WESTSIDE SAC IRWM
Integrated Regional Water Management Plan

COORDINATING COMMITTEE REGULAR MEETING MINUTES

Date: Wednesday, July 9 2025 **Time**: 10:00 – 12:00
Location: Hybrid meeting; remote hosting by Napa County Flood Control and Water Conservation District

Coordinating Committee Members Attending:

	County		Representative		Alternate
	Solano	✓	Drew Gantner, SCWA	✓	Max Stevenson, SCWA
	Napa		Mark Snyder, NC Flood Control & Water Conservation District (NCFC & WCD)		Richard Thomasser, NCFC & WCD
	Yolo	✓	Sarah Leicht, Yolo Subbasin Groundwater Agency		Sabrina Snyder, Yolo County
	Lake	✓	Pawan Upadhyay, Lake County Water Resources Department		

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1. **Call Meeting to Order and Introductions** – 10:07 AM

Others Present: Matti Siltanen, DWR; Ryan Fulton, LWA; Matt Cohen, City of Woodland

2. ***Approve Consent Agenda**
   a. **Approve Today's Agenda **To add an item to the agenda, see the note below**
   b. **Approve Minutes from the May 14, 2025 meeting**
   c. **YCRCD Financial Update** – Reza
   d. **Coordinating Committee Financial Report** – SCWA

Motion: Approve consent agenda: Leicht; Second: Gantner; Roll call: Leicht: y, Gantner: y, Upadhyay: y. Approved.

3. *** **Public Comment:** No public comment.

4. **DWR Update** – Siltanen

Mr. Siltanen went through the update provided in the agenda packet paying special attention to highlighted items.

5. **Presentation: YSGA grant projects** – Sarah Leicht, YSGA

Ms. Leicht provided an update on YSGA projects from three recent grant awards using the attached slides. Matt Cohen, City of Woodland, spoke about the City of Woodland WaterSMART grant, which has been awarded and confirmed, but the contract is not yet signed.

6. ***Consideration of WS IRWM 25-26 Budget** – Reza

Motion: Approve budget: Leicht; Second: Gantner; Roll call: Leicht: y, Gantner: y, Upadhyay: y. Approved.

7. **Review FY 2024-25 Work Plan** – All

The group discussed the 24-25 Work Plan achievements. The results are attached.

8. **Dunnigan Groundwater Recharge Project update** – Ryan Fulton, LWA

Mr. Fulton provided an update on the Dunnigan Groundwater Recharge Project using the slides provided with these minutes.

9. *Consideration of WS IRWM FY 2025-26 Work Plan – Reza

Motion: Approve work plan with updated YSGA logo: Leicht; Second: Upadhyay Roll call: Leicht: y, Gantner: y, Upadhyay: y. Approved.

10. *Consideration of FY 2025-26 Regular Meeting dates – Reza

Motion: Approve meeting dates: Leicht; Second: Gantner Roll call: Leicht: y, Gantner: y, Upadhyay: y. Approved.

11. Drought, flood management, and water supply Roundtable – All

Lake: Clear Lake is high right now, YCFCWCD is withdrawing less water this year, probably because they are drawing down the Indian Valley Reservoir to enable repairs.
Solano: Solano project: Berryessa is at 94% capacity; North Bay Aqueduct, 70% allocation this year.
Yolo: Normal in Yolo, no major concerns.

12. CC Member and Administrative Coordinator Reports, Regional Activities and Updates – All

Ms. Reza reported that SB 707, a Brown Act overhaul, is making its way through the CA legislature. It probably won't affect CC meeting formats, and she will report on the final version when it passes. This week, the Roundtable of Regions provided a letter with specific requests for including IRWM in Prop 4 funding opportunities. Ms. Reza asked the CC if they would like to sign the letter, and they agreed. Mr. Stevens requested Ms. Reza draft a letter from the WS IRWM CC, which Ms. Reza will do and provide to the CC for review before sending to DWR. The RoR also provided a transition plan for regional leaders and policy makers. Ms. Reza emailed both documents to CC members on 7/7/25.

13. Confirm Next Meeting Date and Location – Wednesday, September 10, 2025, 10:00 am, hosted by Yolo Subbasin Groundwater Agency.

14. Adjourn

The meeting adjourned at: 11:38AM.

*Indicates Action Item
** Consideration of items not on the posted agenda
*** Members of the public may address any subject that is not otherwise on the agenda during Public Comment. Reasonable time limits will be imposed.

YSGA Project Update

Sarah Leicht

IRWM Coordinating Committee

July 9, 2025

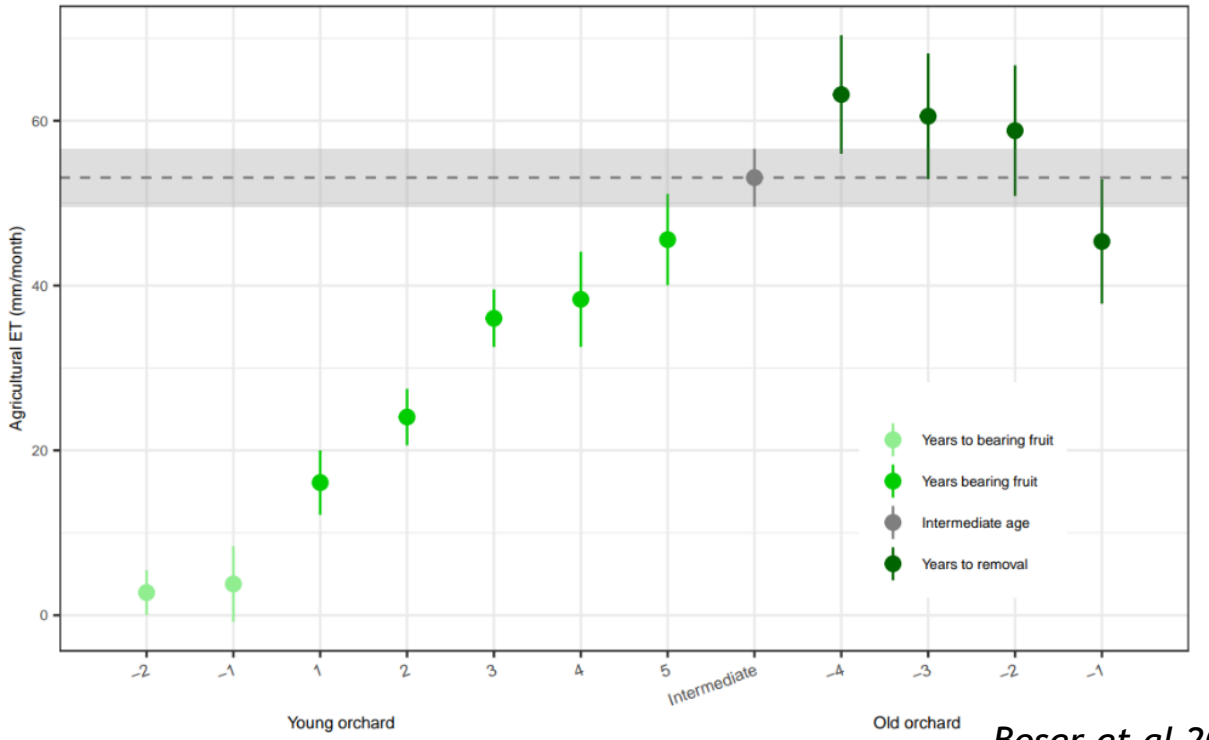
YSGA Grant Funding

- SGMA Implementation Grant **$7,917,000**
  - YSGA Groundwater Sustainability Plan Implementation
  - YCFC&WCD Winter Water Recharge Program
  - City of Winters Feasibility Studies
  - Yolo-Zamora Groundwater Recharge Pilot Project
  - Dunnigan Area Recharge Program
- YSGA WaterSMART Applied Science Grant **$400,000**
- City of Woodland WaterSMART Grant **$3,000,000**

YSGA Groundwater Sustainability Plan Implementation

Groundwater Modeling Enhancements

- Managed Wetlands
- Land Use Change Scenarios
- Orchard ET assumptions
- Analyze Projects and Management Actions

