

YCFC&WCD BOARD OF DIRECTORS

January 7, 2025



Y O L O C O U N T Y
FLOOD CONTROL &
WATER CONSERVATION
DISTRICT

Agenda Item #1

Adoption of the
Regular Board
Meeting Minutes

Agenda Item #2

Open Forum

Guest introductions, unscheduled appearances and opportunity for public comment on non-agenda items

Agenda Item #3

Adding Items to the
Posted Agenda

Agenda Item #4

Election of Officers for 2025

Agenda Item #5

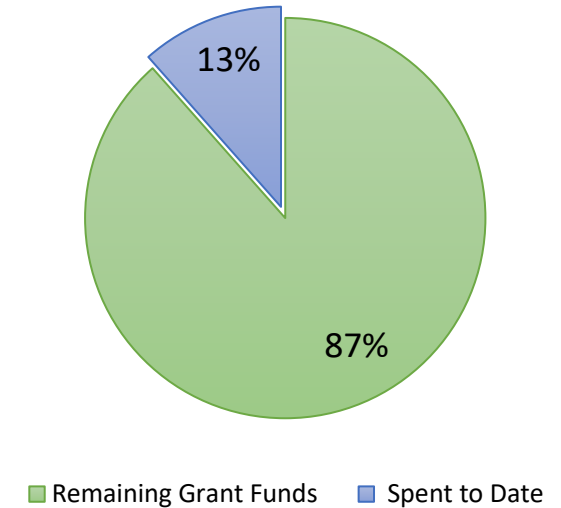
YSGA Update

Upcoming YSGA Meetings

- January 13: YSGA Board of Directors Meeting
- February: YSGA Executive Committee Meeting

Grant Expenses through October 31, 2024

Grant Component	Remaining Grant Funds	Spent to Date
Total	\$ 7,917,000	\$ 1,122,841
1. GRANT ADMINISTRATION	\$ 613,950	\$ 60,733
2. YOLO SUBBASIN GSP IMPLEMENTATION	\$ 1,721,000	\$ 435,572
YSGA	\$ 460,000	\$ 23,937
Consultant	\$ 1,261,000	\$ 411,635
3. YCFCWCD WINTER RECHARGE PROGRAM	\$ 2,600,000	\$ 299,070
YCFC&WCD	\$ 1,175,000	\$ 250,205
Consultant	\$ 1,425,000	\$ 48,866
4. CITY OF WINTERS FEASIBILITY STUDIES	\$ 580,000	\$ -
5. YOLO-ZAMORA GROUNDWATER RECHARGE PILOT PROJECT	\$ 1,221,100	\$ 327,465
YCFC&WCD + YCFC&WCD Consultants	\$ 401,300	\$ 217,922
YSGA	\$ 105,000	\$ 1,624
Consultant	\$ 714,800	\$ 107,919
6. DUNNIGAN AREA RECHARGE PROGRAM	\$ 1,180,950	\$ -



YCFC&WCD Recharge Updates

- 2025 Temporary Permit application submitted in August and **approved on December 20, 2024**

Allows the District to divert winter water from Cache Creek for recharge between January 1 – April 15, 2025

Diversions into the canals to start January 8, 2025

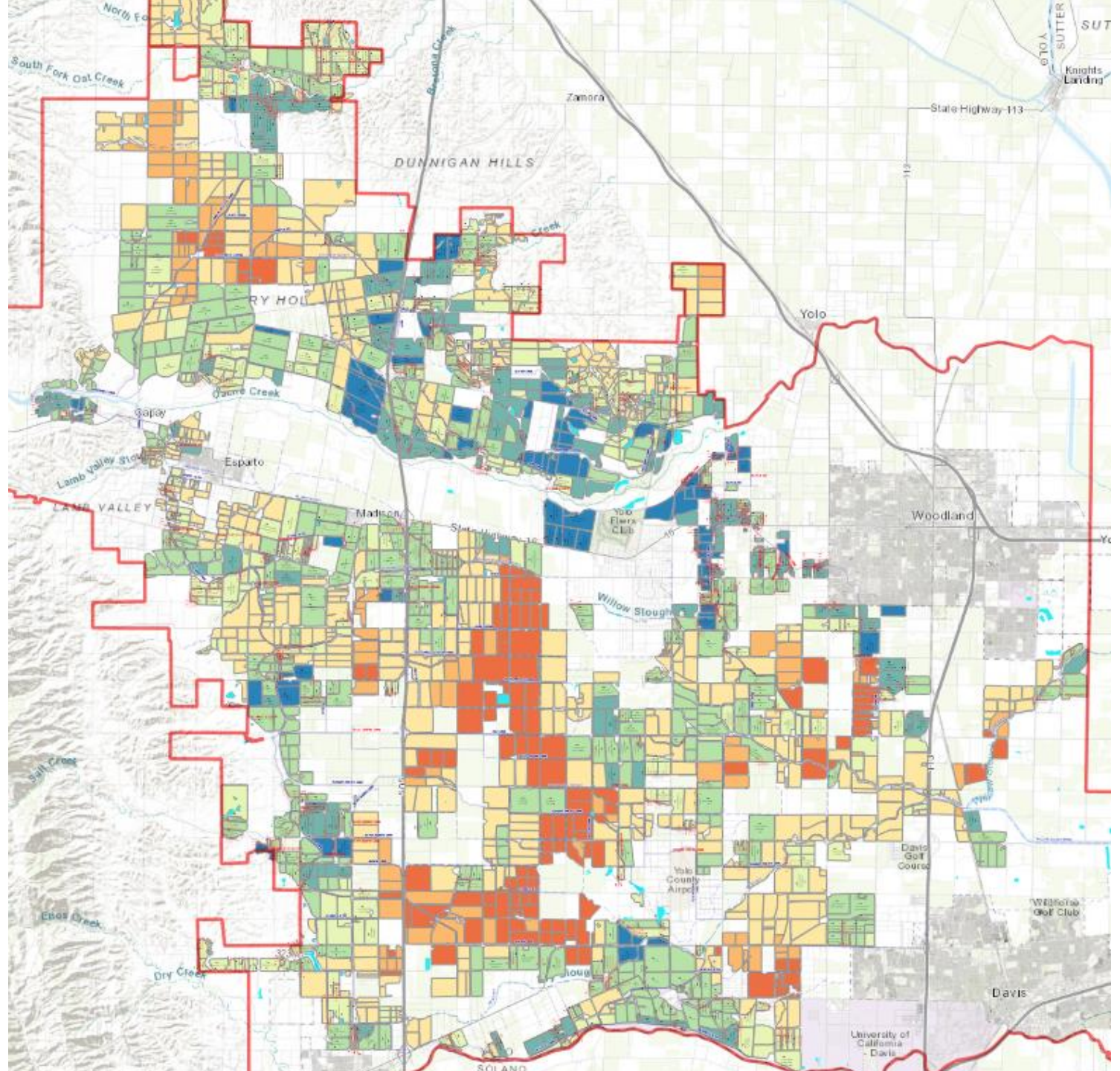


YCFC&WCD Recharge Updates

- MBK Engineers has initiated the water availability analysis for long-term application & was expected to be submitted by end of 2024 ... now anticipating submission in March 2025
- District Staff, MBK Engineers, and Legal Council are currently discussing ways to maximize diversions



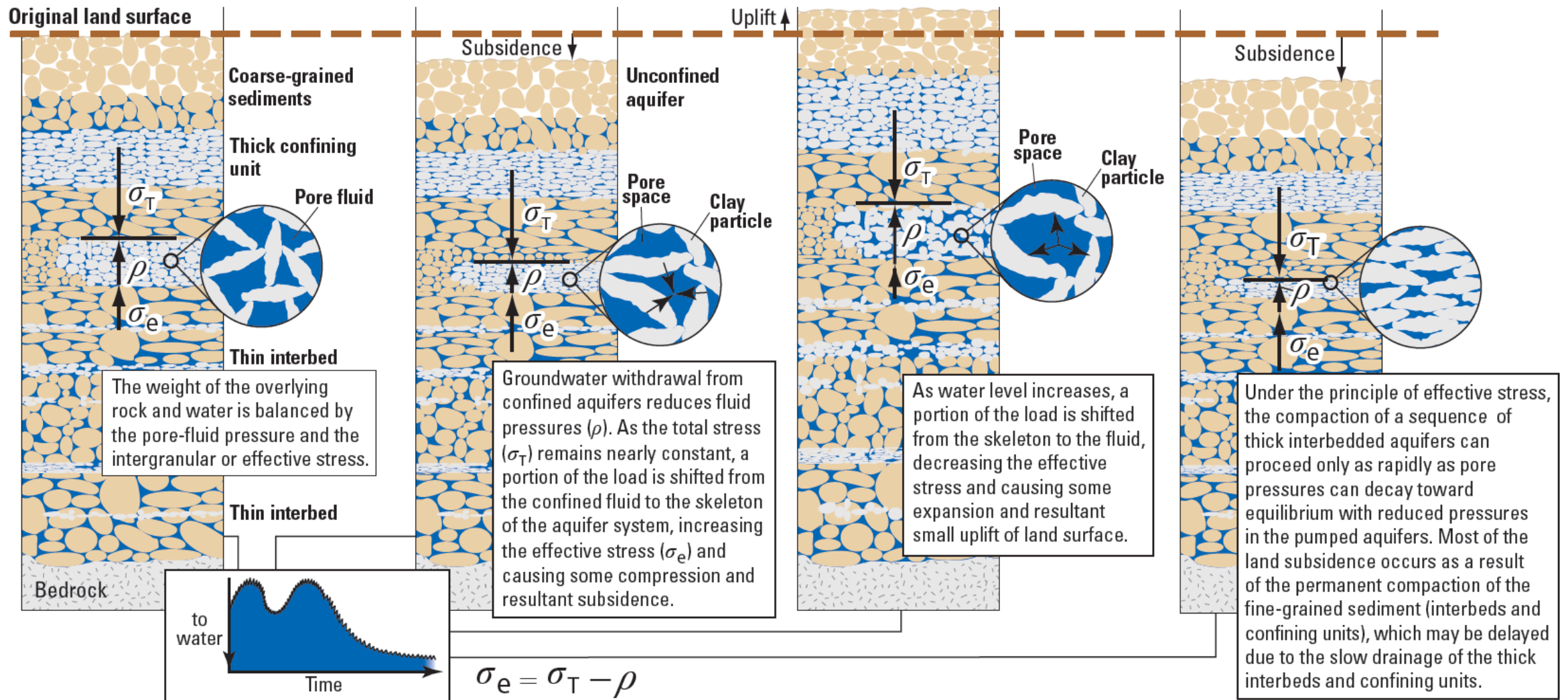
Winter Water On-Farm Recharge Opportunities



