 325,000



Engineering Planning and Capital Projects FY 2026/27 & FY 2027/28





Engineering/Planning/CIP FY 2025/26 Budget Variance Explanation

- General Engineering Support under budget \$ -40,000
- Operations planning over budget - mussel control plans \$ 100,000
- Recycled water system support over budget - asset management \$ 15,000
- Water resources management over budget – IRP and UWMP \$ 25,000
- CIP significantly under budget. No major RW rehabilitations or replacements \$-175,000



Engineering/Planning FY 2026/27 & FY 2027/28 Focused Projects

	FY 2027	FY 2028
• Invasive mussel control plan implementation	\$ 100,000	\$ 100,000
• Recycled water system management and support	\$ 75,000	\$ 75,000
• Capital Projects		
Recycled water system rehabilitation/replacement	\$ 150,000	\$ 150,000
• Main office		
Major repairs (exterior siding)	\$ 25,000	\$ 75,000
Interior Improvements (board room/break room)	\$ 100,000	\$ 100,000

Discussion/Questions??



Contact Us

If you have questions, please visit:

upperwater.org



Member Agency Managers Meeting

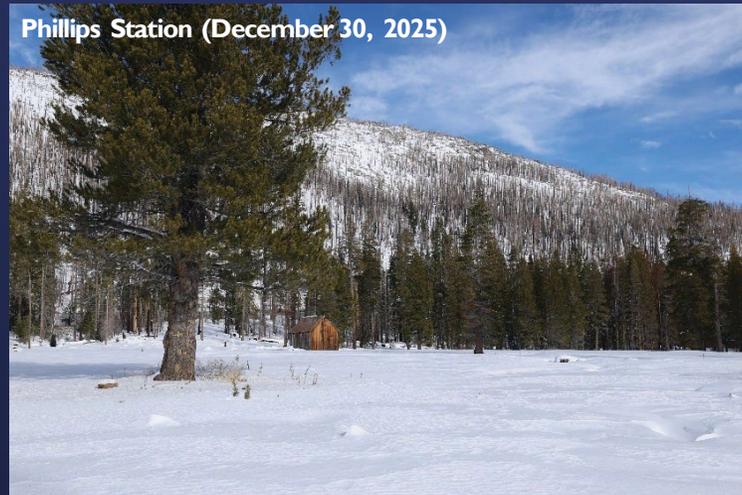
Water Supply Update

February 20, 2026

SWP Update

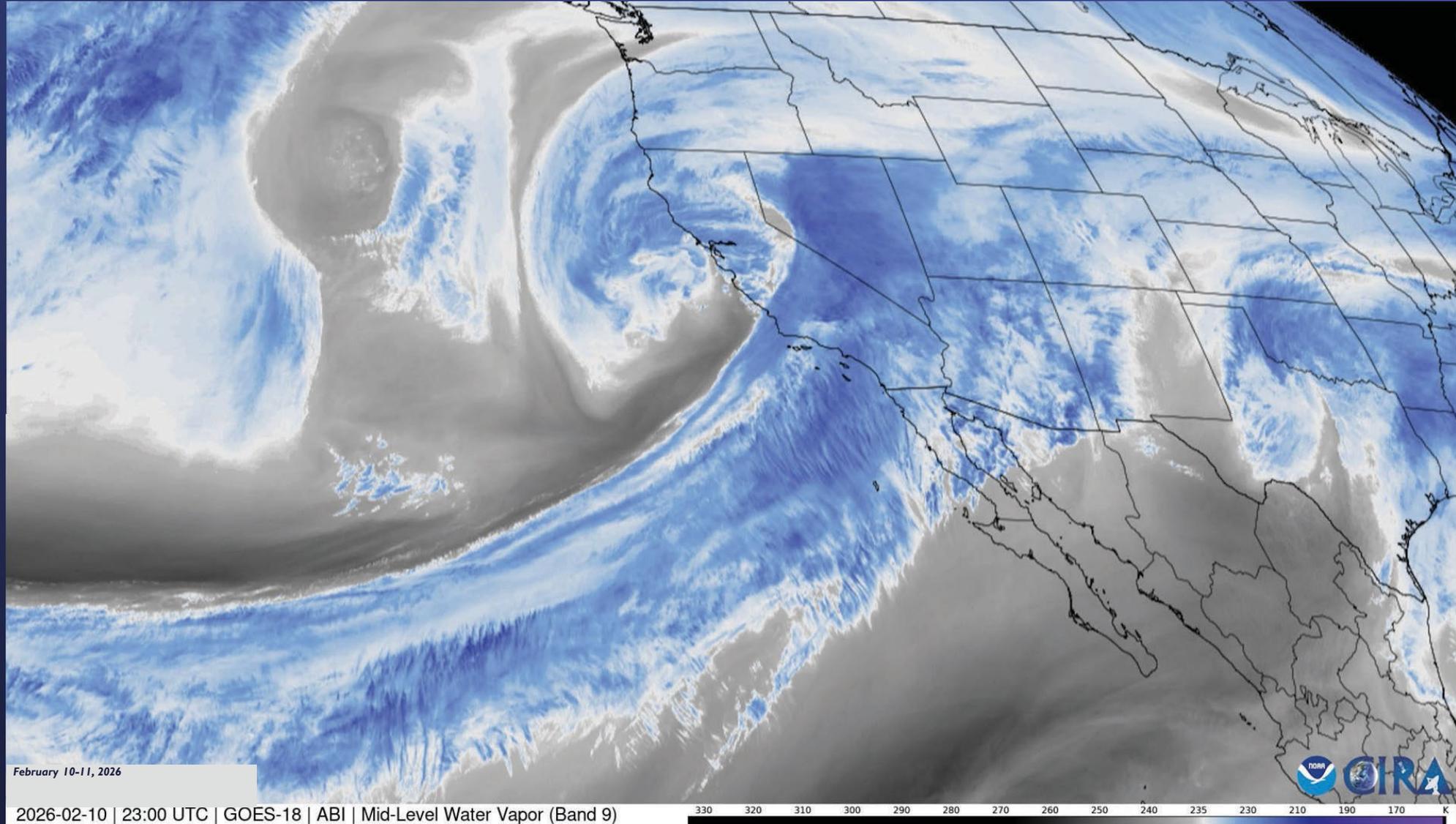
SWP Table A Allocation Increases to 30%

- SWP Allocation increased from 10% to 30%
 - Update reflected improved hydrologic and reservoir conditions from late December and early January storm events
 - Incorporated latest storage level information
- Additional increases to the SWP Allocation may occur
 - DWR continues to assess precipitation, snowpack, and storage levels as Water Year 2026 conditions develop

