

YCFC&WCD BOARD OF DIRECTORS

January 2, 2024



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

Agenda Item #1

Adoption of the
December 5, 2023 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

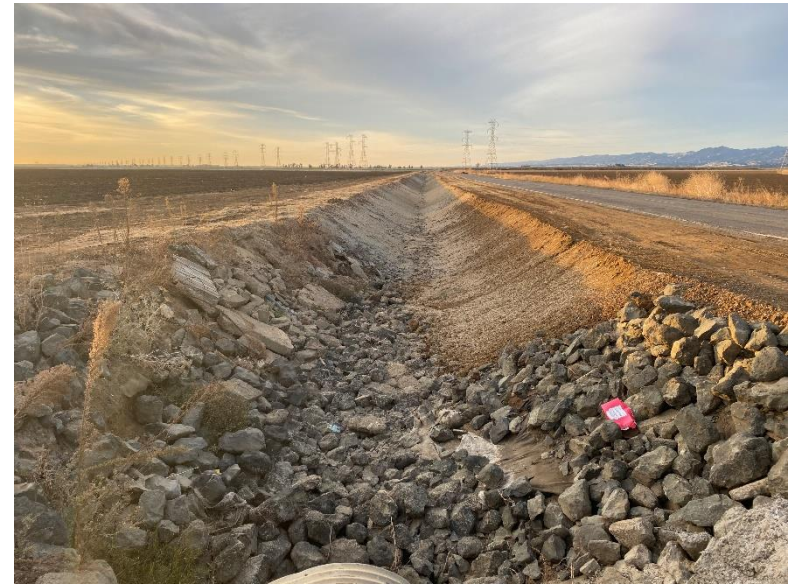
Election of Officers for 2024

Agenda Item #5

Action on Claim by Chamberlain
Farms

Agenda Item #6

January 2023 Storm Events
Emergency Canal Repairs



Agenda Item #7

District Representatives to
Committees and Various Groups

**YCFC&WCD BOARD OF DIRECTORS
2023 COMMITTEE ASSIGNMENTS
Adopted at the February 2023 Board Meeting**

Standing Committees

Finance	Vink and Tucker
Infrastructure	Barth and Kimball
Environmental Issues	Mayer and Tucker
Personnel	Mayer and Kimball
Lake Communications	Tucker and Vink
Public Education	Mayer and Vink
Yolo County 2x2	Vink and Kimball

Ad Hoc Committees

Clear Lake Water User Agreements	Barth and Tucker
Winter Water Rights Committee	Barth and Mayer
Outreach Committee (Revenue Evaluation)	Barth and Tucker

Other Appointments

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

<u>Vink</u>	<u>Kimball</u>	<u>Barth</u>	<u>Mayer</u>	<u>Tucker</u>
Finance	Infrastructure	Infrastructure	Enviro	Finance
Lake	Personnel	YSGA	Personnel	Enviro
Public Education	Yolo 2x2	ACWA/JPIA	Public Education	Lake
Yolo 2x2			NCWA	

Agenda Item #8

YSGA Update

YSGA Update

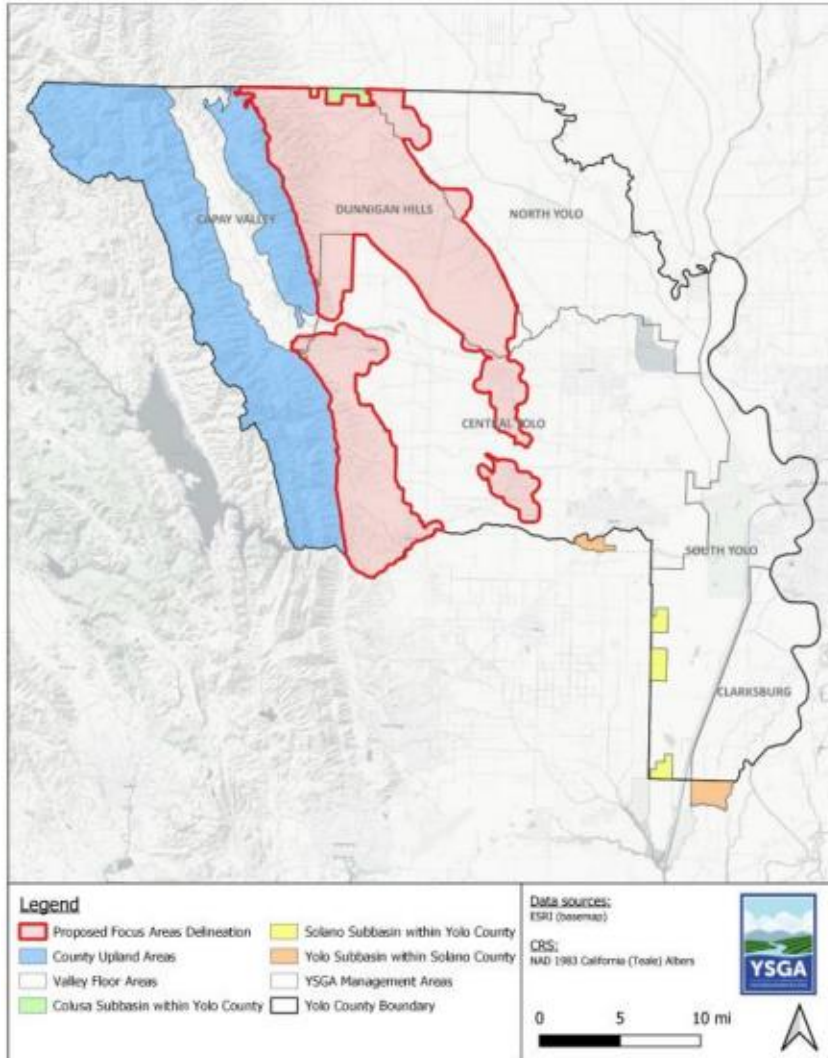


Figure 1. Proposed Delineated Focus Areas Relative to County Defined Valley Floor and Upland Areas.

- Focus Areas analysis prompted by
 - Requirements of Executive Order (EO) N-3-23
 - Concerns over declining groundwater levels in domestic wells
- Process and Purpose for developing Focus Areas Map
 - Identify areas using best available groundwater data where a hydrogeologist report may be needed to support YSGA's written verification
 - YSGA Board approved Map on November 20

YSGA Update

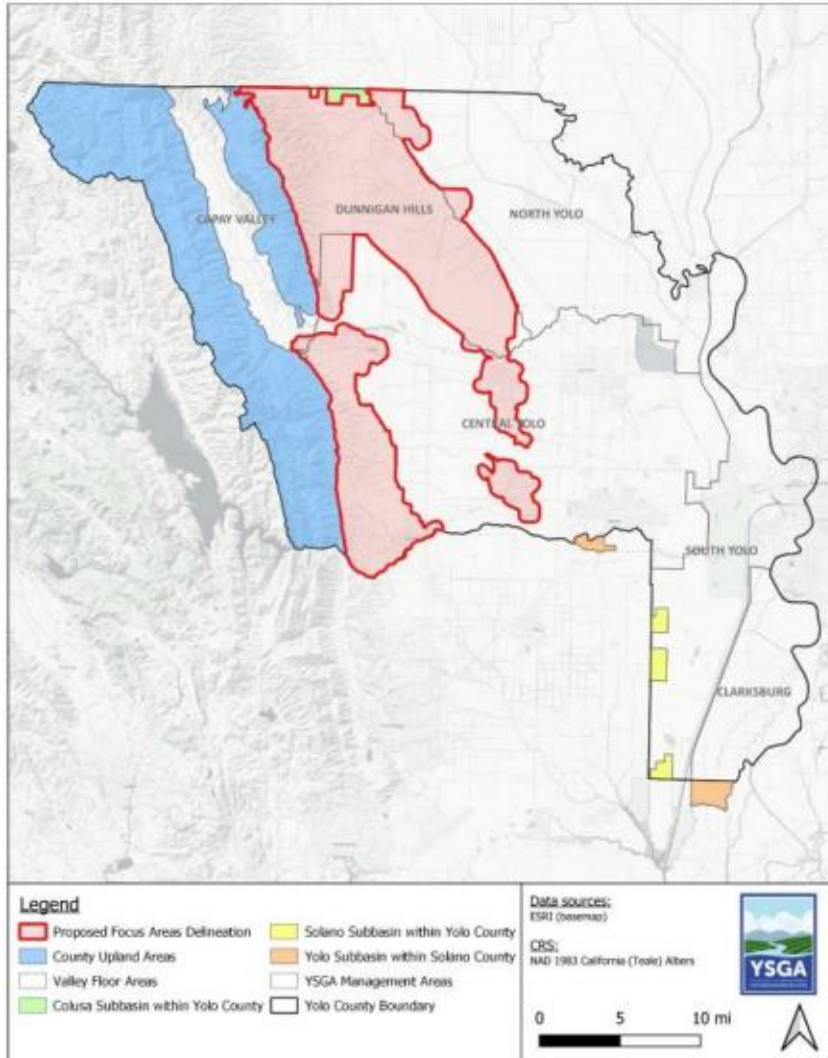


Figure 1. Proposed Delineated Focus Areas Relative to County Defined Valley Floor and Upland Areas.