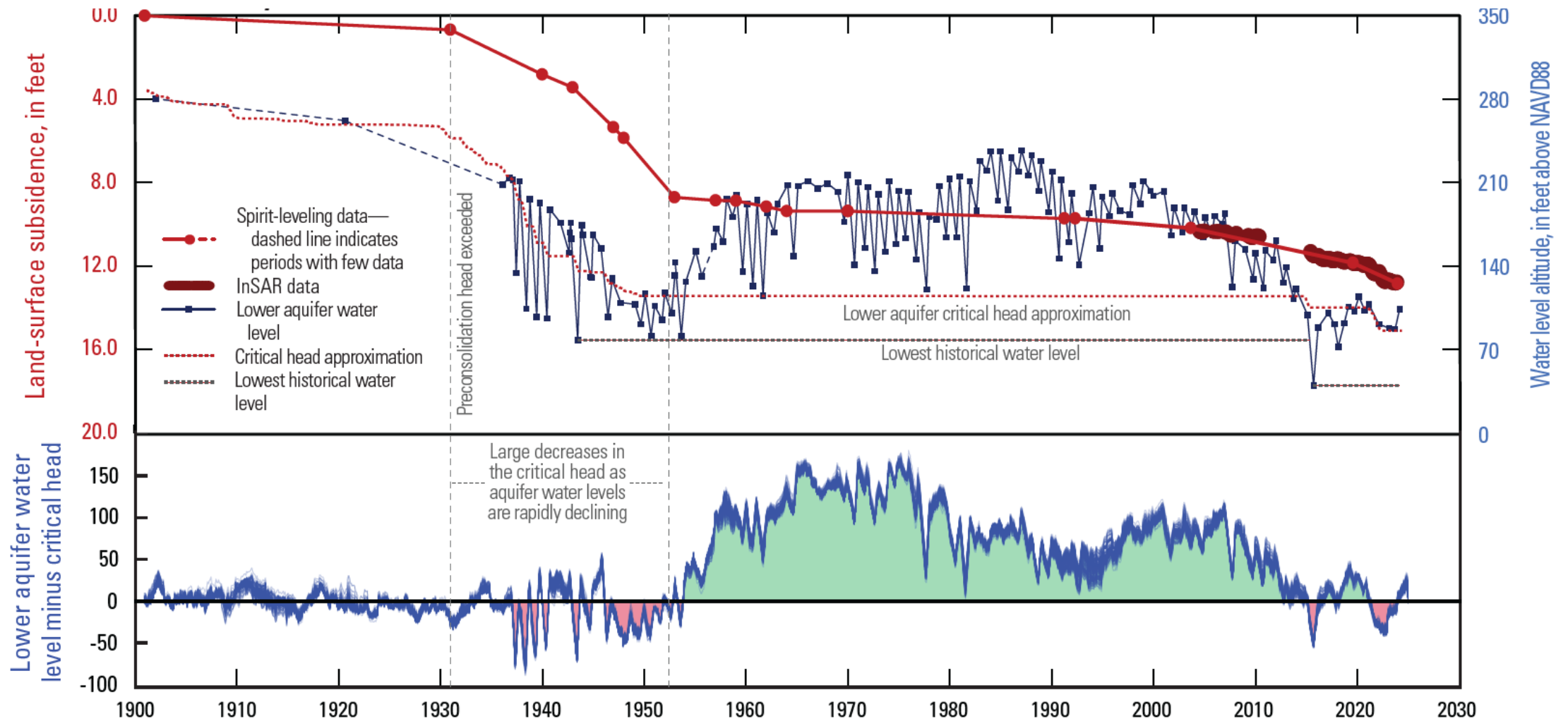
NCWA/DWR Land Subsidence Forum

- NCWA, DWR, and Sac Valley GSAs met on December 12
- Q1 2025: DWR will release a draft *Land Subsidence Best Management Practices* (BMP) and scientific findings document ***to guide GSAs through future regulations***
- DWR will develop new regulations to require GSAs to take immediate actions to prevent more land from sinking due to overdrafting aquifers
 - *“New regs will require GSAs to shore up monitoring, develop a better understanding of the hydrologic modeling, detail basin vulnerabilities, gather more information on the extraction wells, and home in on the infrastructure impacted by subsidence.”*
- Regulations will likely result in a change in management of groundwater pumping

A Primer on How Land Subsidence Occurs

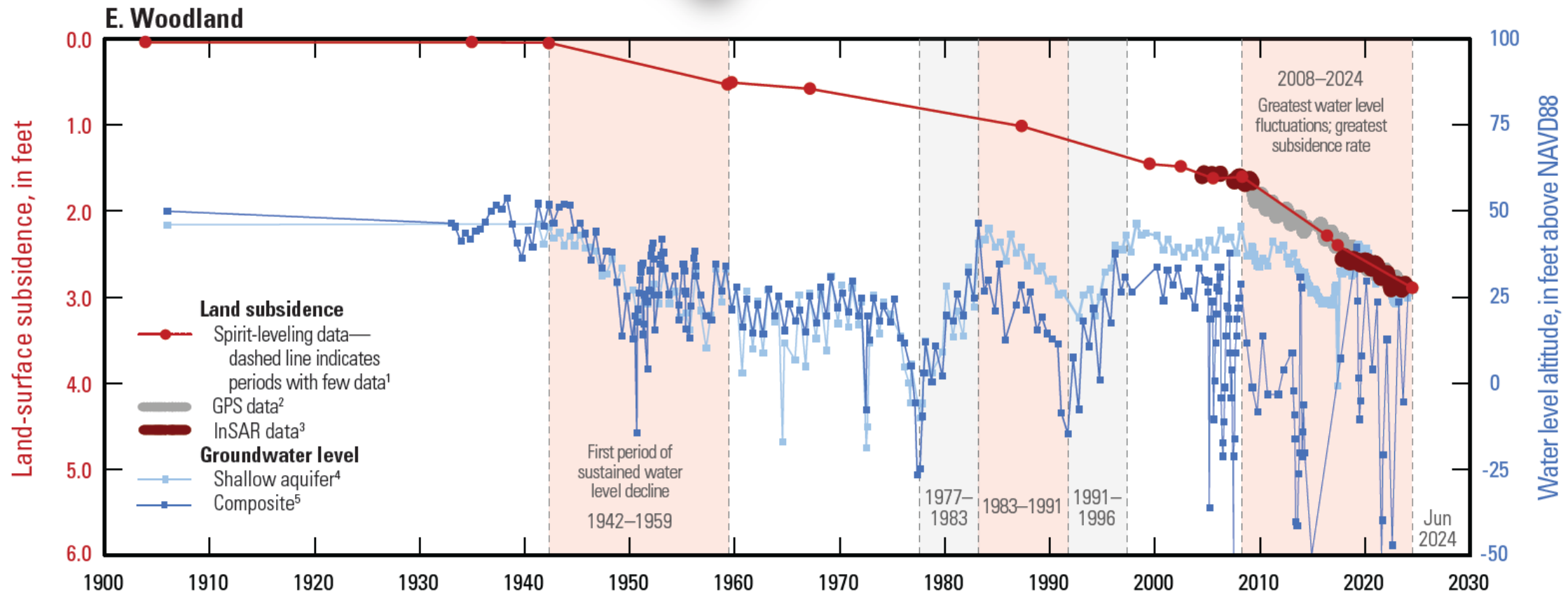
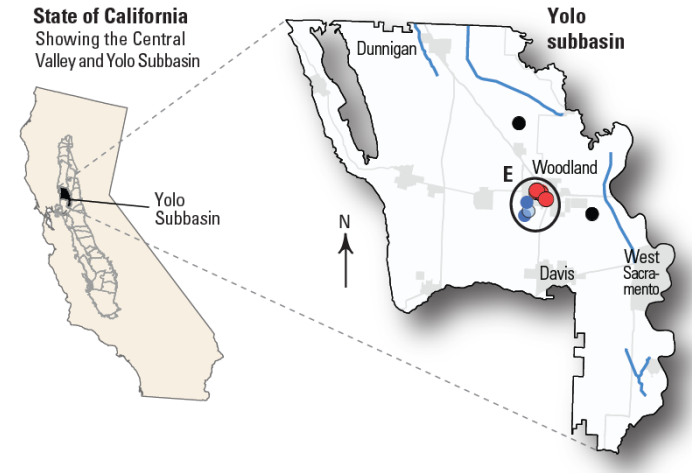


Subsidence BMP – Estimating Critical Head



The critical head approximation shown on this figure was determined using a one-dimensional model where the groundwater level in the groundwater flow cell and the lowest groundwater level in the interbed delay cell are differenced. The critical head approximation is based on a model ensemble of about 200 realizations (individual models).

One Example from Woodland



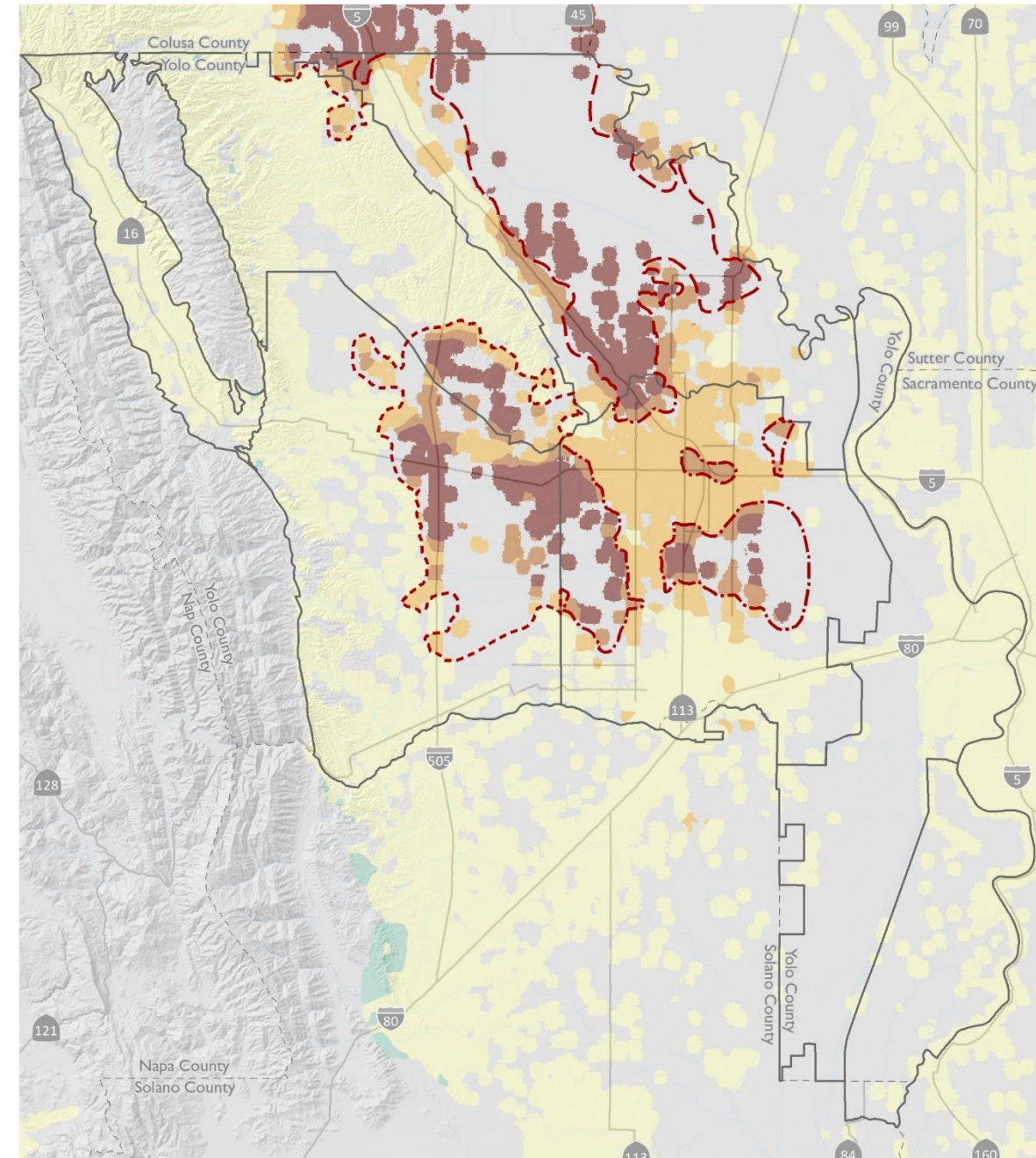
Rates of Subsidence in Yolo

- Subsidence occurred between July 2018 and July 2023
- Rates of subsidence in multiple areas *exceeded* the GSP defined Minimum Threshold *rates* during this period

