

YCFC&WCD BOARD OF DIRECTORS

July 9, 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

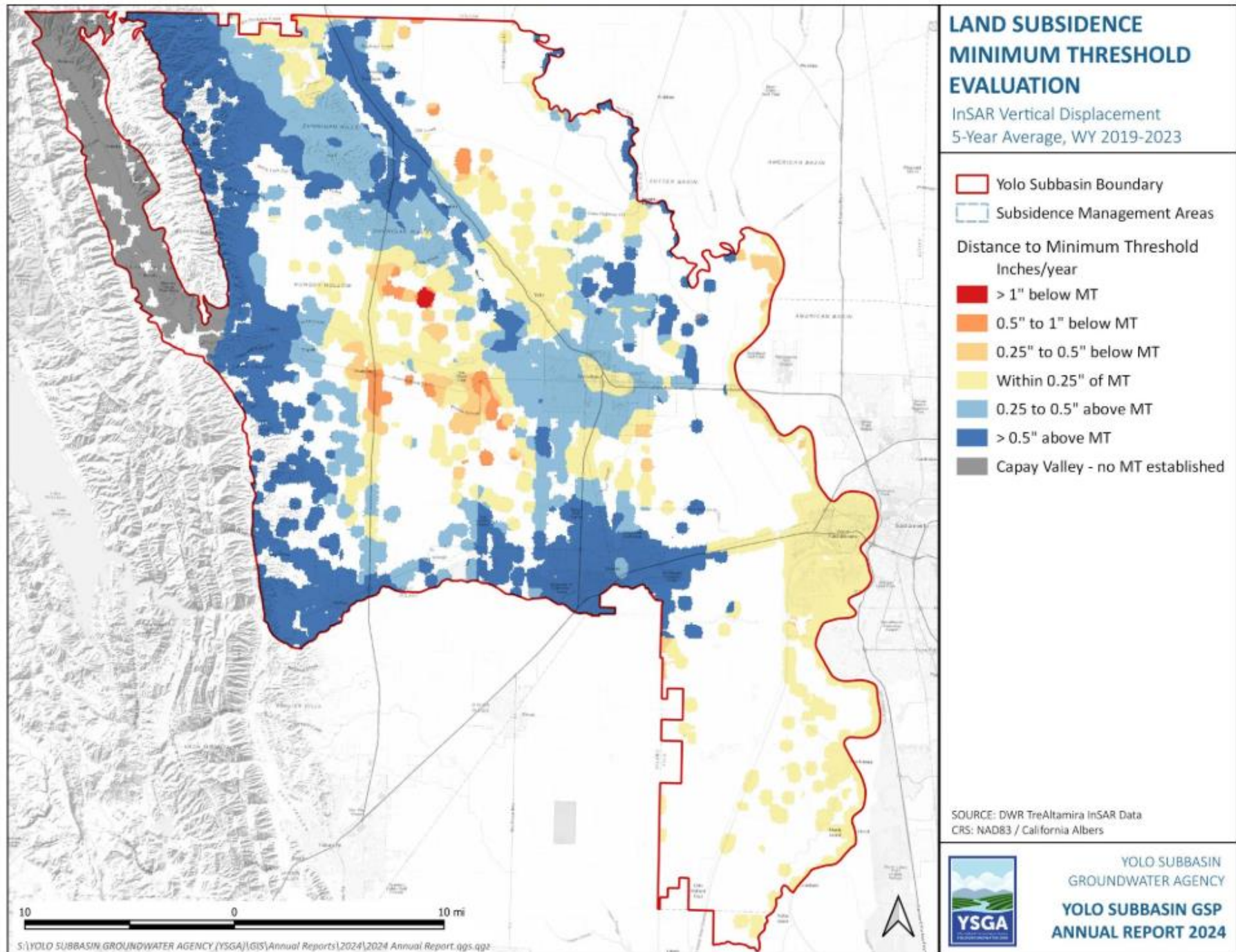
Agenda Item #3

Adding Items to the
Posted Agenda

Agenda Item #4

NCWA Priorities

FIGURE 12: LAND SUBSIDENCE MINIMUM THRESHOLD EVALUATION



- Current Conditions
- Groundwater Levels
- Groundwater Storage
- Water Quality
- Land Subsidence**

Land Subsidence Layers

- DWR Extensometers
- USGS Extensometers
- GPS Stations
- Estimated Vertical Displacement SJV DWR 1949 to 2005 (feet)

TRE Altamira InSAR Dataset

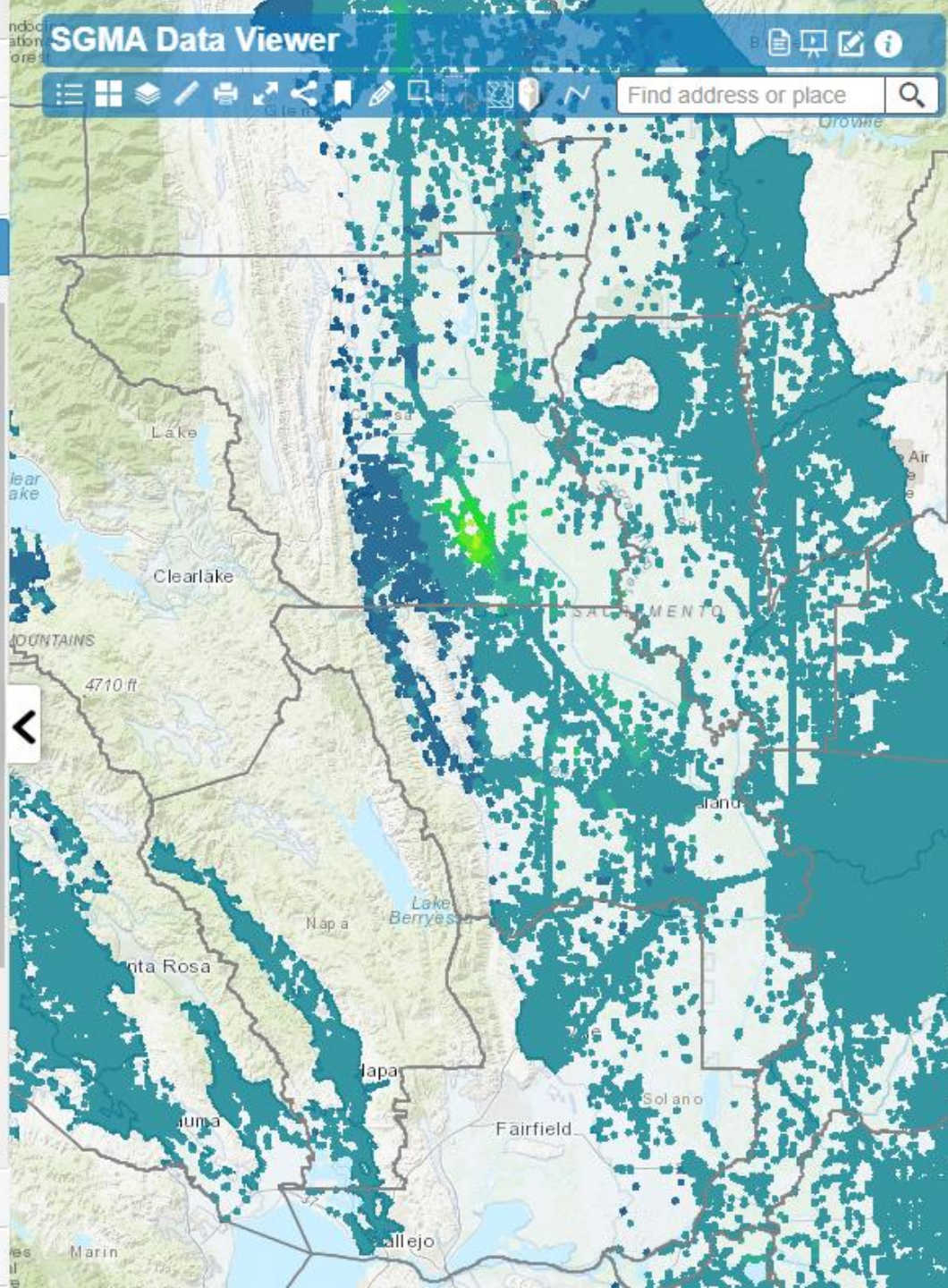
- Vertical Displacement Point Data

Total Raster ▾
 06/13/2015 × ▾ 04/01/2024 × ▾

- Vertical Displacement Raster Data

- <-5.5 (feet)
- 5.5 to -5 (feet)
- 5 to -4.5 (feet)
- 4.5 to -4 (feet)
- 4 to -3.5 (feet)
- 3.5 to -3 (feet)
- 3 to -2.5 (feet)
- 2.5 to -2 (feet)
- 2 to -1.5 (feet)
- 1.5 to -1 (feet)