- Well Permit Review Procedures reviewed at November 20 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 Drought Contingency Planning Committee met December 20
- YSGA Board meeting scheduled for January 22
- Anticipate providing another public comment period end of January/mid-February for Focus Areas Map and Well Permit Review Procedures to be reviewed

Outline of Hydrogeologist Report & Summary Form

- Property Owner Information
- Location of Proposed Well
- Description of the Proposed Well
- Design of the Proposed Well
- Hydrogeologic Evaluation
- Impact Assessment
- Conclusions



GROUNDWATER ACCOUNTING PLATFORM

Creating a sustainable future for water resources

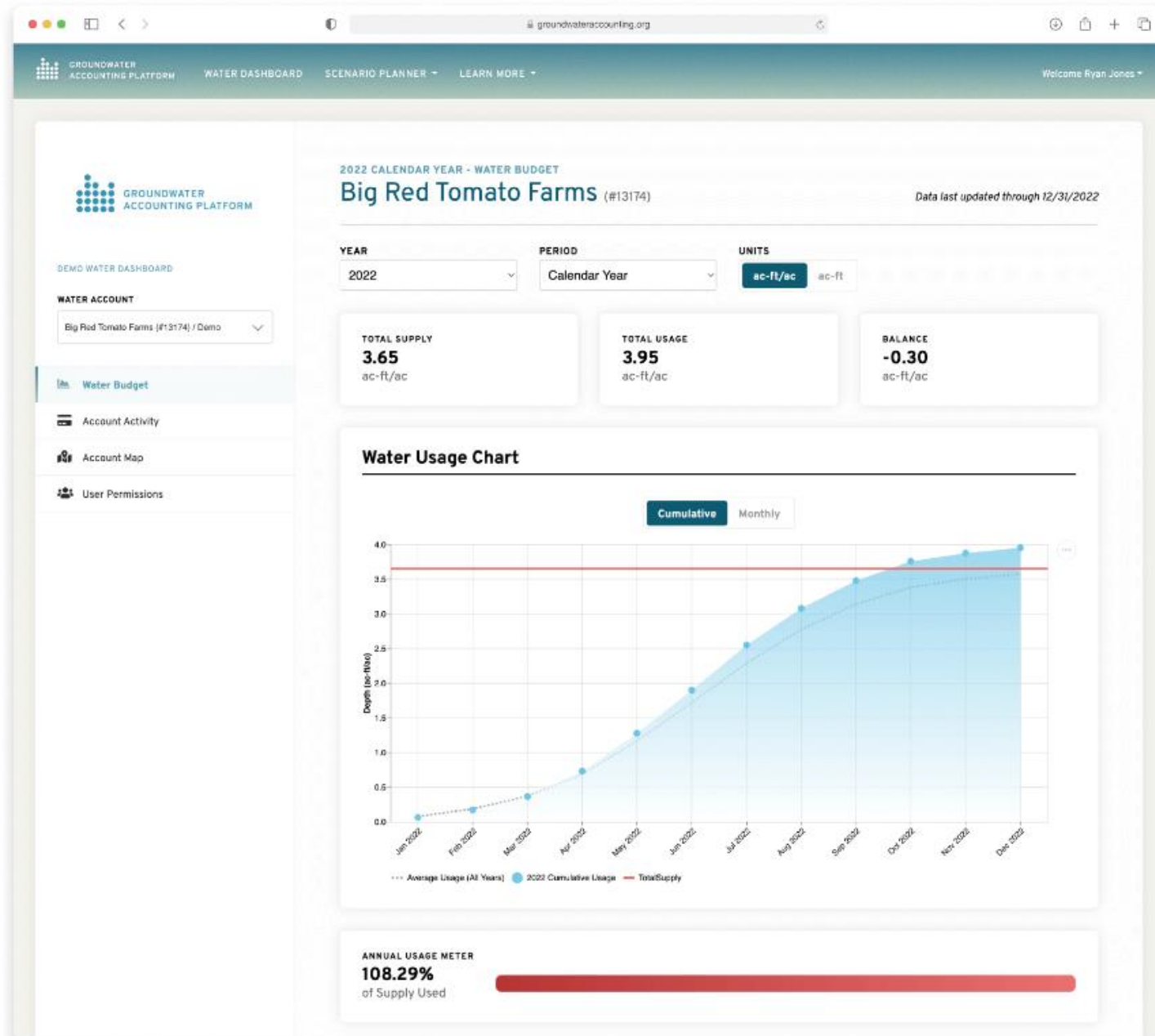
PLATFORM PARTNERS



PILOT GSA PARTNERS



ABOUT THE PLATFORM



The Groundwater Accounting Platform enables water managers, landowners, and water users across California to track water availability and use in near real-time.

Incorporates satellite ET data and scenario planning functionality to communicate water budgets and accounting under SGMA and ultimately support local decision-making by GSAs, water managers, and landowners.

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

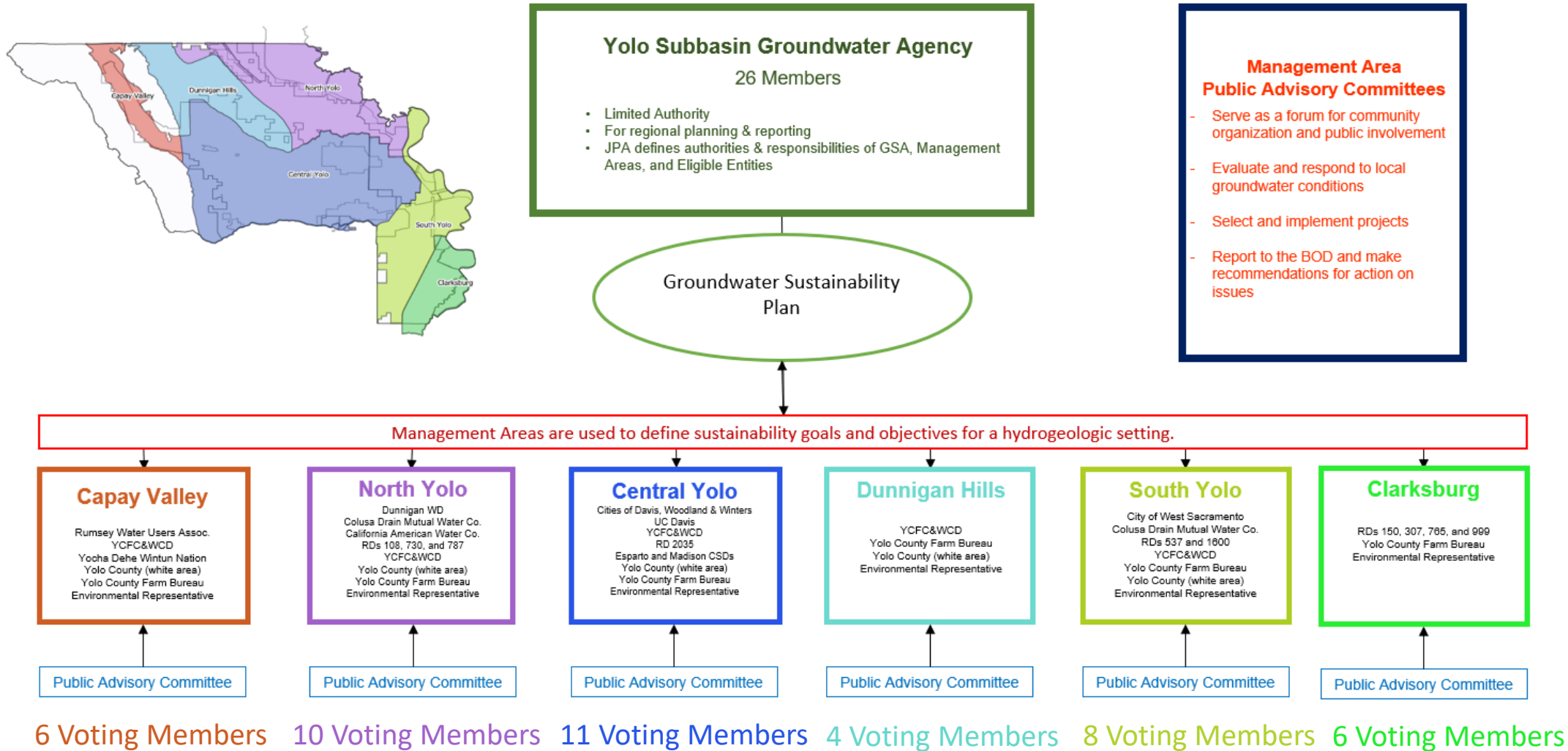
- 3) City of Winters Feasibility Studies
 - i. Alternative Surface Water Supply
 - ii. Recycled Water Supply

- 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 Groundwater Management Task Force (12/11)
- ii. YSGA DCPC Meeting (12/20)

Agenda Item #10

Attorney's Reports

Report on Legal Matters of Concern to the District

- i. New Laws Update

Agenda Item #11

General Manager's Report

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

Current Water Conditions (01-02-24)

	<u>Elevation</u>	<u>Available</u>	<u>2023</u>
Clear Lake			
• January 2	3.10'	0 AF	-1.53' (0 AF)
• December 2	2.14'	0 AF	
• Total Difference	0.96'	0 AF	
Indian Valley Reservoir			
• January 2	1,442.39'	152,500 AF	1,396.58' (53,810 AF)
• December 2	1,440.40'	146,800 AF	
• Total Difference	1.99'	5,700 AF	

