

YCFC&WCD BOARD OF DIRECTORS

February 6, 2024



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

Agenda Item #1

Adoption of the
January 2, 2024 Regular Board
Meeting Minutes

Agenda Item #2

Open Forum

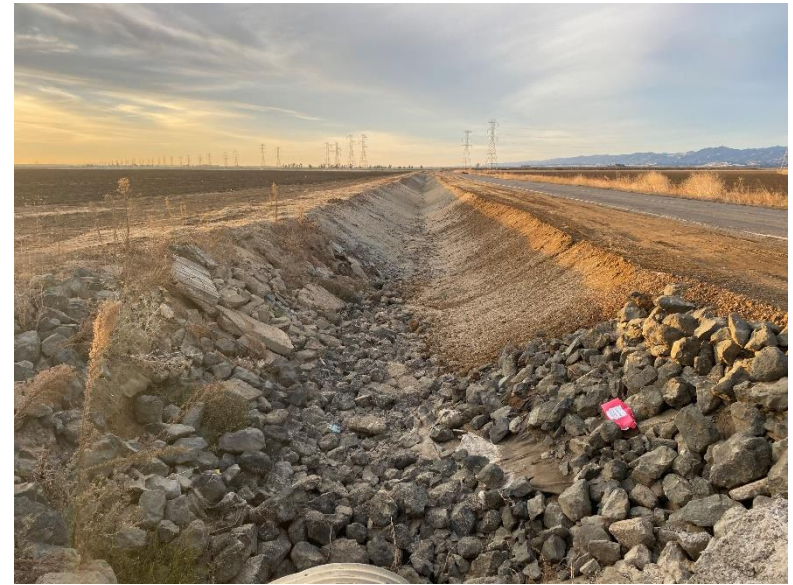
Guest introductions, unscheduled appearances and opportunity for public comment on non-agenda items

Agenda Item #3

Adding Items to the Posted Agenda

Agenda Item #4

January 2023 Storm Events
Emergency Canal Repairs



Agenda Item #5

Lake County's Southeast Geysers Effluent Pipeline Project

The Geysers Geothermal Facility Road Map



<https://www.youtube.com/watch?v=umo9QsgQw00>



Agenda Item #6

District Representatives to
Committees and Various Groups

**YCFC&WCD BOARD OF DIRECTORS
2024 COMMITTEE ASSIGNMENTS**

Standing Committees

Finance	Vink and Tucker
Infrastructure	Barth and Kimball
Clear Lake	Tucker and Vink
Yolo County 2x2	Vink and Kimball
Groundwater	Barth and Tucker

Ad Hoc Committees

Clear Lake Water User Agreements	Barth and Tucker
Voluntary Agreement	Vink and Mayer
Strategic Plan	Kimball and Mayer

Association Assignments

NCWA Director/Alternate	Mayer/Vink
ACWA/JPIA Director/Alternate	Barth/Sicke
YSGA Director/Alternate	Barth/Tucker

Vink Kimball Barth Mayer Tucker

Standing Committees

Finance	Infrastructure	Infrastructure	Personnel	Finance
Clear Lake	Personnel	Groundwater		Clear Lake
Yolo 2X2	Yolo 2x2			Groundwater

Ad Hoc Committees

VAs	SP	CLUAs	VAs SP	CLUAs
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Association Assignments

NCWA (A)		YSGA ACWA/JPIA	NCWA	YSGA (A)
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Agenda Item #7

Authorization to Purchase Aqua
Systems 2000 Escalator Trash Rack







Agenda Item #8

YSGA Update

YSGA Update

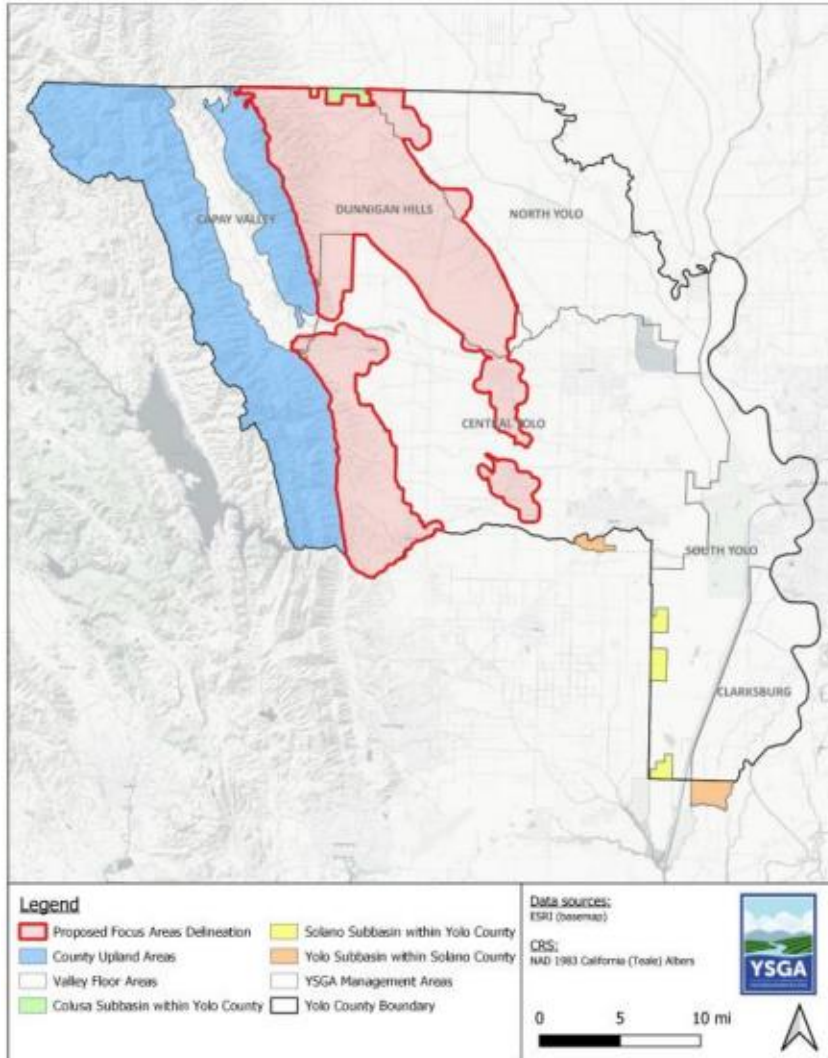


Figure 1. Proposed Delineated Focus Areas Relative to County Defined Valley Floor and Upland Areas.

- Well Permit Review Procedures reviewed at November 20 and January 22 Board meeting
- Requested staff reconsider Hydrogeology Report requirement sequencing to potentially offer a two-stage process
 - Provide economies of scale (lower applicant expense)
 - Incorporate practical considerations (high-impact versus low-impact wells)
- YSGA DCPC meeting in late February 2024
- YSGA BOD meeting March 18, 2024
- Public comment process after March 18
- Yolo County BOS meeting April 9, 2024

SGMA Implementation Grant

- 1) YSGA GSP Implementation
 - i. GSP Update: Updated water budgets with recent land use and climate data and forecast scenarios
 - ii. GPS Subsidence Survey
 - iii. Fee Study
 - iv. Hungry Hollow Area White Paper

- 2) YCFC&WCD Winter Water Recharge Program
 - i. Install four automatic gates on Hungry Hollow Canal checks
 - ii. Long-Term Permit Application Process (includes environmental documentation)
 - iii. Farm-field recharge pilot

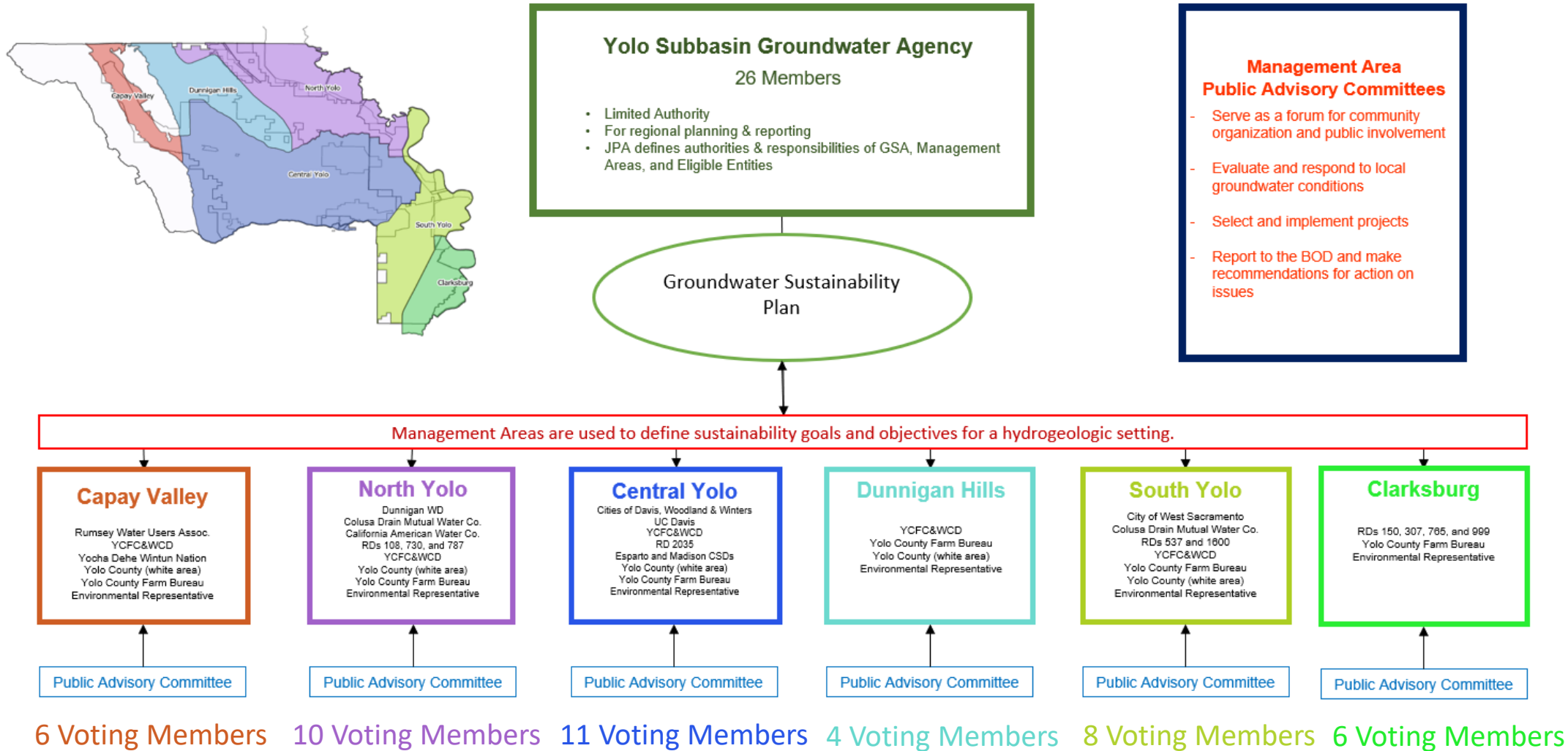
- 3) City of Winters Feasibility Studies
 - i. Alternative Surface Water Supply
 - ii. Recycled Water Supply