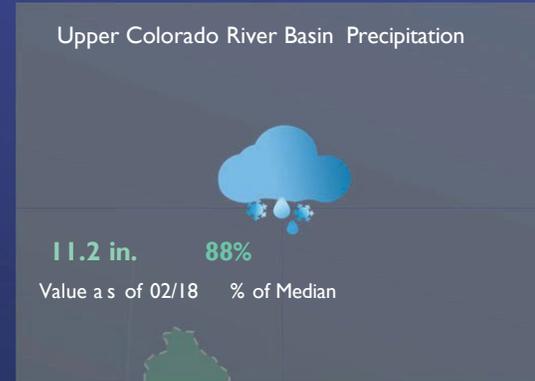
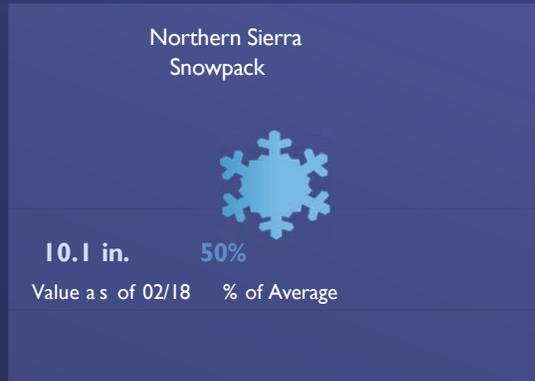
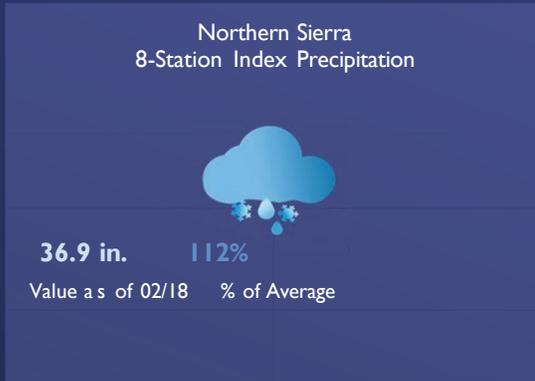


Hydrologic Conditions Update

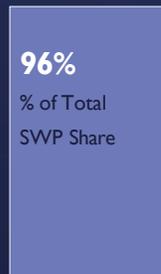
Storm Activity Returns to the Imported Supply Systems



Hydrologic Conditions Summary

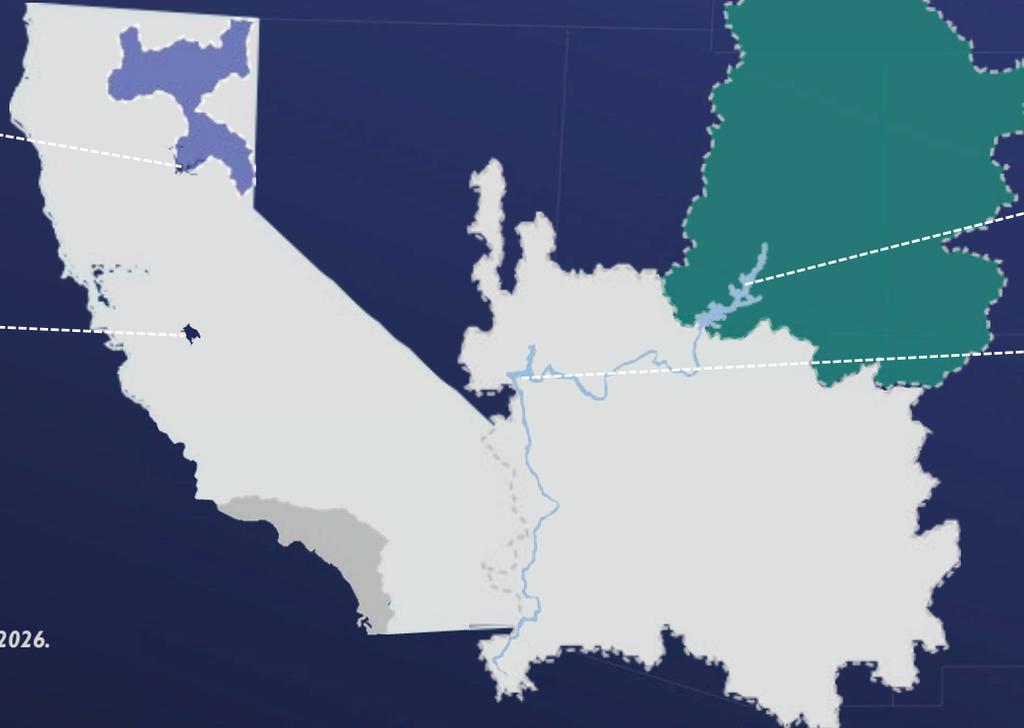


Oroville
2.75 MAF



SWP San Luis
1.02 MAF

Note: Images not drawn to scale. Storage data as of 02/17/2026.

