

YCFC&WCD BOARD OF DIRECTORS

December 6, 2022



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

Agenda Item #1

Adoption of the
November 1, 2022
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

Receive Update from Outreach Committee
on District's Implementation of an Alternative
Funding Mechanism

Plan to Recover
Infrastructure Funds &
Stabilize District
Finances

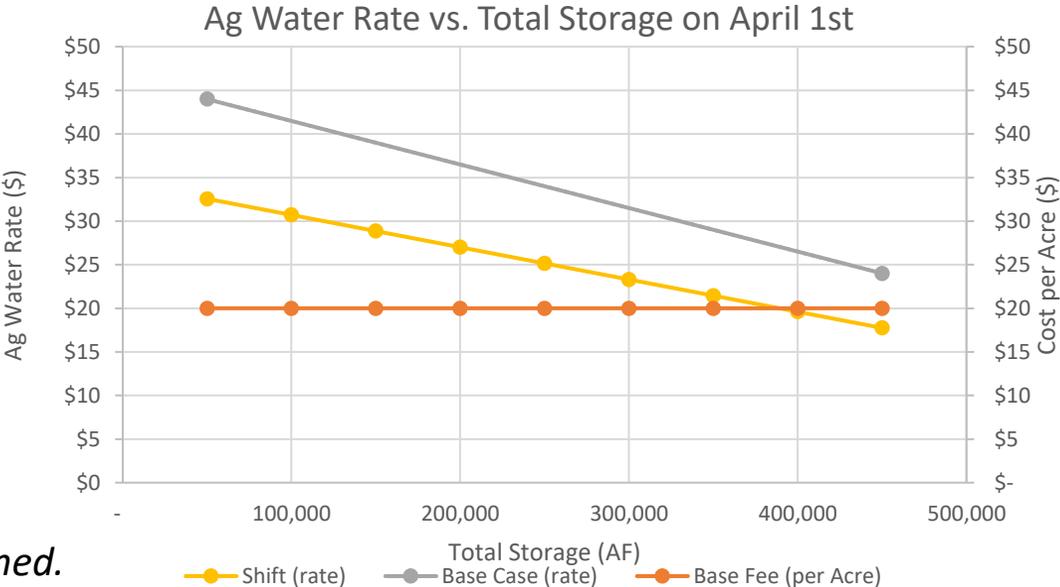


Groundwater is critical to agriculture worldwide. Rungroj Youbang/Shutterstock

Recommended Funding Structure

Improve revenue stability through three-prong structure:

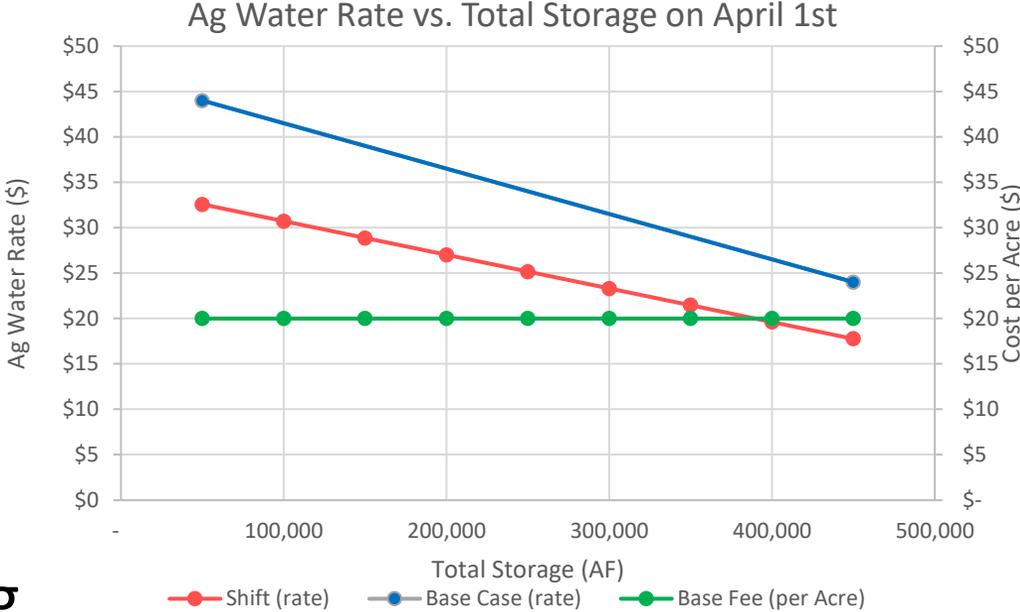
1. Fixed annual standby charge on property that can receive water from the District
 - Baseline revenue to align with annual costs incurred regardless of water supply conditions
2. Variable water rate fee based on current rate structure
 - Variable revenue aligned with variable expenses to deliver water
3. Groundwater charge
 - In-lieu, active, and passive recharge benefits



*NOTE: Rates are for qualitative comparison; range has not yet been determined.

Outreach Committee Update

- November 10 – First Focus Group Meeting
- December 13 – Second Focus Group Meeting



- Save-the-date: January 11 at 6 p.m.: First Public Outreach Meeting

Updated Schedule – Phase 2

- January 3, 2023: Presentation on Preliminary Engineer's Report
 - BOD Resolution of Prop. 218 Procedures
 - BOD Adopt Resolution of Intention
 - BOD Set Public Hearing for Special Benefit Ballot Tabulation (March 7, 2023)
- January 12-February 25, 2023: Special Benefit Balloting Period
 - January 11 and February 1 public outreach meetings
- March 7, 2023: Public Hearing for Assessment Adoption Determination
 - Tabulate ballots and certify results
 - Presentation of Draft COS Study (w/ or w/o assessment)
 - BOD Acceptance of COS Study
 - BOD Set Public Hearing for Setting New Volumetric Rate (May 2, 2023)
- May 2, 2023: Presentation on Final Cost-of-Service Study
 - BOD Adopt and Publish New Water Rates

Agenda Item #5

Directors' Reports

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

- i. Outreach Committee Meeting with Focus Group (November 10)
- ii. ACWA Fall Conference (November 28-December 1)
- iii. NCWA Board Meeting and Groundwater Meetings, Winter Water Rights Committee Meeting and Meeting with Karla Nemeth to Discuss VA Conceptual Proposal and (November 2, 10, 17, and 21)