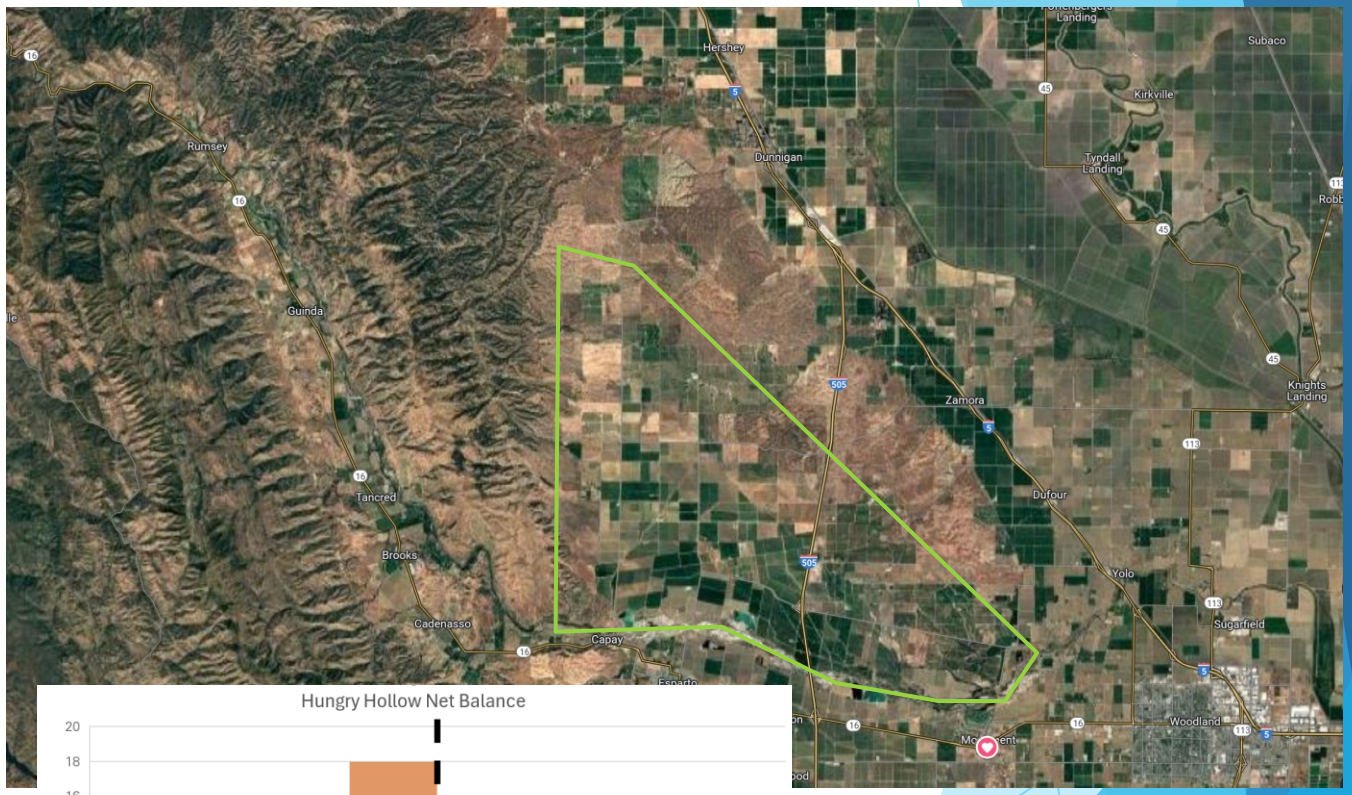


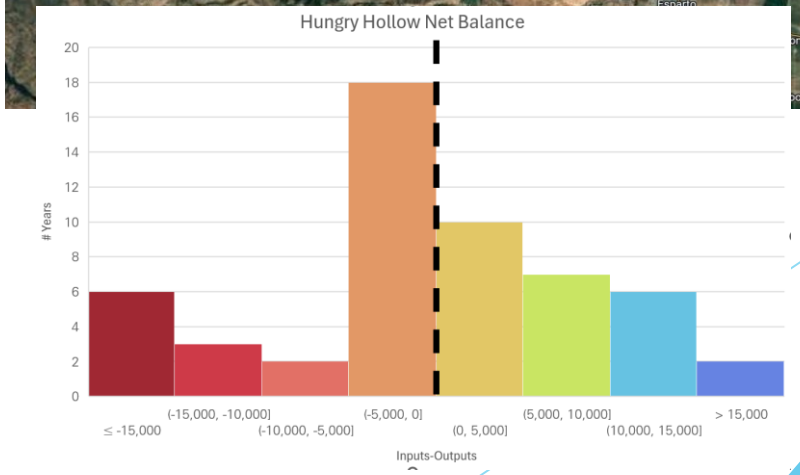
Boser et al 2024

YSGA Groundwater Sustainability Plan Implementation

Hungry Hollow Area

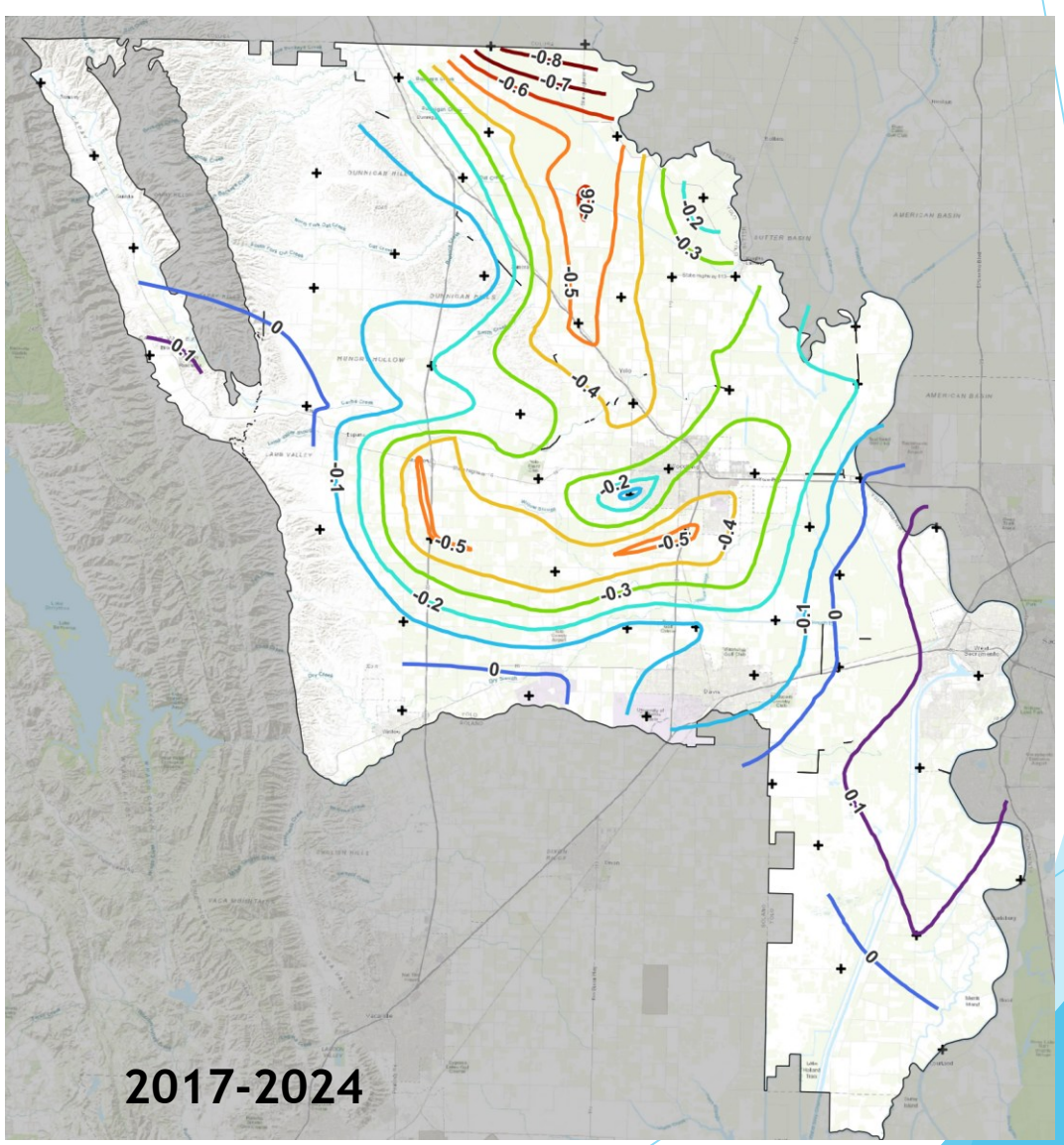
- Develop water budget model
- Consider long-term projects and management actions
- Implement pilot projects





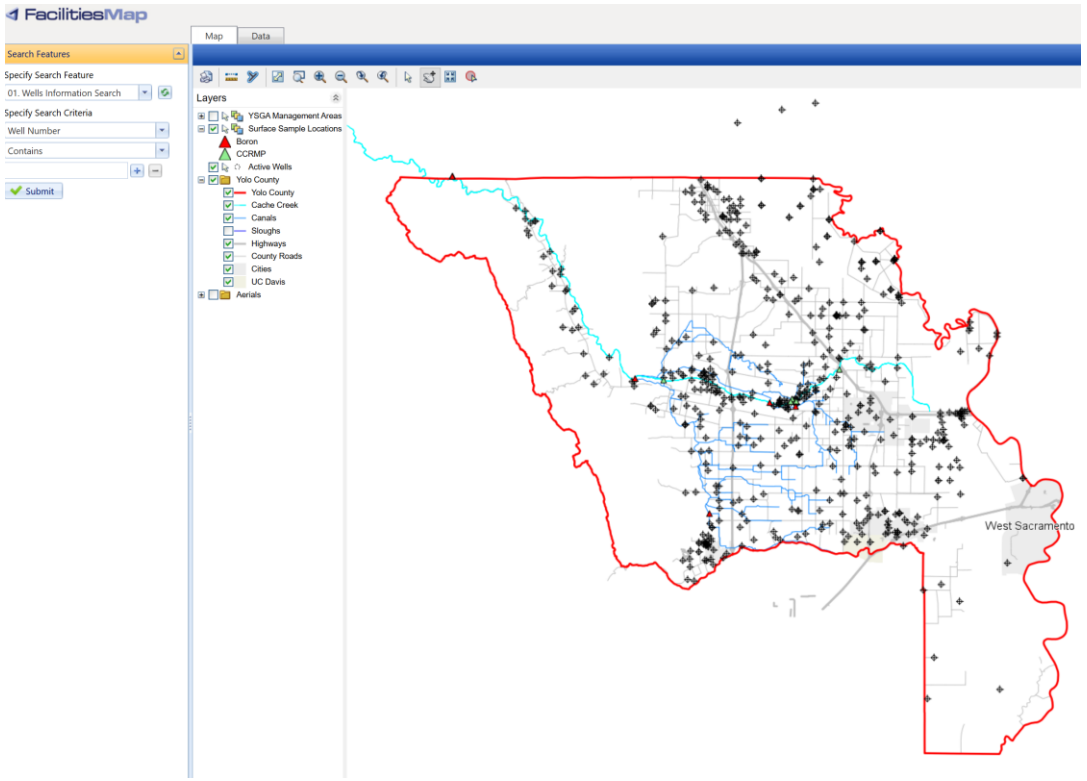
YSGA Groundwater Sustainability Plan Implementation