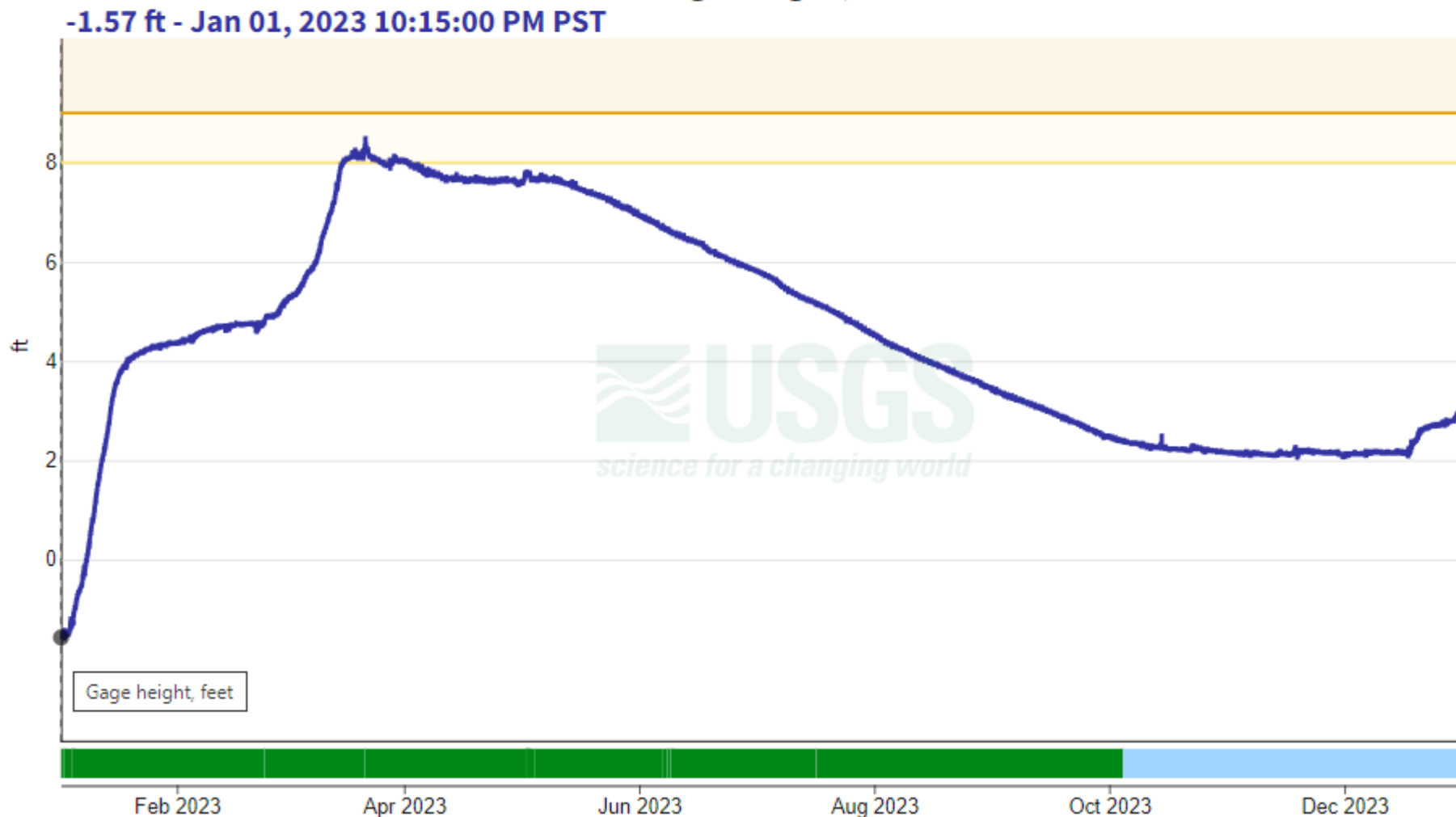
Facility	Precipitation (10/1/23 – 1/1/24)
Cache Creek Dam	8.50"
Indian Valley Reservoir	7.72"
Headquarters	4.91"

7 days 30 days 1 year

Clear LK a Lakeport CA - 11450000

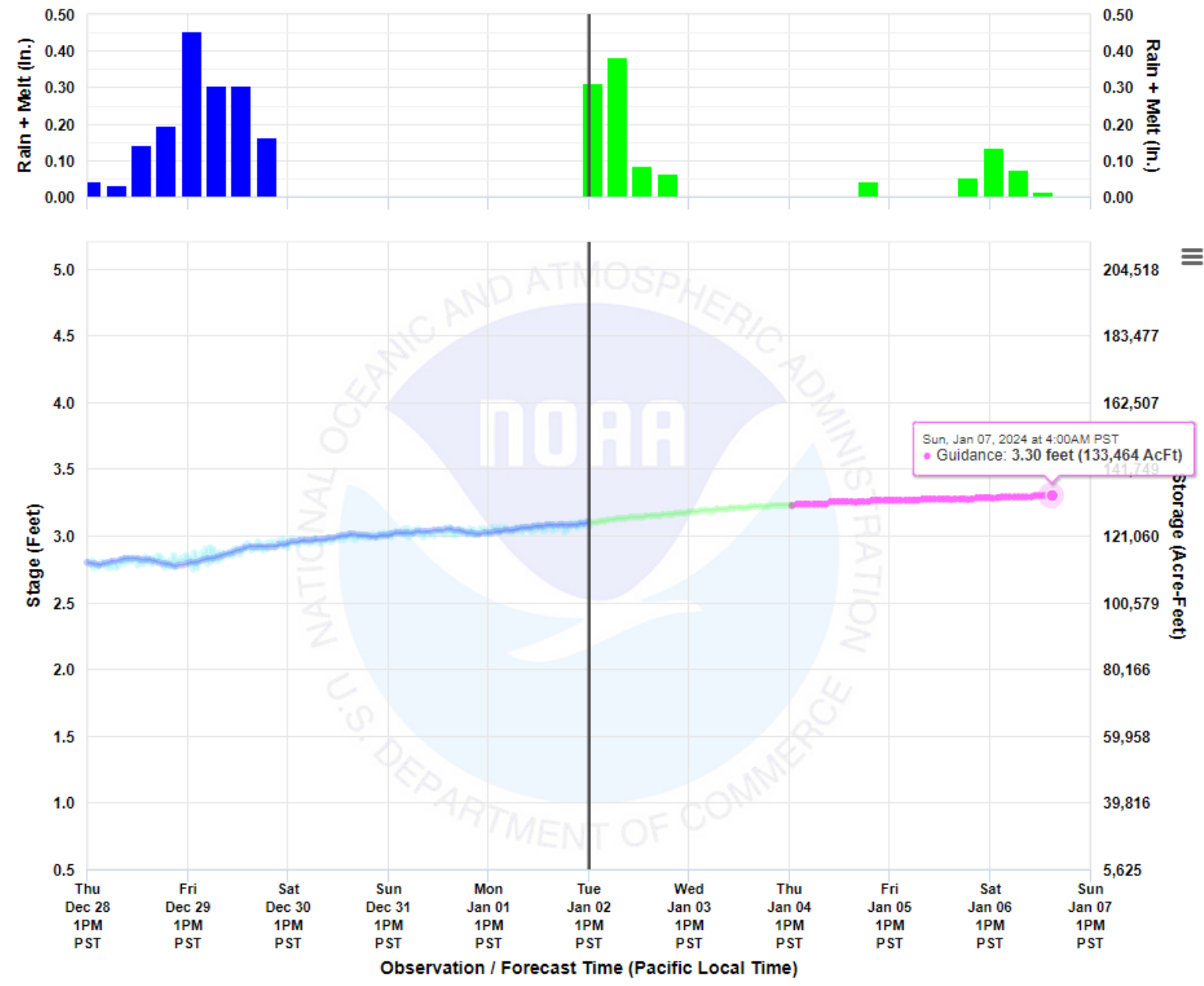
January 1, 2023 - January 1, 2024

Gage height, feet



Clear Lake - Lakeport (CLKC1) Reservoir Forecast Plot

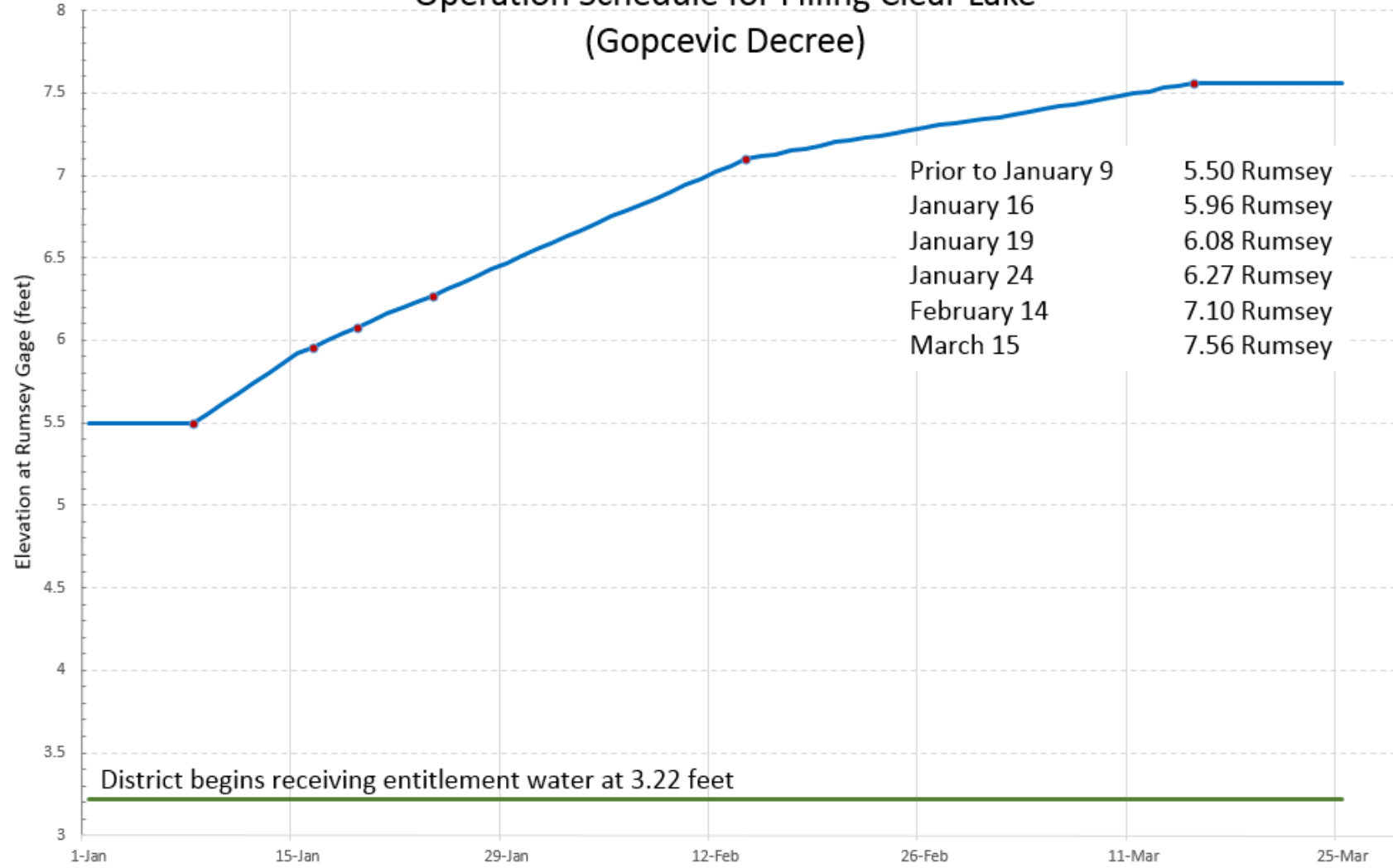
Forecast Posted: 01/02/2024 at 1:21 PM PST • Graphic Created: 01/02/2024 at 1:31 PM PST