- 4) Yolo-Zamora Recharge Project
 - i. Pilot Trickle Flow
 - ii. Install 3 new culverts, 3 new check structures, 5 new automated gates, and flow measurement equipment in ESA and ACA
 - iii. Feasibility Analysis for Long-Term Recharge

- 5) Dunnigan Area Recharge Program
 - i. Install Stream Gauges
 - ii. Implement Trickle Flow and Farm Field Recharge (Winter Shorebird Habitat)
 - iii. Basis of Design and Recharge Operations Manual for Long-Term Implementation

Initial Committee Membership Proposal: one voting seat per YSGA Member within boundary of, and impacting, specific MA

Draft – For internal discussion purposes only
June 17, 2022



Agenda Item #9

Directors' Reports

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

- i. NCWA Meetings
- ii. Clear Lake Water Committee Meeting (1/18)
- iii. YSGA Board of Directors Meeting (01/22)
- iv. Infrastructure Committee Meeting (1/25)
- v. Personnel Committee Meeting (1/26)

Agenda Item #10

Attorney's Reports

Report on Legal Matters of Concern to the District

Agenda Item #11

General Manager's Report

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

Current Water Conditions (02-06-24)

	<u>Elevation</u>	<u>Available</u>	<u>2023</u>
Clear Lake			
• February 6	7.30'	139,450 AF	4.55' (36,812 AF)
• January 6	3.25'	884 AF	
• Total Difference	0.96'	129,858 AF	
Indian Valley Reservoir			
• February 6	1,454.59'	190,500 AF	1,430.12' (119,200 AF)
• January 6	1,442.83'	153,800 AF	
• Total Difference	10.71'	33,300 AF	

Facility	Precipitation (10/1/23 – 2/6/24)
Cache Creek Dam	18.05"
Indian Valley Reservoir	19.57"
Headquarters	13.58"