GPS Subsidence Surveys

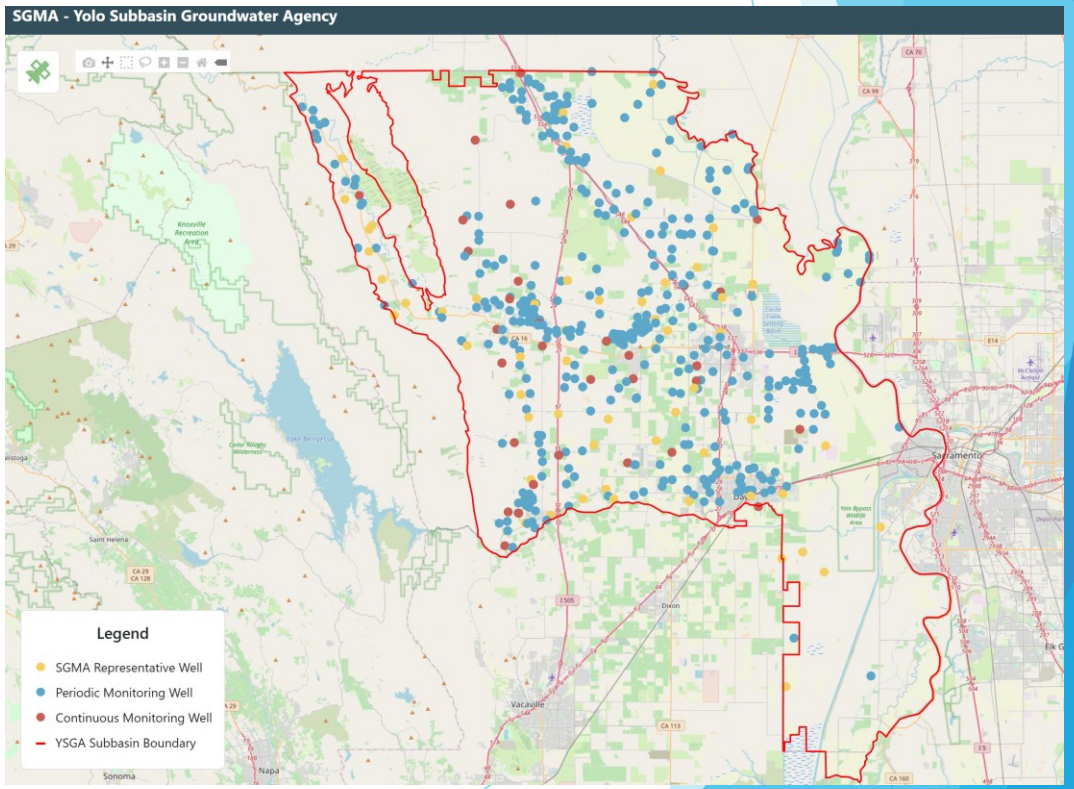


YSGA Groundwater Sustainability Plan Implementation

Public Data Access Improvements



wrid.facilitiesmap.com

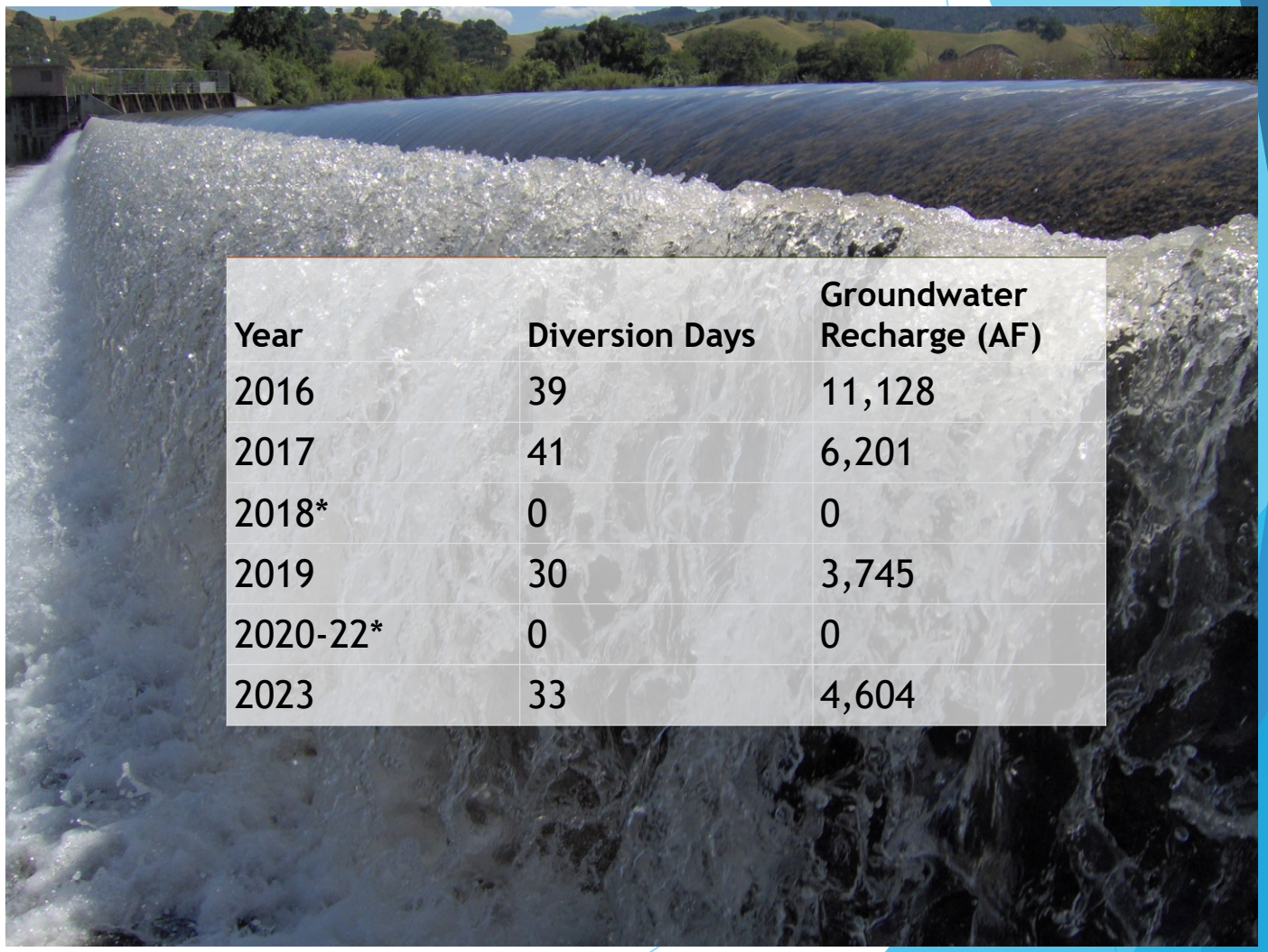


sgma.yologroundwater.org

YCFC&WCD Winter Recharge Program

Long-term water right

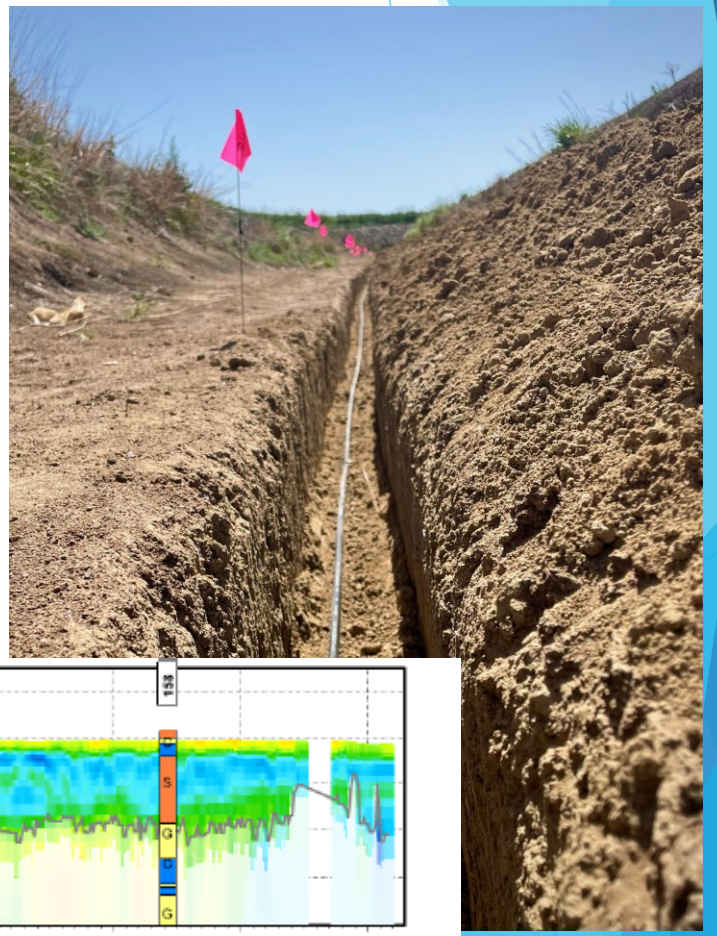
- Temporary permits since 2016
- Pursuing long term right up to 100 TAF/year
- Completed water availability analysis
- Beginning CEQA process

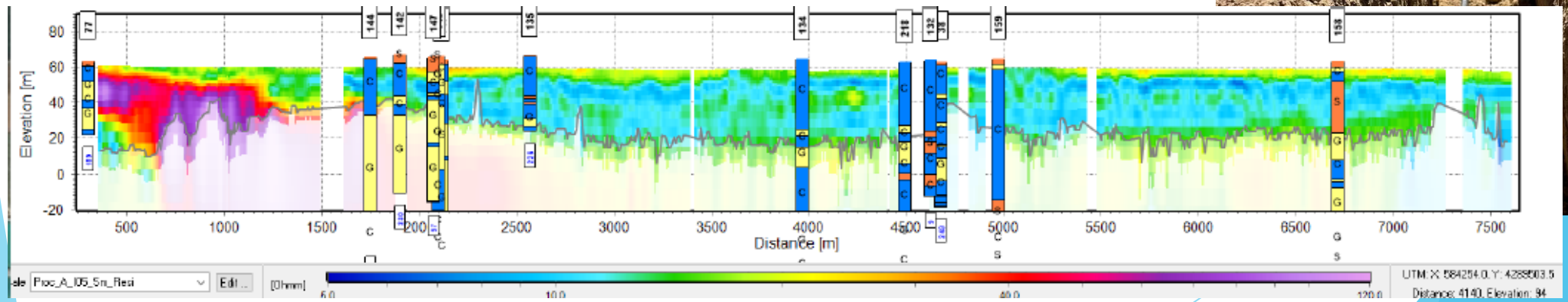


Year	Diversion Days	Groundwater Recharge (AF)
2016	39	11,128
2017	41	6,201
2018*	0	0
2019	30	3,745
2020-22*	0	0
2023	33	4,604

YCFC&WCD Winter Recharge Program

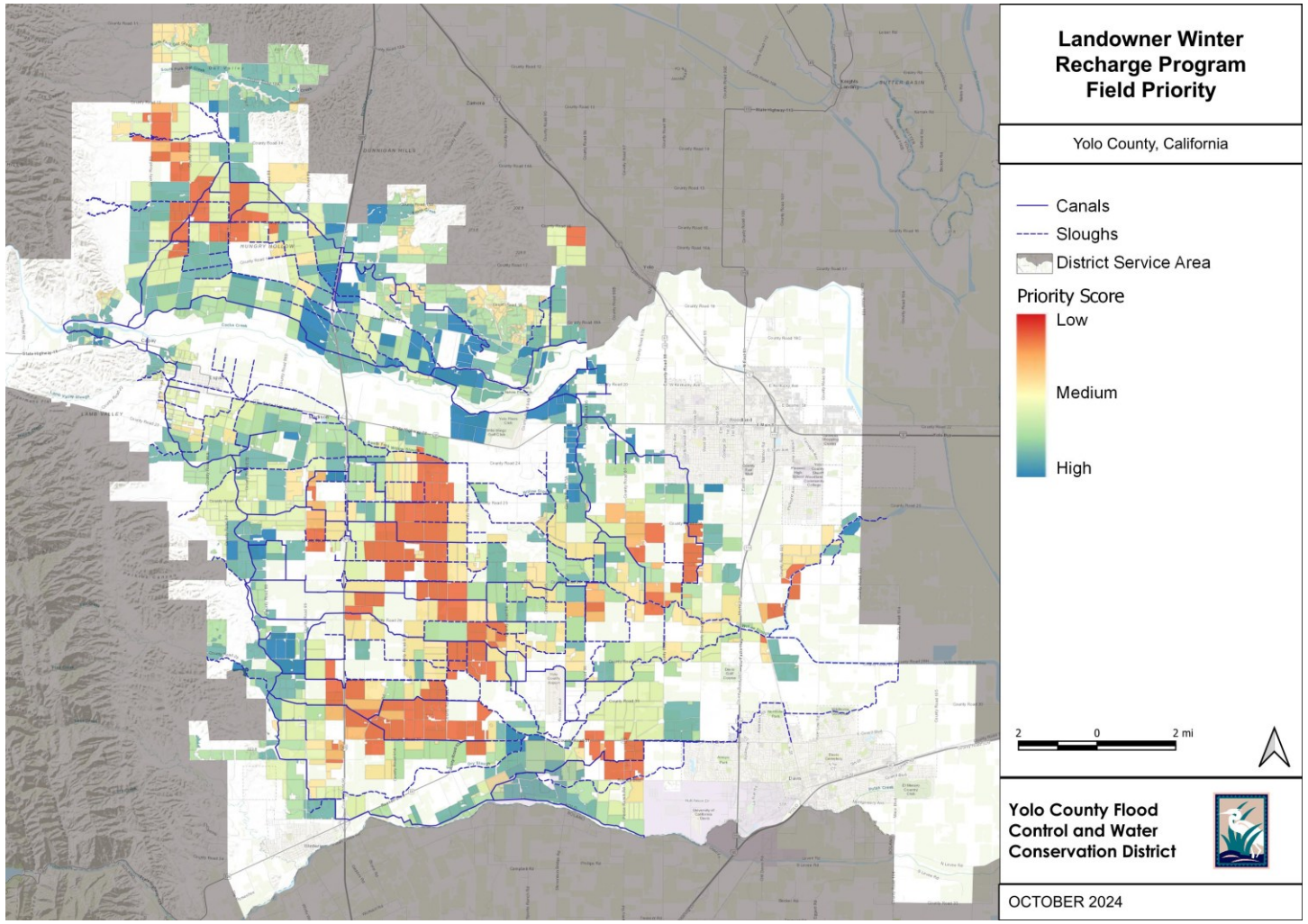
Groundwater Recharge Potential Maps & Studies