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)



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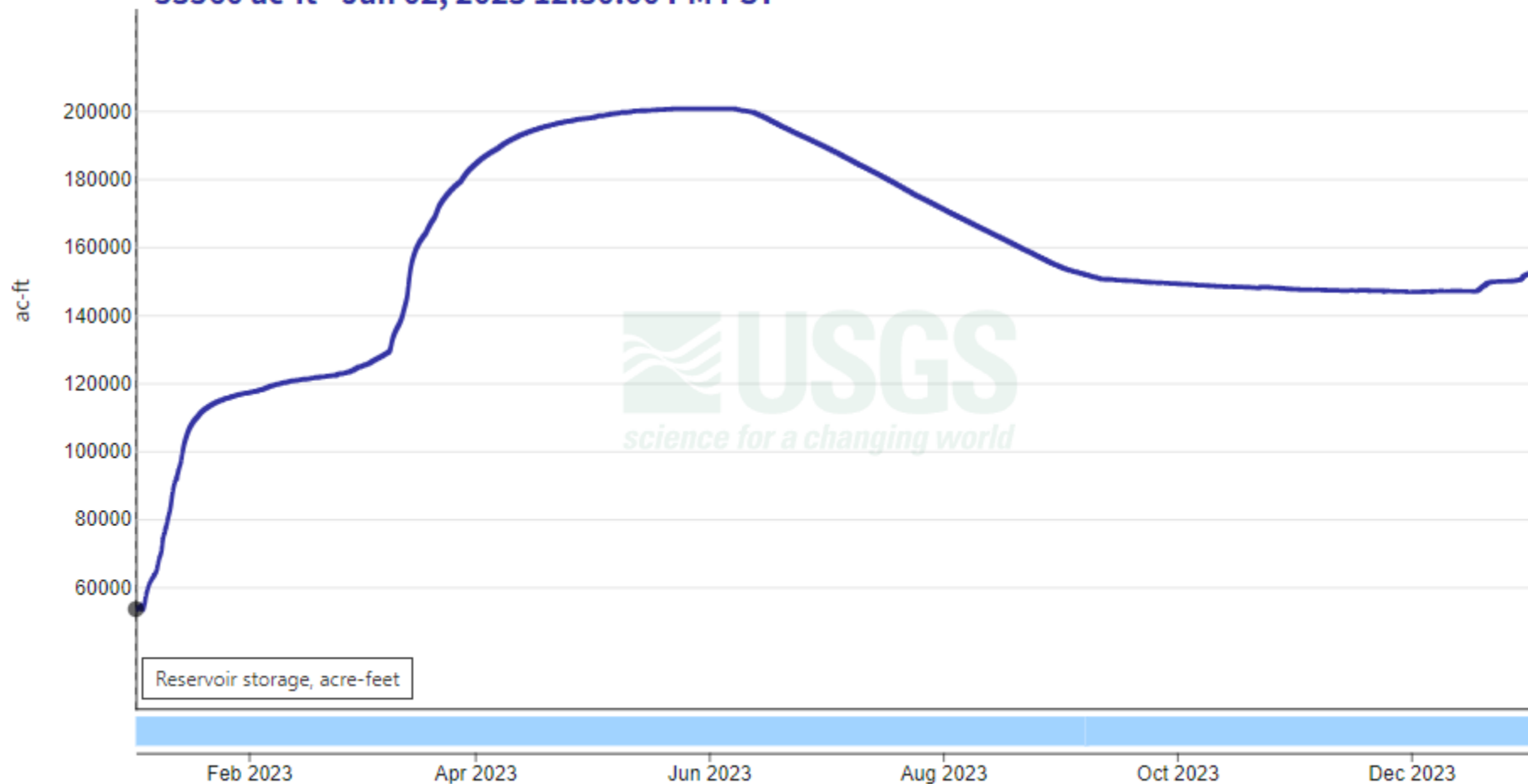
7 days 30 days 1 year

