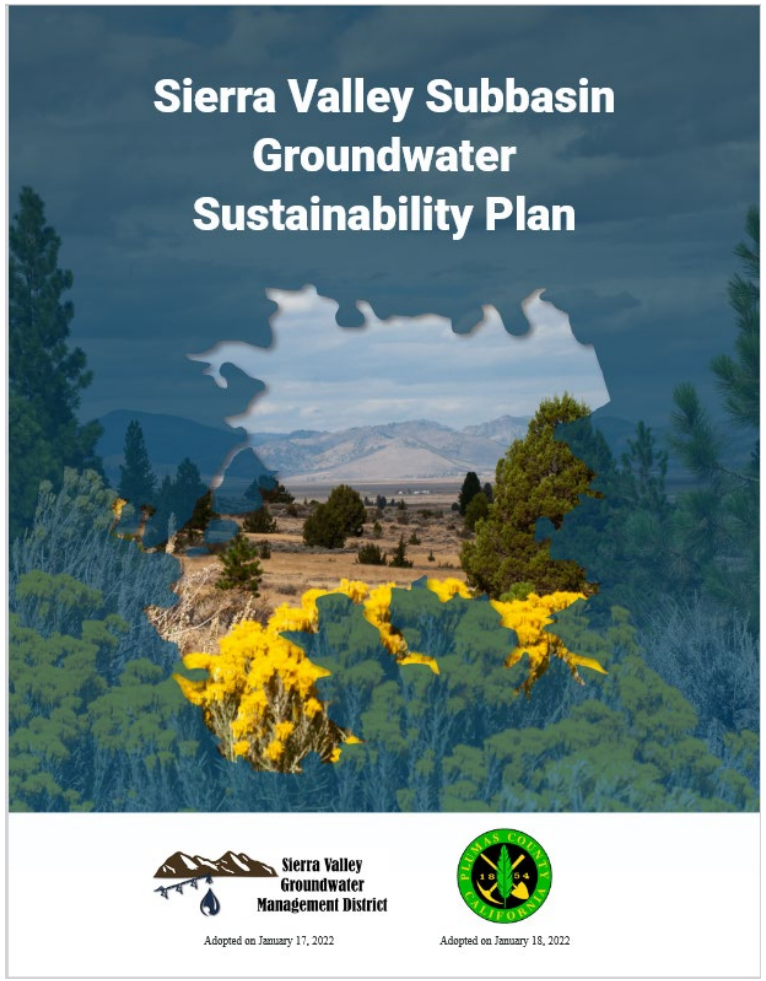
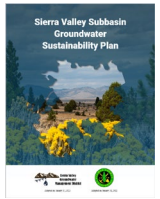
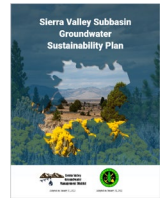


Outreach and Engagement: Plan Development



Outreach and Engagement: Plan Development

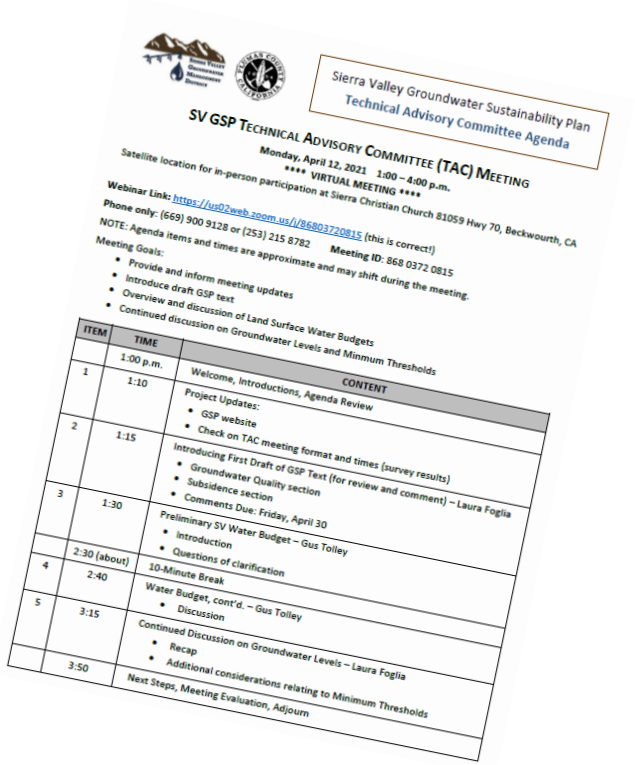
- Stakeholder Technical Advisory Committee
- Native American Tribes
- Community workshops (5/8/21, 5/10/21 - 10/17/21 – overview)
- Email updates to Interested Parties list
- Sierra Valley Groundwater Management District (SVGMD) meetings
- SVGMD website: www.sierravalleygmd.org/sierra-valley-groundwater-sustainability-plan
- Fact sheets