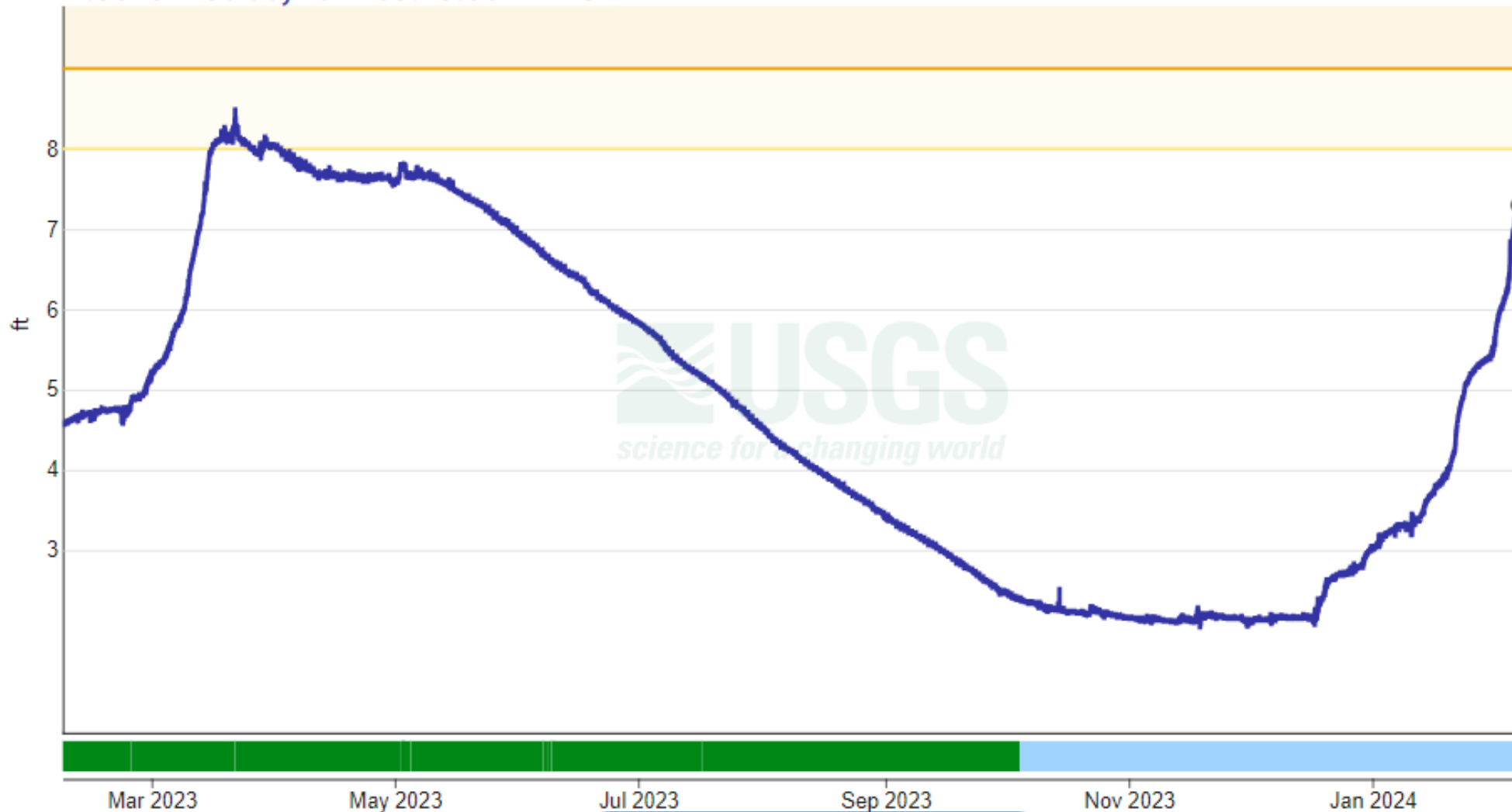
7 days 30 days 1 year

Clear LK a Lakeport CA - 11450000

February 6, 2023 - February 6, 2024

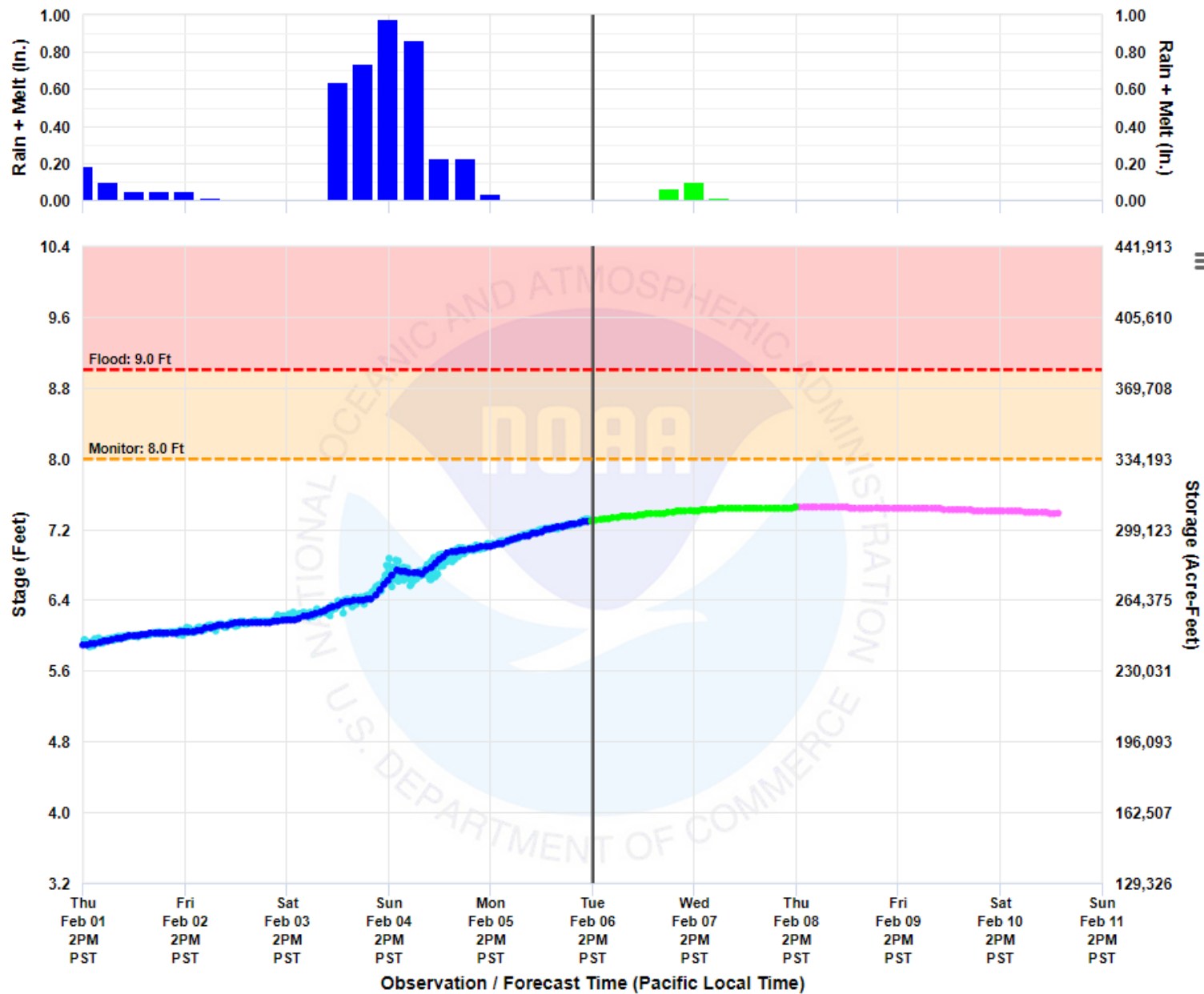
Gage height, feet

7.30 ft - Feb 06, 2024 05:15:00 PM PST



Clear Lake - Lakeport (CLKC1) Reservoir Forecast Plot

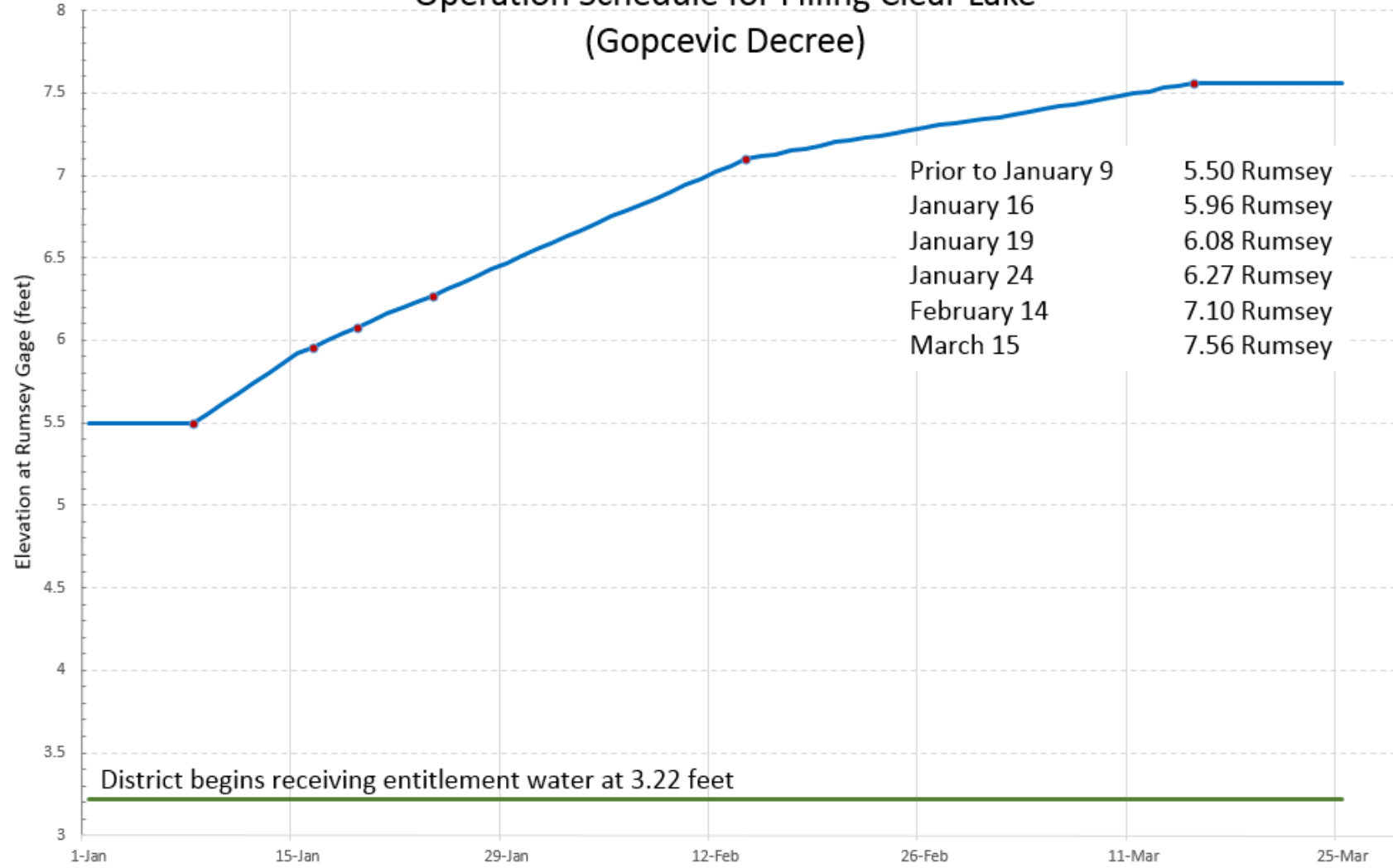
Forecast Posted: 02/06/2024 at 1:35 PM PST • Graphic Created: 02/06/2024 at 2:02 PM PST



NOAA / NWS / California Nevada River Forecast Center • California Department of Water Resources

Observed (Raw Gauge)
 Observed (Simulated)
 Forecast
 Guidance

Operation Schedule for Filling Clear Lake (Gopcevic Decree)



Current Water Conditions (02-06-24)

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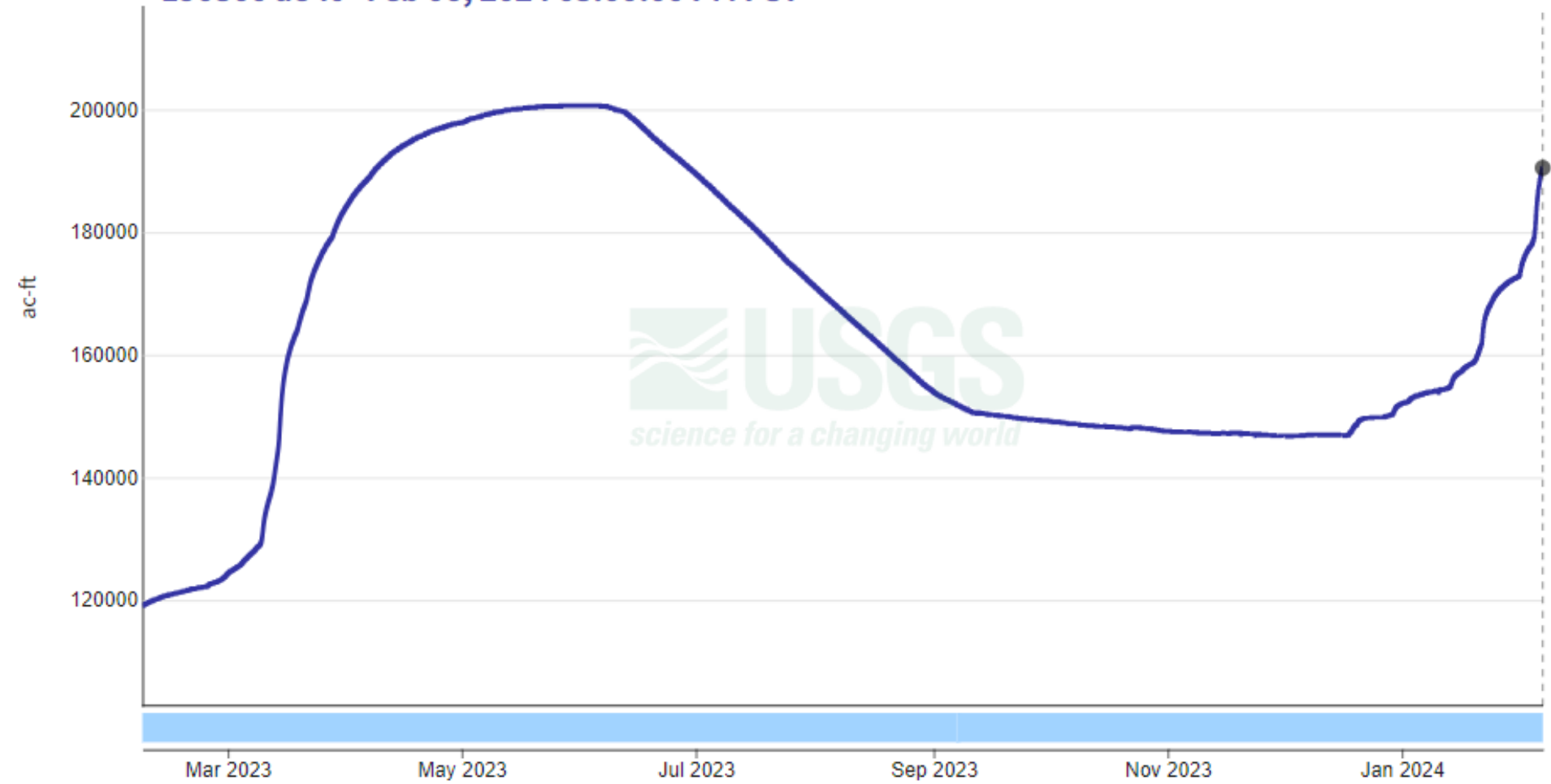
7 days 30 days 1 year

