



CGA/GGA Joint Board Meeting Packet

July 17, 2026

Special Meeting Agenda

July 17, 2026 | 1:30 p.m.

225 N. Tehama St., Willows, CA 95988

Alternate Meeting Locations:

244 SE Piper Dr., Holt, MO 64048

344 E. Laurel Street, Willows, CA 95988

840 1st Street, Arbuckle, CA 95912

1245 Poundstone Rd., Grimes, CA 95950

6360 Hahn Rd., Arbuckle, CA 95912

A live online viewing/listening only option is being offered via Microsoft Teams

Join: <https://teams.microsoft.com/meet/22154526188538?p=enNVedAQKnCMGtSBjU>

Meeting ID: 221 545 261 885 38 | Passcode: N3q9sm3U

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Please note that when you access the online meeting, you will be placed into a waiting room and admitted into the meeting by the Meeting Host. Public comment will only be taken in person or via email, there will be no option to provide public comment on the remote platform. In addition, if the remote viewing/listening option is interrupted or compromised, the meeting will continue in person.

* Indicates an Action Item

1. Call to Order, Roll Call, and Introductions
2. Period of Public Comment

At this time, members of the public may address the Board Members regarding items that are not on the agenda but are of relevance. Public comments are limited to three minutes. The Boards may not act on items not on the agenda.

3. Colusa Subbasin Periodic Evaluation and Plan Amendment
 - a. Receive updates on progress related to development of the Colusa Subbasin Periodic Evaluation and Plan Amendment.
 - b. Receive updates on proposed Recommended Corrective Action (RCA) responses related to groundwater elevation and groundwater dependent ecosystems.
 - c. Receive updates on proposed RCA responses related to land subsidence.
 - d. Receive updates on proposed RCA responses related to water quality and monitoring.

4. Groundwater Demand Management Program Development
 - a. Receive updates from staff, consultant team, and ad hoc committee members on Groundwater Demand Management Program triggers and actions.
 - b. Receive updates from staff, consultant team, and ad hoc committee members on Water Accounting System Statements and associated outreach materials.
5. Grant Writing Support Services
 - a. *Approve Davids Engineering, Inc. Proposal for Engineering Services Colusa Subbasin GSP Grant Support Services and determine lead GSA. (CGA/GGA)
 - b. *Authorize Chairman to execute agreement with Davids Engineering, Inc. for Colusa Subbasin GSP Grant Support Services in an amount not to exceed \$95,400. (Lead GSA)
 - c. *Agree to share the cost of Davids Engineering, Inc. Agreement on a 50/50 basis with lead GSA for Colusa Subbasin GSP Grant Support Services in an amount not to exceed \$47,700 per GSA. (Partner GSA)
6. Letter of Support: Colusa County Water District USBR WaterSMART Grant Application
 - a. *Authorize Chairman to sign a letter of support for the Colusa County Water District USBR WaterSMART grant application. (CGA. GGA)
7. Review Meeting Schedule and Next Steps
8. Staff Reports
9. Member Reports and Comments
10. Adjournment

A complete agenda packet, including back-up information, is available for inspection during normal business hours at 1213 Market Street, Colusa, CA 95932 or 225 N. Tehama St., Willows, CA 95988. The full agenda packet can also be found on the CGA and GGA websites: <https://colusagroundwater.org/agendas-and-minutes-2026/>; <https://www.countyofglenn.net/glenn-groundwater-authority/meetings>

In compliance with the Americans with Disability Act, if you require special accommodation to participate in this meeting, please contact the Carol Thomas Keefer, CGA Program Manager, at 650-587-7300 X17 or Glenn County Water Resources Division at 530-934-6540 prior to any meeting and arrangements will be made to accommodate you.

Staff Report

To: CGA-GGA Joint Board

Agenda Item: 3. Colusa Subbasin Periodic Evaluation and Plan Amendment

- a. Receive updates on progress related to development of the Colusa Subbasin Periodic Evaluation and Plan Amendment
- b. Receive updates on proposed Recommended Corrective Action (RCA) responses related to groundwater elevation and groundwater dependent ecosystems.
- c. Receive updates on proposed RCA responses related to land subsidence.
- d. Receive updates on proposed RCA responses related to water quality and monitoring.

Date: July 17, 2026

Background

In April 2024, the Glenn Groundwater Authority (GGA) and Colusa Groundwater Authority (CGA) submitted a Revised Colusa Subbasin Groundwater Sustainability Plan (GSP) to address deficiencies identified by the Department of Water Resources. The 2024 GSP was approved by DWR in February 2025. The determination letter included several Recommended Corrective Actions (RCAs) that should be addressed during the GSP Periodic Evaluation.

GSP Periodic Evaluations are required to be completed at least every five years. The Colusa Subbasin GSP Periodic Evaluation is due by January 28, 2027.

GSPs are living documents that must be adapted as new information becomes available and conditions change. Depending on the adaptations, GSP Plan Amendments may be required to capture the changes. It is expected that the Colusa Subbasin GSP will be amended to capture relevant updates related to GSP implementation and to address the RCAs.

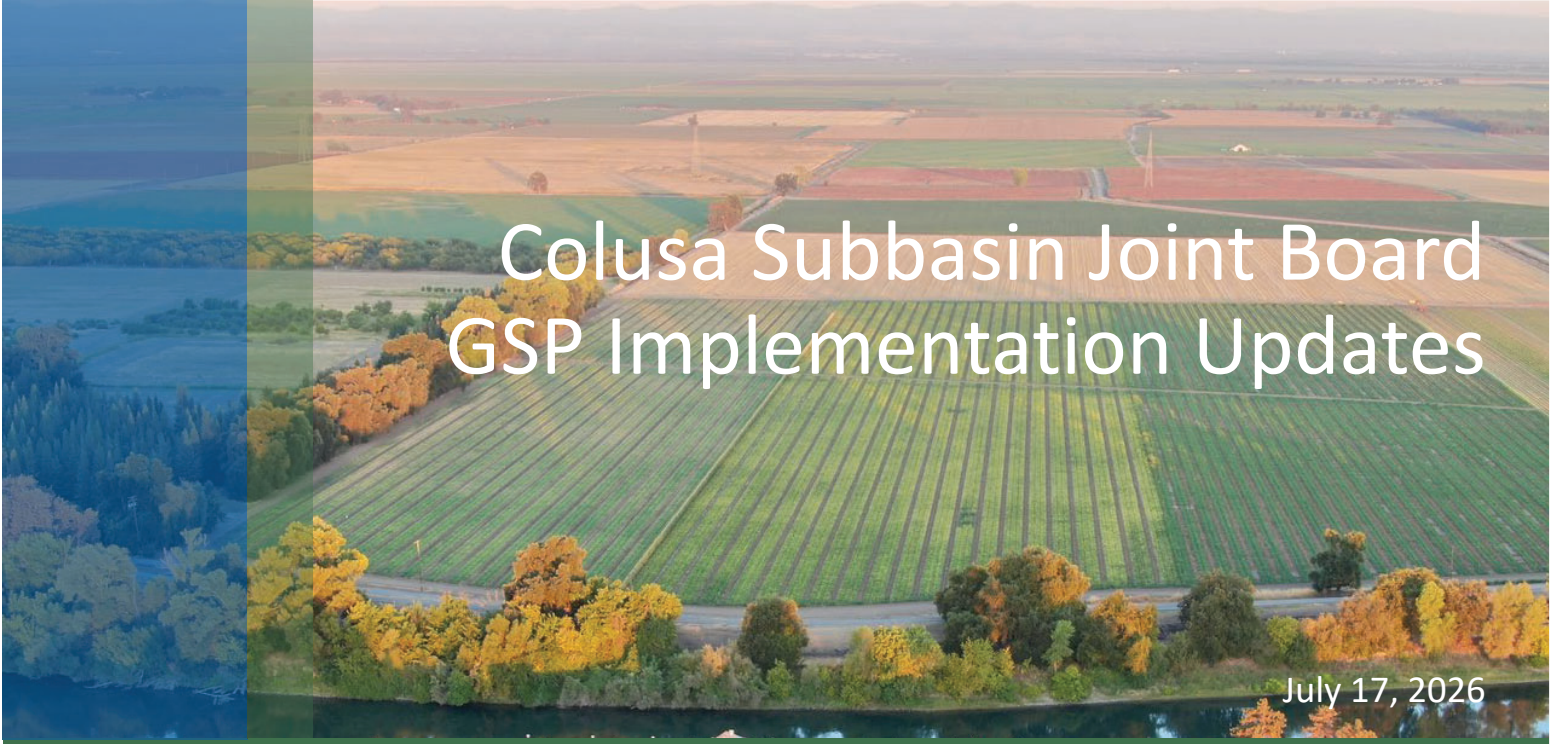
Staff, the consultant team, Counsel, and Board members will share updates and hold discussion relating to the Colusa Subbasin Periodic Evaluation and Plan Amendment.

Recommendation

1. Hold discussion and provide direction to staff, consulting team, legal counsel, and or committees as needed.

Attachments

- Draft Presentation



Colusa Subbasin Joint Board GSP Implementation Updates

July 17, 2026

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Outline

- Item 3 - Colusa Subbasin Periodic Evaluation and Plan Amendment
- Item 4 - Groundwater Demand Management Program Development
- Item 7 - Review Meeting Schedule and Next Steps

Item 3 - Colusa Subbasin Periodic Evaluation and Plan Amendment

Colusa Subbasin Joint Board GSP Updates

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Colusa Subbasin Periodic Evaluation and Plan Amendment

- GSP Periodic Evaluation and Plan Amendment are in progress
 - **Plan Amendment:** Draft GSP updates in mid-Sept. 2026 (public review process)
 - **Periodic Evaluation:** Draft report in Oct. 2026 (GSA review)
- Plan Amendment is focused on responses to DWR's April 2024 approval letter "Recommended Corrective Actions" (RCAs)
- Proposed RCA responses to review today:
 - Groundwater elevation and groundwater dependent ecosystems (GDEs)
 - Land subsidence
 - Water quality and monitoring

Colusa Subbasin Joint Board GSP Updates

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Item 3b - GSP RCAs for Groundwater Elevation and GDEs

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RCAs and Proposed Approaches for Response

- Discuss how “Focus Areas” (used to set SMC) consider beneficial uses/users.
 - GSP describes criteria for dry wells (within 3 mi), subsidence (≥ 1 ft from 2015-2023).
- Also point to:
 - Critical infrastructure (map)
 - Concern for greater sensitivity of these uses/users (dry wells, subsidence impacts)

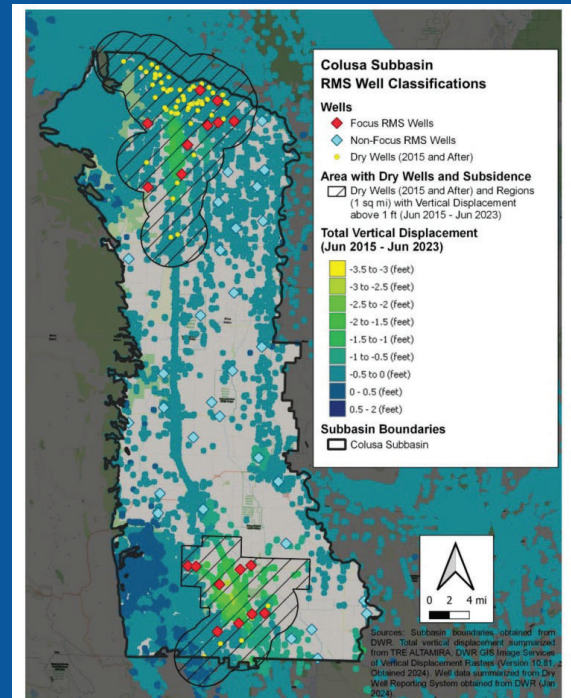


Figure 5-4. Groundwater Level Representative Monitoring Network and Identification of Focus and Non-Focus RMS Wells.

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RCAs and Proposed Approaches for Response (continued...)

- Identify groundwater dependent ecosystems (GDEs).
 - GSP includes analysis of GDEs (GIS data), scores potential GDEs (1 less → 4 most likely)
 - Clarify data, point to “most likely” GDEs (score 4) as best available data
- Discuss potential impacts of groundwater level SMC to GDEs and other sustainability indicators.
 - Point to levels being above MTs and 2027 IMs across Subbasin, GDM program backstop
 - Also discuss SMC near critical infrastructure, GDEs (maps)

Colusa Subbasin Joint Board GSP Updates

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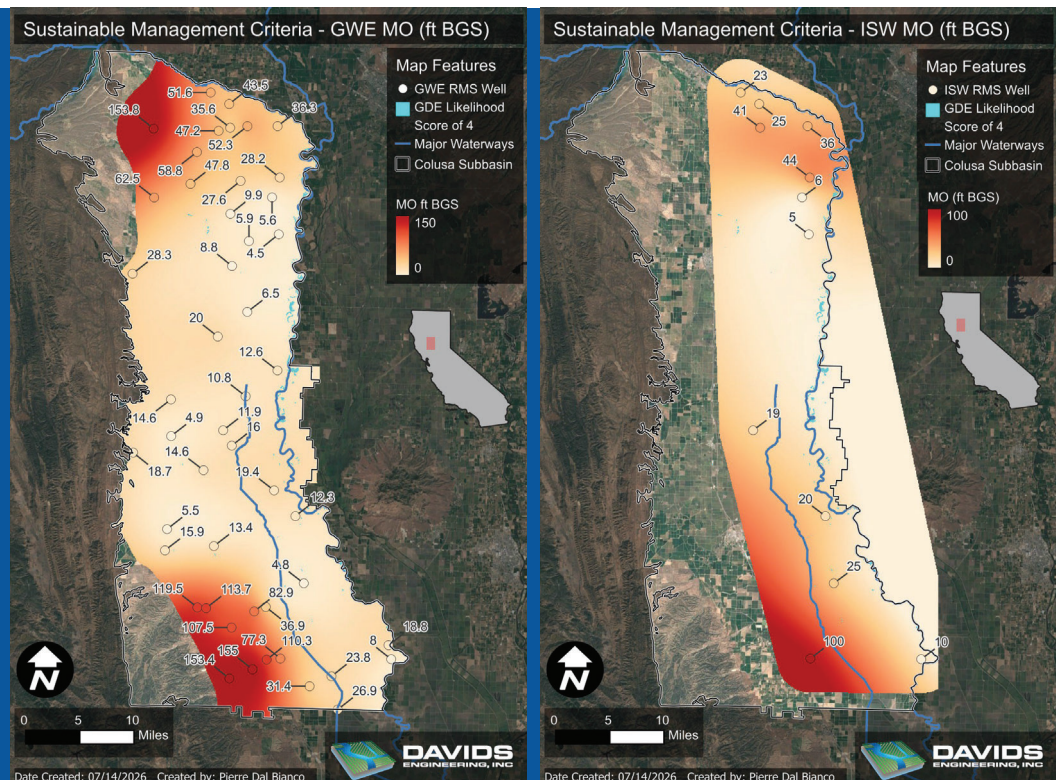
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Measurable Objectives (MOs) Across the Subbasin

- MOs are the “goal” (2042 target)
- MOs are shallow near the Sacramento River and areas mostly likely to be GDEs (score 4):
 - GWE: ~5-30 feet below ground surface (ft bgs)
 - ISW: similar range
- Deeper MOs near northwest and southwest edges



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Item 3c - GSP RCAs for Land Subsidence

Critical Head

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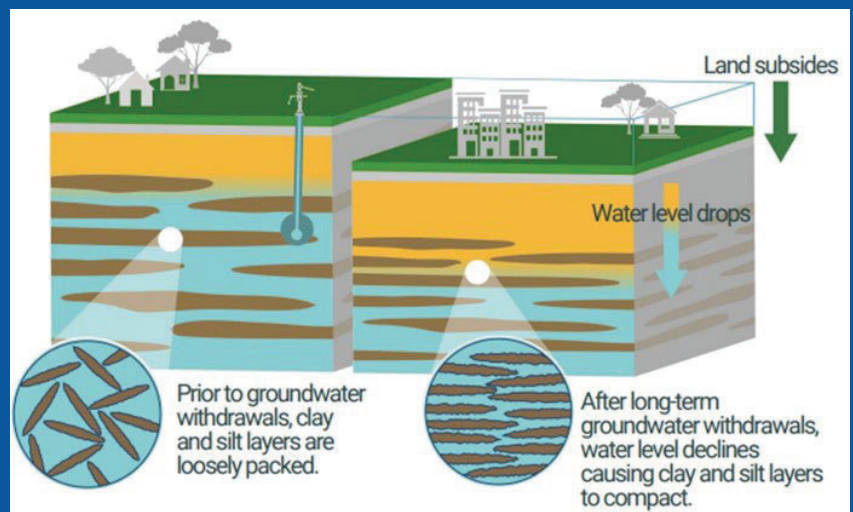
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DWR's Land Subsidence BMP and Critical Head

- DWR Land Subsidence BMP
 - Released 01/21/2026
 - DWR-Colusa meeting 04/27/2026
- “Critical head” is the groundwater level below which permanent compaction begins (i.e., subsidence)
- DWR wants the GSAs to quantify critical head to connect groundwater elevation SMC to subsidence risk/impacts