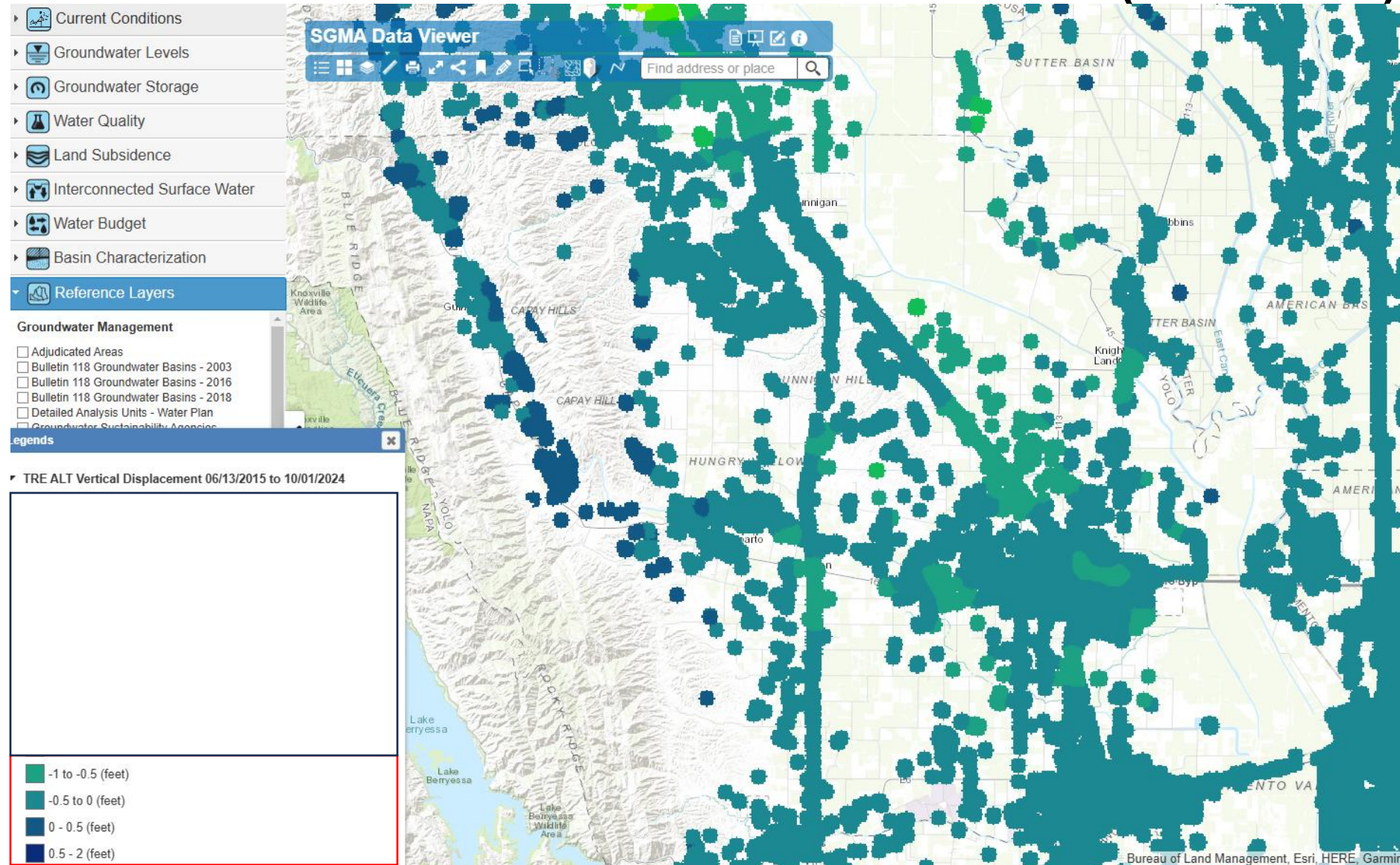
Minimum Threshold by Management Area



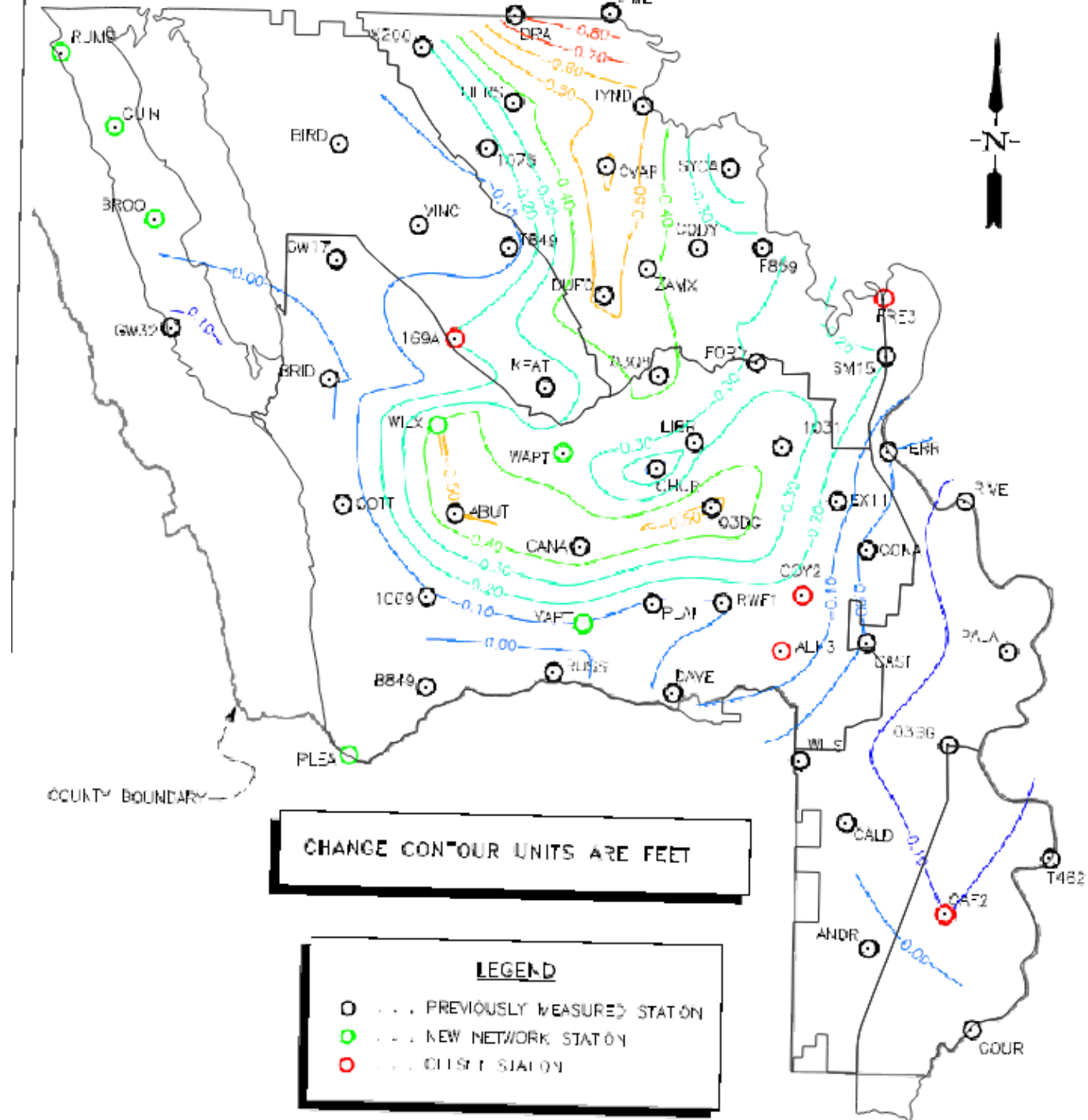
5-Year Average Annual Rate of Subsidence (July 2018-2023)



Total Subsidence Since 2015 (InSAR)



Total Subsidence Since 2017 (GPS)



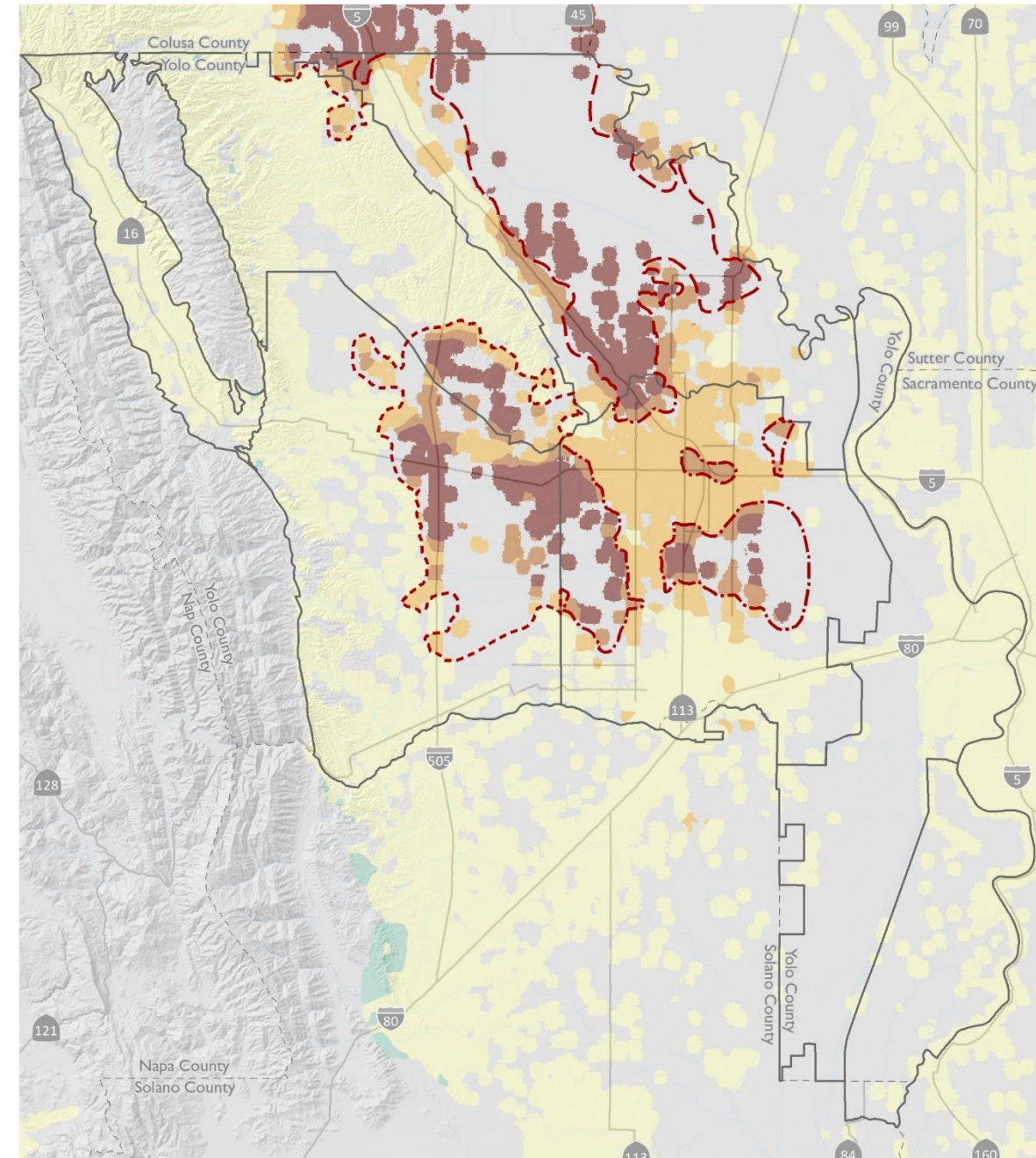
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Minimum Threshold by Management Area



5-Year Average Annual Rate of Subsidence (July 2018-2023)



DWR Continuous GPS Stations





Yolo-Zamora Pilot Recharge Project Landowner Meeting

Water and Land Solutions and YSGA Staff presented to landowners at a workshop to share updates on the project:

- Presented refined data on project alternatives. Landowners provided feedback there is a preference for two of the four projects due to costs relative to potential benefits.
- Discussed challenges with permitting for rehabilitating China Slough
- Planned next steps

Agenda Item #6

Directors' Reports

Report on Meetings and Conferences Attended During the Prior Month on Behalf of the District

- i. NCWA Meetings (Bay-Delta Task Force and Groundwater Management Task Force)
- ii. NCWA/DWR Land Subsidence Forum (December 12)
- iii. Farmers Council Meeting (December 18)
- iv. Strategic Plan Committee Meeting (December 19)

Agenda Item #7

General Manager's Report

- **Water Conditions Report**
- **Preliminary Financial Report**
- **Capital Improvement Program**
- **General Activities**
- **Upcoming Events**

Current Water Conditions (1-7-25)

	<u>Elevation</u>	<u>Available</u>	<u>2024</u>
Clear Lake			
• January 7	5.96'	0 AF	3.28' (0 AF)
• December 7	3.33'	0 AF	
• Total Difference	2.63'	0 AF	
Indian Valley Reservoir			
• January 7	1,476.66'	268,000 AF	1,442.85' (153,800 AF)
• December 7	1,467.68'	234,800 AF	
• Total Difference	8.98'	33,200 AF	