- Interconnected Surface Water
- Water Budget



Agenda Item #5

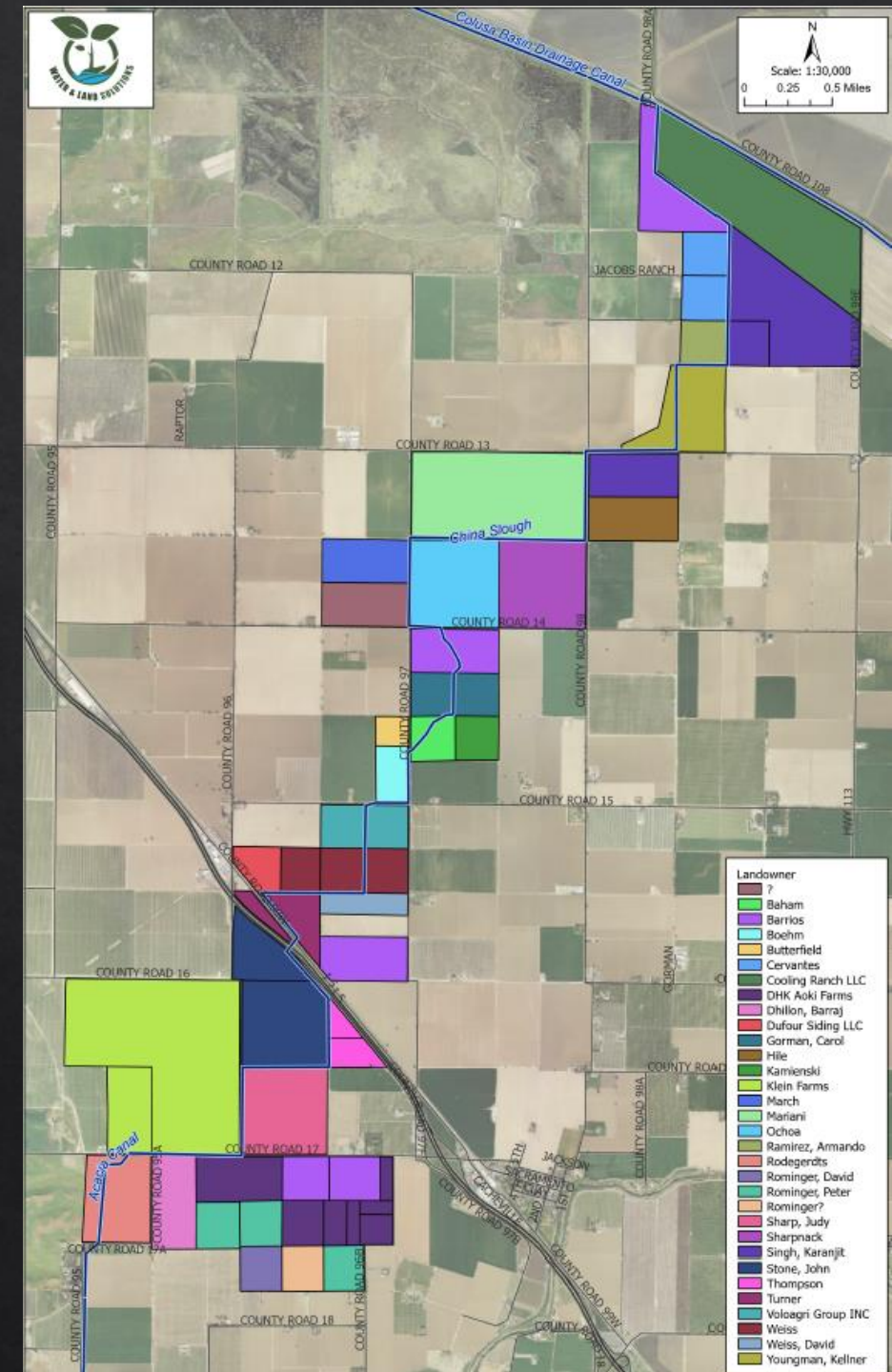
YSGA Update

SGMA Implementation Grant Funding

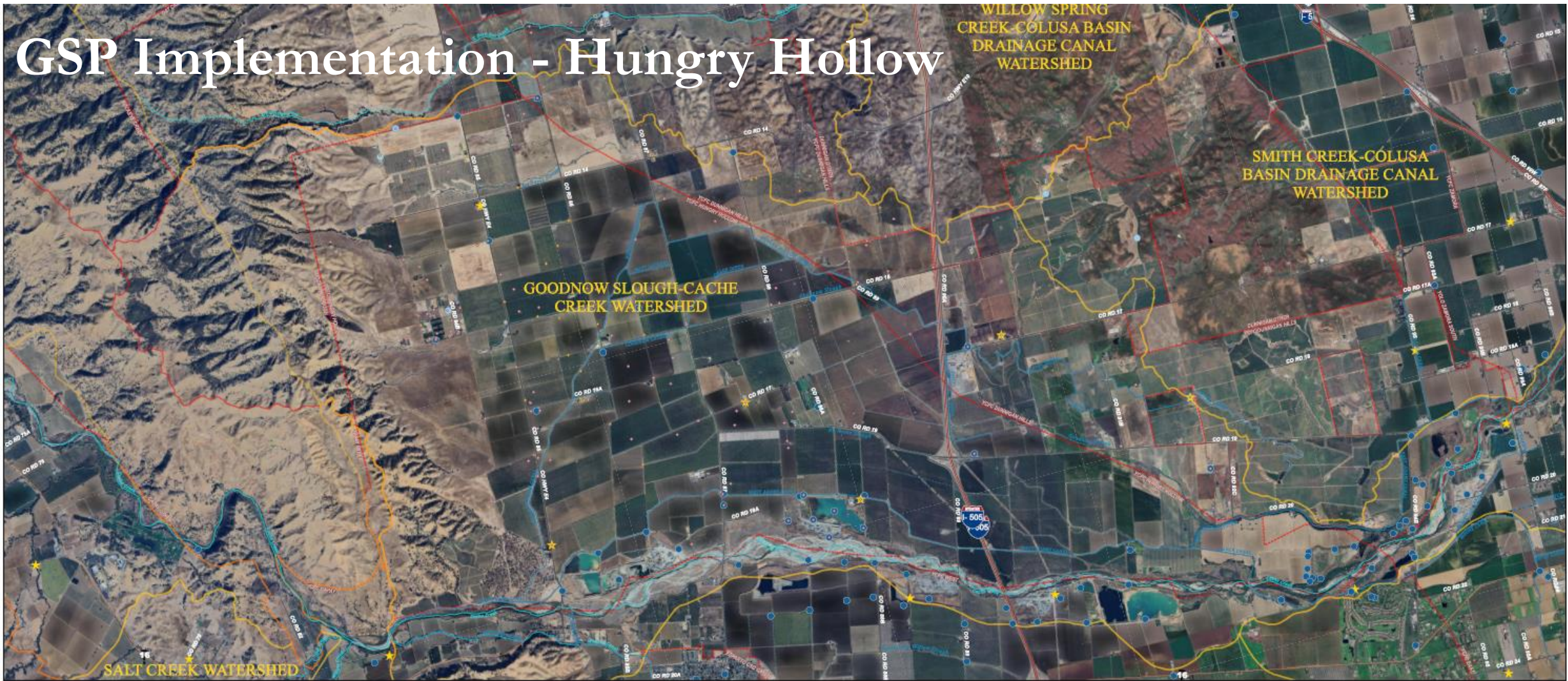
Components	Grant Amount
Component 1: Grant Administration	\$613,875
Component 2: Yolo Subbasin GSP Implementation	\$1,721,000
Component 3: Yolo-Zamora Groundwater Recharge Pilot Project	\$1,221,050
Component 4: Dunnigan Area Recharge Program	\$1,180,950
Component 5: City of Winters Feasibility Studies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

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 workshop Aug./Sept.
- Water availability analysis expected to begin Sept./Oct.



