

YCFC&WCD BOARD OF DIRECTORS

September 3, 2024



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

Farming for Our Future: Solutions
from the Fields



CENTER FOR
LAND-BASED LEARNING



Farming for our Future

SOLUTIONS FROM THE FIELDS

<https://vimeo.com/959228185>

<https://vimeo.com/video/919455121>

Agenda Item #5

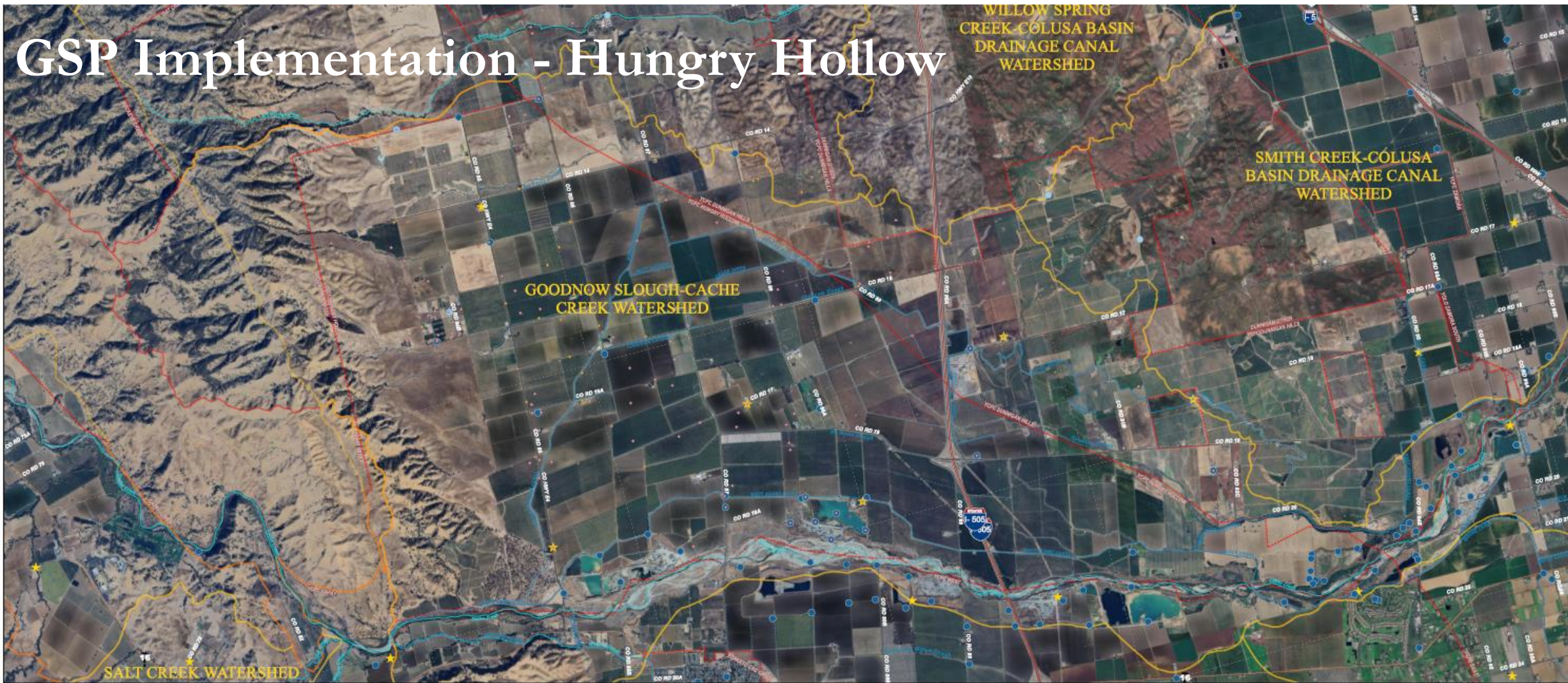
YSGA Update

GSP IMPLEMENTATION

GSP Implementation – Modeling Updates

- ◆ Managed Wetland group convened & gathering data
 - ◆ Representatives from local, state, federal, NGOs
 - ◆ Data about location, size, & management of wetlands
- ◆ Incorporated YCFC and DWD recharge projects
- ◆ Next: solicit input on ET & applied water assumptions