YCFC&WCD Winter Recharge Program

Pilot On-Farm Recharge

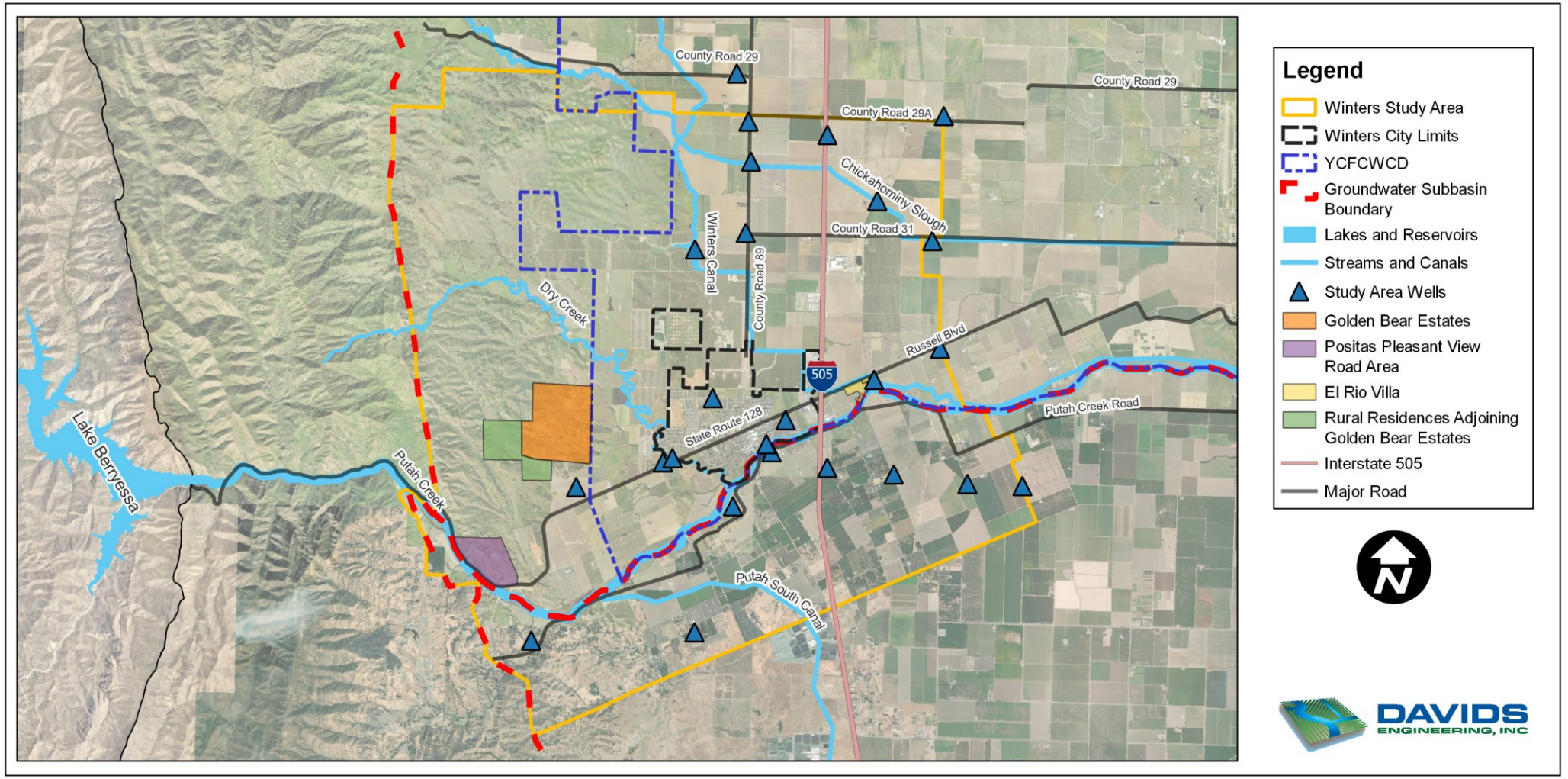


YCFC&WCD Winter Recharge Program

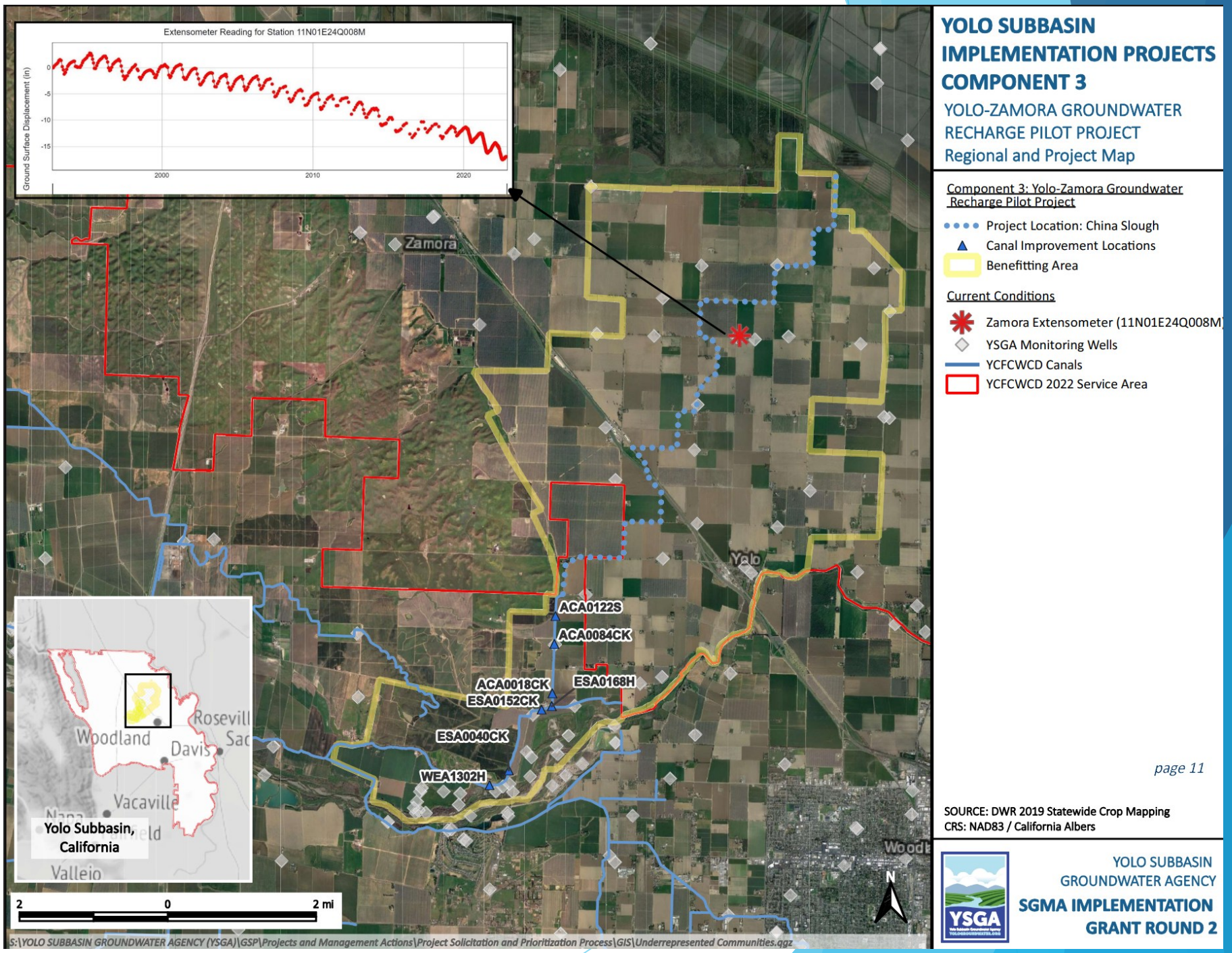
Automate Canal Gates

City of Winters Feasibility Studies

Surface Water Supplies & Recycled Water



Yolo-Zamora Groundwater Recharge



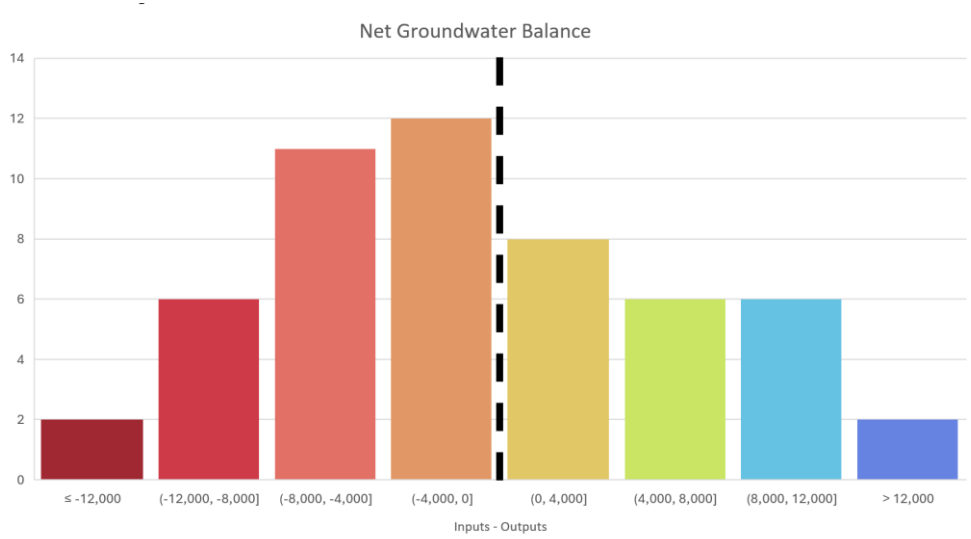
Yolo-Zamora Groundwater Recharge

Canal Automation & Capacity Increase

Yolo-Zamora Groundwater Recharge

Water Availability and Cost-Benefit Analysis

- **Phase 1:** Import **15,000 AFY** of surface water and in turn *reduce* pumping by 15,000 AFY
  - *Eliminates overdraft*
  - *Allows for natural recharge to occur*
- **Potential water sources:**
  - *Cache Creek*
  - *Sacramento River*
  - *TCC Extension*
  - *Recharge Basin*



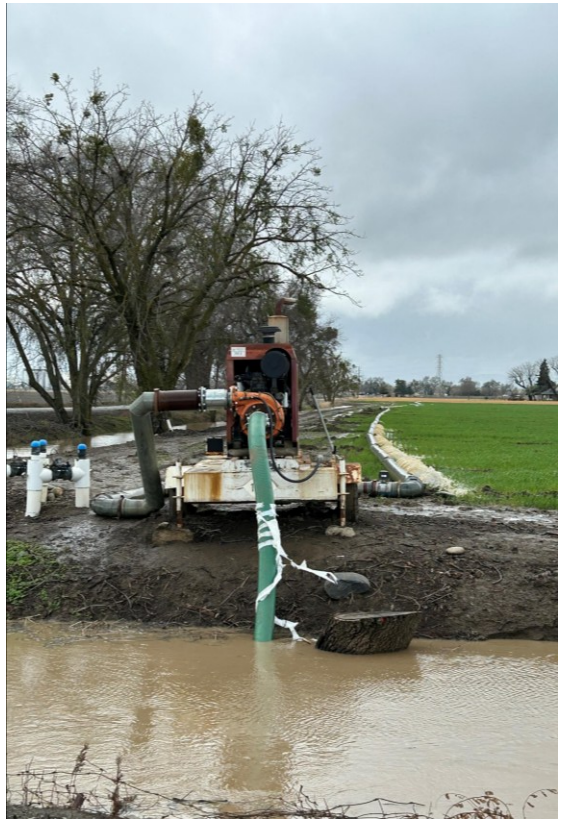
58% of the time, there is overdraft

Yolo-Zamora Groundwater Recharge

Feasibility for Slough Rehabilitation

- **Goal:** Provide program where landowners can rehabilitate China Slough under one permit to improve the health and capacity of the slough
- **Current Progress:**
  - Pursuing LSA through CDFW
  - Biological survey completed in February. Results being analyzed
- **Next step:** Identification of LSA agency

Yolo-Zamora Groundwater Recharge Pilot On-Farm Recharge



Goal

- Test feasibility of recharge in Yolo-Zamora area

Current Progress

- Achieving 0.2 – 2 AF/day
- Evidence of recharge positively impacting groundwater levels

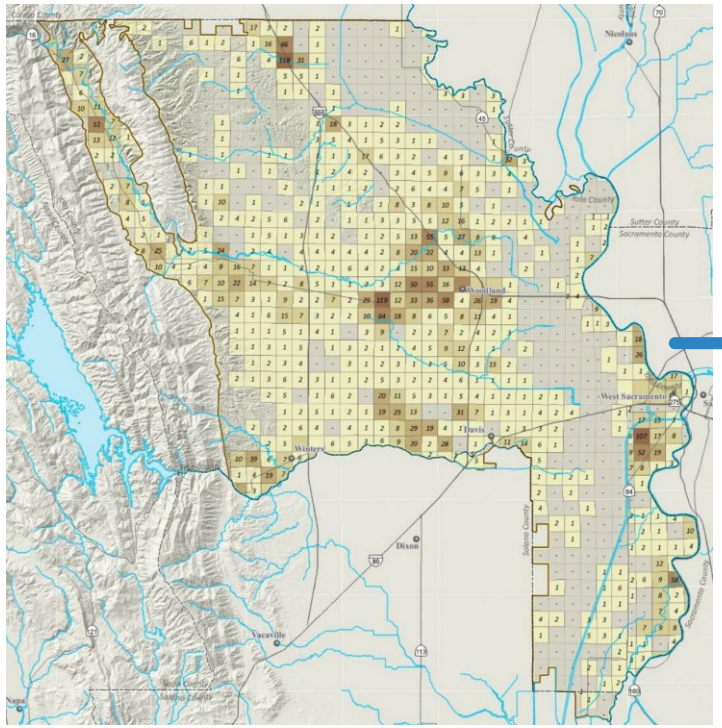
Next Steps

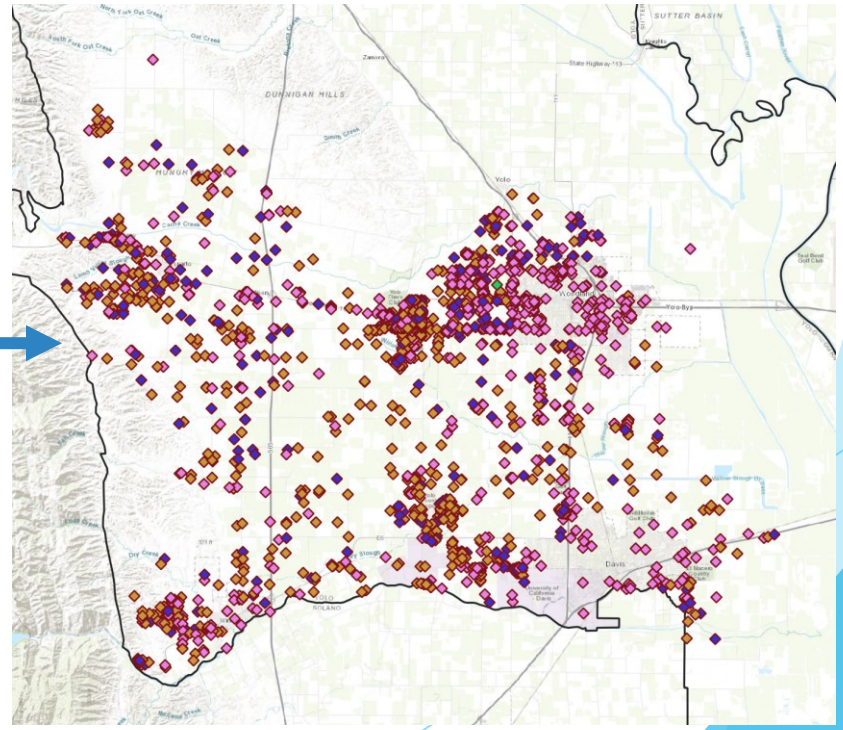
- Identify winter 2026 sites
- Expand pilot program