Agenda Item #6

Attorney's Reports

Report on Legal Matters of Concern to the District

- i. Annual BKS New Laws Report

Agenda Item #7

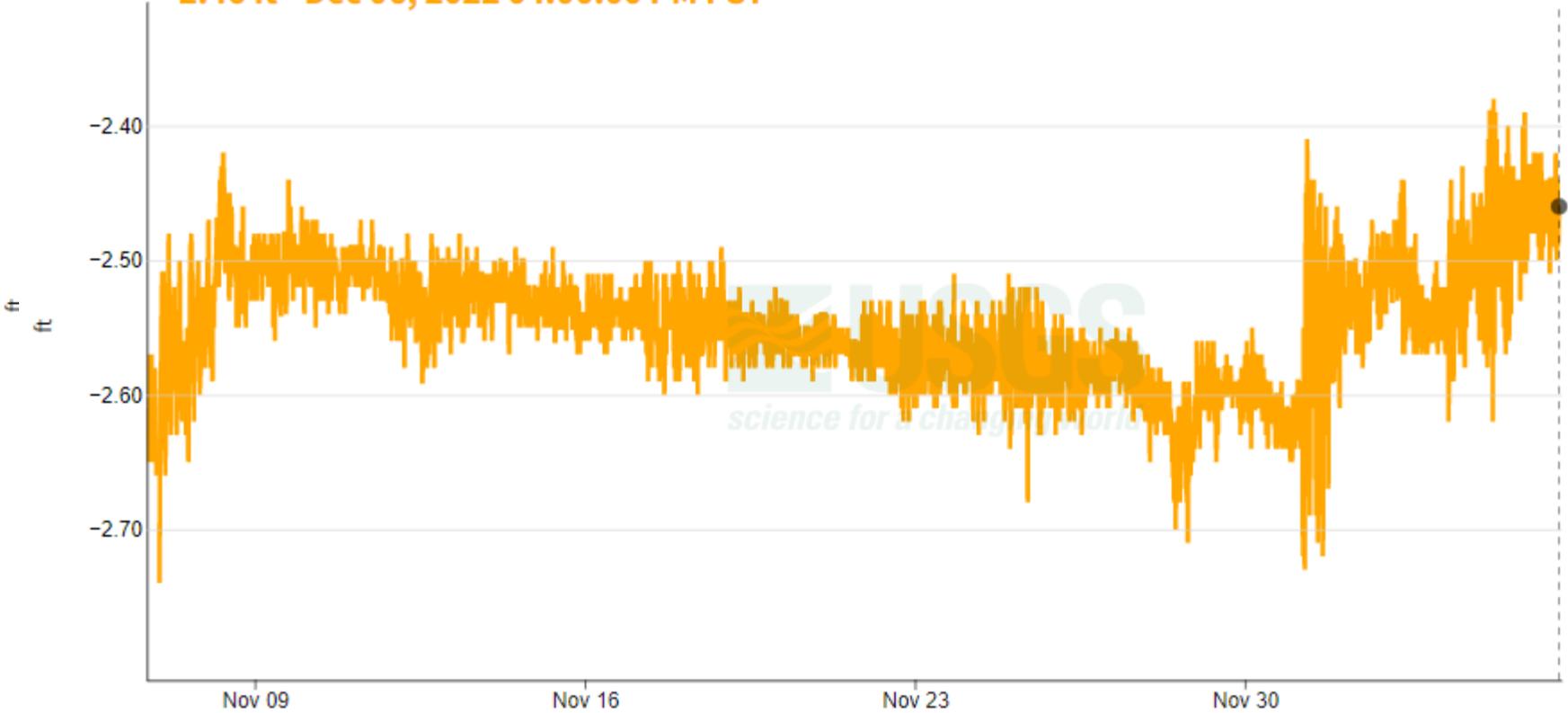
General Manager's Report

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

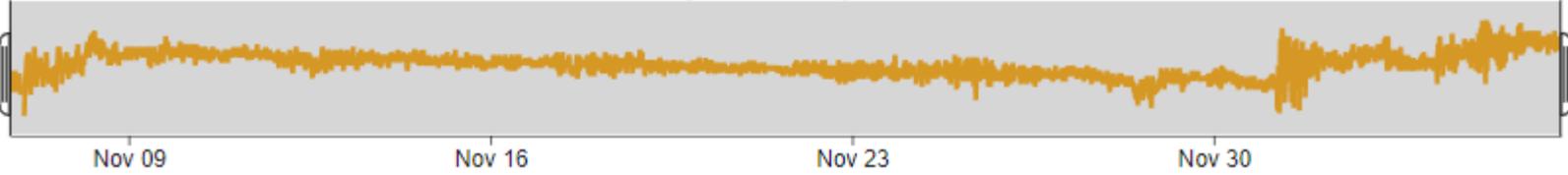
Current Water Conditions (12-06-22)

	<u>Elevation</u>	<u>Available</u>	<u>2021</u>
Clear Lake			
• December 6	-2.51'	0 AF	-1.38' (0 AF)
• November 6	-2.62'	0 AF	
• Total Gain	0.11'	0 AF	
Indian Valley Reservoir			
• December 6	1,389.10'	44,160 AF	1,368.97' (24,480 AF)
• November 6	1,389.52'	44,650 AF	
• Total Loss	-0.42'	-490 AF	

-2.46 ft - Dec 06, 2022 04:00:00 PM PST



drag handles to change timeframe



- Current: — Provisional
- Action stage - - - 8 ft
- Minor flood stage — 9 ft
- Moderate flood stage - - 11.9 ft
- Major flood stage — 12 ft