GSP Implementation - Hungry Hollow



Hungry Hollow Area Map

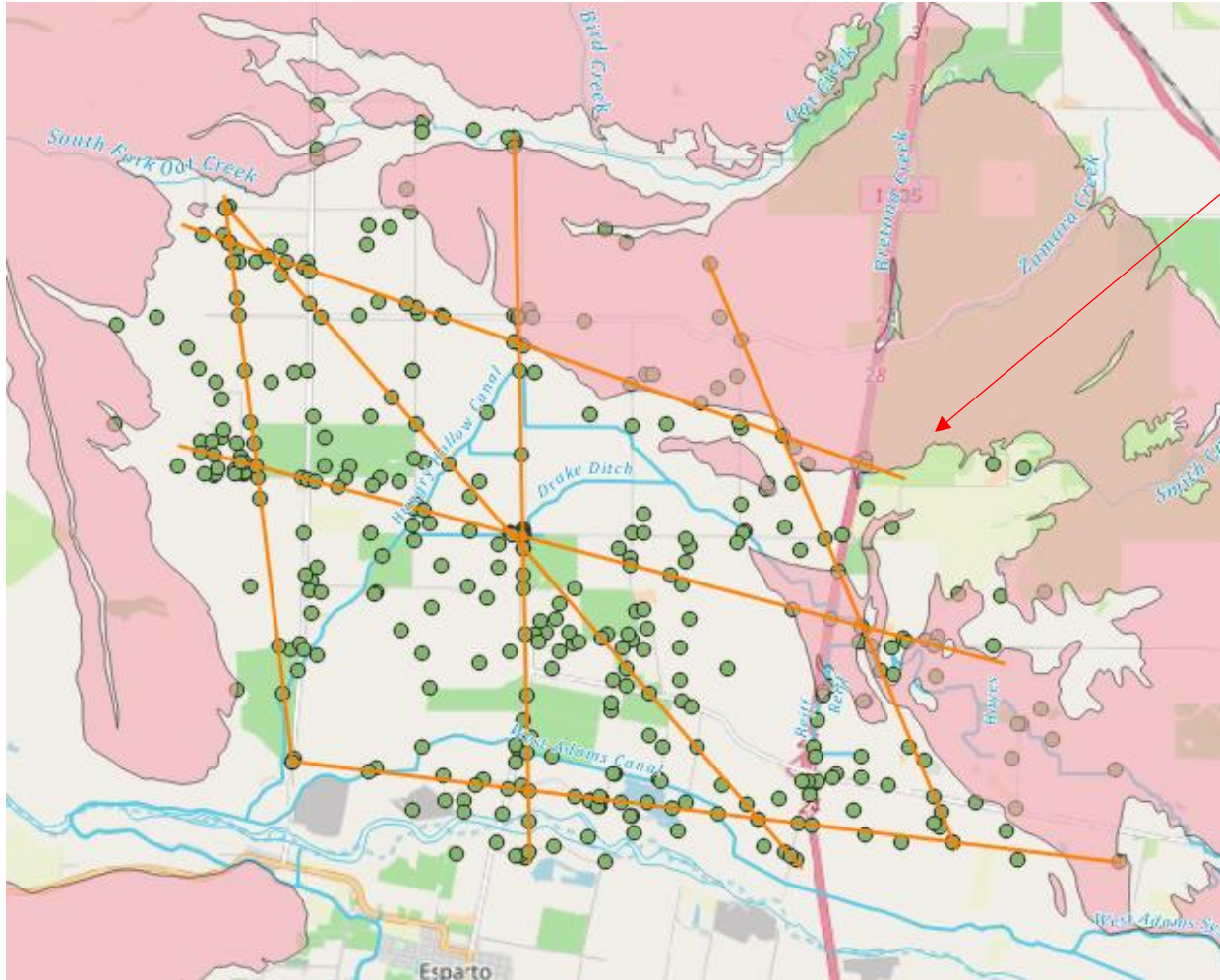
For Community Meeting
June 24, 2024

Monitoring Network <ul style="list-style-type: none"> ● Periodic Monitoring ★ Representative Well ● Newly Added Wells 	Located Well Logs <ul style="list-style-type: none"> ● Drilled pre-2000 ● Drilled post-2000 	<ul style="list-style-type: none"> ■ HUC 12 Watersheds ■ YSGA Model Catchments — Creeks — Canals — sloughs
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Yolo Subbasin Groundwater Agency - 34274 State Hwy 16 - 530-662-3211 - www.yologroundwater.org

Hungry Hollow Groundwater Working Group Update



- YSGA Staff are currently working on:
 - developing geologic/hydrogeologic cross sections
 - Updating the aquifer parameters for the model
 - identifying PMAs
 - exploring additional data collection opportunities

YCFC&WCD WINTER
RECHARGE
PROGRAM

YCFC&WCD Recharge Updates

- 2025 Temporary Permit application submitted in August.
- MBK Engineers has initiated the water availability analysis for long-term application & expected to be submitted by end of 2024.
- Working with Sustainable Conservation to identify farm fields that can be flooded during the winter months for recharge.

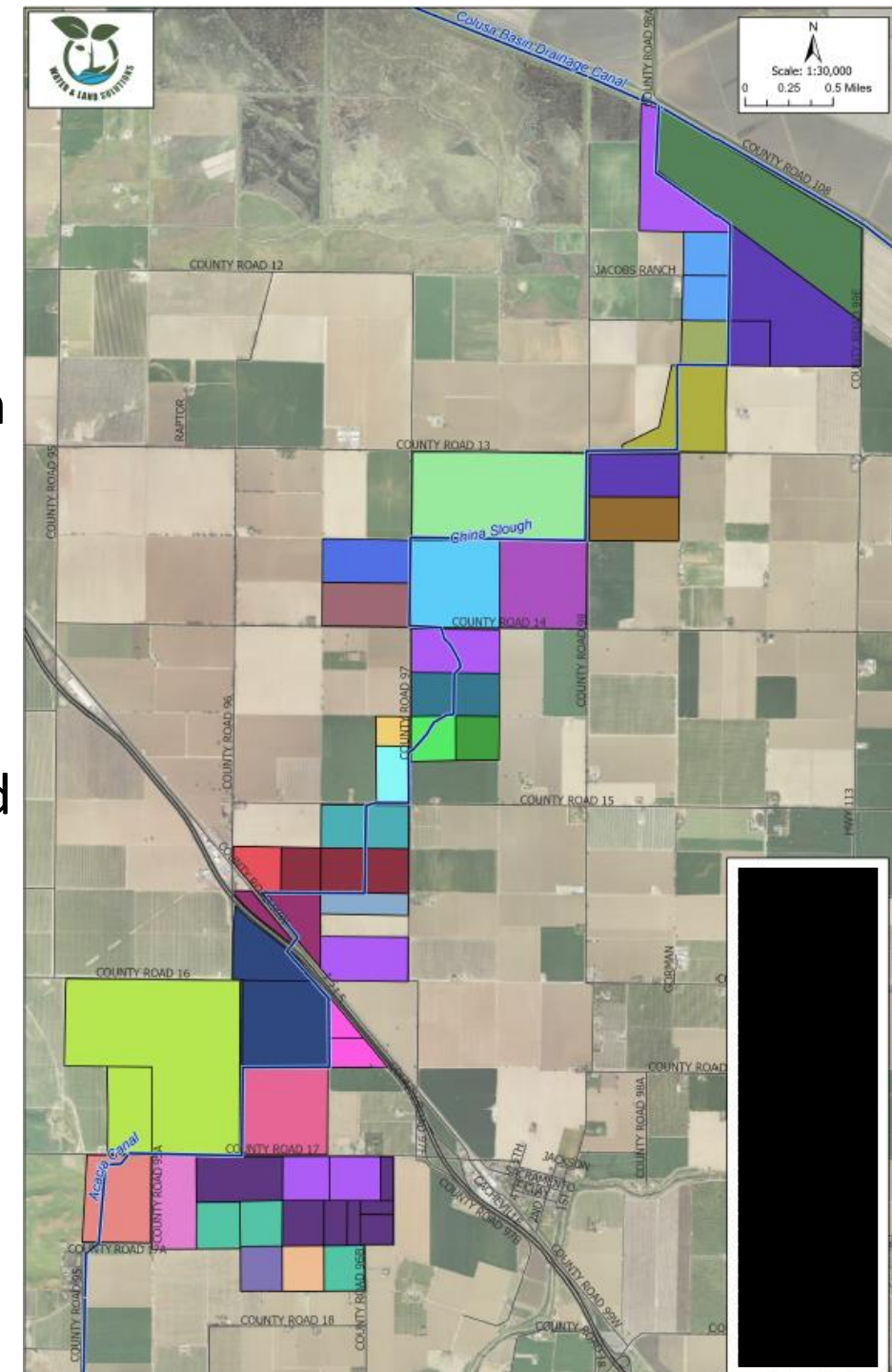


CITY OF WINTERS
FEASIBILITY STUDIES

YOLO-ZAMORA RECHARGE PROJECT

Yolo-Zamora Recharge Project

- **Project Objective**: Divert up to 2,000 AFY of excess Cache Creek storm flows to support on-farm and slough recharge in Yolo-Zamora area
- Consultant completing landowner interviews
- Numerous landowners interested
- Landowner workshops held on Aug 13 and 27. Landowners are interested in the project exploring all alternatives beyond rehabilitation and on-farm recharge immediately within the vicinity of the slough to make a positive impact on groundwater levels over the long-term.
- Water availability analysis expected to begin in September



DUNNIGAN AREA
RECHARGE
PROGRAM

Agenda Item #6

Directors' Reports

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

- i. NCWA Meetings
- ii. Outreach on Proposed Bay-Delta Plan Amendments/HRLP
- iii. Strategic Plan Committee Meeting (August 29)

Agenda Item #7

General Manager's Report

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

Current Water Conditions (09-03-24)

	<u>Elevation</u>	<u>Available</u>	<u>2023</u>
Clear Lake			
• September 3	3.01'	37,140 AF	3.33' (22,784 AF)
• August 3	4.14'	55,330 AF	
• Total Difference	-1.13'	-18,190 AF	
Indian Valley Reservoir			
• September 3	1,465.12'	225,800 AF	1,442.51' (152,800 AF)
• August 3	1,468.61'	238,200 AF	
• Total Difference	-3.49'	-12,400 AF	

