

YCFC&WCD BOARD OF DIRECTORS

August 6, 2024



YOLO COUNTY
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

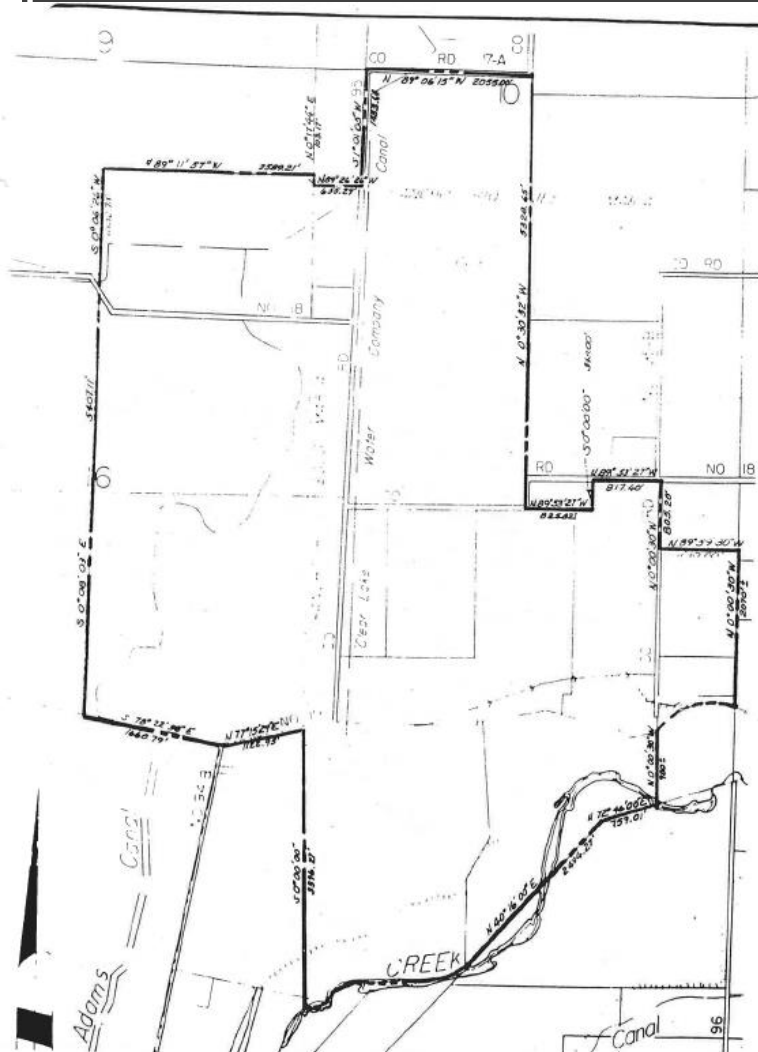
Adding Items to the
Posted Agenda

Agenda Item # 4

Adopt Resolution 24.05 Requesting
Collection of Charges on Tax Roll

1990 East Adams Annexation

Historical Assessed Value Summary

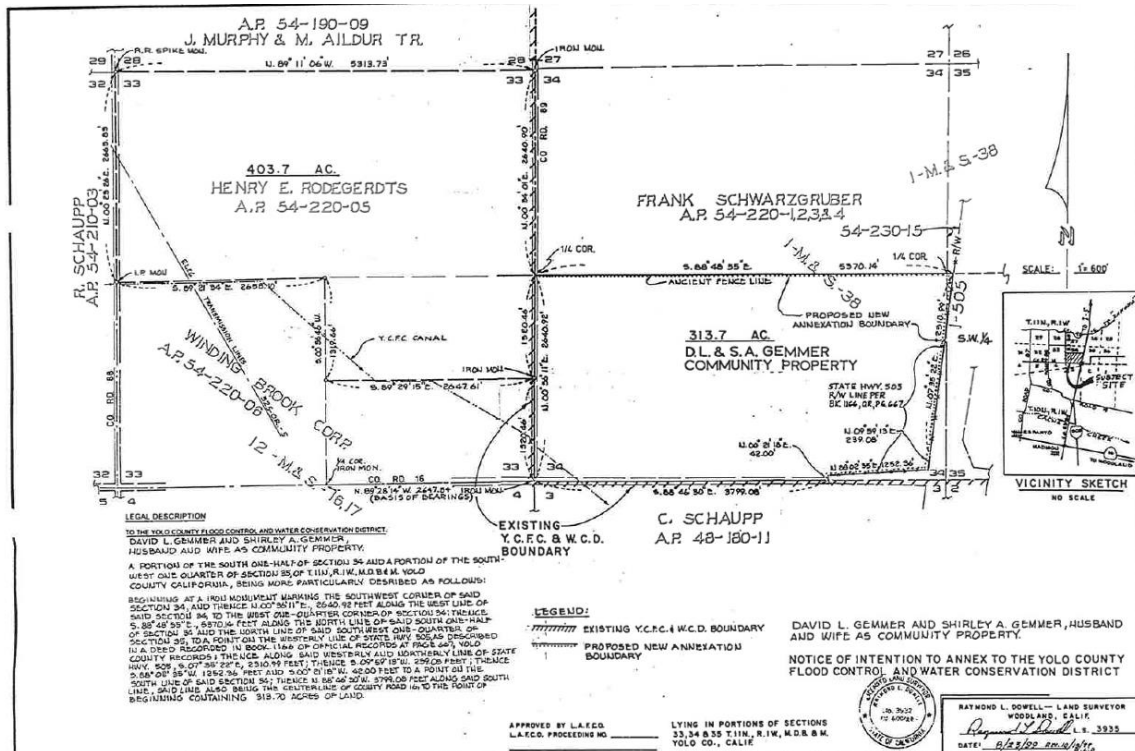


1,317.10 acres

Submittal Year	# of Parcels	Total A.V.	% Change in A.V.	Tax Roll Charge
2010	18	\$5,500,318	4.25%	\$643.66
2011	18	\$5,748,882	4.52%	\$670.60
2012	18	\$5,880,809	2.29%	\$685.76
2013	18	\$6,641,028	12.93%	\$771.96
2014	18	\$7,056,102	6.25%	\$819.22
2015	18	\$7,084,339	0.40%	\$822.34
2016	18	\$8,580,312	21.12%	\$992.34
2017	18	\$9,059,733	5.59%	\$1,046.54
2018	18	\$9,180,456	1.33%	\$1,060.46
2019	18	\$8,916,433	-2.88%	\$1,030.32
2020	18	\$9,375,674	5.15%	\$1,082.60
2021	18	\$9,035,560	-3.63%	\$1,043.86
2022	18	\$9,355,585	3.54%	\$1,080.30
2023	18	\$9,413,570	0.62%	\$1,086.72
2024	18	\$10,111,192	7.41%	\$1,166.10