YSGA WaterSMART Applied Science

Additional Modeling Projects

- Assess domestic well impacts
- Incorporate economic model
- Analyze groundwater demand management

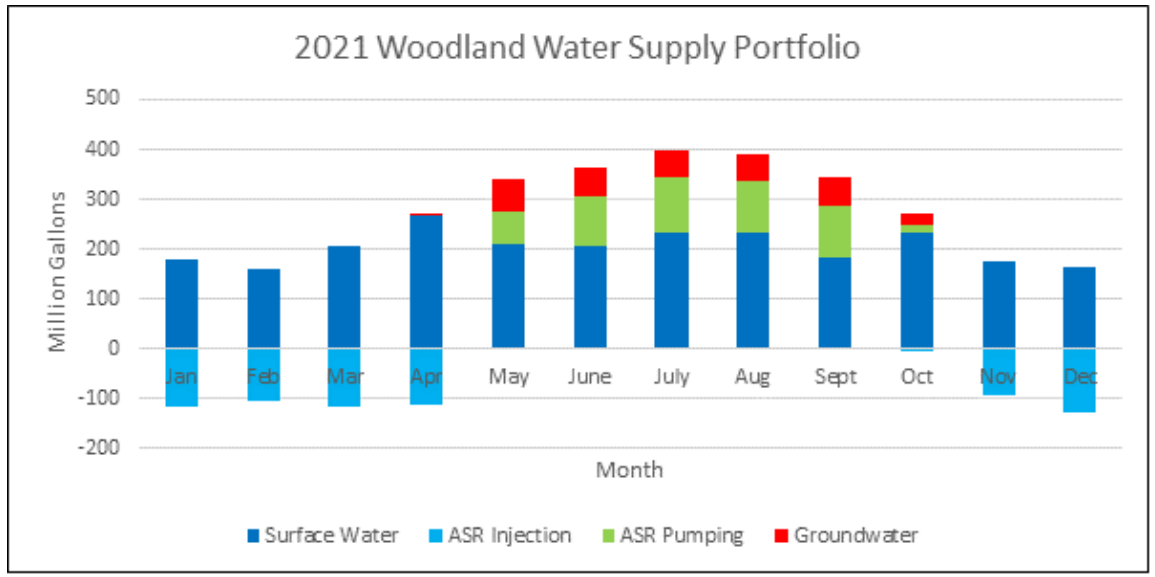


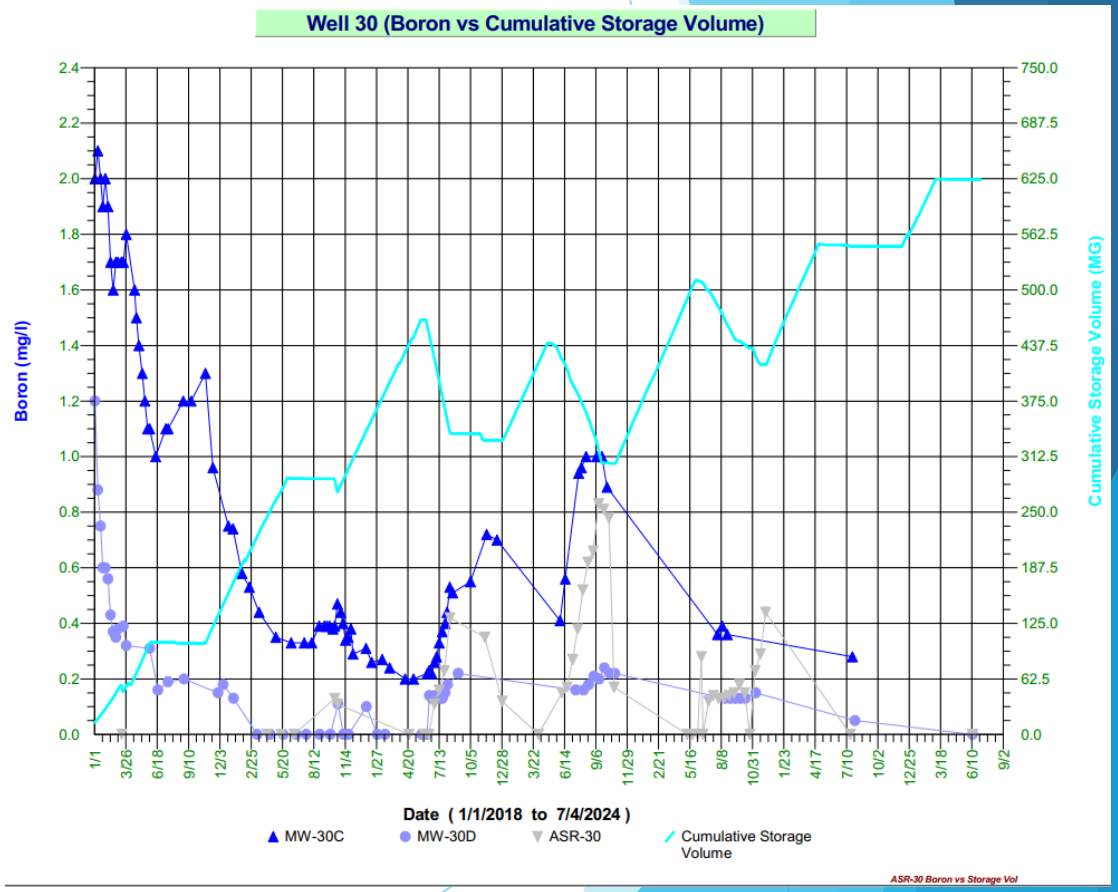


City of Woodland WaterSMART Grant

Construction of ASR Well 31

- Stores ~ 675 AF/yr during winter months
- Extracts ~ 600 AF/yr during summer months
- Net recharge ~ 75 AF/yr
- Reduce or eliminate need for expensive water transfers & low-quality groundwater





Annual Work Plan 2024 - 25 - Review of Accomplishments

Goals and Objectives:

Goal 1: Seek and secure future funding sources for the completion of projects in the IRWM Plan	Evaluation			
	Complete	Partially Complete	Not Complete	Notes
Objective 1: Work with the Statewide Roundtable of Regions to secure State-level operational funding for IRWM Regions throughout the State.				
Task 1: Write letters in support of IRWM to legislative decision-makers upon request, as needed.		X		
Objective 2: Work with agencies and organizations throughout the region and the State to secure funding for the planning and implementation of Projects in the IRWM Plan.				
Task 1: Engage with Department of Water Resources IRWM staff and decision-makers to establish the ongoing importance of IRWM and the need for significant funding to secure safe, clean, and affordable water for residents of the Region.	X			
Task 2: As opportunities arise, match individual projects within the plan with specific funding opportunities by making project sponsors aware of the funding opportunities.	X			
Objective 3: Work with the Statewide Roundtable of Regions and other local and regional agencies and organizations as needed to strengthen connections between IRWM and Sustainable Groundwater Management (SGM).				
Task 1: As opportunities arise during the development and implementation of Groundwater Sustainability Plans, emphasize the role of groundwater management as one of many components of Integrated Regional Water Management	X			
Task 2: Support groundwater management projects, including letters of support and their inclusion in the WS IRWM Plan.	X			
Objective 4: Consider opportunities related to climate resiliency and the possibility of expanding the Coordinating Committee's scope and membership to meet state preferences for regional collaboration with respect to climate adaptation and mitigation.				
Task 1: Monitor funding and technical assistance opportunities to build capacity for climate change resilience planning and to implement climate resilience implementation projects.	X			
Task 2: As specific funding opportunities arise, consider the possibility for the Westside Region to apply for climate-related planning and capacity development funds.			X	no opportunities

Goal 2: Seek solutions within the Region on drought management, stormwater management, municipal water use efficiency, and water audits.	Complete	Partially Complete	Not Complete	Notes
Objective 1: Engage in Regional, action-oriented discussions on drought, stormwater, WUE, and water audits.				
Task 1: Consistently schedule meeting agenda presentations and/or discussion items that address these topics.	X			
Task 2: Explore actions taken by other IRWM Regions in the state for application in the Westside Region.	X			

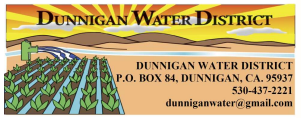
Goal 3: Coordinate with other IRWM Regions, GSP development groups, and related organizations.	Complete	Partially Complete	Not Complete	Notes
Objective 1: Communicate and coordinate with neighboring IRWM Regions.				
Task 1: Report coordination activities at Regular Westside IRWM meetings.	X			
Objective2: Engage with local (County) SGMA Authorities.				
Task 1: Participate in and support Groundwater Agency meetings and activities as appropriate.	X			
Objective 3: Participate in the IRWM Roundtable of Regions Statewide Network				
Task 1: Attend meetings and events as appropriate.	X			
Task 2: Provide input to IRWM-related issues of Statewide importance.	X			
Objective 4: Promote and offer educational activities to youth.				
Task 1: Foster good stewardship through youth engagement.			X	

Goal 4: Increase focus on and funding opportunities for diverse objectives contained in the Plan.	Complete	Partially Complete	Not Complete	Notes
Objective 1: Support new opportunities for Disadvantaged Community Involvement and Implementation grants as appropriate.				
Task 1: Provide support to Lake County Special Districts in administering the Prop 1 Implementation grant.			X	Not needed
Task 2: Provide outreach for training and technical assistance as opportunities arise.	X			
Task 3: Further develop opportunities for Tribal involvement in IRWM.		X		
Objective 2: Secure sustainable funding for the Small Grants Program.				
Task 1: Explore alternative revenue sources to support the Small Grants Program.	X			
Task 2: Consider choosing a focus for the Small Grants Program such as education or specific goals of the IRWM Plan.			X	
Objective 3: Promote awareness and prevention of invasive species.				
Task 1: Display quagga-mussel boat and educational materials during at least one event and/or a combination of two in-person and and/or virtual outreach and education events.	X			
Task 2: Support prevention of introduction and the eradication of invasive and/or nuisance species.	X			
Objective 4: Promote water-related education.				
Task 1: Support and/or promote as least one education project for funding as opportunities arise.		X		Clear Lake Science Symposium; paid last year, c
Objective 5: Support water-related habitat improvement.				
Task 1: Support, including letters of support, at least one habitat project for funding as opportunities arise.			X	no opportunities
Objective 6: Support fire resilience and recovery in the Westside Region.				
Task 1: Support at least one fire resilence or recovery project as opportunities arise.			X	no opportunities
Objective 7: Explore opportunities for climate resiliency planning and implementation projects in support of the objectives above.				
Task 1: Monitor federal, state, and other funding opportunities to bolster climate resiliency in the Westside Sac region.	X			
Task 2: Disseminate opportunities to appropriate entities within the WS IRWM region.	X			
Task 3: Support, including letters of support, at least one climate resiliency-related project for funding as opportunities arise.			X	no opportunities

Goal 5: Report to the public on implementation progress for the Westside Sac IRWM Plan	Complete	Partially Complete	Not Complete	Notes
Objective 1: Determine progress toward accomplishing Westside Plan Goals and Objectives.				
Task 1: Publish update and accomplishments in the Westside's Annual Report.	X			
Task 2: Disseminate Annual Report widely through WS IRWM website, email lists, and member agency websites.	X			