Reservoir Releases:

Cache Creek Dam: 323 cfs

Indian Valley Reservoir: 10 cfs

- West Adams Canal Diversions: 132 cfs
- Winters Canal Diversion: 185 cfs

Facility	Precipitation (10/1/23 – 9/3/24)
Cache Creek Dam	28.47"
Indian Valley Reservoir	32.04"
Headquarters	19.40"

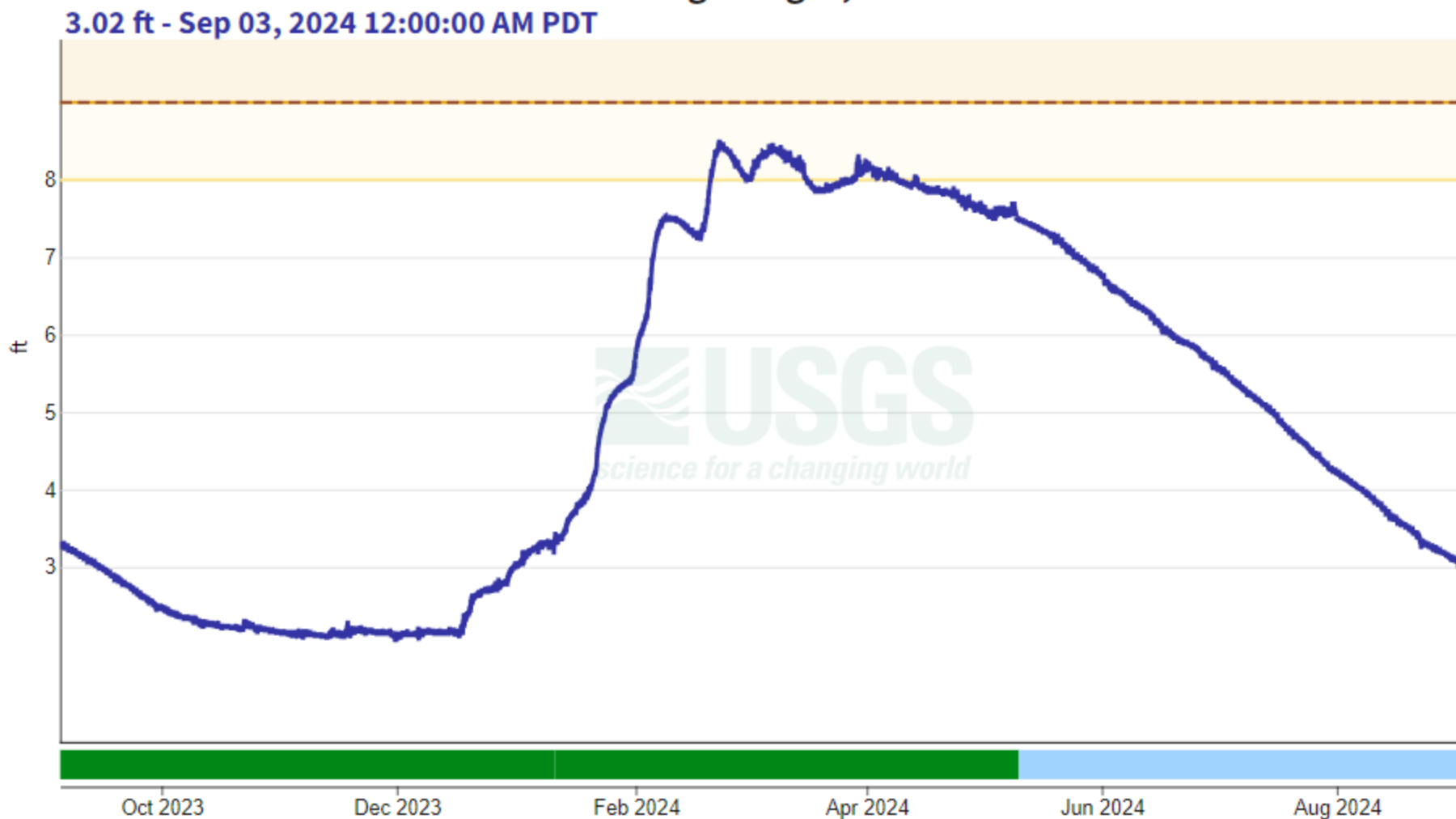
7 days 30 days 1 year

Scale

Clear LK a Lakeport CA - 11450000

September 4, 2023 - September 3, 2024

Gage height, feet