2000 Hungry Hollow Annexation

Historical Assessed Value Summary

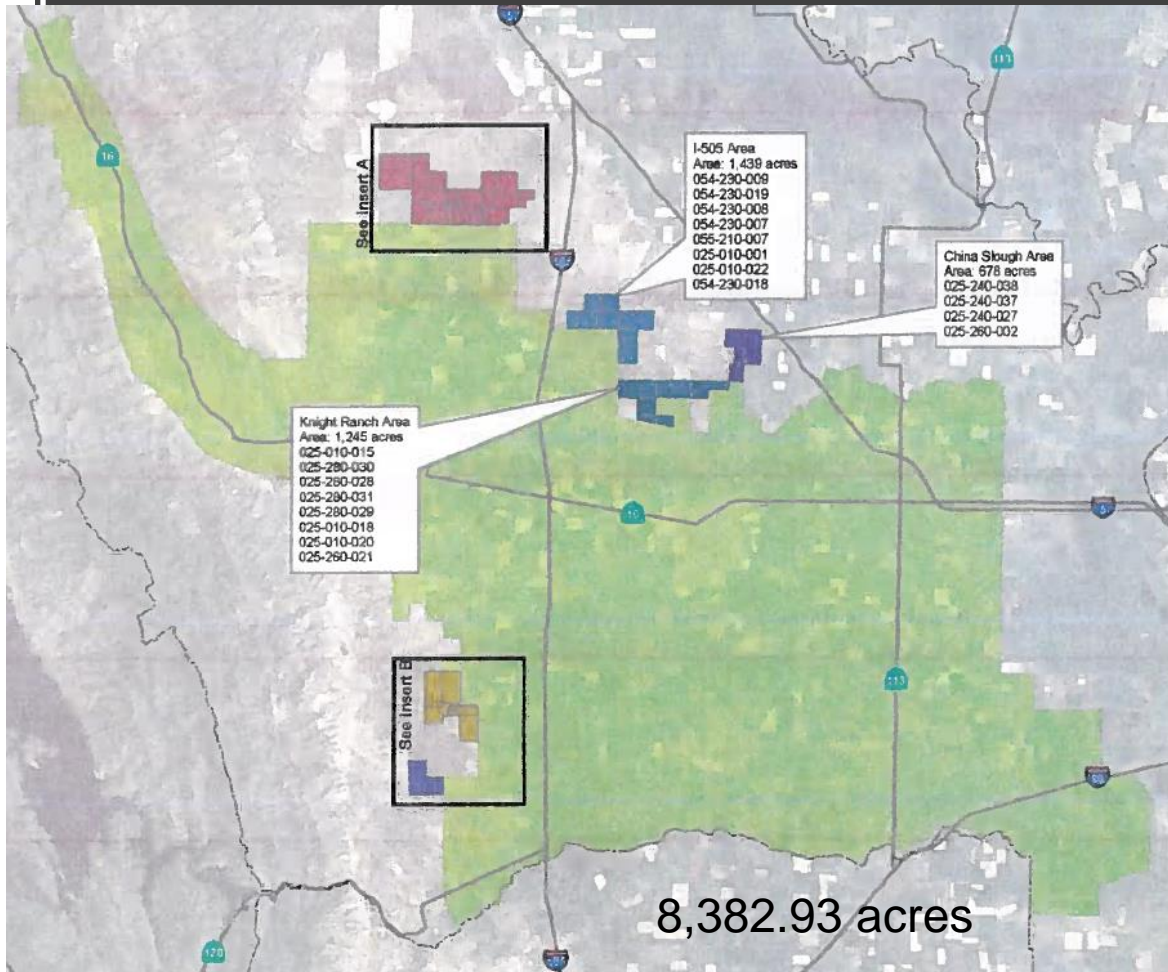


313.70 acres

Year	# of Parcels	Total A.V.	% Change	Tax Roll Charge
2012	3	\$3,936,934	6.62%	\$450.02
2013	3	\$3,894,777	-1.07%	\$445.22
2014	3	\$4,284,566	10.01%	\$489.48
2015	3	\$4,260,498	-0.56%	\$486.74
2016	3	\$5,201,352	22.08%	\$593.58
2017	3	\$5,613,466	7.92%	\$640.34
2018	3	\$6,824,197	21.57%	\$777.84
2019	3	\$6,843,950	0.29%	\$779.06
2020	3	\$5,535,945	-19.11%	\$630.56
2021	3	\$5,858,150	5.82%	\$667.12
2022	3	\$2,957,473	-49.52%	\$338.80
2023	3	\$2,884,835	-2.46%	\$330.54
2024	2	\$3,108,344	7.68%	\$354.92

2012 Annexation

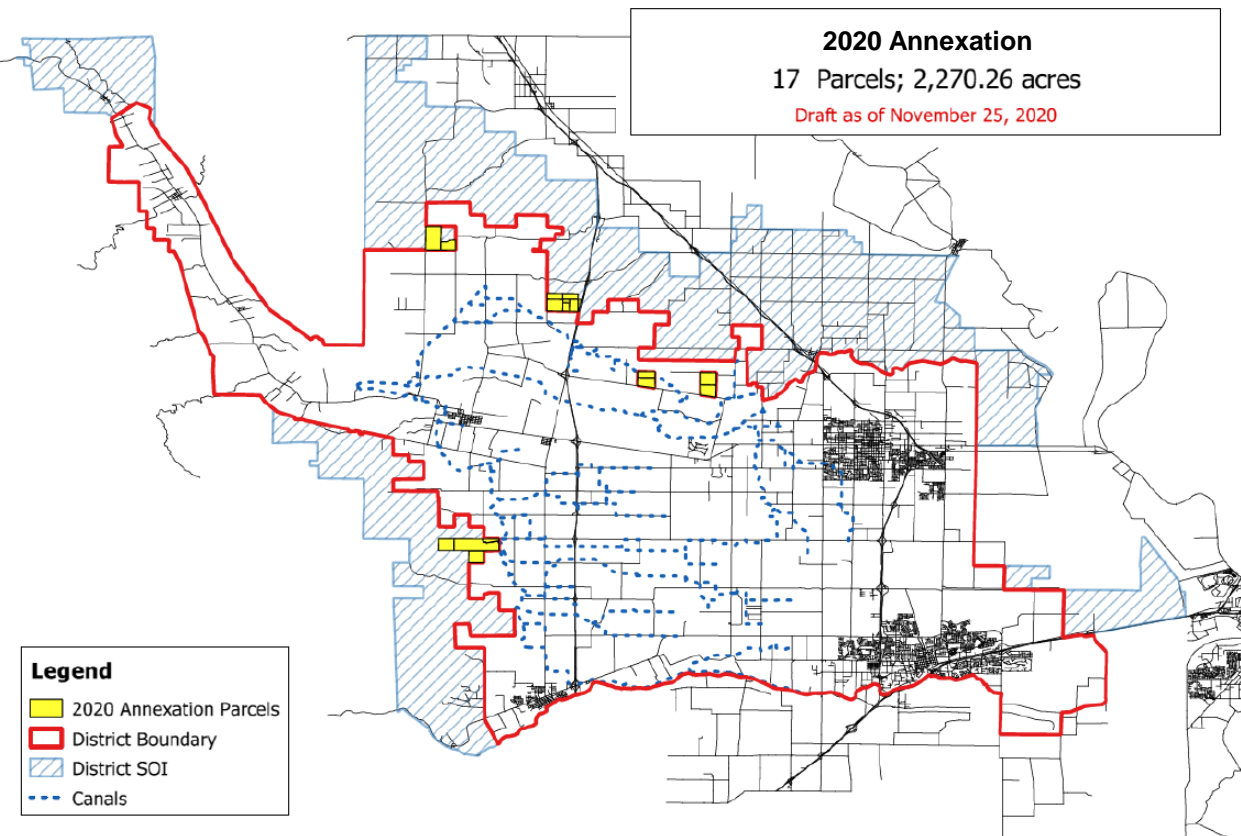
Historical Assessed Value Summary



Year	Number of Parcels	Total A.V.	Change in A.V.	Total Charge
2015	62	\$63,644,386	--	\$7,287.88
2016	62	\$71,263,355	11.97%	\$8,153.66
2017	62	\$80,304,190	12.69%	\$9,179.40
2018	62	\$84,828,009	5.63%	\$9,693.72
2019	62	\$70,439,142	-16.96%	\$8,059.34
2020	62	\$83,944,610	19.17%	\$9,593.34
2021	63	\$83,459,110	-0.58%	\$9,538.72
2022	63	\$86,152,474	3.23%	\$9,845.10
2023	63	\$76,061,736	-11.71%	\$8,698.70
2024	62	\$88,335,505	16.14%	\$10,091.96

2020 Annexation

Historical Assessed Value Summary



Year	Number of Parcels	Total A.V.	Change in A.V.	Total Charge
2023	18*	\$9,716,711	--	\$1,121.16
2024	18	\$11,588,317	19.26%	\$1,333.86

*Since the annexation in 2020, one parcel has split into two, which has resulted in 18 parcels.

Agenda Item #5

YSGA Update

SGMA Implementation Grant Funding

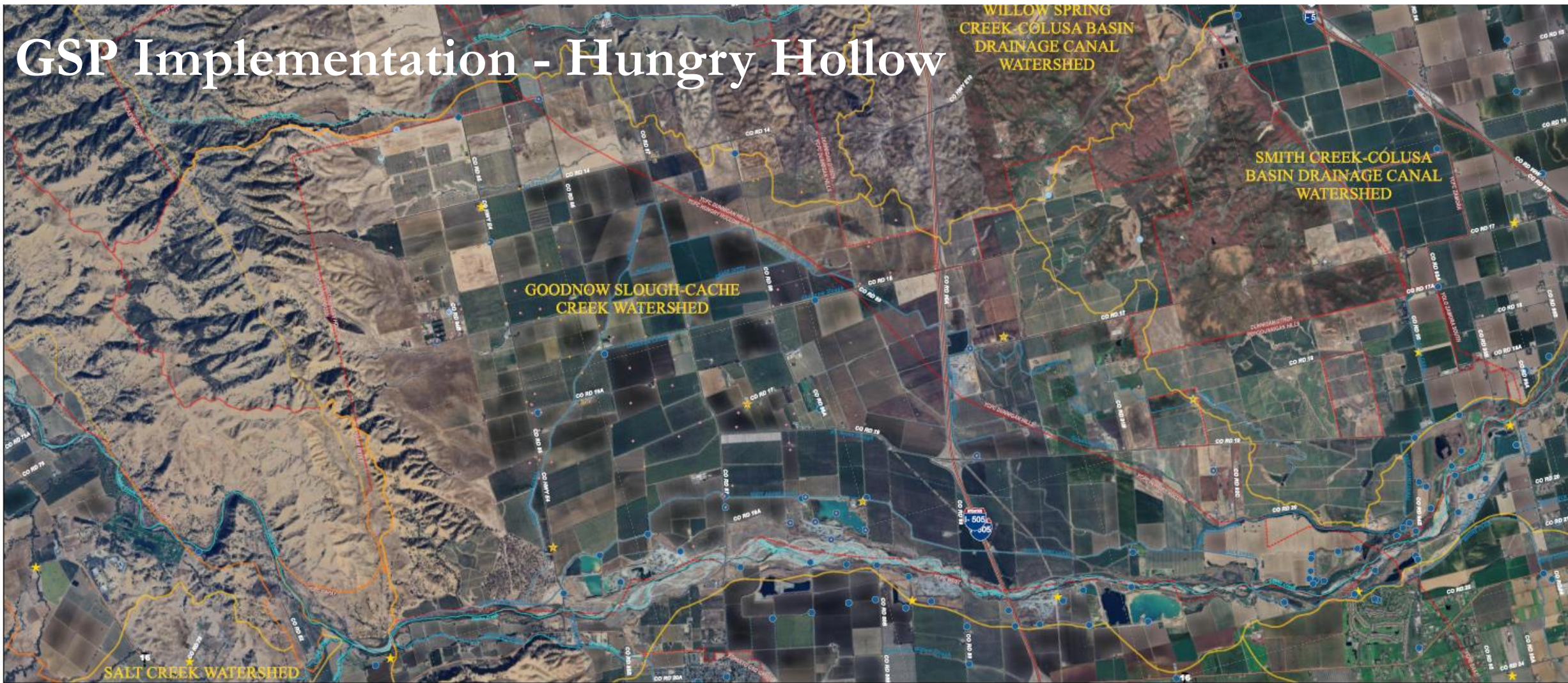
Components	Grant Amount
Component 1: Grant Administration	\$613,875
Component 2: Yolo Subbasin GSP Implementation	\$1,721,000
Component 3: Yolo-Zamora Groundwater Recharge Pilot Project	\$1,221,050
Component 4: Dunnigan Area Recharge Program	\$1,180,950
Component 5: City of Winters Feasibility Studies	\$580,000
Component 7: YCFC&WCD Winter Water Recharge Program	\$2,600,000
Total:	\$7,917,000