Dunnigan Area Recharge Program (DARP) Update

Prepared by
Ryan Fulton, P.E.
Larry Walker Associates
July 2025

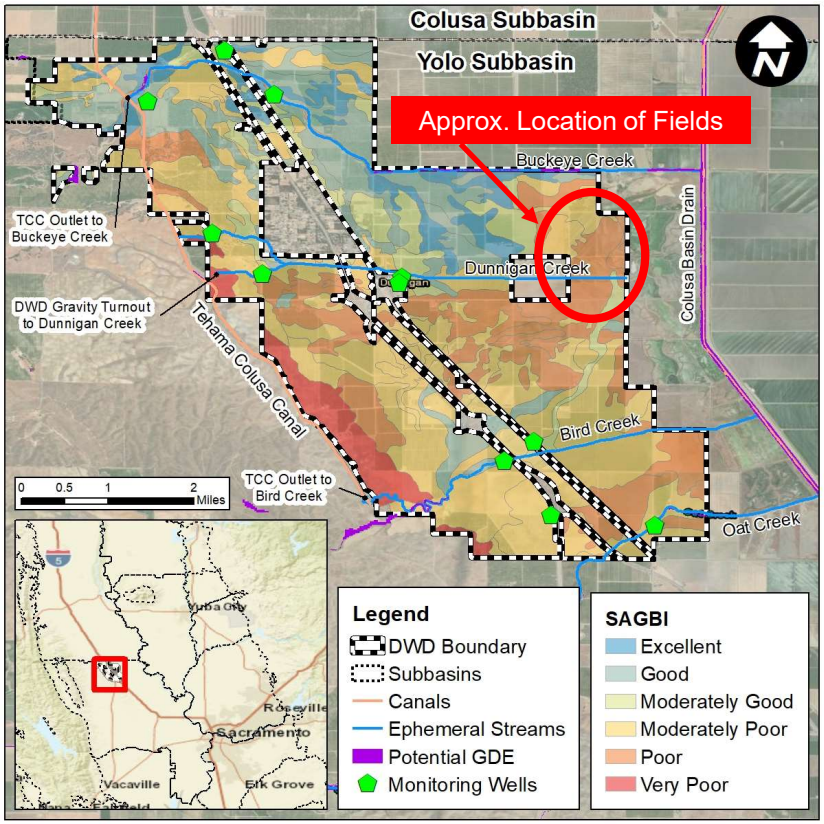


Outline

- Program Overview
- Dunnigan Area Recharge Program Update
- South Colusa / North Yolo Update
- Discussion

DARP Overview

- Goal: to recharge up to 5,000 AF each year
- Available Water Supplies
  - DWD 19,000 AF CVP Contract (pending annual allocation)
  - High flows from Sacramento River (e.g., 3F Water)
  - Flood flows from ephemeral streams (e.g., temporary permit and/or WC §1242.1)
- Recharge sites: fallowed/open lands and dry ephemeral streams beds
- Increase water supply reliability for domestic users
  - Severely disadvantaged community
  - Population of 1,400 with annual use of 130 AF
  - Reliant solely on groundwater
- Environmental goals
  - Provide shorebird habitat on 500 to 600 acres each year

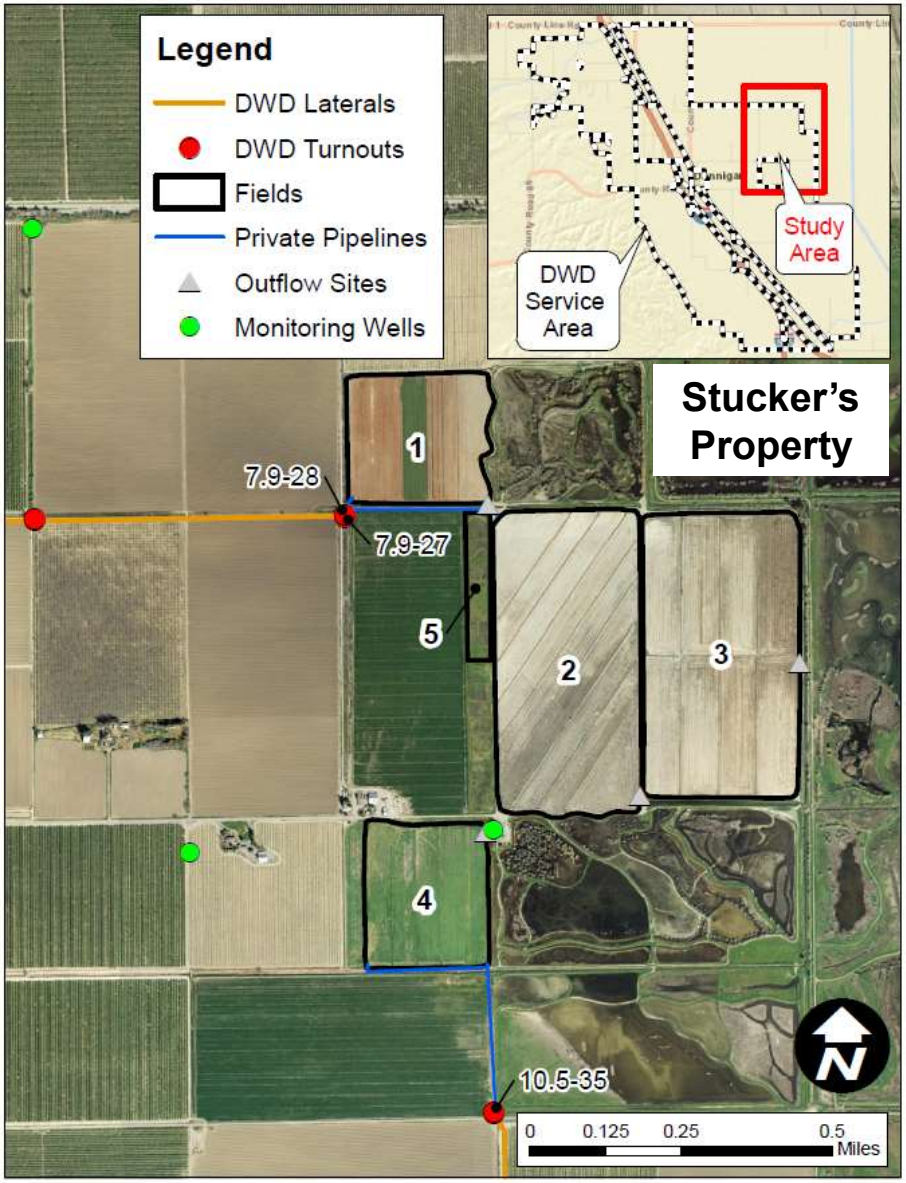


Note:
SAGBI = Soil Agricultural Groundwater Banking Index
GDE = Groundwater Dependent Ecosystem (based on DWR's Natural Communities dataset)

2024 Recharge Activities

Table 1. Monthly Recharge Summary

Month	Buckeye Creek	Stucker's Property	All Sites
Jan	0	0	0
Feb	0	58	58
Mar	0	117	117
Apr	282	190	472
May	0	0	0
Jun	8	0	8
Jul	0	0	0
Aug	0	0	0
Sep	0	246	246
Oct	0	105	105
Nov	0	78	78
Dec	19	222	241
Total	309	1,015	1,324



2025 Recharge Activities

Table 1. Monthly Recharge Volume (AF) Summary

Month	Location								Total
	Buckeye Farm 6-56 Pond	(Rd-5) 7.9-27 Stucker	(Rd-5) 7.9-28 Stucker	(Rd 6) 10.5-35 Stucker	Buckeye Creek	Bird Creek	(Rd 2 Field) 6-35	Ingman Pond 6-04	
January	0.9	26.6	4.6	38.0	317.0	0.0	0.0	8.5	394.7
February	0.1	0.0	0.0	0.0	93.3	0.0	0.0	0.1	93.3
March	0.3	*6.6*	*0.0*	*0.0*	45.6	8.1	0.0	3.5	60.3
April	0.0	*0.0*	*0.0*	*0.0*	0.0	58.5	0.0	0.0	58.5
Total:	1.3	33.2	4.6	38.0	455.8	66.6	0.0	12.1	607.0

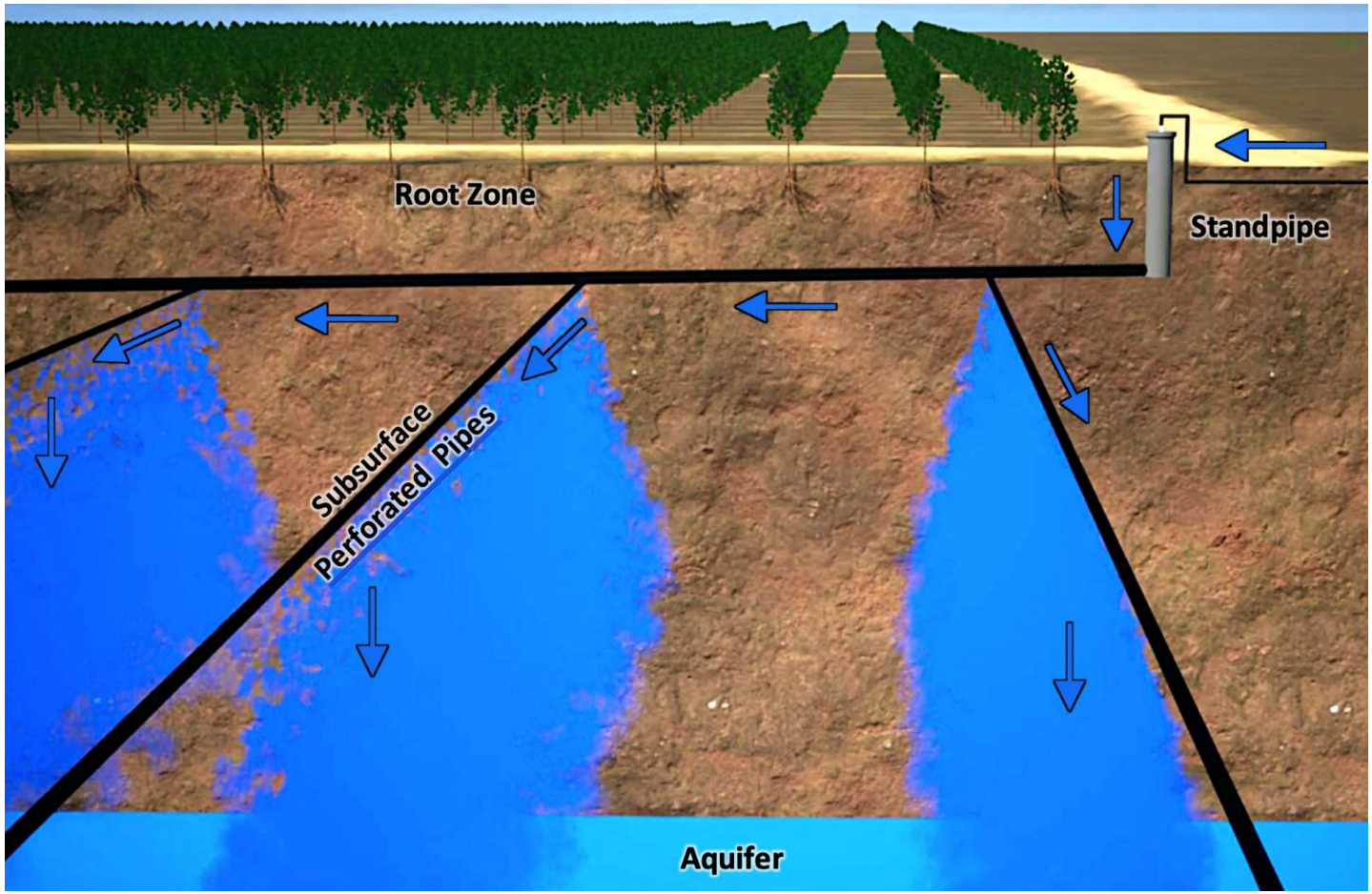
* Recharge stopped at the end of April.