7 days 30 days 1 year

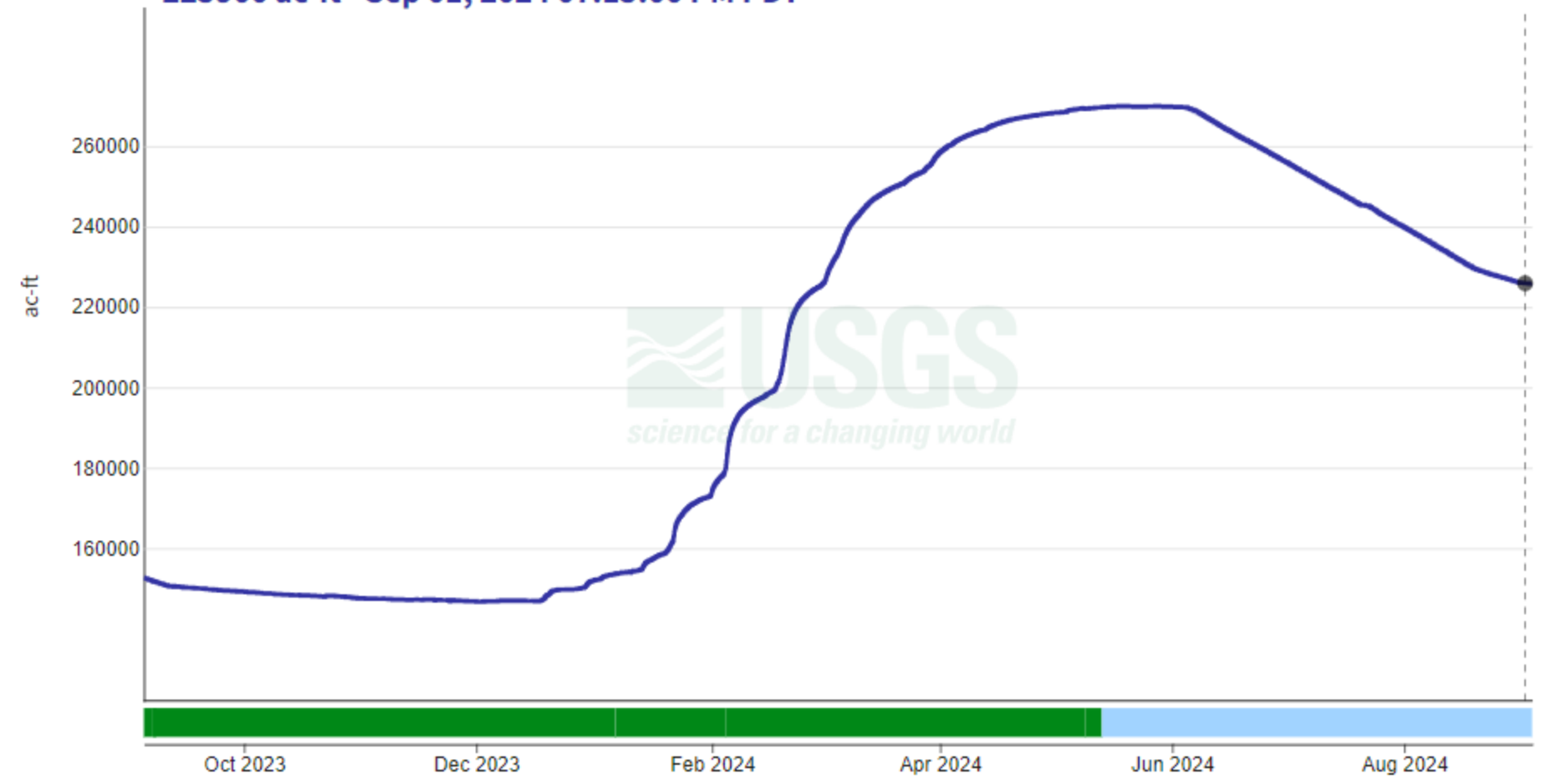
Scale

Indian Valley Res a Clearlake Oaks CA - 11451290

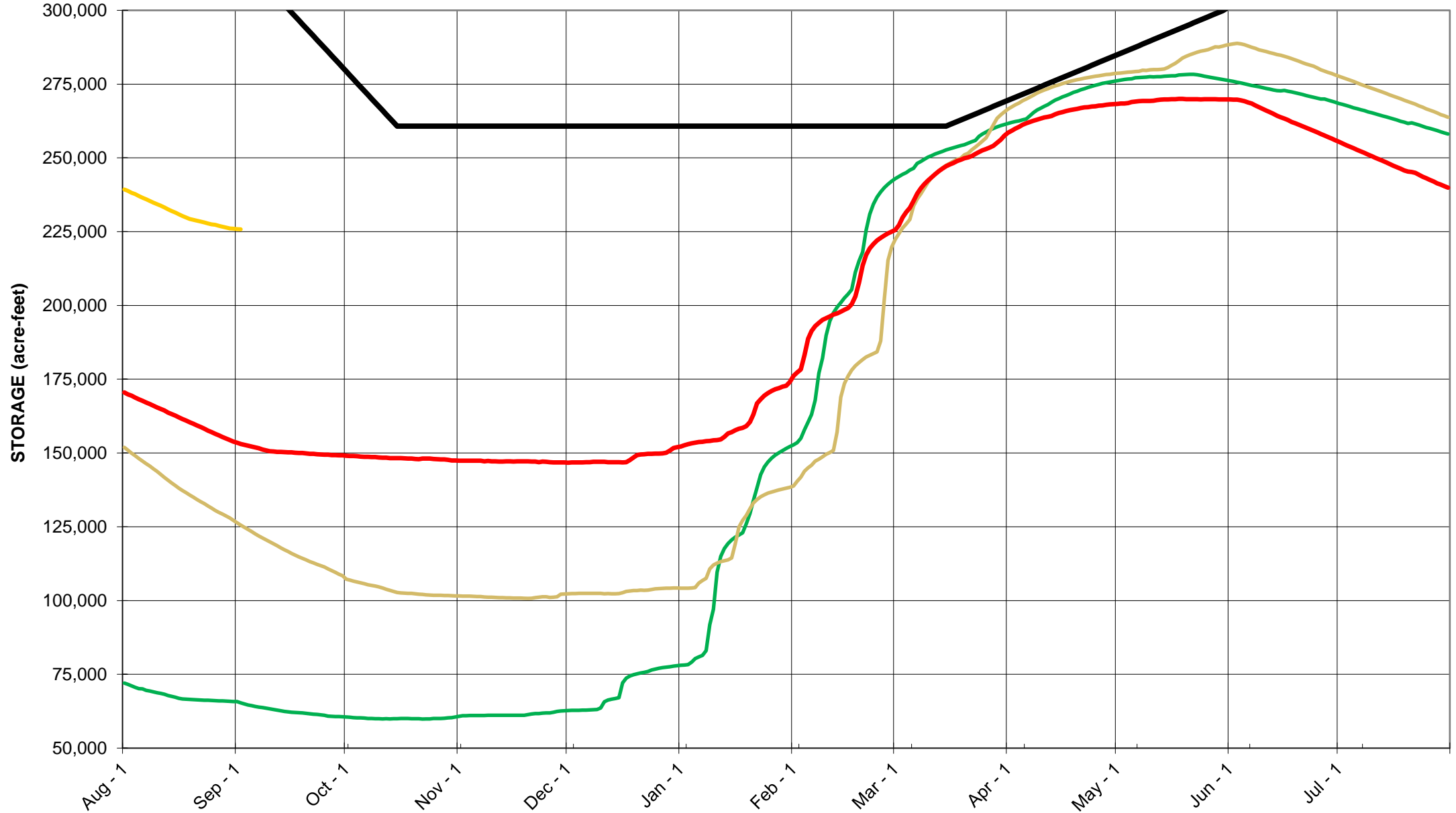
September 4, 2023 - September 3, 2024

Reservoir storage, acre-feet

225900 ac-ft - Sep 01, 2024 07:15:00 PM PDT



INDIAN VALLEY RESERVOIR Storage & Flood Control Diagram



— Storage and Flood Control Curve

— 2016-2017

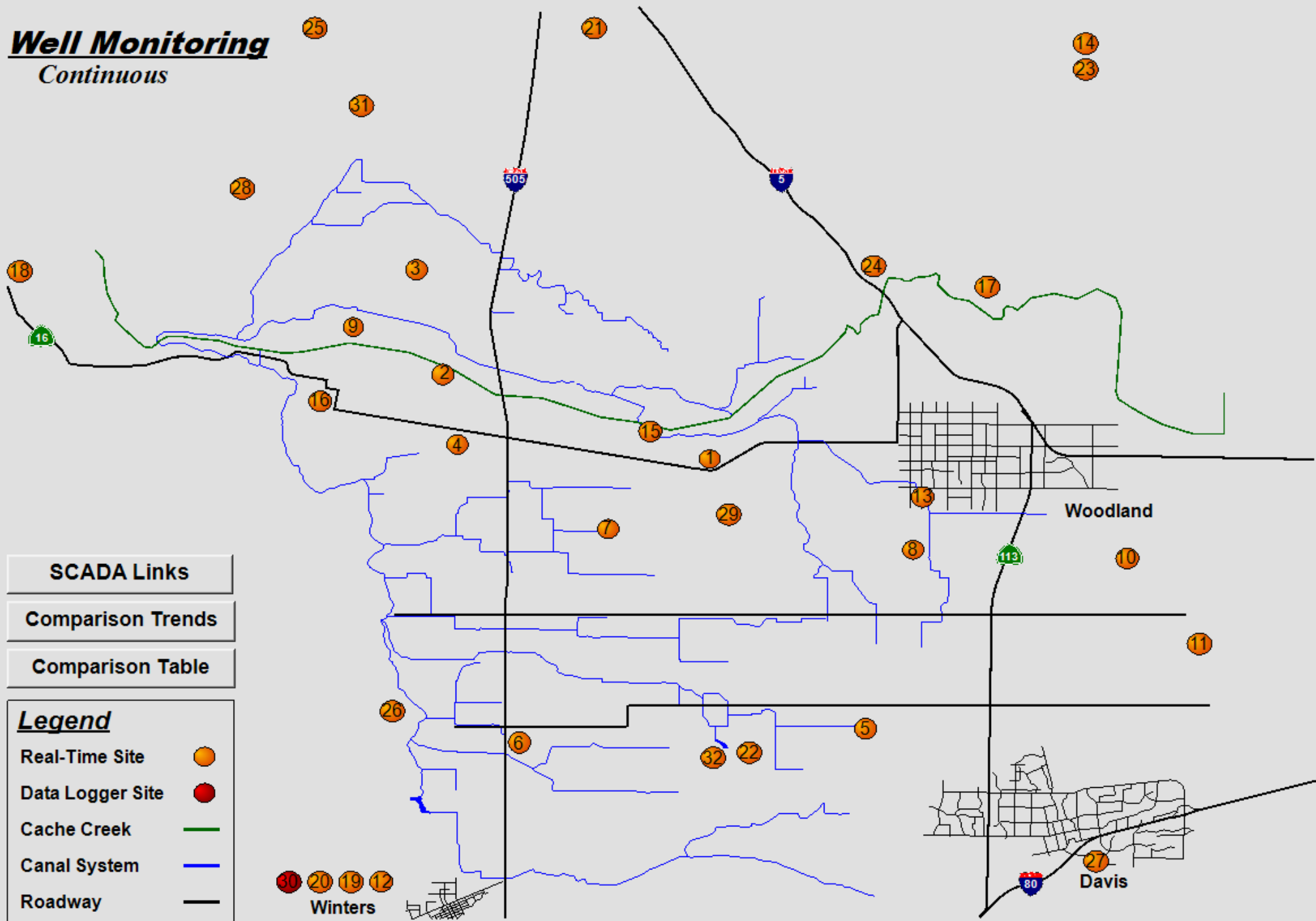