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

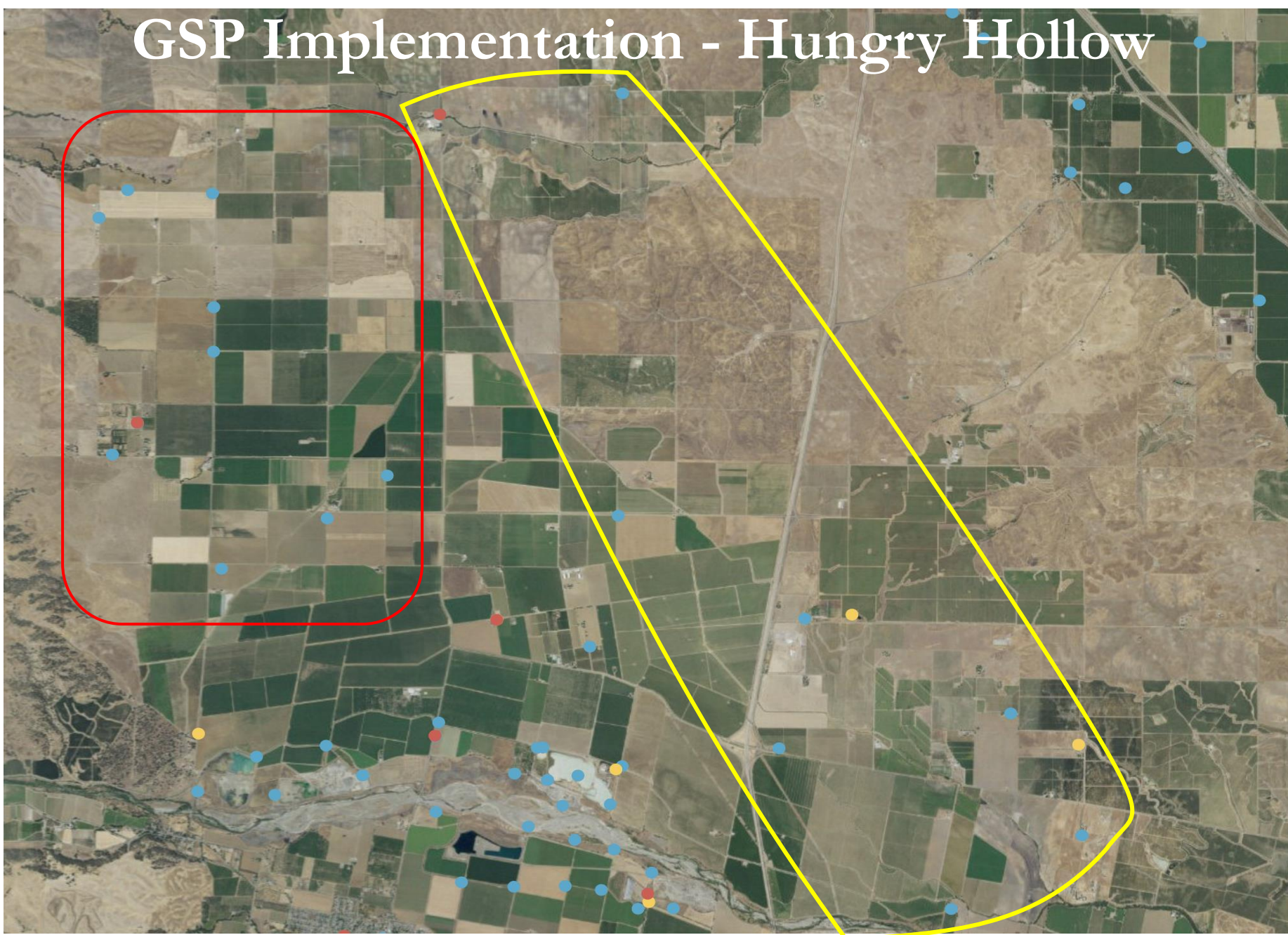
For Community Meeting
June 24, 2024

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

GSP Implementation - Hungry Hollow



Hungry Hollow Groundwater Working Group Update

- YSGA staff updating well log database and will
 - develop geologic/hydrogeologic cross sections
 - assist SEI with updating the aquifer parameters for the model
 - identify PMAs based on updated hydrogeologic conceptual understanding of Hungry Hollow
 - collaborate with Hungry Hollow Groundwater Working Group find a path to sustainability
- Exploring other opportunities to collect additional geophysical data (tTEM, SP) to fill in data gaps where AEM and/or well log coverage isn't available

YCFC&WCD WINTER
RECHARGE PROGRAM

YCFC&WCD Winter Recharge Program

4 automated gates installed on the Hungry Hollow Canal



YCFC&WCD Winter Recharge Program

4 automated gates installed on the Hungry Hollow Canal



BEFORE

YCFC&WCD Winter Recharge Program

4 automated gates installed on the Hungry Hollow Canal



AFTER

YCFC&WCD Winter Recharge Program

4 automated gates installed on the Hungry Hollow Canal



AFTER

YCFC&WCD Winter Recharge Program

Year	Diversion Days	Stormwater Diversion to Groundwater Recharge (AF)
2016	39	11,128
2017	41	6,201
2018*	0	0
2019	30	3,745
2020-22*	0	0
2023	33	4,604
2024	43	8,710

** Limited precipitation and Delta conditions did not allow for excess flow diversion in these years*

YCF&WCD Recharge – Other Updates

- 2025 Temporary Permit application drafted & expected to be submitted early Aug.
- 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