- Compare to last year
- Display median

7 days 30 days 1 year

30-day summary

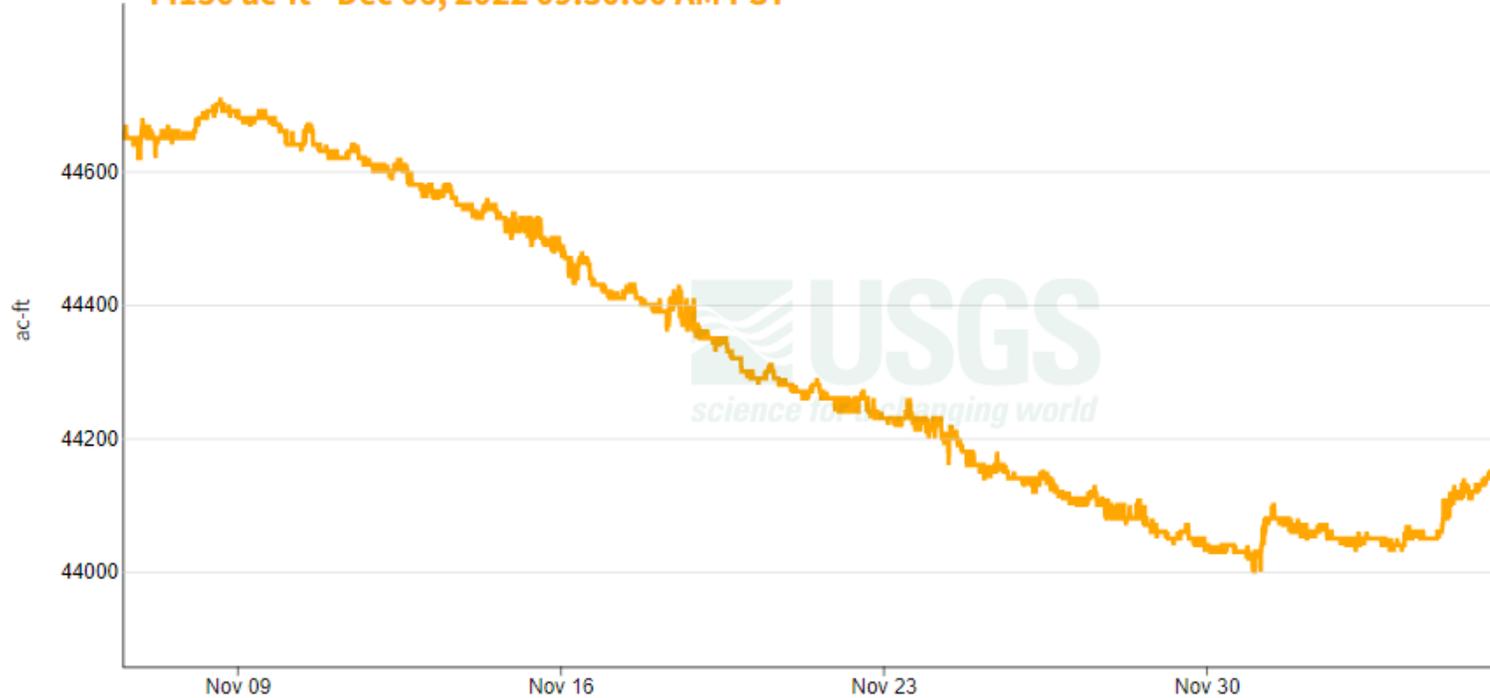
Change time span

↓ Retrieve data

Indian Valley Reservoir storage

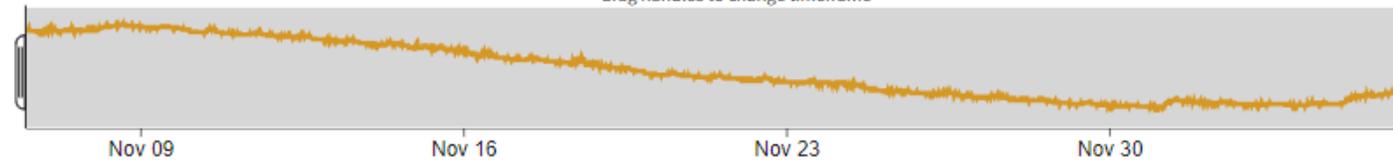
Reservoir storage, acre-ft ⓘ

44150 ac-ft - Dec 06, 2022 09:30:00 AM PST



drag handles to change timeframe

drag handles to change timeframe



Current: — Provisional

Compare to last year

Display median

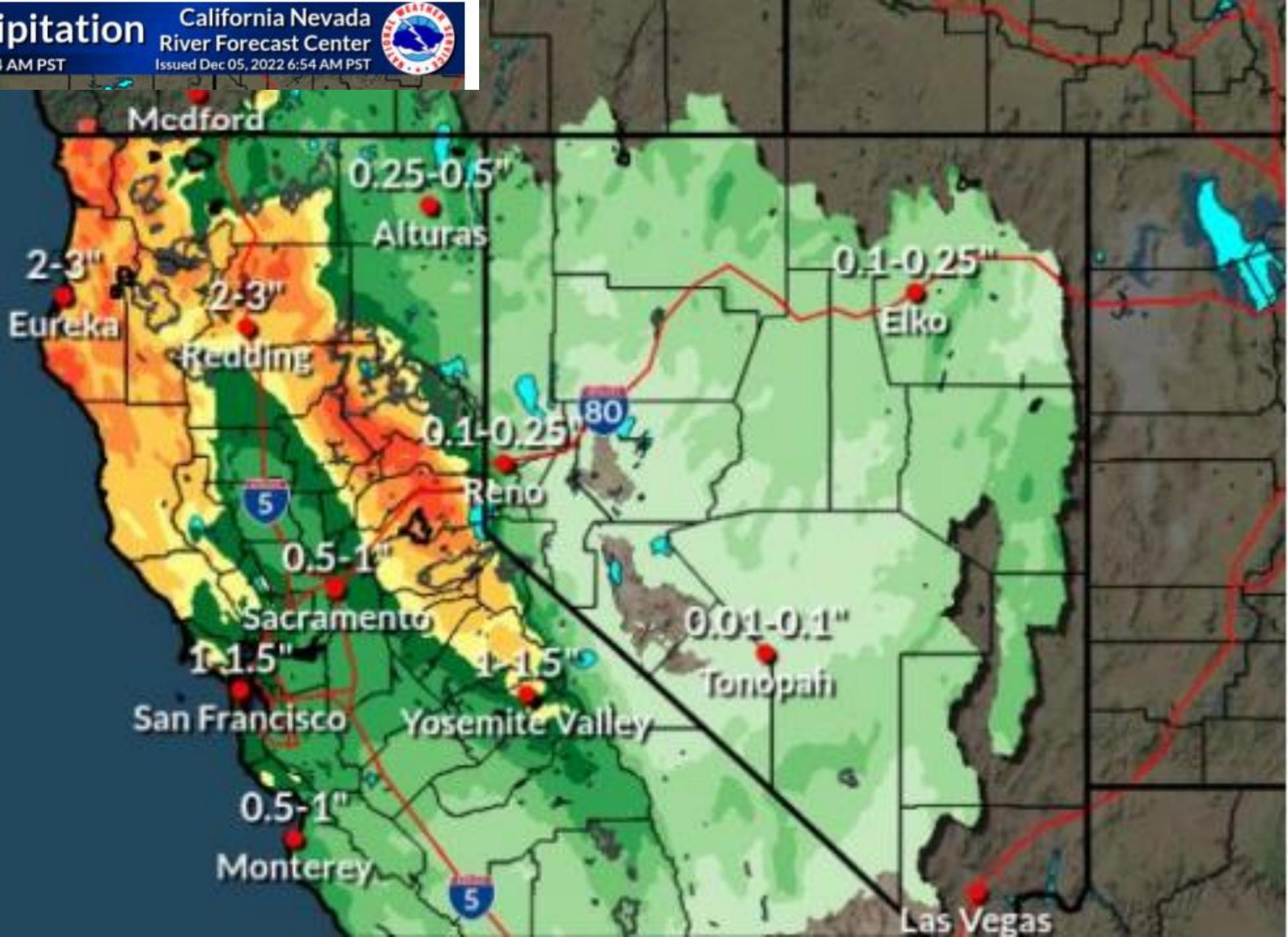
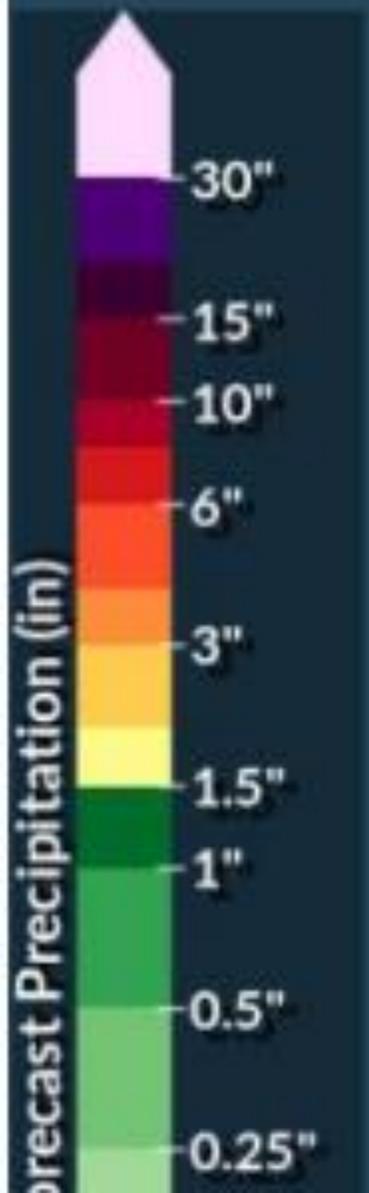
IMPORTANT Data may be provisional - [learn more](#)