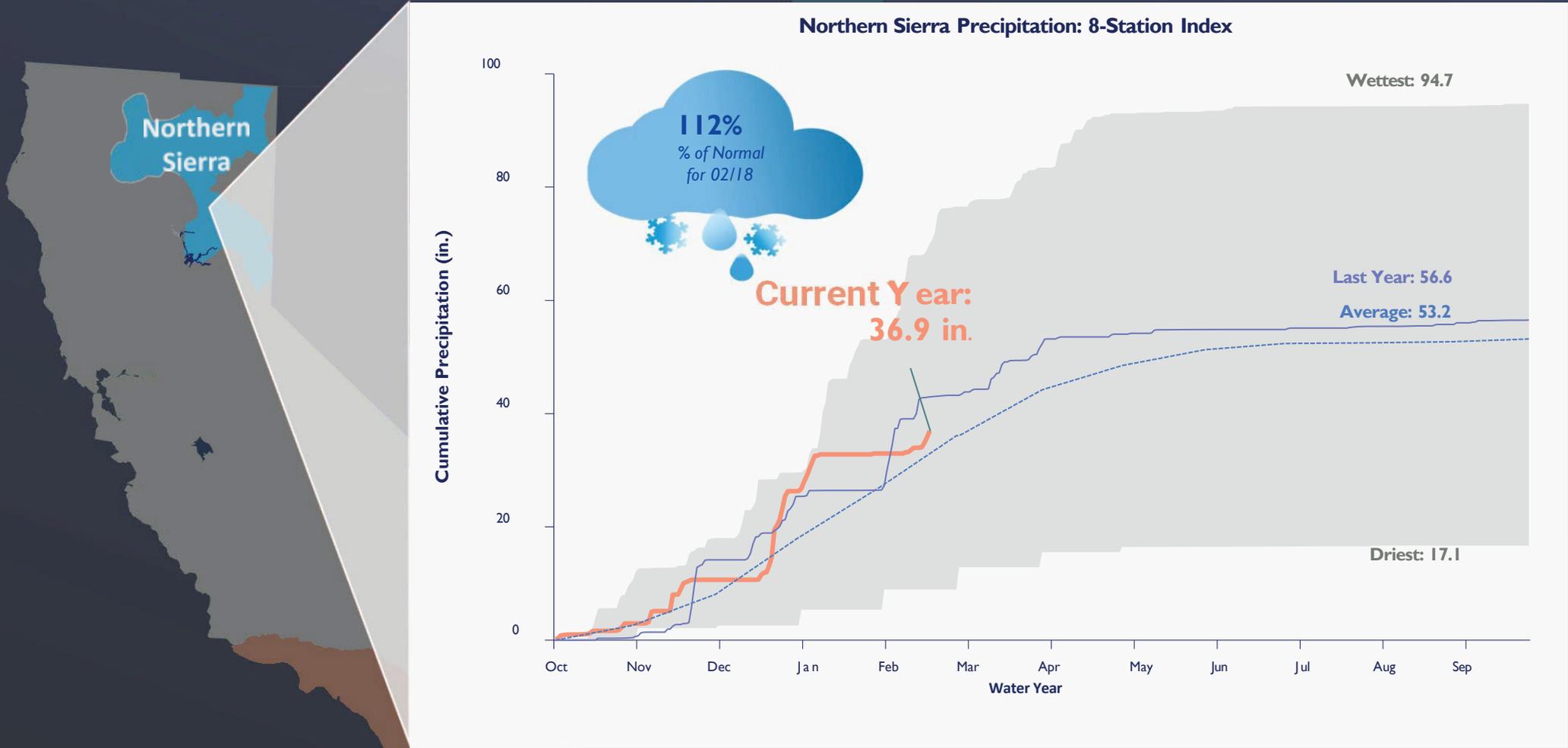


Powell
5.99 MAF



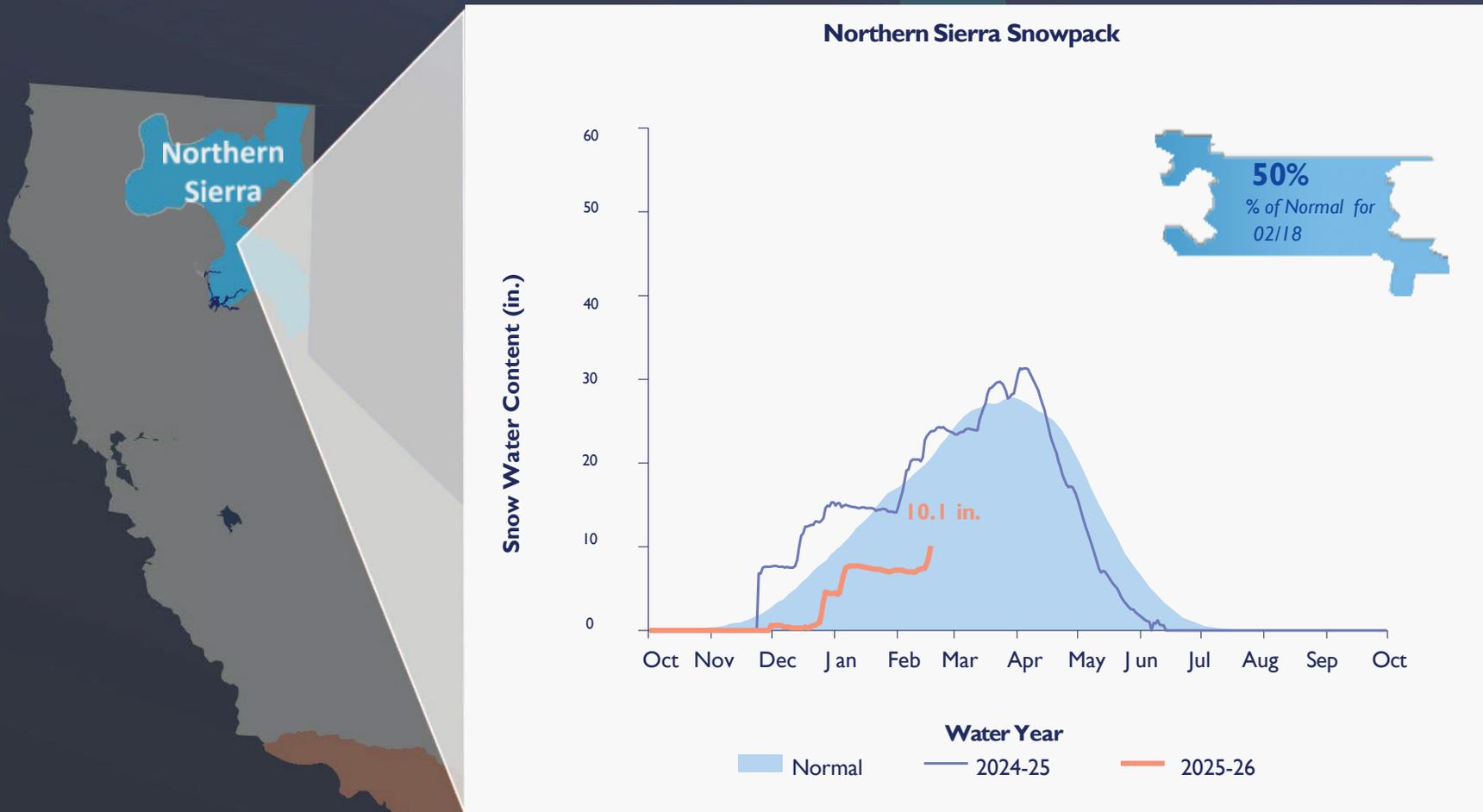
Mead
8.87 MAF

Northern Sierra Precipitation Remains Above Average

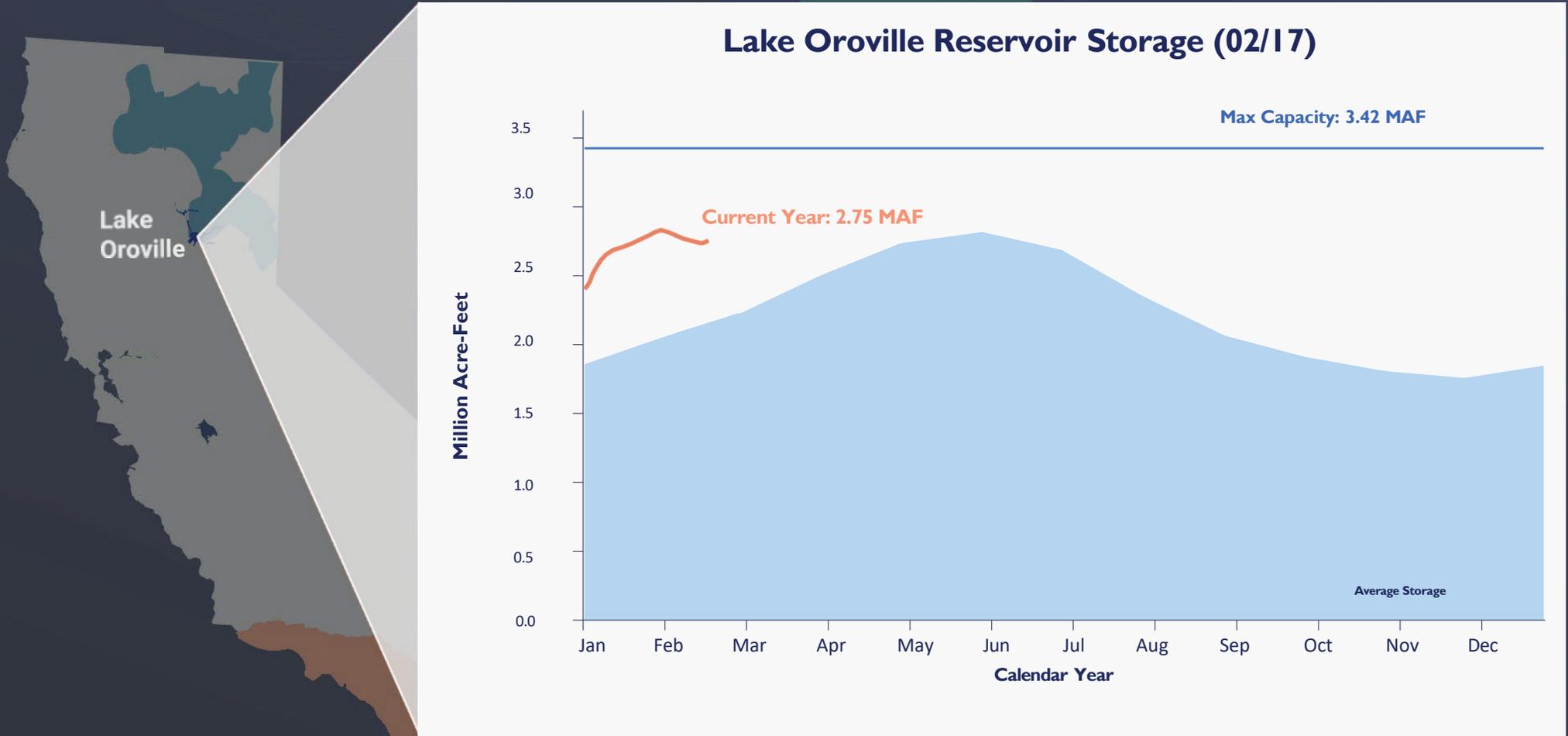