Indian Valley Res a Clearlake Oaks CA - 11451290

January 2, 2023 - January 2, 2024

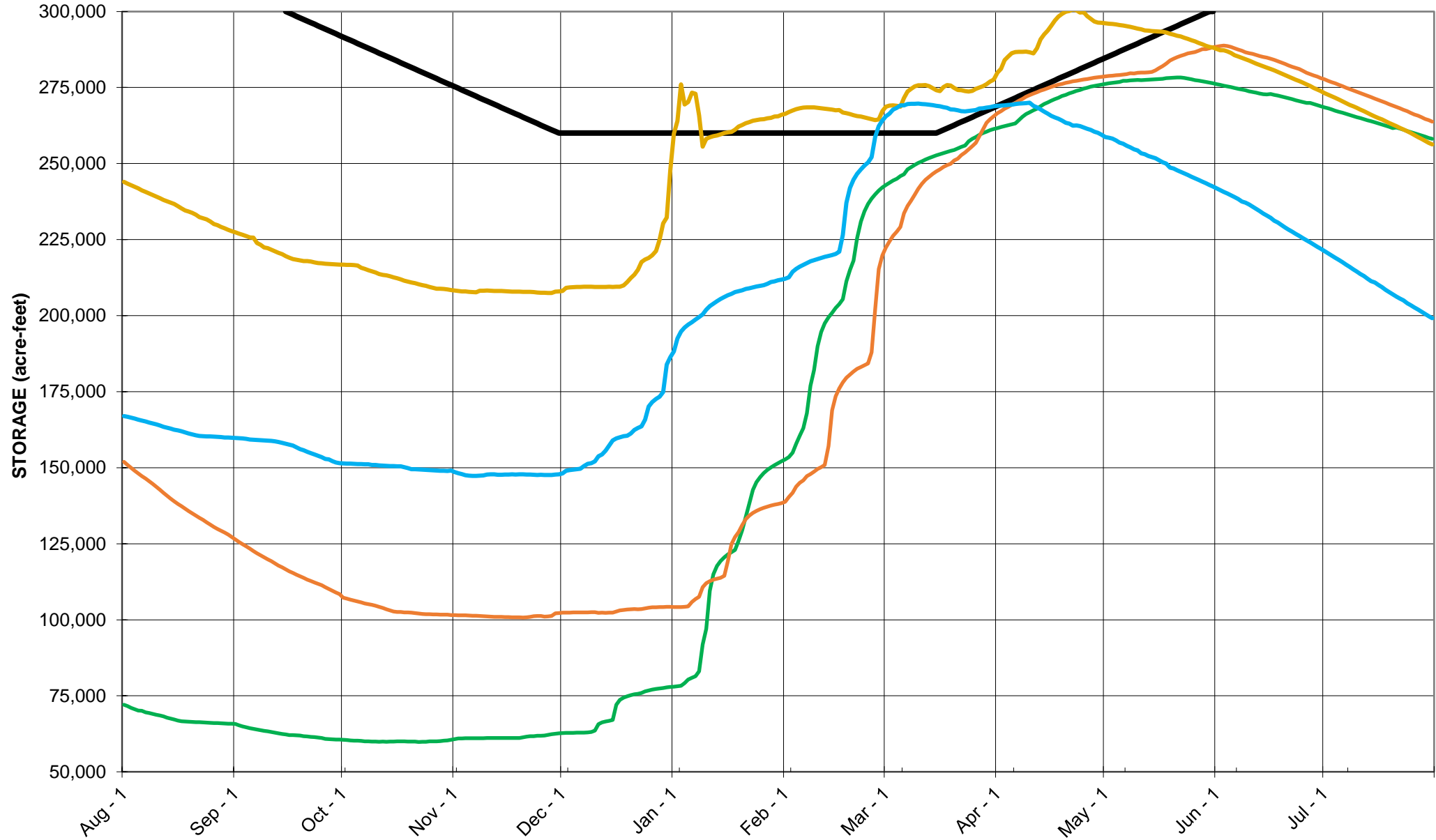
Reservoir storage, acre-feet

53560 ac-ft - Jan 02, 2023 12:30:00 PM PST



Reservoir storage, acre-feet

INDIAN VALLEY RESERVOIR Storage & Flood Control Diagram



— Storage and Flood Control Curve

— 2016-2017

— 2018-2019

— 2005-2006

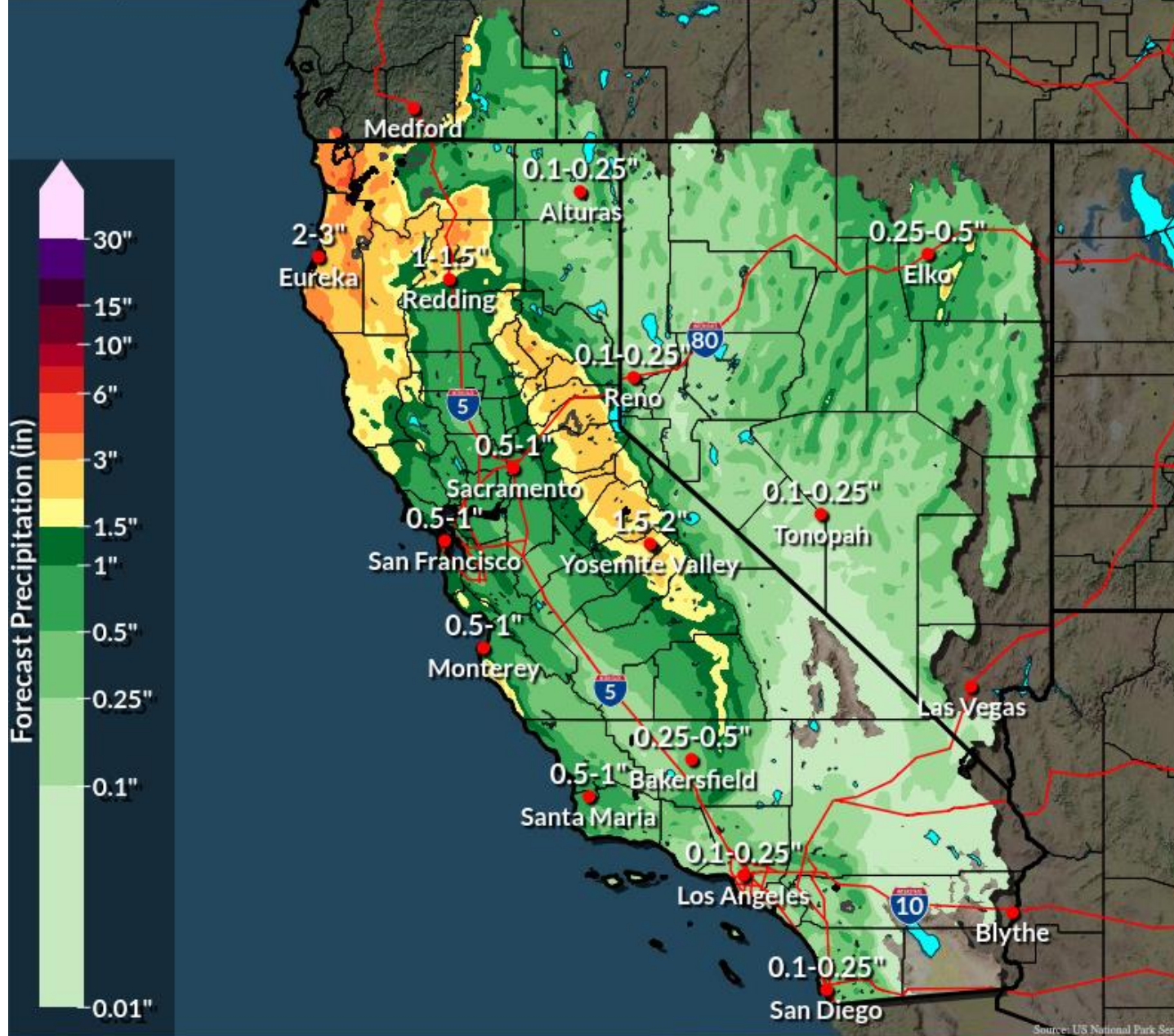
— 2003-2004

6-Day Forecast Precipitation

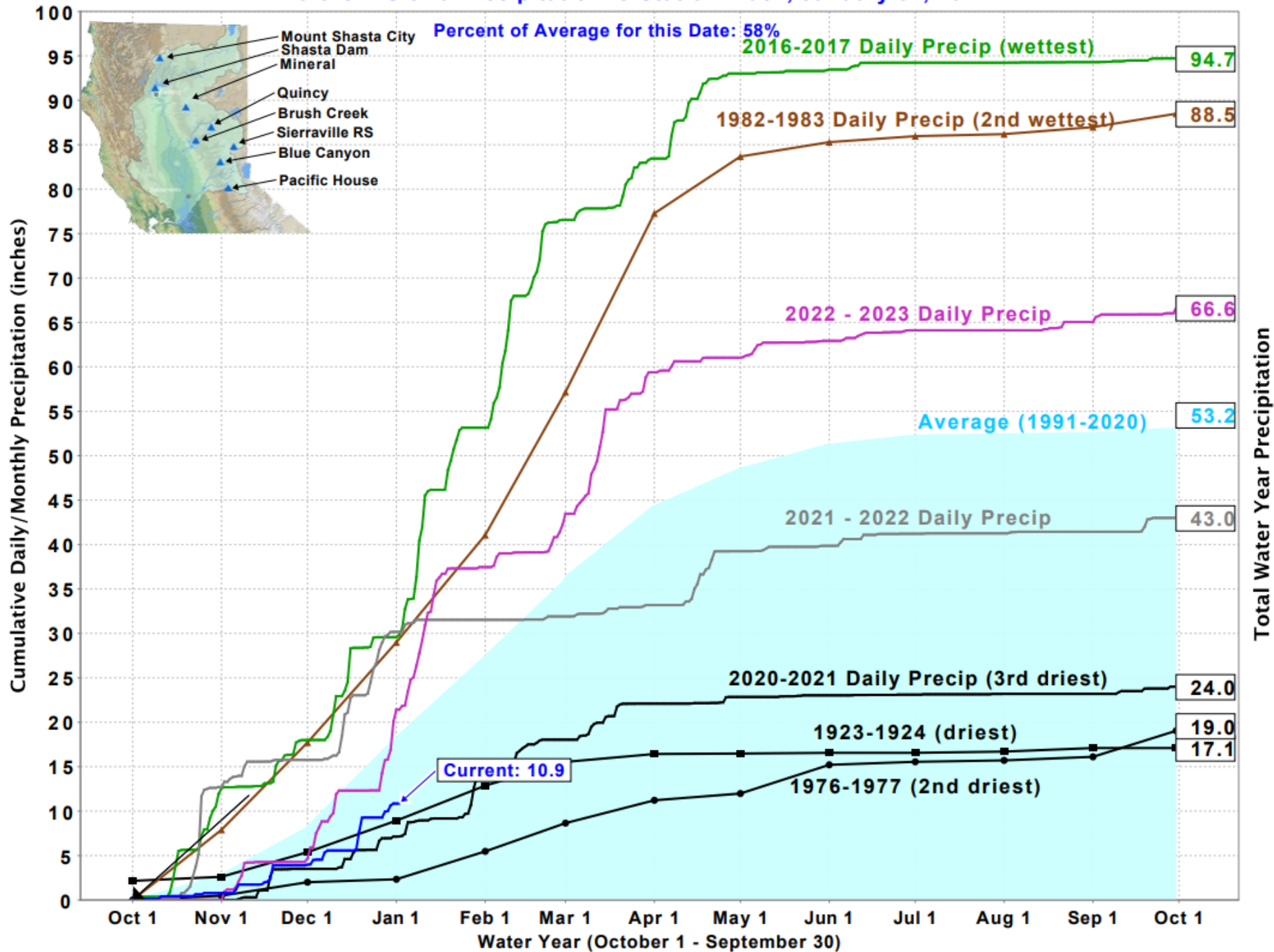
River Forecast Center
Sacramento, CA



Tue Jan 2, 2024 4 AM PST to Mon Jan 8, 2024 4 AM PST Issued Jan 02, 2024 12:42 PM PST



Northern Sierra Precipitation: 8-Station Index, January 02, 2024

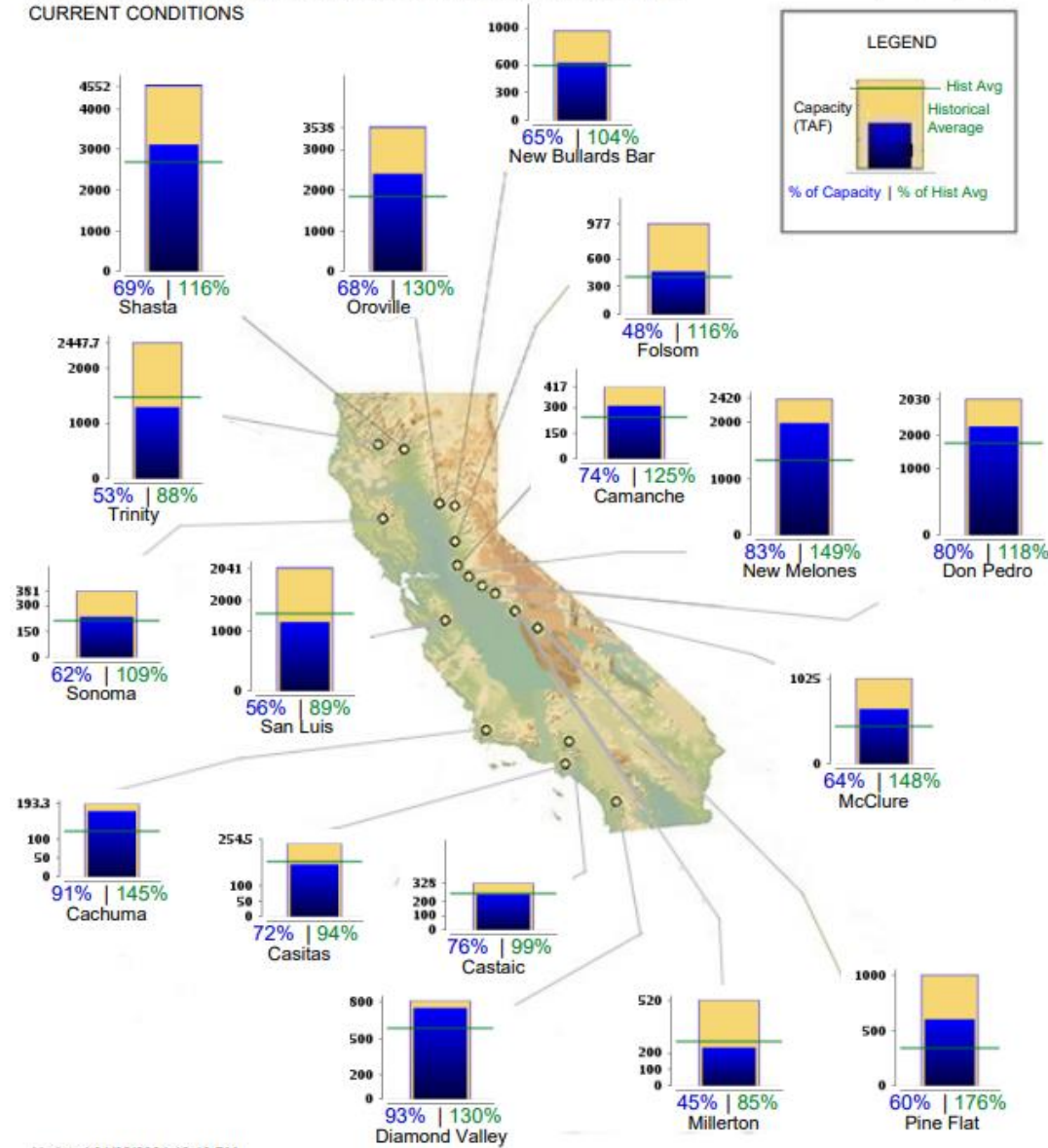




CURRENT RESERVOIR CONDITIONS

CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS CURRENT CONDITIONS

Midnight - January 1, 2024





1/2/24 Snow Survey

Snow depth = 7.5"

