



Corning Sub-basin GSA Committee Meeting Materials

June 9, 2021 | 9:30 am

Pursuant to Governor Newsom’s Executive Order N-29-20 this meeting will be conducted by teleconference.

Zoom Information Join Zoom Meeting by computer, smartphone, or tablet at: https://cbuilding.zoom.us/j/97295519623	Join by phone: +1 669 900 6833 833 548 0282 US Toll-free
One tap mobile +16699006833,,97295519623# US (San Jose)	Meeting ID: 972 9551 9623 Find your local number: https://cbuilding.zoom.us/j/97295519623

1. Call to Order

The Chair will call the meeting to order.

2. Roll Call

Staff will conduct roll call.

3. Meeting Minutes

a. *Approval of April 14, 2021, Meeting Minutes

Draft meeting minutes are attached.

b. *Approval of May 12, 2021, Meeting Minutes

Draft meeting minutes are attached.

Attachments:

- April 14, 2021, draft meeting minutes
- May 12, 2021, draft meeting minutes



Meeting Minutes
Regular Meeting of the Corning Sub-basin GSA Committee
Teleconference
April 14, 2021
9:30 am

Pursuant to Governor Newsom’s Executive Order N-29-20 this meeting was conducted by teleconference.

1. Call to Order

John Amaro called the meeting to order at 9:36 am.

2. Roll Call

	Party Representative	Member Agency
X	Tom Arnold	County of Glenn
X	Grant Carmon	County of Glenn
X	John Amaro	Glenn-Colusa Irrigation District
X	Pete Knight	Glenn-Colusa Irrigation District
	Julia Violich	Monroeville Water District
	Seth Fiack	Monroeville Water District

Lisa Hunter conducted roll call and confirmed a quorum of members were present, which is noted above.

3. *Approval of March 10, 2021 Meeting Minutes

A motion was made to approve the March 10, 2021 meeting minutes as presented.

Motion: Tom Arnold; Second: Grant Carmon; Vote: Unanimous

Roll Call Vote:

Tom Arnold: Aye

Grant Carmon: Aye

John Amaro: Aye

Pete Knight: Aye

4. Period of Public Comment

There were no comments.

5. Staff Reports

Ms. Hunter provided a brief report about Facilitation Support Services (FSS) funded by the Department of Water Resources (DWR). Staff is exploring pathways to continue facilitation services with the Consensus Building Institute (CBI) through GSP development by either

requesting an amendment to the current task order or possibly submitting a new application. The new task order may include more public meetings and additional coordination.

6. Corning Subbasin Advisory Board Report

Ms. Hunter provided an update from the previous Corning Subbasin Advisory Board (CSAB) meeting, held on April 7, 2021. During the meeting, GSAs provided relevant updates and the technical consulting team reviewed the status and next steps for GSP development and the key takeaways from projected Water Budgets. Additional discussion focused primarily on the Sustainable Management Criteria (SMC) and potential Projects and Management Actions (PMA).

Ms. Hunter pointed CSGSA Committee members to the supporting materials in the meeting packet. Materials included a summary of the key topics reviewed and main discussion highlights, the GSP development schedule, a very preliminary inventory of potential PMAs, and the presentation slides from the April 7th CSAB meeting. Additional information, meeting dates, and meeting materials are available on the website at: www.corningssubbasingsp.org.

CSAB representatives, Mr. Amaro and Mr. Mori, provided additional updates from the meeting. During the meeting, there were substantive discussions and concerns regarding the development of SMC. Mr. Amaro shared that the GSAs will have the ability to update and refine the plan along the way, even after its initial submission in January 2022. Mr. Mori added the SMC development, particularly the Minimum Threshold (MT) will be a key driver of groundwater management in the years to come. He encouraged additional productive conversations and willingness to analyze and revise the details. Mr. Mori shared the facilitation team is looking at options to hold an in-person or hybrid meeting to further discuss the MT and do additional work to run different scenarios and set more realistic thresholds to benefit all stakeholders. Mr. Amaro echoed many participants are frustrated with virtual meetings and would like to meet in person.