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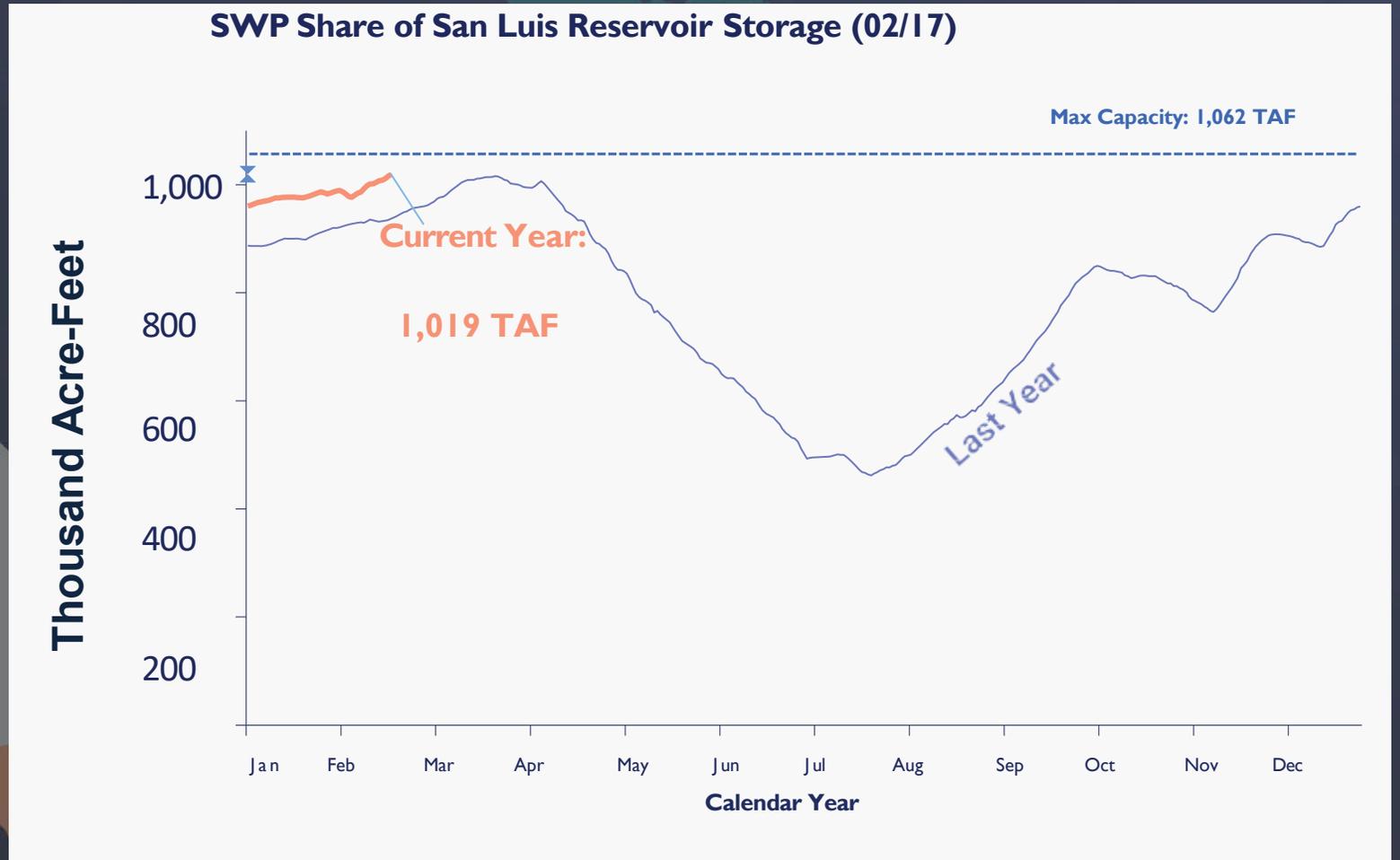
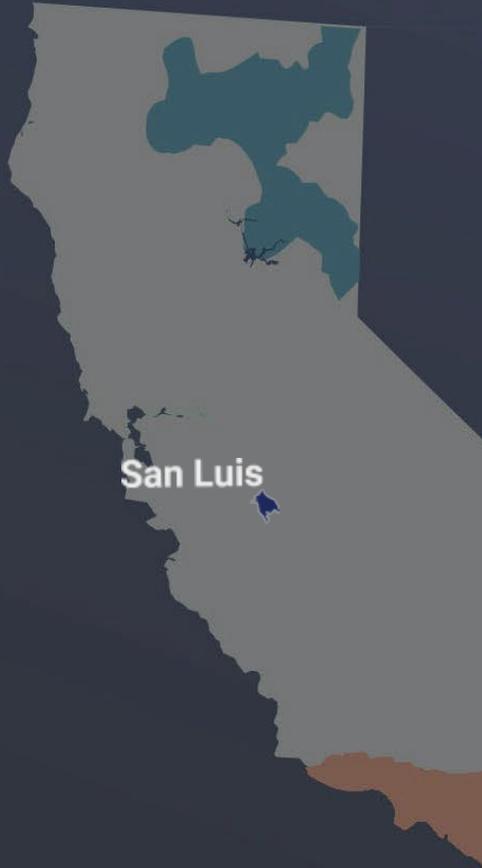
Below-Average Snowpack Continues in Northern Sierra