6-Day Forecast Precipitation

California Nevada
River Forecast Center
Issued Dec 05, 2022 6:54 AM PST



Mon Dec 5, 2022 4 AM PST to Sun Dec 11, 2022 4 AM PST



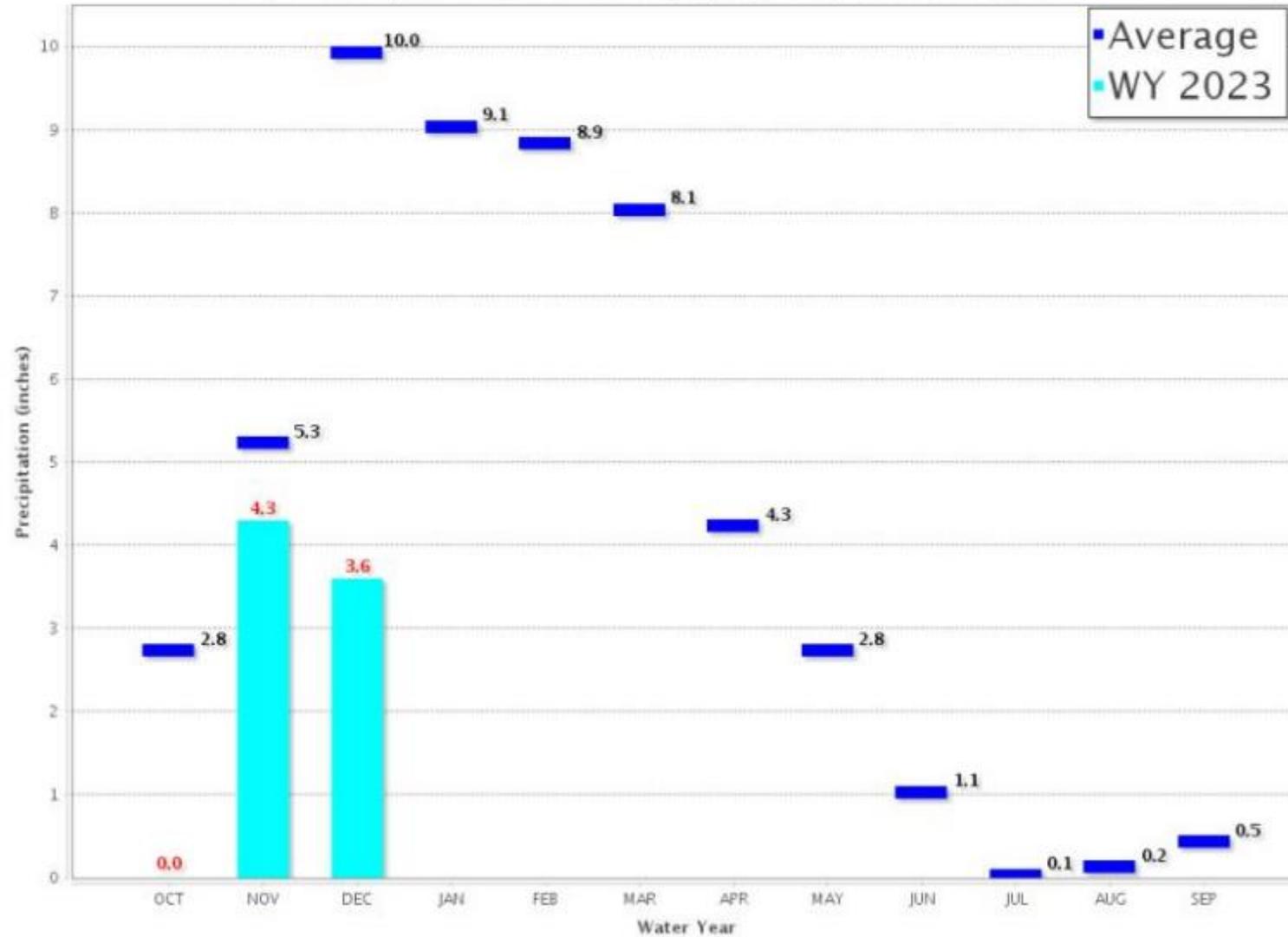


Northern Sierra 8-Station

Precipitation Index for Water Year 2023 - Updated on December 5, 2022 09:48 AM

Note: Monthly totals may not add up to seasonal total because of rounding

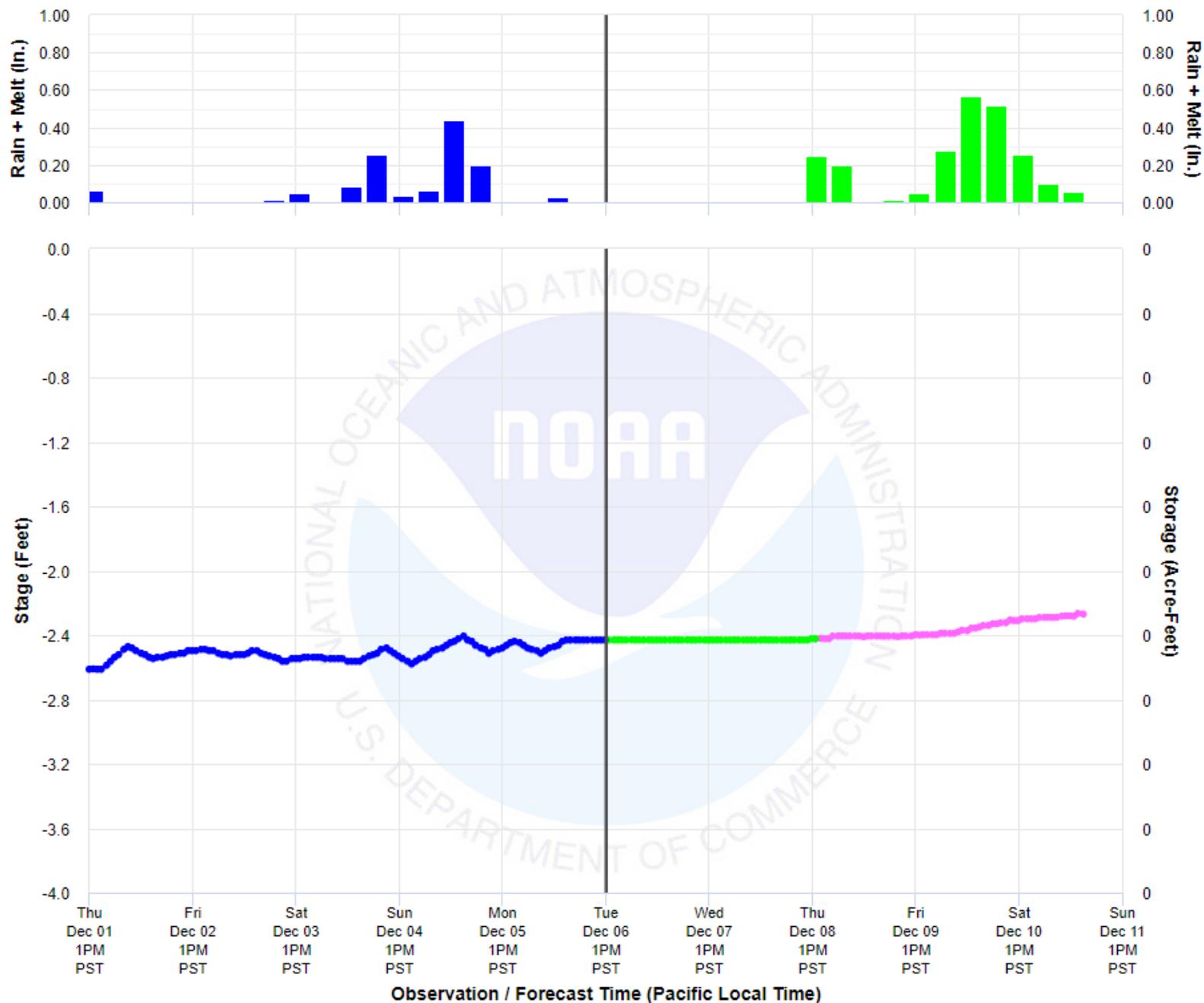
Water Year Monthly totals are calculated based on Daily precipitation data from 12am to 12am PST



Clear Lake - Lakeport (CLKC1)