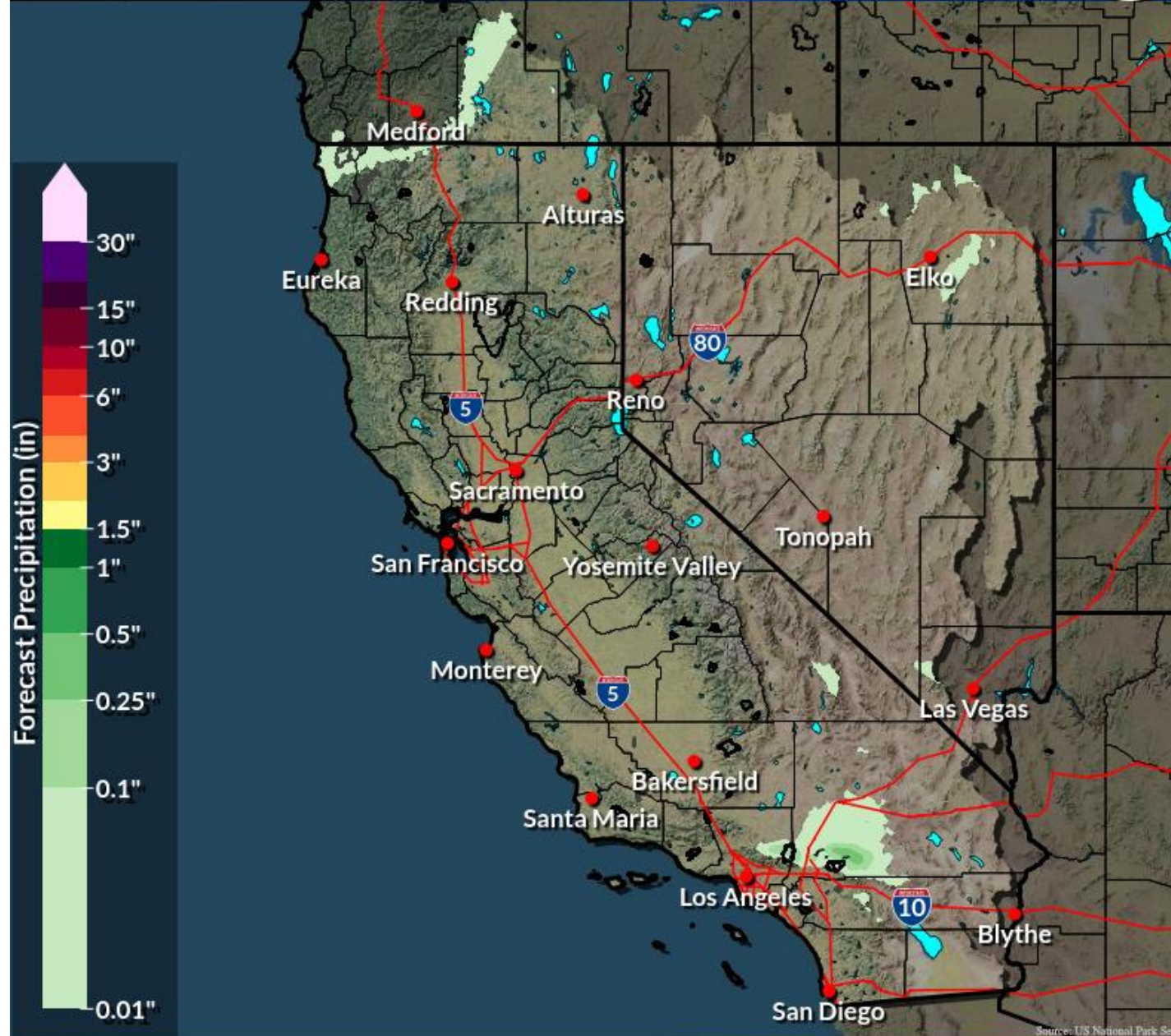
Facility	Precipitation (10/1/24 – 1/7/25)
Cache Creek Dam	14.61"
Indian Valley Reservoir	12.83"
Headquarters	8.52"

6-Day Forecast Precipitation

River Forecast Center
Sacramento, CA



Tue Jan 7, 2025 4 AM PST to Mon Jan 13, 2025 4 AM PST Issued Jan 07, 2025 5:56 AM PST



☐ 7 days ☐ 30 days ☒ 1 year

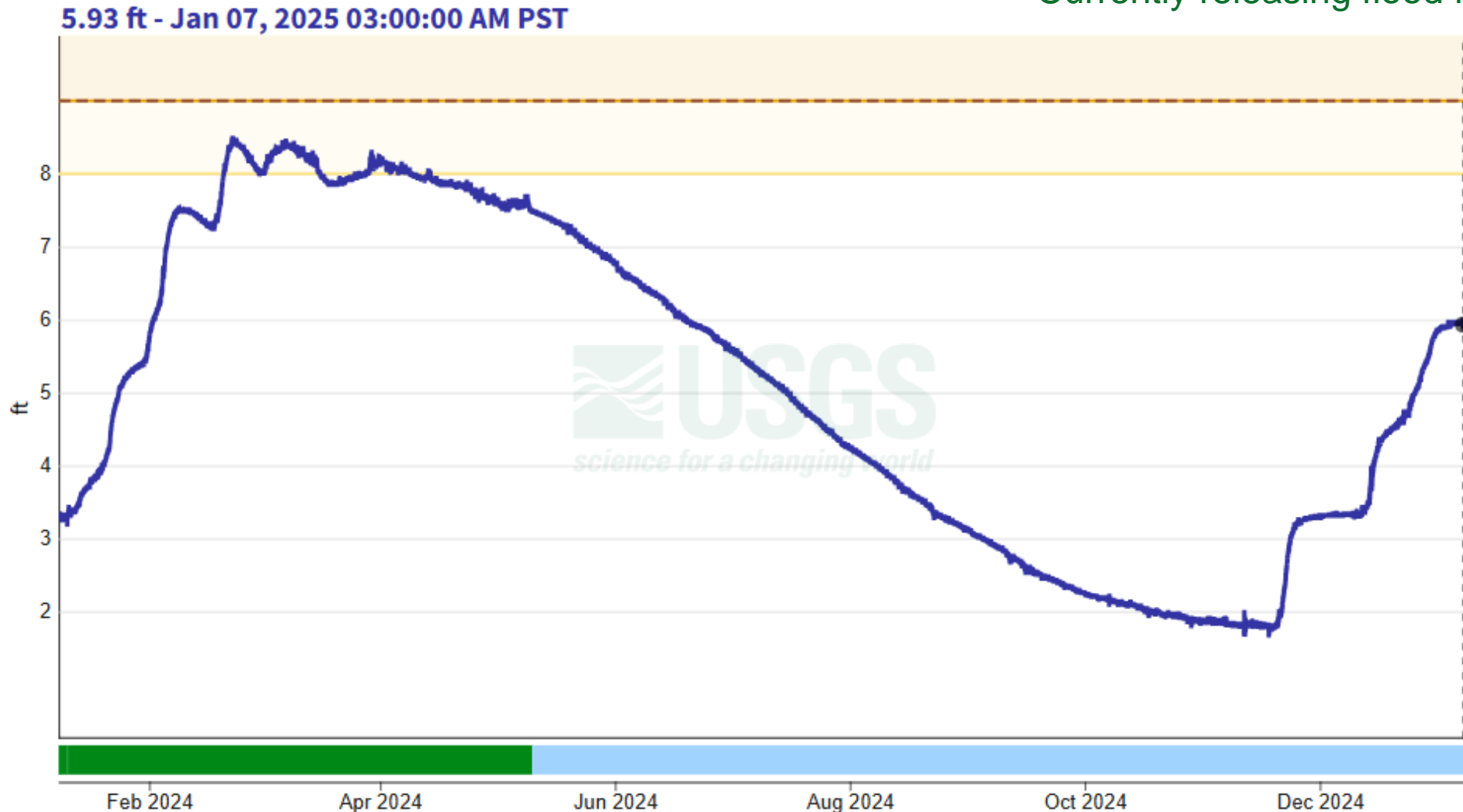
Scale

Clear LK a Lakeport CA - 11450000

January 8, 2024 - January 7, 2025

Gage height, feet

Currently releasing flood flows ~970 cfs

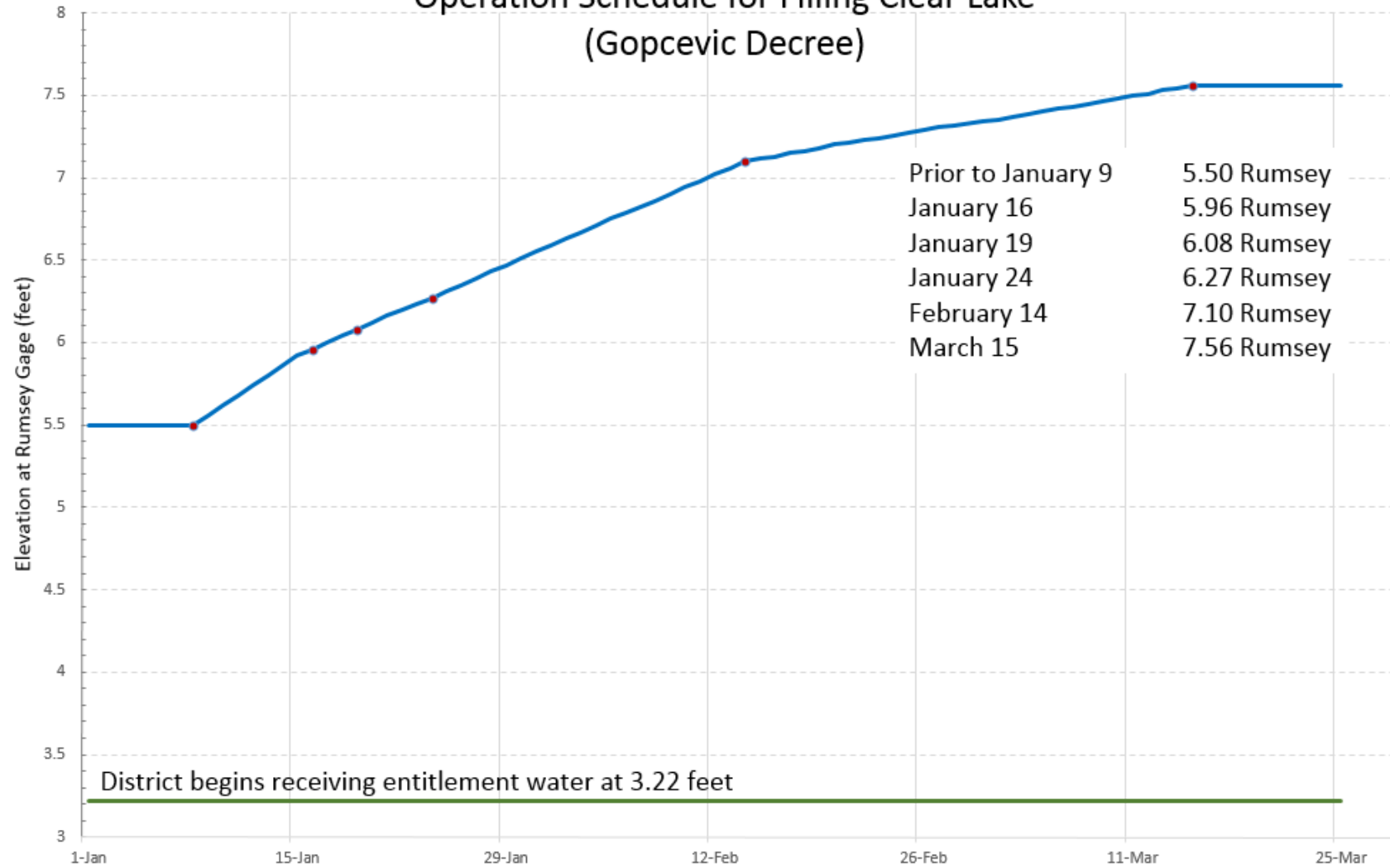


IMPORTANT Data may be [provisional](#)

Solano Decree

<u>Adjusted May 1 Lake Level, Rumsey</u>	<u>Lake Storage, acre-feet above Zero Rumsey</u>	<u>Allowable Seasonal Withdrawal, feet acre-feet</u>
3.22	130,000	0
3.5	141,770	7,847
4.0	162,390	21,593
4.5	183,135	35,423
5.0	204,030	49,353
5.5	225,105	63,403
6.0	246,350	83,350
6.5	267,785	104,785
7.0	289,400	126,400
7.54	313,000	150,000

Operation Schedule for Filling Clear Lake (Gopcevic Decree)