Snow water equivalent = 3"

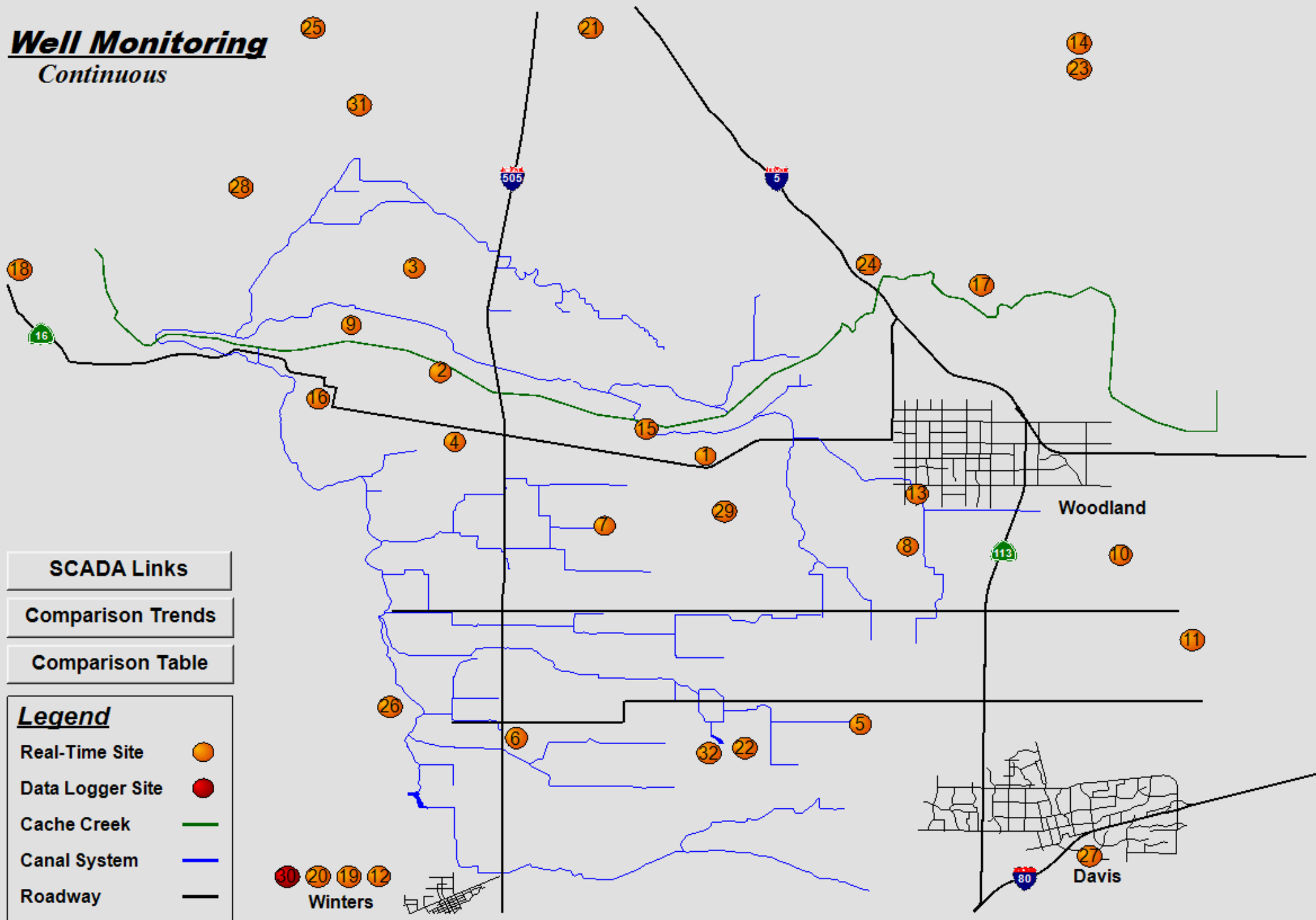
Statewide snowpack is 25%
of average

1/3/23 Snow Survey = 174%
of average

**THIS JUST IN ... First Snow Survey of the Season Finds
Below Average Conditions for California**

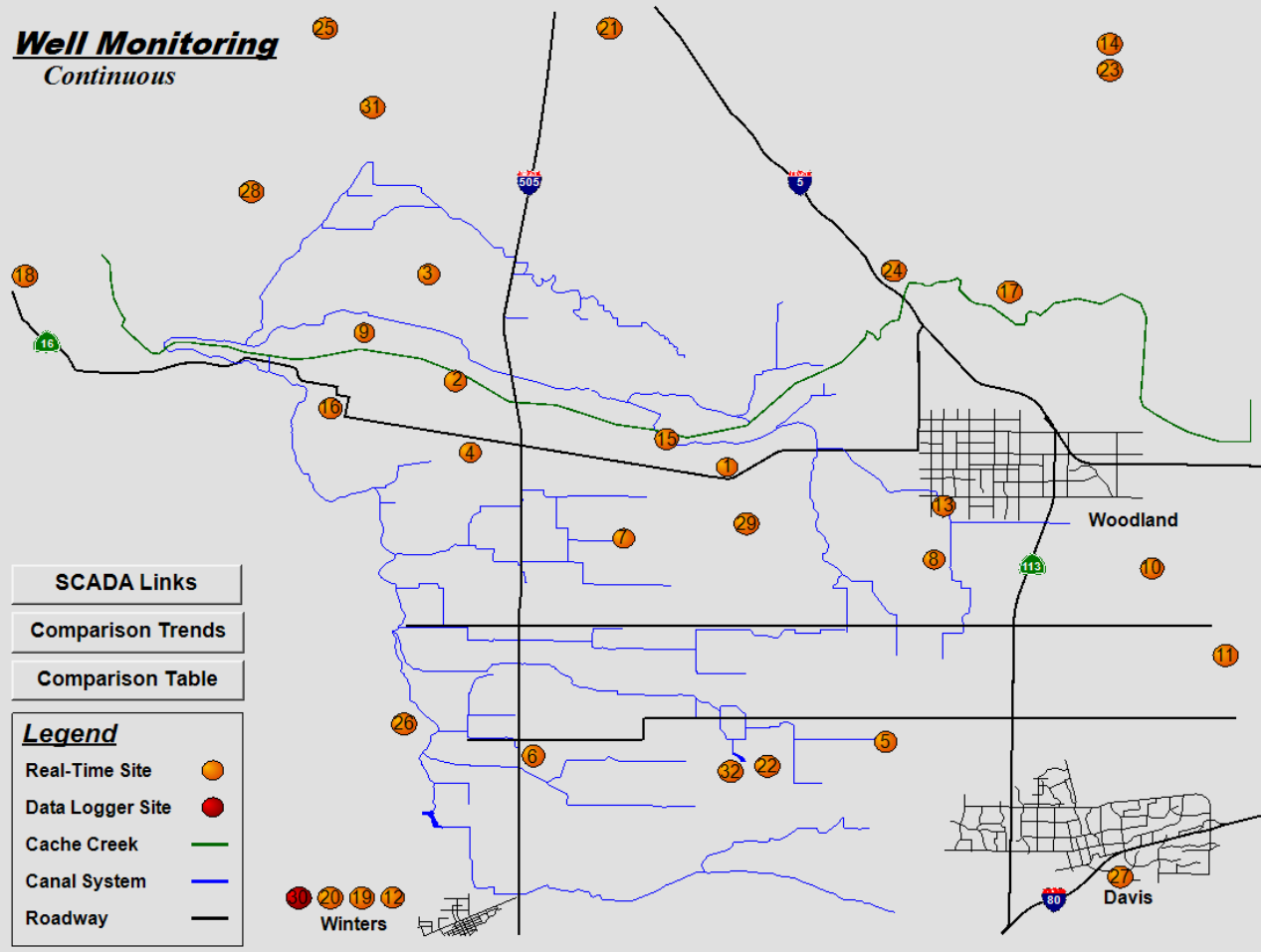
Well Monitoring

Continuous



Well Monitoring

Continuous

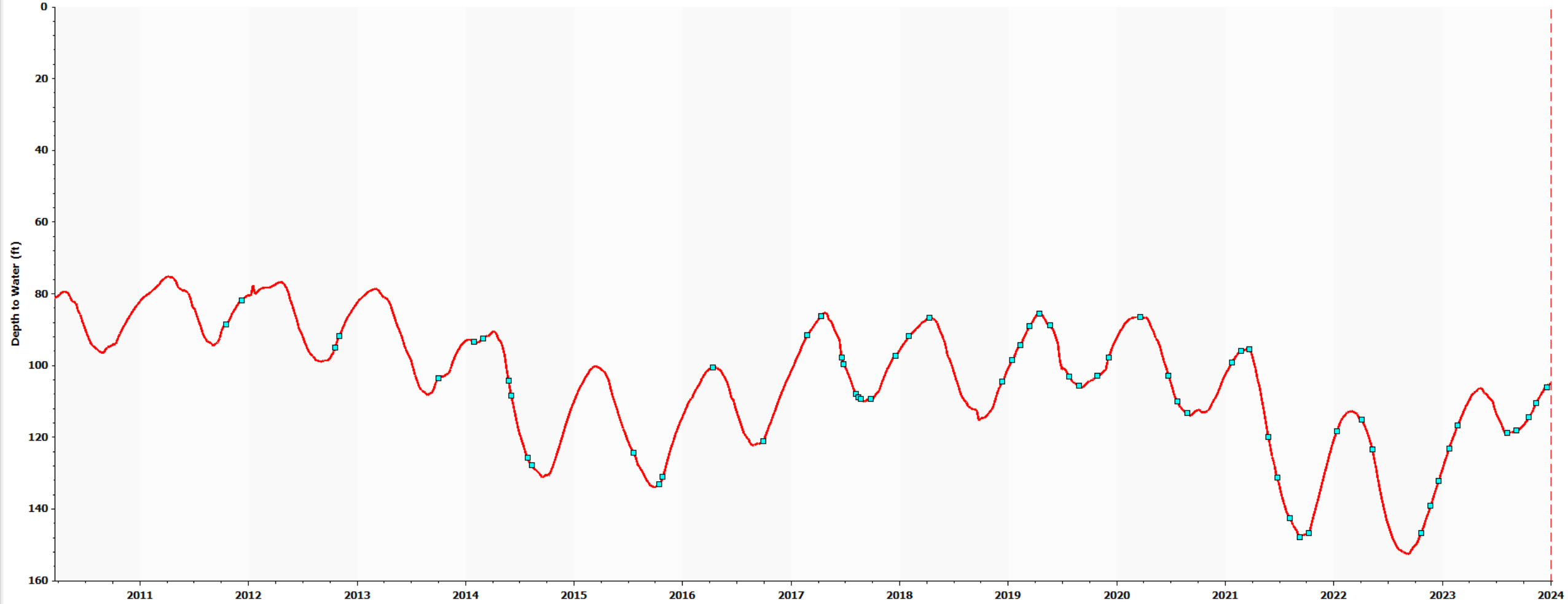


Well Monitoring

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.	82.7	80.5	83.2	93.5	111.0	115.3	102.5	97.2	104.3	93.3	103.5	122.1	130.7	105.3	25.4	10.0
2.	31.4	29.7	29.2	36.9	44.3	49.0	35.6	30.5	31.5	30.2	32.5	40.2	54.3	32.9	21.4	16.0
3.	44.5	38.3	40.7	50.9	67.3	65.9	51.5	39.9	42.7	39.5	43.1	59.5	76.8	48.9	28.0	17.1
4.	28.4	25.9	23.5	32.4	42.5	44.6	33.5	27.8	27.3	25.4	29.9	36.8	50.3	30.8	19.5	13.8
5.		20.2	20.6	28.5	32.7	39.7	37.6	27.1	29.5	21.8	29.3	35.9	44.4	35.4	9.0	4.3
6.		34.6	31.3	44.9	50.4	55.0	42.9	33.3	37.5	30.5	38.1	48.1	60.8	43.8	17.0	11.3
7.				35.9	35.9	39.0	25.8	24.1	23.2	19.1	27.3	34.0	41.3	25.9	15.5	13.1
8.				49.4	65.1	68.5	60.9	45.9	48.3	38.3	47.8	60.8	70.3	51.2	19.1	17.3
9.				51.7	66.9	68.2	51.4	40.9	42.6	40.7	44.6	60.9	78.3	44.4	34.0	23.8
10.					31.8	35.6	29.0	17.6	21.2	14.2	25.2	27.9	33.9	20.4	13.5	15.2
11.					16.8	17.3	13.0	11.2	12.9	10.0	15.2	13.5	17.5	13.3	4.2	4.0
12.									120.3	111.2	122.1	133.2	143.6	133.0	10.6	
13.								58.1	58.7	50.1	60.3	71.2	77.2	61.1	16.0	
14.									12.3	10.7	12.9	11.8	11.9			
15s.									41.1	37.8	46.9	46.7	49.0	39.3	9.7	
15d.									128.5	114.0	135.1	162.0	178.8	138.5	40.3	
16.									41.1	32.6	37.3	41.6	54.7	39.3	15.5	
17.										19.9	26.0	32.1	38.7	26.0	12.7	
18.										33.5	40.2	39.8	43.9	32.6	11.3	