— 2018-2019

— 2023-2024

— 2024-2025

Well Monitoring

Continuous



SCADA Links

Comparison Trends

Comparison Table

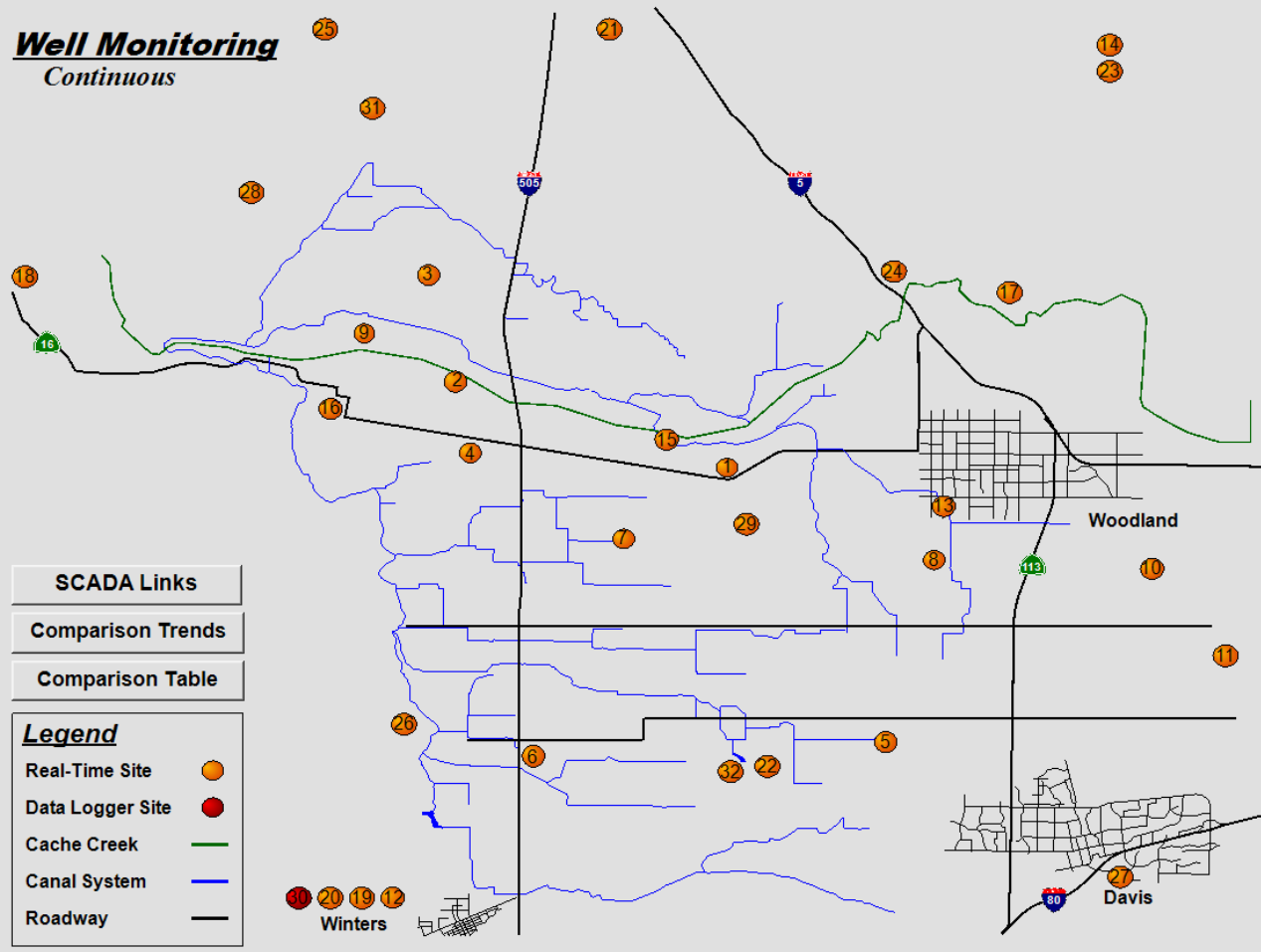
Legend

Real-Time Site	●
Data Logger Site	●
Cache Creek	—
Canal System	—
Roadway	—

30 20 19 12
Winters

Well Monitoring

Continuous



SCADA Links

Comparison Trends

Comparison Table

Legend

- Real-Time Site ●
- Data Logger Site ●
- Cache Creek —
- Canal System —
- Roadway —