Reservoir Forecast Plot

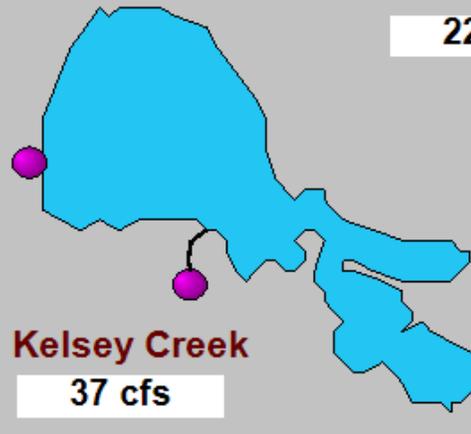
Forecast Posted: 12/06/2022 at 1:42 PM PST • Graphic Created: 12/06/2022 at 1:53 PM PST



Watershed View

Clear Lake

-2.46 ft



Kelsey Creek

37 cfs

NF of CC

22 cfs

Indian Valley Reservoir

Releasing

10 cfs

Res. Level

1,389.10 ft

Storage

44,160 acft

Bear Creek

4 cfs

Cache Creek Dam

Releasing

0.0 cfs

Pond Level

-8.00 ft

Storage

0 acft

Rumsey Bridge

18 cfs

2 fnu

Yoche Dehe

0.0 cfs

0.00 ft

Yolo

0 cfs

0 fnu

Capay Dam

Pond Level

-0.44 ft

Winters

0 cfs

West Adams

asleep

Salisbury Spill

Settling Basin

0 cfs

Woodland

Legend

SCADA Site



USGS Gage

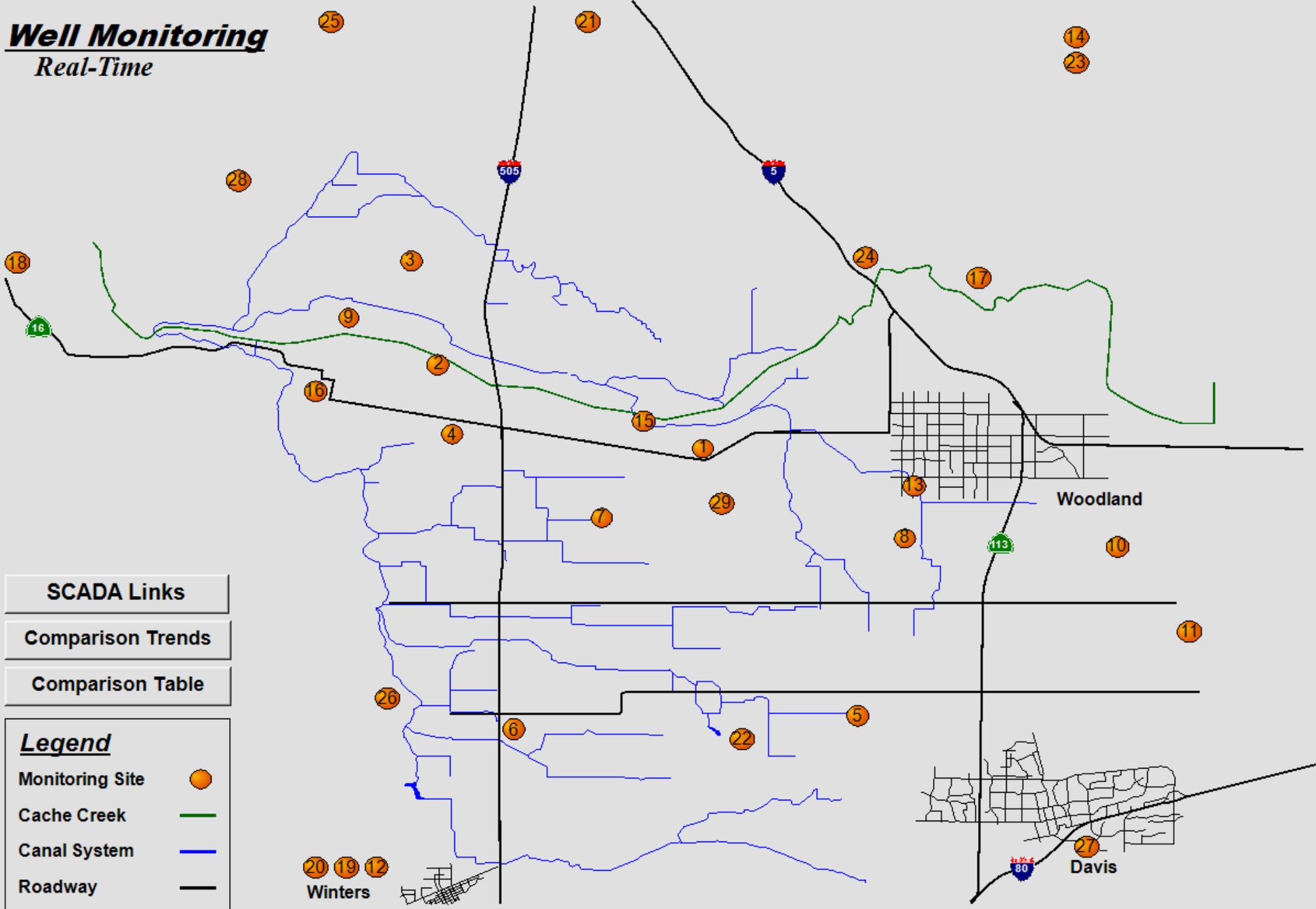


SCADA Control Site



SCADA Links

Well Monitoring Real-Time



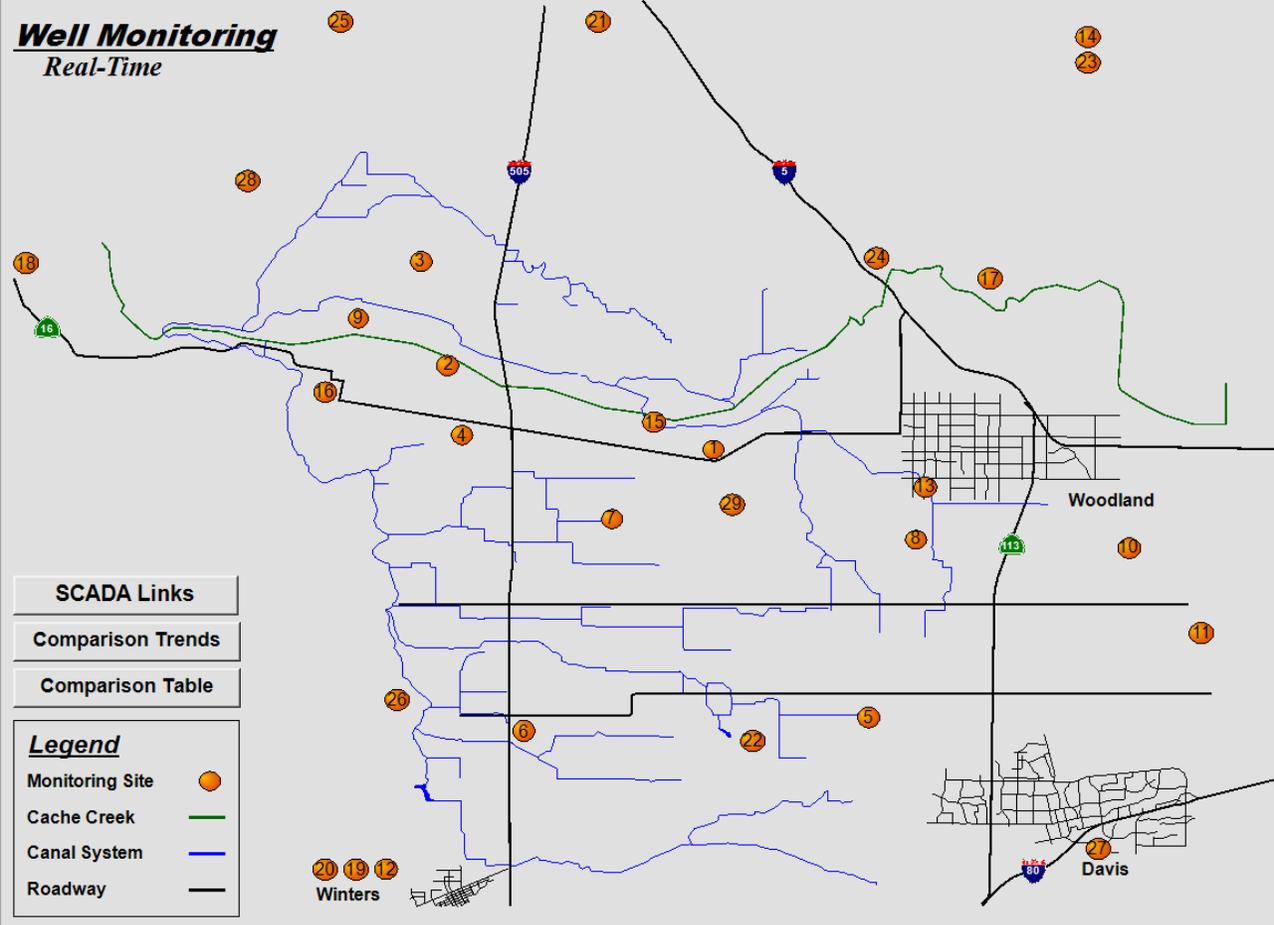
- SCADA Links
- Comparison Trends
- Comparison Table