19.										170.4	179.6	191.7	202.6	191.1	11.4	
20.														240.1		
21.											127.9	136.4	142.0			
22.												61.3	72.1	56.2	15.9	
23.												28.6	33.5	31.4	2.1	
24.												59.2	67.1	49.0	18.1	
25.													103.2	103.6	-4	
26.													114.3	80.5	33.8	
27.													54.3	47.4	6.9	
28.												148.1				
29.												111.0	74.4			
30.												117.3				
31.												229.0	203.8			
32.													122.2			

1. HQ Well Depth to Water



Depth to Water

12/2/22: 139.8 feet

1/2/23: 130.7 feet

Δ 9.1 feet

Depth to Water

12/2/23: 108.9 feet

1/2/24: 105.1 feet

Δ 3.8 feet

Preliminary Financial Report

Highlights as of December 31, 2023

Preliminary Budget Summary as of 12/31/2023

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	\$202,100	\$343,300	(\$141,200)
Property Taxes *includes Special Property Tax Assessment	\$1,543,200	\$2,586,400	(\$1,043,200)
IV Dam Hydro (less fees)	\$283,100	\$350,000	(\$66,900)
Other Revenue	\$666,800	\$1,456,700	(\$789,900)
<i>Shared Services Revenue</i>	<i>\$289,600</i>	<i>\$315,200</i>	<i>(\$25,600)</i>
<i>YSGA Reimbursements</i>	<i>\$136,900</i>	<i>\$250,000</i>	<i>(\$113,100)</i>
<i>Interest</i>	<i>\$138,200</i>	<i>\$120,000</i>	<i>\$18,200</i>
<i>Other (includes FEMA)</i>	<i>\$102,100</i>	<i>\$771,500</i>	<i>(\$669,400)</i>
TOTAL REVENUE	\$8,455,900	\$10,954,100	(\$2,498,200)

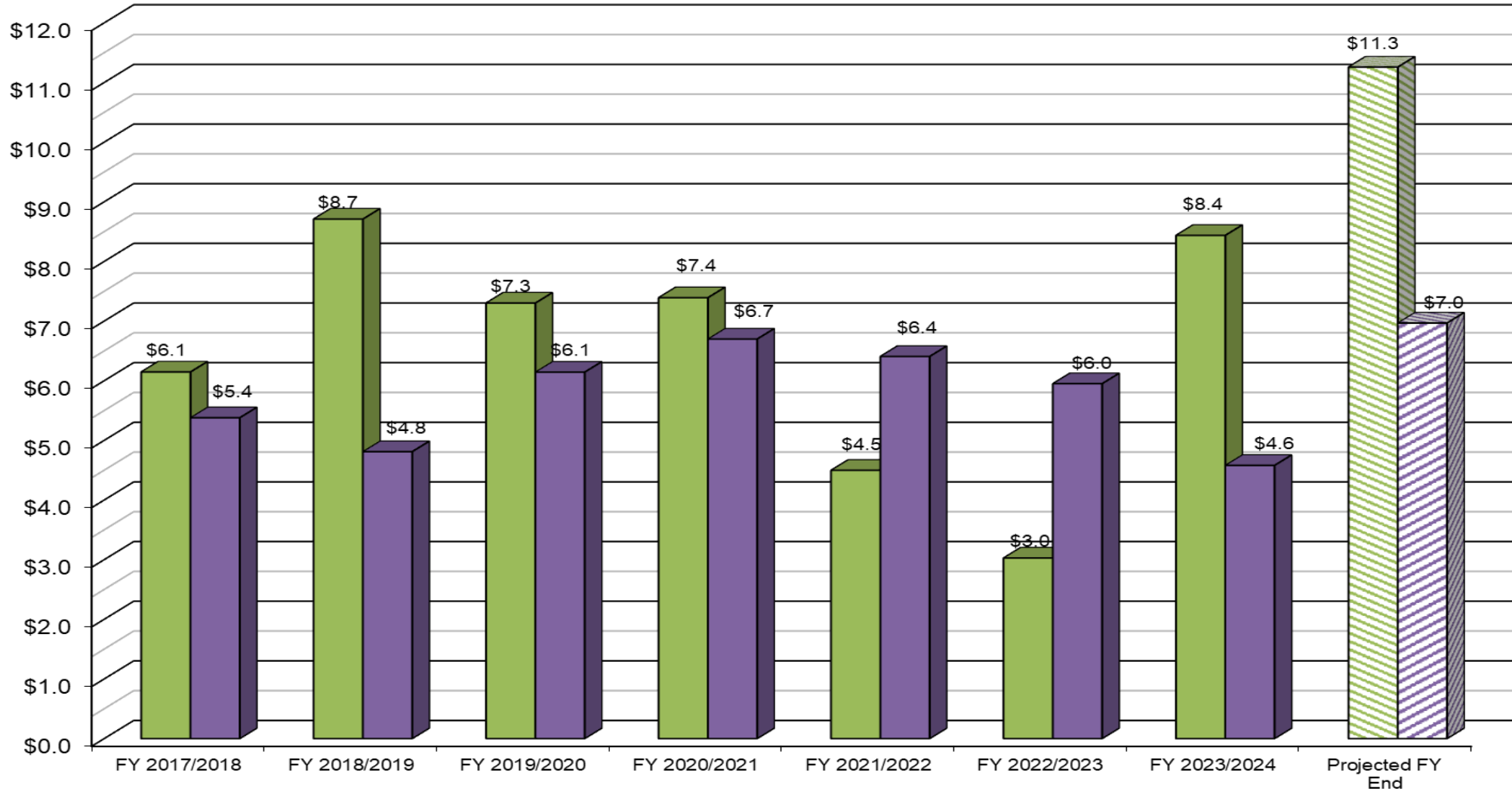
Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$993,900	\$1,343,100	(\$349,200)
General Administration	\$1,542,000	\$2,846,900	(\$1,304,900)
Other Expenses	\$2,044,600	\$3,451,900	(\$1,407,300)
TOTAL EXPENSES	\$4,580,500	\$7,641,900	(\$3,061,400)