7. Groundwater Sustainability Plan Development

- a. Receive update on Groundwater Sustainability Plan development, grant agreement, and project agreement

Ms. Hunter provided a brief update on the GSP development status. Glenn County staff is currently working on Invoice #9 to submit to the Department of Water Resources and will provide a more comprehensive update at the next meeting. Montgomery & Associates has invoiced approximately \$554,000. Highlights of current work has been preparing the CSAB meetings, participating in inter-basin coordination meetings, reaching out to stakeholders and agencies, drafting GSP chapters, and reviewing comments and revisions received from the public, as well as continued technical work particularly on the SMCs and PMAs. Draft GSP Chapters are available at the website: <https://www.corningssubbasingsp.org/> which include the Introduction, Plan Area, Hydrogeologic Conceptual Model, Groundwater Conditions, and the Draft Water Budget section, including a reading guide and appendix.

- b. Sustainable Management Criteria (SMC)

- i. Revisit past CSAB recommendations to GSAs and path forward to develop Chronic Lowering of Groundwater Level Sustainable Management Criteria
- ii. CSAB discussion on Land Subsidence Sustainable Management Criteria

The Corning Subbasin Management Team is planning an additional CSAB meeting focused on the SMC development, particularly on the recommendations for Chronic Lowering of Groundwater Levels SMC. This includes Minimum Thresholds (MT), Measurable Objectives (MOs), and options for Undesirable Results for Chronic Lowering of Groundwater Levels. The date and time for this additional meeting is still to be determined. Ms. Hunter and Mr. Amaro encouraged all CSGSA Committee Members to attend and pay close attention to the discussion, as it is often difficult to convey the depth of the conversation during the short staff reports at CSGSA meetings. Additionally, Ms. Hunter noted that in Tehama County (Tehama County Groundwater Commission), they did not approve any of the recommendations.

8. Inter-basin Coordination Update

Ms. Hunter provided an overview of inter-basin coordination efforts and pointed Committee Members to the agenda packet for additional information. Staff from the Antelope, Bowman, Butte, Colusa, Corning, Los Molinos, Red Bluff, Sutter, Vina, Wyandotte Creek, and Yolo Subbasins continue to meet to discuss inter-basin coordination. Groundwater Sustainability Agencies (GSAs) are working together to establish a foundation for open and transparent inter-basin coordination. Efforts are moving towards establishing a framework for sustained inter-basin coordination throughout GSP implementation. The goal is to develop shared language to be inserted to each GSP to describe how coordination and communication will take place. Also, informal neighbor-to-neighbor conversations are occurring to think through various technical components. More information can be found on a webpage hosted by Butte County at: <https://www.buttecounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act/Inter-basin-Coordination>

Mr. Knight asked whether other subbasins have set their SMC criteria. It seems like the Vina Subbasin in Butte County is getting very close. Ms. Hunter will get back to the committee with additional information.

9. Corning Sub-basin GSA Committee Member Reports and Comments

Members of the CSGSA Committee were encouraged to share information, reports, comments, and suggest future agenda items. Mr. Carmon asked Ms. Hunter about the timeline and criteria to restart in-person meetings. In his opinion, it would be super beneficial to look through charts and data together. Mr. Hunter is having informal conversations and exploring options with the consulting teams and other government agencies. Some of the consultants have policies and criteria in place for their staff. In terms of options, the groups can consider hybrid meetings. That said, hybrid meetings require logistic challenges and raise questions related to public participation and safety. Staff has not found a solution yet but will revisit this conversation in future meetings. Ms. Hunter encouraged CSGSA members to share ideas and possible solutions going forward.

10. Next Meeting

The CSGSA will meet again on May 12, 2021 at 9:30 am.