Legend

- Monitoring Site 
- Cache Creek 
- Canal System 
- Roadway 

Well Monitoring

Real-Time



Well Monitoring

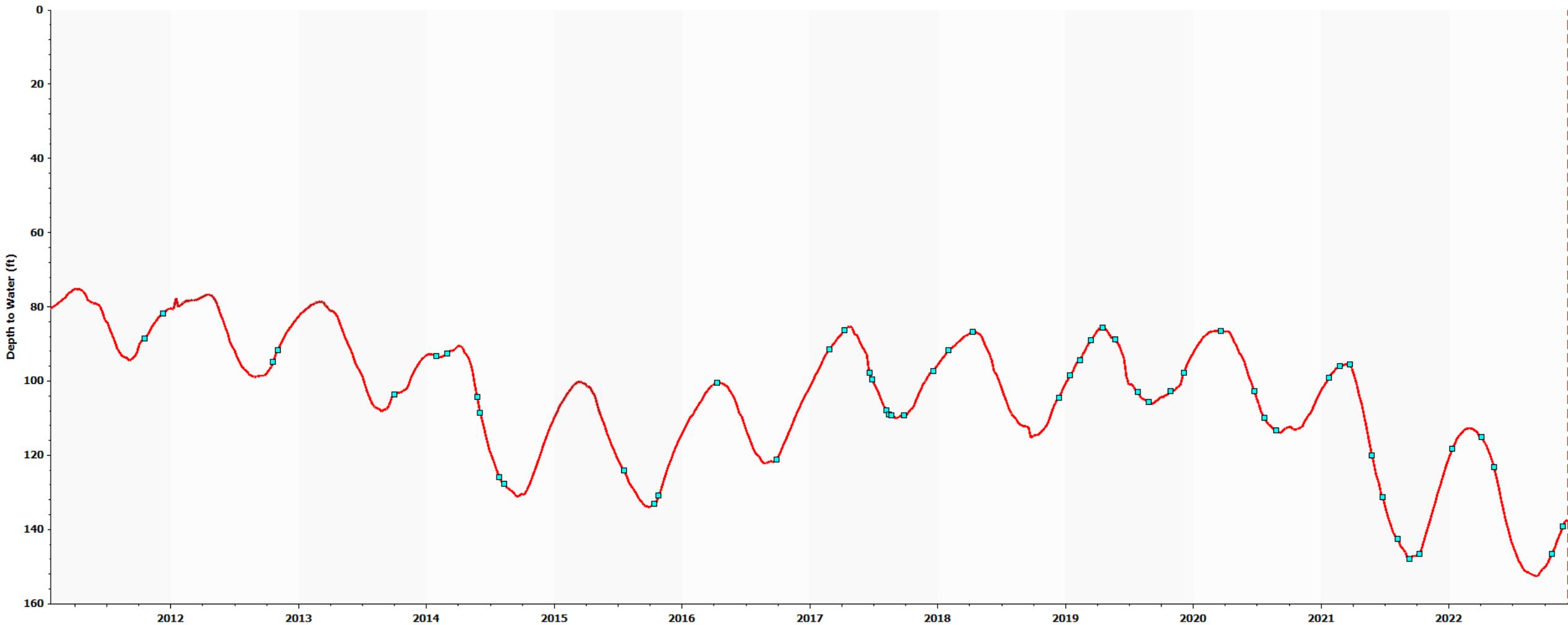
Depth to Water Historical Comparison

(Daily Average DTW in feet)

Well	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	Δ 2021 - 2022	Δ 2015 - 2022	
1.	86.0	82.7	86.7	96.9	117.7	121.8	107.8	99.5	107.1	99.5	108.9	130.5	137.7	-7.2	-15.9	
2.	33.4	29.5	31.2	37.0	50.8	49.8	37.5	30.4	32.1	31.0	32.7	44.2	57.6	-13.4	-7.8	
3.	45.5	38.2	42.8	50.1	72.0	68.5	54.0	39.4	43.5	39.9	43.6	62.7	79.4	-16.6	-10.8	
4.	30.5	25.9	26.2	32.7	47.3	46.9	34.2	26.6	27.8	27.3	32.9	40.6	52.6	-12.0	-5.7	
5.		20.2	24.0	27.9	36.3	39.5	37.9	25.7	28.5	21.2	30.1	37.6	44.6	-7.0	-5.1	
6.		35.5	35.0	44.7	53.4	56.4	43.1	31.5	37.1	31.1	38.9	51.2	62.2	-11.0	-5.8	
7.			20.4	20.4	38.9	41.6	27.5	22.0	23.9	21.1	28.9	38.8	44.5	-5.7	-2.9	
8.				50.5	69.7	71.3	63.6	48.0	51.0	40.3	51.1	65.7	75.3	-9.6	-4.0	
9.					74.4	71.2	53.9	40.5	43.5	41.9	45.5	64.8	80.4	-15.6	-9.2	
10.					40.8	46.3	33.5	20.9	26.6	17.9	31.8	35.1	43.4	-8.2	2.9	
11.					20.1	20.0	14.9	11.8	15.2	12.5	16.8	17.4	21.2	-3.8	-1.2	
12.										114.2	125.8	136.7	146.8	-10.1		
13.									65.5	53.7	71.0	76.7	90.4	-13.7		
14.									12.5	12.4	13.1	15.0	16.7	-1.7		
15s.									41.7	38.2	47.5	48.0	49.9	-1.9		
15d.									135.4	127.1	154.0	176.5	194.8	-18.3		
16.										36.3	38.0	44.3	56.9	-12.6		
17.										20.9	25.7	34.0	38.6	-4.6		
18.										37.9	53.8	55.6	57.1	-1.6		
19.										173.4	182.9	195.2	205.9	-10.7		
20.																
21.																
22.											120.6	128.3	137.6	141.9	-4.3	
23.													69.8	82.5	-12.7	
24.													33.5	39.3	-5.8	
25.													63.0	69.7	-6.7	
26.														103.3		
27.														117.0		
28.														57.2		
29.														138.8		
														121.3		