Indian Valley Res a Clearlake Oaks CA - 11451290

February 6, 2023 - February 6, 2024

Reservoir storage, acre-feet

190500 ac-ft - Feb 06, 2024 05:00:00 PM PST

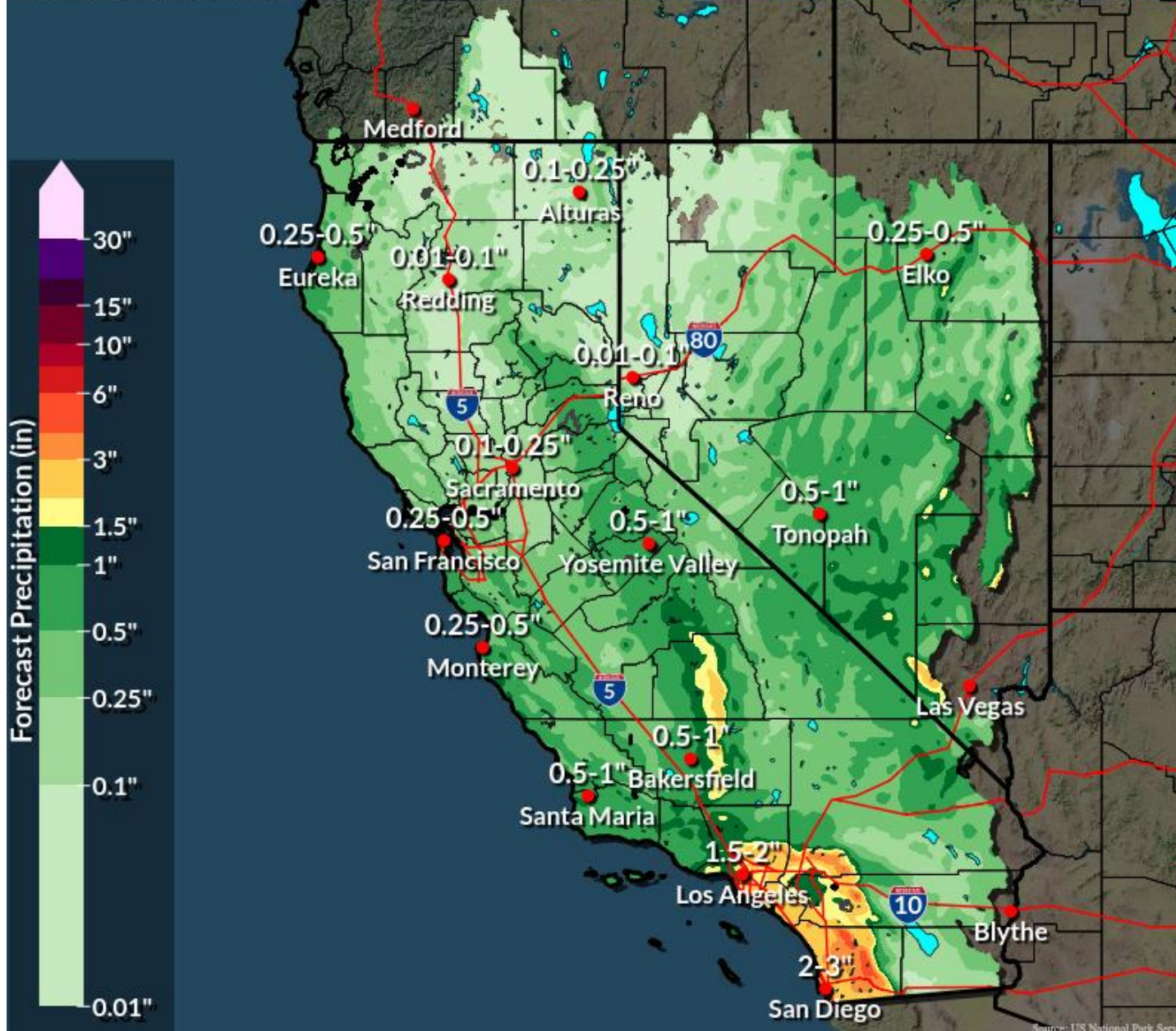


6-Day Forecast Precipitation

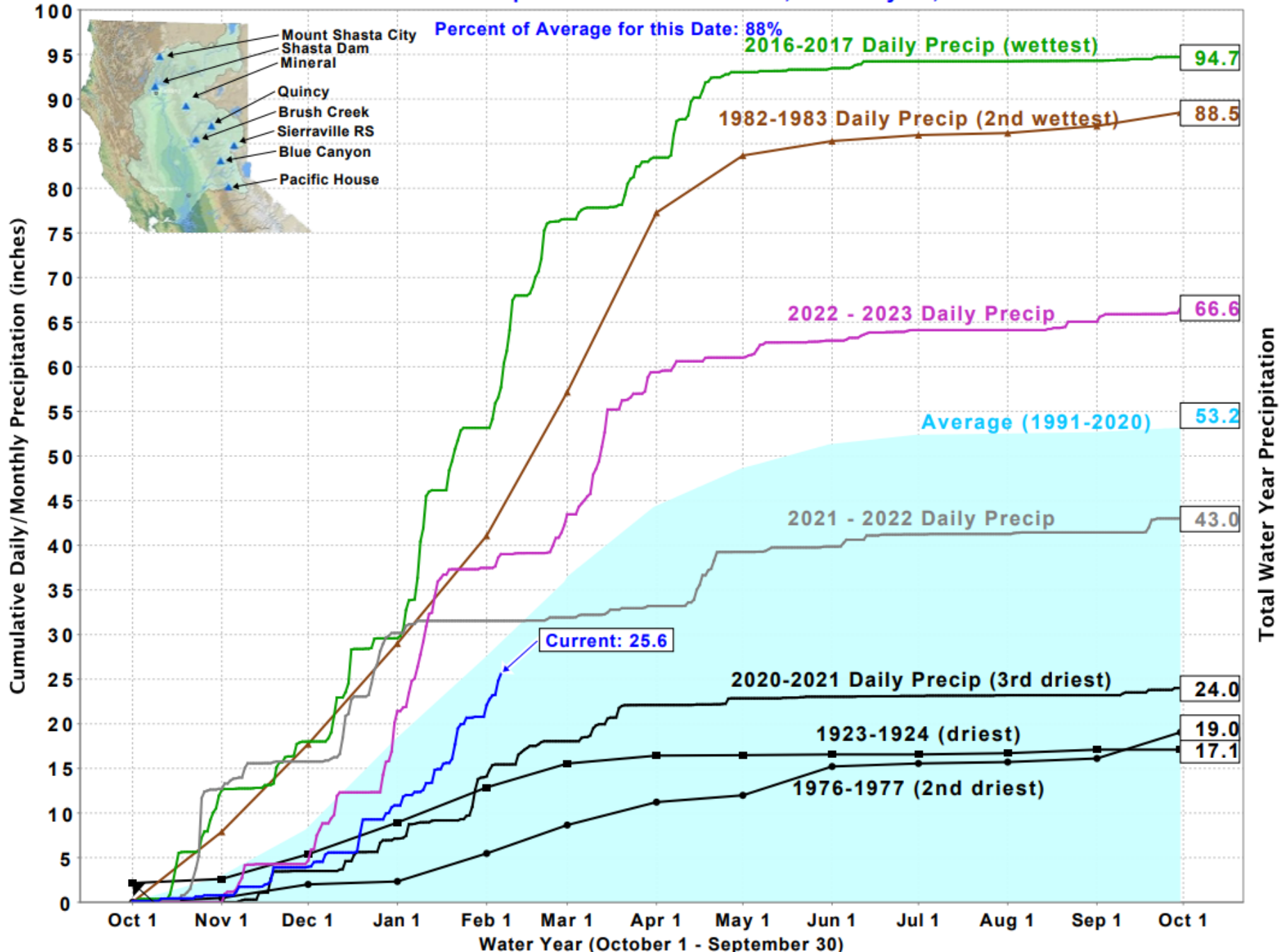
River Forecast Center
Sacramento, CA



Tue Feb 6, 2024 4 AM PST to Mon Feb 12, 2024 4 AM PST Issued Feb 06, 2024 12:34 PM PST