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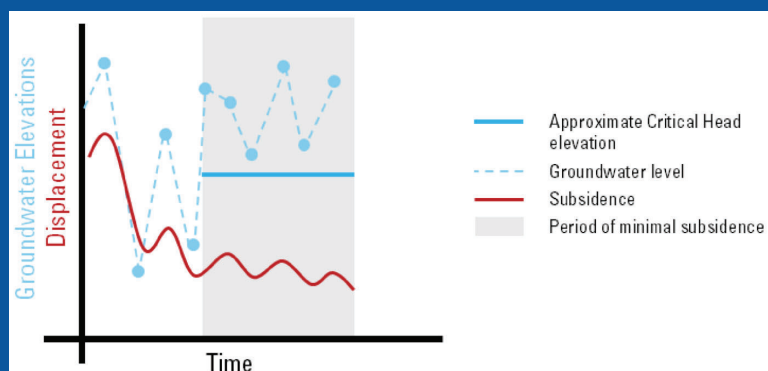


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Source: <https://water.ca.gov/Programs/Groundwater-Management/Subsidence>

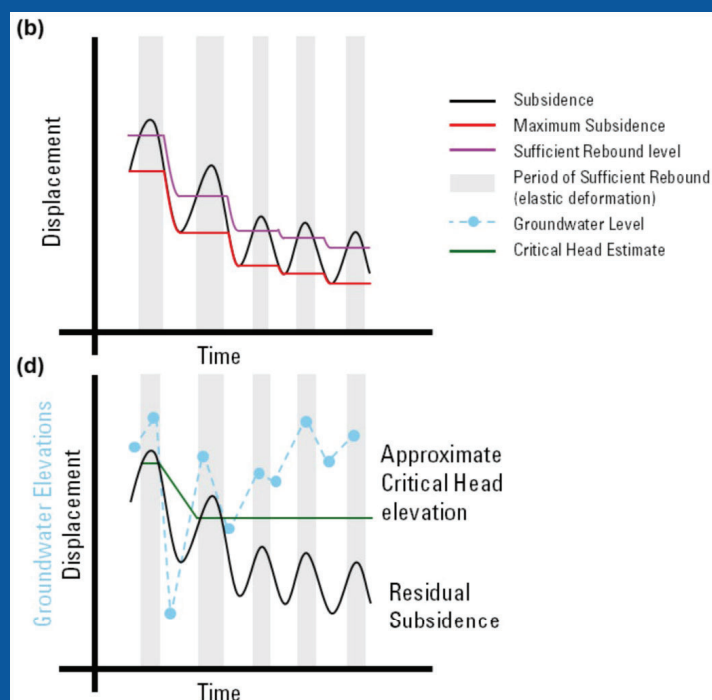
Critical Head Quantification

- Subsidence BMP gives three methods to quantify critical head:
 - Trend-based
 - Empirical
 - Modeling
- Recommend quantifying critical head through empirical approach



Critical Head Quantification

- Subsidence BMP gives three methods to quantify critical head:
 - Trend-based
 - Empirical
 - Modeling
- Recommend quantifying critical head through empirical approach



Proposed Approach to Analyze and Report Critical Head

- Analyze critical head through empirical approach (or trend based if needed)
- Compare critical head values with existing GWL SMC (MTs, MOs)
- Review results, especially in Focus Areas and near critical infrastructure
- Consider revising GWL SMC if:
 - Below the critical head
 - Within a focus area
 - Near critical infrastructure
- *Approach generally consistent with Yolo Subbasin approach*

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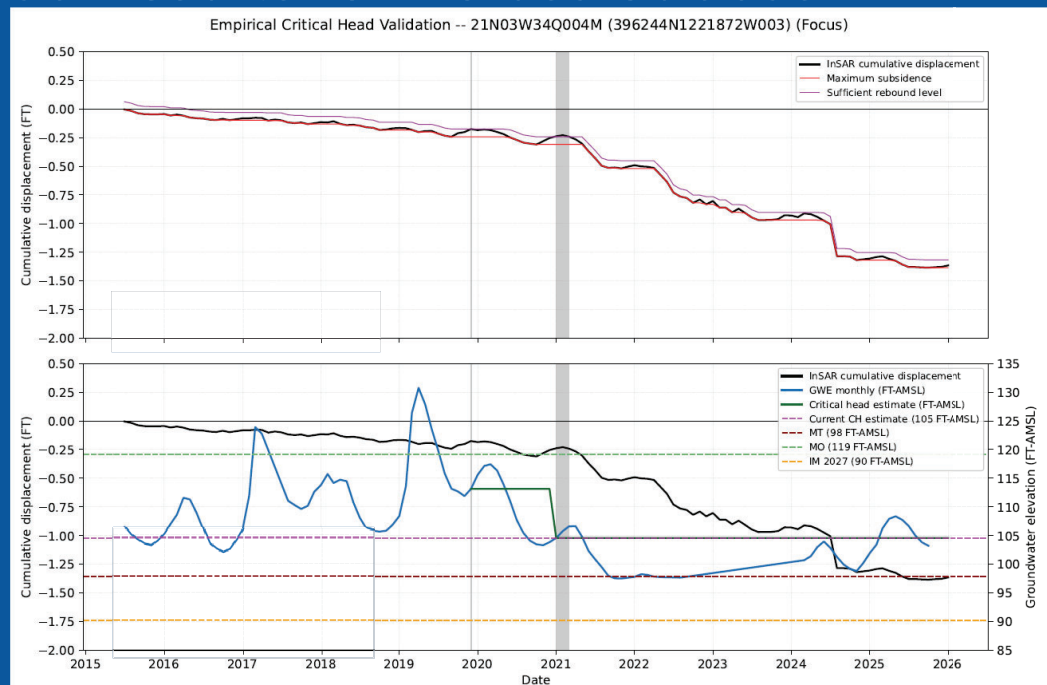
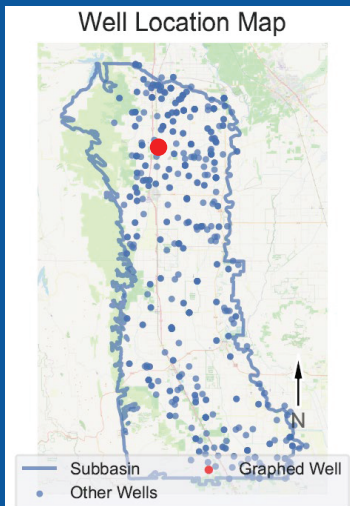


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DRAFT Critical Head Results for Colusa Subbasin Empirical Approach

21N03W34Q004M
(Focus RMS in GGA)

Well Location Map



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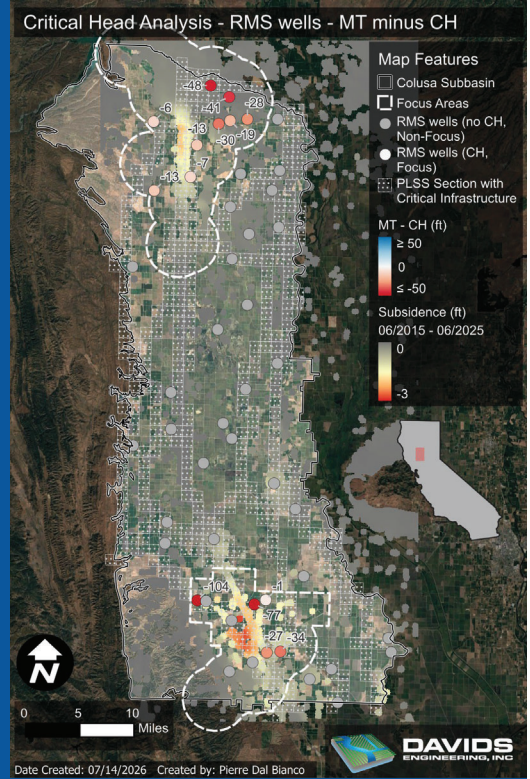
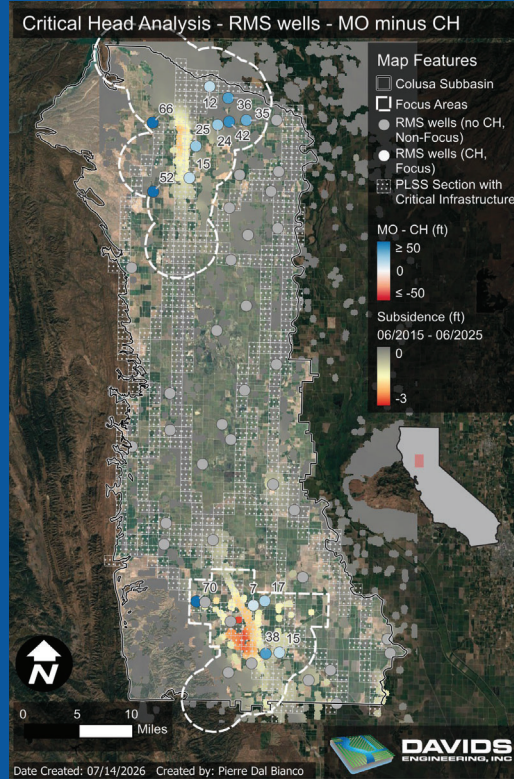
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DRAFT Critical Head Results for Colusa Subbasin Empirical Approach

- MOs above Critical Head (CH) in all Focus Areas*
- MTs below CH at most wells including Focus Areas
 - Consider proximity to critical infrastructure
- Recommendation:
 - No MO changes
 - Consider MT changes in Focus Areas near critical infrastructure



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* Focus areas include areas with historical subsidence and reported dry wells.

Item 3c - GSP RCAs for Land Subsidence

Other Subsidence RCA Topics

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Other Subsidence RCA Topics

RCA	Proposal
RCA 3a, Infrastructure Map: Document infrastructure considered when defining undesirable results; provide maps/tables of specific infrastructure plus formal correspondence on susceptibility and explain how land uses/property interests were determined.	Provide a map and supporting text correlating infrastructure locations with subsidence extent, and documented stakeholder outreach.
RCA 3b/3c, UR/MT Spatial Extent: Define the spatial extent, rate, and cumulative limit of subsidence that constitutes an undesirable result (UR)/minimum threshold (MT), tied to beneficial uses and infrastructure impacts.	Retain existing spatial extent, PLSS sections, with added justification and further linking them to identified users and infrastructure.
● RCA 3d, UR Definition: Redefine UR conditions so they trigger with subsidence that substantially interferes with land uses.	Incorporate the proposed GDM framework, specifically reduce the confirmation period from two years to one. Link to the critical infrastructure documentation.
● RCA 3e, Triggers for Action: Redefine yellow/red-light trigger conditions so they are tied to feasibly preventing a UR.	Incorporate the proposed GDM framework, specifically add an intermediate (Orange) tier to allow earlier, graduated response. •Yellow at 0.5 ft/ 0.1 ft-yr at 6 contiguous sections (GDM Action 1) •Orange at 1.0 ft/ 0.1 ft-yr at 8 contiguous sections (GDM Action 2) •Red at 2.0 ft/ 0.1 ft-yr at 6 contiguous sections (GDM Action 3)

Colusa Subbasin Joint Board GSP Updates

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● Red dot indicates items that may need board approval

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Item 3d - GSP RCAs for Water Quality and Monitoring

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Water Quality RCA Topics

RCA	Proposal
6a, Sulfate as a COC: Either add sulfate as a constituent of concern (COC) in a future GSP update or provide adequate reasoning for excluding it.	Designate sulfate as a constituent of concern, supported by geochemical analysis.
7a, EC as Proxy: Revise SMC to include identified COCs or demonstrate with evidence that TDS is a reasonable proxy for other constituents.	Demonstrate EC as a reliable proxy where supported, and confirm remaining constituents are stable or regulated under an existing program, verified periodically or as needed.
7b, Undesirable Result Narrative: Revise the UR definition so groundwater conditions count in the significant/unreasonable assessment <i>regardless of whether GSA actions caused them</i> .	Consider clarifying the causation requirement in the UR/SMC definitions, with cause evaluated as a subsequent step in coordination with the Regional Board. Consider describing specific GSA coordination actions with the Regional Board.
7c, Coordination Protocol: Coordinate with drinking water, environmental, and irrigation users, plus water quality regulatory agencies/programs, to build a defined process for monitoring and determining whether GSA management/extraction is degrading water quality.	Summarize coordination in one place with an annual protocol described in GSP Section 7. Coordination includes data compilation steps including monitoring frequency (RCA 9b), quality control, trend analysis, management effects determination if needed, and coordination and communication contacts.

Colusa Subbasin Joint Board GSP Updates

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● Red dot indicates items that may need board approval

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Monitoring Network RCA Topics

RCA	Proposal
9a, Network Coverage for COCs: Revise the monitoring network to include identified COCs or demonstrate TDS as a reasonable proxy.	No current edits to the water quality monitoring network, addressed in RCA 7a.
9b, Sampling Frequency Tables: Update the network to specify sampling frequency and data review frequency per well, sufficient to detect trends, reported in tabular format.	Addressed through the water quality coordination protocol (RCA 7c), which will document monitoring frequency.

Colusa Subbasin Joint Board GSP Updates

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● Red dot indicates items that may need board approval

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Item 4a - Groundwater Demand Management (GDM) Program Development

GDM Triggers and Actions

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DE Task Order Review and Discussion

Note: 1173 = CGA; 1178 = GGA

GSP Imp Support Remaining:
~\$41K*

Outreach Support:
~\$32K Remaining

Periodic
Evaluation
and Plan
Amendment
(1178.07)

~\$240K Remaining

Colusa
Subbasin GSP
WY 2025
Annual
Report
(1173.03.04)

~\$1K Remaining

Colusa
Subbasin GSP
Imp. Support
(1173.05.03)

~\$73K Remaining

Groundwater
Demand
Management
Program
Development

Colusa
Subbasin
Water
Accounting
System Phase
I (1178.08.01)

~\$9K Remaining

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GDM Ad Hoc Meetings (2026)

- 01/08/2026 - Refocusing efforts after Water Accounting System (WAS) RFQ and selection process
- 02/20/2026 - Groundwater budgets and sustainable yield
- 03/12/2026 - GDM triggers and actions
- 04/09/2026 - GDM triggers and actions, continued
- 05/14/2026 - Water Accounting System updates and GDM triggers and actions, continued
- 06/04/2026 - Outreach, Water Accounting System updates, GDM triggers and actions, continued
- 07/09/2026 - GDM triggers and actions, continued
- 08/06/2026 - Funding for GDM actions and outreach plan/framework (WAS statement/flyer)
- 09/10/2026 - Funding for GDM actions and outreach plan/framework (WAS statement/flyer)
- 10/08/2026 - Draft GDM Program documentation review and discussion
- 10/08/2026 - Draft GDM Program documentation review and discussion
- 12/03/2026 - Approve final GDM Program documentation and outline next steps into 2027

GDM Program Development - Draft GDM Pilot Program Documentation Outline

- Introduction
- GDM Triggers and Monitoring Approaches
 - Groundwater Levels at RMS Wells
 - Cumulative Subsidence from InSAR
 - Annual Subsidence from InSAR
- GDM Implementation Trigger Thresholds and Actions
 - Action 0
 - Trigger and Action 1
 - Trigger and Action 2
 - Trigger and Action 3
- Public Outreach and Engagement
- Program Implementation and Management (including funding)

Sustainability Indicators	GDM Action 0	Trigger 1 (Yellow Light)	GDM Action 1	Trigger 2 (Orange Light)	GDM Action 2	Trigger 3 (Red Light)	GDM Action 3	SWRCB
Groundwater Levels / Storage	Water Accounting System (WAS)	Some primary questions for trigger thresholds and actions: 1. <u>Where to set trigger thresholds?</u> 2. <u>What actions should be taken?</u> 3. <u>How should these actions be funded?</u> 4. <u>Where should the actions be focused?</u>				Unde sirable result(s) in the Subbasin	Most robust Adaptive man datory measures to mitigate overdraft	State (SWRCB) Inter vention
	And							
Subsidence	Support voluntary PMA implementor efforts while maximizing State/Federal investments							
	GDM Outreach and Education							

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Committee Draft Action 0 Proposal

Sustainability Indicator	GDM Action 0	Action 0 – Spatial Considerations?	GDM Action 0 – Funding?
Groundwater Levels/Storage	Develop GDM Program and Implement Water Accounting System (WAS)	Subbasin wide	TBD (CGA/GGA may need associated funding action)
	Continue PMA Implementation and continue to maximize State and Federal Funds		
Cumulative Subsidence	Continue coordination with voluntary landowner efforts		
Subsidence Rate	Implement GDM outreach and education program with specific focus on providing water accounting statements and further explaining the Draft GDM Program		

Colusa Subbasin Joint Board GSP Updates

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Committee Draft Trigger and Action 1 Proposal

Sustainability Indicator	Trigger 1 (Yellow Light)	GDM Action 1	GDM Action 1 – Spatial Considerations?	GDM Action 1 – Funding?
Groundwater Levels/Storage	12.5% (6) RMS wells fall below 50% between their MT and MO for two consecutive fall minimum measurements	Continue implementation of GDM outreach and education program with specific focus on motivating voluntary GDM actions and GDM Action 2 (e.g., preparations for proposition 218 process for NGWI fees)	Subbasin wide	TBD
Cumulative Subsidence	Cumulative subsidence is greater than 0.5 FT at 3 contiguous sections within 1 mile of critical infrastructure	Implement other strategic actions to prepare for GDM Action 2 (e.g., provide access to water accounting data via online portal)		
Annual Subsidence	Annual subsidence is > 0.10 FT / YR at 6 contiguous sections for 2 consecutive years			

Colusa Subbasin Joint Board GSP Updates

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Committee Draft Trigger and Action 2 Proposal