11. Adjourn

The meeting was adjourned at 10:00 am.

DRAFT



Meeting Minutes
Regular Meeting of the Corning Sub-basin GSA Committee
Teleconference
May 12, 2021
9:30 am

Pursuant to Governor Newsom’s Executive Order N-29-20 this meeting was conducted by teleconference.

1. Call to Order

John Amaro called the meeting to order at 9:35 am.

2. Roll Call

	Party Representative	Member Agency
X	Tom Arnold	County of Glenn
X	Grant Carmon	County of Glenn
X	John Amaro	Glenn-Colusa Irrigation District
	Pete Knight	Glenn-Colusa Irrigation District
	Julia Violich	Monroeville Water District
	Seth Fiack	Monroeville Water District

Lisa Hunter conducted roll call. A quorum of members was not present, so no action was taken during the meeting.

3. *Approval of April 14, 2021, Meeting Minutes

The approval of meeting minutes was postponed since there was no quorum of members present.

4. Period of Public Comment

No comment

5. Staff Reports

Ms. Hunter provided a brief report about Facilitation Support Services (FSS) funded by the Department of Water Resources (DWR). Staff is exploring pathways to extend or request an amendment to the task order to maintain facilitation services with the Consensus Building Institute (CBI) throughout GSP development. The new or amended task order may include more public meetings and additional coordination.

Ms. Hunter also provided an update on the status of accommodating in person and/or hybrid meetings. Staff is struggling to find suitable meeting venues within the jurisdiction of the Groundwater Sustainability Agency (GSA). Venues need to have the appropriate technology to allow for virtual participation and accommodate a large group of people, while abiding by public safety rules and regulations. The Corning Subbasin Advisory Board

(CSAB) had a hybrid meeting recently, which required significant logistics and coordination effort. CSAB representatives shared they thought the hybrid meeting went very well and are hopeful for future creative meeting arrangements.

6. Corning Subbasin Advisory Board Report

Ms. Hunter provided an update from the previous CSAB meeting held on May 5, 2021, and a special CSAB meeting held May 6, 2021. Ms. Hunter highlighted the rich discussion related to the Sustainable Management Criteria (SMC) components. Both meetings were focused primarily on discussion and feedback on various SMC. The May 5 meeting topics included Water Quality SMC, Streamflow Depletion SMC, and Projects and Management Actions (PMAs). The May 6 Special meeting provided the CSAB and stakeholders an additional opportunity to learn about and engage in discussion regarding the Groundwater Level SMC. The May 6th Special Meeting was designed to provide opportunity for dialog; no actions were recommended or taken. The goal for the June CSAB meeting will be to finalize recommendations to the GSAs for all applicable SMC.

CSAB representative, Brian Mori, shared the special CSAB meeting went well, and the group was able to offer additional proposals and make progress towards consensus on the Groundwater Level SMC. One proposal was to use a percentage approach to setting the Minimum Thresholds and possibly dividing the wells between shallow, deep, and western sections. Lisa Porta, from Montgomery & Associates (M&A) will bring these proposals back to the CSAB. Mr. Amaro shared that he did not have an opportunity to attend but would like to explore the possibility of hosting additional hybrid meetings. Staff is exploring options, but the next meeting will likely be held remotely. In total, about ten people attended the hybrid meeting in person, plus CSAB members and staff. Mr. Mori highlighted the benefits of face-to-face conversations. CSGSA members expressed that while it may not always be logistically feasible, they would like to have more hybrid meetings or begin hosting in person meetings.

Ms. Hunter pointed CSGSA Committee members to the supporting materials in the meeting packet. Materials included the GSP development schedule, the May 5th and May 6th CSAB Presentation Slides, and a handout provided by CSAB member, Mr. Mori during the May 6th meeting. Additional information, meeting dates, and meeting materials are available on the website at: www.corningsubbasingsp.org. The next meeting is scheduled for June 2, 2021 at 1:30 pm.