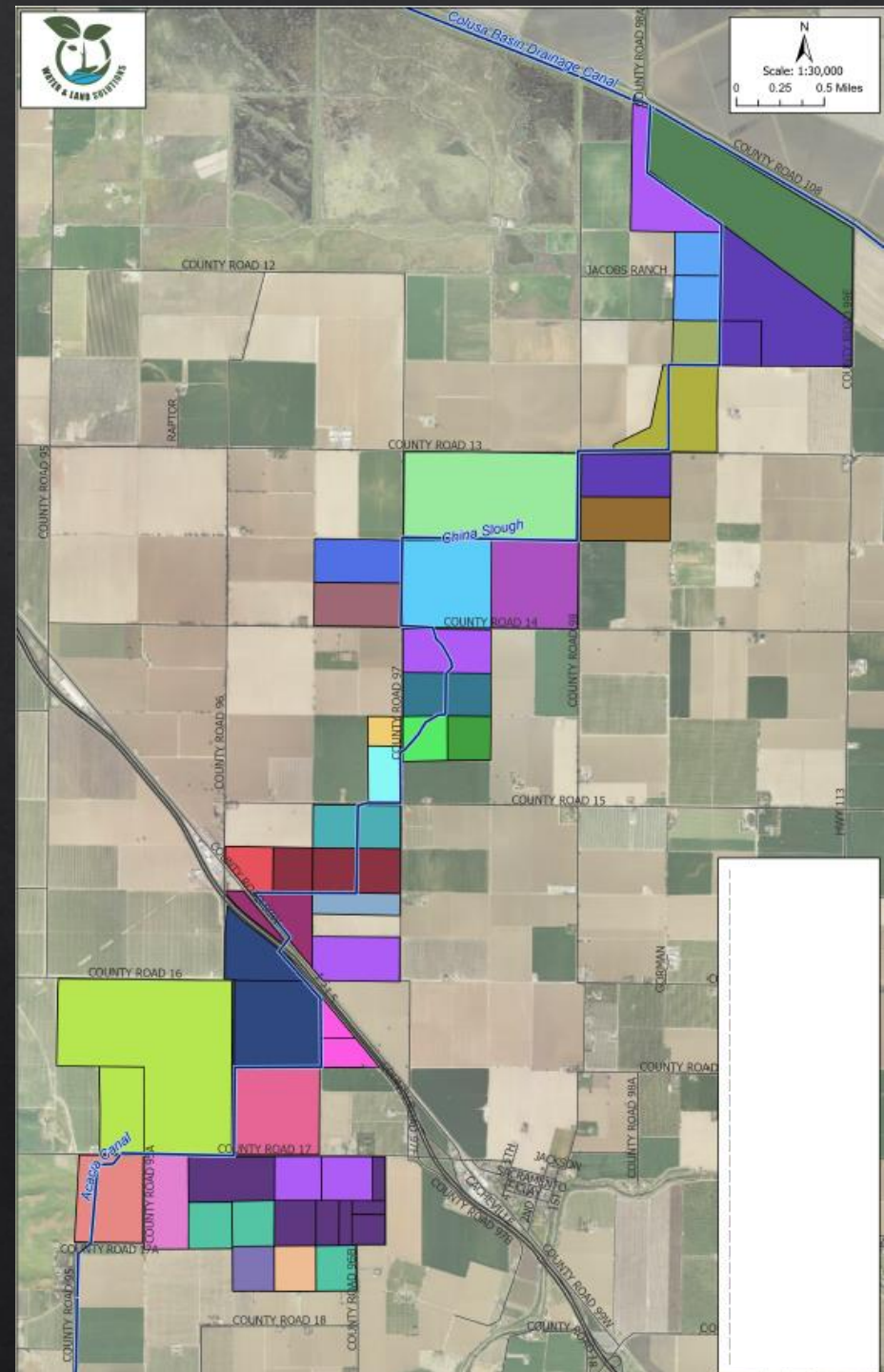


CITY OF WINTERS
FEASIBILITY STUDIES

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 Aug 13 and 27
- Water availability analysis expected to begin Sept./Oct.



Yolo-Zamora Recharge Project

New culvert structure on the East Adams Canal



BEFORE

Yolo-Zamora Recharge Project

New culvert structure on the East Adams Canal



AFTER

DUNNIGAN AREA
RECHARGE
PROGRAM



June 14 Site Visit



Agenda Item #6

Directors' Reports

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

- i. NCWA Meetings
- ii. YSGA Board of Directors Meetings (July 31)
- iii. Proposed Bay-Delta Plan Amendments Meeting with County and NCWA (July 31)
- iv. Strategic Plan Committee Meeting (August 2)

Agenda Item #7

General Manager's Report

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

Current Water Conditions (08-06-24)

	<u>Elevation</u>	<u>Available</u>	<u>2023</u>
Clear Lake			
• August 6	4.05'	53,495 AF	4.29' (45,180 AF)
• July 6	5.35'	77,858 AF	
• Total Difference	-1.30'	-24,363 AF	
Indian Valley Reservoir			
• August 6	1,468.22'	236,800 AF	1,447.39' (167,700 AF)
• July 6	1,472.60'	252,700 AF	
• Total Difference	-4.38'	-15,900 AF	

Reservoir Releases:

Cache Creek Dam: 370 cfs

Indian Valley Reservoir: 240 cfs

- West Adams Canal Diversions: 192 cfs
- Winters Canal Diversion: 293 cfs

Facility	Precipitation (10/1/23 – 8/6/24)
Cache Creek Dam	28.47"
Indian Valley Reservoir	32.04"
Headquarters	19.40"