GSP Implementation - Hungry Hollow



Hungry Hollow Area Map

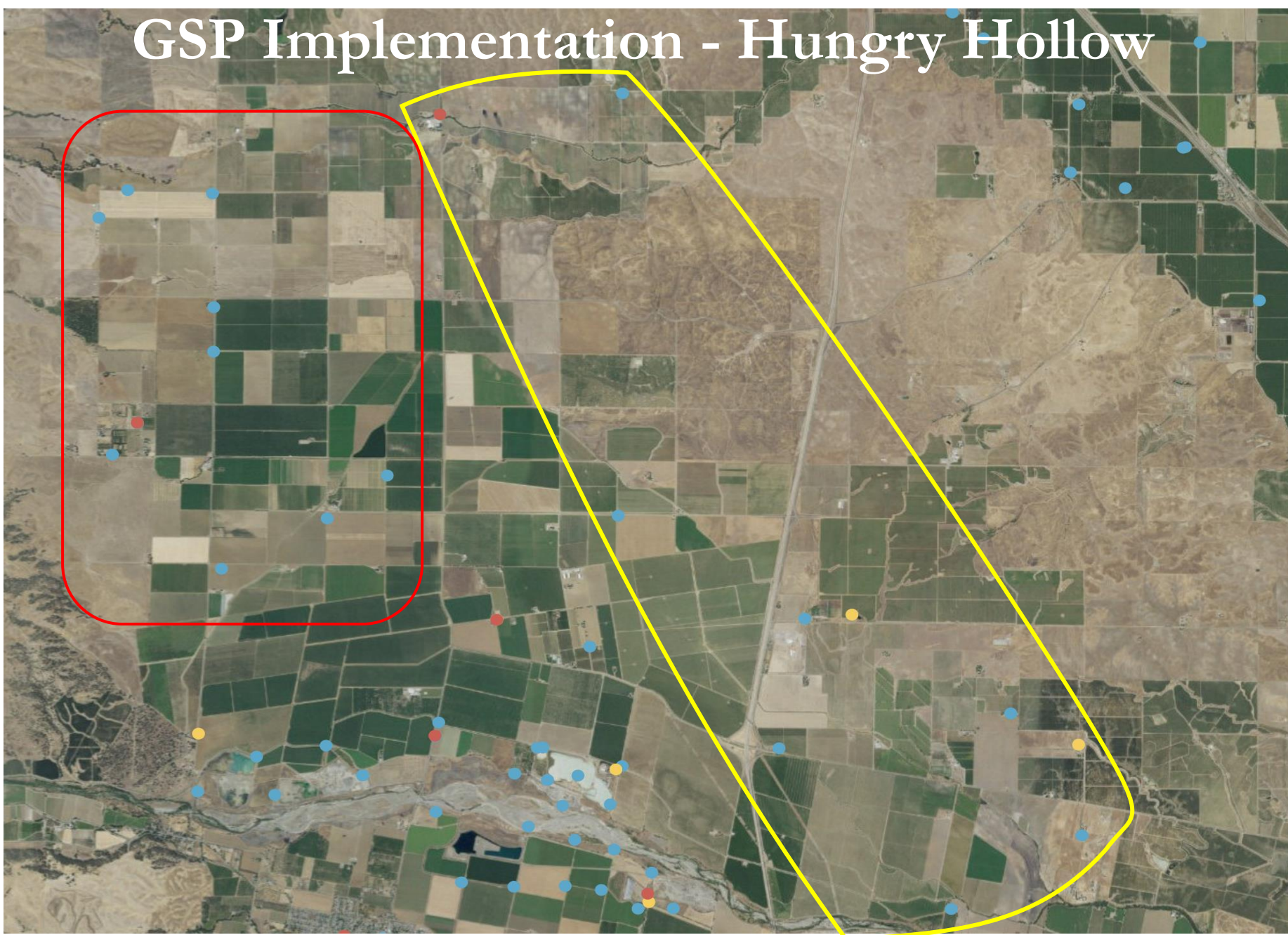
For Community Meeting
June 24, 2024

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

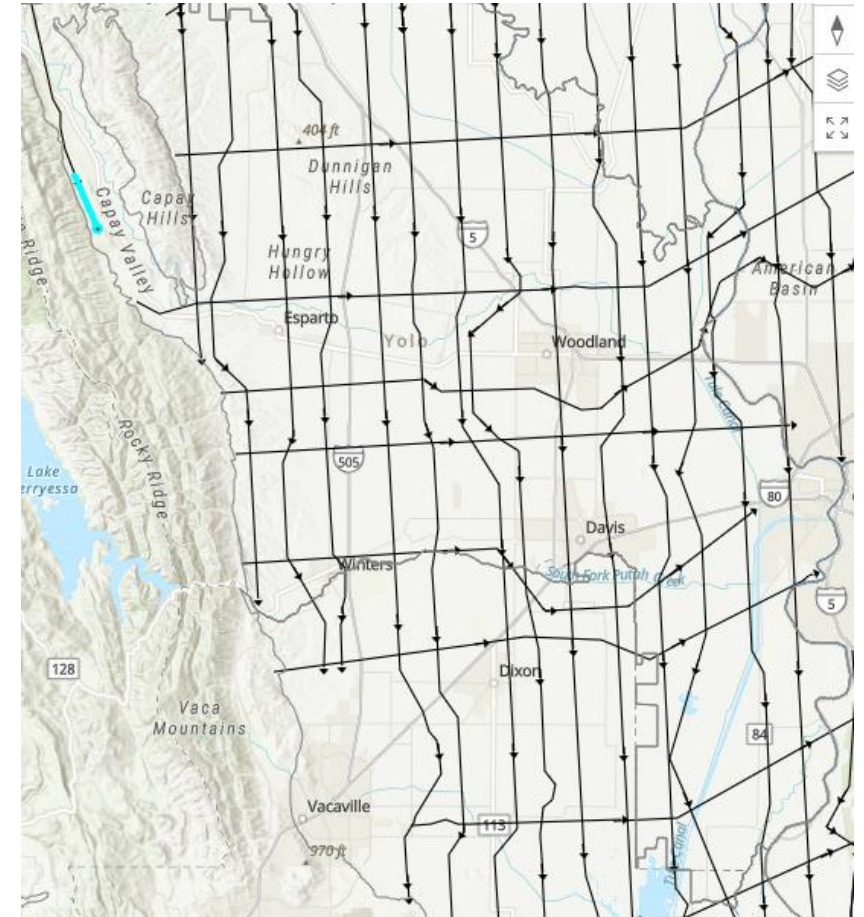


Hungry Hollow Groundwater Working Group Update

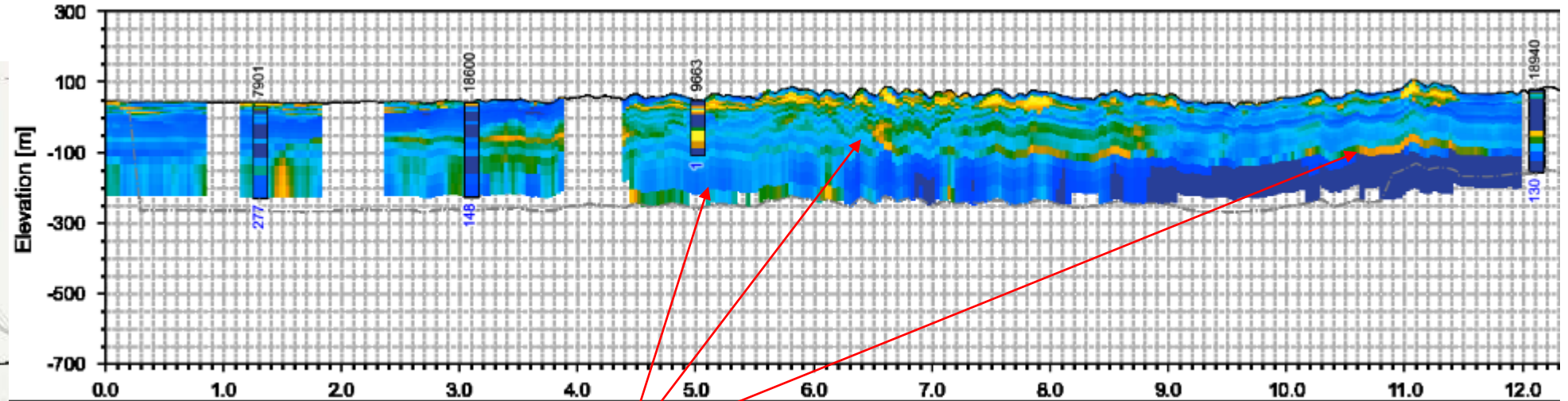
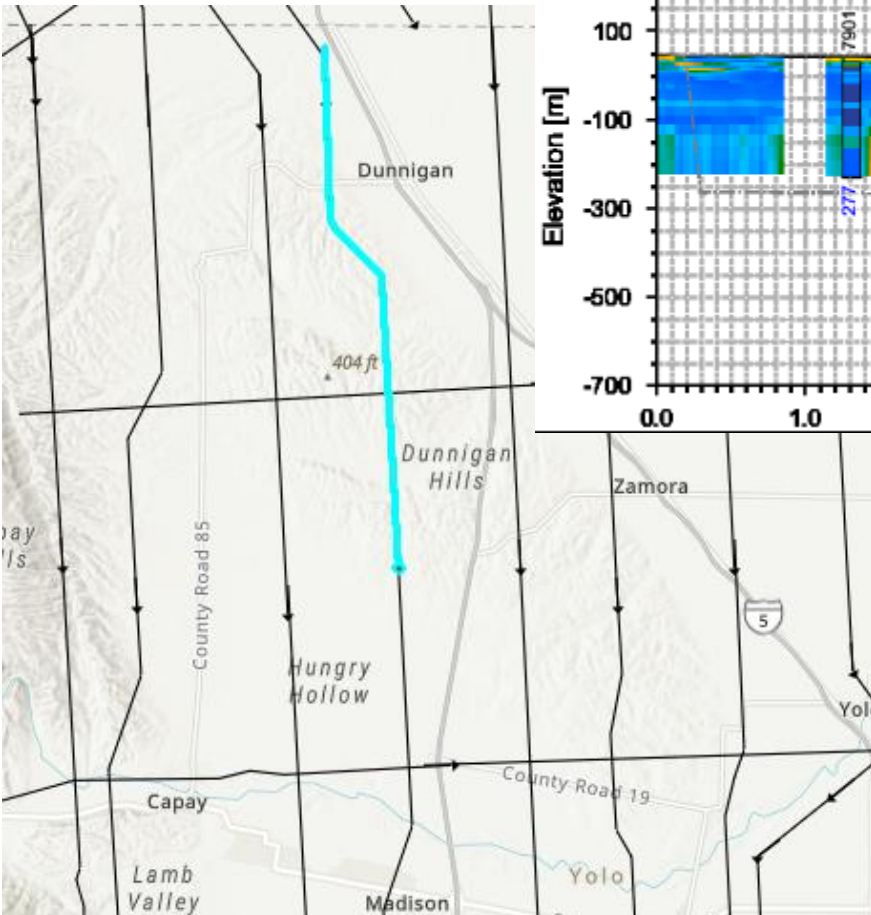
- YSGA staff updating well log database and will
 - develop geologic/hydrogeologic cross sections
 - assist SEI with updating the aquifer parameters for the model
 - identify PMAs based on updated hydrogeologic conceptual understanding of Hungry Hollow
 - collaborate with Hungry Hollow Groundwater Working 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

Airborne Electromagnetic (AEM) Survey Data in Yolo

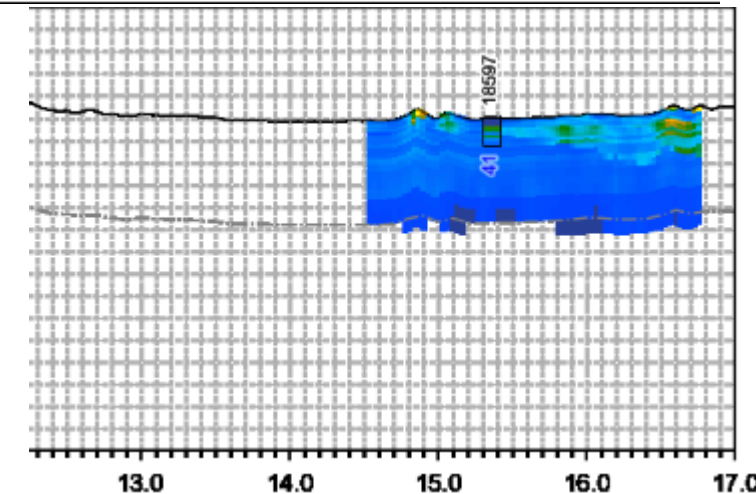
- “X-ray” of the subsurface along flight lines up to 1,000 feet deep
- Generally, data provides *relative* accuracy
 - where coarser v. finer grained material are relative to one another
 - where saline v. fresh water zones are relative to one another
 - subsurface structure (folding, layering) and faulting



Airborne Electromagnetic (AEM) Survey Data in Yolo



Examples of relative change, geologic structure, etc.



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 Finance Committee Meetings (June 18 and July 8)
- iii. Hungry Hollow Groundwater Committee Meeting (June 24)
- iv. Groundwater Committee Meeting (June 26)

Agenda Item #7

General Manager's Report

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

Current Water Conditions (07-09-24)

	<u>Elevation</u>	<u>Available</u>	<u>2023</u>
Clear Lake			
• July 9	5.22'	79,470 AF	5.43' (75,466 AF)
• June 9	6.40'	103,920 AF	
• Total Difference	-1.18'	-24,450 AF	
Indian Valley Reservoir			
• July 9	1,472.17'	251,100 AF	1,452.65' (184,200 AF)
• June 9	1,476.40'	267,100 AF	
• Total Difference	4.23'	16,000 AF	

Reservoir Releases:

Cache Creek Dam: 580 cfs

Indian Valley Reservoir: 230 cfs

- West Adams Canal Diversions: 273 cfs
- Winters Canal Diversion: 444 cfs

Facility	Precipitation (10/1/23 – 7/9/24)
Cache Creek Dam	28.47"
Indian Valley Reservoir	32.04"
Headquarters	19.40"