7. Groundwater Sustainability Plan Development

a. Receive update on Groundwater Sustainability Plan development

Ms. Hunter provided a brief update on the Groundwater Sustainability Plan (GSP) development status, acknowledging there have not been any major changes from last month's report. Staff is working on submitting the grant invoice and progress report for January through March 2021. The technical consultants (M&A) have been focusing on preparing for the CSAB meetings, management team meetings, and inter-basin coordination meetings as needed. Most of the work has been concentrated on preparing draft GSP chapters, including the SMC and PMAs.

Regarding the optional funding mechanism task in the contract with M&A, staff is working on getting that task authorized at the County level. Ms. Hunter is working closely with other GSA staff to refine the scope of work and asked CSGSA members to share any concerns with this approach. None were heard. Ms. Hunter highlighted the iterative nature of the GSP development makes it challenging to keep the work on schedule and within the budget. Staff would like to ensure the various groups are coming to agreement, moving forward, and keeping the plan development on track.

Lastly, Ms. Hunter pointed CSGSA members to the draft GSP Chapters available at the website: <https://www.corningsubbasingsp.org/>. Draft chapters include the Introduction, Plan Area, Hydrogeologic Conceptual Model, Groundwater Conditions, and the Water Budget. The Water Budget chapter also include a reading guide and appendix. The Monitoring Network and SMC chapters will hopefully be released for public review early June.

b. Sustainable Management Criteria

Members of the CSGSA discussed and provided input to CSAB representatives and staff on SMCs for Chronic Lowering of Groundwater Levels, Water Quality, Streamflow Depletion, Land Subsidence, and Groundwater Storage. This includes Minimum Thresholds (MT), Measurable Objectives (MOs), and Undesirable Results (URs). The Consultant Team provided recommendations for discussion and received input from the CSAB over the past few months.

Discussion:

Overall, the CSGSA and members of the public provided positive feedback on the format of the Groundwater Levels special CSAB hybrid meeting. Participants felt that while more work is still needed on the Groundwater Level SMC, the group was able to have a rich discussion and work towards consensus. The hybrid set up worked smoothly. Participants liked having face-to-face conversations. Some encouraged moving towards in person and/or hybrid settings. Others would like to maintain a remote participation option for people that cannot travel to all the meetings.

Michael Ward, representing homeowners from the Western portion of the Subbasin (Thomes Creek Estates area) shared they have seen declining groundwater levels over the past years. While they acknowledge the desire to maintain operational flexibility, they do not support the idea to lower the MT on the Western side. They estimate that based on well completion reports, lowering the MT by 30% would lead 50% of wells to become non-operational. They also would like to increase the number of monitoring sites and reference points on the west side. Mr. Mori, CSAB representative, echoed the need for more information on the western side to understand the impacts of drought and increased domestic and agricultural wells in that portion of the Subbasin. He favors a different approach per management area (Eastern, Western, Southern) and would like to maintain flexibility, operational range, and balance the various beneficial users and uses. Cork Mclsaac, representing agricultural users in the Western area expressed he would like to promote flexibility for agricultural operations in the Western portion. All echoed a desire for improved data and acknowledged the need to move forward with the process and refine along the way.

8. Inter-basin Coordination Update

Ms. Hunter provided an overview of inter-basin coordination efforts and pointed Committee Members to the agenda packet for additional information. Staff from several subbasins continue to meet to discuss inter-basin coordination. Efforts are moving towards establish a framework for inter-basin coordination throughout GSP implementation. Staff began initial discussion related to desired outcomes, shared concerns, and foundational pillars for long-term inter-basin coordination. Public input will be gathered at existing public GSA meetings.

More information can be found on a webpage hosted by Butte County at: <https://www.buttecounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act/Inter-basin-Coordination>. Subbasin contacts for specific information was provided in the meeting packet.

9. Corning Sub-basin GSA Committee Member Reports and Comments

No reports or comments were shared.