Well Monitoring

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

SCADA Links

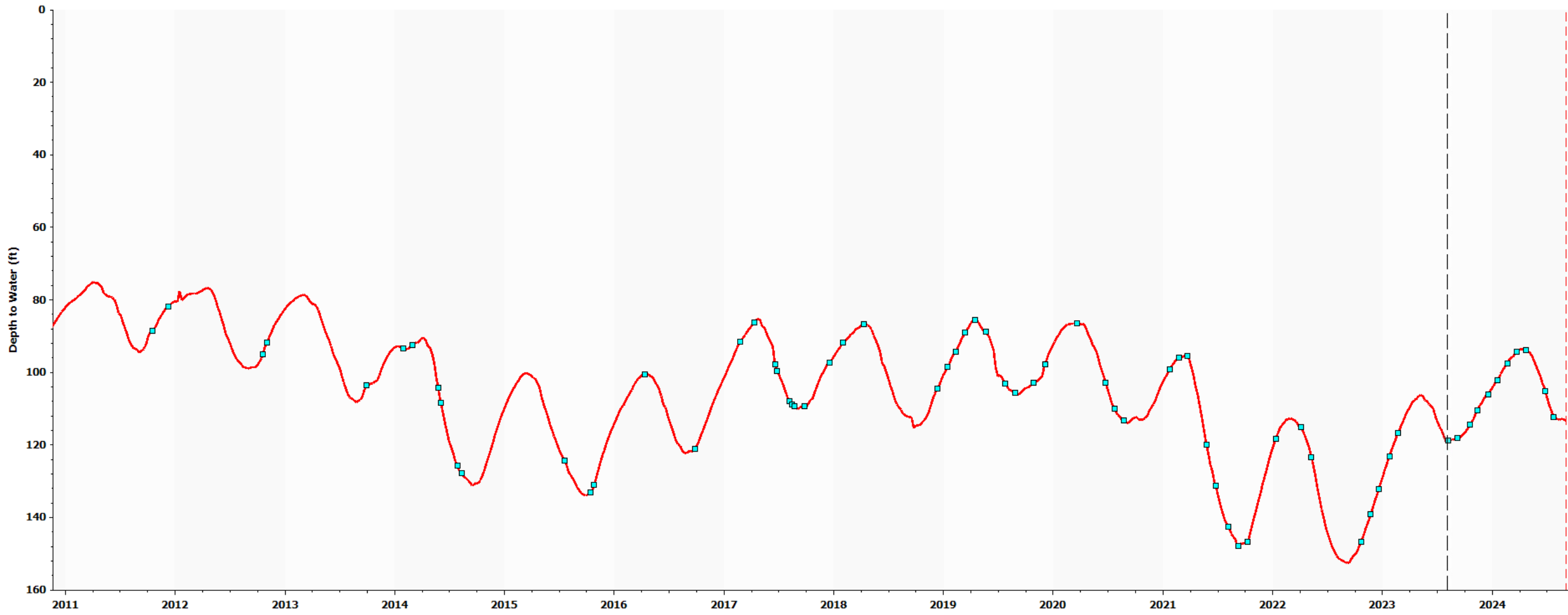
Well Map

Select Date

09/03

Well	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Δ 2023 - 2024	Δ 2022 - 2024
1.	95.0	99.7	108.7	131.3	132.3	122.4	110.2	112.8	106.5	114.6	147.4	152.7	118.7	113.6	5.1	39.2
2.	46.4	50.2	37.7	57.4	50.3	41.4	30.1	33.8	30.3	32.2	44.9	56.9	35.1	32.8	2.3	24.1
3.	40.0	46.0	52.2	82.6	77.7	62.5	40.0	44.9	38.4	43.6	73.0	91.0	55.3	46.0	9.2	45.0
4.	32.6	36.6	39.5	52.8	49.9	49.8	37.0	32.0	31.8	33.9	61.3	74.6	37.1	35.9	1.2	38.7
5.		19.0	21.1	34.5	36.9	35.9	23.5	25.4	18.4	21.2	36.4	42.8	27.2	23.3	4.0	19.6
6.		38.8	47.8	76.2	70.0	52.5	40.6	38.7	32.9	40.7	64.5	77.3	53.4	45.0	8.4	32.3
7.			16.0	48.9	48.9	26.5	20.3	21.6	19.0	24.2	49.8	48.6	24.3	18.0	6.3	30.7
8.			64.9	83.9	83.5	81.2	58.1	64.6	52.8	59.5	83.6	92.3	67.6	62.7	4.9	29.5
9.				76.7	72.0	59.1	41.9	45.7	41.1	43.8	69.8	80.9	51.1	45.6	5.5	35.3
10.				132.1		120.9	48.7	87.4	79.1	86.5	105.6	101.5	92.3	100.1	-7.9	1.3
11.				35.9	29.1	32.0	17.3	28.8	19.6	26.5	30.2	33.2	26.7	26.7	.0	6.5
12.									125.9	130.0	152.9	157.8	149.8	142.4	7.4	15.5
13.								100.9	84.8	94.7	126.4	129.1	94.0	99.2	-5.3	29.9
14.								9.8	10.1	10.4	14.0	14.7	10.2	10.5	-4	-4
15s.								41.7	36.2	45.9	50.6	48.5	38.6	37.4	1.2	11.1
15d.								167.7	139.8	156.5	247.0	281.3	164.8	166.0	-1.2	115.3
16.								41.7	36.2	40.6	49.2	59.7	44.9	40.8	4.1	18.9
17.									24.5	33.7	37.1	24.2	23.6	.6	.6	
18.									92.9	125.0	117.7	55.1	58.4	-3.3	-3.3	
19.									185.5	201.2	211.4	200.3	199.4	.9	.9	
20.												242.5	241.0	1.4		
21.											138.2	142.2	135.2	129.8	5.4	5.4
22.												127.7	87.7	78.3	9.5	9.5
23.												80.0	50.7	54.1	-3.4	-3.4
24.												81.4	58.8	54.8	4.0	4.0
25.												102.5	103.5	104.2	-7	
26.												130.4	94.0	75.8	18.2	
27.												89.2	74.1	72.3	1.8	
28.																
29.												97.4	86.9	10.1		
30.												119.1				
31.												215.4	203.3	12.1		
32.													162.8			