Sustainability Indicator	Trigger 2 (Orange Light)	GDM Action 2	GDM Action 2 – Spatial Considerations?	GDM Action 2 – Funding?
Groundwater Levels/Storage	12.5% (6) RMS wells fall below 25% between their MT and MO for two consecutive fall minimum measurements	Implement NGWI fees and use for implementation of GDM Actions	Subbasin wide	TBD
Cumulative Subsidence	Cumulative subsidence is greater than 1.0 FT at 2 contiguous sections within 1 mile of critical infrastructure	Continue implementation of GDM outreach and education program with specific focus on GDM Action 3 (i.e., allocation program)		
Subsidence Rate	Annual subsidence is > 0.10 FT / YR at 8 contiguous sections for 2 consecutive years	Implement other strategic actions to prepare for GDM Action 3 (e.g., develop a comprehensive allocation program)		

Colusa Subbasin Joint Board GSP Updates

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Committee Draft Trigger and Action 3 Proposal

Sustainability Indicator	Trigger 3 (Red Light)	GDM Action 3	GDM Action 3 – Spatial Considerations?	SWRCB Intervention	GDM Action 3 – Funding?
Groundwater Levels/Storage	12.5% (6) RMS wells fall below their MT for two consecutive fall minimum measurements (UR)	In addition to GDM Actions 1 and 2, implement groundwater allocation of sustainable yield, with policies for transitional water, carryover, penalties, water markets, etc.	Subbasin Wide	Administrative Fees: - \$300 / Well / YR - \$20 / AF of Groundwater Extracted (Probationary Subbasin)	TBD
Cumulative Subsidence	Cumulative subsidence is greater than 2.0 FT for any sections (UR)			Enforcement: - Likely includes extraction limits - Likely includes large penalties - Other unknown SWRCB actions	
Subsidence Rate	Annual subsidence is > 0.10 FT / YR at 10 contiguous sections for 2 consecutive years (UR)				

Colusa Subbasin Joint Board GSP Updates

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Sustainability Indicator	GDM Action 0	Trigger 1 (Yellow Light)	GDM Action 1	Trigger 2 (Orange Light)	GDM Action 2	Trigger 3 (Red Light)	GDM Action 3	SWRCB Intervention
Groundwater Levels/Storage	Develop GDM Program and Implement Water Accounting System (WAS)	12.5% (6) RMS wells fall below 50% between their MT and MO for 2 consecutive fall minimum measurements	Continue implementation of GDM outreach and education program with specific focus on motivating voluntary GDM actions and GDM Action 2 (e.g., preparations for proposition 218 process for NGWI fees)	12.5% (6) RMS wells fall below 25% between their MT and MO for 2 consecutive fall minimum measurements	Implement NGWI fees and use for implementation of GDM Actions	12.5% (6) RMS wells fall below their MT for 2 consecutive fall minimum measurements (UR)	In addition to GDM Actions 1 and 2, implement groundwater allocation of sustainable yield, with policies for transitional water, carryover, penalties, water markets, etc.	<u>Administrative Fees:</u> - \$300 / Well / YR - \$20 / AF of Groundwater Extracted (Probationary Subbasin) <u>Enforcement:</u> - Likely includes extraction limits - Likely includes large penalties - Other unknown SWRCB actions
	Continue PMA Implementation and continue to maximize State and Federal Funds	Cumulative subsidence is greater than 0.5 FT at 3 contiguous sections within 1 mile of critical infrastructure		Cumulative subsidence is greater than 1.0 FT at 2 contiguous sections within 1 mile of critical infrastructure	Continue implementation of GDM outreach and education program with specific focus on GDM Action 3 (i.e., allocation program)	Cumulative subsidence is greater than 2.0 FT for any sections (UR)		
Cumulative Subsidence	Continue coordination with voluntary landowner efforts		Implement other strategic actions to prepare for GDM Action 2 (e.g., provide access to water accounting data via online portal)				Implement other strategic actions to prepare for GDM Action 3 (e.g., develop a comprehensive allocation program)	
Annual Subsidence	Implement GDM outreach and education program with specific focus on providing water accounting statements and further explaining the Draft GDM Program	Annual subsidence is > 0.10 FT / YR at 6 contiguous sections for 2 consecutive years	Annual subsidence is > 0.10 FT / YR at 8 contiguous sections for 2 consecutive years	Annual subsidence is > 0.10 FT / YR at 10 contiguous sections for 2 consecutive years (UR)				
Prop 26 (WAT § 10730)				Prop 218 (WAT § 10730.2)				
GDM Outreach and Education								

Colusa Subbasin Joint Board GSP Updates

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Item 4a - Groundwater Demand Management (GDM) Program Development

Current Conditions Relative to Draft GDM Program Triggers - Groundwater Levels

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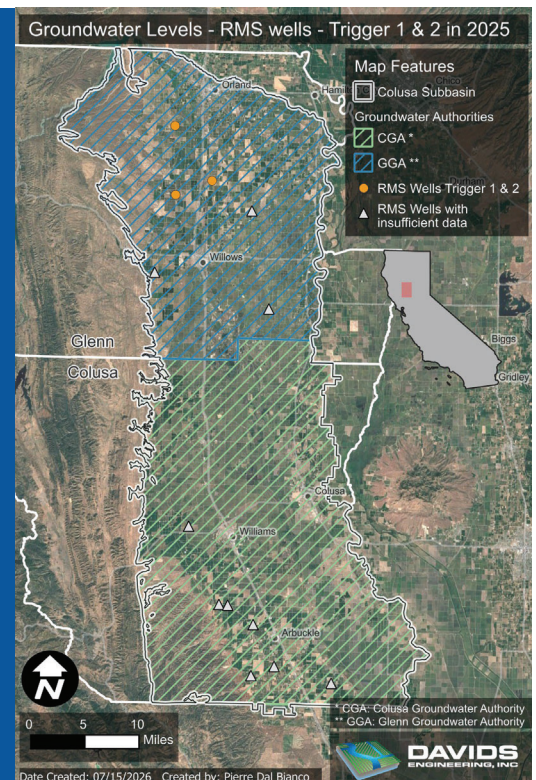
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Current Conditions Relative to Draft GDM Triggers - GW Levels

- No Draft Trigger 1, 2, or 3 conditions present currently (WY 2025)
- 3 RMS Wells at Draft Trigger 2 levels currently (WY 2025)
 - Draft Triggers 1, 2, and 3 require 6 RMS Wells consistent with the undesirable result definition
- RMS Wells with insufficient groundwater level data to determine conditions for WY 2025:
 - CGA: 7 RMS Wells
 - GGA: 3 RMS Wells
- 10 RMS Wells at Trigger 1 in WY 2023



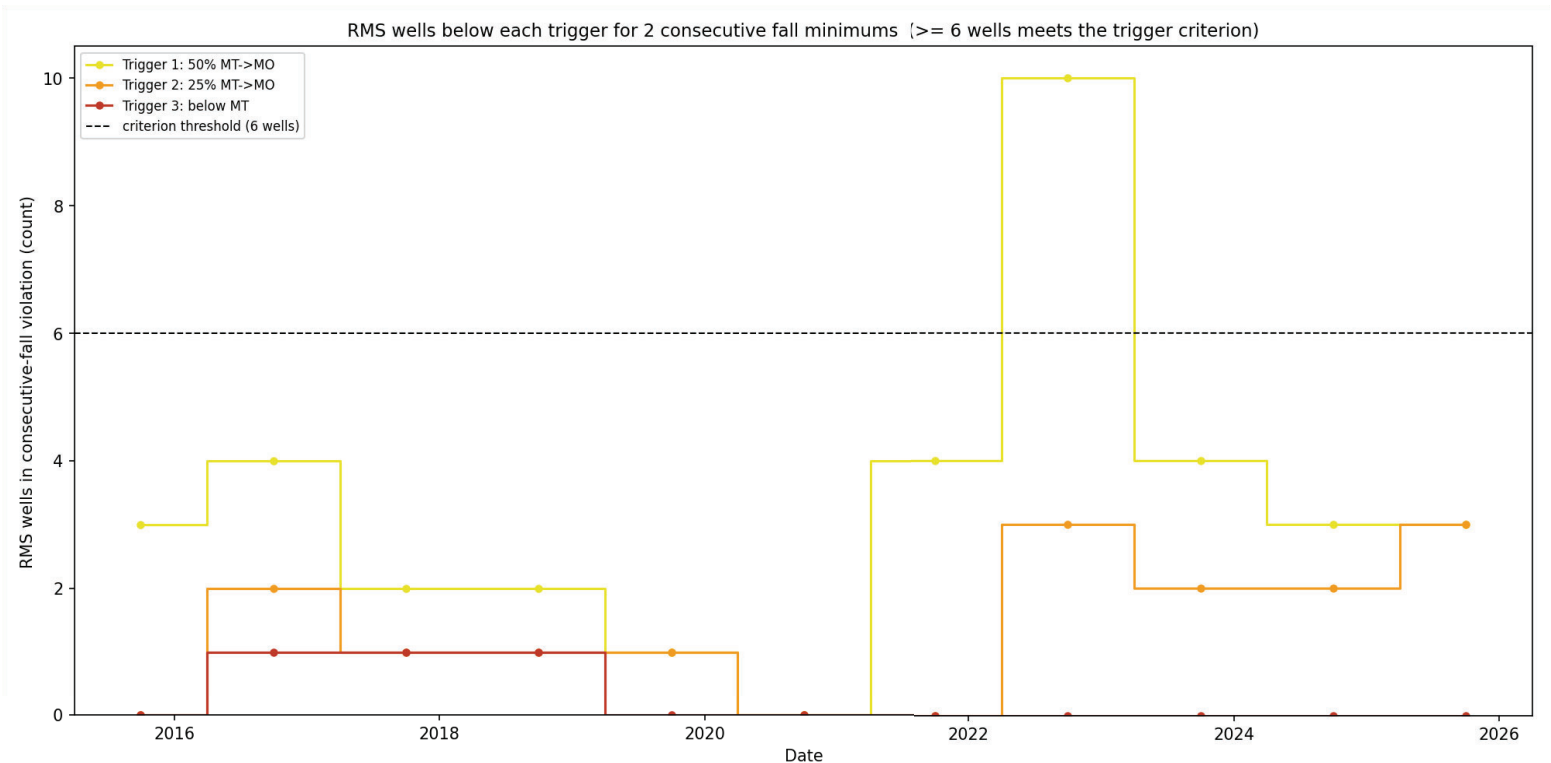
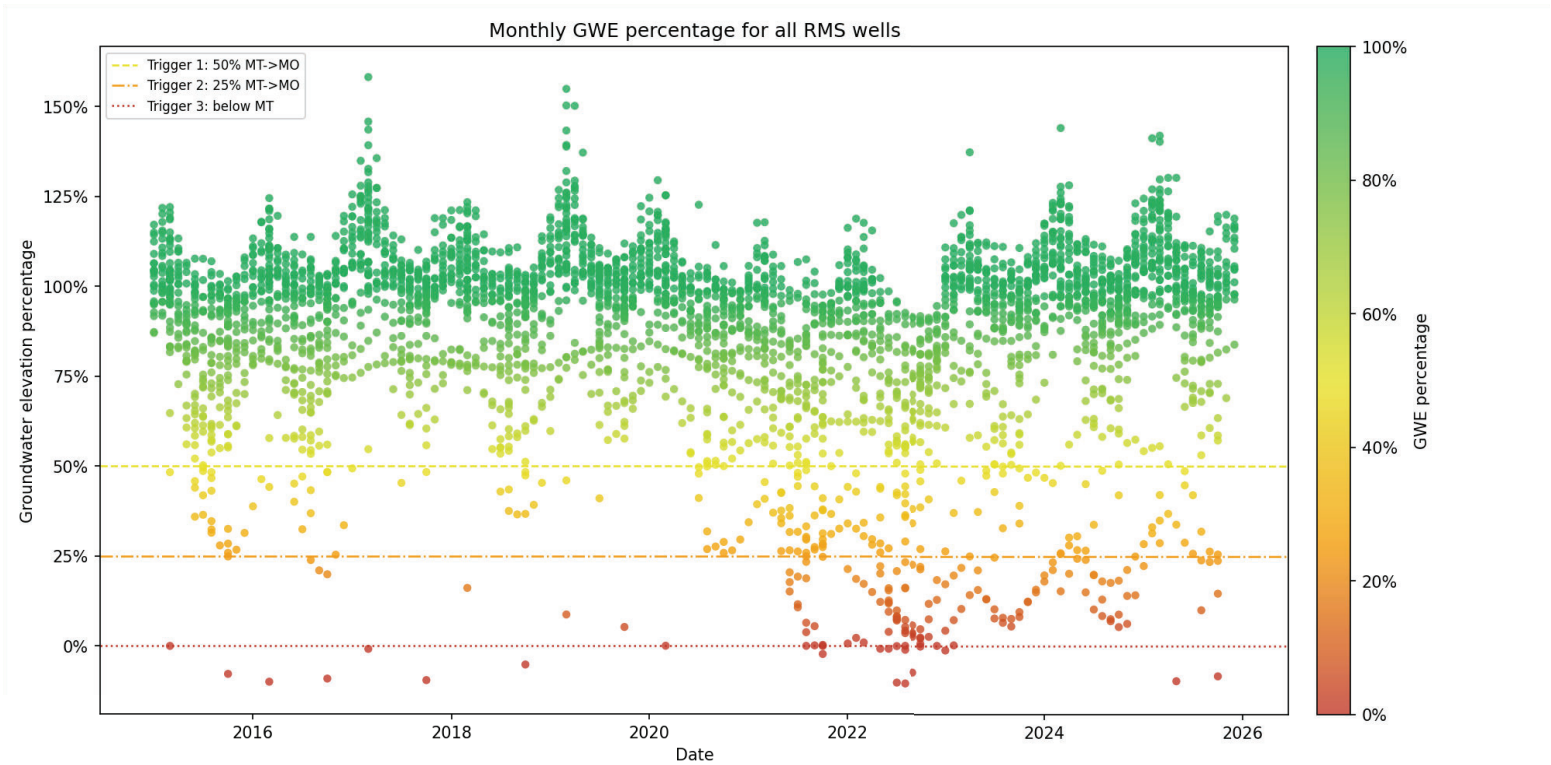
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Item 4a - Groundwater Demand Management (GDM) Program Development

Current Conditions Relative to Draft GDM Program Triggers - Cumulative Subsidence

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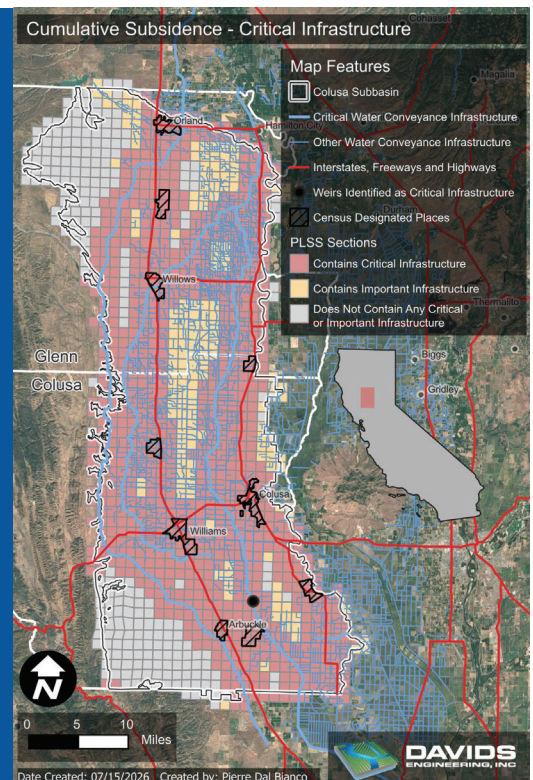
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Current Conditions Relative to GDM Draft Triggers - Cumulative Subsidence

- No Draft Trigger 1, 2, or 3 conditions present currently (WY 2025)
- Several PLSS Sections have between 0.3 to 0.4 FT of cumulative subsidence since January 2024
- Details on PLSS Section classification:
 - Critical infrastructure includes interstates, freeways, and highways; critical water conveyances facilities; and census designated places
 - Important infrastructure includes other water conveyance facilities
 - 1 mile buffer from critical infrastructure used
 - PLSS Sections classified as either: (1) critical (red; 865), (2) important (yellow; 164), or (3) other (gray; 244) as it relates to critical infrastructure