----- Working on a replacement -----

1. HQ Well Depth to Water



Depth to Water

11/6/21: 140.4 feet

12/6/21: 130.5 feet

Δ 9.9 feet

Depth to Water

11/6/22: 145.1 feet

12/6/22: 137.7 feet

Δ 7.4 feet

CLIMATE & ENVIRONMENT

As a sacred minnow nears extinction, Native Americans of Clear Lake call for bold plan



<https://www.latimes.com/environment/story/2022-12-06/a-minnow-sacred-to-some-native-americans-nears-extinction>

Preliminary Financial Report

Highlights as of November 30, 2022

Preliminary Budget Summary as of 11/30/2022

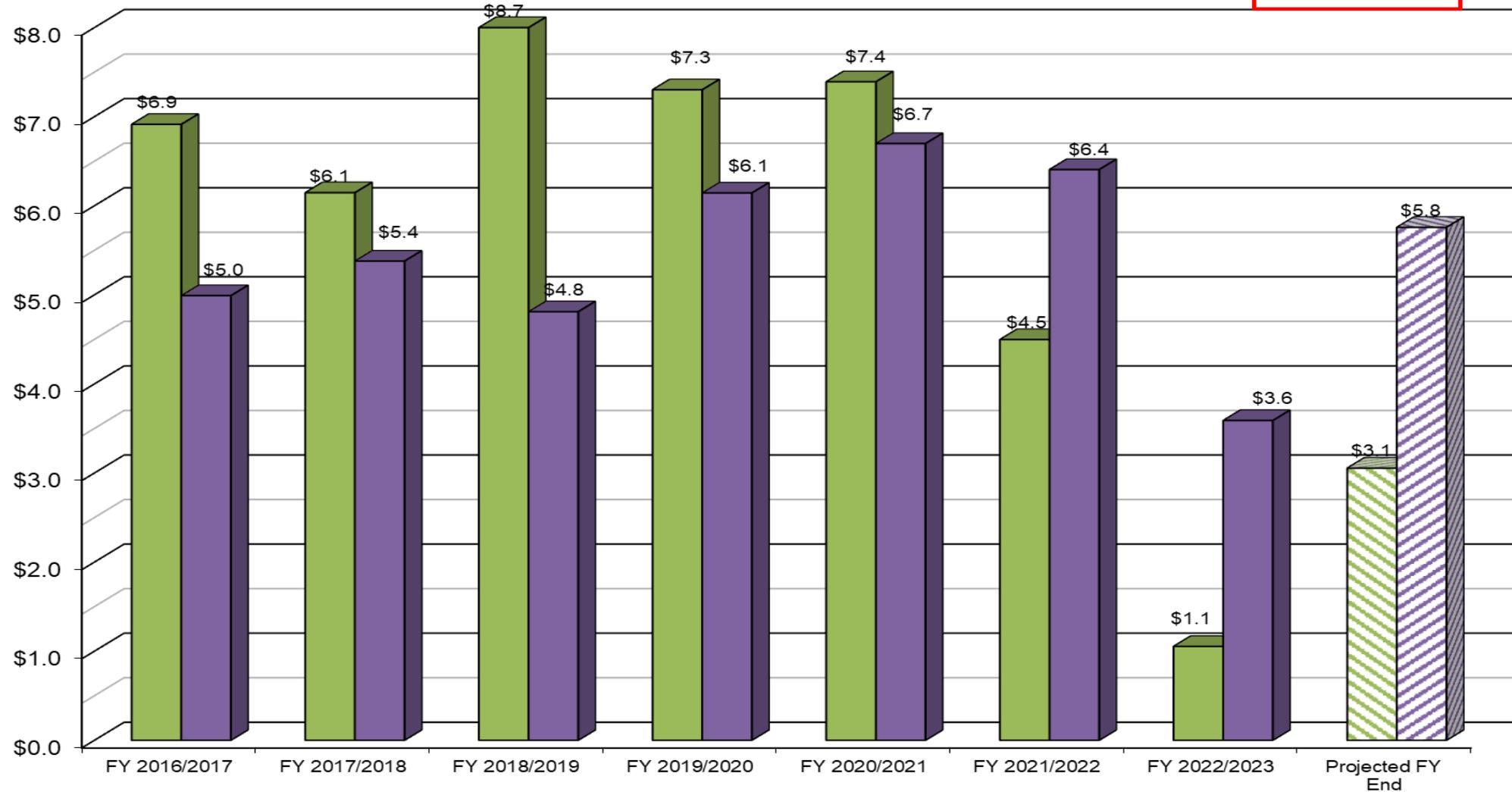
Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$68,100	\$84,500	(\$16,400)
Non-Agricultural (M&I) Water Sales	\$146,400	\$334,200	(\$187,800)
Property Taxes	\$194,800	\$1,657,600	(\$1,462,800)
IV Dam Hydro (less fees)	\$0	\$0	\$0
Other Revenue	\$644,600	\$716,000	(\$71,400)
<i>Shared Services Revenue</i>	<i>\$376,900</i>	<i>\$300,000</i>	<i>\$76,900</i>
<i>YSGA Reimbursements</i>	<i>\$123,400</i>	<i>\$275,000</i>	<i>(\$151,600)</i>
<i>Interest</i>	<i>\$38,000</i>	<i>\$20,000</i>	<i>\$18,000</i>
<i>Other</i>	<i>\$106,300</i>	<i>\$121,000</i>	<i>(\$14,700)</i>
TOTAL REVENUE	\$1,053,900	\$2,792,300	(\$1,738,400)
Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$450,600	\$1,060,200	(\$609,600)
General Administration	\$1,401,300	\$2,147,200	(\$745,900)
Other Expenses	\$1,737,900	\$2,652,700	(\$914,800)
TOTAL EXPENSES	\$3,589,800	\$5,860,100	(\$2,270,300)