1. HQ Well Depth to Water



Trace
8/4/2023 12:54:44.686 PM 118.87

Depth to Water
8/3/23: 118.7 feet
9/3/23: 118.9 feet
 Δ -0.2 feet

Depth to Water
8/3/24: 112.9 feet
9/3/24: 113.6 feet
 Δ -0.7 feet

Preliminary Financial Report

Highlights as of August 31, 2024

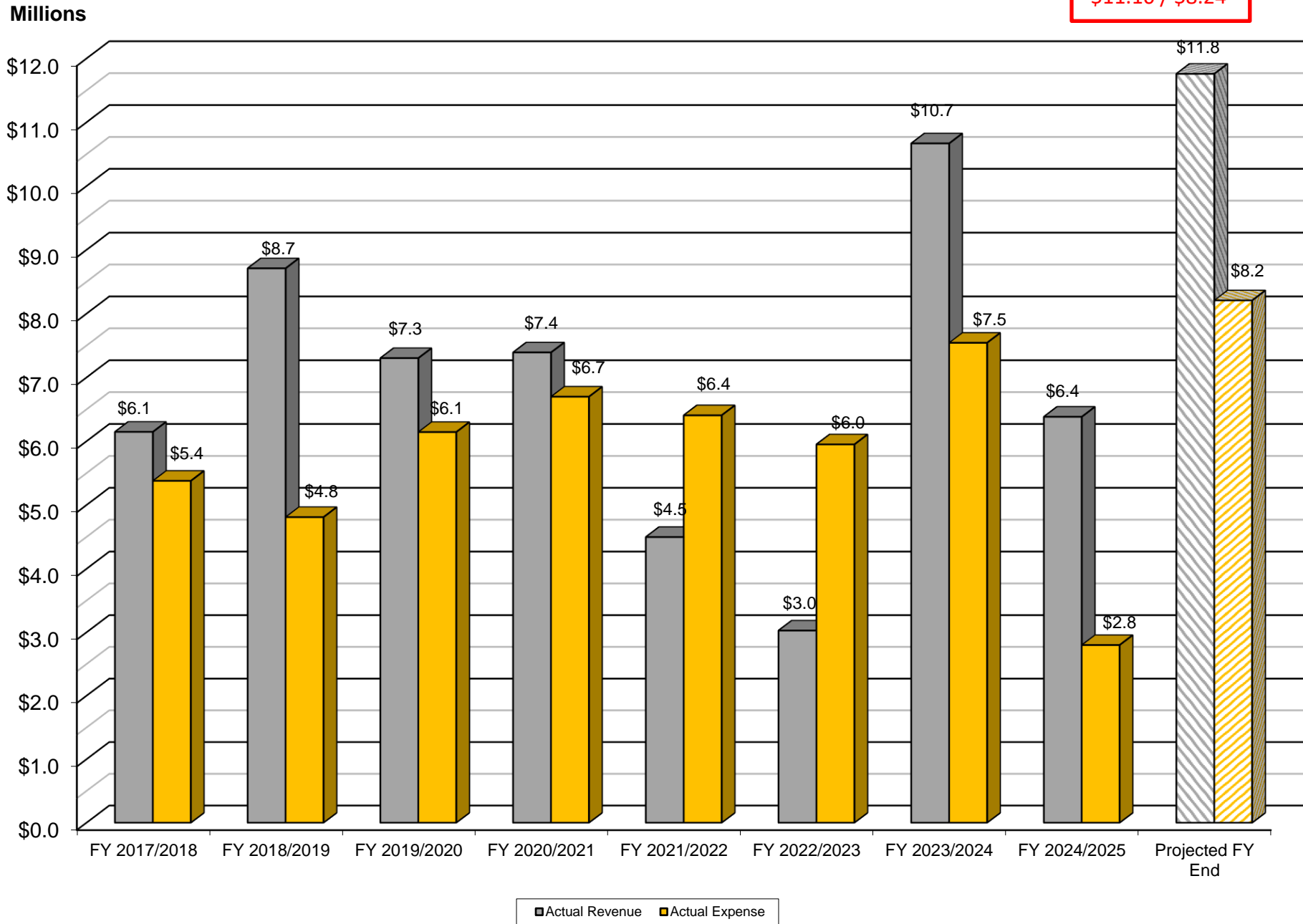
Preliminary Budget Summary as of 08/31/2024

Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$ 5,857,290	\$ 6,104,280	\$ (246,990)
Non-Agricultural (M&I) Water Sales	\$ 137,719	\$ 343,285	\$ (205,566)
Property Taxes *includes Special Property Tax Assessment	\$ -	\$ 2,716,000	\$ (2,716,000)
IV Dam Hydro (less fees)	\$ 86,687	\$ 300,000	\$ (213,313)
Other Revenue	\$ 301,575	\$ 1,633,000	\$ (1,331,425)
<i>Shared Services Revenue</i>	\$ 25,134	\$ 350,000	\$ (324,866)
<i>YSGA Reimbursements</i>	\$ 84,975	\$ 400,000	\$ (315,025)
<i>Interest</i>	\$ 109,606	\$ 225,000	\$ (115,394)
<i>Other (includes FEMA)</i>	\$ 81,860	\$ 658,000	\$ (576,140)
TOTAL REVENUE	\$ 6,383,271	\$ 11,096,565	\$ (4,713,294)

Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$ 576,325	\$ 1,366,885	\$ (790,560)
General Administration & General Plant	\$ 1,041,743	\$ 2,759,351	\$ (1,717,608)
Other Expenses	\$ 1,181,059	\$ 4,110,870	\$ (2,929,811)
TOTAL EXPENSES	\$ 2,799,127	\$ 8,237,106	\$ (5,437,979)