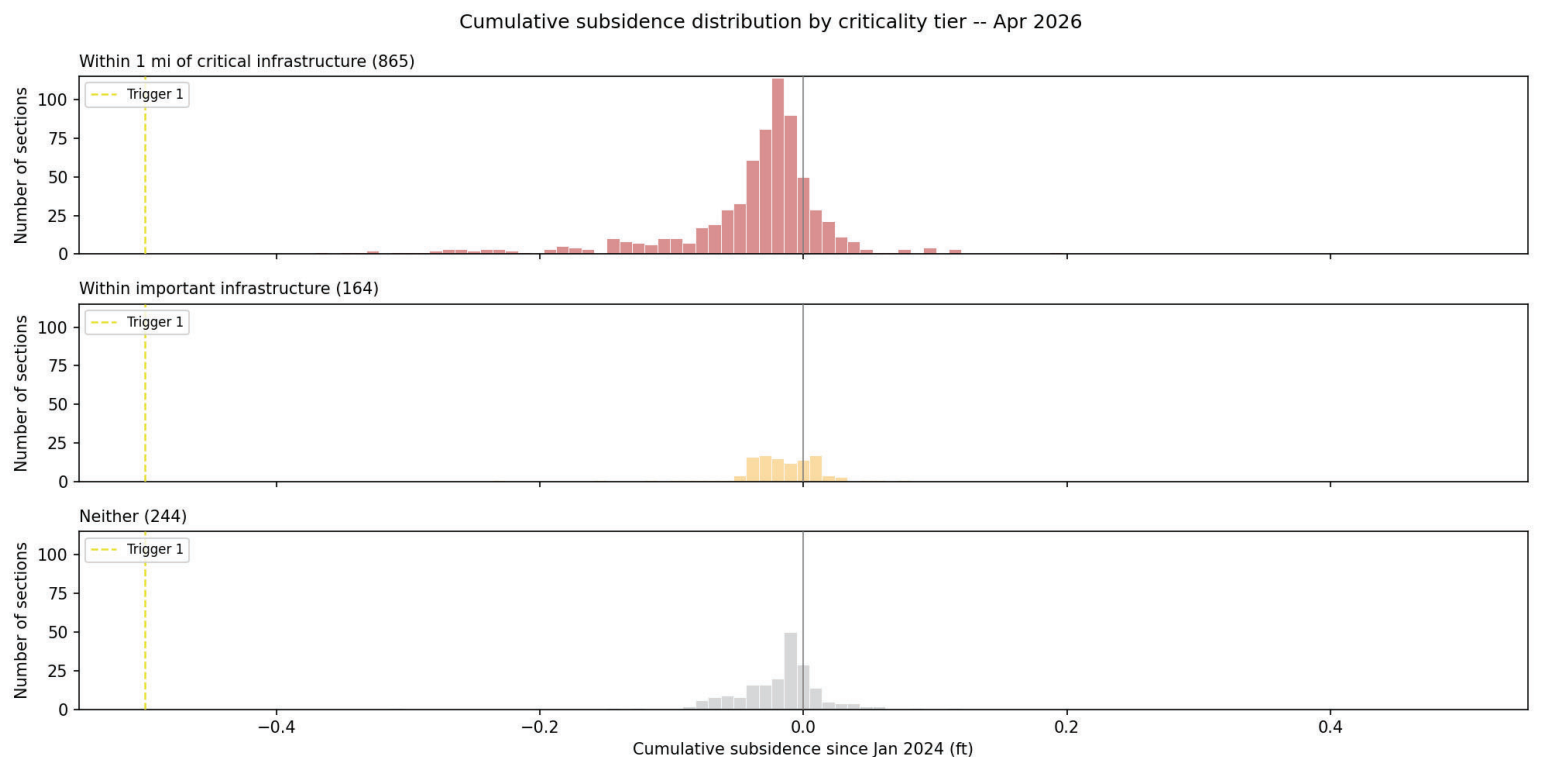
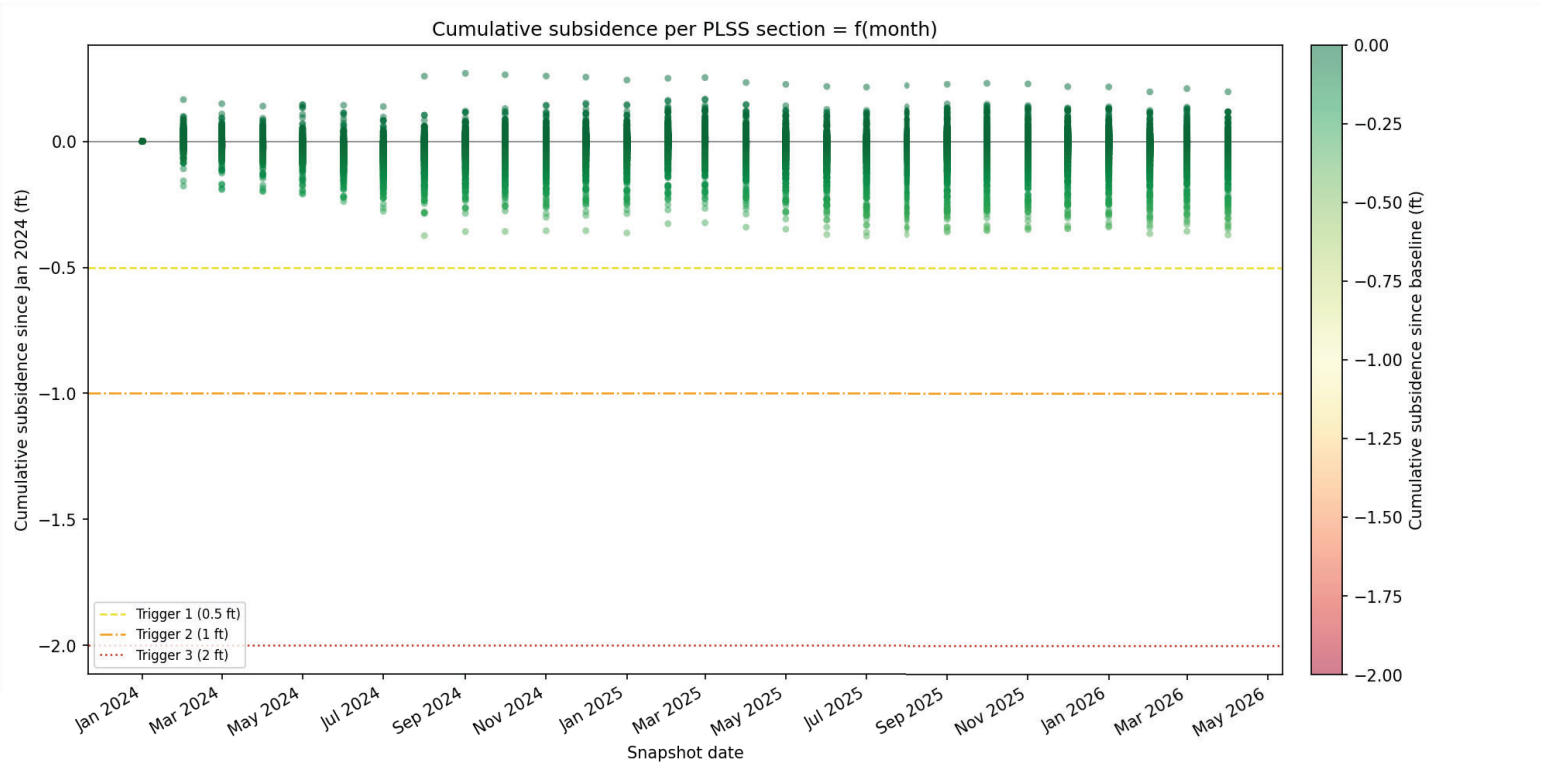
Colusa Subbasin Joint Board GSP Updates

Slide 36

DRAFT Subject to Revision



July 17, 2026

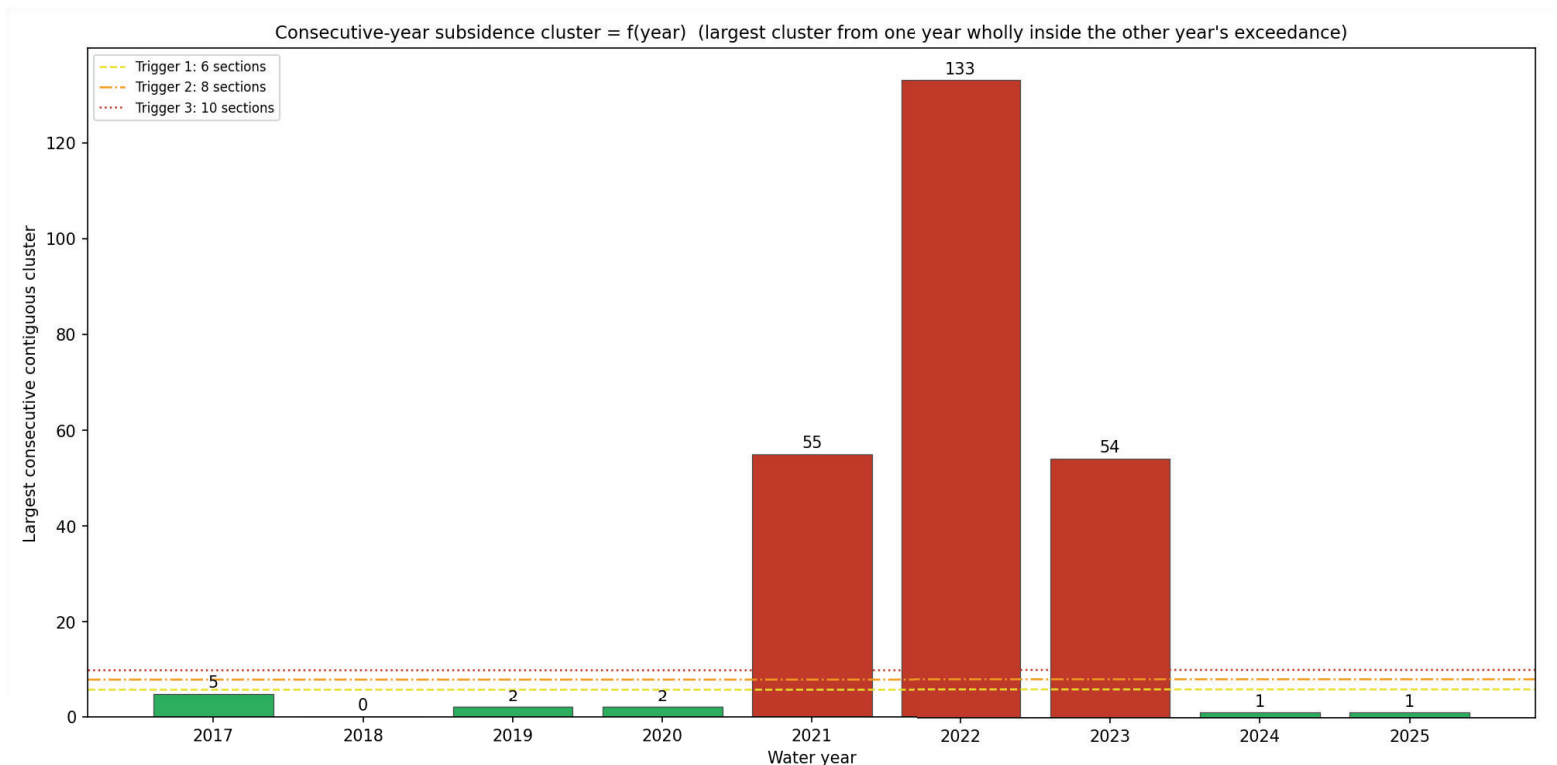
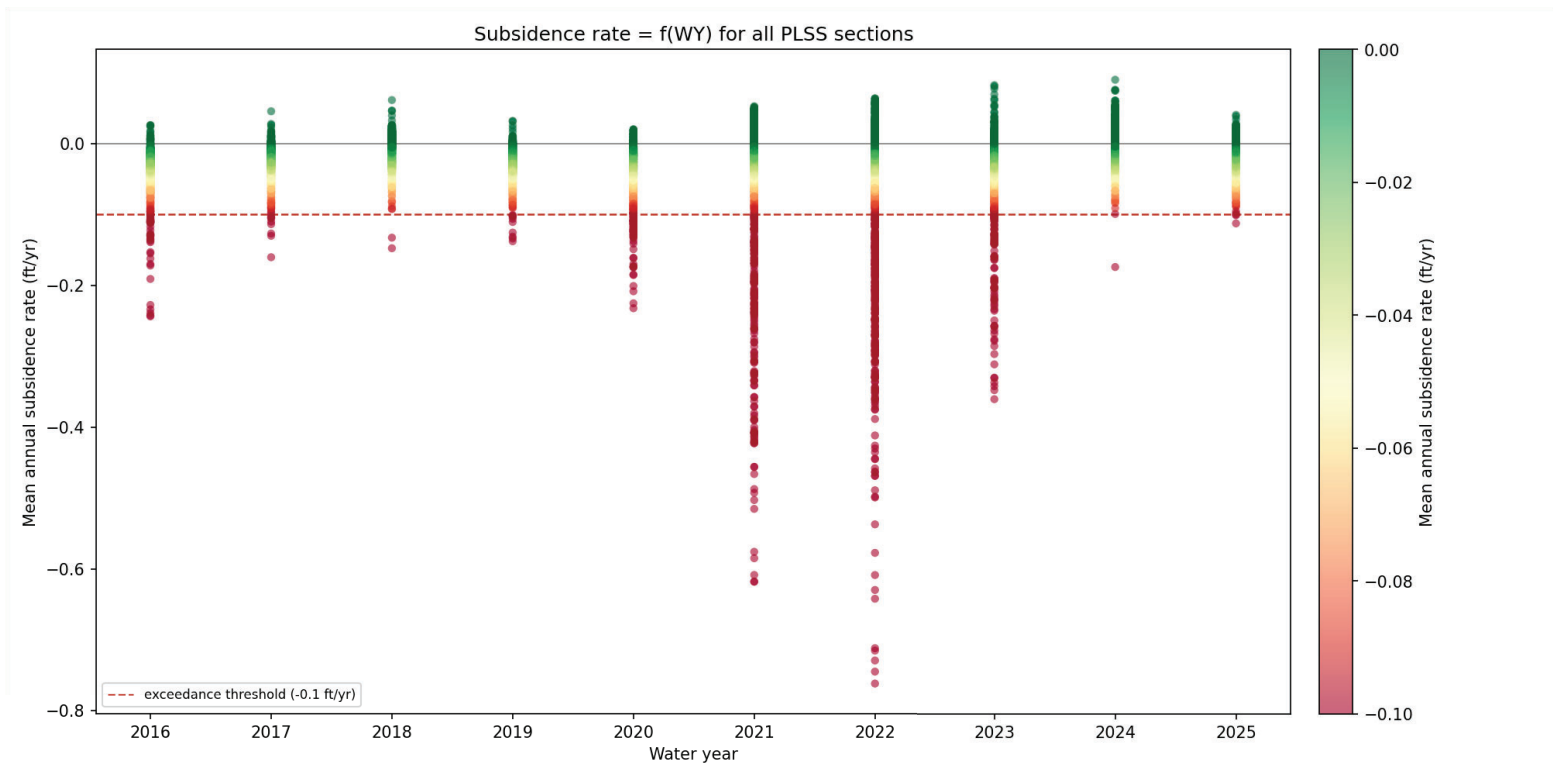


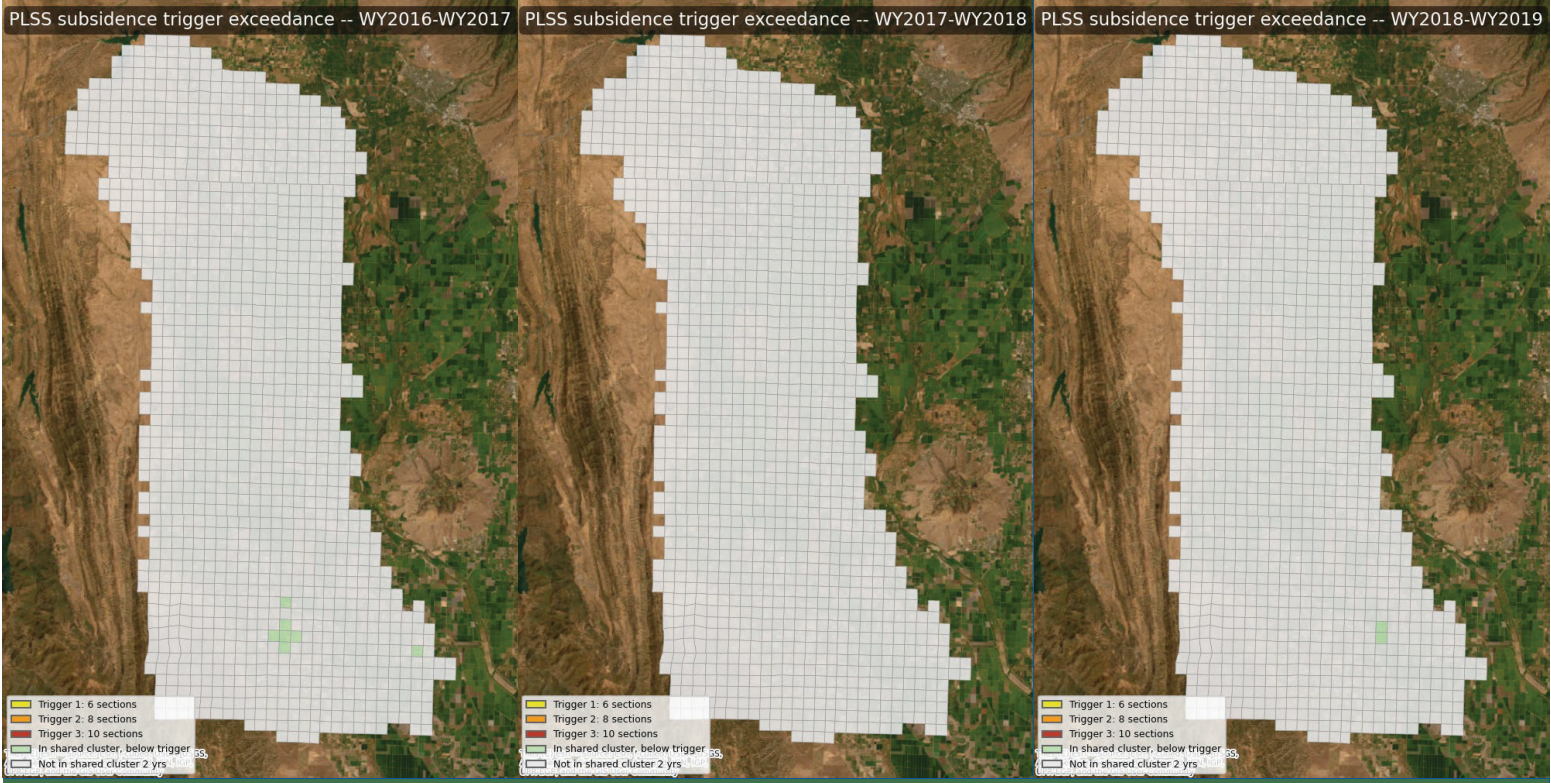
Item 4a - Groundwater Demand Management (GDM) Program Development