☐ 7 days ☐ 30 days ☒ 1 year

Scale

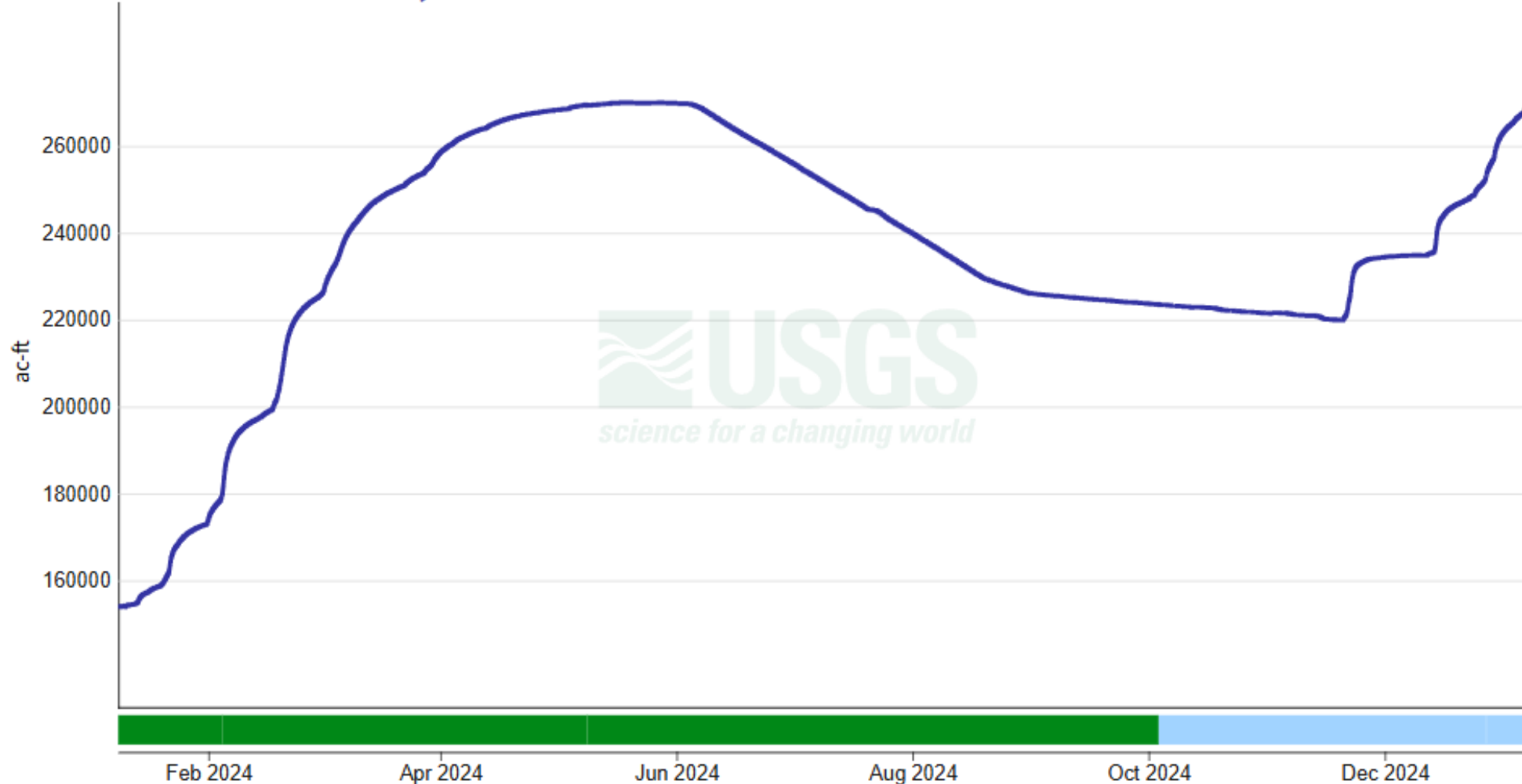
Indian Valley Res a Clearlake Oaks CA - 11451290