7 days 30 days 1 year

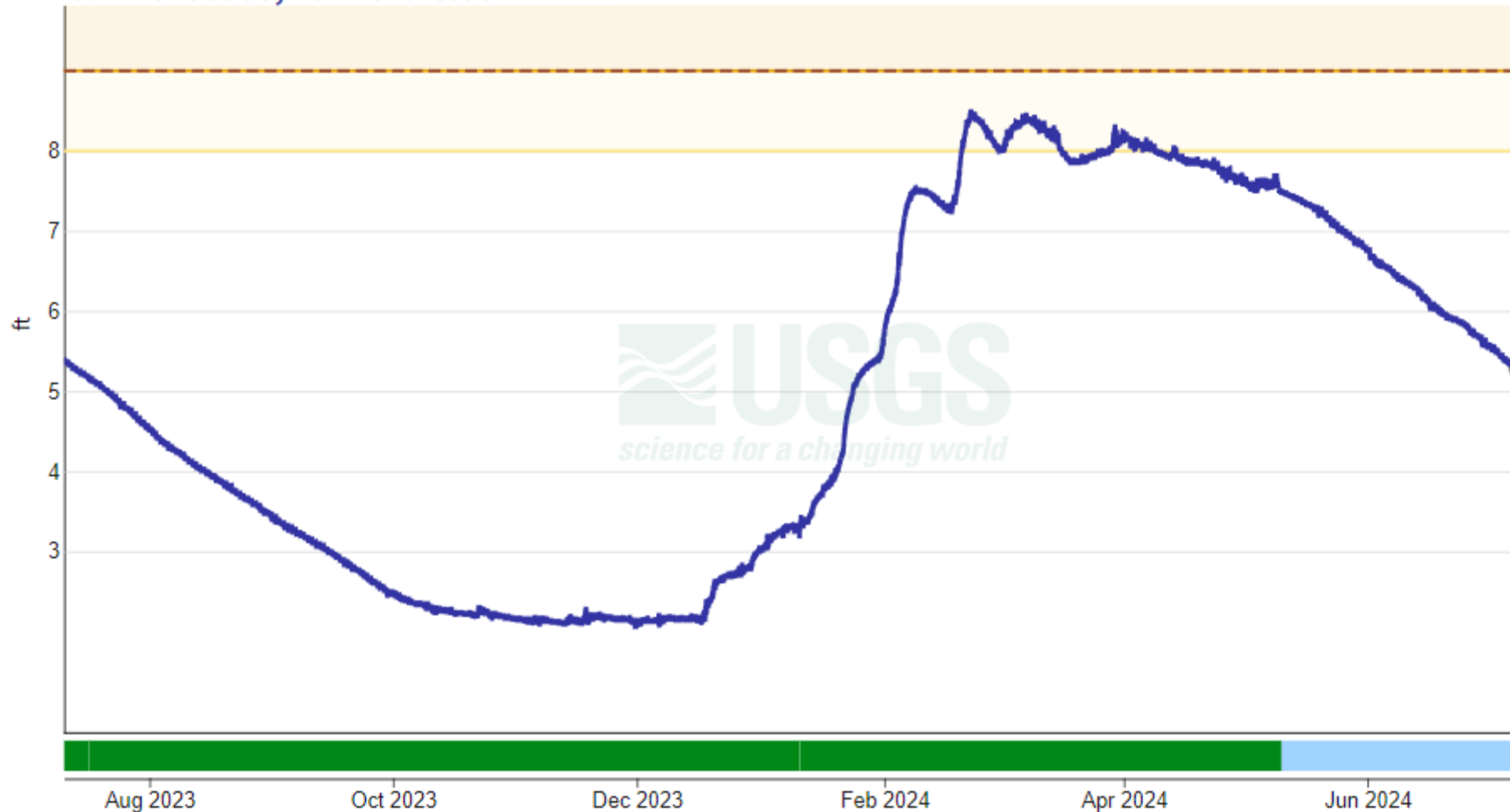
Scale

Clear LK a Lakeport CA - 11450000

July 10, 2023 - July 9, 2024

Gage height, feet

5.27 ft - Jul 08, 2024 01:15:00 PM PDT



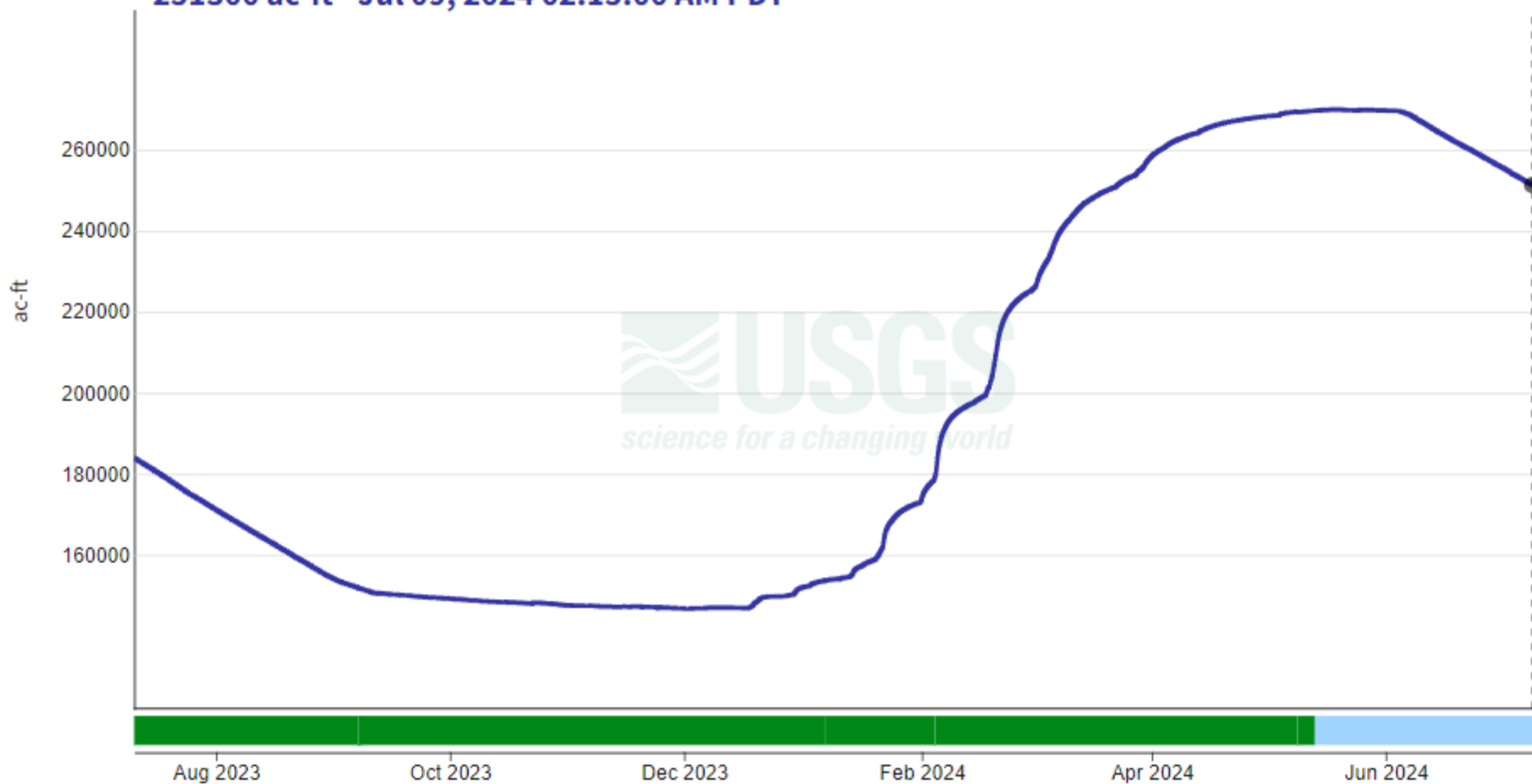
7 days 30 days 1 year

Scale

Indian Valley Res a Clearlake Oaks CA - 11451290

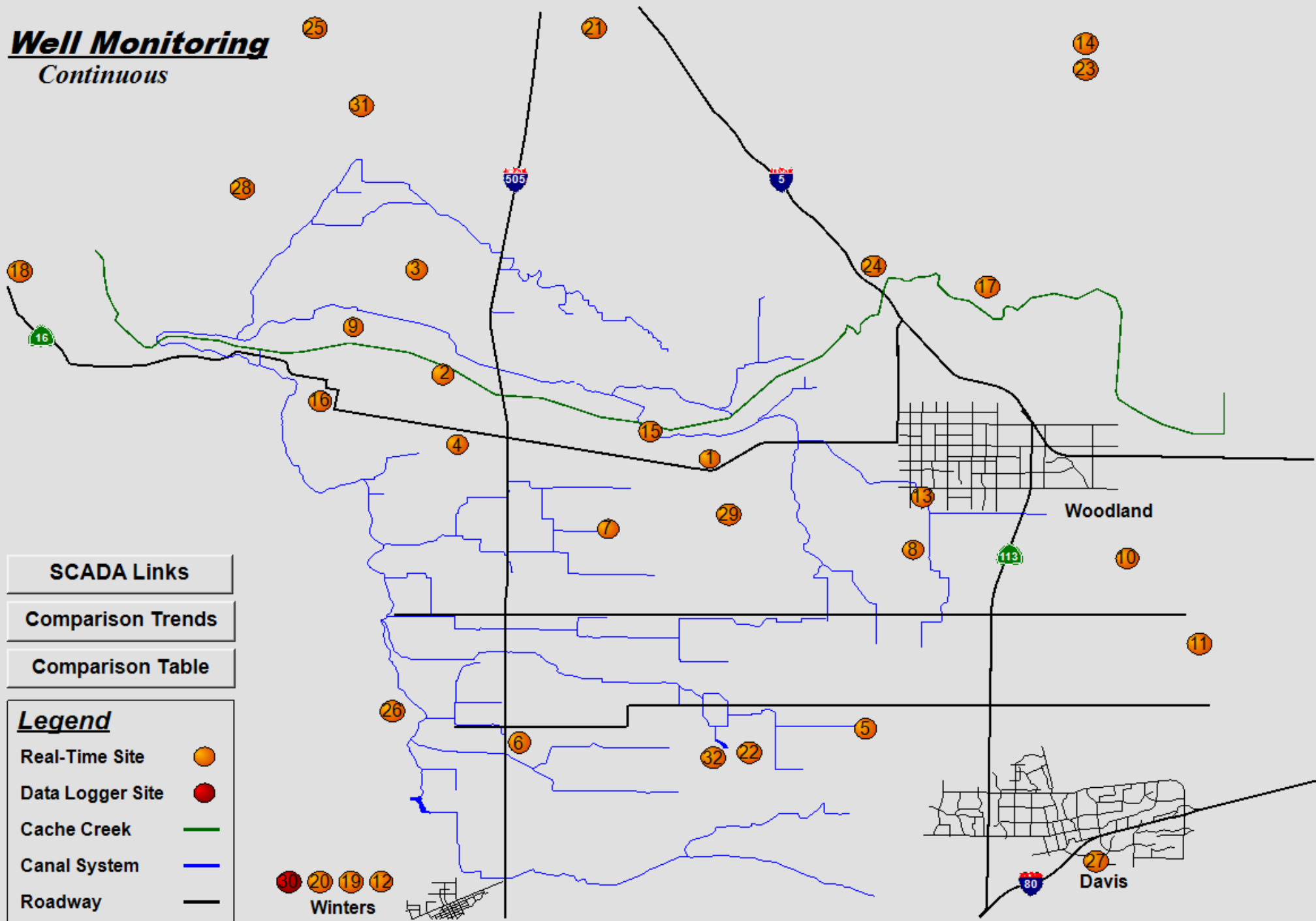
July 10, 2023 - July 9, 2024
Reservoir storage, acre-feet