Northern Sierra Precipitation: 8-Station Index, February 06, 2024



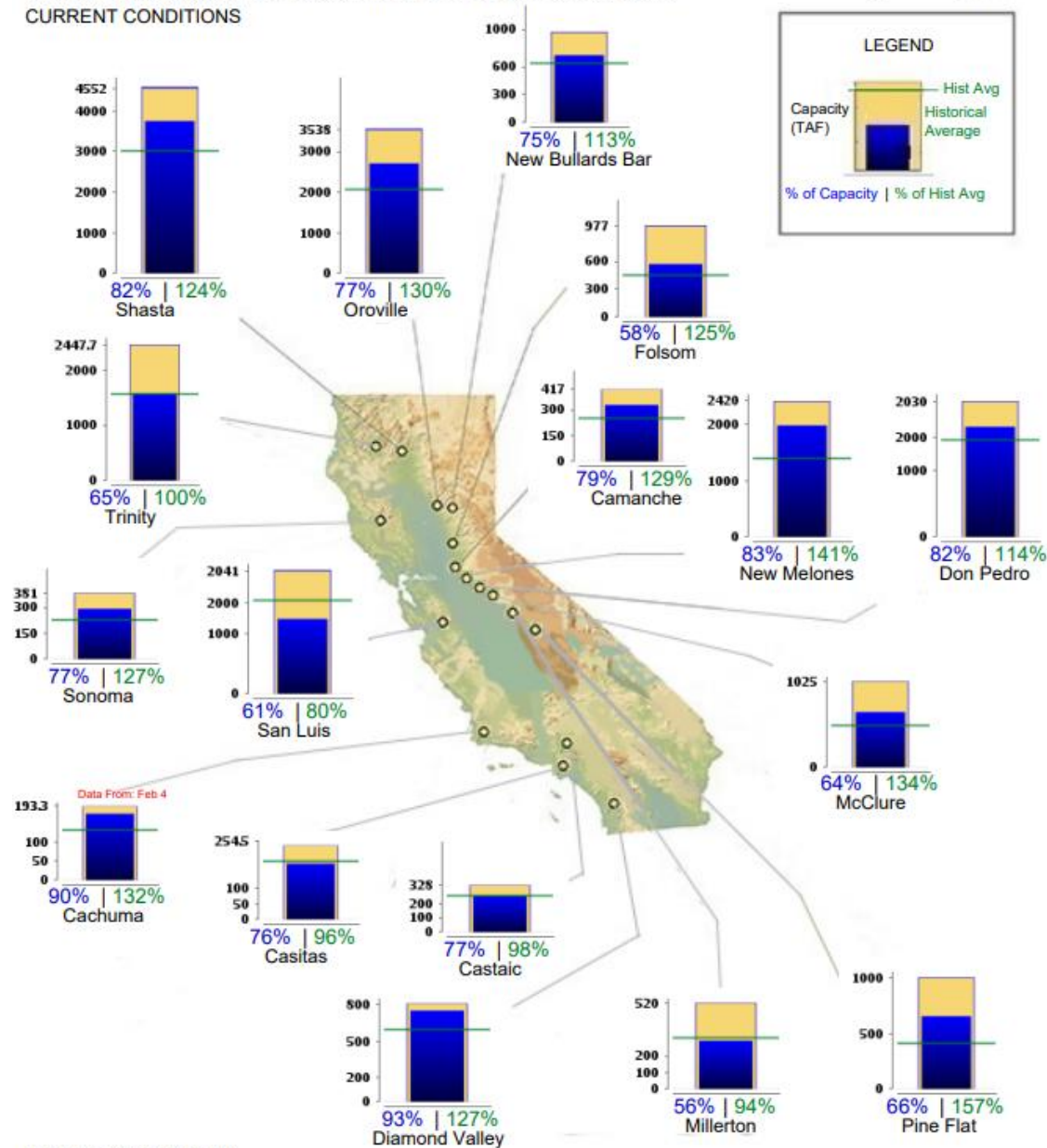


CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - February 5, 2024

CURRENT CONDITIONS





1/30/24 Snow Survey

Snow depth = 29"

Snow water equivalent = 10"