January 8, 2024 - January 7, 2025

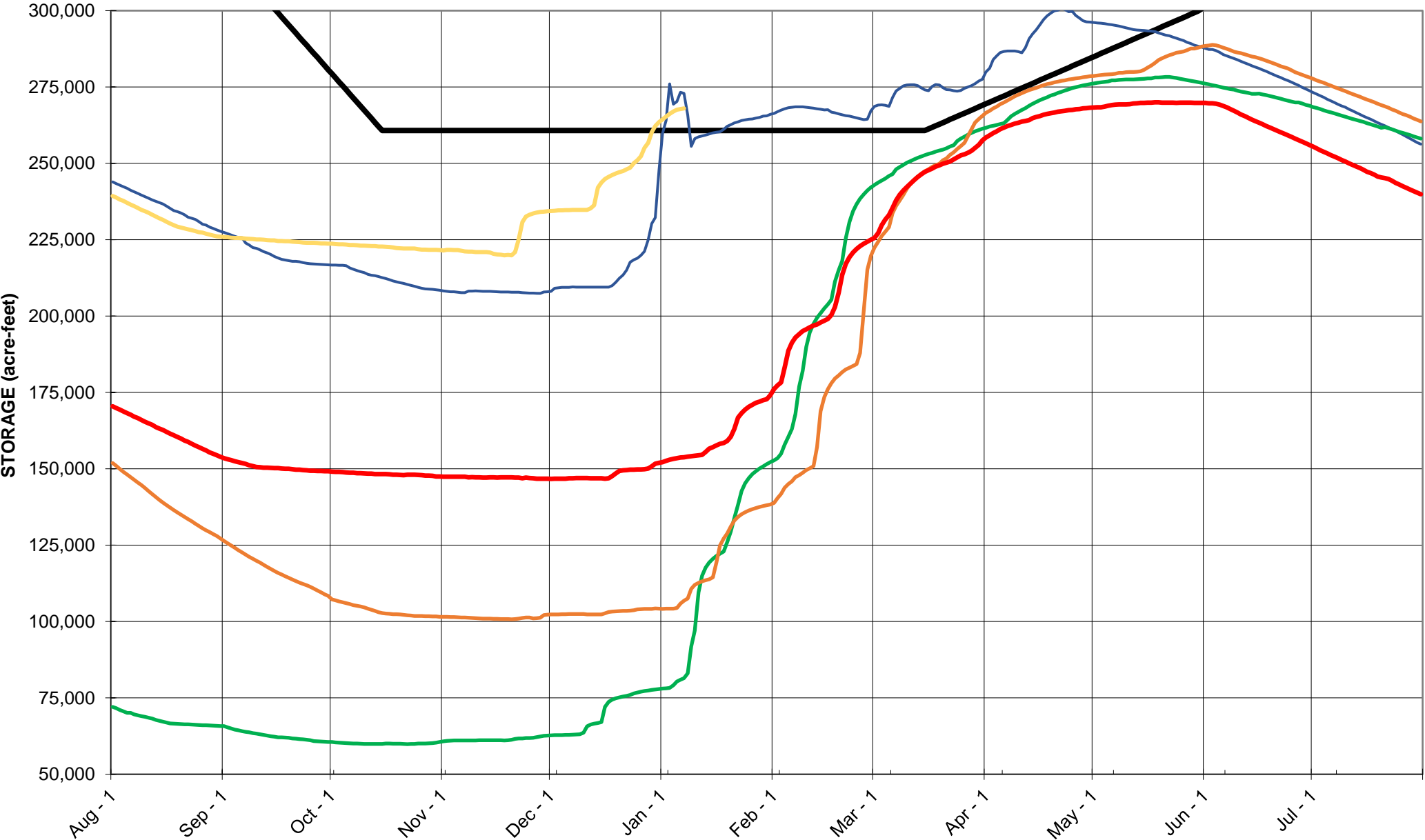
Reservoir storage, acre-feet

Currently releasing flood flows ~200 cfs

268000 ac-ft - Jan 07, 2025 04:00:00 PM PST



INDIAN VALLEY RESERVOIR
Storage & Flood Control Diagram



Storage and Flood Control Curve

2005-2006

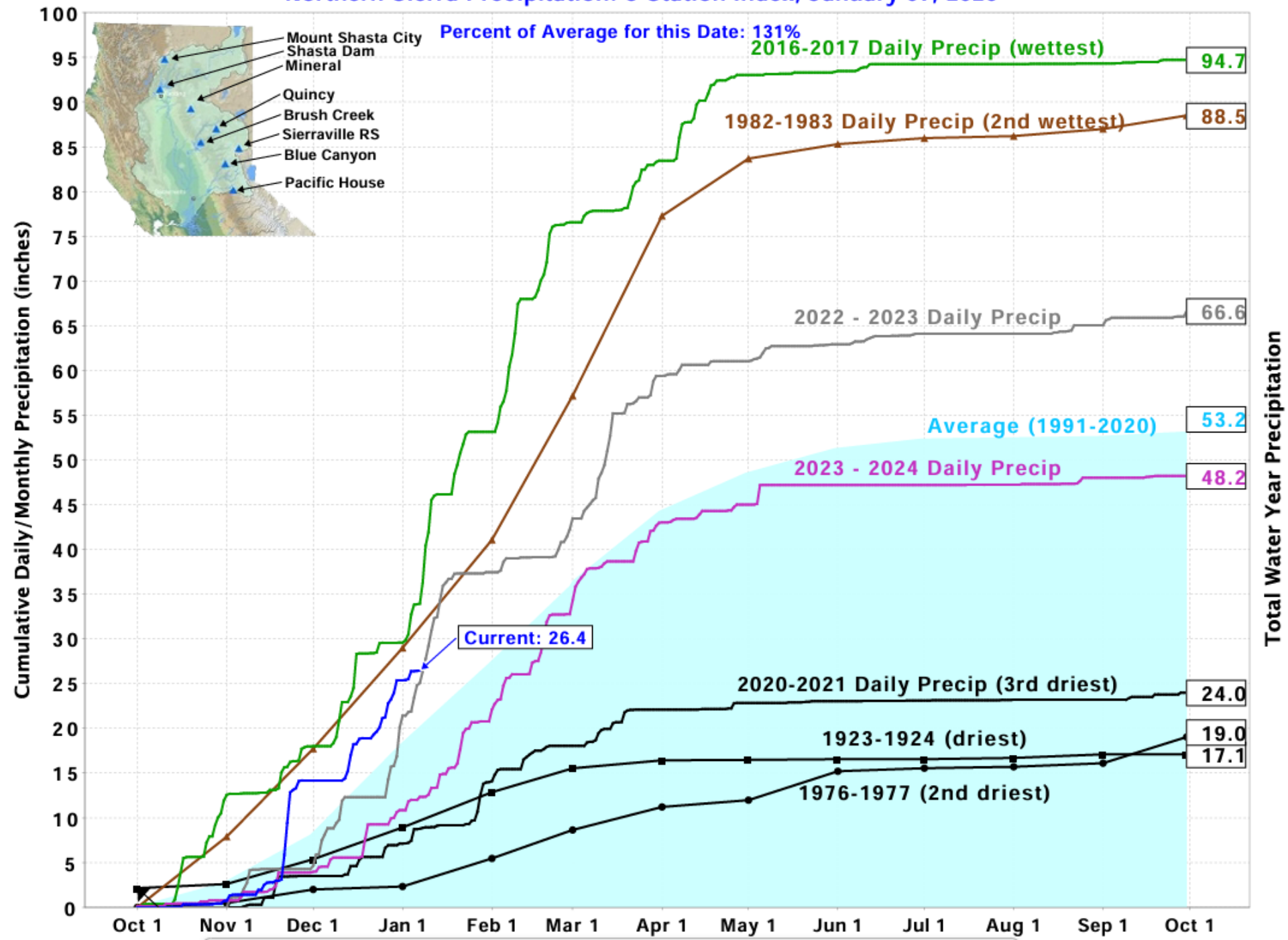
2016-2017

2018-2019

2023-2024

2024-2025

Northern Sierra Precipitation: 8-Station Index, January 07, 2025



Landslide near IVR – downstream channel
April 25, 2024



150 yards downstream of stilling basin



300 yards downstream of stilling basin

Landslide near IVR – downstream channel
May 30, 2024



150 yards downstream of stilling basin

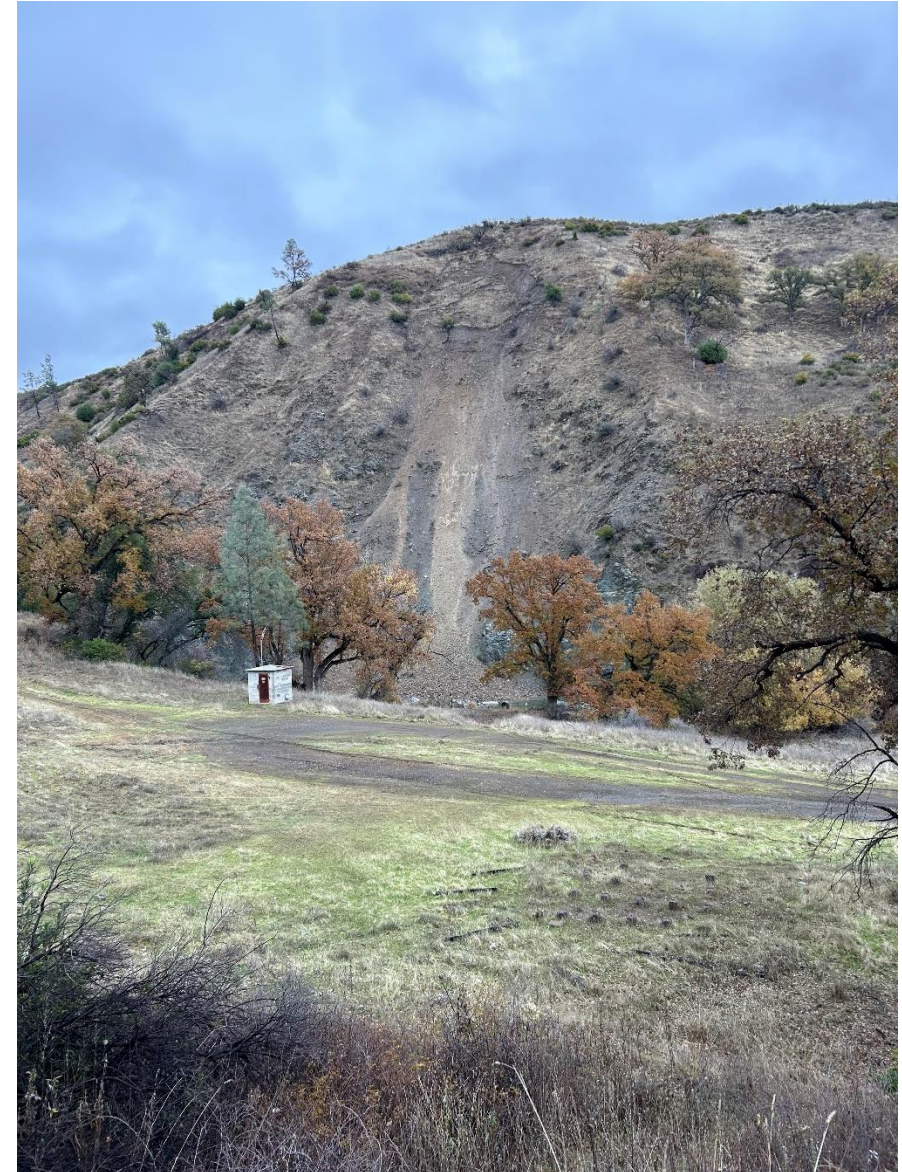


300 yards downstream of stilling basin

Landslide near IVR – downstream channel
November 25, 2024



~150 yards downstream of stilling basin



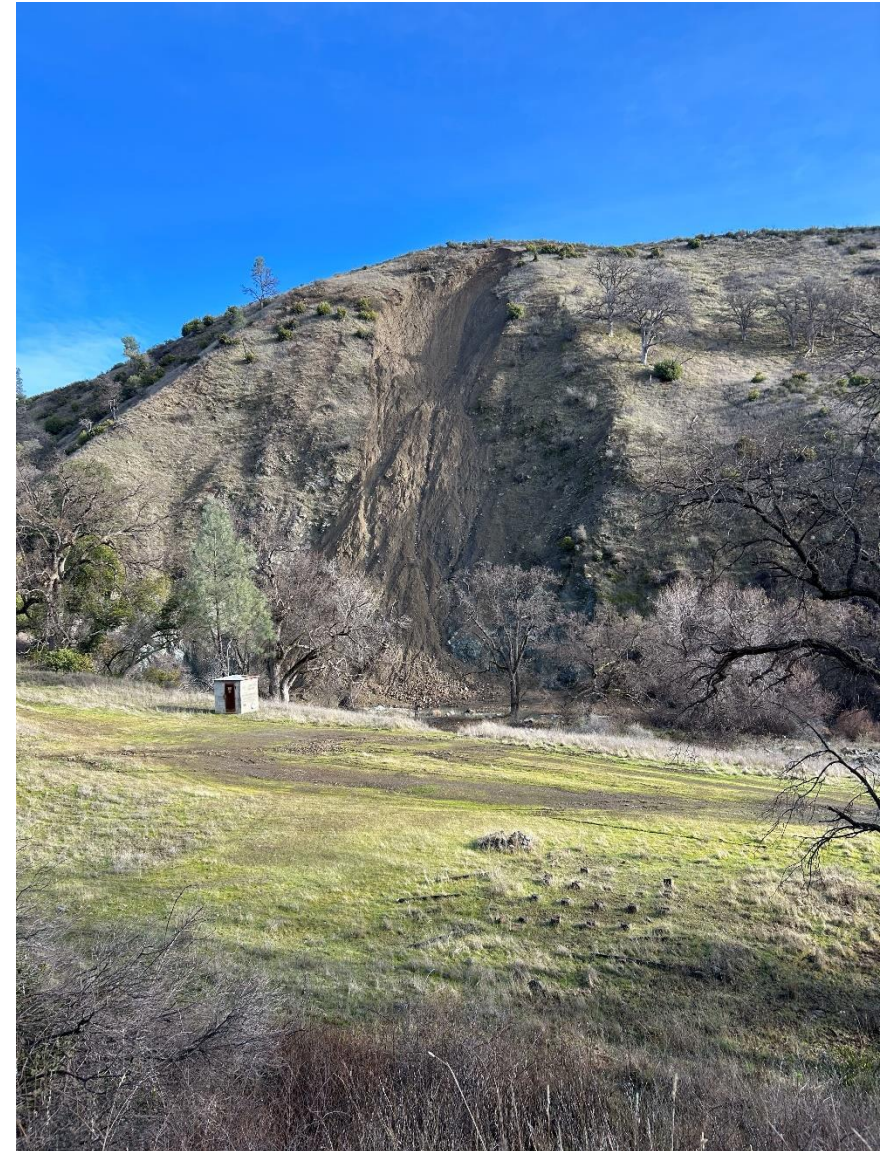
300 yards downstream of stilling basin

Landslide near IVR – downstream channel

January 4, 2025



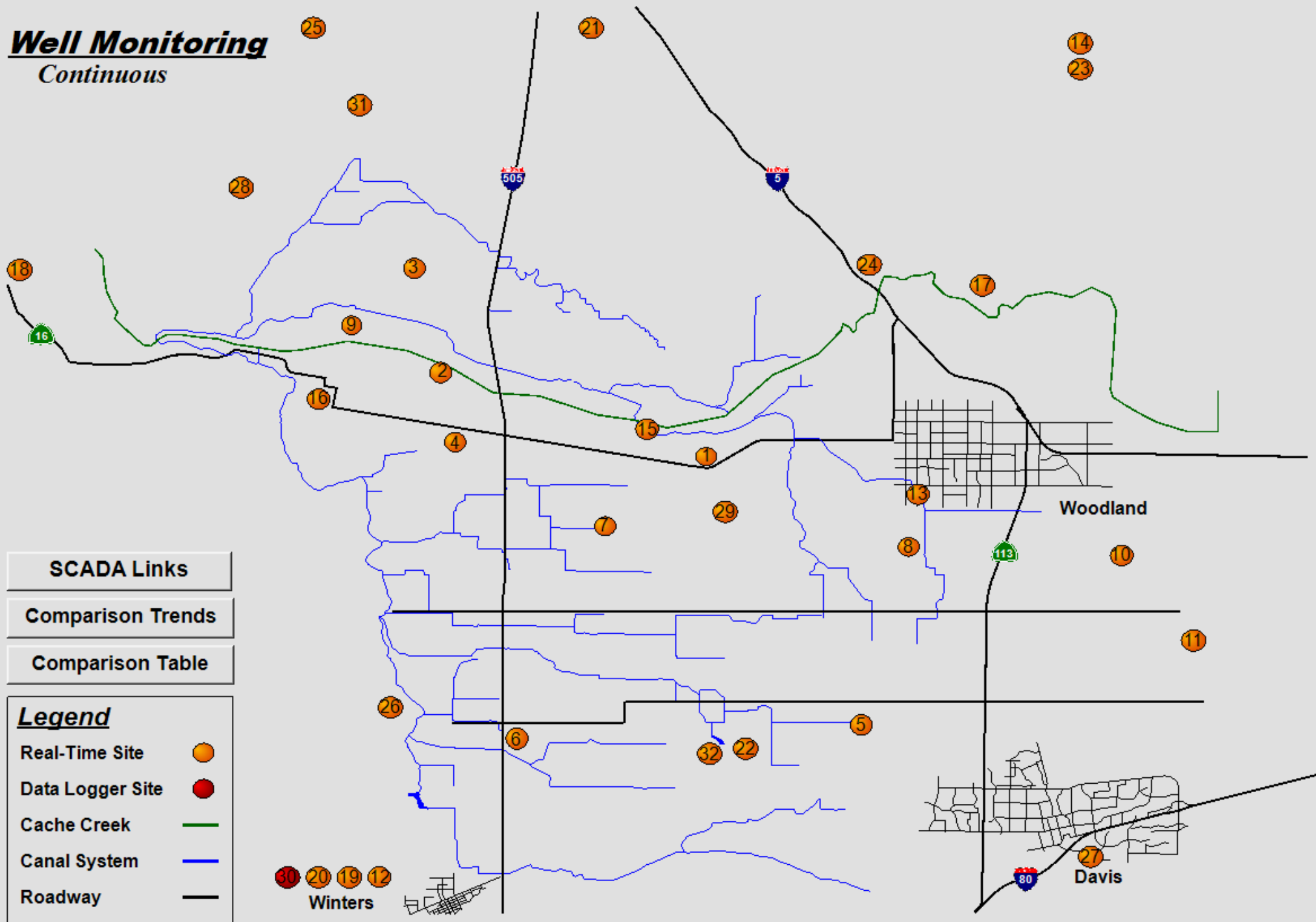
~150 yards downstream of stilling basin



300 yards downstream of stilling basin

Well Monitoring

Continuous



1. HQ Well Depth to Water



Depth to Water

1/7/24: 103.4 feet

12/7/23: 106.4 feet

Δ 3 feet

Depth to Water

1/7/25: 101.4 feet

12/7/24: 104.8 feet

Δ 3.4 feet

Proposed Bay-Delta Plan Amendments

SWRCB Bay-Delta Draft Staff Report and Draft WQCP



DRAFT

Staff Report/Substitute Environmental Document in Support of Potential Updates to the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary for the Sacramento River and its Tributaries, Delta Eastside Tributaries, and Delta

September 2023

State Water Resources Control Board

DRAFT

STAFF REPORT/SUBSTITUTE ENVIRONMENTAL DOCUMENT IN SUPPORT OF POTENTIAL UPDATES TO THE WATER QUALITY CONTROL PLAN FOR THE SAN FRANCISCO BAY/SACRAMENTO-SAN JOAQUIN DELTA ESTUARY FOR THE SACRAMENTO RIVER AND ITS TRIBUTARIES, DELTA EASTSIDE TRIBUTARIES, AND DELTA

PREPARED BY:

State Water Resources Control Board

September 2023



OCTOBER 2024 DRAFT

Water Quality Control Plan
for the
San Francisco Bay/Sacramento-San
Joaquin Delta Watershed