10. Next Meeting

The CSGSA is scheduled to meet on June 9, 2021, at 9:30 am.

11. Adjourn

The meeting was adjourned at 10:08 am.

Acronym List

CBI Consensus Building Institute
CSAB Corning Subbasin Advisory Board
CSGSA Corning Sub-basin Groundwater Sustainability Agency
DWR Department of Water Resources
FSS Facilitation Support Services
GSA Groundwater Sustainability Agency
GSP Groundwater Sustainability Plan
M&A Montgomery & Associates
MO Measurable Objective
MT Minimum Threshold
PMA Projects and Management Actions
SI Sustainability Indicator
SGMA Sustainable Groundwater Management Act
SMC Sustainable Management Criteria
UR Undesirable Results

4. Period of Public Comment

Members of the public are encouraged to address the Corning Sub-basin GSA Committee. Public comment will be limited to three minutes. No action will be taken on items under public comment.

5. Staff Reports

Staff from members of the Corning Sub-basin GSA will provide relevant updates, such as a brief status update of GSP development, grant agreement, and project agreement. Reminders and clarifications may be made, and direction may be provided to staff.

6. Corning Subbasin Advisory Board Report

The Corning Subbasin Advisory Board (CSAB) met on June 2, 2021. The goal of the meeting was to review the Sustainable Management Criteria (SMC) for each applicable Sustainability Indicator and come to agreement on recommendations to the GSAs. During the meeting, the CSAB voted on recommendations for all five applicable Sustainability Indicators, as summarized in the attached table. Montgomery & Associates prepared a brief discussion and summary of recommendations including applicable backup information which is provided below.

The CSAB meeting materials, including presentations, agendas, and meeting summaries are available on the website at: www.corningsubbasingsp.org. The next meeting is scheduled for July 7, at 1:30 pm.

Advisory Board members may provide additional updates.

Attachments:

- June 2, 2021, CSAB Discussion and Recommendations Summary
- June 2, 2021, CSAB Presentation Slides
- GSP Development Schedule

CSAB Discussion and Recommendations Summary from 2 June 2021 Meeting, including backup information.

All meeting handouts are available at: <https://www.corningsubbasingsp.org/csab-meetings>

Purpose and Goals of Meeting:

Review Sustainable Management Criteria (SMC) for each Sustainability Indicator (SI) and come to agreement on recommendations to the GSAs.

Outcome:

CSAB voted on recommendations for all 5 applicable Sustainability Indicators, as summarized in the attached table.

A brief overview of recommendations and applicable backup information is provided below.

1. Degraded Groundwater Quality SMC

CSAB unanimously recommended the degraded water quality SMC to be related to Total Dissolved Solids (TDS), a salinity indicator. The Minimum Threshold and Measurable Objectives are consistent with the ones recommended in the adjacent Red Bluff Subbasin to the North.

2. Land Subsidence SMC

CSAB unanimously recommended the land subsidence SMC, resulting from the 4/7 CSAB meeting discussion, and acknowledging the fact that subsidence is very unlikely in the Corning Subbasin, except for an area in Glenn County near Stony Creek. The Minimum Threshold is consistent with the one recommended in both the adjacent Red Bluff and Colusa Subbasins.

3. Chronic Lowering of Groundwater Levels (GWL) SMC

Following the discussion and feedback received at and after the 5/6 Special CSAB meeting on GWL SMC, two options for Minimum Thresholds were put forth for CSAB review and recommendation. The technical team presented additional information including a domestic well impact analysis to get a better estimate of potential domestic well impacts with the SMC options – realizing the limitations of the current domestic well data that are available.

After further discussion and stakeholder input, CSAB recommended the SMC as shown on the attached table, on a majority vote basis. Additional information on this item can be found on the Corning GSP website, under the 5/6 and 6/2 meeting materials.