Preliminary Financial Report

Comparison of Actual Revenue vs. Actual Expense

Original Budget
\$2.8 / \$5.9

Millions

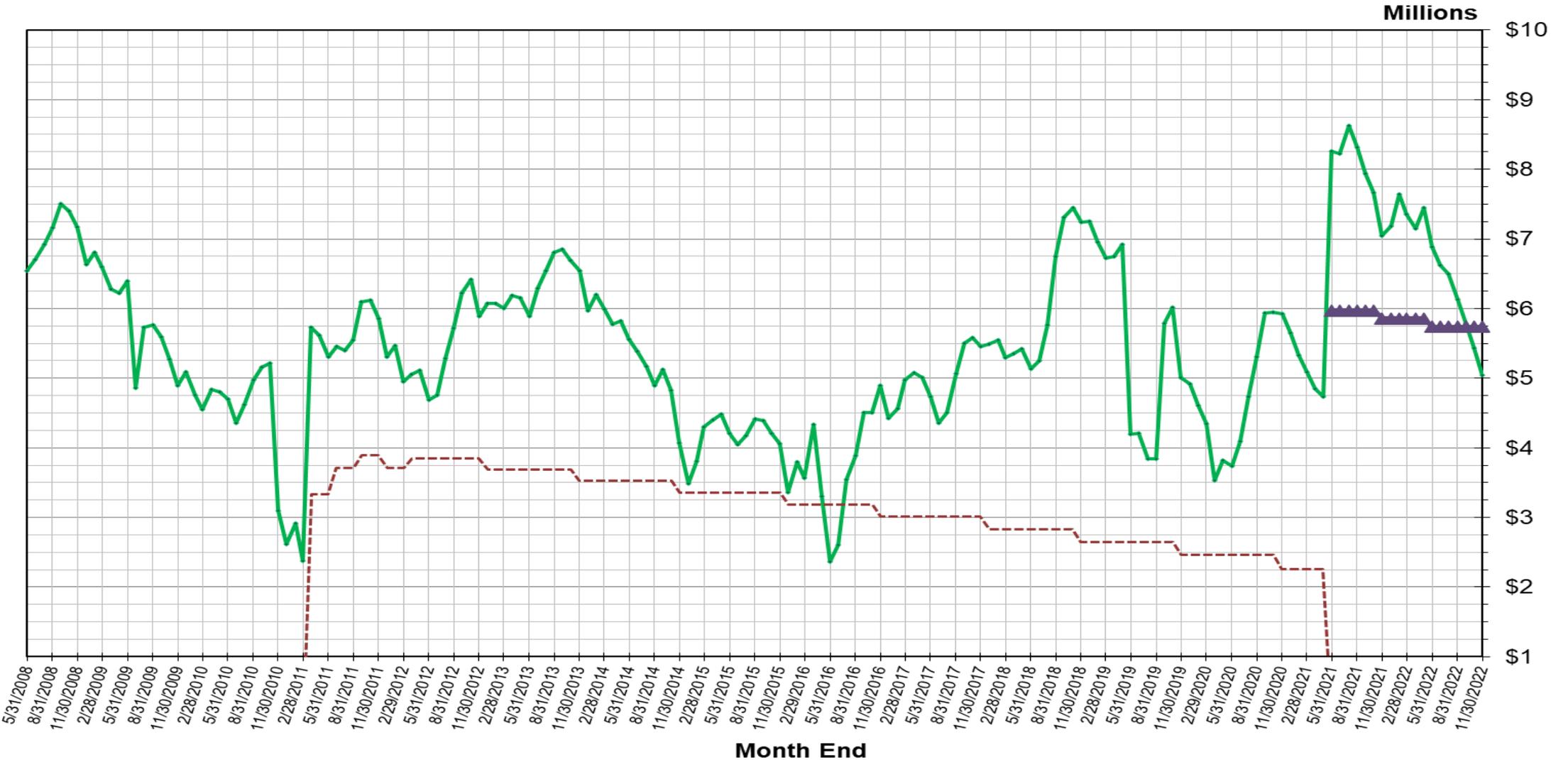


Actual Revenue Actual Expense

Preliminary Financial Report

Cash History

— Total Cash & Investments - - - SWRCB Loan Debt ▲ ZION BANK LOAN DEBT



Capital Improvement Program

Planning for Capital Jobs

Capay Dam Bladder Replacement Project

FY 22/23 Planning Activities Related to Large Capital Jobs

Hungry Hollow Canal – Pipeline Extension Project





Hungry Hollow Canal Check Relocation and Enhancement (HUH0263)





Hungry Hollow Canal Check Relocation and Enhancement (HUH0263)



Hungry Hollow Canal Check Relocation and Enhancement (HUH0263)





Hungry Hollow Canal Check Relocation and Enhancement (HUH0263)



Hungry Hollow Canal Check Relocation and Enhancement (HUH0391)

General Activities (November 2-December 6)

PROJECTS:

- **LWA Cost-of-Service Study and Engineer's Report for Revenue Restructuring**
- **Drought Assistance – Dry well checks (Contract with Yolo County OES)**
- **Appropriator Water Rights**
- **Indian Valley Reservoir: Cybersecurity Plan**
- **Voluntary Agreement Process/Dry Year Scenario Planning**
- **Training and Initial Phases of Automated Payroll Project and Website Revamping Project**
- **Project Development for Grant Opportunities (Review of Solicitation Packages)**
- **YSGA – Project Development; Outreach; Well Permitting Procedures; GSP Grant Management; Groundwater Monitoring Program Improvements; Grant Opportunities; Neighboring Subbasin Coordination; Grey Area Projects and Outreach**
- **Maintenance on Canal System and Various Private Jobs**
- **Creek Spraying for CCC and Chipper Program for Yolo RCD**
- **Capital Projects – small infrastructure projects and USBR WaterSMART Grant**
- **Weed Management (MERCOSA, NDM and Wild Wings CSAs, Madison and Knights Landing CSDs)**
- **Shared Services: Cacheville CSD (part-time GM), SCWA, private jobs, spraying, etc.**
- **Wild Wings CSA and Madison/Knights Landing/Cacheville CSDs Groundwater Assistance and Drought Contingency Planning**
- **Encroachment Permits, Easement Research, Misc. Water Rights Investigations**

General Activities (November 2-December 6)

OUTREACH:

1. VCE / District Coordination Meeting (November 2)
2. Meeting with County to Discuss Modified Technical Well Procedures (November 2)
3. Planning for the China Slough Rehabilitation Project (November 8)
4. DWR's GSA Forum (November 9)
5. YSGA Executive Committee Meeting (November 9)
6. YSGA/YCFB Coordination Meeting (November 9)
7. Yolo County Financial Oversight Committee Meeting (November 10)
8. District Focus Group Meeting (November 10)
9. Sacramento River Basin Coordination Discussion, SGMA Grant Funding (November 10)
10. Water Data Consortium Cross-Pilot Water Accounting Platform Coordination Meeting (November 14)
11. Water Resources / Drought Symposium Planning (November 15)
12. ACWA Region 4 Board Meeting (November 17)
13. Highway 16 Flooding Solutions Meetings (November 18)
14. Meeting with Sonoma Water to Discuss Groundwater Recharge Permit Process (November 18)
15. Meeting with DWR to Discuss Potential VA Contribution (November 21)
16. YSGA: Board of Directors Meeting (November 21)
17. ACWA Fall Conference: Groundwater and Water Management Committees, Region 4 Board, and Groundwater Recharge Meeting (Nov. 28-Dec. 1)
18. Coordination Meeting with TNC and Dunnigan Water District to Prepare for NGO Tour in North Yolo MA (December 2)
19. Interbasin Coordination Meeting with Solano GSA (December 5)

YSGA UPDATE

YSGA 2022 Q4 Activities

- GSP 2023 Annual Report
- Well Permitting Process: Update on County's Process
- GSP Implementation
 - Management Area Advisory Committees
 - Consideration of Revenue Mechanisms
 - Prioritizing Projects / Preparing Grant Applications
- Ad Hoc Drought Task Force Meetings (SB 552: Drought/Water Shortage Planning)
- NCWA's GSA/NGO Tour in North Yolo Management Area (December 8, 2022)
- YSGA Board of Directors Meeting
 - Regular Meeting January 9, 2023

Upcoming Meetings & Events

1. Preparation for Revenue Assessment Focus Group Meeting ([December 7](#))
2. NCWA's GSA/NGO Tour in North Yolo Management Area ([December 8](#))
3. Yolo OES Dry Well Response Workshop ([December 9](#))
4. NCWA Groundwater Task Force Meeting ([December 12](#))
5. Cross-Pilot Water Accounting Platform Coordination Meeting ([December 12](#))
6. Revenue Re-Evaluation Focus Group Meeting ([December 13](#))
7. YSGA: Executive Committee Meeting ([December 14](#))
8. RD 108 Board of Directors Meeting ([December 15](#))
9. Staff Luncheon ([December 21](#))

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 #61816-61829)

Agenda Item #10

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 #11

Adjourn