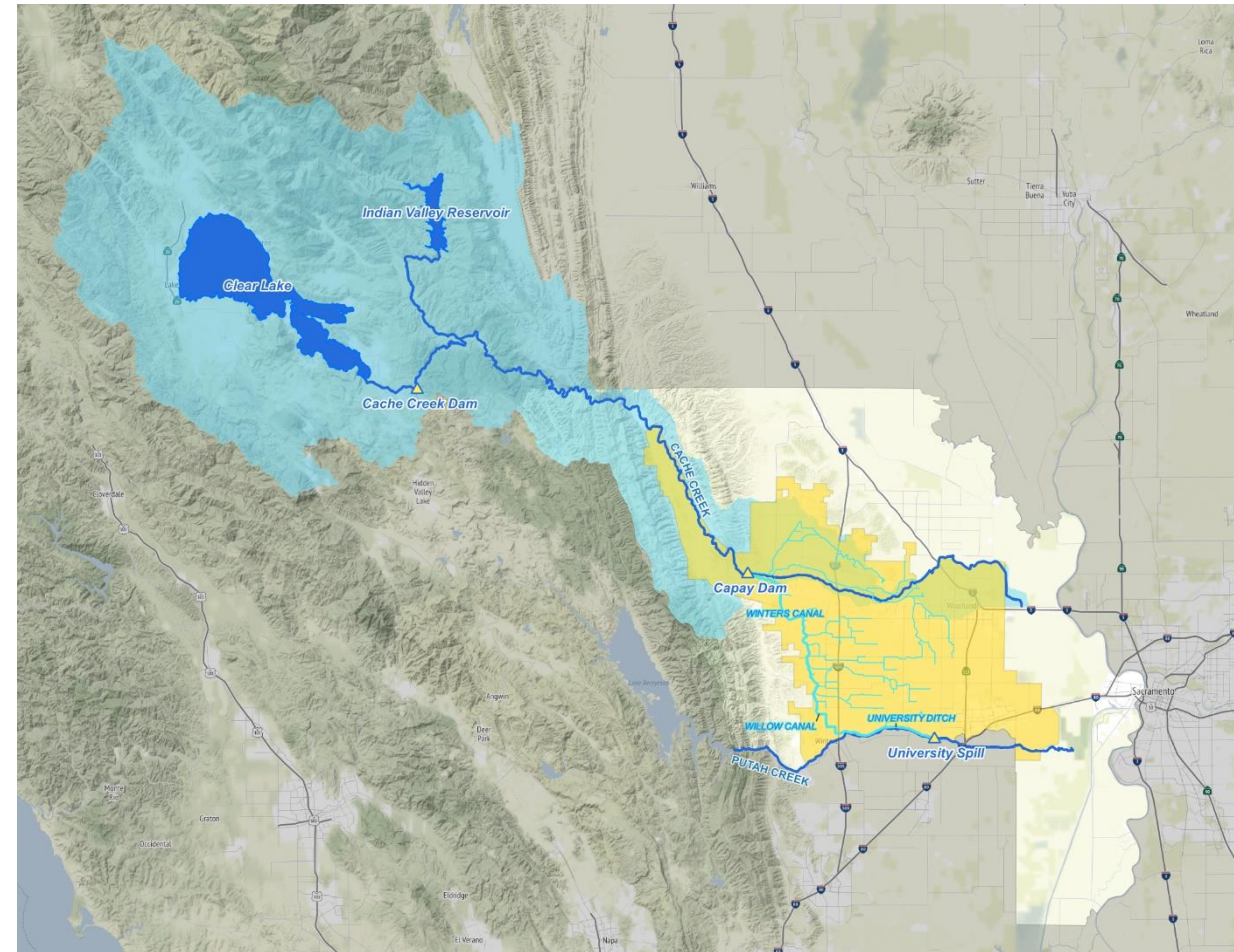
State Water Resources Control Board

SWRCB Bay-Delta Draft WQCP

- Cache Creek would be subject to Unimpaired Flow-based requirements
- Indian Valley Reservoir would be subject to the Cold-Water Habitat objective and submit a long-term temperature management plan
- If unimpaired flows adopted
 - SWRCB can curtail Cache Creek watershed to protect CVP/SWP temporary urgency change petitions for Delta conditions
 - Long-term winter recharge permit will be impacted by not allowing reductions of existing “baseflows”
- SWRCB Workshops:
 - 12/12: Voluntary Agreement Flow Accounting and General Comments (On-boarders’ Panel)
 - **1/10: Comments Due on Draft WQCP**
 - 1/23: Potential Provision to Protect Base Delta Outflows During Drought Periods AND Potential Provision to Protect Voluntary Agreement Flows and the Base

Healthy Rivers and Landscapes: *YCFC&WCD Multi-Benefit Concept Proposal*

- Up to 5,000 AF from Cache Creek watershed to Putah Creek Watershed
 - Direct diversion via excess winter flows
 - Banked groundwater extraction
 - Groundwater users switch to surface water
- Optimizes conjunctive use system
- Reduces impact to water customers
- Protects groundwater supplies
- Salmon recovery and habitat restoration





Necessary Components for Success

- Evaluate flow contribution schedule most beneficial to Putah Creek and aligned with State's VA objectives
- Obtain long-term winter water right
- Finance infrastructure improvements (based on design flow rate)

Preliminary Financial Report

Highlights as of December 31, 2024

Preliminary Budget Summary as of 12/31/2024

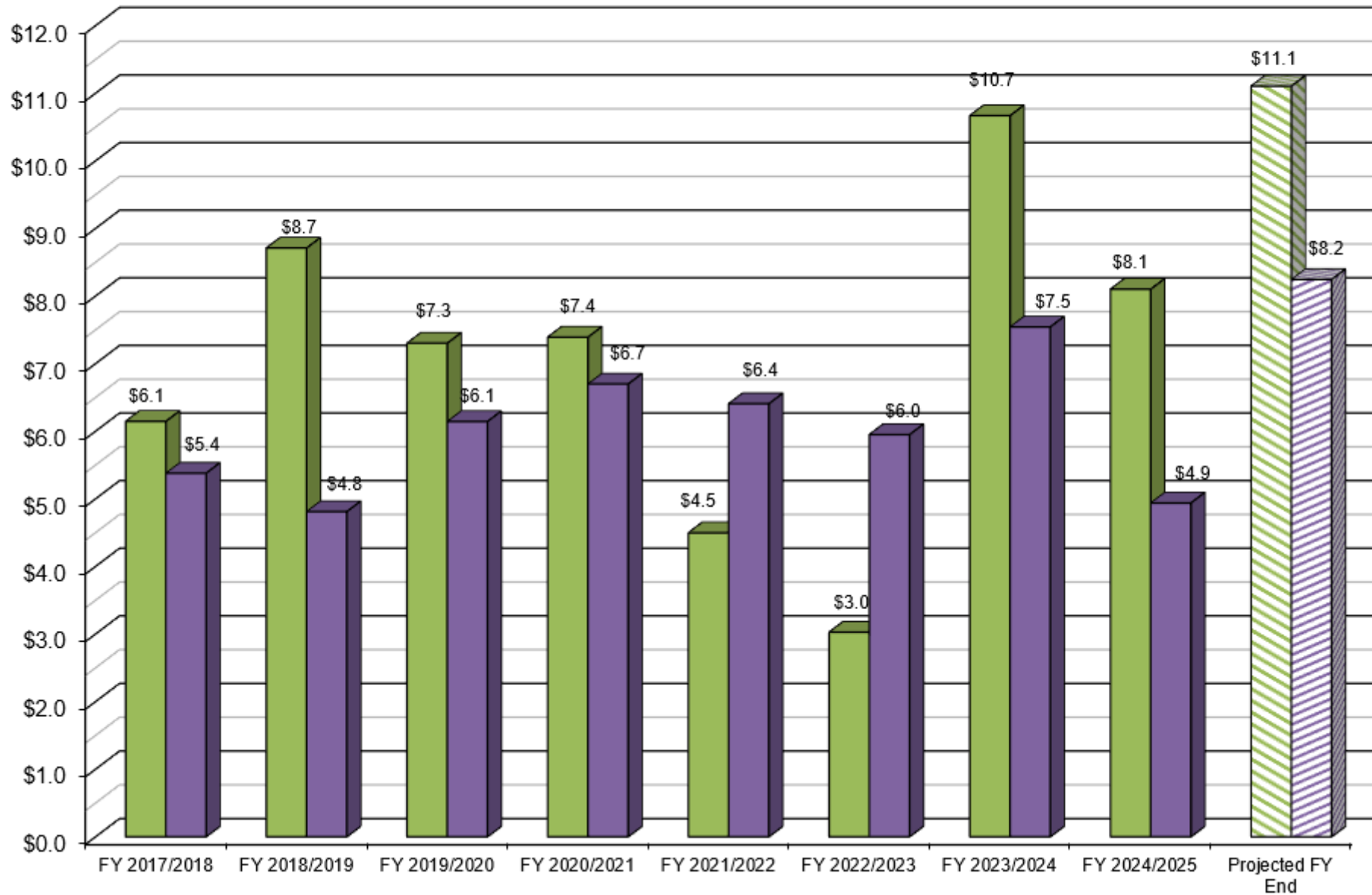
Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$ 6,532,824	\$ 6,104,280	\$ 428,544
Non-Agricultural (M&I) Water Sales	\$ 240,816	\$ 343,285	\$ (102,469)
Property Taxes *includes Special Property Tax Assessment	\$ 20,318	\$ 2,716,000	\$ (2,695,682)
IV Dam Hydro (less fees)	\$ 262,119	\$ 300,000	\$ (37,881)
Other Revenue	\$ 1,073,229	\$ 1,633,000	\$ (559,771)
<i>Shared Services Revenue</i>	\$ 154,730	\$ 350,000	\$ (195,270)
<i>YSGA Reimbursements</i>	\$ 181,791	\$ 400,000	\$ (218,209)
<i>Interest</i>	\$ 238,603	\$ 225,000	\$ 13,603
<i>Other (includes FEMA)</i>	\$ 498,105	\$ 658,000	\$ (159,895)
TOTAL REVENUE	\$ 8,129,306	\$ 11,096,565	\$ (2,967,259)

Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$ 1,045,894	\$ 1,366,885	\$ (320,991)
General Administration & General Plant	\$ 2,117,982	\$ 2,759,351	\$ (641,369)
Other Expenses	\$ 2,071,262	\$ 4,110,870	\$ (2,039,608)
TOTAL EXPENSES	\$ 5,235,138	\$ 8,237,106	\$ (3,001,968)

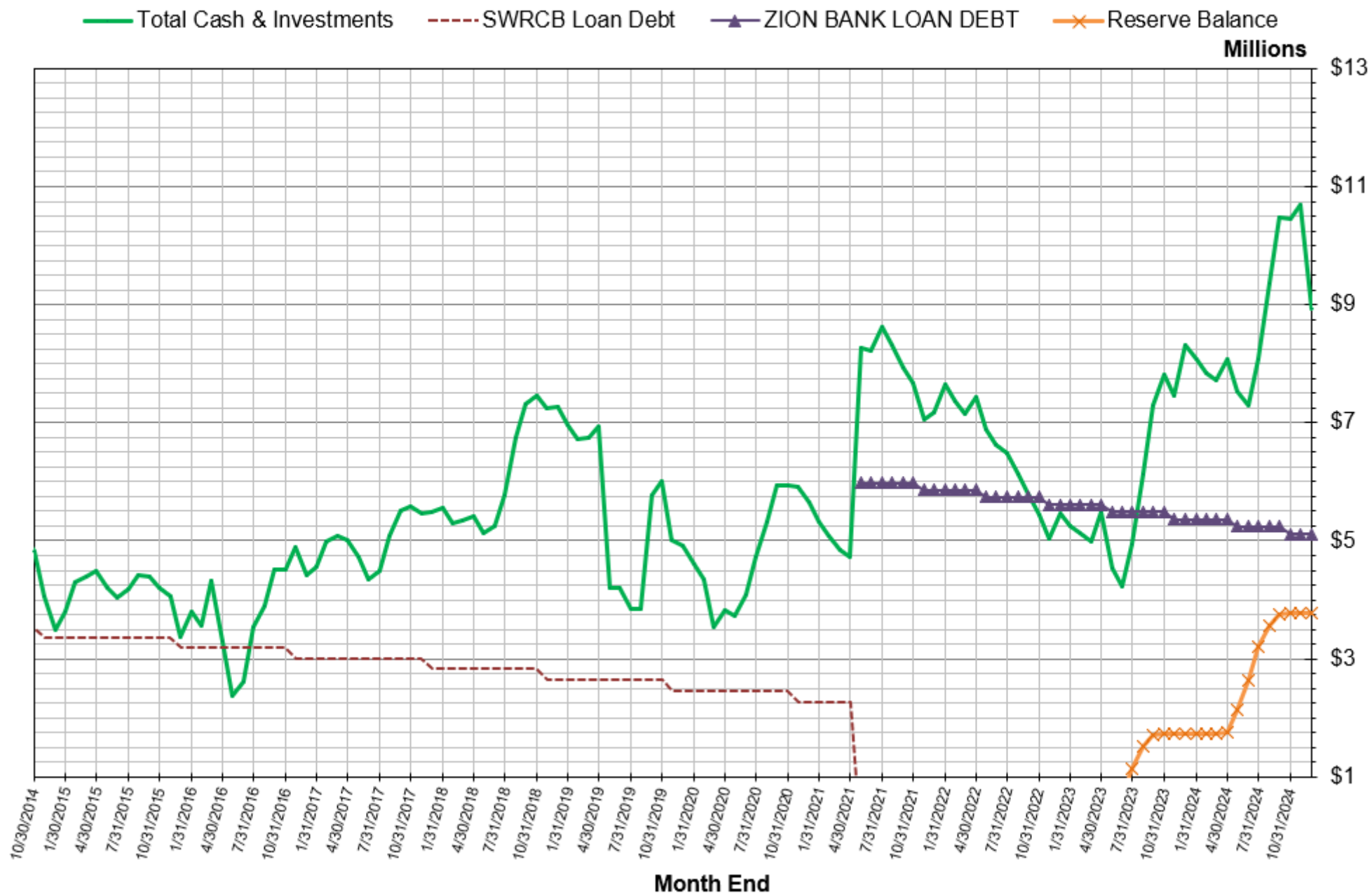
Comparison of Actual Revenue vs. Actual Expense