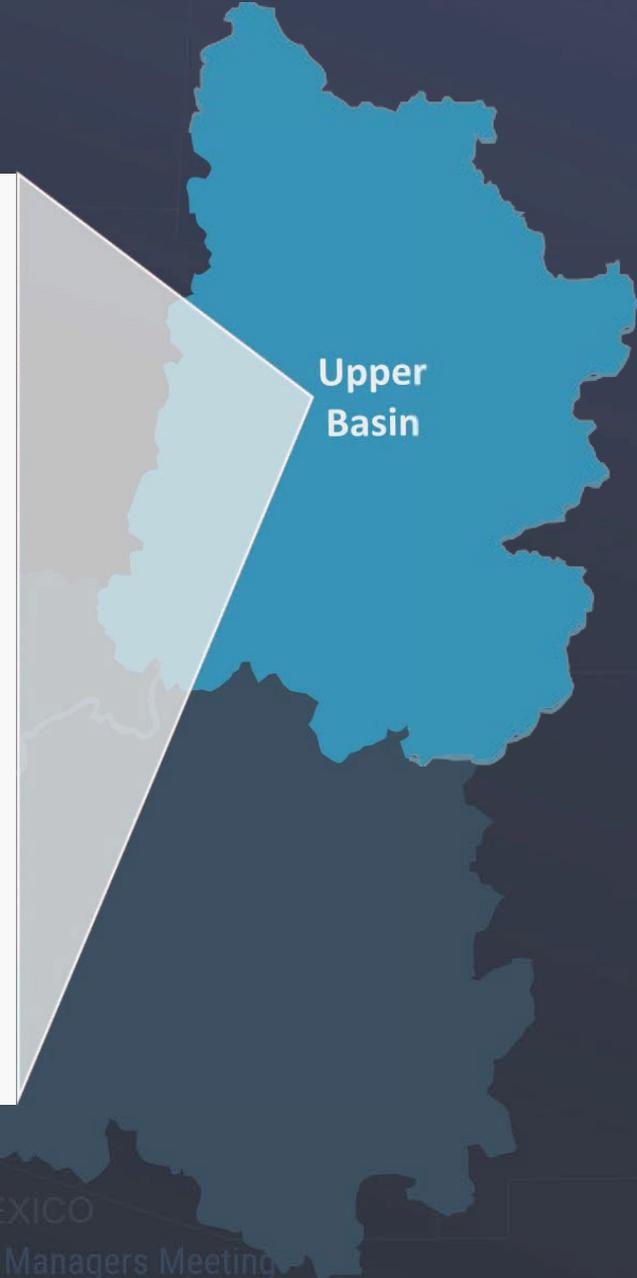
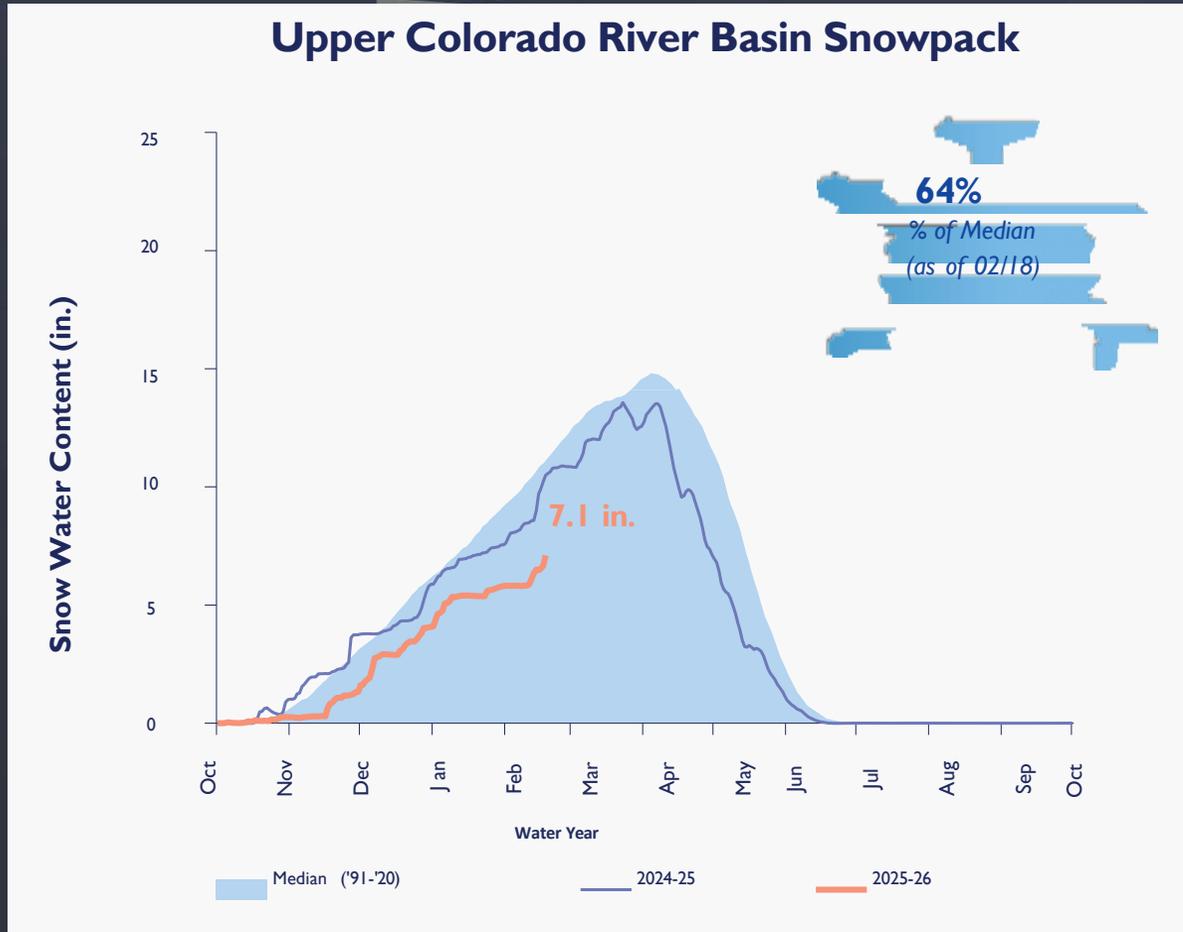
Healthy Storage in Lake Oroville