Current Conditions Relative to Draft GDM Program Triggers - Annual Subsidence

Current Conditions Relative to GDM Draft Triggers - Annual Subsidence

- No Draft Trigger 1, 2, or 3 conditions present currently (WY 2025)
- Currently (WY 2025) only 1 PLSS section has subsidence greater than 0.1 FT / YR for the last two years
- Trigger 3 conditions were present in WY 2021, WY 2022, and WY 2023, with clusters of greater than 10 contiguous PLSS sections experiencing over 0.10 FT / YR of subsidence





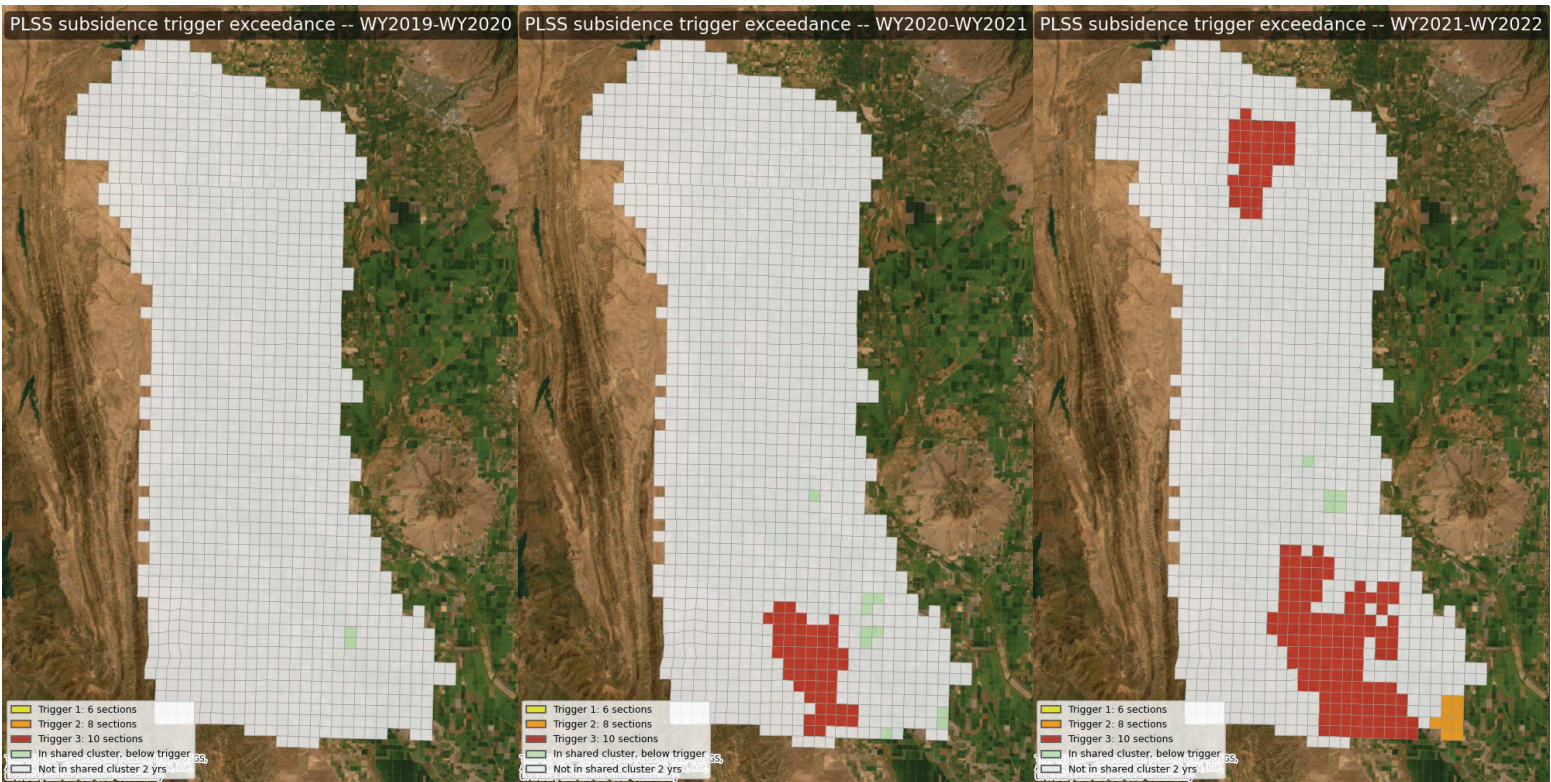
Colusa Subbasin Joint Board GSP Updates

Slide 43

DRAFT Subject to Revision



July 17, 2026



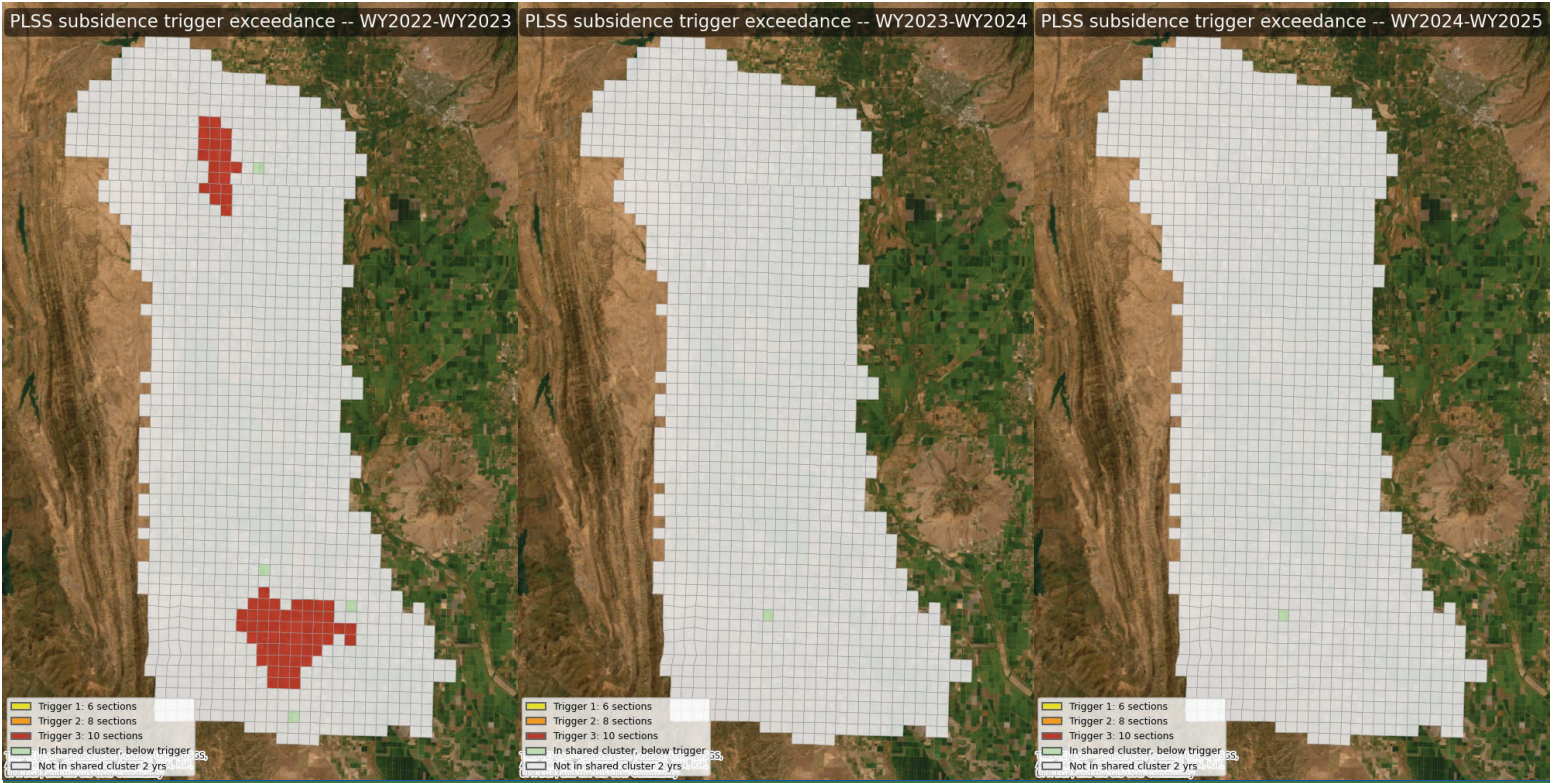
Colusa Subbasin Joint Board GSP Updates

Slide 44

DRAFT Subject to Revision



July 17, 2026



Colusa Subbasin Joint Board GSP Updates

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July 17, 2026

Item 4b - Groundwater Demand Management (GDM) Program Development

Water Accounting System Statements and Associated Outreach Materials

Colusa Subbasin Joint Board GSP Updates

Slide 46

DRAFT Subject to Revision



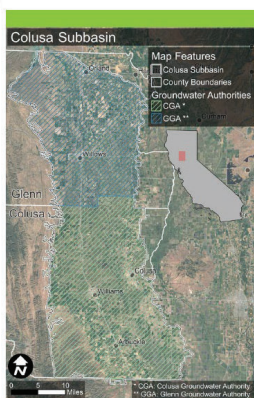
July 17, 2026

WATER ACCOUNTING SYSTEM OVERVIEW

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) are the two local Groundwater Sustainability Agencies (GSAs) responsible for jointly managing the Colusa Subbasin under California's Sustainable Groundwater Management Act (SGMA). Together, the CGA and GGA are implementing the [Colusa Subbasin Groundwater Sustainability Plan \(GSP\)](#), which provides the long-term framework for achieving and maintaining groundwater sustainability in the subbasin.

As part of that effort, the CGA and GGA are developing a Groundwater Demand Management (GDM) Program for the Colusa Subbasin. The goal of the GDM Program is to address overdraft (estimated as approximately 60,000 acre-feet per year), groundwater level declines, and subsidence and related undesirable results. This commitment was included in the revised GSP with a program to be developed by the end of 2026. Since the GSP revisions were completed, the CGA and GGA have been working to develop the program and evaluate key considerations for its implementation.

A key part of the GDM Program is development of a subbasin-wide [Water Accounting System \(WAS\)](#), which helps the GSAs understand water accounting across the Colusa Subbasin and inform groundwater management decisions by providing consistent and transparent information. A WAS will provide landowners and water users a clearer picture of their own water accounts for their land. Water accounting statements estimating [Net Groundwater Impacts \(NGWI\)](#) for each water year (October through September) will be provided to landowners.



*Learn more about the Colusa Subbasin GSP at colusagroundwater.org/projects/groundwater-sustainability-plan.

WATER ACCOUNTING AND NET GROUNDWATER IMPACT (NGWI)

Water accounting is the process of measuring how water moves across your land(s): what water comes in and what goes out, with the difference being your net groundwater impact (NGWI). Think of it as a financial balance sheet, but for water. Water accounting provides a consistent, transparent way to understand water management on your land(s) and supports sustainable groundwater management decisions for the entire subbasin.

WHAT IS NET WATER GROUNDWATER IMPACT (NGWI)?

NGWI is the estimated net effect that land and water management practices have on the groundwater system.



COLUSA SUBBASIN

UNDERSTANDING YOUR WATER ACCOUNTING STATEMENTS

Net Groundwater Impact (NGWI) is the estimated net effect that land and water management practices have on the groundwater system. Colusa water accounting statements summarize available data for the land(s) associated with your accounts (currently based on contact address on file with the County Assessor's Offices) and provides an estimate of your NGWI for the stated water year. NGWI is defined as:

$$\text{NGWI} = \text{WATER INFLOWS} - \text{WATER OUTFLOWS} = \text{PR} + \text{ASW} - (\text{ET} + \text{ROPR} + \text{ROASW})$$

POSITIVE NGWI

Your land is a net contributor to the groundwater system. Your parcel(s) received more water (through precipitation and applied surface water) than was consumed by crops or moved off your land(s) as runoff. The excess represents water available to recharge the groundwater system.

NEGATIVE NGWI

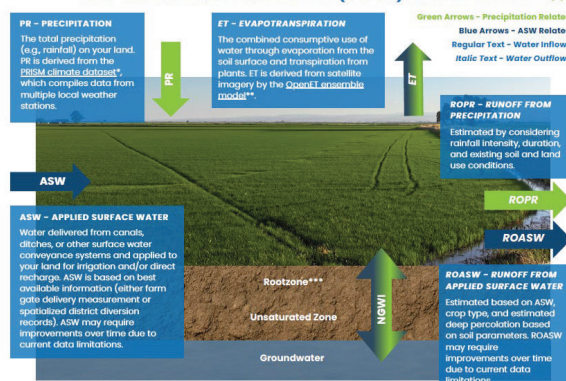
Your land is a net extractor from the aquifer. Your parcel(s) received less water (through precipitation and applied surface water) than was consumed by crops or moved off your land(s) as runoff. The deficit implies a net extraction of groundwater.

NEAR-ZERO NGWI

Water inflows and outflows were balanced.

Your feedback is important. Because water accounting statements rely on the best available data, some information may be incomplete or need refinement. This is especially true for applied surface water delivery data, parcel/account relationships (currently based on contact address on file with the County Assessor's Offices), or other local information. If you believe information in your statement is missing or incorrect, please contact us at ThomasKiefer@rps.ca.gov (CGA) and Hunter@countyofglenn.net (GGA) so the data can be reviewed and improved.

NET GROUNDWATER IMPACT (NGWI) COMPONENTS



*Learn more about the PRISM climate dataset at prism.oregonstate.edu.

**Learn more about the OpenET ensemble model at stdata.org/what-is-et.

***Annual changes in water storage in or above the rootzone are assumed to be zero.

Water Accounting Outreach Materials

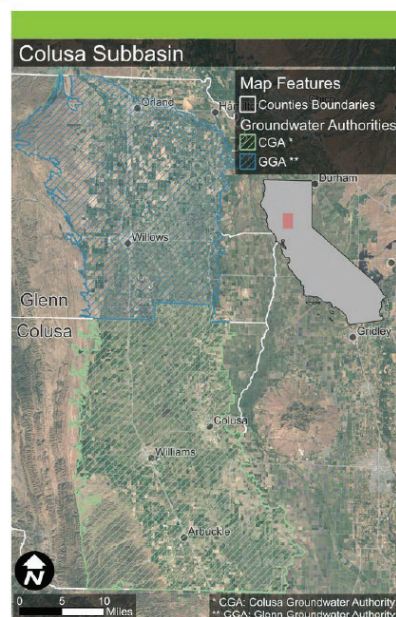
- SGMA, CGA, GGA, and GSP Overview
- GDM Program overview
- GDM Program goals
- Water Accounting System (WAS) overview
- Net Groundwater Impacts (NGWI)
- Water accounting statements

WATER ACCOUNTING SYSTEM OVERVIEW

The Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) are the two local Groundwater Sustainability Agencies (GSAs) responsible for jointly managing the Colusa Subbasin under California's Sustainable Groundwater Management Act (SGMA). Together, the CGA and GGA are implementing the [Colusa Subbasin Groundwater Sustainability Plan \(GSP\)](#), which provides the long-term framework for achieving and maintaining groundwater sustainability in the subbasin.

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*Learn more about the Colusa Subbasin GSP at colusagroundwater.org/projects/groundwater-sustainability-plan.

Water Accounting Outreach Materials

- Additional details on water accounting
- Net Groundwater Impacts (NGWI) definition

>>> WATER ACCOUNTING AND NET GROUNDWATER IMPACT (NGWI)

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>>> WHAT IS NET WATER GROUNDWATER IMPACT (NGWI)?

NGWI is the estimated net effect that land and water management practices have on the groundwater system.