Original Budget
\$11.10 / \$8.24

Millions



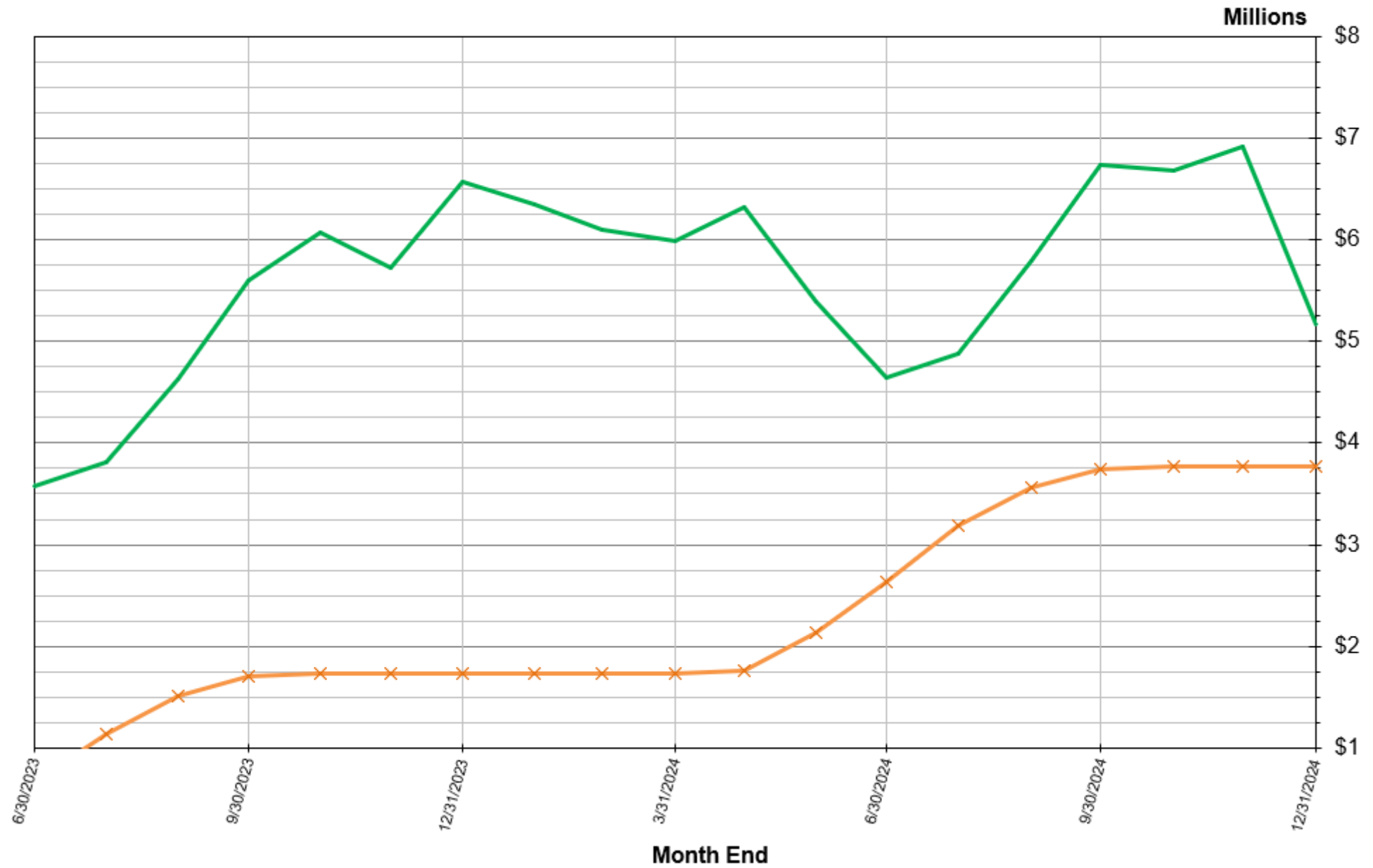
Cash History



Zion Bank Loan Debt: Rate Covenant Includes Reserves and Flexibility of Lockbox

Cash History

Available Cash Reserve Balance



Breakdown of Cash Accounts

12/31/2024

CASH and INVESTMENTS

12/31/2024

YOLO COUNTY FLOOD CONTROL & WCD

	Rate	Balance
CASH		
River City Bank Business Checking		79,735
River City Bank Public Fund Money Market Plus 1410	4.60%	1,099,106
River City Bank Public Fund Money Market - CIP - 4429	4.60%	2,805,465
River City Bank - Depository Agent Fund	4.60%	141,684
Yolo County Treasurer - Fund #7270		-
Petty Cash		350
TOTAL		\$ 4,126,340
TEMPORARY INVESTMENTS		
LAIF - YCFC Enterprise Fund	4.40%	443,409
LAIF - Drought Reserve Fund	4.40%	3,470,803
LAIF - Capital Recovery Fund	4.40%	313,324
LAIF - COVID Relief Funds	4.40%	586,490
TOTAL		\$ 4,814,027
TOTAL CASH AND INVESTMENTS		\$ 8,940,366

Capital Improvement Program

Fall/Winter 2024 Capital Projects

- ◇ Currently planning and prioritizing
- ◇ Tentative Plan
 - ◇ ESA 0168
 - ◇ ACA 0018
 - ◇ ACA 0084

 } Demo Checks
 } New Civil Installations
 } Automatic Gate Installations

- ◇ ESA 0152
- ◇ ACA 0122S Automatic Gate Installation
- ◇ Hungry Hollow Canal: Siphon to Goodnow Slough
- ◇ Hooper Canal Culvert
- ◇ Various culverts throughout the system

General Activities (December 11 – January 7)

PROJECTS:

- **Winterizing of Canal System / Storm Preparation**
- **Capital Projects – Automated Gate Installations and Trash Screens, Gate Upgrades, New Turnouts**
- **Indian Valley Reservoir – FERC Part 12D Compliance and Comprehensive Assessment**
- **Strategic Planning – Draft Goals and Objectives**
- **Voluntary Agreement Process**
- **Outreach with various agencies on District's Recharge Program**
- **Winters Canal Headworks Automated Trash Rack Pulley System**
- **YSGA – Well Permitting Review; Annual Report; Project Development; Outreach; GSP Implementation; Groundwater Monitoring Program Improvements; Grant Opportunities; Neighboring Subbasin Coordination; Grey Area Projects and Outreach**
- **Various Private Jobs**
- **2023 Storm Damage FEMA Reimbursement Process**
- **Drought Planning**
- **Creek Spraying for CCC and Chipper Program for Yolo RCD**
- **Vegetation Management (MERCOSA, NDM and Wild Wings CSAs, Madison and Knights Landing CSDs)**
- **Shared Services: SCWA, private jobs, spraying, etc.**
- **Encroachment Permits, Easement Research, Misc. Water Rights Investigations**

General Activities (December 11 – January 7)

OUTREACH:

1. YSGA: Hungry Hollow Groundwater Working Group Meeting (December 11)
2. State Water Board Bay-Delta Plan Workshop (December 12)
3. NCWA/DWR's Subsidence Forum (December 12)
4. TNC's Webinar on GDEs in the Sacramento Valley (December 12)
5. ACWA SGMA Implementation Subcommittee (December 12)
6. YSGA: Executive Committee Meeting (December 13)
7. SusCon Recharge Meeting (December 16)
8. District's Farmers' Council Meeting (December 18)
9. YSGA: Yolo-Zamora Landowner Meeting (December 18)
10. District Strategic Plan Committee Meeting (December 19)
11. District/Cache Creek Conservancy Coordination Meeting (December 23)
12. YSGA: Knights Landing CSA Groundwater Quality Projects Meetings (December 23)
13. Bay-Delta Plan Proposed New Projects Coordination Meeting (January 7)

Upcoming Meetings & Events

1. Meeting with Sierra Club: Yolano (January 8)
2. Westside-Sacramento IRWM CC Meeting (January 8)
3. ACWA SGMA Implementation Committee Meeting (January 9)
4. ACWA Region 4 Board Meeting (January 10)
5. YSGA: Board of Directors Meeting (January 13)
6. Yolo County Farm Bureau's Agriculturalist of the Year (January 16)
7. ACWA State Legislative Committee Meeting (January 17)
8. Yolo County Farm Bureau's Irrigated Lands Program (January 21, 22, and 29)
9. Solano Water Advisory Committee (January 22)
10. California Irrigation Institute's 2025 Conference (January 27-28)
11. NCWA's Bay-Delta Task Force Meeting (February 3)

Agenda Item #8

General Discussion

Opportunity for Board Members to ask questions for clarification, provide information to staff, request staff to report back on a matter, or direct staff to place a matter on a subsequent agenda.

Agenda Item #9

Payment of Bills

Consider the approval and payment of the bills
(Checks #64273-64288)

Check Number	Check Amount	Vendor Name		Check Date	
		Invoice Number	Invoice Date	Description	Invoice Amount
0000064273	\$54,417.67	ACWA / JPIA EMPLOYEE BENEFITS		1/7/25	
		0704987 FEB 2025	1/2/25	MONTHLY MEDICAL, VISION, LIFE, EAP	54,417.67
0000064274	\$7,740.18	BRIGGS MANUFACTURING		1/7/25	
		2024892	12/2/24	PO7126 FLASHBD RISER, 24" BELL & GSKT	2,556.52
		2024906	12/10/24	PO7126 BOX CULVERTS, TWIN TRACK, BELL & G	5,183.66
0000064275	\$7,986.21	CACHE CREEK CASION RESORT		1/7/25	
		BEO3354	12/17/24	2024 EMP CHRISTMAS PARTY	7,986.21
0000064276	\$11,829.56	US DEPT OF INTERIOR - BLM		1/7/25	
		2025014228	1/2/25	CACA105946186 ROW IV TRANSMISSION LINE	11,829.56
0000064277	\$5,009.66	DOBBS PETERBILT		1/7/25	
		080R19895	12/20/25	PO7099 V5318 REPAIR MIRROR, DASH, WINDOW	5,009.66
0000064278	\$6,525.00	GASS, MATHEW		1/7/25	
		20241103	11/3/24	IV 60" HOLLOW JET VALVE RENOVATION	6,525.00
0000064279	\$45,129.00	GEI CONSULTANTS, INC.		1/7/25	
		003167771	12/19/24	PROJ.2304186 IV DAM FERC PART 12D CA	45,129.00
0000064280	\$3,337.86	HOLT OF CALIFORNIA, A CORP		1/7/25	
		V7855201	12/9/24	PO7127 14YD DUMP TRUCK RENTAL	3,337.86
0000064281	\$5,969.20	INTEGRAL NETWORKS, INC.		1/7/25	
		32878	1/1/25	PO6952 AGREEMENT INTEGRAL COMPLETE MANGD	5,969.20
0000064282	\$8,685.50	INTERSTATE OIL COMPANY		1/7/25	
		P702467-IN	12/13/24	PO6979 193.4GAL PROPANE	442.82
		T64939-IN	12/9/24	PO6980 1490GAL GAS, 1100GAL DIESEL	9,698.59
		T652450-IN	12/10/24	PO6980 PUMPED OUT RED DIESEL, DELIVERED	-1,455.91
0000064283	\$3,148.18	LAUGENOUR AND MEIKLE, INC.		1/7/25	
		25413	12/24/24	PO7098 IVR SETTLEMENT POINTS	3,148.18
0000064284	\$6,577.75	MBK ENGINEERS		1/7/25	
		16017	12/24/24	5325.0 WATER RIGHT ASSISTANCE	922.50
		16018	12/24/24	5325.1 GW RECHARGE WAA	Reimbursable 5,655.25

Check Number	Check Amount	Vendor Name	Check Date		
		Invoice Number	Invoice Date	Description	Invoice Amount
0000064285	\$2,819.93	STANDARD INSURANCE COMPANY	1/7/25		
		649299 JAN 2025	1/1/25	MONTHLY DISABILITY INSURANCE	2,819.93
0000064286	\$3,365.00	ALSCO-GEYER IRRIGATION, INC	1/7/25		
		3380288	12/18/24	PO7117 WELDER LABOR WITH BOOM TRUCK	3,365.00
0000064287	\$4,500.00	CENTRAL VALLEY SOFTWARE SOLUTIONS, LLC	1/7/25		
		746	1/6/25	PO6317 STORM ANNUAL SUPPORT & WATER UI	4,500.00
0000064288	\$3,213.00	PIONEER MACHINERY, INC.	1/7/25		
		1-519380-3	1/7/25	PO7131 CAT EXCAVATOR 325F LCR RENTAL	3,213.00
	\$ 180,253.70				\$ 180,253.70

Agenda Item #10

Closed Session: Long-Term Water Supply Agreements

Conference with real property negotiators pursuant to Government Code 54956.8

Property: Long-Term Water Supply Agreements under District's Clear Lake Water Right

Agency negotiators: Tom Barth, Shane Tucker, Kristin Sicke

Negotiating parties: Lake County Sanitation District, Calpine, and NCPA

Under negotiation: Price and terms of agreement

Agenda Item #11

Closed Session: Bay-Delta

Conference with legal counsel for existing administrative proceeding and anticipated litigation/significant exposure to litigation pursuant to Government Code 54956.9, subsections (d)(1) and (d)(2) – State Water Resources Control Board Bay/Delta Plan update proceeding.

Closed Session Report

Agenda Item #12
Adjourn