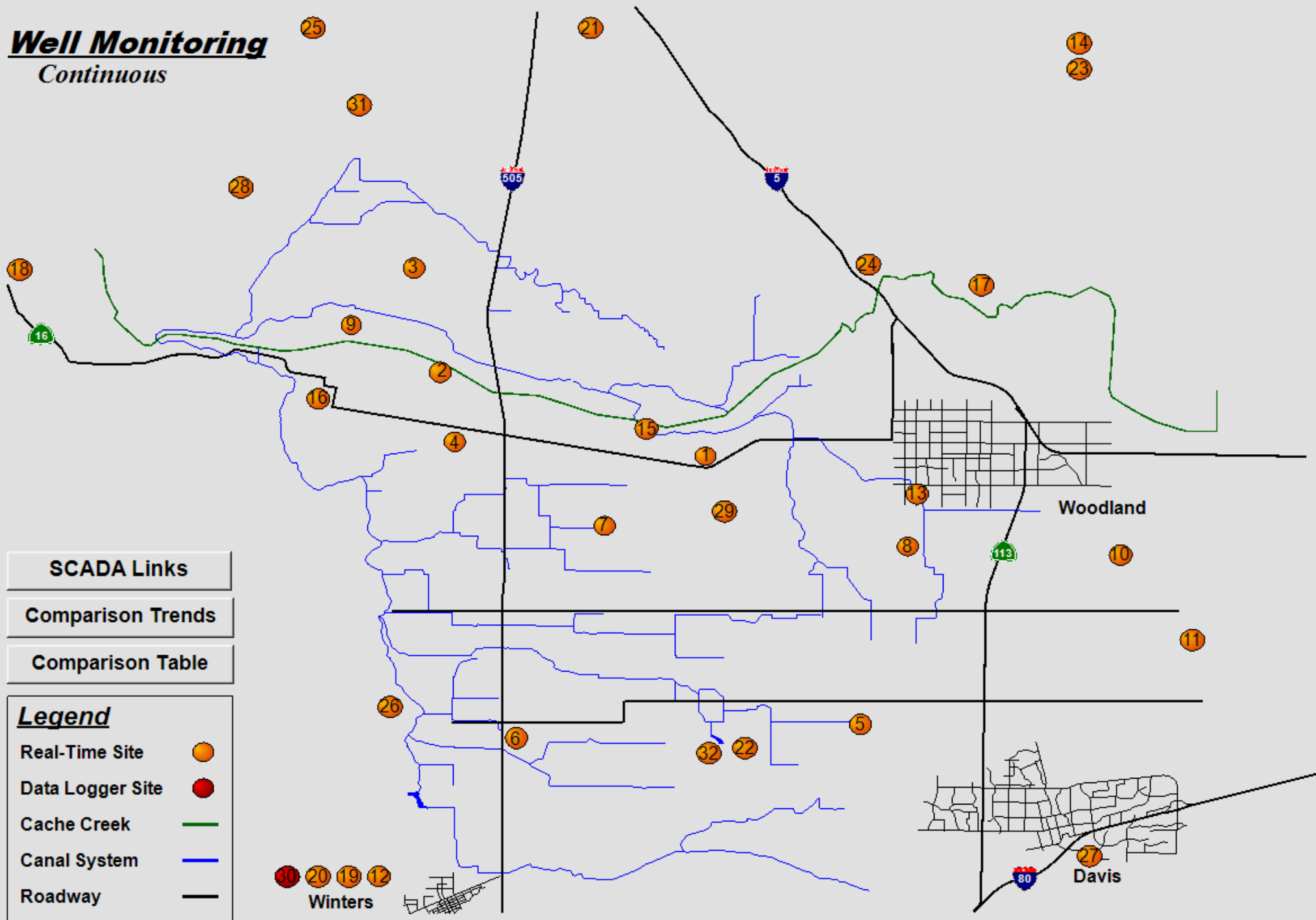
Statewide snowpack is 58%
of average

2/1/23 Snow Survey = 214%
of average

**Second Snow Survey of the Year Shows Modest Improvement for
Snowpack, Conditions Remain Below Average**

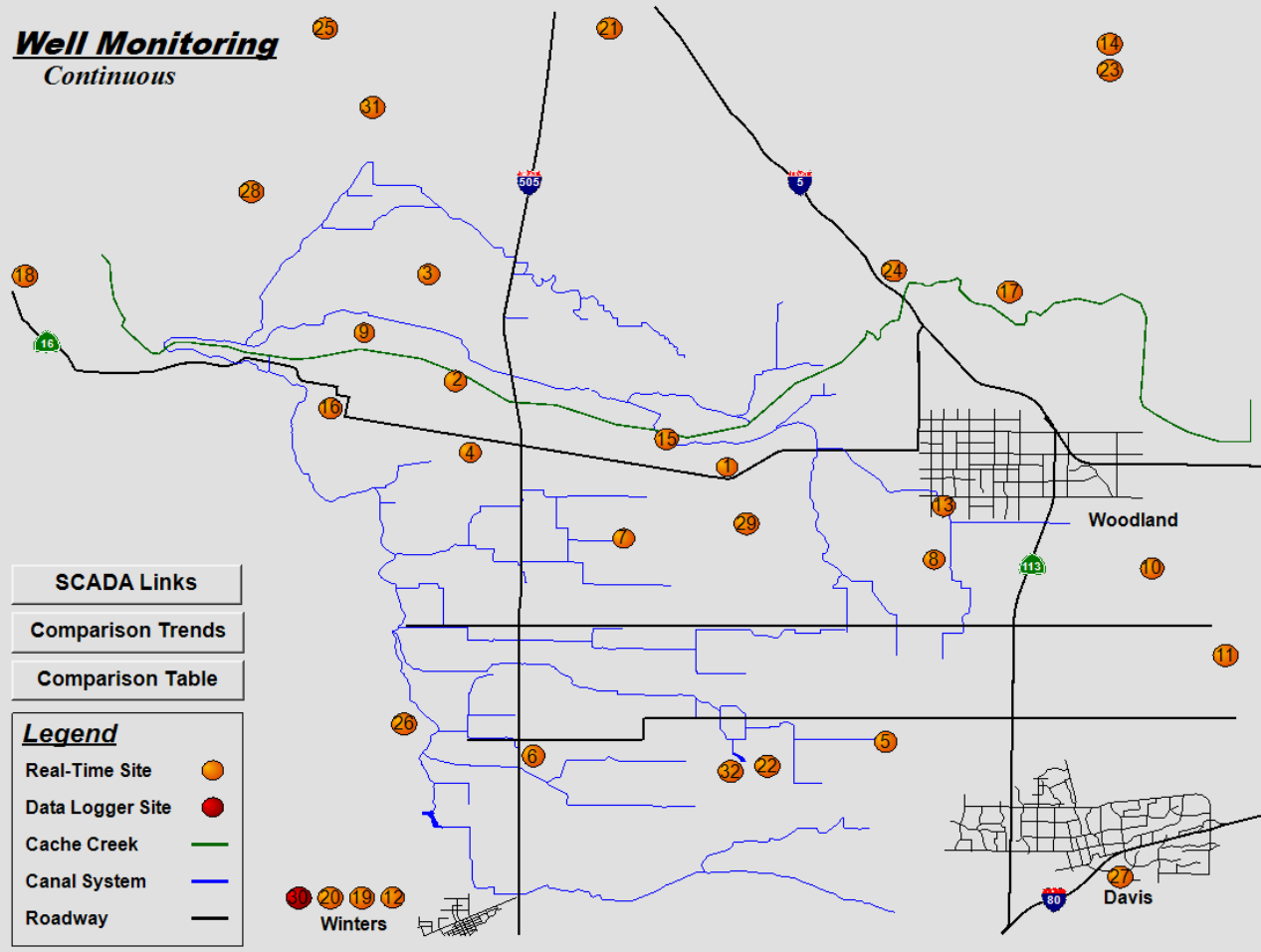
Well Monitoring

Continuous



Well Monitoring

Continuous



SCADA Links

Comparison Trends

Comparison Table

Legend

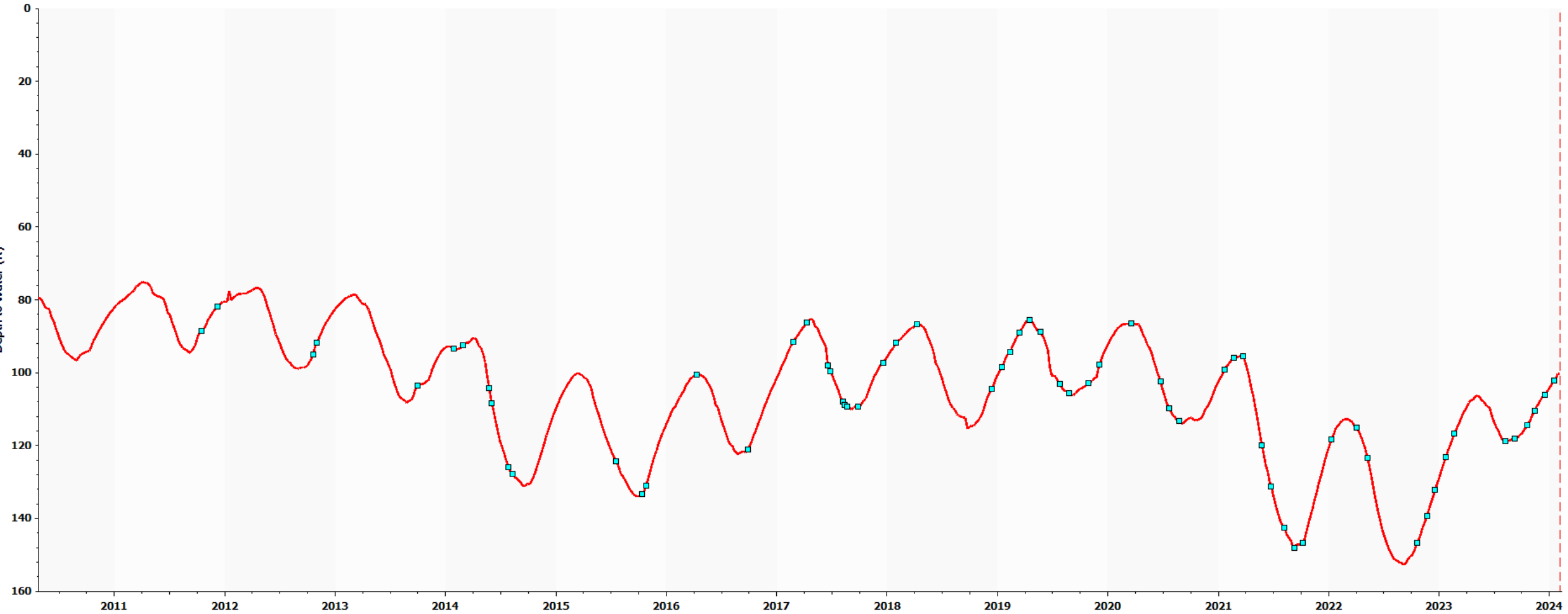
- Real-Time Site (Orange circle)
- Data Logger Site (Red circle)
- Cache Creek (Green line)
- Canal System (Blue line)
- Roadway (Black line)

Well Monitoring

Depth to Water Historical Comparison
(Daily Average DTW in feet)

Well	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Δ 2023 - 2024	Δ 2015 - 2024
1.	80.1	79.6	80.3	93.9	105.3	109.4	96.7	92.1	96.0	88.5	98.5	115.0	122.2	100.5	21.7	4.8
2.	30.5	29.9	28.7	56.8	41.5	43.9	28.2	29.8	28.9	29.4	31.9	37.8	44.1	31.2	12.9	10.3
3.	43.3	39.3	39.3	53.3	62.6	62.4	46.2	39.8	41.4	39.3	43.4	56.3	62.5	47.0	15.5	15.7
4.	26.8	25.9	23.0	36.1	40.3	41.6	26.7	26.8	23.8	24.8	29.9	35.0	42.3	29.0	13.4	11.3
5.		20.9	21.6	28.7	34.4	39.8	20.1	27.2	24.5	22.1	28.8	36.6	33.0	34.7	-1.7	-3
6.		36.0	31.1	51.4	50.2	54.1	31.2	34.4	30.4	31.0	39.1	50.4	52.0	43.2	8.8	7.0
7.				34.2	34.2	36.2	19.3	21.4	18.5	19.0	26.4	32.3	35.7	22.3	13.4	11.9
8.				59.0	61.9	65.8	54.4	43.1	44.1	36.9	45.6	57.9	62.0	48.3	13.7	13.6
9.				53.9	61.4	62.5	43.9	40.1	39.7	40.2	43.8	53.9	64.7	47.5	17.2	13.9
10.					26.4	30.0	22.7	13.3	16.3	10.6	17.9	23.6	24.9	15.4	9.4	11.0
11.					12.9	14.0	11.0	9.1	8.8	8.7	13.0	12.1	11.8	10.7	1.1	2.2
12.									117.0	108.9	119.4	129.6	139.8	129.7	10.1	
13.								54.4	54.1	48.1	56.6	67.1	71.6	64.2	7.4	
14.									9.9	10.3	13.3	12.8	9.9	9.4	.5	
15s.									38.6	37.0	45.8	44.6	42.9	38.5	4.5	
15d.									113.3	104.1	122.9	149.5	163.5	129.1	34.4	
16.									38.6	31.9	37.2	42.6	48.8	36.5	12.3	
17.										19.2	26.3	30.5	33.2	22.1	11.1	
18.										31.7	36.2	38.6	32.4	30.9	1.6	
19.										167.4	177.2	188.2	199.0	187.6	11.4	
20.														238.6		
21.											127.3	135.0	142.0	129.8	12.2	
22.												55.9	64.8	50.1	14.7	
23.												28.0	24.9	20.9	4.0	
24.												56.7	62.7	46.1	16.6	
25.													103.0			
26.													113.9	77.9	35.9	
27.													46.4			
28.													145.4			
29.													95.0	68.1		
30.													116.0			
31.													219.2	198.3	21.1	
32.														112.2		