7 days 30 days 1 year

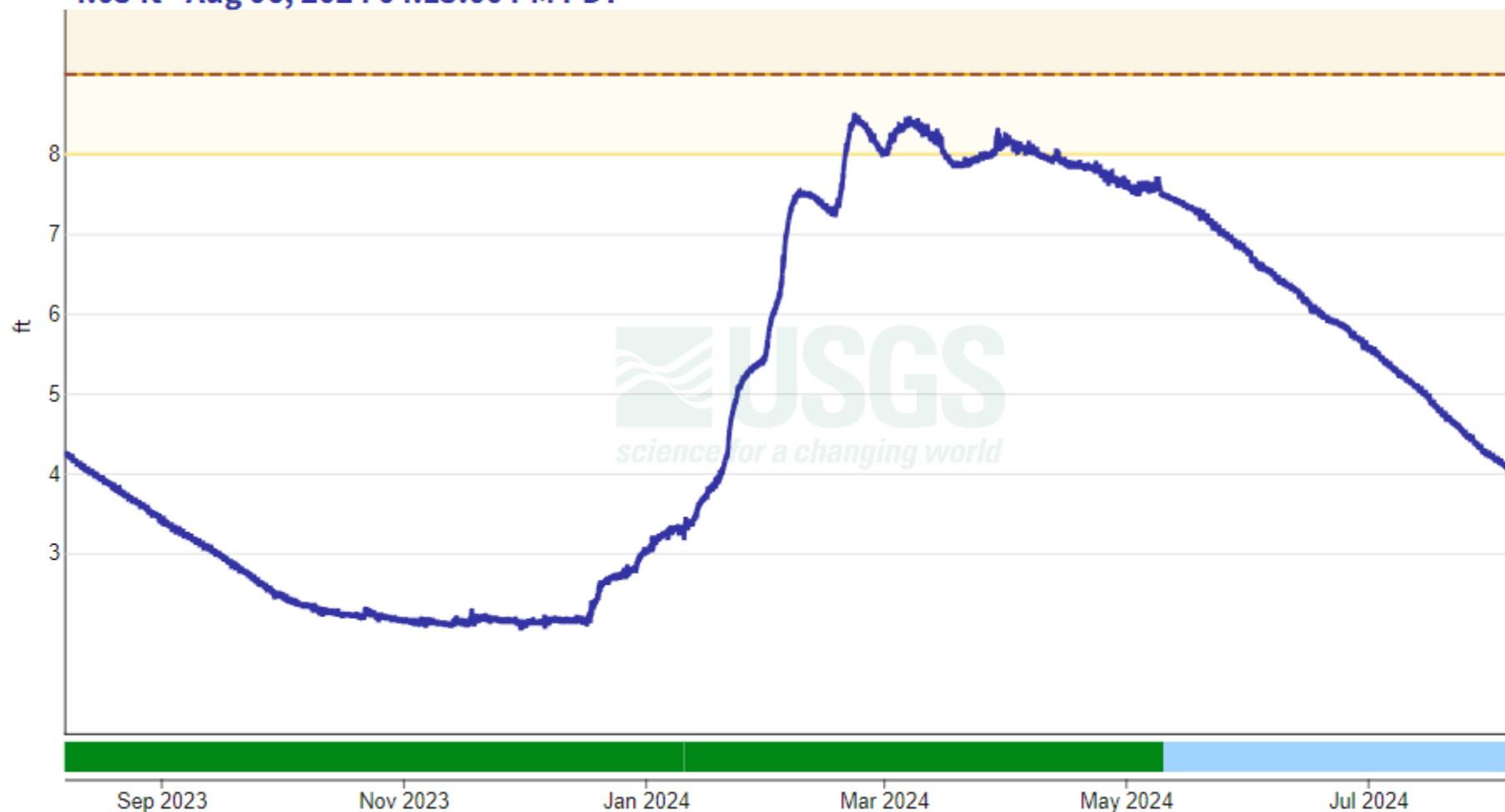
Scale

Clear LK a Lakeport CA - 11450000

August 7, 2023 - August 6, 2024

Gage height, feet

4.05 ft - Aug 06, 2024 04:15:00 PM PDT



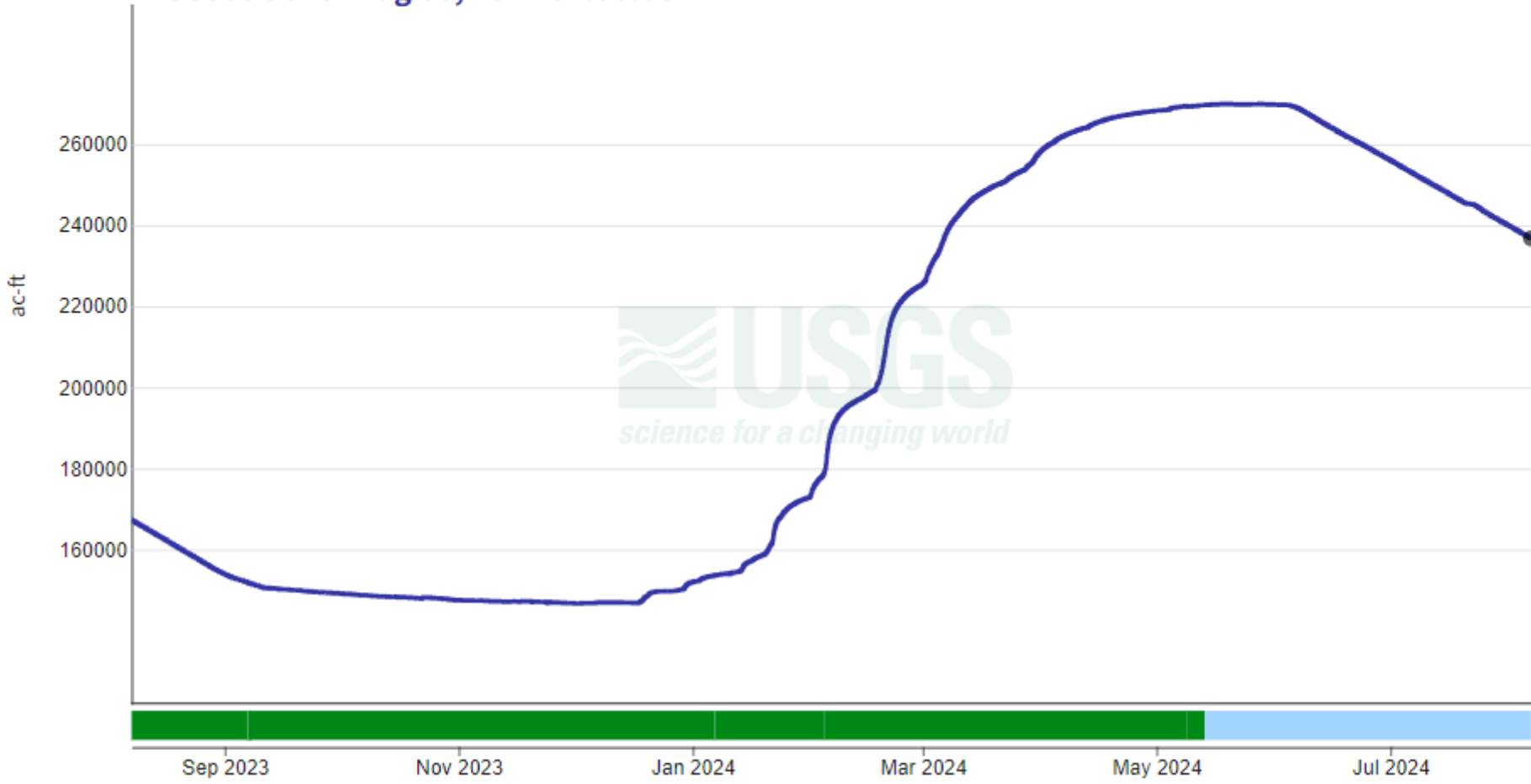
7 days 30 days 1 year

Scale

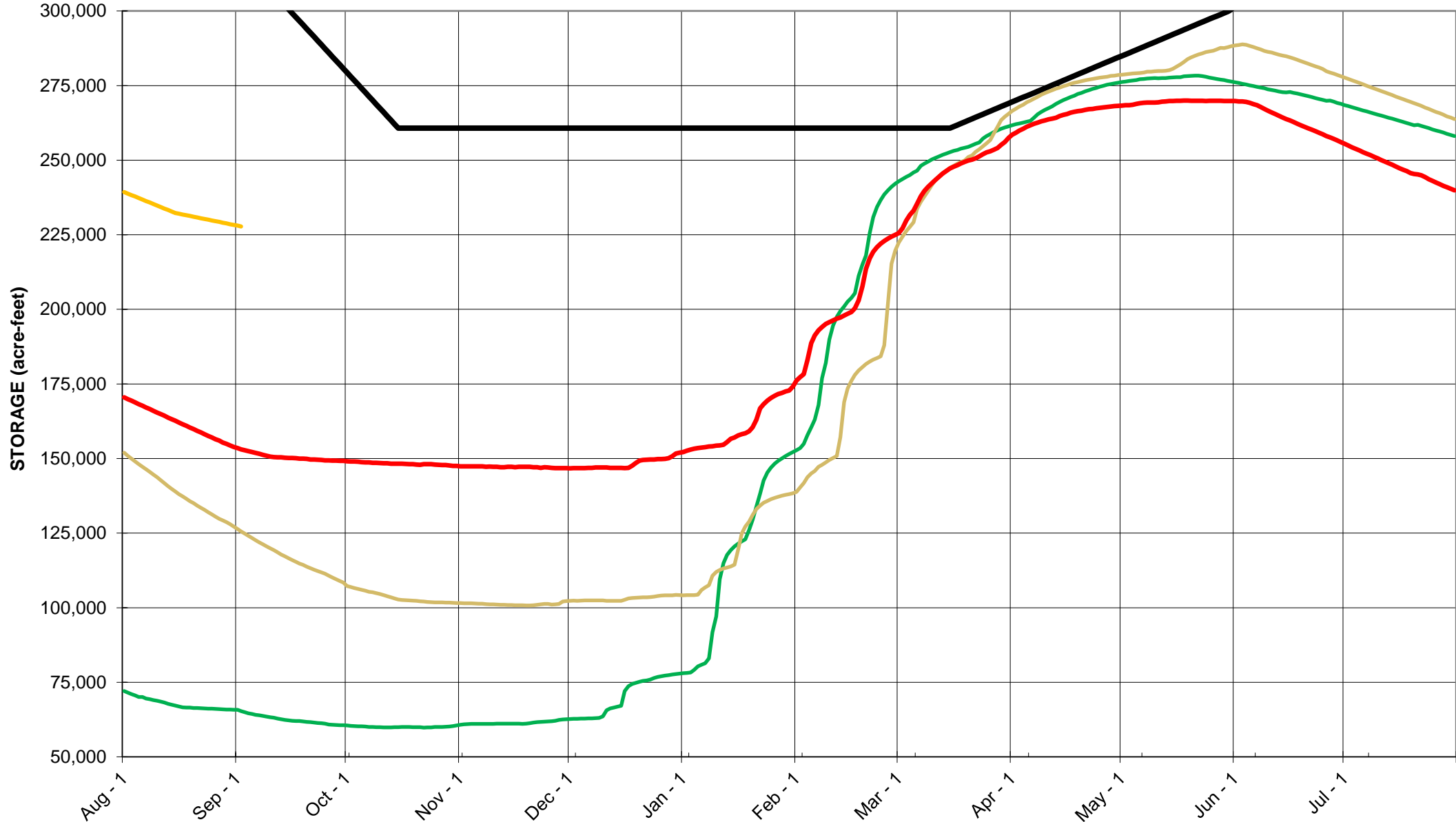
Indian Valley Res a Clearlake Oaks CA - 11451290