Preliminary Financial Report

Comparison of Actual Revenue vs. Actual Expense

Original Budget
\$10.95 / \$7.6

Millions



■ Actual Revenue ■ Actual Expense

Preliminary Financial Report

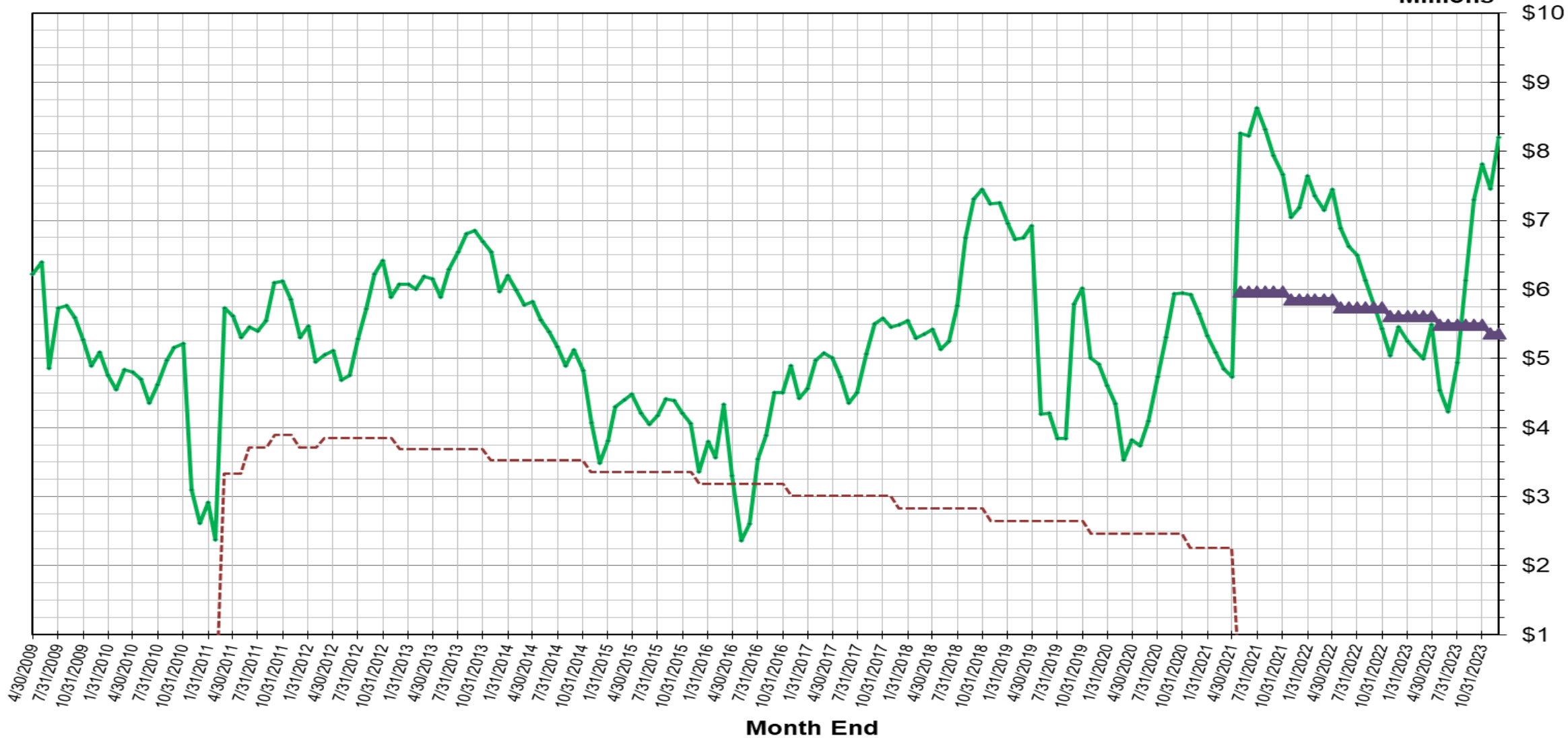
Cash History

— Total Cash & Investments

- - - SWRCB Loan Debt

▲ ZION BANK LOAN DEBT

Millions



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

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 on December 14, 2023
 - 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)

General Activities (December 6 – January 2)

PROJECTS:

- **Temporary Permit for Groundwater Recharge**
- **Assistant General Manager Interviews**
- **Automated Trash Rack Investigation**
- **Water Right Reporting Violations; and Appropriator Water Rights**
- **Voluntary Agreement 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**
- **2023 Storm Damage FEMA Reimbursement Process**
- **Outreach with various agencies on District's Recharge Program**
- **Capital Projects – small infrastructure projects**
- **Various Private Jobs**
- **Drought Assistance – water hauling coordination (Contract with Yolo County OES)**
- **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 6 – January 2)

OUTREACH:

1. China Slough Rehabilitation Project Meeting (December 6)
2. Salt Creek Pipeline Meeting (December 6)
3. Oat Creek Recharge Project Meeting (December 6)
4. NCWA Groundwater Management Task Force (December 11)
5. Meeting with Village Homes Davis (December 12)
6. YSGA: Dunnigan Water District Board Meeting (December 13)
7. YSGA: Yolo County Planning Commission Meeting (December 14)
8. ACWA SGMA Implementation Subcommittee (December 19)
9. YSGA: Facilitation Support Services Contract Meeting (Dec. 19)
10. YSGA: DCPC Meeting (December 20)
11. YSGA: CAFF Coordination Meeting (December 21)

Upcoming Meetings & Events

1. Yolo County Board of Supervisors: Well Permit Discussion (January 9)
2. Westside Sacramento IRWM Coordination Committee Meeting (January 10)
3. YSGA: Meeting with Supervisor Provenza (January 11)
4. YSGA EC Meeting (January 12)
5. YCFB Annual Meeting: 2024 Agriculturalist Tony Turkovich (January 18)
6. YSGA Board of Directors Meeting (January 22)
7. Yolo County Farm Bureau's Irrigated Lands Program (January 22-24)
8. California Irrigation Institute 2024 Conference (February 26-27)
9. ACWA Spring 2024 Conference (May 7-9)
10. 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 #63033-63043)

0000063033	\$46,093.92	ACWA / JPIA Employee Benefits					
			0701472 JAN 2024	1/1/24		1/2/24	46,093.92
					MONTHLY MEDICAL VISION LIFE EAP		
0000063034	\$14,687.47	ACWA / JPIA - Insurance Payments				1/2/24	
			WC 2023 QTR 4	12/22/23	WORKERS COMP QTR 2023-4		14,687.47
0000063035	\$3,803.51	Bartkiewicz Kronick & Shanahan				1/2/24	
			1650-0001 NOV 2023	12/6/23	GENERAL LEGAL		3,481.01
			1650-0010 NOV 2023	12/6/23	CLEAR LAKE LEGAL		238.75
			1650-0020 NOV 2023	12/6/23	DELTA ISSUES LEGAL		83.75
0000063036	\$3,693.03	Briggs Manufacturing				1/2/24	
			20221922	11/29/23	FLASHBD RISERS 30", WATERMAN GATE,C10 IN		2,586.33
			20221923	11/29/23	PO6794 18" ADS N-12 WT ASTM BELL & GASKT		798.37
			20221943	12/13/23	C10 INSERTS&COLLAR FOR 30", 18" ADS B&G		308.33
0000063037	\$18,350.29	 Davids Engineering, Inc.				1/2/24	
			1032.03-5986	12/8/23	SERVICES 7/1/23 - 11/30/23	<i>partially reimburseable</i>	18,350.29
0000063038	\$3,105.46	Double "M" Trucking Inc				1/2/24	
			75322	11/30/23	PO6795 HAULING 64.890 TNS		3,105.46
0000063039	\$4,448.50	Integral Networks, Inc.				1/2/24	
			32080	1/1/24	PO6806 COMPLETE MANAGED SERVICES		4,448.50
0000063040	\$5,300.75	MBK Engineers				1/2/24	
			13068	12/21/24	WATER RIGHT ASSISTANCE		1,993.75
			13069	12/21/23	5325.1 GW RECHARGE WAA	<i>Reimburseable</i>	3,307.00
0000063041	\$16,208.71	Nutrien Ag Solutions, Inc.				1/2/24	
			52976240	11/15/23	PO6843 PAYLOAD		3,651.86
			53078565	12/6/23	PO6843 PAYLOAD		4,382.24
			53107286	12/13/23	PO6843 CLEANTRAXX,LIBERATE,DIMENSION,PL		8,174.61
0000063042	\$29,609.00	Power Pros				1/2/24	
			2023225	12/15/23	PO6869 ELEC PREVENTATIVE MAINT IV312 SS		29,609.00
0000063043	\$24,758.45	Slate Geotechnical Consultants				1/2/24	
			2244	12/15/23	23-007-0 IVD SEEPAGE COLLECTION DESIGN		24,758.45

\$ 170,059.09

\$ 170,059.09

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