SWP Share of San Luis Near Full

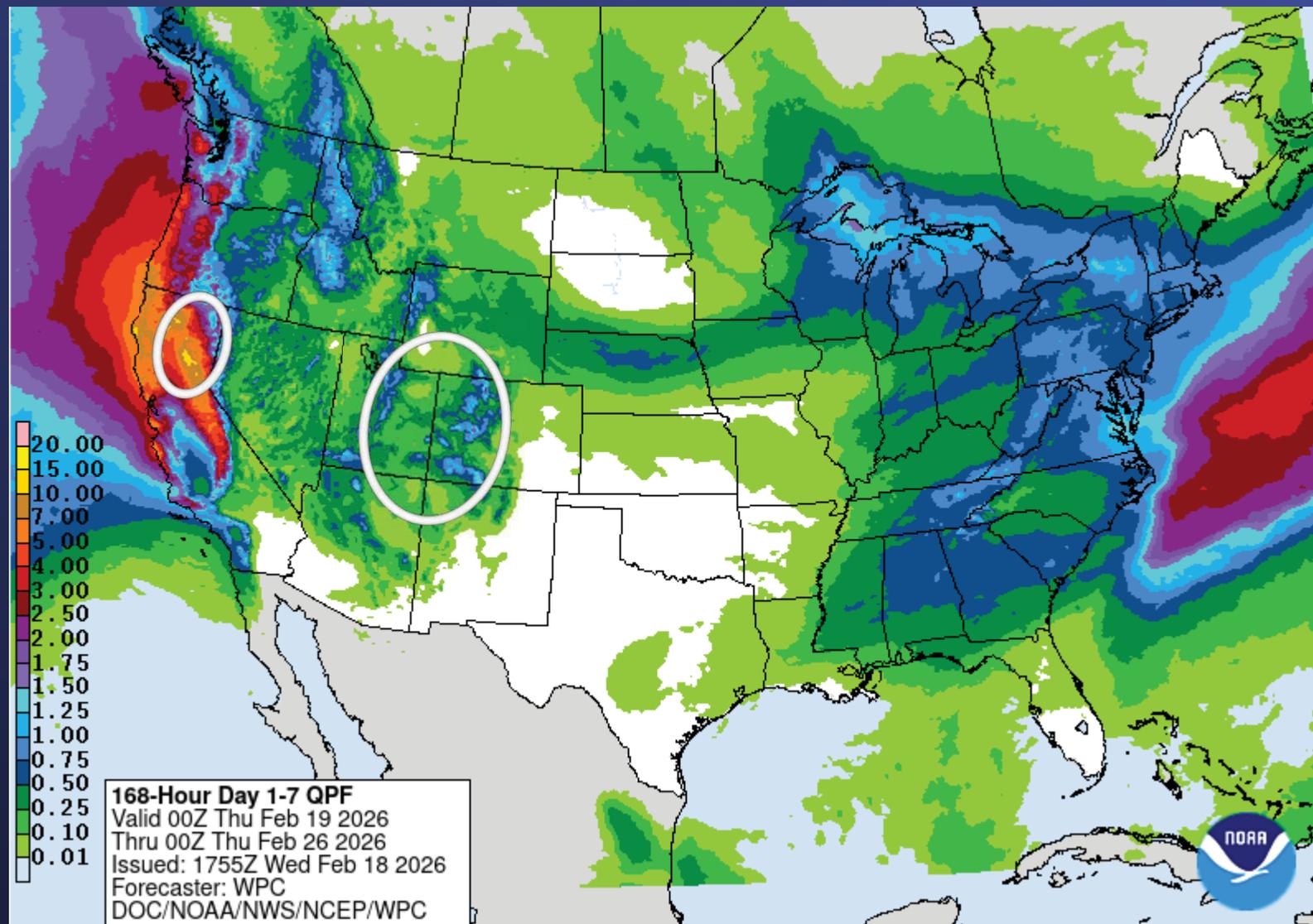


40-Year Low in Upper Colorado River Basin Snowpack



Precipitation in the Forecast

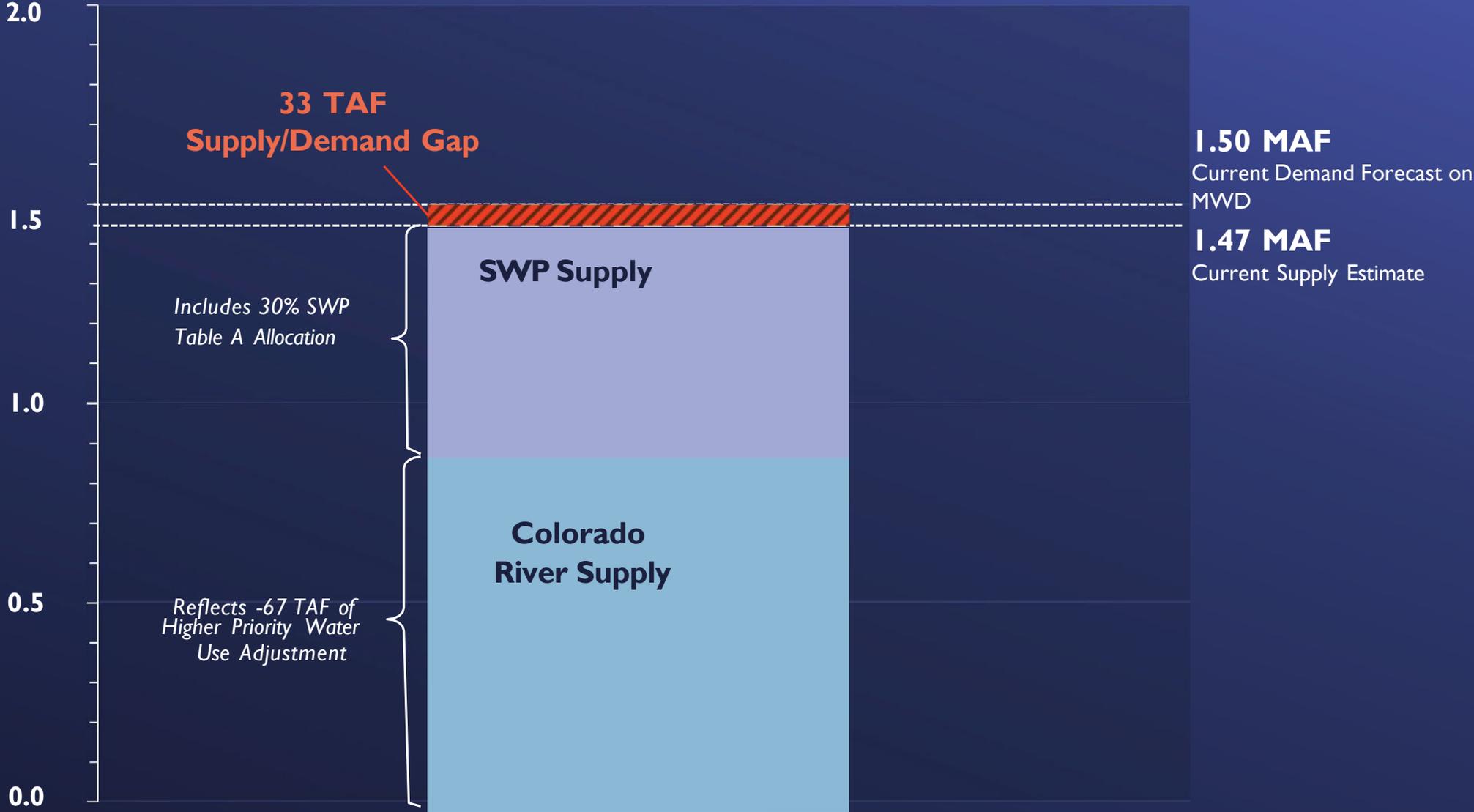
February 19 – February 26



An aerial photograph of the San Luis Reservoir, showing the dark blue water of the reservoir winding through rolling green hills. The hills are covered in lush vegetation, and the sky is a clear, bright blue. The reservoir's shape is irregular, with several peninsulas and inlets. The overall scene is a vibrant, natural landscape.

Metropolitan's 2026 Water Surplus & Drought Management

2026 Water Supply/Demand Balance: Regional View



Note: Data as of February 02, 2026.