Reverse Tile Drains

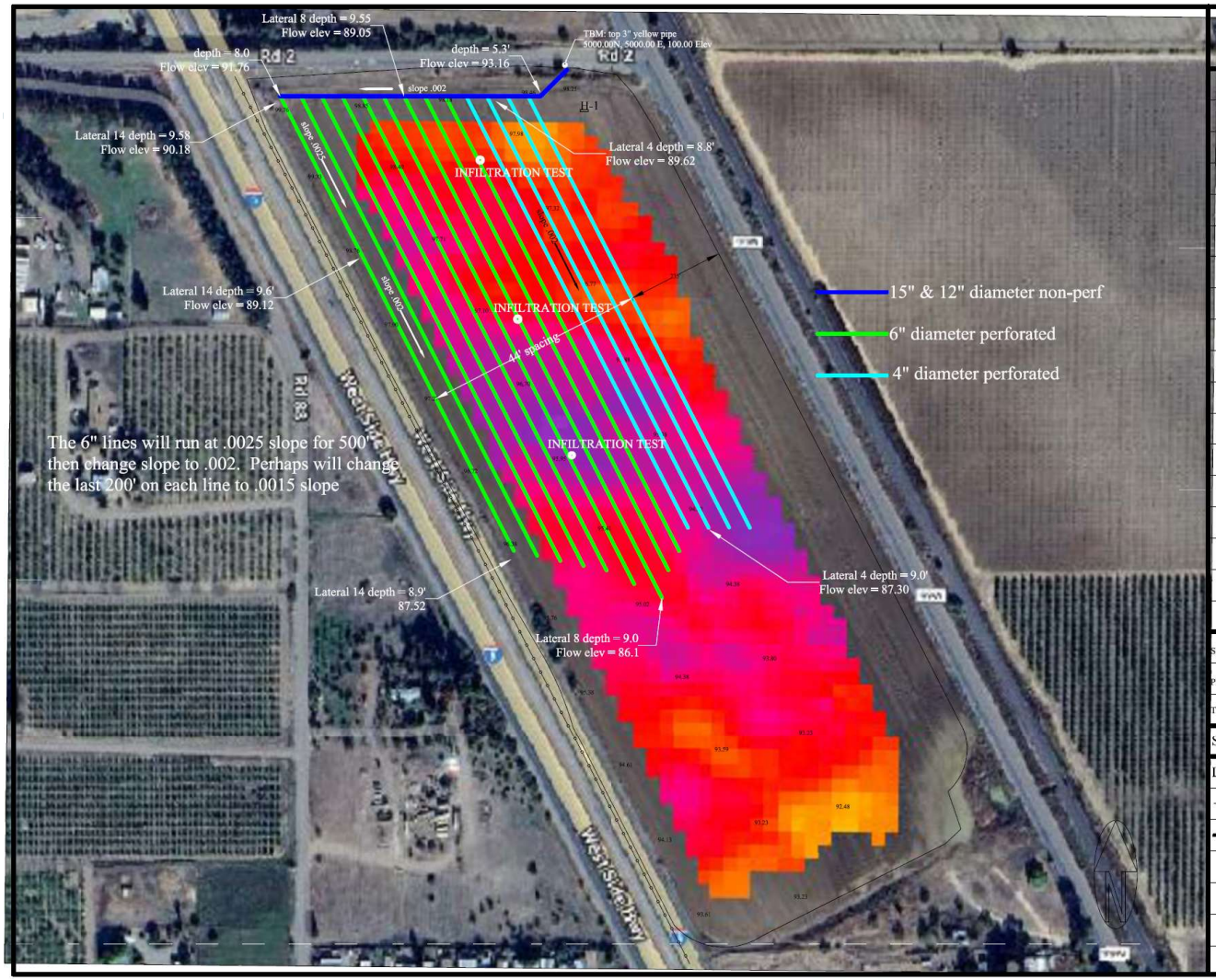
Project location: intersection of HWY 99W & Co. Rd 2 within DWD service area

Means of Recharge:
1. DWD Contract Water
2. 3F Water off DWD Canal

Infrastructure requirement:
Will require some infrastructure upgrades as shown on the schematic.



Reverse Tile Drains Design



LINE NO.	TILE DEPTH STA. 1+00	TILE DEPTH END TILE	GRADE	FOOTAGE	TILE INSTALLED 4"	6"	8"
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

STK'D BY Lidco DATE

PLOTTED GD CHK'D CT

TILE FILTER DATE

SCALE: 1"=300'

LEGEND

tree rows

proposed

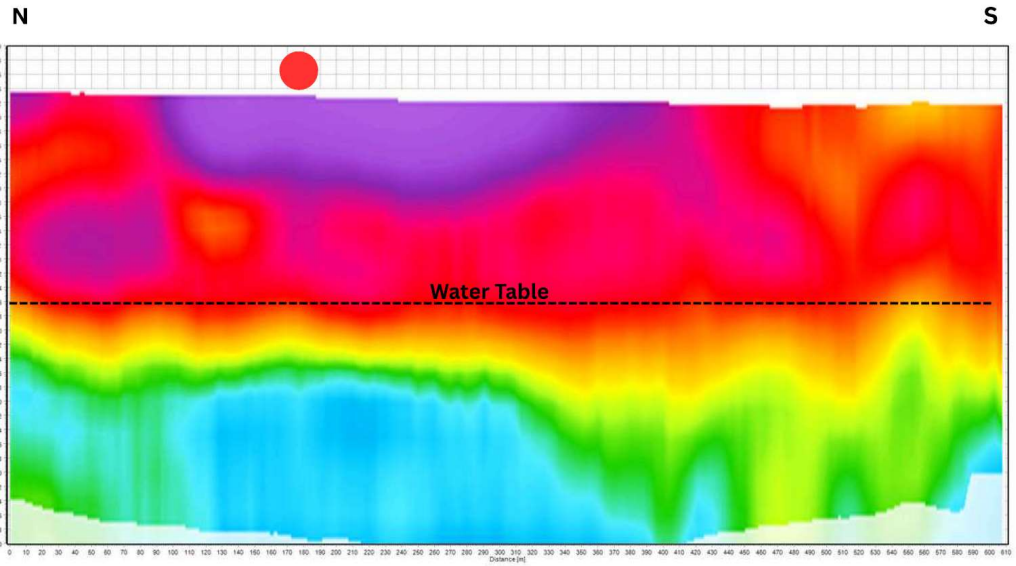
LIDCO INC.
P.O. BOX 1437
BRAWLEY, CA. 92227
760 344-8437

TILE DRAIN CONSTRUCTION
Dunnigan Water District
Garrett Schaad
Recharge System

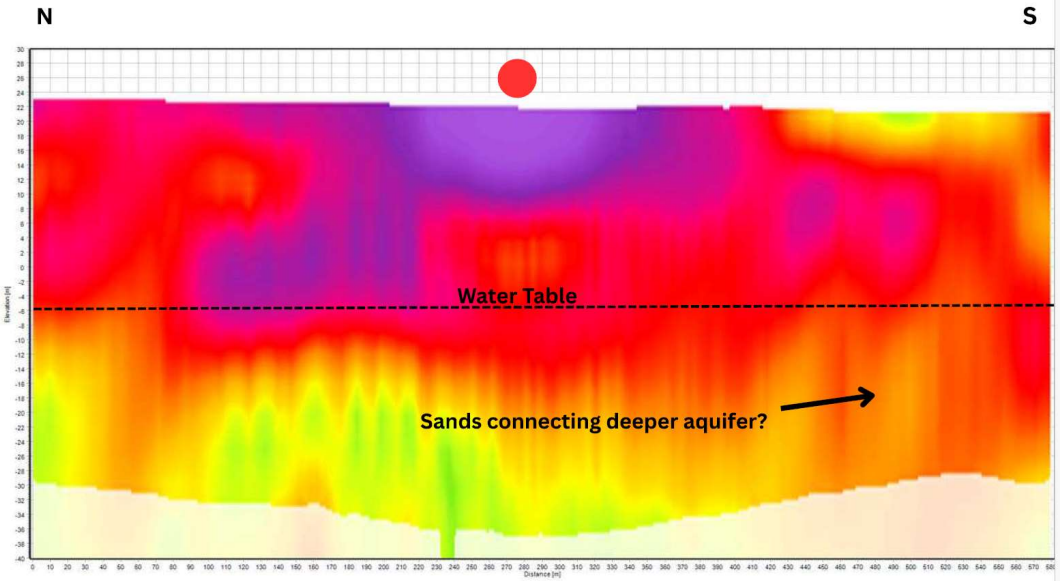
REF. T XX S-R XXXX E

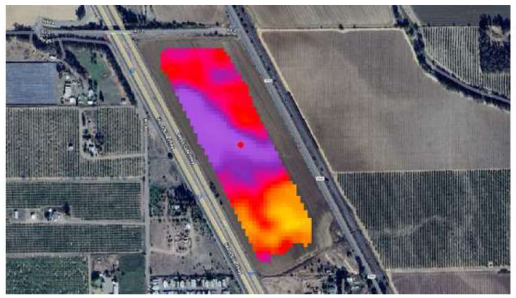
PROP. DWG.

2D CROSS SECTION- WEST TRANSECT 4

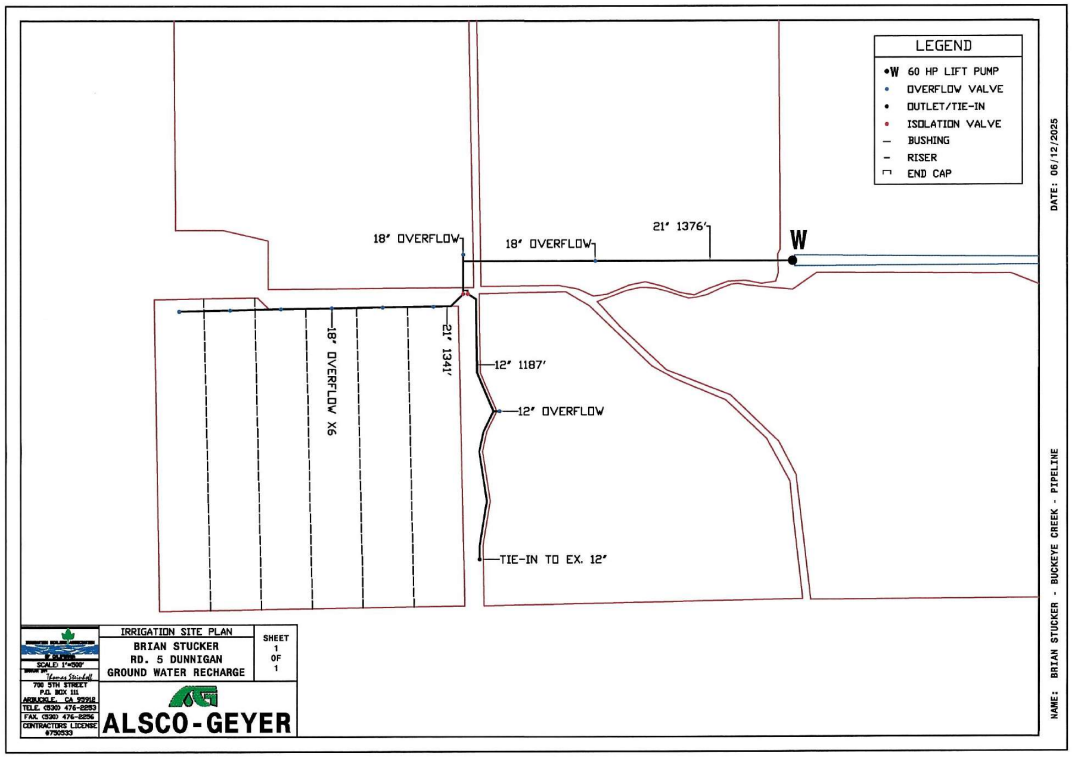


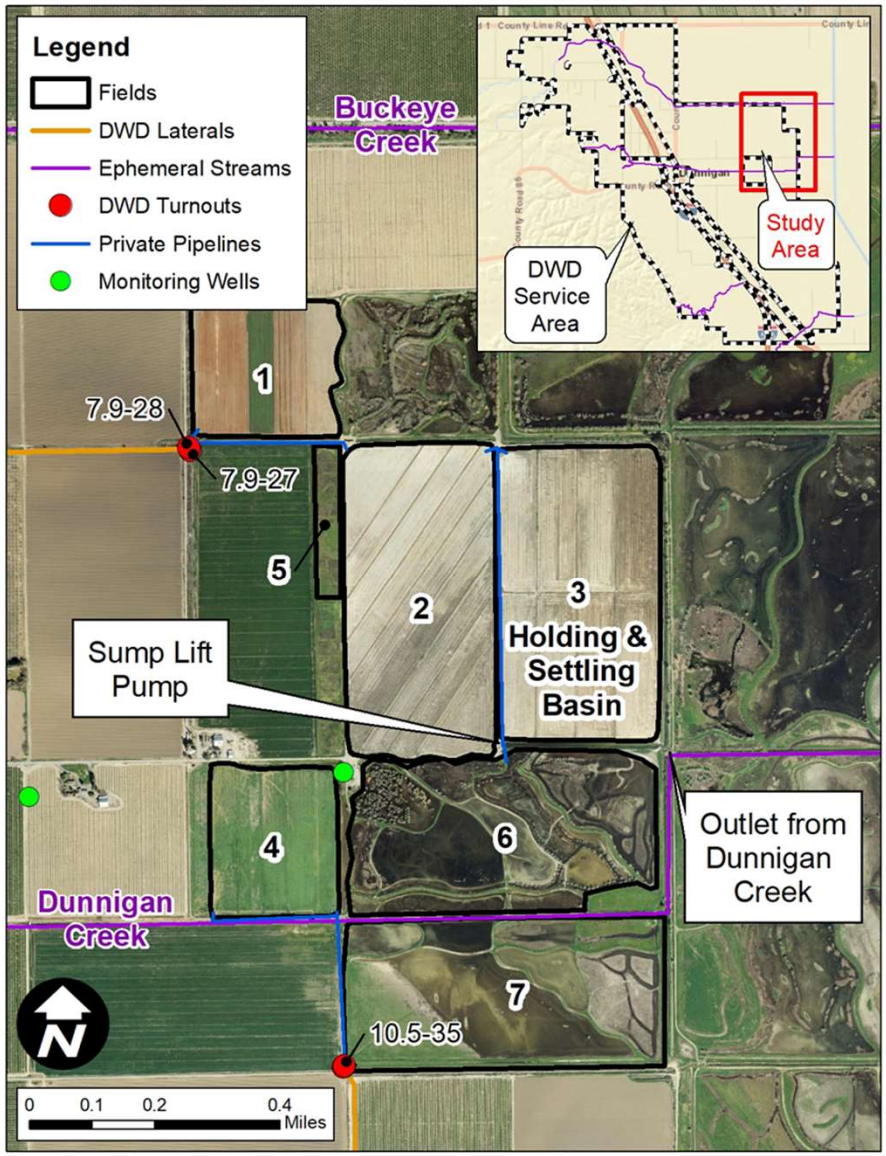
2D CROSS SECTION- MID TRANSECT 8





Stucker's Pipeline Extension Project





Dunnigan Water District
P.O. BOX 84, DUNNIGAN, CA. 95937
530-437-2221
dunniganwater@gmail.com