Outreach and Engagement: Plan Development

Technical Advisory Committee

- 18-member stakeholder Technical Advisory Committee
- 15 TAC + Community Meetings
- 3 Ad hoc (special focus) TAC meetings



Sierra Valley Groundwater Sustainability Plan
Technical Advisory Committee Agenda

SV GSP TECHNICAL ADVISORY COMMITTEE (TAC) MEETING

Monday, April 12, 2021 1:00 – 4:00 p.m.
****** VIRTUAL MEETING ******

Satellite location for in-person participation at Sierra Christian Church 81059 Hwy 70, Beckwourth, CA

Webinar Link: https://us02web.zoom.us/j/86803720815 (this is correct!)
Phone only: (669) 900 9128 or (253) 215 8782 **Meeting ID:** 868 0372 0815

NOTE: Agenda items and times are approximate and may shift during the meeting.

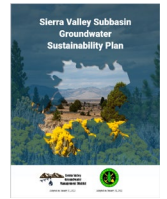
Meeting Goals:

- Provide and inform meeting updates
- Introduce draft GSP text
- Overview and discussion of Land Surface Water Budgets
- Continued discussion on Groundwater Levels and Minmum Thresholds

ITEM	TIME	CONTENT
	1:00 p.m.	Welcome, Introductions, Agenda Review
1	1:10	Project Updates: • GSP website • Check on TAC meeting format and times (survey results)
2	1:15	Introducing First Draft of GSP Text (for review and comment) – Laura Foglia • Groundwater Quality section • Subsidence section • Comments Due: Friday, April 30
3	1:30	Preliminary SV Water Budget – Gus Tolley • Introduction • Questions of clarification
	2:30 (about)	
4	2:40	10-Minute Break
5	3:15	Water Budget, cont'd. – Gus Tolley • Discussion Continued Discussion on Groundwater Levels – Laura Foglia • Recap • Additional considerations relating to Minimum Thresholds
	3:50	Next Steps, Meeting Evaluation, Adjourn

Dedicated communications with Native American Tribes

- Plumas County partnered on all engagement with Tribes
- Email, hard copy letters and phone calls to 12 Tribes
- One Tribe requested to be included on all TAC and Interested parties messages

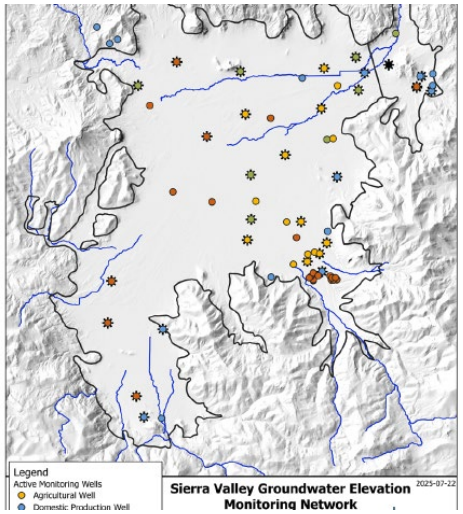


Outreach and Engagement: Plan Development

Community workshops

- Introduction, overview and discussions: 5/8/21, 5/10/21
- Presentation and discussion of GSP Public Review Draft 10/17/21

lwa



Outreach and Engagement: Plan Implementation

Nature of the implementation work

Less interest in public meetings and workshops

- **Two irrigators workshops (dates)**
- **Plumas-Sierra County Fair (July 2025)**
- **Website and fact sheets (ongoing)**
- **Email updates (ongoing)**
- **Board meetings (ongoing)**
- **Dedicated briefing to TAC and community members**