4. Reduction in Storage SMC

The reduction in storage SMC uses groundwater levels as a proxy, consistent with other GSPs in the Sacramento Valley. Therefore, the SMC are closely linked to the GWL SMC. CSAB unanimously recommended the reduction in storage SMC.

5. Streamflow Depletion SMC

The streamflow depletion SMC uses groundwater levels as a proxy, consistent with other GSPs in the Sacramento Valley. The monitoring network for streamflow depletion has some data gaps. A subset of DWR shallow observation wells will be used for this SMC, until a more refined monitoring network is developed to supplement the current network. This approach is consistent with the recommendations in the Colusa Subbasin. CSAB unanimously recommended the streamflow depletion SMC.

Corning Subbasin GSP Sustainable Management Criteria Summary – Recommended by CSAB June 2, 2021

Sustainability Indicator	Measurement	Minimum Threshold (MT)	Measurable Objective (MO)	Interim Milestones	Undesirable Result (UR)
Chronic lowering of groundwater levels	Annual fall groundwater elevation measured in representative monitoring well network by County or DWR.	<u>Stable wells</u> : Minimum fall groundwater elevation since 2012 minus 20-foot buffer. <u>Declining wells</u> : Minimum Fall groundwater elevation since 2012 minus 20% of minimum groundwater level depth.	<u>Stable wells</u> : Maximum fall groundwater elevation since 2012. <u>Declining wells</u> : Maximum fall groundwater elevation in 2015.	To be determined	20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years. If the water year type is dry or critically dry then levels below the MT are not undesirable if groundwater management allows for recovery in average or wetter years.
Reduction in groundwater storage	Using groundwater levels as a proxy - Calculated based on groundwater levels and general assumptions about groundwater storage coefficients.	Amount of groundwater in storage when groundwater elevations are at their minimum threshold.	Amount of groundwater in storage when groundwater elevations are at their measurable objective.	To be determined	Same as chronic lowering of groundwater levels.
Degraded groundwater quality	Annual TDS measured by water providers at public supply wells in the Subbasin.	TDS concentration of 750 mg/L at public supply wells.	California lower limit SMCL concentration for TDS of 500 mg/L measured at public supply wells.	Identical to current conditions	At least 25% of representative monitoring sites exceed the minimum threshold for water quality for 2 consecutive years at each well where it can be established that GSP implementation is the cause of the exceedance.
Land Subsidence	Inelastic land subsidence measured by InSAR data available from DWR, and periodic measurements at the DWR survey monuments.	No more than 0.5 feet of cumulative subsidence over a five-year period (beyond the measurement error), solely due to lowered groundwater elevations.	Zero inelastic subsidence, in addition to any measurement error. If InSAR data are used, the measurement error is 0.1 ft and any measurement of 0.1 ft or less would not be considered inelastic subsidence.	Identical to current conditions	Any exceedance of a minimum threshold that is irreversible and caused by lowering groundwater elevations.
Depletion of interconnected surface water	A subset of shallow wells used for the chronic lowering of groundwater levels, consisting of DWR observation wells near streams.	Same as chronic lowering of groundwater levels.	Same as chronic lowering of groundwater levels.	Identical to current conditions	Same as chronic lowering of groundwater levels.

Corning Subbasin Groundwater Sustainability Plan Technical Presentation

Presented to Corning Subbasin Advisory Board
06/02/2021 | The Lodge at Rolling Hills Casino
and Teleconference