251300 ac-ft - Jul 09, 2024 02:15:00 AM PDT

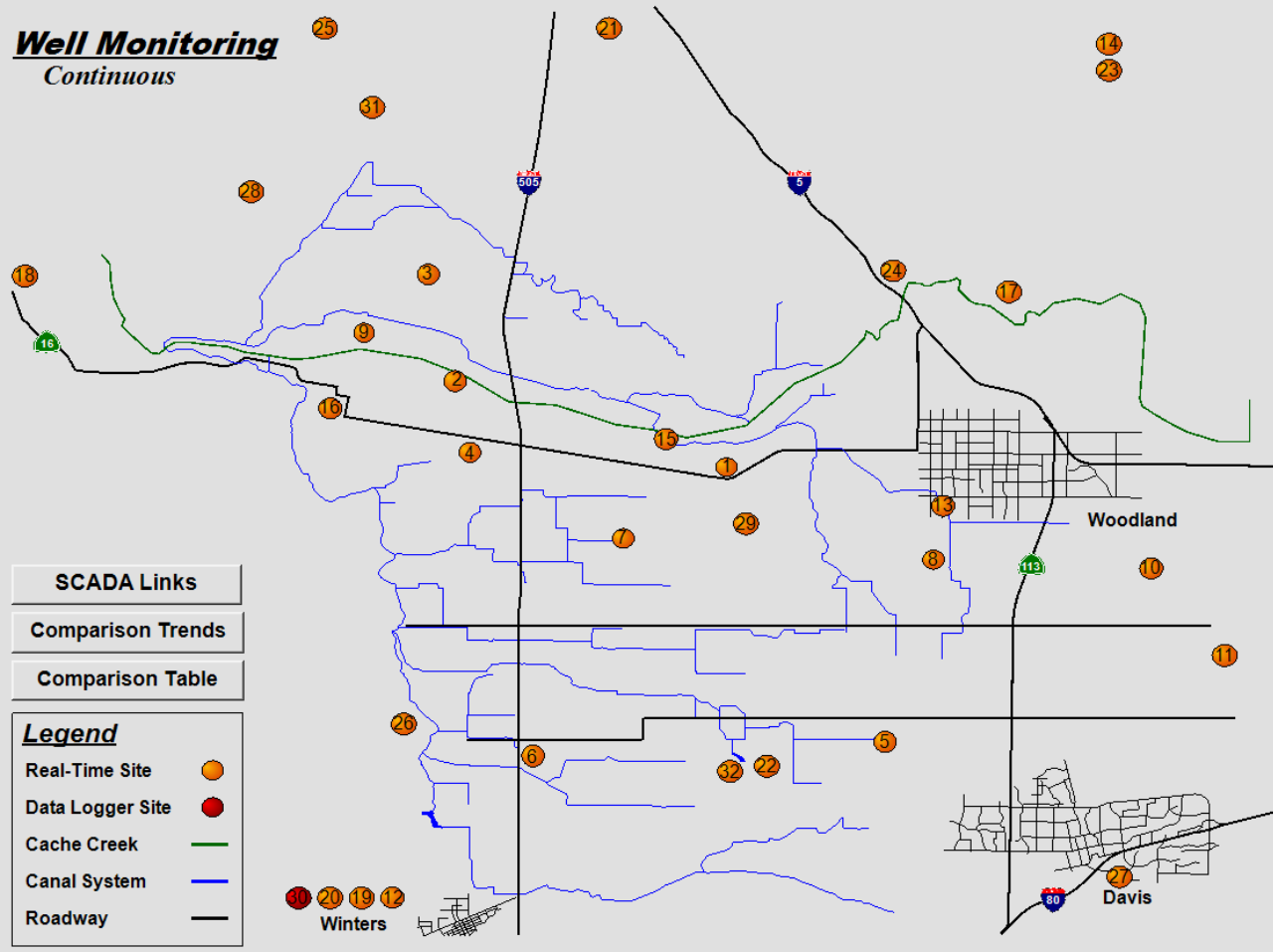


Well Monitoring

Continuous



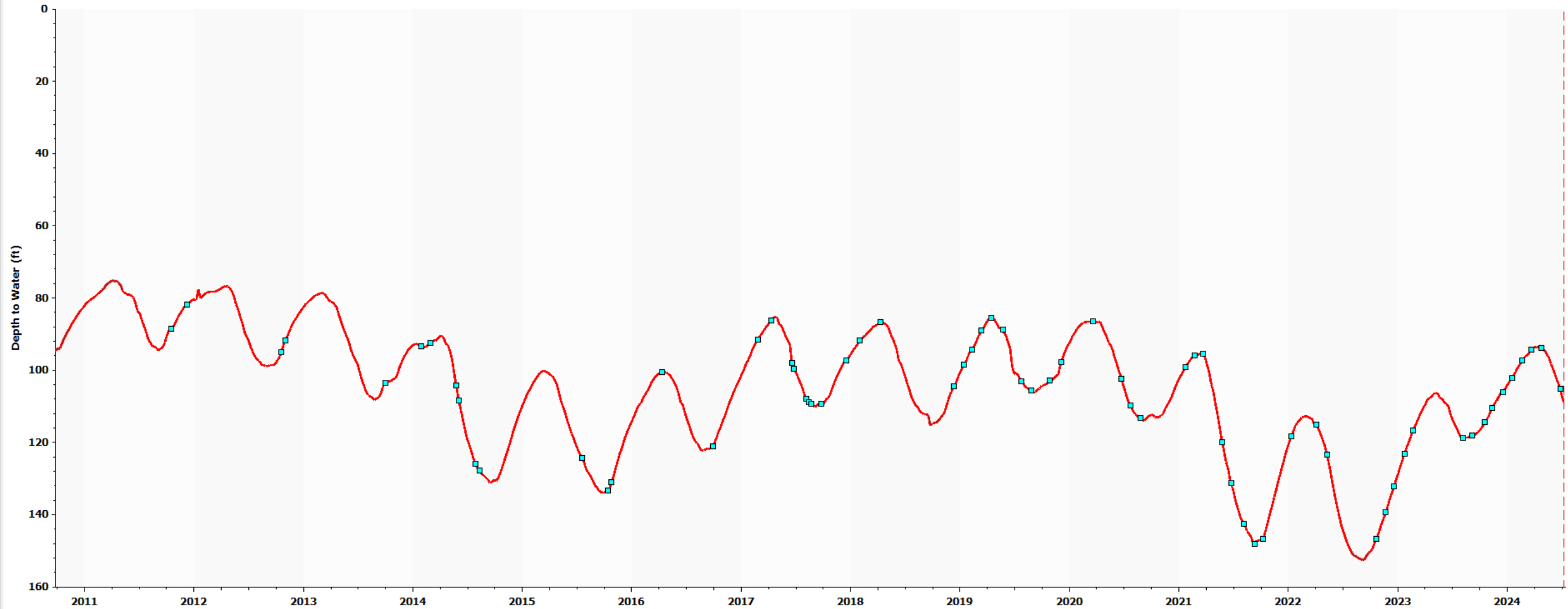
Well Monitoring
Continuous



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.	86.4	93.8	101.3	121.7	122.9	115.3	101.4	104.2	104.5	108.8	136.8	146.5	115.1	109.1	6.0	37.4
2.	45.2	51.3	53.1	57.4	60.3	48.4	29.4	33.3	29.4	31.8	40.3	51.3	35.7	32.2	3.5	19.1
3.	39.2	44.4	50.8	78.6	73.8	60.0	38.1	43.3	36.7	43.0	67.5	87.0	57.3	44.8	12.5	42.2
4.	32.9	37.8	43.7	70.6	65.0	48.8	40.6	35.6	36.7	39.0	55.7	68.7	40.9	40.4	.5	28.3
5.		15.7	18.1	32.2	33.6	36.2	21.0	28.4	15.9	21.8	34.0	41.4	27.2	25.4	1.8	16.0
6.		57.5	61.5	89.4	83.8	61.6	47.1	47.9	37.3	45.3	71.8	81.3	61.6	58.0	3.6	23.3
7.				43.1	43.1	26.6	17.1	19.5	16.5	23.4	41.6	45.6	23.4	19.5	3.9	26.1
8.				92.6	91.5	88.0	72.7	73.5	56.5	68.2	88.7	97.9	68.9	73.8	-4.9	24.1
9.				70.3	67.9	57.0	40.5	44.0	39.8	43.7	59.7	74.8	50.4	44.0	6.4	30.8
10.					134.5	122.6	56.4	105.1	70.8	107.0	129.5	139.8	97.6	110.3	-12.7	29.6
11.					33.7	29.6	17.1	25.3	16.8	26.9	33.1	35.8	21.7	24.9	-3.2	10.9
12.									119.8	123.3	145.2	155.5	141.3	142.3	-1.0	13.2
13.								126.8	91.6	112.8	139.3	145.4	100.8	112.9	-12.1	32.6
14.									8.8	10.0	13.3	12.7	10.0	9.7	.4	.4
15s.								39.9	34.7	37.6	52.2	48.6	35.5	34.7	.8	13.9
15d.								151.8	133.3	143.3	253.2	281.4	161.3	160.8	.5	120.6
16.								39.9	34.7	40.6	46.6	56.7	47.5	41.9	5.6	14.9
17.										23.0	32.1	35.6	24.0	21.9	2.1	2.1
18.										79.1	101.7	86.9	46.5	48.3	-1.7	-1.7
19.										176.7	192.1	204.6	193.4	191.9	1.5	1.5
20.														237.3		
21.											136.1	142.1	133.1	127.7	5.5	5.5
22.												127.6	86.3	88.0	-1.8	-1.8
23.												87.9	61.5	69.7	-8.3	-8.3
24.												86.9	63.9	63.8	.1	.1
25.												102.4	103.5	104.2	-.7	
26.													93.0	88.0	5.1	
27.													78.4	92.4	-14.0	
28.																
29.												94.9	85.3		12.3	
30.													110.6	109.6	1.1	
31.													202.8	188.4	14.5	
32.														108.2		