WESTSIDE SAC IRWM
Integrated Regional Water Management Plan

LWA

South Colusa / North Yolo Update

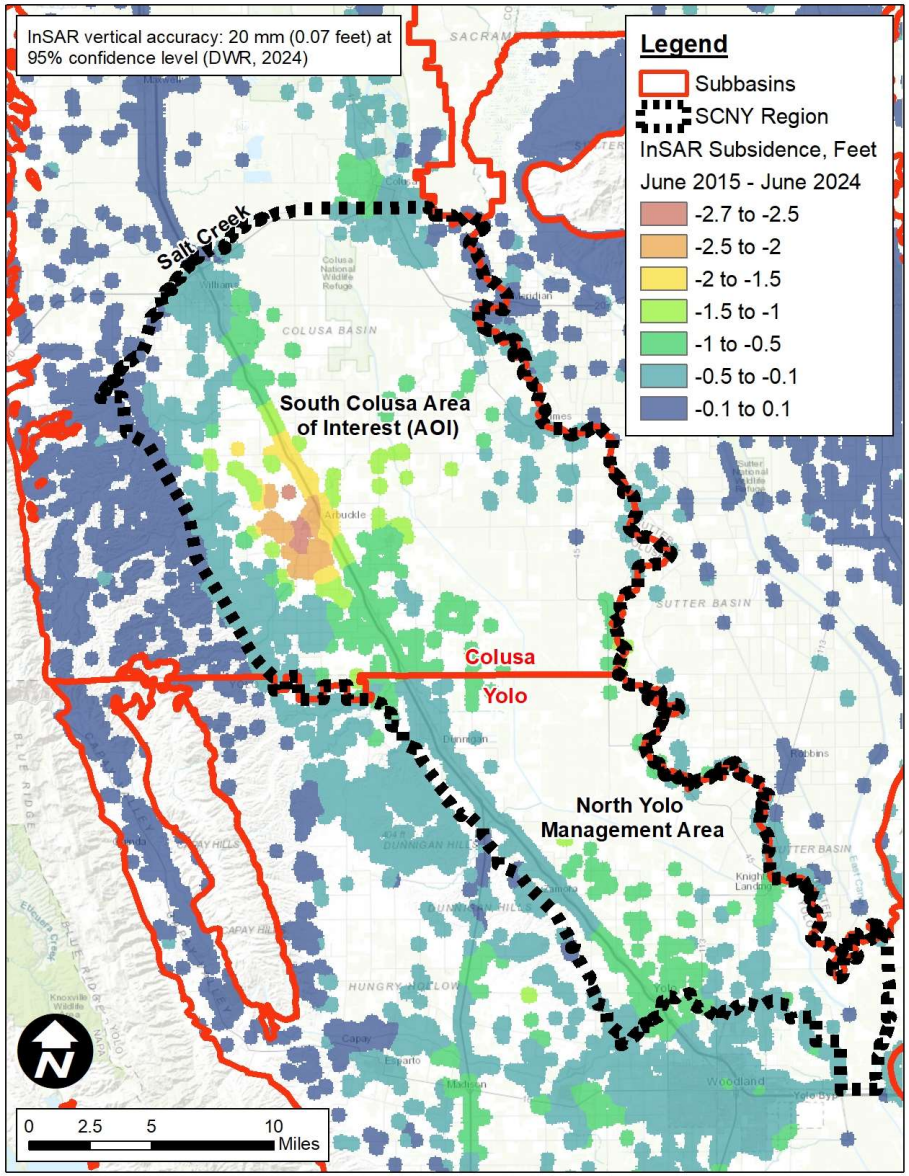
The Challenge

- GSAs often struggle to fund projects that supplement the groundwater basin.
- If SGMA Undesirable Results persist, the GSA will likely turn to Demand Management, the forced reduction of groundwater pumping.
- If the GSA is unable to address Undesirable Results, State fees for an out-of-compliance basin range from $44-$104 per acre just to write a new plan for our area, which would then be used to limit groundwater pumping.

SGMA Undesirable Results

- According to data from the respective GSPs, the SCNY area has an average annual overdraft of approximately 15,000 AF per year.

- SGMA undesirable results are being observed in this region, including lowering of groundwater levels and subsidence.



The Solution

- A group of concerned landowners and water districts assembled to fund groundwater recharge projects.
- Participants can voluntarily elect to contribute to the fund and, in turn, receive a statement of contributions equated to the volume of water recharged on their behalf.

Regional Cooperation Agreement

This **Regional Cooperation Agreement** (**Agreement**") is entered into and effective this ___day of _____, 2025 by and among the Parties listed in **Exhibit A** attached hereto and which have executed this Agreement (collectively the "**Parties**").

Recitals

WHEREAS the 2014 Sustainable Groundwater Management Act (**SGMA**) provides that groundwater basins subject to that Act must be managed under an approved Groundwater Sustainability Plans (**GSP**) on or before certain statutory deadlines, and that those GSPs are subject to periodic review and approval by the California Department of Water Resources; and

WHEREAS, in the event that a subbasin fails to demonstrate sufficient progress toward attaining groundwater sustainability, as set forth by SGMA, that subbasin may be referred to the State Water Resources Control Board (**SWRCB**) for State intervention; and

WHEREAS, the Yolo and Colusa subbasins (DWR basins 05-21.67 and 05-21.52 respectively) operate under GSPs approved by DWR and scheduled for periodic review and update in January 2027; and

WHEREAS, prior DWR reviews have identified specific topics of concern to be addressed in those January 2027 updates, including the implementation of best management practices to encourage reductions in groundwater pumping; specific strategies to reduce or eliminate subsidence; and in the case of the Colusa Subbasin, a commitment to developing and implementing a demand management program if necessary to fend off undesirable results within the subbasin; and

WHEREAS, if the issues identified by DWR are not addressed, the subbasins may be subject to more drastic regulatory intervention, including but not limited to SWRCB proceedings, State-directed groundwater fees, and the implementation of non-voluntary demand management or allocation programs; and

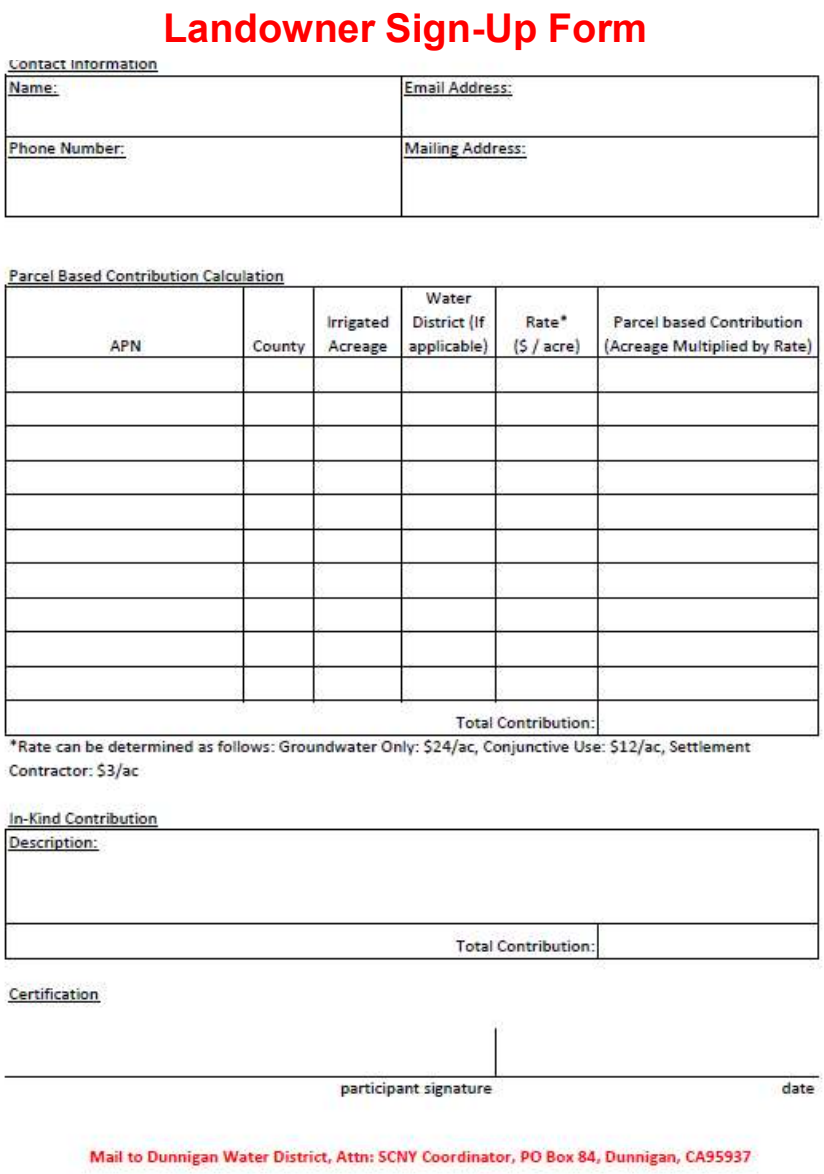
WHEREAS, the undersigned stakeholders within the Colusa and Yolo subbasins wish to collaborate to identify and implement voluntary measures designed to support the sustainable management of their respective groundwater basins, and further to minimize the need for such outside intervention; and

WHEREAS, the geographic area in which these efforts will be focused is reflected in **Exhibit B** (Region of Cooperation), as that exhibit may be amended from time to time; and

WHEREAS, based on the data provided in the approved Yolo GSP and Colusa GSP, Parties have identified 15,000 acre-feet of average annual additional recharge for the Region of Cooperation as a target volume (without including the Yolo Zamora area) which, if achieved,

Funding

- Voluntary contributions!
- Administered by a Program Coordinator.
- Proposed rates based on groundwater use:
  - White Areas - $24.00 per acre
  - Conjunctive Use Areas - $12.00 per acre
  - Sacramento River Settlement Contractors - $3.00 per acre



Landowner Sign-Up Form

Contact Information

Name:	Email Address:
Phone Number:	Mailing Address:

Parcel Based Contribution Calculation

APN	County	Irrigated Acreage	Water District (If applicable)	Rate* ($ / acre)	Parcel based Contribution (Acreage Multiplied by Rate)
				Total Contribution:	

*Rate can be determined as follows: Groundwater Only: $24/ac, Conjunctive Use: $12/ac, Settlement Contractor: $3/ac

In-Kind Contribution

Description:	
Total Contribution:	

Certification

participant signature date

Mail to Dunnigan Water District, Attn: SCNY Coordinator, PO Box 84, Dunnigan, CA95937

Recharge Projects

- The Operating Team will select which projects to implement:
- Projects include:
  - Ephemeral stream trickle flow recharge,
  - In-lieu recharge (using surface water instead of groundwater to irrigate), and
  - Direct recharge on fields (sometimes in combination with wetland habitat).

Discussion