August 7, 2023 - August 6, 2024
Reservoir storage, acre-feet

236800 ac-ft - Aug 06, 2024 04:00:00 PM PDT



INDIAN VALLEY RESERVOIR Storage & Flood Control Diagram



— Storage and Flood Control Curve

— 2016-2017

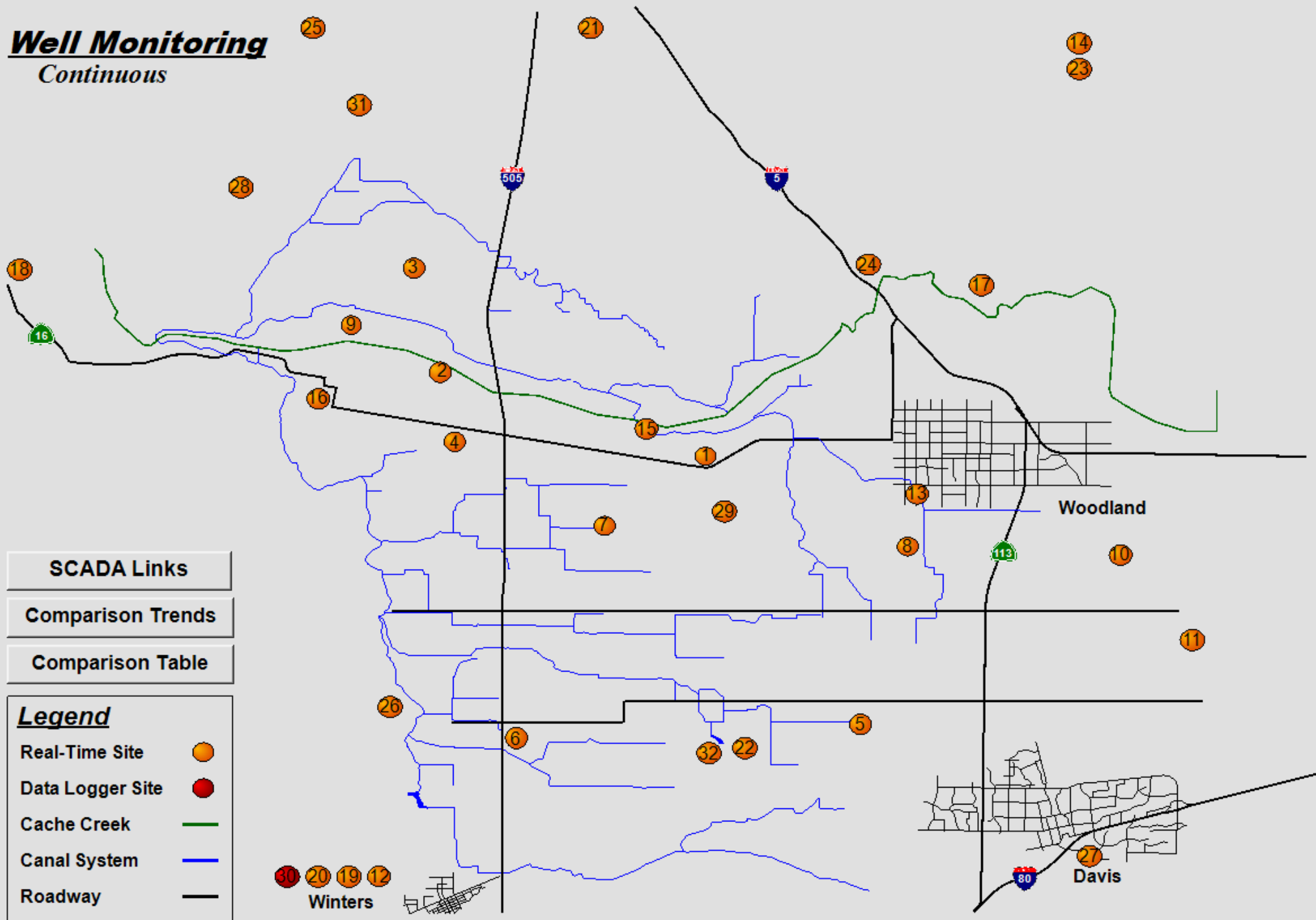
— 2018-2019

— 2023-2024

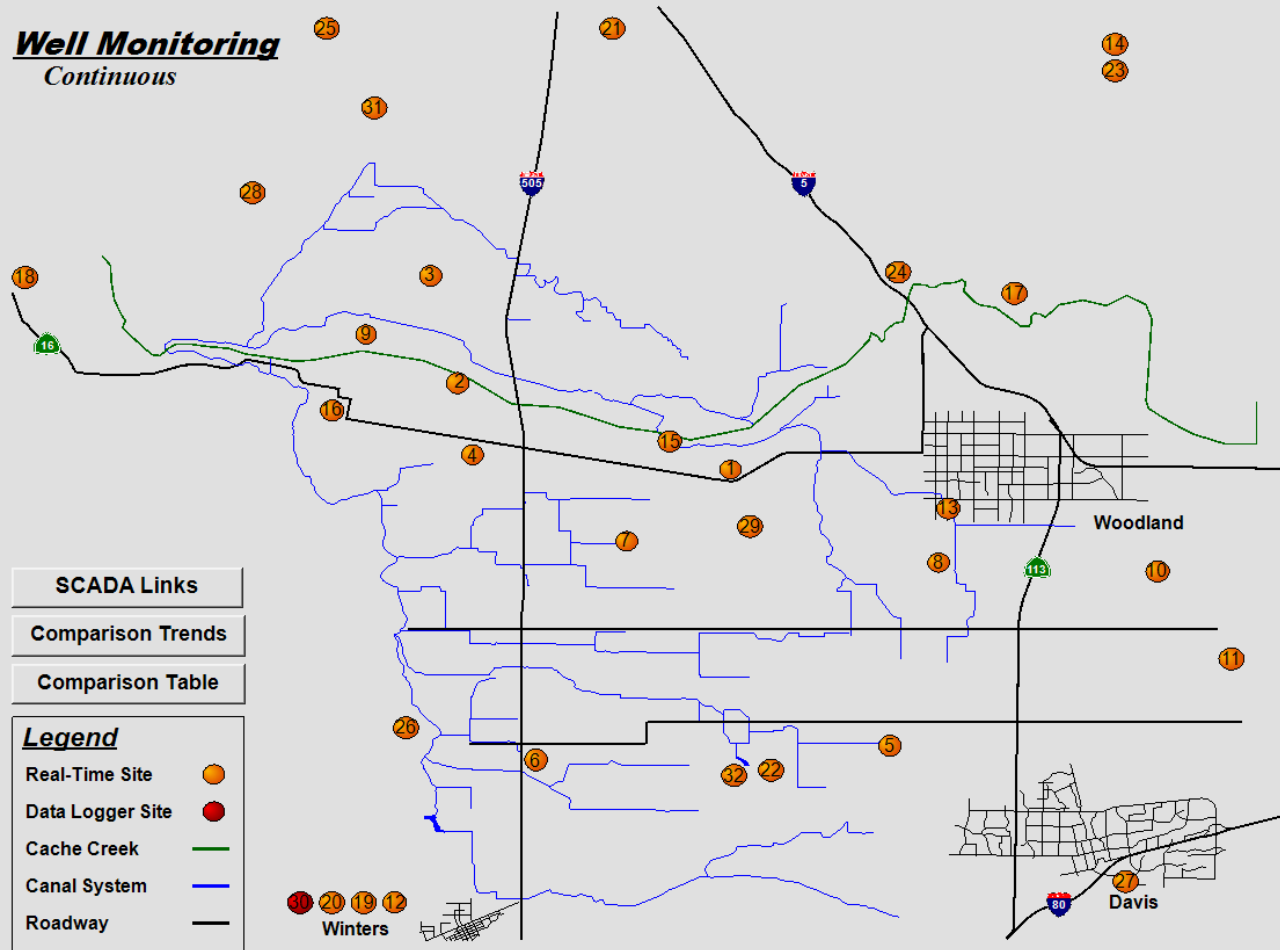
— 2024-2025

Well Monitoring

Continuous



Well Monitoring
Continuous

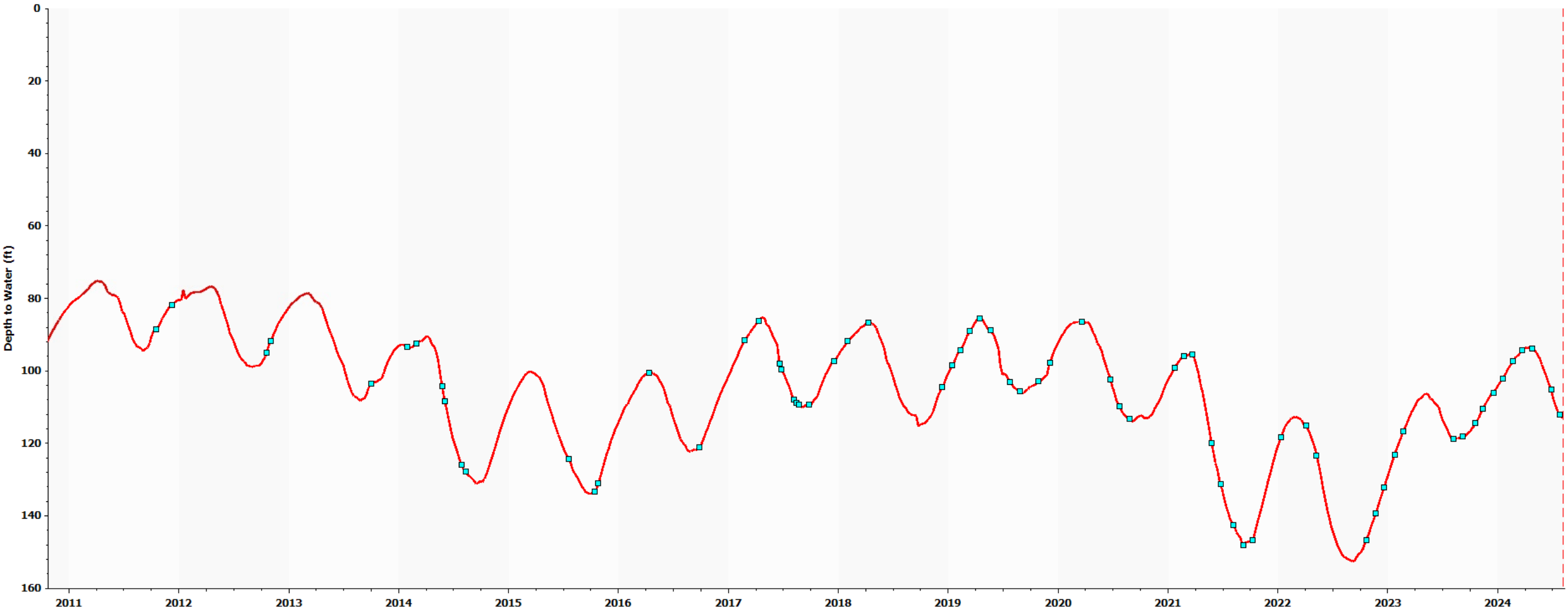


Well Monitoring

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 2022 - 2024
1.	96.8	97.7	107.6	128.7	128.6	120.2	108.4	110.6	105.2	112.4	142.7	151.5	119.9	113.8	6.0	37.7
2.	46.6	52.2	54.3	54.0	53.2	44.9	30.2	33.7	30.3	32.3	42.2	54.2	36.0	35.1	9	19.1
3.	40.1	46.4	52.9	82.9	73.8	62.1	39.4	44.1	37.7	43.6	70.8	87.8	57.9	46.1	11.8	41.7
4.	32.9	41.2	42.6	61.8	54.6	48.7	35.5	34.1	33.5	35.9	56.8	68.2	40.0	36.0	4.0	32.2
5.		15.2	18.6	34.1	34.8	35.9	22.7	25.3	17.4	20.9	35.3	42.2	27.9	23.6	4.4	18.6
6.		52.8	58.0	91.9	75.5	62.5	50.0	44.2	35.0	43.4	69.9	87.9	63.0	56.0	7.0	31.9
7.				46.5	46.5	26.1	17.3	21.6	17.9	24.3	47.9	47.5	24.1	20.6	3.5	26.9
8.				89.1	87.0	84.6	65.2	71.4	55.7	65.8	87.7	93.3	76.0	69.6	6.3	23.7
9.				73.5	69.1	57.9	41.8	44.9	40.6	44.1	63.6	78.7	51.1	44.9	6.1	33.7
10.					113.3	130.3	72.6	129.1	100.8	126.6	133.2	141.8	117.8	127.9	-10.1	13.9
11.					33.1	33.1	19.1	32.0	21.2	30.9	35.6	36.8	28.7	29.5	-8	7.3
12.									126.9	127.0	148.5	159.9	147.4	149.7	-2.2	10.2
13.								118.7	93.3	111.6	139.3	142.9	107.1	111.0	-3.9	31.9
14.								10.1	9.5	10.4	13.9	14.0	10.7	9.9	.8	.8
15s.								41.2	35.7	38.6	49.8	48.4	36.5	35.9	.5	12.5
15d.								166.0	142.9	157.5	251.8	274.9	165.6	160.4	5.2	114.5
16.								41.2	35.7	40.6	48.8	58.5	45.9	41.8	4.1	16.6
17.										23.7	33.0	36.5	24.4	23.1	1.3	1.3