Engineering, Operations, & Technology Committee

State Water Project Invasive Mussel Mitigation and Control Update

Item 6a

March 9, 2026

Presented by: Ying Wu and Jinny Huang-Uy

Item 6a

State Water Project Invasive Mussel Mitigation & Control Update

Subject

State Water Project Invasive Mussel Mitigation and Control Update

Purpose

Provide an update on the SWP Invasive Mussel Mitigation and Control Program

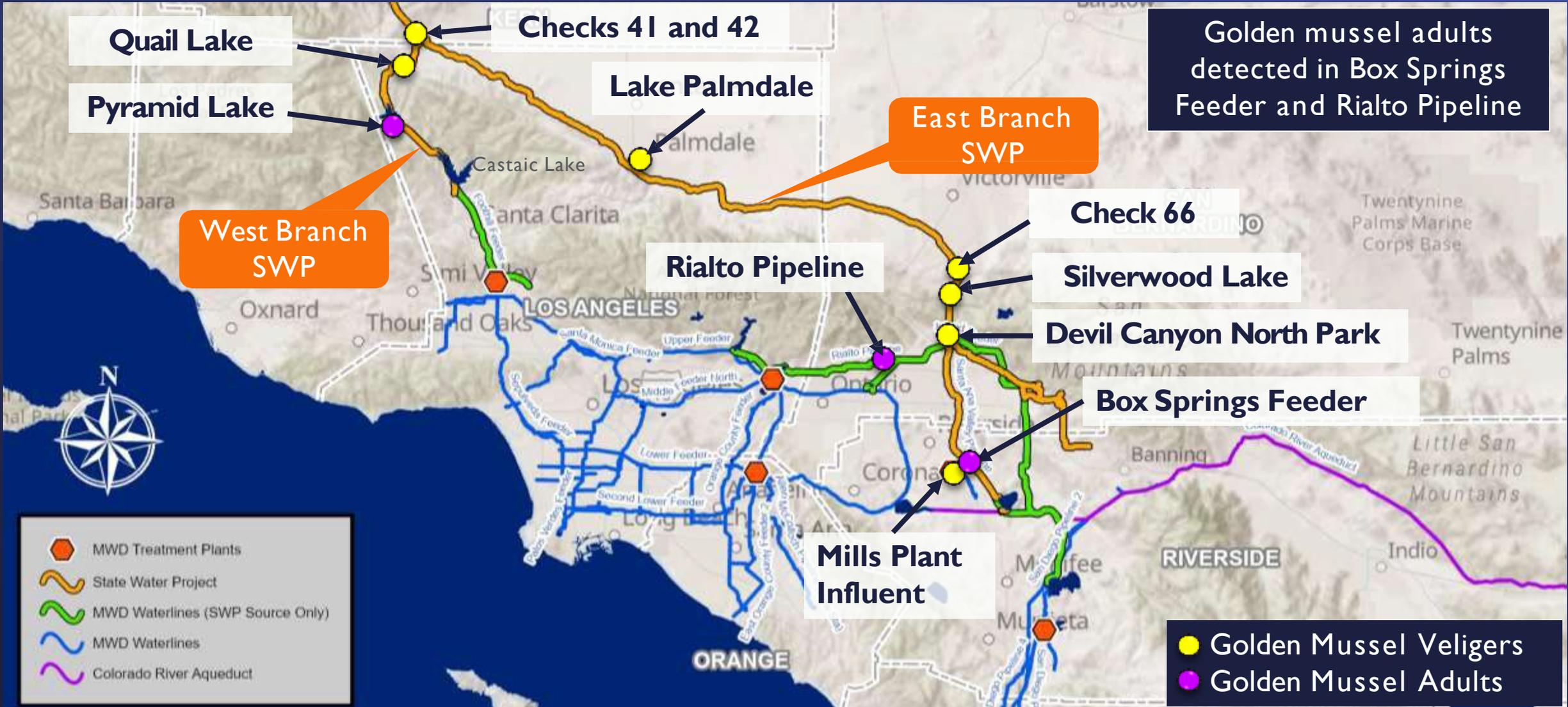
Next Steps

Continue monitoring Metropolitan's system to assess the spread of invasive mussels, researching appropriate control measures, developing control plans and permit applications, and expediting projects to install infrastructure protection measures and facilities to support comprehensive mussel control solutions

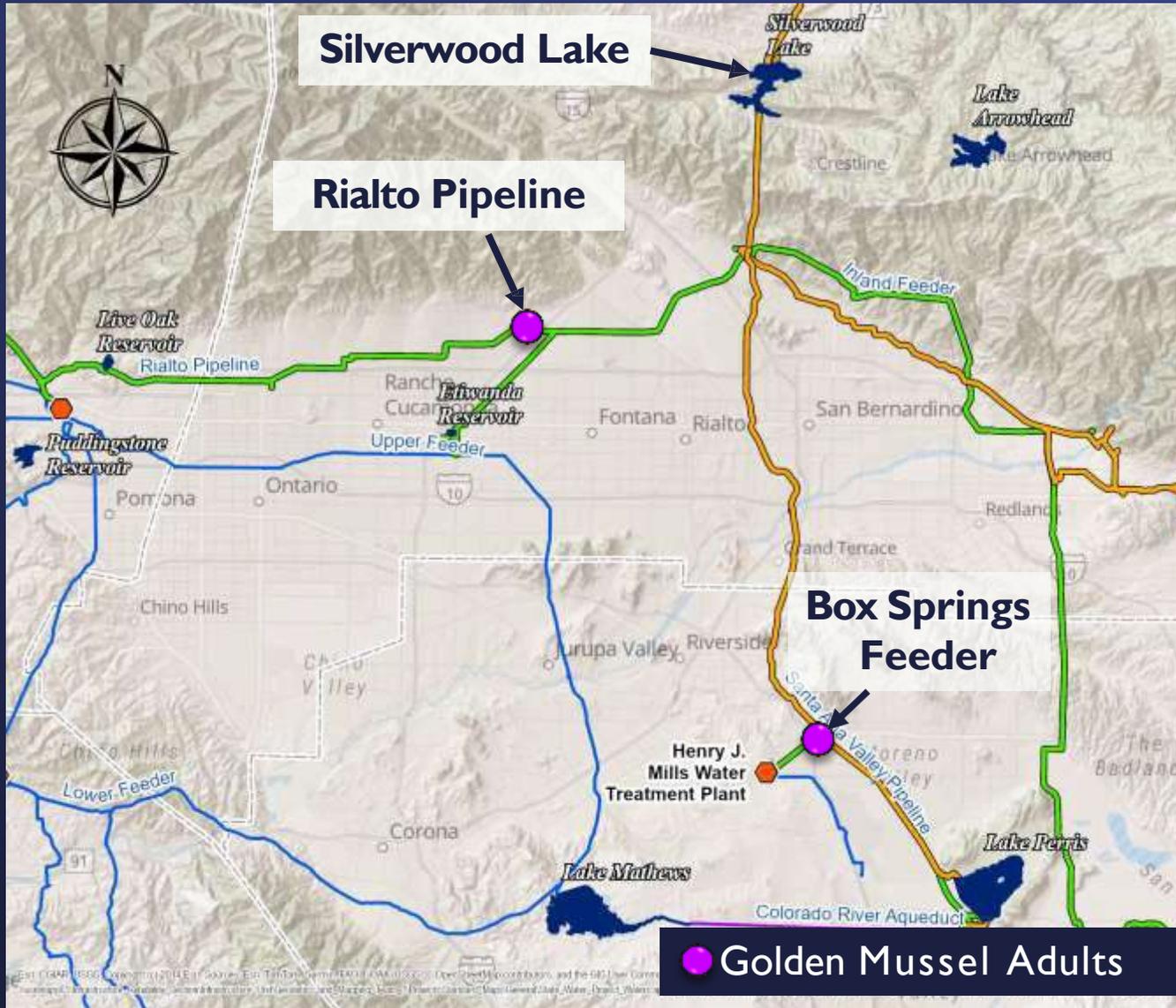
Quagga Mussel Infested Areas in the State Water Project



Golden Mussel Detections in Metropolitan's Local Waters



Golden Mussels in Metropolitan's Local Waters



Adult Mussels
Box Springs Feeder, Dec. 2025



Adult Mussels
Rialto Pipeline Connection, Jan. 2026

Impacts of Invasive Mussels

- Safety of drinking water not affected
- Colonize intakes and raw water conveyance facilities
- Reservoirs and lakes
- Small pipelines at water treatment plants
- Raw water deliveries and releases



Golden Mussels at O'Neill Forebay
(Photo Credit: DWR)



After Golden Mussel
Removal



Photo Credit: DWR

Considerations for SWP Invasive Mussel Control

Water Quality (Increased THM Formation Potential)