Water Accounting Outreach Materials

- Water accounting statement summary
- Net Groundwater Impact (NGWI) equation
- Interpreting NGWI results
- Highlighting the importance of landowner feedback

>>> UNDERSTANDING YOUR WATER ACCOUNTING STATEMENTS

Net Groundwater Impact (NGWI) is the estimated net effect that land and water management practices have on the groundwater system. Colusa water accounting statements summarize available data for the land(s) associated with your accounts (currently based on contact address on file with the County Assessor's Offices) and provides an estimate of your NGWI for the stated water year. NGWI is defined as:

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>>> POSITIVE NGWI

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>>> NEGATIVE NGWI

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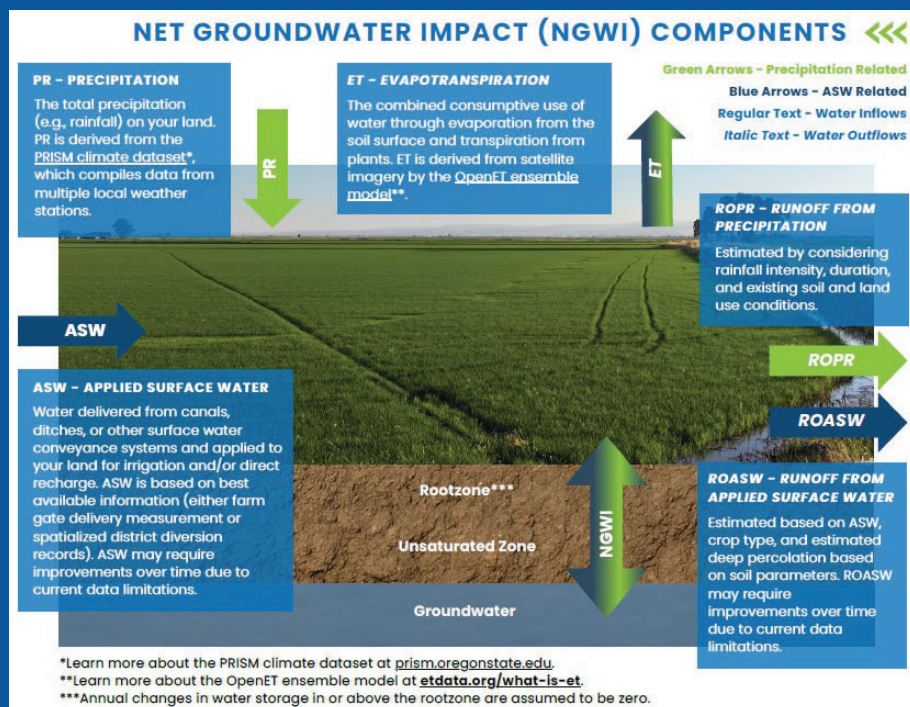
>>> NEAR-ZERO NGWI

Water inflows and outflows were balanced.

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Water Accounting Outreach Materials

- Net Groundwater Impact (NGWI) diagram
- Additional details on each term in the NGWI equation



Item 4 - Groundwater Demand Management (GDM) Program Recommendations

GDM Program Development - Draft GDM Ad Hoc Recommendations

- Recommendation 16: Colusa GDM Program development should continue with public outreach using the Ad Hoc Committee Draft GDM Proposed Triggers and Actions developed at the 07/09/2026 GDM Ad Hoc meeting and further presented to the Joint Board on 07/17/2026.
- Recommendation 17: GDM Program public education and engagement should continue using the Draft Colusa Water Accounting Statements and Net Groundwater Impact Overview presented at the 07/09/2026 GDM Ad Hoc meeting and further presented to the Joint Board on 07/17/2026.
- Recommendation 18: Additional GDM Program outreach materials, including flyers, presentations, and videos should be developed and used to support public engagement and education.

Item 7 - Review Meeting Schedule and Next Steps

Review Meeting Schedule and Next Steps

- Joint Board Meetings
 - Alternating Willows and Colusa
 - Date:
 - Willows: 3rd Friday of the month (starting July 17)
 - Colusa: 2nd Friday of the month typically (starting August 14)
 - Time: 13:30 to 15:30
- GDM Ad Hoc Meetings
 - Held monthly
 - Scheduled through end of 2026

Questions and Discussion

Staff Report

To: CGA-GGA Joint Board

Agenda Item: 4. Groundwater Demand Management Program Development

- a. Receive update from staff, consultant team, and ad hoc committee members on Groundwater Demand Management Program triggers and actions.
- b. Receive updates from staff, consultant team, and ad hoc committee members on Water Accounting System Statements and associated outreach materials.

Date: July 17, 2026

Background

The CGA and GGA Groundwater Demand Management Ad Hoc Committees have been meeting jointly, generally with consultant support, to discuss and prepare recommendations to the GSAs on the development of a Groundwater Demand Management Program.

The ad hoc committees met July 9, 2026. During this meeting, the ad hoc committees focused on developing Committee Proposal Draft Triggers and Actions, reviewed draft Water Accounting System Statements and related outreach materials, and prepared three recommendations (see below).

- Recommendation 16: Colusa GDM Program development should continue with public outreach using the Ad Hoc Committee Draft GDM Proposed Triggers and Actions developed at the 07/09/2026 GDM Ad Hoc meeting and further presented to the Joint Board on 07/17/2026.
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- Recommendation 18: Additional GDM Program outreach materials, including flyers, presentations, and videos should be developed and used to support public engagement and education.

Staff, the consultant team, and ad hoc committee members will provide an update.

Ad Hoc Committee Members

CGA: Lewis Bair, Halbert Charter, Jeff Moresco, Jim Wallace

GGA: John Amaro (or Jeff Sutton), Mark Lohse (or Seth Fiack), Chuck Schonauer (or Justin Dahl)

Recommendation

1. Receive update from staff, consultant team, and ad hoc committee members.
2. Provide direction to staff, consulting team, legal counsel, and or committees as needed.

Attachments

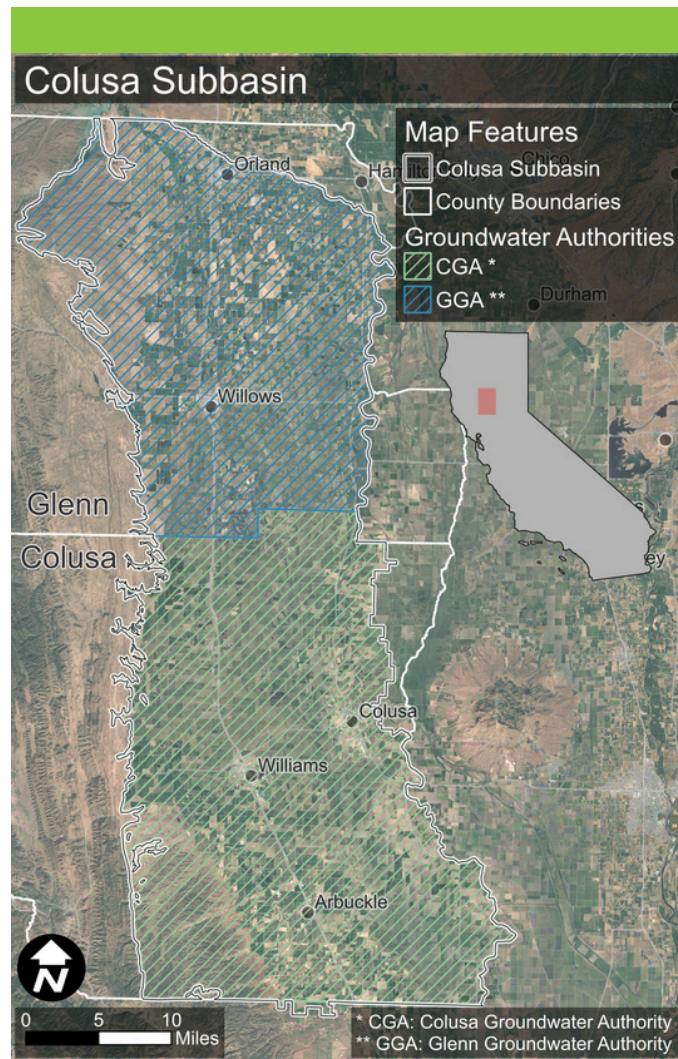
- Draft Presentation (see Item 3 attachment)
- Water Accounting System flyer (draft)
- Sample Water Accounting System Statements (draft)

WATER ACCOUNTING SYSTEM OVERVIEW

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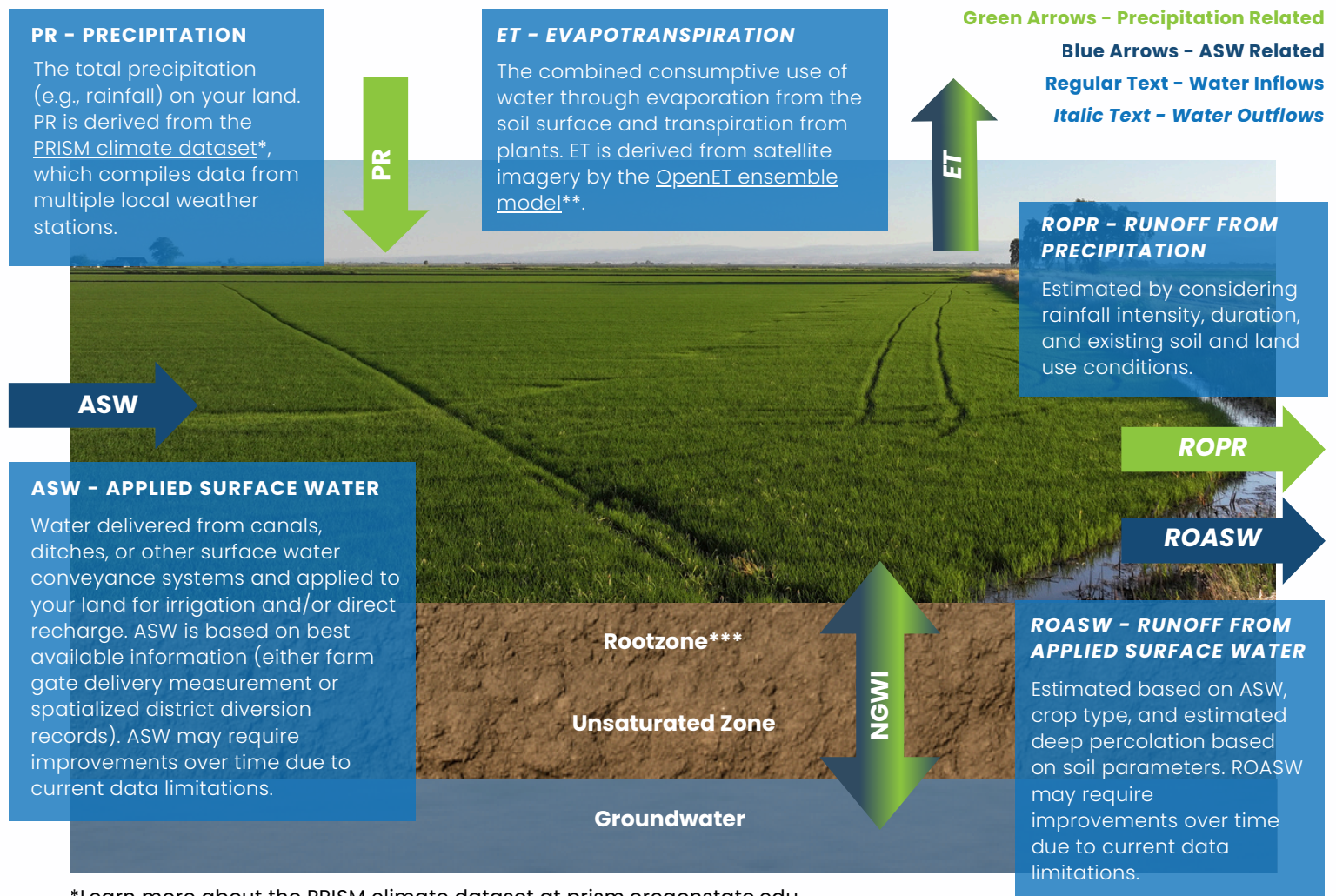
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NET GROUNDWATER IMPACT (NGWI) COMPONENTS <<<



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***Annual changes in water storage in or above the rootzone are assumed to be zero.

WY 2025 Colusa Subbasin Water Accounting Statement

Account Summary

Note: If any information below is incorrect, please contact {TBD}

Description	Value
Account ID:	
GSAs:	CGA, GGA
Mailing Address:	
Water Year:	WY 2025
Reporting Period:	10/01/2024 through 09/30/2025
Report Generated On:	07/16/2026
NGWI (AF)	330.8
Number of Parcels:	4
Total Assessed Area (AC):	508.55
Total Geometric Area (AC):	500.33
Total Field Area (AC):	470.59
Farmed Area (AC):	450.72
Percent Farmed:	90.1%

This statement is for information and review purposes only.

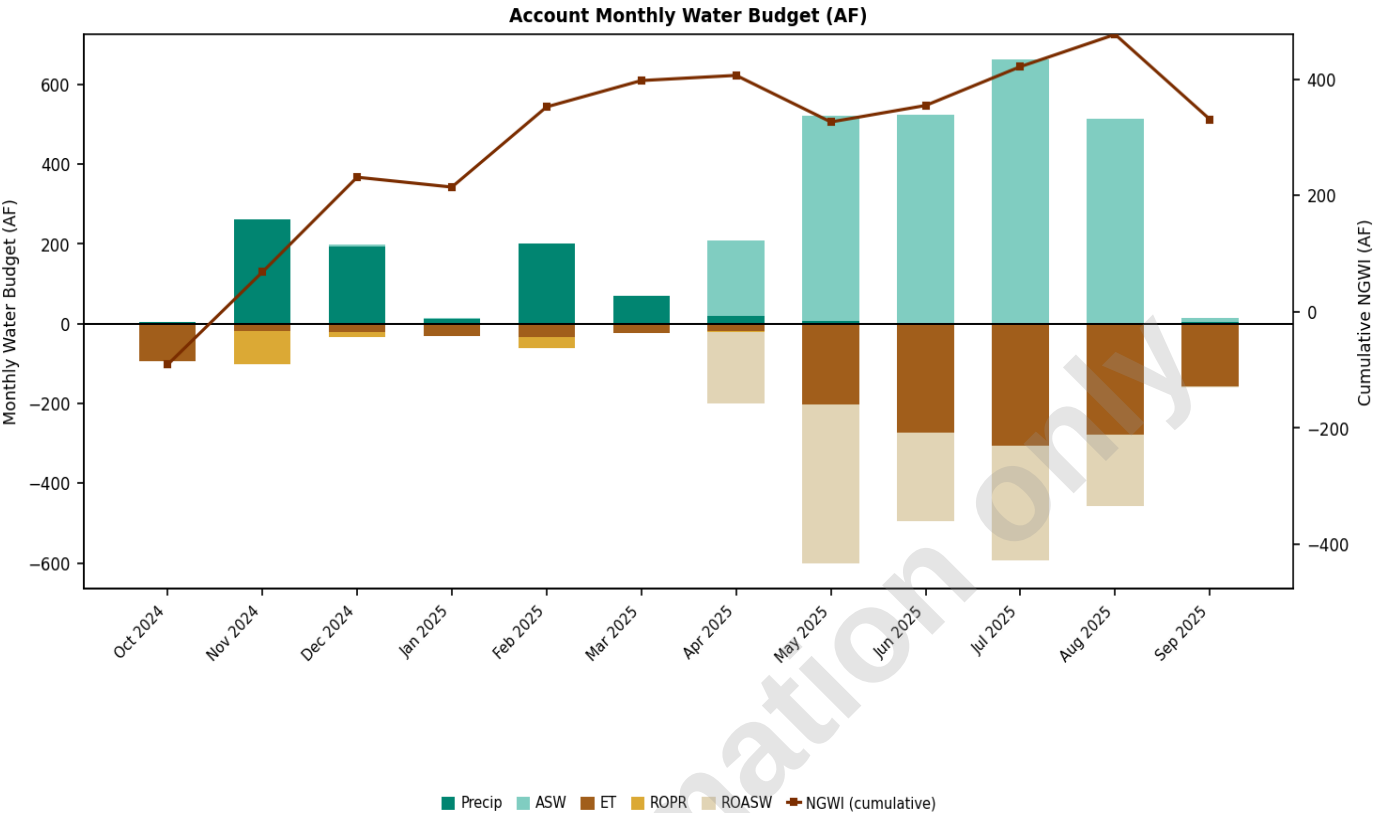
This statement does not establish any allocation, credit, penalty, fee, or regulatory requirement. It does not require you to take any immediate action. The CGA and GGA are sharing these statements now to increase transparency, and allow landowners to review the information as the GDM Program is being developed.

However, your feedback is important. Because the Water Accounting System relies on the best available data, some information may be incomplete or need refinement, particularly applied surface water delivery data, parcel/account relationships (currently based on contact information on file with the County Assessor's Offices), or other local information. If you believe information in your statement is missing or incorrect, please contact us using the information provided on the cover of your statement so the data can be reviewed and improved over time.

Abbreviations

AF: Acre-Feet | ASW: Applied Surface Water | CGA: Colusa Groundwater Authority | GGA: Glenn Groundwater Authority | GSA: Groundwater Sustainability Agency | ET: Evapotranspiration | FT: Feet | NGWI: Net Groundwater Impact | Precip: Precipitation | ROASW: Runoff from Applied Surface Water | ROPR: Runoff from Precipitation | WY: Water Year

WY 2025 Colusa Subbasin
Water Accounting Statement



WY 2025 Colusa Subbasin

Water Accounting Statement

Region-Level Water Accounting Summary

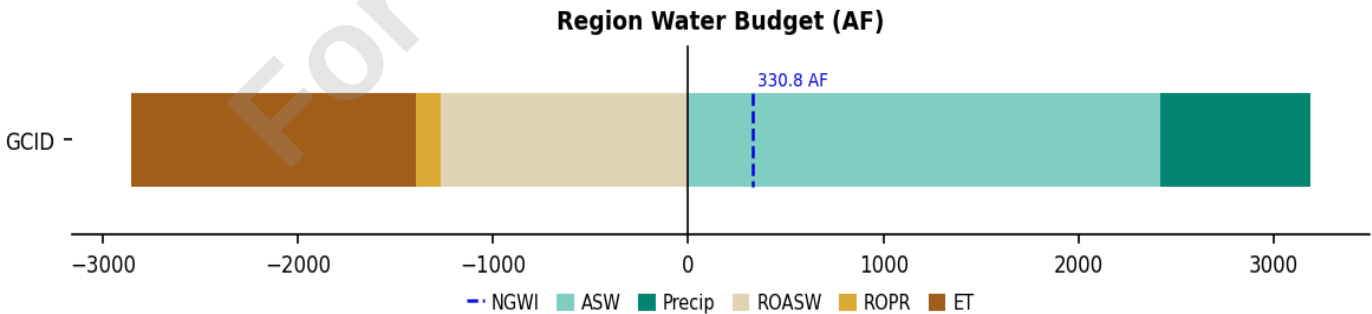
Note: Values below are per-district aggregations across all parcels in this account. Total values in AF.
Applied surface water sourced from RemoteTracker raster model.
 $NGWI = P + ASW - (ET + ROPR + ROASW)$ (Net Groundwater Impact; a positive number means you are having a net positive impact on the groundwater system (i.e., a net contributor); a negative number means you are having a net negative impact on the groundwater system (i.e., a net extractor). NGWI is assessed over the entire parcel, including non-irrigated areas; parcels with substantial riparian vegetation or open water may show a lower NGWI driven by natural evapotranspiration rather than groundwater use.
Values are rounded for display; totals are computed on unrounded values, so columns may not sum exactly to the totals shown.