1. HQ Well Depth to Water



Depth to Water

1/6/23: 129.7 feet

2/6/23: 121.7 feet

Δ 8.0 feet

Depth to Water

1/6/24: 104.6 feet

2/6/24: 100.3 feet

Δ 4.3 feet

Preliminary Financial Report

Highlights as of January 31, 2024

Preliminary Budget Summary as of 01/31/2024

Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$5,760,700	\$6,217,700	(\$457,000)
Non-Agricultural (M&I) Water Sales	\$223,400	\$343,300	(\$119,900)
Property Taxes *includes Special Property Tax Assessment	\$1,558,000	\$2,586,400	(\$1,028,400)
IV Dam Hydro (less fees)	\$283,100	\$350,000	(\$66,900)
Other Revenue	\$776,800	\$1,456,700	(\$679,900)
<i>Shared Services Revenue</i>	<i>\$308,500</i>	<i>\$315,200</i>	<i>(\$6,700)</i>
<i>YSGA Reimbursements</i>	<i>\$200,600</i>	<i>\$250,000</i>	<i>(\$49,400)</i>
<i>Interest</i>	<i>\$165,700</i>	<i>\$120,000</i>	<i>\$45,700</i>
<i>Other (includes FEMA)</i>	<i>\$102,000</i>	<i>\$771,500</i>	<i>(\$669,500)</i>
TOTAL REVENUE	\$8,602,000	\$10,954,100	(\$2,352,100)

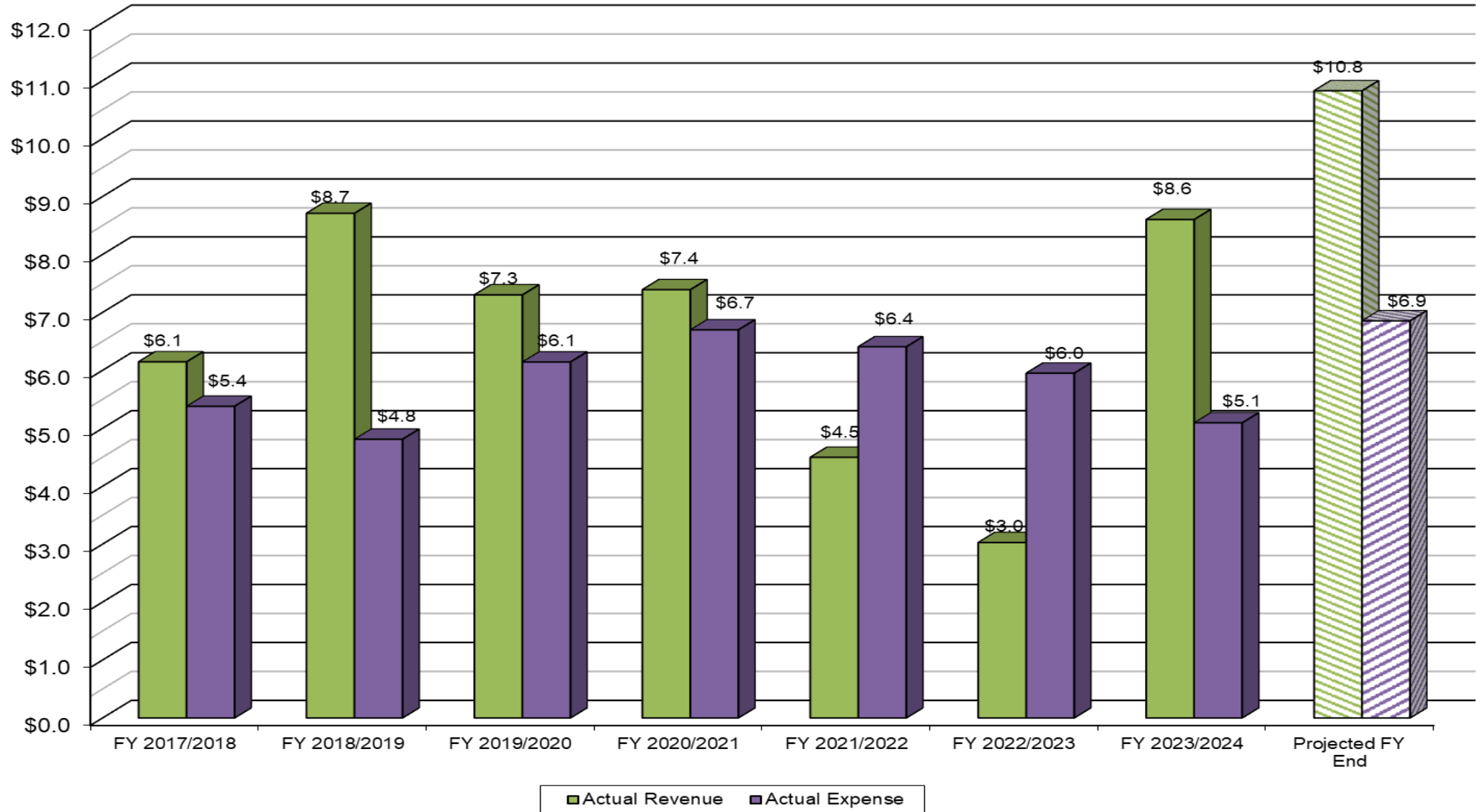
Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$1,029,900	\$1,343,100	(\$313,200)
General Administration	\$1,827,500	\$2,846,900	(\$1,019,400)
Other Expenses	\$2,236,200	\$3,451,900	(\$1,215,700)
TOTAL EXPENSES	\$5,093,600	\$7,641,900	(\$2,548,300)

Preliminary Financial Report

Comparison of Actual Revenue vs. Actual Expense

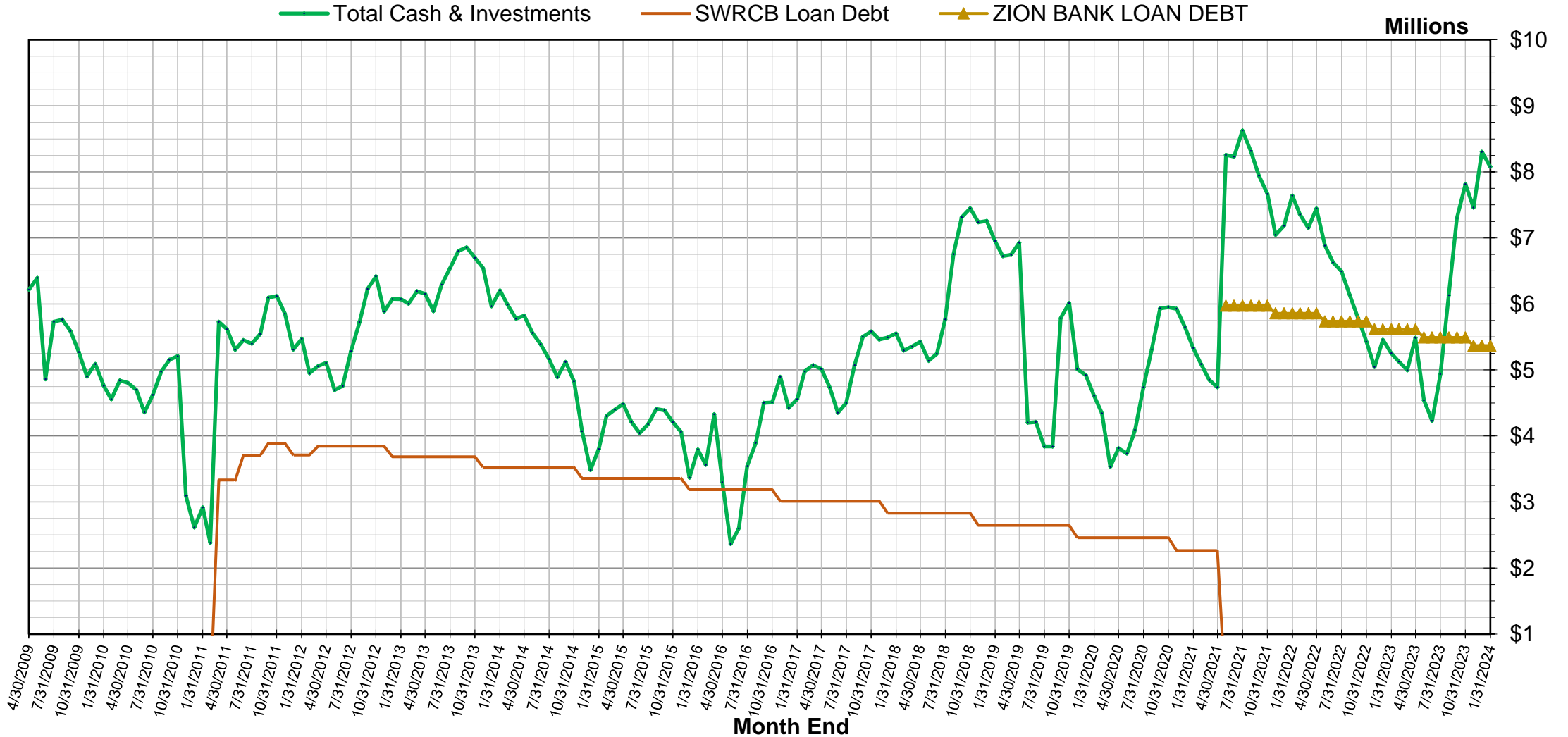
Original Budget
\$10.95 / \$7.6

Millions



Preliminary Financial Report

Cash History



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

Water Rate Structure Components

- Base rate = \$39/AF
- Drought reserve = \$15.50/AF
- Short-term capital recovery charge = \$1.40/AF
- 2023 Adopted Water Rate = \$55.90/AF