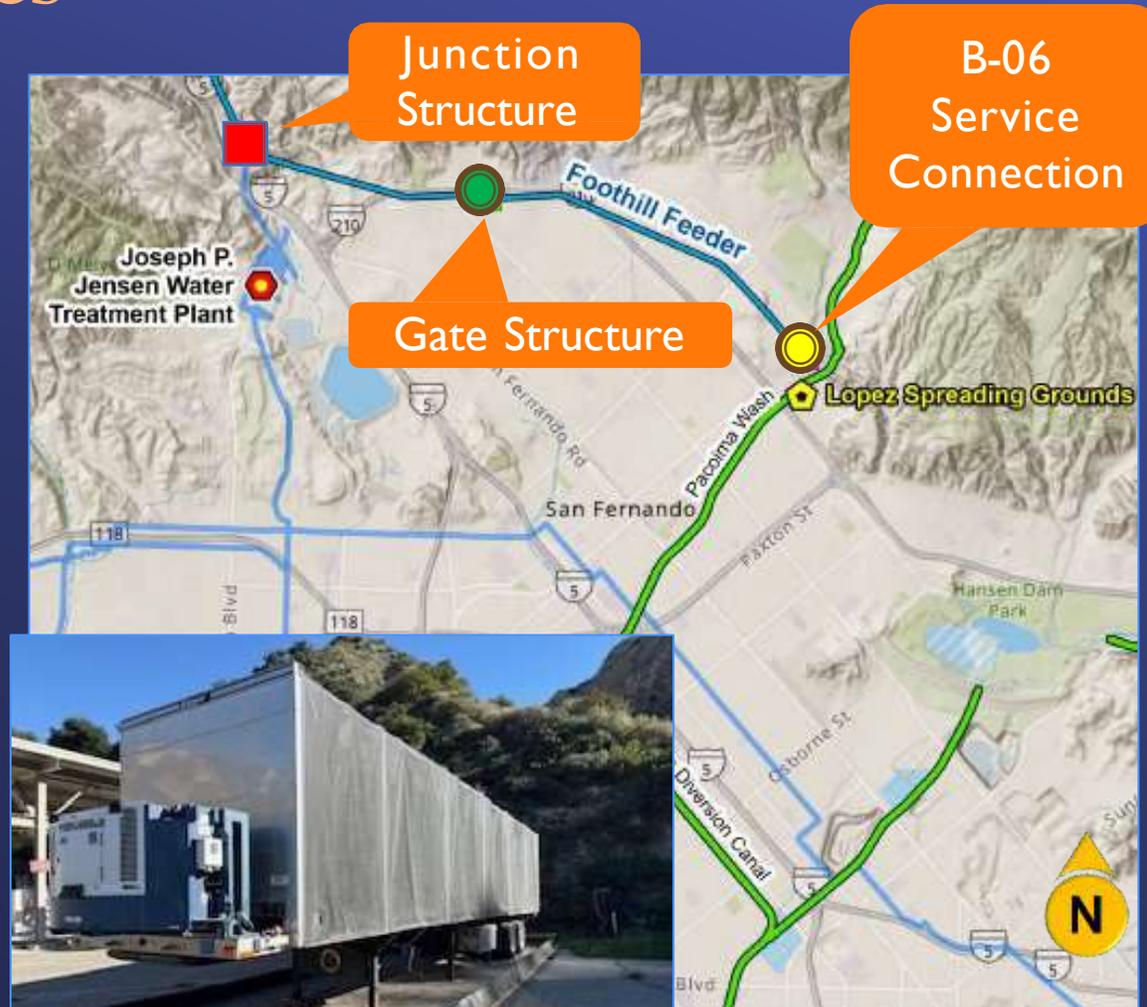
Complex Conveyance Facilities

Many Member Agencies Impacted

Regulatory Requirements for Raw Water Releases

Control Measure for B-06 Deliveries

- Mobile unit installed December 2025
- Procurement of equipment ongoing
 - Pump skid, sample pump
- Temporary control operational by April 2026, pending permit approval
- Design of Phase I and Phase 2 systems in progress



Mobile Unit

Control Measure for USG-03 Deliveries

- Supporting San Gabriel Valley agencies and Watermaster in developing control plan and coordinating with LA County
- Ongoing design of near-term and long-term systems in progress
- Project considerations
 - System operations
 - Chemical deliveries
 - Environmental factors
 - Fire department
 - Division of Safety of Dams



Jensen Water Treatment Plant

Protection for Ozone Cooling Water System

- Sodium hypochlorite injection
- Factory acceptance testing March 2026
- Complete construction by April 2026



Ozone Cooling System
Heat Exchanger



Example of
Pump Skid

Additional Potential Control Locations



Foothill Feeder PCS



Diamond Valley Lake I/O Tower



Inland Feeder & Rialto Pipeline
Interconnection



Perris PCS Effluent

Aquatic Animal Invasive Species Control Permit

- Groundwater replenishment deliveries meet provisions of Aquatic Animal Invasive Species Control Permit
 - Permit application submitted
- Only products registered as pesticides with California Department of Pesticide Regulation
- Project design needs to comply with brand and concentration of registered products

STATE WATER RESOURCES CONTROL BOARD

1001 I Street, Sacramento, California 95814

[National Pollutant Discharge Elimination System \(NPDES\)](#)

[Aquatic Animal Invasive Species Control](#)

(http://www.waterboards.ca.gov/water_issues/programs/npdes/aquatic.shtml)

WATER QUALITY ORDER 2016-XXXX-DWQ

GENERAL PERMIT CAG 990006

STATEWIDE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR BIOLOGICAL PESTICIDES AND RESIDUAL CHEMICAL PESTICIDE DISCHARGES TO WATERS OF THE UNITED STATES FROM AQUATIC ANIMAL INVASIVE SPECIES CONTROL APPLICATIONS

Site-Specific Control Plans



Diamond Valley Lake

Diamond Valley Lake

- No CRA water added since 2005
- No operational need to fill with SWP supplies since February 2025
- SWP-interconnected waterbody
- No mussels detected yet; filling of DVL can proceed without a control plan
- If mussels detected, control plan will be needed for water leaving DVL
 - Assessing potentially impacted releases & deliveries
 - Service connection controls may include containment, percolation, or chlorination



Regional and State Collaboration

- Participating in various workgroups of State Golden Mussel Task Force
- Participating in Water Agency Task Force organized by State Water Contractors
- Regular communication with CDFW
- Collaborating with DWR in studying feasibility of centralized control on WB-SWP and EB-SWP
- Coordination with impacted Member Agencies
- Meetings and discussions with other agencies impacted by golden mussels

DWR Mussel Control Feasibility Study

- Evaluate feasibility of installing control measures at Devil Canyon on East Branch and near Castaic Lake on West Branch of SWP
- Evaluate chemical and physical control methods
 - Hypochlorite, chloramines, copper molluscicides, UV, filtration
- Consider impacts on other SWCs
- Identify potential locations, cost, O&M, schedule
- Kickoff meeting in December 2025
- Expedited study expected to be completed summer 2026



Devil Canyon Site Visit, Feb. 2026

Invasive Mussels in State Water Project



Next Steps

- Continue monitoring and assessing system impacts
- Design and install control measures
- Continue site inspections and assessments
- Update overall invasive mussel control plan and complete site-specific plans
- Continue multi-agency coordination
- Planning for Member Agency Water Quality Managers workshop in late April 2026