1. HQ Well Depth to Water



Depth to Water

6/9/23: 109.5 feet

7/9/23: 115.1 feet

Δ -5.6 feet

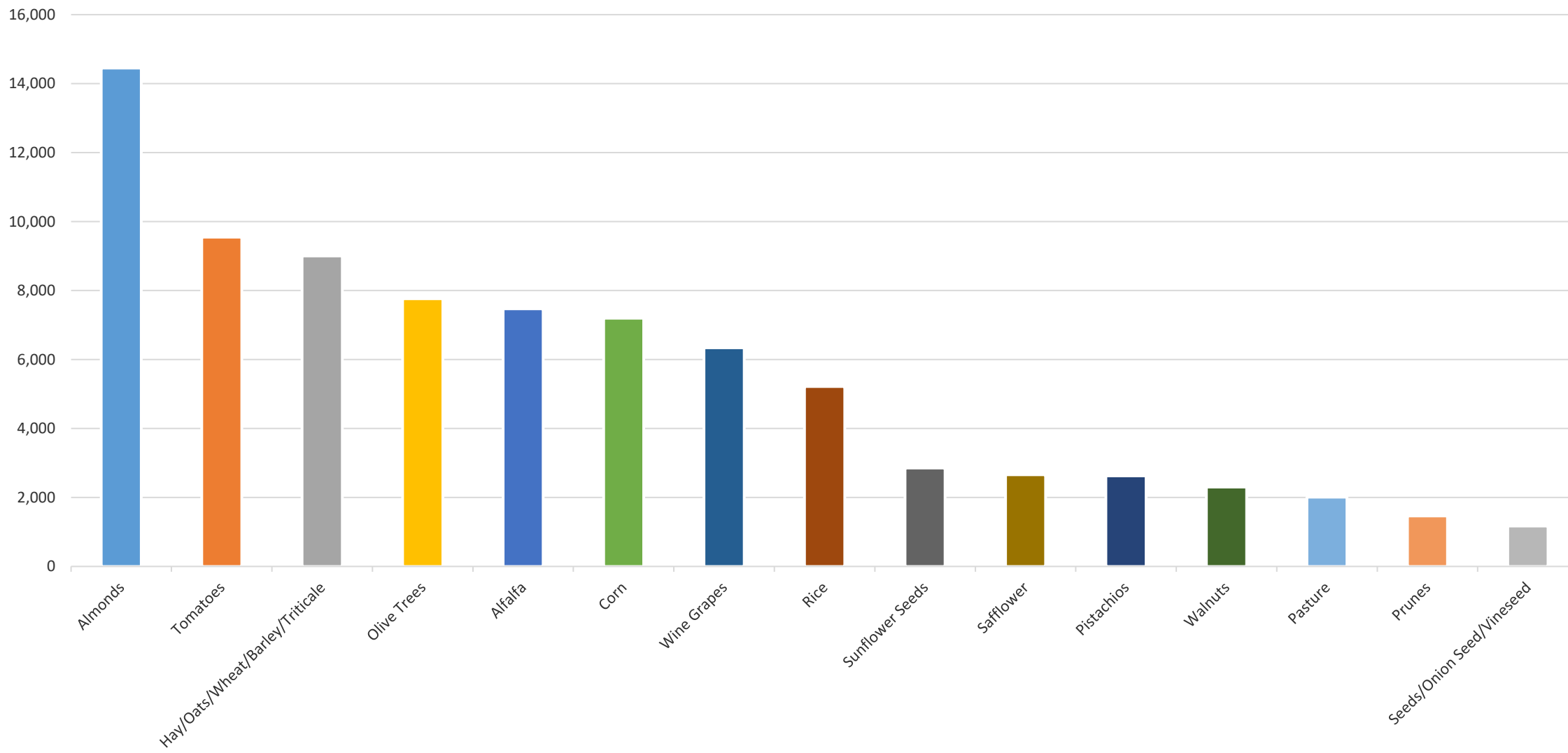
Depth to Water

6/9/24: 101.2 feet

7/9/24: 109.1 feet

Δ -7.9 feet

2024 Top 20+ Crops Signed Up



Preliminary Financial Report

Highlights as of June 30, 2024

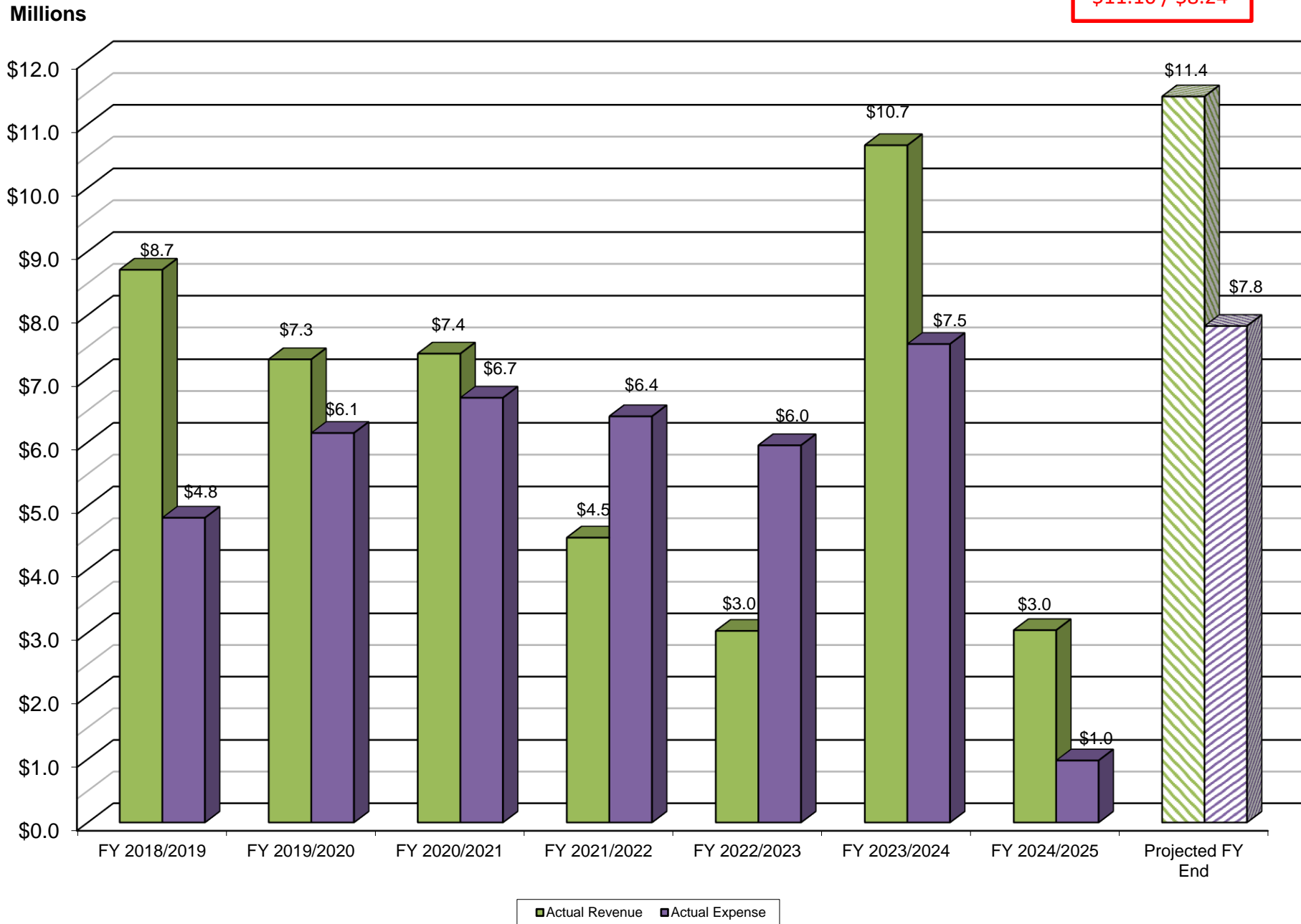
Preliminary Budget Summary as of 06/30/2024

Key Revenue Drivers	Year-to-Date	Budget	Difference
Agricultural Water Sales	\$2,897,877	\$6,104,280	(\$3,206,403)
Non-Agricultural (M&I) Water Sales	\$66,254	\$343,285	(\$277,031)
Property Taxes *includes Special Property Tax Assessment	\$0	\$2,716,000	(\$2,716,000)
IV Dam Hydro (less fees)	\$0	\$300,000	(\$300,000)
Other Revenue	\$58,007	\$1,633,000	(\$1,574,993)
<i>Shared Services Revenue</i>	\$21,448	\$350,000	(\$328,552)
<i>YSGA Reimbursements</i>	\$0	\$400,000	(\$400,000)
<i>Interest</i>	\$32,666	\$225,000	(\$192,334)
<i>Other (includes FEMA)</i>	\$3,893	\$658,000	(\$654,107)
TOTAL REVENUE	\$2,962,509	\$11,096,565	(\$8,134,056)

Key Expense Drivers	Year-to-Date	Budget	Difference
Transmission and Distribution (O&M)	\$247,364	\$1,366,885	(\$1,119,521)
General Administration & General Plant	\$439,393	\$2,759,351	(\$2,319,958)
Other Expenses	\$365,845	\$4,110,870	(\$3,745,025)
TOTAL EXPENSES	\$1,052,602	\$8,237,106	(\$7,184,504)