Comparison of Actual Revenue vs. Actual Expense

Original Budget
\$11.10 / \$8.24



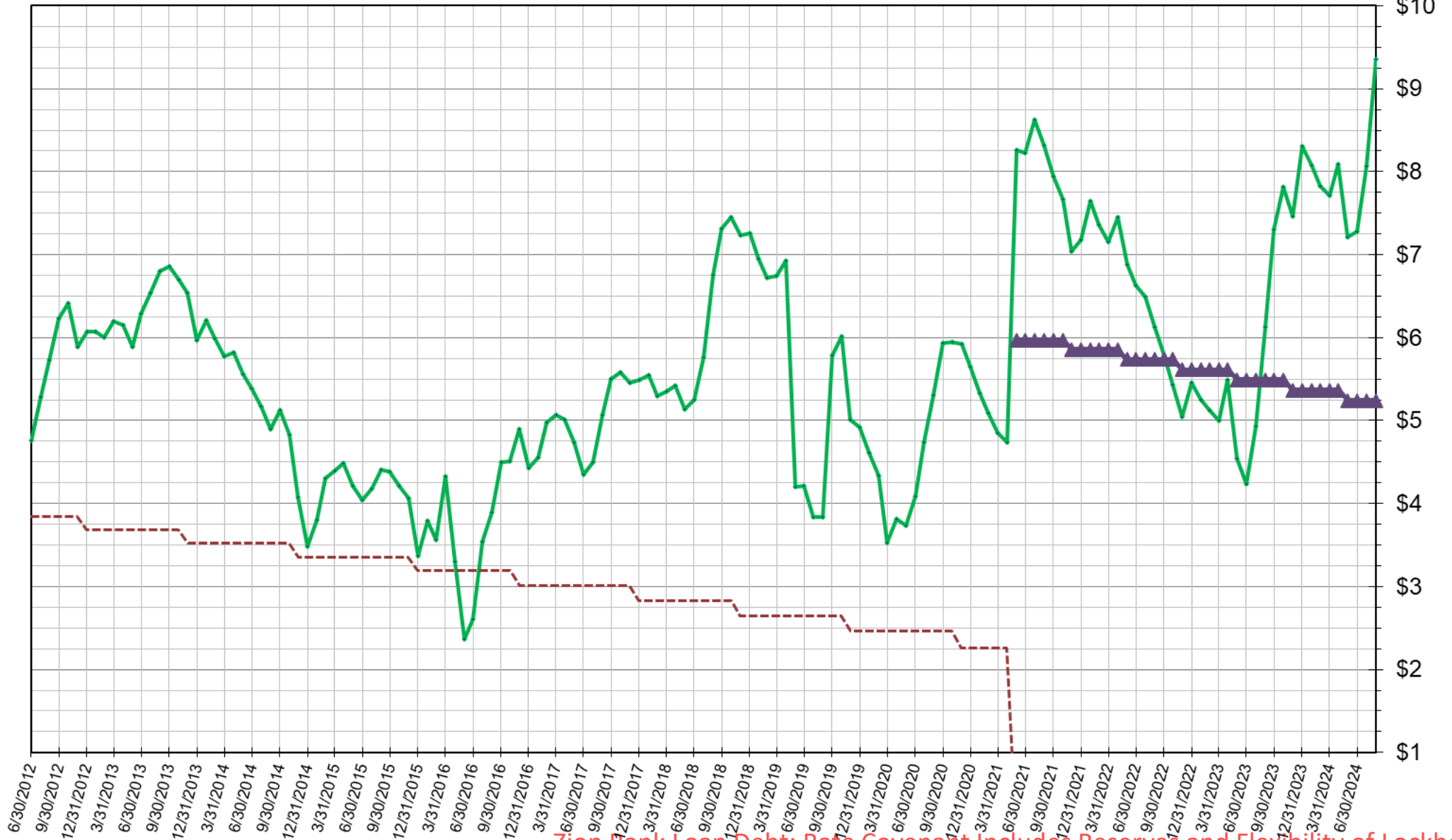
Cash History

— Total Cash & Investments

- - - SWRCB Loan Debt

▲ ZION BANK LOAN DEBT

Millions



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

Month End

Breakdown of Cash Accounts

8/31/2024

	Rate	Balance
<u>CASH</u>		
River City Bank Business Checking		512,648
River City Bank Public Fund Money Market Plus 1410	4.61%	2,100,691
River City Bank Public Fund Money Market - CIP - 4429	4.61%	3,626,401
River City Bank - Depository Agent Fund	4.61%	324,899
Yolo County Treasurer - Fund #7270		-
Petty Cash		350
TOTAL		\$ 6,564,989
<u>TEMPORARY INVESTMENTS</u>		
LAIF - YCFC Enterprise Fund	4.55%	438,114
LAIF - Drought Reserve Fund	4.55%	1,626,606
LAIF - Capital Recovery Fund	4.55%	146,670
LAIF - COVID Relief Funds	4.55%	579,540
TOTAL		\$ 2,790,929
<u>TOTAL CASH AND INVESTMENTS</u>		\$ 9,355,918

Capital Improvement Program

Planning for Capital Jobs

Capay Dam Bladder Replacement Project – Fall 2024

Hungry Hollow Canal – Pipeline Extension Project

Automated Trash System at Winters Heading and West Adams Canal



Capay Diversion Dam: Bladder Replacement Project

Anticipated Start Date: October 1, 2024



General Activities (August 7 – September 3)

PROJECTS:

- **Irrigation Season Operations – Aquatic Weeds Management**
- **Capital Projects – Automated trash screen installations and Capay Dam Bladder Replacement**
- **Indian Valley Reservoir – FERC Part 12D Compliance and Comprehensive Assessment**
- **Voluntary Agreement Process**
- **Winters Canal Headworks Automated Trash Rack Pulley System**
- **Strategic Planning Preparation**
- **2023 Storm Damage FEMA Reimbursement Process**
- **Website Update**
- **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**
- **Outreach with various agencies on District’s Recharge Program**
- **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 (August 7 – September 3)

OUTREACH:

1. ACWA State Legislative Committee Meeting (August 9)
2. YSGA: Yolo-Zamora Landowner Workshops (August 13 and 27)
3. YSGA: Hungry Hollow Groundwater Working Group Meeting (August 19)
4. YSGA: GDE Coordination Meeting with TNC (August 20)
5. YSGA: Executive Committee Meeting (August 21)
6. YSGA: City of Winters Coordination Meeting (August 28)
7. ACWA Executive Edge (August 29-30)
8. Meeting with Yolo RCD to Discuss USBR WaterSMART Funding Opportunity (August 29)
9. NCWA Bay-Delta Task Force Meeting (September 3)

Upcoming Meetings & Events

1. UCD Law Symposium: SGMA Implementation (September 6)
2. Yolo Land Trust: A Day in the Country (September 8)
3. NCWA Groundwater Management Task Force Meeting (September 9)
4. Yolo County Financial Oversight Committee Meeting (September 12)
5. ACWA SGMA Implementation Subcommittee Meeting (September 12)
6. YSGA Board of Directors Meeting (September 16)
7. Bucks for Ducks (September 29)
8. YSGA: Hungry Hollow Groundwater Working Group Meeting (October 2)
9. GRA's Western Groundwater Congress (October 7-9)
10. NCWA's Sacramento Valley Celebration (October 17)
11. ACWA's Fall Conference (December 3-5)

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 #63892-63902)

Check Number	Check Amount	Vendor Name		Description	Check Date	Invoice Amount
		Invoice Number	Invoice Date			
0000063892	\$2,853.37	ACWA / JPIA - INSURANCE PAYMENTS			9/3/24	
		O-0001000268	7/5/24	CYBER LIABILITY POLICY 7/1/24-7/1/25		2,853.37
0000063893	\$4,423.53	BARTKIESICZ, KRONICK & SHANAHAN			9/3/24	
		1650-0001	8/8/24	GENERAL LEGAL		1,002.78
		1650-0010	8/8/24	CLEAR LAKE LEGAL		3,167.75
		1650-0023	8/8/24	SITES PERMIT AHO LEGAL		253.00
0000063894	\$135,199.79	GEI CONSULTANTS, INC.			9/3/24	
		003159092	8/12/24	PROJ.2304186 IV DAM FERC PART 12D CA		135,199.79
0000063895	\$5,185.80	INTEGRAL NETWORKS, INC.			9/3/24	
		32634	9/1/24	PO6952 IT SUPPORT SERVICES		5,185.80
0000063896	\$9,333.62	INTERSTATE OIL COMPANY			9/3/24	
		1847955-IN	8/12/24	7.5GAL PROPANE		26.66
		T642587-IN	8/20/24	PO6980 610GAL GAS, 1600GAL DIESEL		9,306.96
0000063897	\$45,645.80	JS WELD INC.			9/3/24	
		7191	8/2/24	36" TRAVELING WATER SCREEN WEA0600LP	Partially Reimbursable	16,533.08
		7192	8/2/24	36"TRAVELING WATER SCREEN WEA0349RP	Partially Reimbursable	12,480.52
		7193	8/6/24	36" TRAVELING WATER SCREEN WEA0903LP	Partially Reimbursable	16,632.20
0000063898	\$12,481.22	NUTRIEN AG SOLUTIONS, INC.			9/3/24	
		55373874	8/8/24	PO7005 ROUNDUP CUSTOM,LIBERATE, TOP DECK	Partially Reimbursable	12,481.22
0000063899	\$10,616.83	PREFERRED PUMP			9/3/24	
		31113164.00	8/14/24	PO6966 8",10" & 12" MAG FLOW METERS		9,519.12
		31113165-00	8/14/24	25FT & 100FT POWER CABLE FOR GEM FM		123.12
		31113165-01	8/21/24	PO6968 25FT PWR CABLE, 100FT PWR CABLE		974.59
0000063900	\$8,732.25	SLATE GEOTECHNICAL CONSULTANTS			9/3/24	
		2503	8/15/24	23-007-01 IV DAM SEEPAGE COLLECTION DSGN		8,732.25
0000063901	\$2,817.90	STANDARD INSURANCE COMPANY			9/3/24	
		649299 SEPT 2024	9/1/24	MONTHLY DISABILITY INSURANCE		2,817.90
0000063902	\$3,575.00	WOOD RODGERS, INC.			9/3/24	
		181760	5/31/24	SR 16 FLOOD RISK REDUCTION	Reimbursable	2,950.00
		183634	7/31/24	SR 16 FLOOD RISK REDUCTION	Reimbursable	625.00
						\$ 240,865.11
						\$ 240,865.11

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