GSP Implementation and SGMA Compliance – Next Steps

- 5-year Periodic Evaluation (due 2027)
- Annual Reporting
- Continued implementation of recharge and irrigation efficiencies
- Monitor results and make adjustments as needed

Periodic Evaluation Requirements

Required to be submitted every 5 years based on the GSP submission. Due January 2027

- Evaluate groundwater conditions against original sustainability goals and objectives.
- Analyze direct impacts of projects on groundwater (GW) management efforts.
- Review and update monitoring network, identifying and addressing data gaps.
- Assess significant new information potentially affecting basin sustainability criteria.
- Verify that coordination agreements and inter-agency communication remain current and effective.
- Summarize regulatory actions and legal measures supporting sustainability goals.
- Recommend modifications necessary to maintain or improve GW management strategy.

Address recommended corrective actions by DWR

lwa

Improved aquifer characterization, Chilcoot subbasin

Investigating the basin fill and bedrock units and identifying the appropriate principal aquifer(s)	• Better characterizing aquifers based on information gained from well inventory, recharge related soil borings and AEM/Geophysical data. • Updating DMS with more information and updating geological model
Providing more information about how data from the adjacent Chilcoot Subbasin will be utilized by the GSA during plan implementation	. • Reviewing well data for the Chilcoot subbasin including wells already in the existing monitoring network located in the Chilcoot subbasin • **Evaluate other hydrologic data collected for the GSP to further characterize the geology and hydrological connection to the Sierra Valley subbasin**

lwa

Groundwater Level Undesirable Result

From GSP - *Operationally, an undesirable result for the groundwater level SMC would occur when more than 10% (4 or more of the 36 wells) of RMPs for groundwater levels in the Subbasin fall below their MT for two consecutive years.*

Amending the definition of undesirable results for the chronic lowering of groundwater levels

- Additional data on groundwater levels will be collected from existing wells along with wells that will be added to the monitoring network
- **Develop an inventory of domestic and agricultural wells to better assess the potential for an undesirable result.**
- Develop impact analysis of basin being at MT on all wells

lwa

Subsidence Undesirable Result

From the GSP - *An undesirable result occurs when subsidence substantially interferes with beneficial uses of groundwater and surface land uses. Specific examples of undesirable results include substantial interference with land use, and significant damage to critical infrastructure, such as building foundations, roadways, railroads, canals, pipes, and water conveyance.*

Too general - need to make more specific

Amending the definition of undesirable results for land subsidence and establishing sustainable management criteria based on groundwater surface elevation changes

- **Using data from recently installed monuments to measure subsidence in the north eastern area of the basin** where greater subsidence has been identified.
- InSAR monitoring is being used in conjunction with monuments and monitoring wells through out the Basin.
- Use INSAR and monument data to update undesirable result

lwa

2021 water quality; ISW depletion

Providing a rationale for why water quality conditions in 2021 were selected

- A comparison of 2015 and 2021 water quality data will be included in the GSP update to better demonstrate which year provides the most representative baseline.
- General climate conditions for the 2 years will also be considered

Fill data gaps, collect additional monitoring data, coordinate with resources agencies & interested parties to understand beneficial uses and users that may be impacted **by depletions of interconnected surface water** caused by groundwater pumping,

- Work underway to better characterize ISWs.
- Use data from shallow wells in wetlands area and available from CDFW to update ISW/GDE understanding
- Identify additional monitoring needs

lwa

GSP Implementation

- Identify additional approaches to public outreach/communication
- Continue implementation of Irrigation Efficiencies and Groundwater Recharge
- Further evaluate if Interconnected Surface Water depletion is occurring and related impacts
- Optimize monitoring network to track impacts and benefits to water storage, GDEs and water quality