Region	Assessed Area (AC)	Farmed Area (AC)	Precip (AF)	ASW (AF)	ET (AF)	ROPR (AF)	ROASW (AF)	NGWI (AF)
GCID	508.55	450.72	766.0	2420.5	1463.0	124.3	1268.4	330.8
Total	508.55	450.72	766.0	2420.5	1463.0	124.3	1268.4	330.8

Region-Level Land Use / Land Cover (AC)

Note: The 5 largest crop types by total acreage are shown individually; all remaining crops (including idle, native, riparian, urban, and other non-irrigated classes) are grouped into Other. Total Field AC reflects all DWR-mapped field pixels within the region. All values are reported in acres.

Region	Rice	Other	Total Field AC
GCID	450.72	19.87	470.59
Total	450.72	19.87	470.59



WY 2025 Colusa Subbasin Water Accounting Statement

Region-Level Water Accounting Summary (FT, per Assessed Area)

Region	Assessed Area (AC)	Precip (FT)	ASW (FT)	ET (FT)	ROPR (FT)	ROASW (FT)	NGWI (FT)
GCID	508.55	1.53	4.84	2.92	0.25	2.54	0.66
Total	508.55	1.53	4.84	2.92	0.25	2.54	0.66

Region-Level Water Accounting Summary (FT, per Farmed Area)

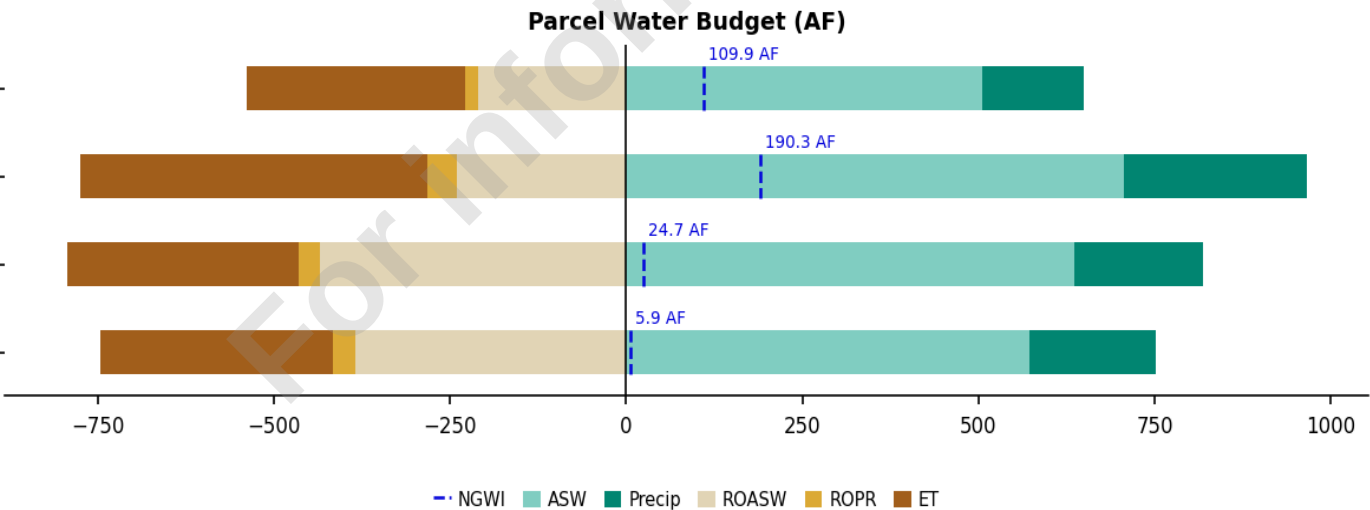
Region	Farmed Area (AC)	Precip (FT)	ASW (FT)	ET (FT)	ROPR (FT)	ROASW (FT)	NGWI (FT)
GCID	450.72	1.53	5.2	2.98	0.24	2.84	0.66
Total	450.72	1.53	5.2	2.98	0.24	2.84	0.66

WY 2025 Colusa Subbasin Water Accounting Statement

Parcel-Level Water Accounting Summary

Note: Values below are per-parcel aggregations across all districts. Total values in AF.
 Applied surface water sourced from RemoteTracker raster model.
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 Values are rounded for display; totals are computed on unrounded values, so columns may not sum exactly to the totals shown.

APN	Assessed Area (AC)	Farmed Area (AC)	Precip (AF)	ASW (AF)	ET (AF)	ROPR (AF)	ROASW (AF)	NGWI (AF)
	109.04	99.51	144.4	504.8	309.9	19.6	209.9	109.9
	160.0	147.46	258.9	706.6	493.5	41.9	239.8	190.3
	119.29	99.95	183.3	635.8	329.0	31.4	434.1	24.7
	120.22	103.8	179.4	573.2	330.6	31.5	384.5	5.9
Total	508.55	450.72	766.0	2420.5	1463.0	124.3	1268.4	330.8



WY 2025 Colusa Subbasin Water Accounting Statement

Account Summary

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Description	Value
Account ID:	
GSAs:	GGA
Mailing Address:	
Water Year:	WY 2025
Reporting Period:	10/01/2024 through 09/30/2025
Report Generated On:	07/16/2026
NGWI (AF)	-689.1
Number of Parcels:	5
Total Assessed Area (AC):	930.14
Total Geometric Area (AC):	931.31
Total Field Area (AC):	822.46
Farmed Area (AC):	729.92
Percent Farmed:	78.4%

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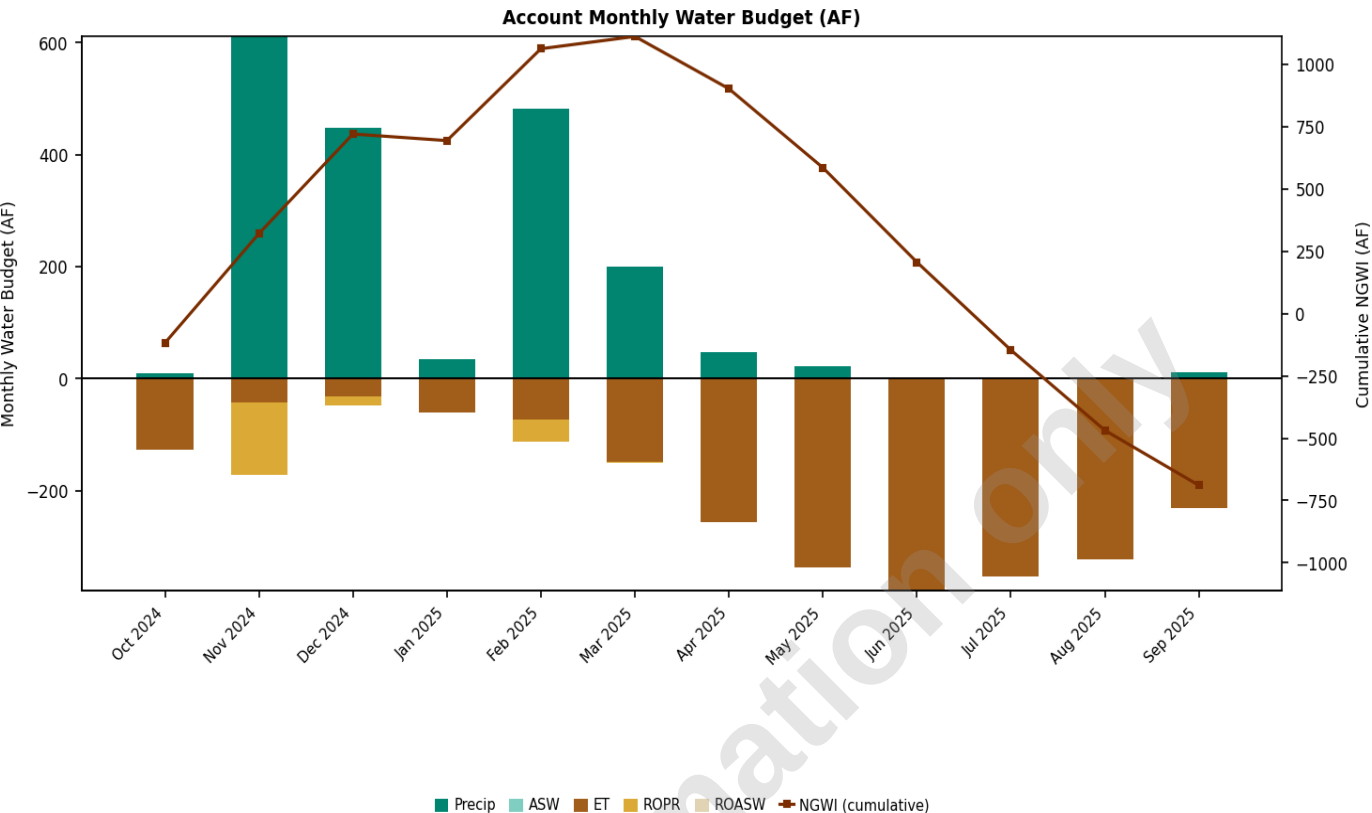
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WY 2025 Colusa Subbasin Water Accounting Statement



WY 2025 Colusa Subbasin Water Accounting Statement

Region-Level Water Accounting Summary

Note: Values below are per-district aggregations across all parcels in this account. Total values in AF.
Applied surface water sourced from a combination of field-scale and water supplier boundary-scale observations.
 $NGWI = P + ASW - (ET + ROPR + ROASW)$ (Net Groundwater Impact; a positive number means you are having a net positive impact on the groundwater system (i.e., a net contributor); a negative number means you are having a net negative impact on the groundwater system (i.e., a net extractor). NGWI is assessed over the entire parcel, including non-irrigated areas; parcels with substantial riparian vegetation or open water may show a lower NGWI driven by natural evapotranspiration rather than groundwater use.
Values are rounded for display; totals are computed on unrounded values, so columns may not sum exactly to the totals shown.

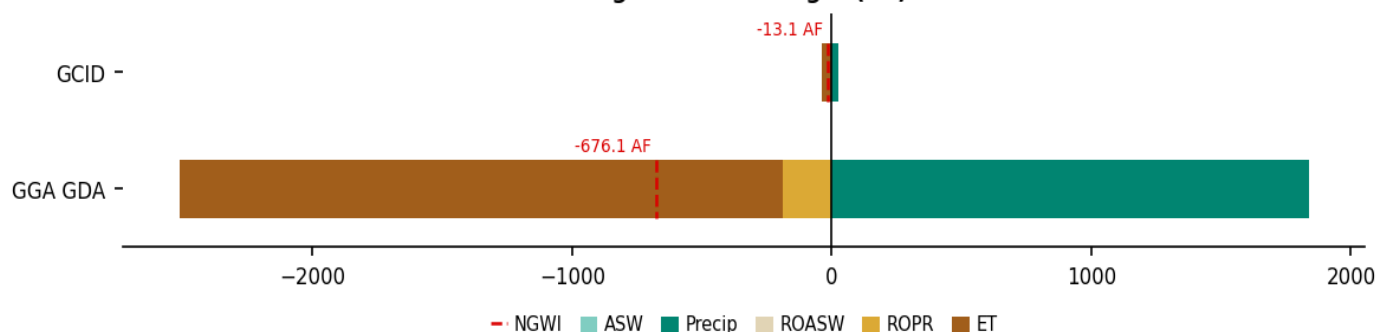
Region	Assessed Area (AC)	Farmed Area (AC)	Precip (AF)	ASW (AF)	ET (AF)	ROPR (AF)	ROASW (AF)	NGWI (AF)
GCID	13.42	5.07	27.0	0.0	37.2	3.0	0.0	-13.1
GGA GDA	916.72	724.86	1836.9	0.0	2326.9	186.1	0.0	-676.1
Total	930.14	729.92	1863.9	0.0	2364.0	189.0	0.0	-689.1

Region-Level Land Use / Land Cover (AC)

Note: The 5 largest crop types by total acreage are shown individually; all remaining crops (including idle, native, riparian, urban, and other non-irrigated classes) are grouped into Other. Total Field AC reflects all DWR-mapped field pixels within the region. All values are reported in acres.

Region	Almonds	Alfalfa	Walnuts	Grain And Hay	Misc Field Crops	Other	Total Field AC
GCID	2.52	0.0	2.54	0.0	0.0	1.04	6.11
GGA GDA	199.52	200.96	156.88	100.71	66.79	91.5	816.35
Total	202.04	200.96	159.42	100.71	66.79	92.54	822.46

Region Water Budget (AF)



WY 2025 Colusa Subbasin Water Accounting Statement

Region-Level Water Accounting Summary (FT, per Assessed Area)

Region	Assessed Area (AC)	Precip (FT)	ASW (FT)	ET (FT)	ROPR (FT)	ROASW (FT)	NGWI (FT)
GCID	13.42	1.99	0.0	2.73	0.22	0.0	-0.96
GGA GDA	916.72	2.0	0.0	2.54	0.2	0.0	-0.74
Total	930.14	2.0	0.0	2.54	0.2	0.0	-0.74

Region-Level Water Accounting Summary (FT, per Farmed Area)

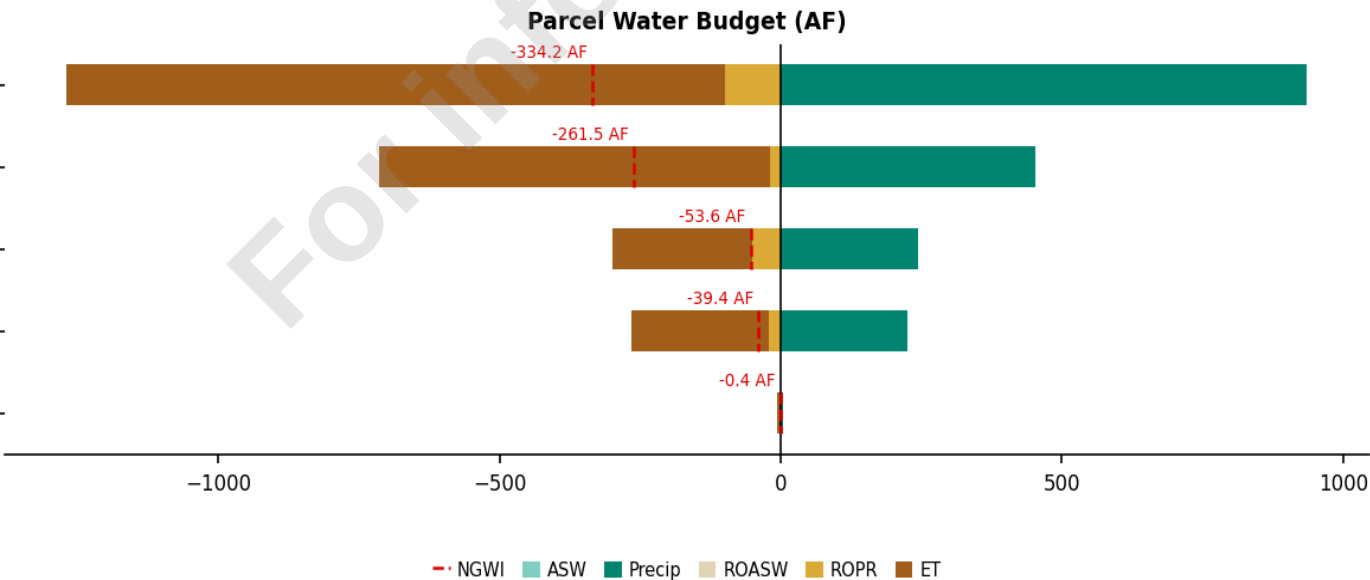
Region	Farmed Area (AC)	Precip (FT)	ASW (FT)	ET (FT)	ROPR (FT)	ROASW (FT)	NGWI (FT)
GCID	5.07	1.99	0.0	3.04	0.1	0.0	-1.15
GGA GDA	724.86	2.0	0.0	2.61	0.17	0.0	-0.78
Total	729.92	2.0	0.0	2.62	0.17	0.0	-0.78

WY 2025 Colusa Subbasin Water Accounting Statement

Parcel-Level Water Accounting Summary

Note: Values below are per-parcel aggregations across all districts. Total values in AF.
Applied surface water sourced from a combination of field-scale and water supplier boundary-scale observations.
 $NGWI = P + ASW - (ET + ROPR + ROASW)$ (Net Groundwater Impact; a positive number means you are having a net positive impact on the groundwater system (i.e., a net contributor); a negative number means you are having a net negative impact on the groundwater system (i.e., a net extractor). NGWI is assessed over the entire parcel, including non-irrigated areas; parcels with substantial riparian vegetation or open water may show a lower NGWI driven by natural evapotranspiration rather than groundwater use.
Values are rounded for display; totals are computed on unrounded values, so columns may not sum exactly to the totals shown.