Comparison of Actual Revenue vs. Actual Expense

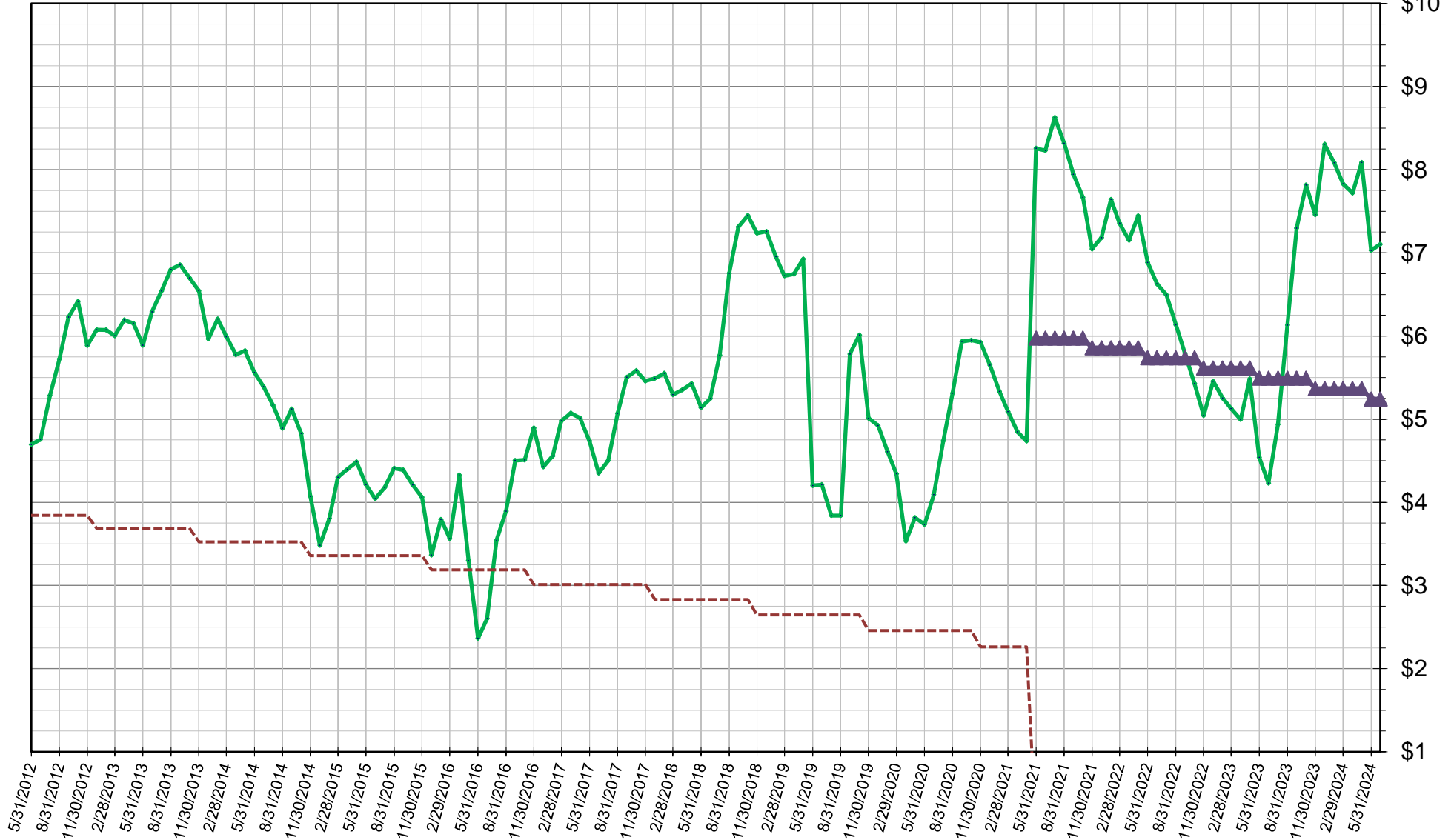
Original Budget
\$11.10 / \$8.24



Cash History

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

Millions



Month End

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

Breakdown of Cash Accounts

6/30/2024

	Rate	Balance
<u>CASH</u>		
River City Bank Business Checking	0.00%	197,833
River City Bank Public Fund Money Market Plus 1410	4.40%	402,064
River City Bank Public Fund Money Market - CIP - 4429	4.40%	3,553,070
River City Bank - Depository Agent Fund	4.40%	190,657
Yolo County Treasurer - Fund #7270		-
Petty Cash		350
TOTAL		\$ 4,343,974
<u>TEMPORARY INVESTMENTS</u>		
LAIF - YCFC Enterprise Fund	4.36%	433,224
LAIF - Drought Reserve Fund	4.36%	1,608,452
LAIF - Capital Recovery Fund	4.36%	145,033
LAIF - COVID Relief Funds	4.36%	573,072
TOTAL		\$ 2,759,780
<u>TOTAL CASH AND INVESTMENTS</u>		\$ 7,103,754

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

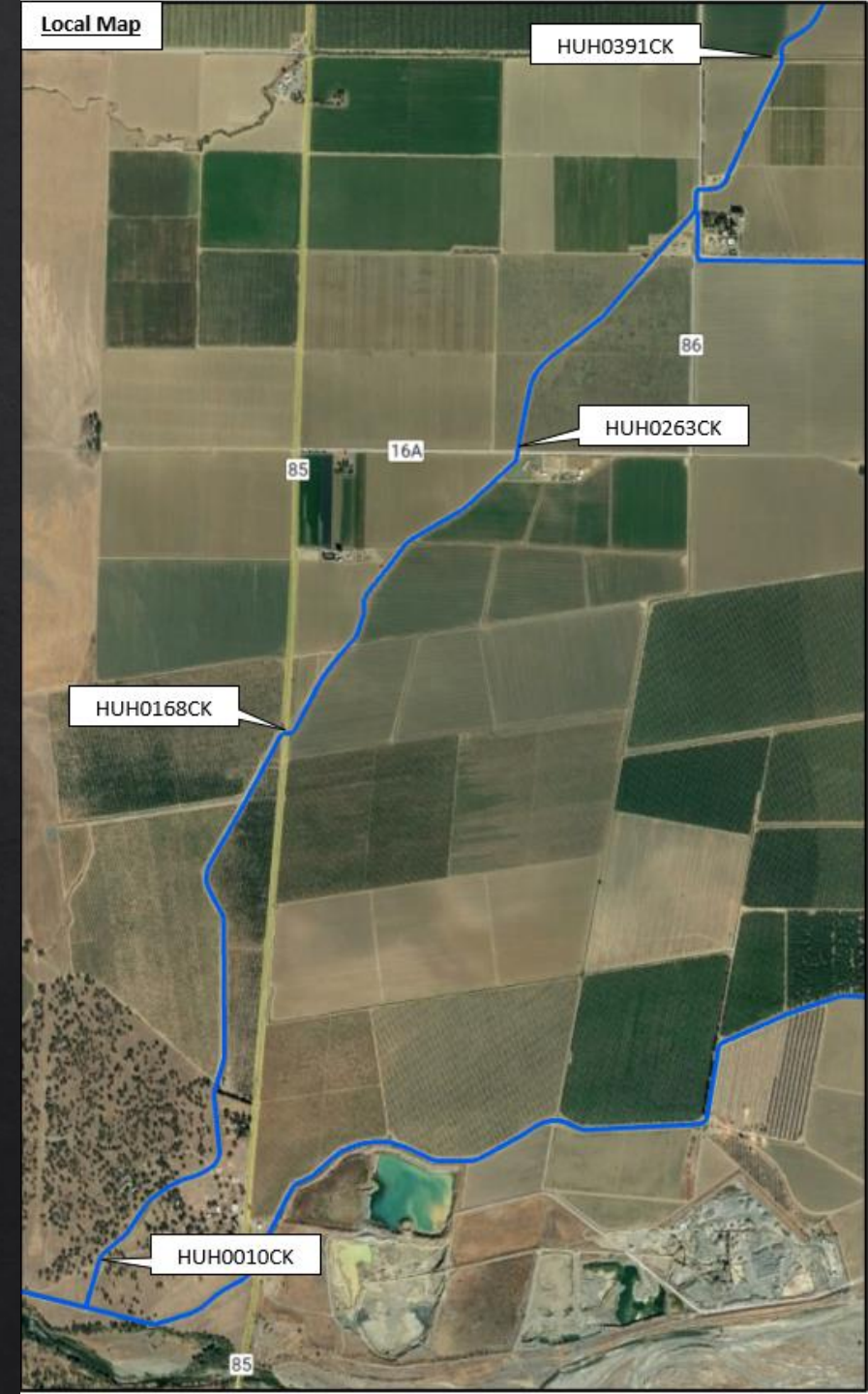
Anticipated Start Date: October 1, 2024



Hungry Hollow Canal Automation

- Project Funding: SGMA Grant and YCFCWCD
- Project Benefits:
 - Canal Level Control
 - Flow Measurement & Control
 - Facilitation of Groundwater Recharge
 - Safety

Site Name	Description of Work	Estimated Schedule	Estimated Cost
HUH0010CK	Gate Installation	5 Days	\$94,000
HUH0168CK	Gate Installation	5 Days	\$47,000
HUH0263CK	Gate Installation	5 Days	\$47,000
HUH0391CK	Gate Installation	5 Days	\$47,000
Construction Total (Labor and Materials)		20 Days	\$235,000