Breakdown of Water Rate Structure Component Revenue

Water Rate Structure	Realized Revenues	Budgeted Revenues
Base Rate	\$4,008,853	\$4,329,000
Drought Reserve	\$1,597,449	\$1,720,500
Short-term Capital Recovery Charge	\$144,018	\$155,400

-- DRAFT --

- Drought Reserve Target ~\$8.6M (2-years of Ag Water Expenses)
- Short-term Capital Recovery Target ~\$763k
- Assumes collection over a 5-year unallocated period at 110 TAF/year sales
- Special Benefit Assessment: \$481,292 of \$945,000 collected to-date (final installment expected by May 2024)

Planning for Capital Jobs

Capay Dam Bladder Replacement Project – Fall 2024

FY 23/24 Planning Activities Related to Large Capital Jobs

Hungry Hollow Canal – Pipeline Extension Project

Automated Trash System at Winters Heading and West Adams Canal



2024 Temporary Permit Application for Diverting Excess Flows to Groundwater Recharge

- Diversion season requested: January 1 – April 30, 2024
 - Diversions up to 600 cfs; max of 72,000 AF
 - Maintain ≥ 50 cfs in Cache Creek at Yolo (100 cfs in April)
 - Divert “excess” stormwater into canals and onto fields – *Excess Delta Conditions*
 - Fields must be part of Yolo County Irrigated Lands Program
-
- Submitted application to State Water Board 12/14/23 // Processed by 1/12/24
 - Central Valley Regional Board had no comments
 - USBR still reviewing application
 - Downstream water right holder vehemently opposed: Brad Howald (Howald Farms)

2024 Temporary Permit Application

- DWR Preliminary Correspondence Received December 7, 2023
 - *Excess Conditions without Restrictions** under the CVP-SWP COA
 - Previously, DWR was okay with *all Excess Delta Conditions*
 - As of January 1, 2024 Delta Status is *Excess with Restrictions*
 - Requested State Water Contractors to evaluate need for additional permit terms to protect Projects
- CDFW Comments Received December 28, 2023
 - Concerned with impact to fish species: summary memo evaluating impacts to
 - aquatic and terrestrial biological resources at Capay Diversion Dam
 - special status terrestrial species within recharge areas (canals, sloughs, and farmers fields)
 - Requested notification for a Lake and Streambed Alteration Agreement (long-term)
 - Fish screen consideration including non-native species (long-term)

* Includes times when Decision 1641 E/I is in control (limits Projects diversions)

PROJECTS: General Activities (January 3-February 6)

- **Storm Response**
- **Automated Trash Rack Investigation**
- **Water Right Reporting**
- **Assistant General Manager Interviews**
- **Voluntary Agreement Process**
- **2023 Storm Damage FEMA Reimbursement Process**
- **IVR Power Supply Issue – 115kV Intertie Substation Oil Circuit Breaker Upgrade**
- **Indian Valley Reservoir Emergency Action Plan Updates and Exercise**
- **FERC Part 12D Comprehensive Assessment**
- **YSGA – Well Permitting Review; Project Development; Outreach; GSP Implementation; Groundwater Monitoring Program Improvements; Grant Opportunities; Neighboring Subbasin Coordination; Grey Area Projects and Outreach**
- **Outreach with various agencies on District’s Recharge Program**
- **Capital Projects – small infrastructure projects**
- **Various Private Jobs**
- **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 (January 3-February 6)

OUTREACH:

1. ACWA Board of Directors Meeting (January 4)
2. YSGA: Meeting with TNC SGMA Implementation GDEs (January 4)
3. Meeting with Lake County Supervisor Bruno Sabatier to Discuss Algae Mitigation (January 8)
4. Nitrate Control Meetings (January 8 and 12)
5. YSGA: Governance and Fee Brainstorm Meeting (January 8)
6. YSGA: Yolo County Board of Supervisors Meeting (January 9)
7. NCWA: Bay-Delta Working Group Meetings (January 9)
8. Westside-Sac IRWM Coordinating Committee Meeting (January 10)
9. Meetings with Yolo County Regarding Bay-Delta Plan (January 11-12)
10. YSGA: Executive Committee Meeting (January 12)
11. ACWA SGMA Implementation Subcommittee (January 16)
12. Water Data Consortium/EDF: Water Accounting Platform Meeting (January 16)
13. YSGA: QA/QC of ET Satellite Data for Estimated Water Use (January 17 and February 6)
14. Meeting with LACOSAN and Calpine (January 18)
15. ACWA State Legislative Committee Meeting (January 19)
16. YSGA: Board of Directors Meeting (January 22)
17. Yolo County ILRP Meetings (January 22-24)
18. YSGA: Meeting with Marcy Stephens to Discuss Well Permitting Process (January 23)
19. ACWA Region 4 Board Meeting (January 29)
20. YSGA: China Slough Landowner Meeting (January 31)

Upcoming Meetings & Events

1. ACWA SGMA Implementation Subcommittee (February 8)
2. Meeting with Valley Clean Energy (February 8)
3. ACWA State Legislative Committee (February 9)
4. NCWA Bay-Delta Working Group (February 12)
5. YSGA: Meeting with Supervisor Provenza (February 12)
6. Yolo County Airport (Emergency Access for Rolling Acres) (February 13)
7. District Farmers Council Meeting (February 14)
8. Water Data Consortium Water Accounting Platform Meeting (February 15)
9. Yolo County Farm Bureau Board Meeting (February 20)
10. YSGA EC Meeting (February 21)
11. California Irrigation Institute Board Meeting and 2024 Conference (February 15 and 26-27)
12. YSGA Board of Directors Meeting (March 18)
13. Yolo County Board of Supervisors: Well Permit Discussion (April 9)
14. ACWA Spring 2024 Conference (May 7-9)
15. GRA/ACWA SGMA Implementation Workshop (June 5-6)

Agenda Item #12

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 #13

Payment of Bills

Consider the approval and payment of the bills
(Checks #63170-63184)

0000063170	\$48,258.32	ACWA / JPIA EMPLOYEE BENEFITS	2/6/24		
		0701743 FEB 2024	2/1/24	MONTHLY MEDICAL VISION LIFE EAP	48,258.32
0000063171	\$2,503.46	BARTKIEWICZ KRONICK & SHANAHAN	2/6/24		
		1650.0001 DEC 2023	1/8/24	GENERAL LEGAL	2,503.46
0000063172	\$4,962.40	BAT ELECTRIC, INC.	2/6/24		
		7180	1/5/24	PO8879 WELL MONITORING PANEL DC POWERED	4,962.40
0000063173	\$3,500.00	CENTRAL VALLEY SOFTWARE SOLUTIONS, LLC	2/6/24		
		644	1/16/24	STORM ANNUAL SUPPORT AGREEMENT 2024	3,500.00
0000063174	\$17,734.75	DAVIDS ENGINEERING, INC.	2/6/24		
		1032.03-6035	1/10/24	ON-CALL ENGINEERING SERVICES <i>Reimbursable</i>	17,734.75
0000063175	\$11,586.36	US DEPT OF INTERIOR - BLM	2/6/24		
		2024005835	1/1/24	CACA105946186 ROW IV TRANSMISSION LINE	11,586.36
0000063176	\$15,501.29	HOLT OF CALIFORNIA, A CORP	2/6/24		
		SW010341125	2/2/24	PO6907 REPAIR STABILIZER CYL,BUCKET CYL	15,501.29
0000063177	\$4,598.27	INTEGRAL NETWORKS, INC.	2/6/24		
		32159	2/1/24	PO8806 COMPLETE MANAGED SERVICES	4,598.27
0000063178	\$11,881.71	INTERSTATE OIL COMPANY	2/6/24		
		P659359-IN	1/26/24	195 GAL PROPANE	402.24
		P659360-IN	1/26/24	132 GAL PROPANE	272.29
		T623349-IN	1/18/24	PO8748 1660GAL GAS, 1230GAL DIESEL	11,207.18
0000063179	\$3,592.50	LAUGENOUR AND MEIKLE, INC.	2/6/24		
		24483	12/29/23	PO8904 IV ANNUAL SETTLEMENT POINT SURVEY	3,592.50
0000063180	\$0.00	MBK ENGINEERS	2/6/24		
		13324	1/24/24	5325.1 GW RECHARGE WAA	<i>Reimbursable</i> 2,921.50
		13323	1/24/24	5325.0 WATER RIGHT ASSISTANCE	4,808.75
0000063181	\$3,000.00	MANN URRUTIA NELSON CPAS & ASSOCIATES LLI	2/6/24		
		2834749	1/31/24	FINAL BILLING - AUDIT & SCO REPORT	3,000.00
0000063182	\$59,722.88	NORTHERN CALIFORNIA WATER ASSOCIATION	2/6/24		
		10571	1/10/24	2024 MEMBERSHIP - 1ST INSTALLMENT	59,722.88
0000063183	\$8,061.80	POWER PROS	2/6/24		
		2024017	2/1/24	PO8911 IVSS ELEC PREVENTABLE MAINT	8,061.80
0000063184	\$9,667.50	WOOD RODGERS, INC.	2/6/24		
		175428	10/31/23	SR 16 FLOOD RISK REDUCTION	<i>Reimbursable</i> 8,447.00
		176310	11/30/23	SR 16 FLOOD RISK REDUCTION	417.00
		177173	12/31/23	SR 16 FLOOD RISK REDUCTION	803.50

\$ 212,301.49

\$ 212,301.49

Agenda Item #14

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 #15
Adjourn