APN	Assessed Area (AC)	Farmed Area (AC)	Precip (AF)	ASW (AF)	ET (AF)	ROPR (AF)	ROASW (AF)	NGWI (AF)
	470.0	390.55	935.4	0.0	1171.5	98.2	0.0	-334.2
	223.0	203.02	452.2	0.0	694.6	19.1	0.0	-261.5
	121.0	45.36	245.1	0.0	248.6	50.0	0.0	-53.6
	113.31	91.0	226.2	0.0	244.5	21.2	0.0	-39.4
	2.83	0.0	5.1	0.0	4.9	0.6	0.0	-0.4
Total	930.14	729.92	1863.9	0.0	2364.0	189.0	0.0	-689.1



Staff Report

To: CGA-GGA Joint Board

- Agenda Item:** 5. Grant Writing Support Services
- a. *Approve Davids Engineering, Inc. Proposal for Engineering Services Colusa Subbasin GSP Grant Support Services and determine lead GSA. (CGA/GGA)
 - b. *Authorize Chairman to execute agreement with Davids Engineering, Inc. for Colusa Subbasin GSP Grant Support Services in an amount not to exceed \$95,400. (Lead GSA)
 - c. *Agree to share the cost of Davids Engineering, Inc. Agreement on a 50/50 basis with lead GSA for Colusa Subbasin GSP Grant Support Services in an amount not to exceed \$47,700 per GSA. (Partner GSA)

Date: July 17, 2026

Background

The Glenn Groundwater Authority (GGA) and Colusa Groundwater Authority (CGA) have recently discussed the importance of being prepared to capture grant opportunities, particularly the upcoming Proposition 4 funding. Staff reached out to Davids Engineering, Inc. and requested a proposal that would prepare the GSAs for upcoming funding opportunities, and support the preparation of grant application(s). The proposal includes the following three tasks for an amount not to exceed \$95,400:

1. Lead Project Prioritization Workshops and Request Project Information
2. Prepare SGM Program Grant Application
3. Provide On-Call Support for Other Grant Applications

If the GSAs support this approach, it will be necessary to determine which GSA will hold the contract with Davids Engineering, Inc., assuming the partner GSA will share the cost.

Recommendation

1. Hold discussion and provide direction as needed.
2. Determine the lead GSA.
3. Approve agreement with Davids Engineering and agree to share the cost on a 50/50 basis.

Attachments

- Davids Engineering, Inc. Proposal for Engineering Services Colusa Subbasin GSP Grant Support Services

Proposal for Professional Engineering Services

To: Colusa Groundwater Authority and Glenn Groundwater Authority

From: Davids Engineering, Inc.
www.davidsengineering.com

Date: July 14, 2026

Subject: Colusa Subbasin GSP Grant Support Services

Davids Engineering, Inc. (DE or CONSULTANT) is pleased to provide this proposal to the Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) Groundwater Sustainability Agencies (GSAs) for grant support services related to implementation of the Colusa Subbasin Groundwater Sustainability Plan (GSP). It is anticipated that one GSA will elect to contract with DE and will serve as the CLIENT, although all proposed work would be conducted on behalf of both GSAs and all associated costs would be split evenly by arrangement between the GSAs.

1 Project Overview and Objective

Since their formation under the Sustainable Groundwater Management Act (SGMA), the CGA and GGA GSAs have coordinated and led efforts to sustainably manage groundwater resources in the Colusa Subbasin. Among their many efforts, the GSAs jointly developed, adopted, and are now implementing the Colusa Subbasin GSP. Consistent with the GSP, the GSAs and their member agencies are currently moving forward with projects, management actions, studies, and interbasin coordination efforts that will support groundwater sustainability.

To support these efforts, the GSAs are planning to prepare and submit an application to the California Department of Water Resources' (DWR) Sustainable Groundwater Management (SGM) grant program, funded by Proposition 4. DWR has announced that guidelines and a request for concept proposals are expected to be released in late 2026 to early 2027. Grant funding would support development and implementation of high-priority projects, management actions, studies, and/or interbasin coordination efforts (collectively referred to as "projects") identified by the GSAs to advance SGM grant program priorities and achieve groundwater sustainability in the Colusa Subbasin consistent with the GSP.

Additionally, the GSAs are interested in exploring and potentially submitting applications to other grant funding opportunities that may arise through calendar year 2028, as appropriate. Any such applications are also expected to include high-priority projects identified by the GSAs consistent with their Subbasin-wide priorities and with the priorities of the grant opportunity.

2 Project Approach

DE will first support the GSAs with preparation by facilitating discussions and decision-making among the GSA Boards and their member agencies to identify a prioritized list of projects for which they would like to seek funding. Then, leveraging existing project plans, DE will support the GSAs in expanding the

descriptions of select high-priority projects and assembling this content into a complete and thorough concept proposal for the SGM grant program. Notably, DE will not complete any project design work, but will instead request and utilize any project designs or related project materials that are available from the project proponents. Following DWR's review of the concept proposal and invitation to submit a full proposal, DE will then support the GSAs in expanding the project descriptions and preparing a full proposal. These efforts will leverage all applicable information available from the GSP and from past or ongoing studies, and will enhance that information with new evaluations, as needed, to document project benefits to disadvantaged communities (DACs), severely disadvantaged communities (SDACs), vulnerable populations, and other water users as appropriate.

At the GSAs' direction, DE will also support the GSAs in preparing and submitting applications to other grant funding opportunities that are suitable for the high-priority projects identified by the GSAs. DE's support for other grant applications will be initiated only at the request and direction of the GSAs, and will be limited to the budget in this proposal without prior direction from the GSAs and written authorization from CLIENT.

Project prioritizations and descriptions prepared under this proposed scope of services will focus on addressing grant review criteria with the goal of positioning the proposed projects for maximum funding while also laying meaningful groundwork for future planning and implementation efforts.

3 Project Proposal

3.1 Scope of Services

The scope of professional engineering services to be performed by DE is organized into three (3) tasks as described below:

Task 1. Lead Project Prioritization Workshops and Request Project Information

DE will coordinate with GSA staff to conduct two workshops with representatives of the GSA member agencies to review priorities, projects, ranking criteria, ranking results, and project selections for grant applications. Pending information released in the SGM grant program guidelines (draft and final guidelines anticipated in late 2026 to early 2027), the ranking results and project selections may also include draft targets for funding that will be sought for each project.

The workshops will consist of two virtual meetings (up to three hours each) between GSA staff, GSA Technical Advisory Committee (TAC) members or other GSA-selected representatives, and DE staff (up to three DE staff members). Prior to these workshops, GSA staff may elect to release a solicitation of new projects for consideration in grant applications.

The primary objectives of the workshops are to ensure alignment and formalize the GSAs' priorities, confirm the GSAs' preferred project prioritizations, and identify target funding allocations, as applicable, among selected projects. During the workshops, it is anticipated that DE will:

- Review the SGM grant program guidelines and available information.
- Verify the GSAs' Subbasin-wide priorities and objectives for seeking grant funding.

- Provide a preliminary list and summary of all proposed projects from the GSP and any new projects submitted for consideration in grant applications.
- Propose and support the GSA representatives in choosing specific criteria for ranking proposed projects and selecting a subset of high-priority projects for inclusion in grant applications.
- Compile, review, and present the GSA representatives' ranking of proposed projects.
- Compile, review, and present the GSA representatives' draft list of high-priority projects for inclusion in grant applications and establish a final list of projects selected for the SGM grant program.
- Discuss the amount of funding that will be sought for each selected project, as applicable.

Based on the outcome of these workshops, DE will prepare information requests and work with project proponents to obtain additional information about the selected projects, as appropriate, to help develop more detailed project descriptions for inclusion in grant applications (in Tasks 2 and 3, below). DE will not complete any project design work, but will instead request and utilize any project designs or related project materials that are available from the project proponents.

Task 2. Prepare SGM Program Grant Application

Leveraging existing plans developed as part of the GSP and other information gathered from project proponents (in Task 1), DE will support the GSAs in expanding the descriptions of projects selected for the SGM grant program application and will assemble this content into a complete and thorough concept proposal. Following DWR's review of the concept proposal and invitation to submit a full proposal, DE will then support the GSAs in expanding the project descriptions and preparing a full proposal for the SGM grant program. At each stage, DE will provide application documents that are compiled, formatted, and ready for consideration and approval by the GSA Boards, as desired. The application documents will comply with the requirements of the application stage (i.e., concept proposal or full proposal) consistent with DWR's SGM grant program guidelines.

DE will prepare project descriptions for all projects selected for the SGM grant program application. The project descriptions will be formatted and contain information consistent with the SGM grant program guidelines at a level of detail appropriate for each application stage (i.e., concept proposal or full proposal). New evaluations and decisions pertaining to project implementation (i.e., updates to project scope, design, quantifiable recharge benefits, budget, and schedule) are the responsibility of the project proponents. Evaluations conducted under this scope will be limited in focus to specifically address grant review criteria with the goal of positioning the proposed projects for maximum funding while also laying meaningful groundwork for future planning and implementation efforts.

DE will prepare text and exhibits to assist in illustrating the project setting, current conditions, and associated components of projects included in the grant application, including their benefits to DACs, SDACs, vulnerable populations, and other water users as appropriate. As part of Task 2, DE will communicate with project proponents virtually by email, phone, and video calls, as required. It is assumed that each project description will undergo one review cycle with project proponents to confirm that the project descriptions and exhibits describe the projects in sufficient and accurate detail. DE will coordinate with GSA staff and project proponents to assemble the grant application information and any

required materials under their purview (e.g., documentation regarding eligibility for funding, resolutions, letters of support).

Task 3. Provide On-Call Support for Other Grant Applications

At the GSAs' direction, DE will support the GSAs in preparing and submitting applications to other suitable grant funding opportunities using information gathered for the GSAs' high-priority projects (in Task 1). DE's efforts under this task will be initiated only at the request and direction of the GSAs, and will be limited according to the cost proposal in Section 3.5 without prior direction from the GSAs and written authorization from CLIENT.

3.2 Deliverables

The following deliverable(s) will be provided to the GSAs:

1. Draft list of high-priority projects for inclusion in grant applications and final list of projects selected for DWR's SGM grant program (Task 1)
2. Draft and final concept proposal for DWR's SGM grant program (Task 2)
3. Draft and final full proposal for DWR's SGM grant program, pending DWR review and invitation to submit a full proposal (Task 2)
4. Draft and final application(s) for other grant funding opportunities, at the direction of the GSAs (Task 3)

3.3 Assumptions

The following assumptions were made in developing this proposal. To the extent that these assumptions do not hold true, the effort and therefore the cost and schedule required to perform the services could be affected.

1. Deliverables will be provided to CLIENT in electronic format.
2. CLIENT will provide required information requested by DE in a timely manner.
3. CLIENT will provide one set of tracked-change comments on all draft deliverables and there will be only one round of revisions.
4. Project proponents will work cooperatively with DE and respond in a timely manner to DE's information requests.
5. Project proponents are responsible for any new evaluations and decisions pertaining to implementation of the projects (i.e., updates to project scope, design, quantifiable recharge benefits, budget, and schedule).
6. Each project description will undergo one review cycle with project proponents to confirm that the project descriptions and exhibits describe the projects in sufficient and accurate detail.
7. No project design work will be completed as part of this scope of services. If necessary, project design work shall be completed on a time and materials basis through a separate task order or contract.
8. No cultural or environmental surveys will be completed as part of this scope of services.
9. No legal advice, legal guidance, and/or legal opinions will be provided as part of this scope of services.

10. The project proponents agree that professional services set forth in this proposal do not constitute final design and shall not be used for construction of the projects, as applicable.
11. The GSAs and project proponents are responsible for providing grant application materials under their purview (e.g., documentation regarding eligibility for funding, resolutions, letters of support).
12. Any and all work performed under this proposal shall be on a time and materials basis consistent with DE's rate schedule then in effect.
13. Anything outside the scope set forth herein will result in additional fees consistent with DE rates then in effect.
14. DE's work under Task 3 will be limited to a time and materials basis not exceed the cost proposal in Section 3.5 without prior direction from the GSAs and written authorization from CLIENT.
15. This proposal assumes the following with regard to project meetings (with up to three DE staff members in attendance at each):
 - Task 1: Two virtual workshops, up to 3 hours in duration each.
 - Tasks 2-3: 10 virtual meetings for coordination with GSA staff, 1 hour in duration each.

3.4 Schedule

Work will be initiated in July 2026 and Tasks 1-2 will extend through the submittal date for the SGM grant program concept proposal and full proposal (anticipated in early and late 2027, respectively), or as mutually agreed between the GSAs and DE (Table 1). Task 3 will extend through December 31, 2028, or as mutually agreed between the GSAs and DE.

Work will progress to meet milestones on a timeline as defined in the table below. Delays in the notice to proceed from CLIENT will result in corresponding delays or shifts to the subsequent milestones. Schedule implications or deviations from the milestone dates that occur during the work will be made known to CLIENT as soon as practicable.

Table 1. Summary of Project Schedule.

Milestone	Milestone Date
Notice to Proceed	July 2026
Workshops (Task 1)	Fall 2026 – Winter 2026/2027 ¹
SGM Grant Program Concept Proposal (Task 2)	Early 2027 ¹
SGM Grant Program Full Proposal (Task 2)	Late 2027 ¹
Application(s) for other grant funding opportunities (Task 3)	Dates to be determined depending on grant funding opportunities, concluding December 31, 2028

¹ Dates are anticipated based on available information as of July 2026. DWR has not released specific dates when SGM grant program materials will be available or must be submitted. Draft guidelines are anticipated in Fall 2026 and final guidelines are anticipated in Winter 2026/2027. Concept proposals are anticipated to be due in early 2027, and final proposals are anticipated to be due in late 2027.

3.5 Cost Proposal

The estimated budget required to perform Tasks 1-2 is \$65,400 (Table 2). DE costs associated with Task 3 will be billed to CLIENT on a time and materials basis not to exceed \$30,000 without prior direction from the GSAs and written authorization from CLIENT. While estimated costs are based on a detailed task-by-task buildup, actual project costs will not necessarily be tracked on a task basis, nor will individual task budgets constrain charges for work performed up to the total estimated budget.

Table 2. Summary of Project Budget.

Task Number	Task Name	DE Labor Cost	Direct Cost	Total Cost
1	Lead Project Prioritization Workshops and Request Project Information	\$19,300	\$0	\$19,300
2	Prepare SGM Program Grant Application	\$46,100	\$0	\$46,100
3	Provide On-Call Support for Other Grant Applications	\$30,000	\$0	\$30,000
Total (Tasks 1-2)		\$65,400	\$0	\$65,400
Total (Tasks 1-3)		\$95,400	\$0	\$95,400

Staff Report

To: CGA-GGA Joint Board

Agenda Item: 6. Letter of Support: Colusa County Water District USBR WaterSMART Grant Application

- a. *Authorize Chairman to sign a letter of support for the Colusa County Water District USBR WaterSMART grant application. (CGA, GGA)

Date: July 17, 2026

Background

At the June 2026 Glenn Groundwater Authority (GGA) and Colusa Groundwater Authority (CGA) Joint Board meeting, a Colusa County Water District representative shared that the District will be applying for a USBR Water SMART grant to continue building on their groundwater recharge efforts within the South Colusa North Yolo (SCNY) footprint. The District requested support from both the CGA and GGA. The grant application is due July 27, 2026. A draft letter of support is attached. Each GSA could revise the template to reflect their individual considerations.

Recommendation

1. Consider providing a letter of support for the Colusa County Water District USBR WaterSMART Grant Application.

Attachments

- Template Letter of Support

June x, 2026

Bureau of Reclamation
Attn: NOFO Team
Denver Federal Center
Bldg. 67, Rm. 152
6th Avenue and Kipling Street
Denver, CO 80225

RE: Support of the U.S. Bureau of Reclamation WaterSMART Drought Response Program Grant
Application for the SCNY Subbasins Water Accounting, Modeling, and Infrastructure Improvements

To Whom It May Concern:

The Colusa Groundwater Authority (CGA or Agency) is pleased to provide this letter of support for the South Colusa – North Yolo (SCNY) Subbasins Water Accounting, Modeling, and Infrastructure Improvements (Project). Cost-effective groundwater recharge projects are critical to improve drought resiliency and groundwater conditions and mitigate land subsidence caused by increased dependence on groundwater during droughts. Additional participation in local recharge efforts is needed to achieve groundwater sustainability in the Region.

Financial assistance will help the Agency implement a groundwater demand management program which will incentivize more landowners to participate in recharge. The Agency will be able to better manage water supplies through decision support tools, modeling, and the identification of potential strategies to address drought impacts. The Agency is supportive of the Project scope including:

- Identifying where and how much groundwater pumping is occurring by developing a list of all active irrigation wells (including well specifications) and installing monitoring equipment, as feasible, to accurately track groundwater demands (e.g., groundwater well flow meters).
- Incorporating new data with existing online decision support tools to help landowners and regional water authorities identify alternative water supplies or water management options.
- Evaluating pumping capacities, user restrictions, and water delivery needs.
- Completing small-scale district infrastructure improvements to support recharge project implementation as feasible.

CGA has legal authority to implement the Sustainable Groundwater Management Act in the Colusa County portion of the Colusa Subbasin. The Agency will consider adopting policies such as a mandatory irrigation well registration program to encourage landowner participation in the Project as needed.

The Agency asks that you approve this funding request.

Sincerely,

Name
Title, Agency