East Adams and Acacia Canals Automation

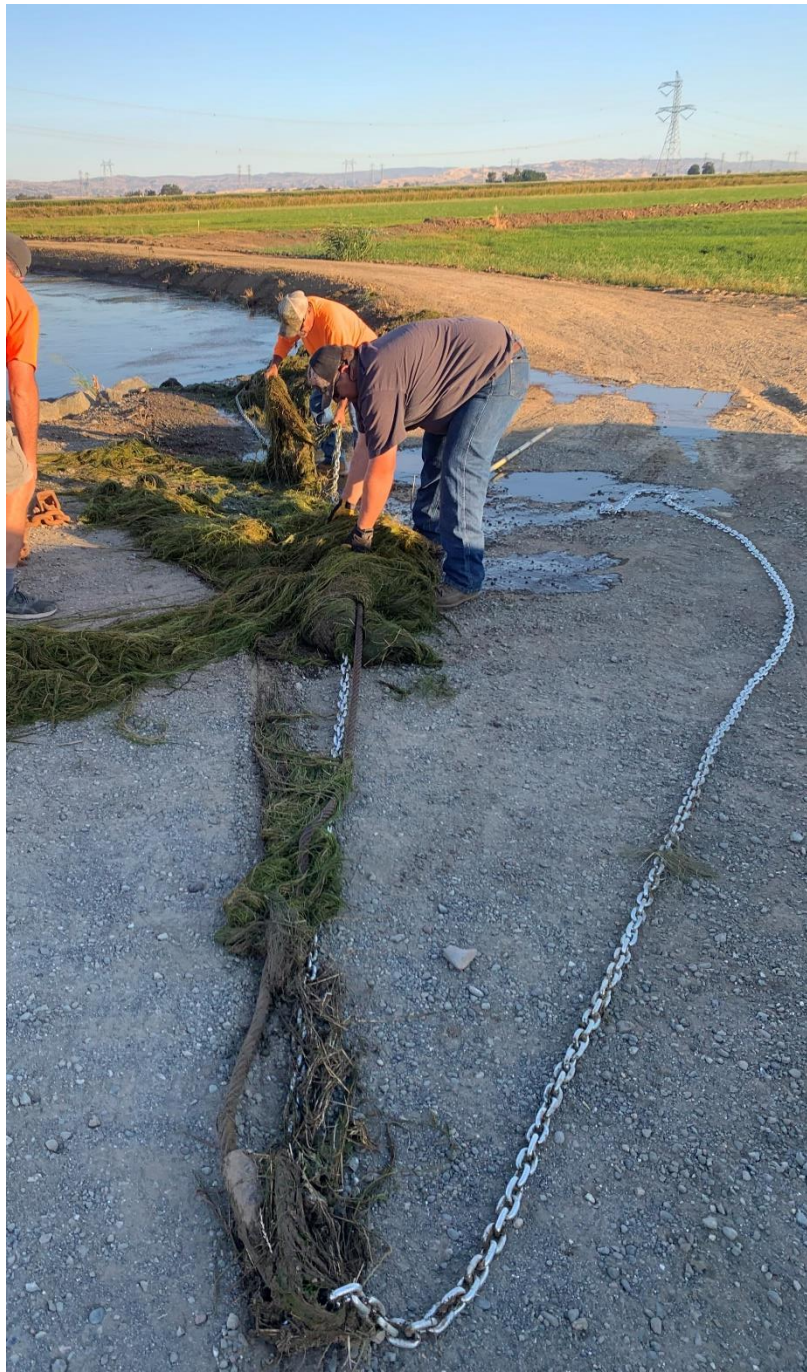
- Project Funding: SGMA Grant and YCFCWCD
- Project Benefits:
 - Pilot China Slough Conveyance
 - Flow Measurement & Control
 - Facilitation of Groundwater Recharge

Summary Table of Proposed Projects

The following is a summary table of the proposed projects including estimated construction cost

Site Name	Description of Work	Estimated Cost
Pilot Project	Recharge Water Conveyance & Measurement Site	\$30,000
ESA0040CK	Culvert Enlargement	\$15,000
ESA0152CK	Culvert Enlargement & Automatic Gate Installation	\$70,000
ESA0168H	Check Replacement & Automatic Gate Installation	\$73,000
ACA0018CK	Culvert Enlargement & Automatic Gate Installation	\$55,000
ACA0084CK	Check Replacement & Automatic Gate Installation	\$45,000
ACA0122S	Check Replacement & Automatic Gate Installation	\$38,000
Construction Total (Labor and Materials)		\$326,000





General Activities (June 5- July 9)

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**
- **IVR – Emergency Action Plan Tabletop Exercise**
- **Winters Canal Headworks Automated Trash Rack Pulley System**
- **AGM and Finance Director Onboarding**
- **Strategic Plan Focus Groups 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 (June 5- July 9)

OUTREACH:

1. ACWA/GRA SGMA Implementation Summit (June 5-6)
2. IVR EAP Tabletop Exercise (June 6)
3. Meeting with State Water Board to Discuss Long-Term Winter Water Right (June 7)
4. YSGA Coordination Meeting with CDFW (June 7)
5. NCWA Groundwater Management Task Force Meeting (June 10)
6. Meeting with Supervisor Frerichs to Discuss Slough Cleaning Responsibilities at County Road 28 (June 10)
7. Meeting with Water Board Member McGuire to Discuss Proposed Bay-Delta Plan Amendments (June 11)
8. Meeting with Yocha Dehe Wintun Nation: Impact of Bay-Delta Plan and Benefits of Voluntary Agreements (June 12)
9. Meeting with Solano County Water Agency to Discuss Healthy Rivers and Landscapes Program (June 12)
10. Yolo County Financial Oversight Committee Meeting (June 13)
11. International Groundwater Conference (June 17)
12. YSGA Finance Committee Meetings (June 18 and July 8)
13. Meeting with Jay Ziegler and Yolo County (June 19)
14. Meeting with Yolo Land Trust (June 21)
15. ACWA State Legislative Committee Meetings (June 21 and 28)
16. Hungry Hollow Groundwater Committee Meeting (June 24)
17. Ag Roundtable and Conversation with Supervisors Frerichs and Barajas (July 2)
18. Meeting with Sustainable Conservation to Discuss Groundwater Recharge Screening Criteria (July 3)

Upcoming Meetings & Events

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. ACWA Regions 3 and 4 Joint Event: City of Roseville ASR Facility (July 31)
8. NCWA Bay-Delta Task Force Meeting (August 5)
9. ACWA State Legislative Committee Meeting (August 9)
10. YSGA Executive Committee Meeting (August 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 #63697-63718)

Check Number	Check Amount	Vendor Name		Check Date	Invoice Amount		
		Invoice Number	Invoice Date			Description	
000006369:	\$ 107,269.80	ACWA / JPIA EMPLOYEE BENEFITS		7/8/24			
		0703095 JUL 2024	6/3/24				56,444.16
		0703365 AUG 2024	7/1/24			MONTHLY MEDICAL, VISION, LIFE, EAP	50,825.64
000006369:	\$ 13,285.40	BARTKIEWICZ KRONICK & SHANAHAN		7/8/24			
		1650-0001 JUNE 2024	6/10/24				4,558.75
		1650-0020 JUN 2024	6/10/24	DELTA ISSUES LEGAL	8,726.65		
000006369:	\$ 10,057.91	CLIPPER CONTROLS		7/8/24			
		14097	6/18/24			PO6900 PORTABLE CLAMP ON FLOWMETER	10,057.91
000006370:	\$ 3,785.00	CONSERO SOLUTIONS		7/8/24			
		2013	5/31/24			SERVICES 4/30-5/31/24	3,785.00
000006370:	\$ 5,855.97	DELL BUSINESS CREDIT		7/8/24			
		1004542962	6/7/24			PO6895 POWER EDGE R550 SERVER	5,855.97
000006370:	\$ 43,398.75	GEI CONSULTANTS, INC.		7/8/24			
		3154430	6/6/24			PROJ.2304186 - IV DAM FERC PART 12D	43,398.75
000006370:	\$ 5,329.57	GLOBAL MACHINERY		7/8/24			
		SWS001297-1	6/10/24			PO6977 REPLACE TRACKS, HYDRAULIC LINES,	5,329.57
000006370:	\$ 9,185.80	INTEGRAL NETWORKS, INC.		7/8/24			
		32457	6/3/24			PO6959 HV02 NEW HARDWARE & NEW 2022 VMs	4,000.00
		32496	7/1/24			PO6952 IT SUPPORT SERVICES	5,185.80
000006370:	\$ 10,643.98	INTERSTATE OIL COMPANY		7/8/24			
		T635731-IN	6/4/24			PO6748 1300GAL GAS	5,347.66
		T636152-IN	6/25/24			PO6980 573GAL GAS	2,213.18
		T636384-IN	6/28/24			PO6980 800GAL GAS	3,083.14
000006370:	\$ 0.00	JS WELD INC.		7/8/24			
		7172	7/3/24			PO7026 48" TRAVELING WATER SCREEN	12,641.40
		7165	6/25/24			36" TRAVELING WATER SCREEN	11,181.30
000006370:	\$ 16,924.75	MBK ENGINEERS		7/8/24			
		14593	6/19/24			5325.0 WATER RIGHT ASSISTANCE	12,067.00
		14594	6/19/24			5325.1 GW RECHARGE WAA	4,857.75

Partially Reimbursable

Partially Reimbursable

Reimbursable

000006370	\$	4,272.87	MORRISON	7/8/24		
			6000	6/30/24	PROFESSIONAL SERVICES-STRATEGIC PLANNG	4,272.87
000006370	\$	11,293.75	NORTHERN CALIFORNIA WATER ASSOCIATI	7/8/24		
			10638	6/4/24	JT DEFENSE & EXPERT COST SHARING AGMT	11,293.75
000006371	\$	11,824.31	NUTRIEN AG SOLUTIONS, INC.	7/8/24		
			54706802	6/14/24	PO6850 ELEMENT 3A	11,824.31
					Reimbursable	
000006371	\$	17,932.32	PREFERRED PUMP	7/8/24		
			31111224-00	7/2/24	12"FLOW METERS, 8" FLOW METERS	17,932.32
000006371	\$	25,522.90	SLATE GEOTECHNICAL CONSULTANTS	7/8/24		

Run Date: 7/8/2024 4:41:46PM

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A/P Date: 7/8/2024

User Logon: kvllla

Payment History Report
Sorted By Check Number
Activity From: 7/8/2024 to 5/30/2025

Yolo County Flood Control (Y01)

Check Number	Check Amount	Vendor Name	Invoice Number	Invoice Date	Description	Check Date	Invoice Amount
			2350	4/11/24	23-007-01 IV DAM SEEPAGE COLLECTION DSGN		24,872.90
			2431	6/10/24	23-007-01 IVD SEEPAGE COLLECTION DESIGN		650.00
000006371	\$	5,557.22	STANDARD INSURANCE COMPANY	7/8/24			
			649299 JUL 2024	7/1/24			2,796.21
			649299 JUNE 2024	6/1/24			2,761.01
000006371	\$	4,799.68	TECHNOFLO SYSTEMS	7/8/24			
			45639	6/17/24	PO6957AG3000 BOARD KIT, SEAMETRICS		933.19
			45677	6/19/24	PO6958 ADVANCED WAR,REPLMNT, 12" SEAMT,		3,866.49
000006371	\$	36,660.73	UPL NA INC.	7/8/24			
			2206339661	6/6/24	PO7001 CASCADA 250GAL TOTE		23,784.03
			2206340199	6/13/24	PO7001 TETON 125GAL		12,876.70
000006371	\$	43,233.54	WOODLAND FORD, INC	7/8/24			
			20240627 5295	6/27/24	PO6983 2024 NEW FORD F-150 V5295		43,233.54
000006371	\$	123,455.66	WESTERN TRUCK PARTS & EQUIP. LLC	7/8/24			
			20240063024	6/30/24	PO6984 2022 PETERBILT 579 UNIT 145-1751		123,455.66
000006371	\$	110,000.00	YOLO SUBBASIN GROUNDWATER AGENCY	7/8/24			
			2024-2025	7/8/24	2024-2025 MEMBERSHIP DUES		110,000.00
	\$	644,112.61					\$ 644,112.61

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