18.										82.9	111.9	102.8	44.2	60.5	-16.4	-16.4
19.										181.6	197.7	208.1	197.4	197.2	.2	.2
20.													241.7	239.7	2.0	
21.											137.3	142.2	134.4	128.9	5.5	5.5
22.												128.1	93.5	88.8	4.7	4.7
23.												89.2	63.9	64.7	-9	-9
24.												83.9	63.8	59.7	4.1	4.1
25.												102.5	103.7	104.0	-3	
26.												127.6	94.4	82.6	11.8	
27.												98.6	89.3	80.3	9.0	
28.																
29.												97.7	87.9		9.0	
30.												118.5			13.3	
31.												211.8	200.0		15.0	
32.														173.1		

1. HQ Well Depth to Water



Depth to Water

7/5/23: 114.8 feet

8/5/23: 119.9 feet

Δ -5.1 feet

Depth to Water

7/5/24: 108.4 feet

8/5/24: 113.1 feet

Δ -4.7 feet

Preliminary Financial Report

Highlights as of July 31, 2024

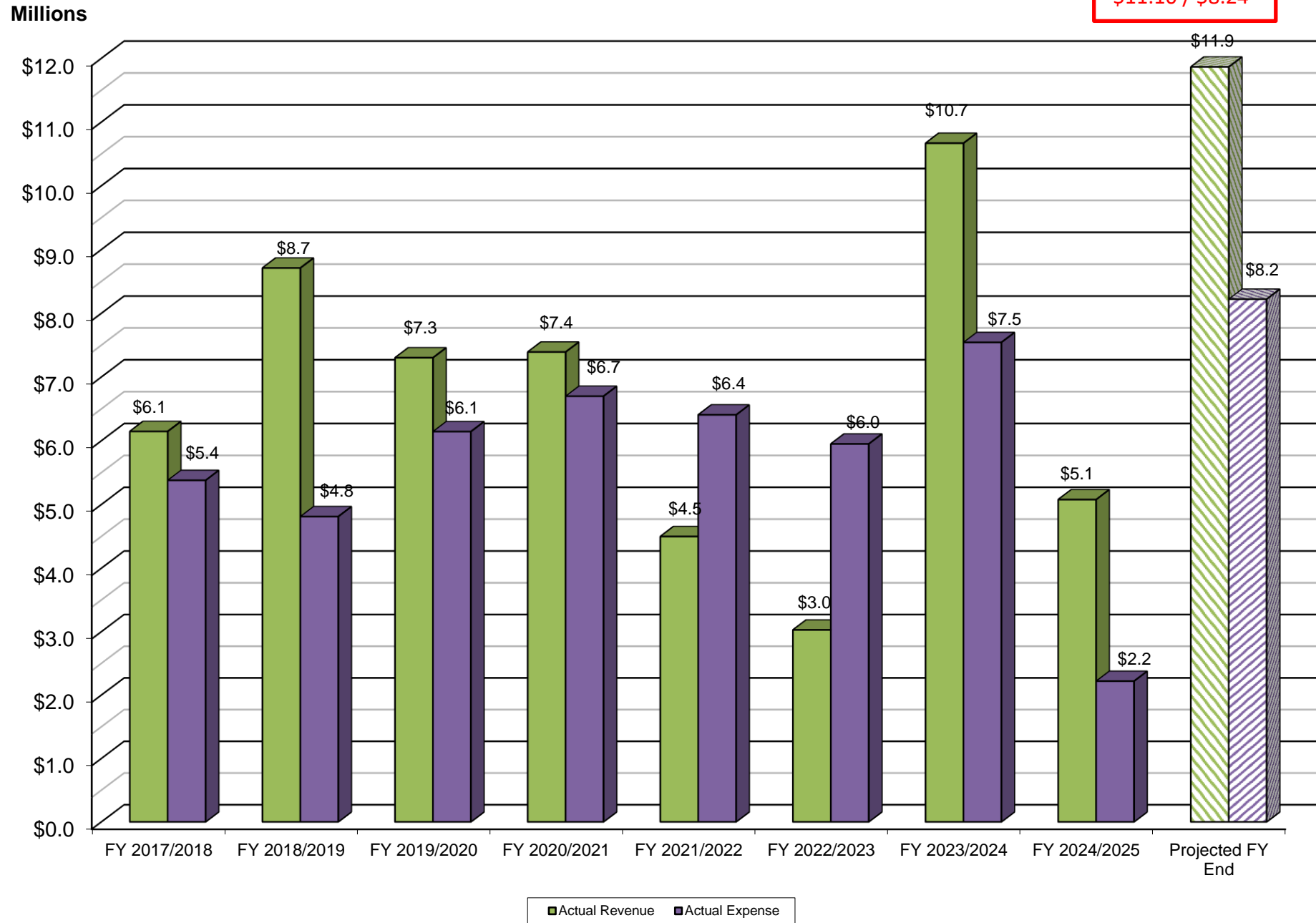
Preliminary Budget Summary as of 07/31/2024

Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$ 4,675,740	\$ 6,104,280	\$ (1,428,540)
Non-Agricultural (M&I) Water Sales	\$ 135,590	\$ 343,285	\$ (207,695)
Property Taxes *includes Special Property Tax Assessment	\$ -	\$ 2,716,000	\$ (2,716,000)
IV Dam Hydro thru 6/30/24 (less fees)	\$ 86,687	\$ 300,000	\$ (213,313)
Other Revenue	\$ 223,290	\$ 1,633,000	\$ (1,409,710)
<i>Shared Services Revenue</i>	\$ 51,868	\$ 350,000	\$ (298,132)
<i>YSGA Reimbursements</i>	\$ 84,975	\$ 400,000	\$ (315,025)
<i>Interest</i>	\$ 82,554	\$ 225,000	\$ (142,446)
<i>Other (includes FEMA)</i>	\$ 3,893	\$ 658,000	\$ (654,107)
TOTAL REVENUE	\$ 5,123,622	\$ 11,096,565	\$ (5,972,943)

Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$ 492,809	\$ 1,366,885	\$ (874,076)
General Administration & General Plant	\$ 861,595	\$ 2,759,351	\$ (1,897,756)
Other Expenses	\$ 1,032,050	\$ 4,110,870	\$ (3,078,820)
TOTAL EXPENSES	\$ 2,219,362	\$ 8,237,106	\$ (6,017,744)

Comparison of Actual Revenue vs. Actual Expense

Original Budget
\$11.10 / \$8.24



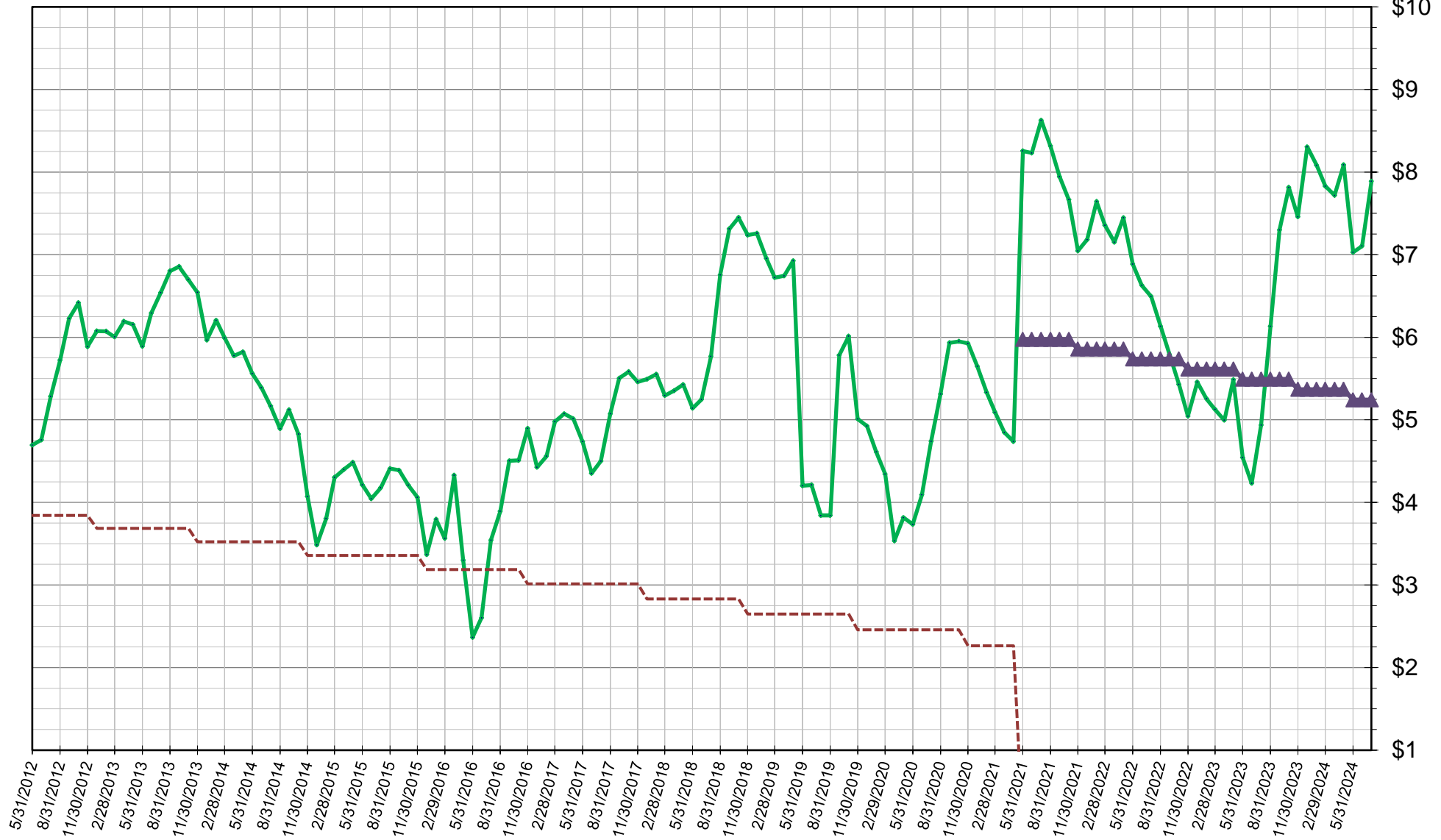
Cash History

— Total Cash & Investments

- - - SWRCB Loan Debt

▲ ZION BANK LOAN DEBT

Millions



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

Breakdown of Cash Accounts

7/31/2024

	Rate	Balance
<u>CASH</u>		
River City Bank Business Checking		194,938
River City Bank Public Fund Money Market Plus 1410	4.53%	1,087,577
River City Bank Public Fund Money Market - CIP - 4429	4.51%	3,566,373
River City Bank - Depository Agent Fund	4.51%	191,371
Yolo County Treasurer - Fund #7270		-
Petty Cash		350
TOTAL		\$ 5,040,609
<u>TEMPORARY INVESTMENTS</u>		
LAIF - YCFC Enterprise Fund	4.52%	438,114
LAIF - Drought Reserve Fund	4.52%	1,626,606
LAIF - Capital Recovery Fund	4.52%	146,670
LAIF - COVID Relief Funds	4.52%	579,540
TOTAL		\$ 2,790,929
<u>TOTAL CASH AND INVESTMENTS</u>		\$ 7,831,538

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 (July 10 – August 6)

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**
- **AGM and Finance Director Onboarding**
- **Strategic Plan Interview Coordination**
- **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 (July 10-August 6)

OUTREACH:

1. Westside Sacramento IRWM Coordination Meeting (July 10)
2. YSGA Wetlands Working Group Meeting (July 12)
3. NCWA Water Management Series Meeting (July 15)
4. YSGA Board of Directors Meeting (July 15)
5. Colusa Drain MWC Board Meeting (July 17)
6. Lake County Staff Tour of Cache Creek Dam (July 29)
7. YSGA Meeting with Supervisor Mary Vixie Sandy (July 31)
8. Meeting with NCWA and Yolo County to Discuss Bay-Delta Plan Amendments (July 31)
9. YSGA Board of Directors Meeting (July 31)
10. Meeting with Valley Clean Energy (August 2)
11. NCWA Bay-Delta Task Force Meeting (August 5)

Upcoming Meetings & Events

1. ACWA State Legislative Committee Meetings (August 9 and 28)
2. YSGA: China Slough Rehab. Project – Landowner Meetings (August 13 and 27)
3. Hungry Hollow Groundwater Committee Meeting (August 19)
4. YSGA Executive Committee Meeting (August 21)
5. UCD Law Symposium: SGMA Implementation (September 6)
6. Yolo Land Trust: A Day in the Country (September 8)
7. NCWA Groundwater Management Task Force Meeting (September 9)
8. Yolo County Financial Oversight Committee Meeting (September 12)
9. ACWA SGMA Implementation Subcommittee Meeting (September 12)
10. YSGA Board of Directors Meeting (September 16)
11. Bucks for Ducks (September 29)

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 #63813-63829)

Check Number	Check Amount	Vendor Name	Invoice Number	Invoice Date	Description	Check Date	Invoice Amount
0000063813	\$52,327.71	ACWA / JPIA EMPLOYEE BENEFITS				8/6/24	
			0703635 SEP 2024	8/1/24	MONTHLY MEDICAL, VISION, LIFE, EAP		52,327.71
0000063814	\$57,089.61	ACWA / JPIA - INSURANCE PAYMENTS				8/6/24	
			001278 PROPERTY	7/16/24	PROPERTY POLICY 7/1/24-7/1/25		40,764.48
			WC 2024 QTR 2	7/17/24	WORKERS COMP QTR 2024-2		16,325.13
0000063815	\$2,707.28	1650-001				8/6/24	
			1650-0001 JUL 2024	7/10/24	GENERAL LEGAL		1,510.25
			1650-0020 JUL 2024	7/10/24	DELTA ISSUES LEGAL		776.65
			1650-0023 JUL 2024	7/10/24	SITES PERMIT AHO		420.38
0000063816	\$5,895.00	GASS, MATHEW				8/6/24	
			20240726	7/26/24	PO6982 ENGINEERING SERVICE FOR 8V60" HJV		5,895.00
0000063817	\$25,795.50	GEI CONSULTANTS, INC.				8/6/24	
			3157188	7/15/24	PROJ.2304186 - IV DAM FERC PART 12D		25,795.50
0000063818	\$5,185.80	INTEGRAL NETWORKS, INC.				8/6/24	
			32565	8/1/24	PO6952 IT SUPPORT SERVICES		5,185.80
0000063819	\$6,959.22	LAKE COUNTY TAX COLLECTOR				8/6/24	
			016-029-170 24/25	7/1/24	IV HYDRO UNSECURED PPTY TAX 2024/2025		6,959.22
0000063820	\$8,379.34	M THREE RANCHES, LLC				8/6/24	
			306811F-IN	8/5/24	COST SHARE- TRAVELING TRASH SCREEN		8,379.34
0000063821	\$59,722.87	NORTHERN CALIFORNIA WATER ASSOCIATION				8/6/24	
			10720	7/2/24	2024 MEMBERSHIP - 2ND INSTALLMENT		59,722.87
0000063822	\$16,263.72	NUTRIEN AG SOLUTIONS, INC.				8/6/24	
			55025957	7/8/24	PO7003 TETON AQUATIC		6,147.36
			55182706	7/22/24	PO7003 COPPER SULFATE MEDIUM		6,649.50
			55185402	7/22/24	HYDROTHOL GRANULAR 200 LB		898.76
			55266835	7/29/24	PO7004 TOP DECK AQUATIC 2X2.5GA		2,568.10
0000063823	\$6,933.37	CARD SERVICE CENTER				8/6/24	
			SICKE1158 JUL24	7/14/24	ZOOM,CARWASH,GISCLOUD,COSTCO,TOGOS,SP RH		6,933.37

0000063824	\$12,563.37	SLATE GEOTECHNICAL CONSULTANTS	8/6/24		
		2457	7/11/24	23-007-01 IV DAM SEEPAGE COLLECTION DSGN	9,398.75
		2473	7/17/24	20-007-02 YC CDSE SERVICES 2020 M.RYAN	3,164.62
0000063825	\$2,796.21	STANDARD INSURANCE COMPANY	8/6/24		
		649299 AUG 2024	8/1/24	MONTHLY DISABILITY INSURANCE	2,796.21
0000063826	\$27,033.75	U.S. GEOLOGICAL SURVEY	8/6/24		
		91176958	7/10/24	JOINT FUNDING AGREEMENT ENDING 9/30/24	27,033.75
0000063827	\$9,712.00	YANCY-GWERDER, INC.	8/6/24		
		280	7/12/24	PO6988 MOBILIZE EXCAVATOR & TRACK, ESCAV	9,712.00
0000063828	\$11,292.83	INTERSTATE OIL COMPANY	8/6/24		
		T635913-IN	8/1/24	PO6980 2900GAL GASOLINE	11,292.83
0000063829	\$16,600.00	MUN CPAs, LLP	8/6/24		
		2838268	7/31/24	PROGRESS BILLING YEAR ENDED APR 30,2024	16,600.00
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	\$ 327,257.58				\$ 327,257.58
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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