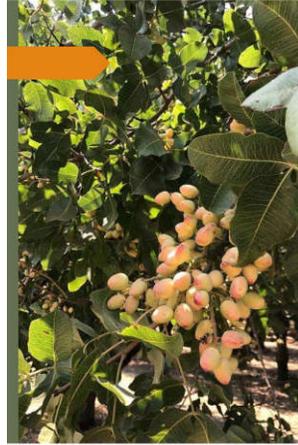


DWR Updates and Outreach Materials

- New DWR materials:
<https://water.ca.gov/Programs/Groundwater-Management/Assistance-and-Engagement>
- Introduction to Groundwater and SGMA Video:
[Groundwater: California's Vital Resource](https://www.youtube.com/watch?v=Vtr07_bzKlg)
(https://www.youtube.com/watch?v=Vtr07_bzKlg)
- Interactive Groundwater Story Map:
[Groundwater: Understanding and Managing this Vital Resource](https://storymaps.arcgis.com/stories/f675c25b77e4b1d95ce86a82bf0e96)
(<https://storymaps.arcgis.com/stories/f675c25b77e4b1d95ce86a82bf0e96>)
- How to Report Domestic Wells Going Dry:
 - Use DWR's online Household Water Supply Shortage Reporting System.
 - To report a water supply shortage, go to the MyDryWaterSupply webpage:
<https://mydrywatersupply.water.ca.gov/report/>

6/2/2021

2



Today's Meeting Agenda and Goals

Purpose and Goals:
Review SMC for each Sustainability Indicator and come to agreement on recommendations to the GSAs.

- AGENDA**
- Review Draft Degraded Water Quality SMC
 - Review Draft Land Subsidence SMC
 - Review Draft Chronic Lowering of Groundwater Levels SMC
 - Reduction in Storage SMC
 - Review Draft Streamflow Depletion SMC
 - Review GSP Status and Next Steps

6/2/2021

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Review Draft Groundwater Quality SMC



6/2/2021



Draft Degraded Groundwater Quality SMC

Measurement	Annual TDS and EC measured by water providers at public supply wells in the Subbasin and at irrigation supply wells in Glenn County.
Minimum Threshold	California upper limit SMCL concentration for TDS of 1,000 mg/L at public supply wells and agricultural standard EC measurement of 700 μS/cm at irrigation supply wells
Measurable Objective	California lower limit SMCL concentration for TDS of 500 mg/L measured at public supply wells and agricultural standard EC measurement of 700 μS/cm at irrigation supply wells
Undesirable Result	At least 25% of representative monitoring sites exceed the minimum threshold for water quality for 2 consecutive years at each well where it can be established that GSP implementation is the cause of the exceedance.

Possible Action Item: recommend to the GSAs that the MT, MO, and URs for degraded water quality be set as shown in this table.



6/2/2021

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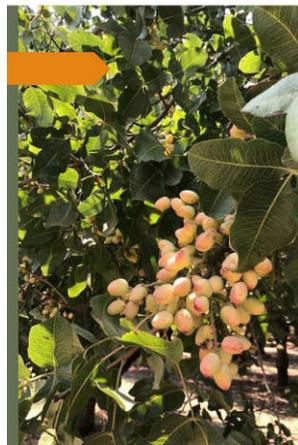
Degraded Water Quality SMC Discussion: Questions and Comments?

- CSAB comments
- Public comments

Recommendation to GSAs?

6/2/2021

6



Review Draft Land Subsidence SMC

Draft Land Subsidence SMC

Measurement	Inelastic land subsidence measured by InSAR data available from DWR, and periodic measurements at the DWR survey monuments.
Minimum Threshold	No more than 0.5 feet of cumulative subsidence over a five-year period (beyond the measurement error), solely due to lowered groundwater elevations.
Measurable Objective	Zero inelastic subsidence, in addition to any measurement error. If InSAR data are used, the measurement error is 0.1 ft and any measurement of 0.1 ft or less would not be considered inelastic subsidence.
Undesirable Result	Any exceedance of a minimum threshold that is irreversible and caused by lowering groundwater elevations

Possible Action Item: recommend to the GSAs that the MT, MO, and URs for land subsidence be set as shown in this table.

Land Subsidence SMC Discussion: Questions and Comments?

- CSAB comments
- Public comments

Recommendation to GSAs?

Review Draft Chronic Lowering of Groundwater Levels SMC

Review Information Presented at and Developed after the Special Meeting

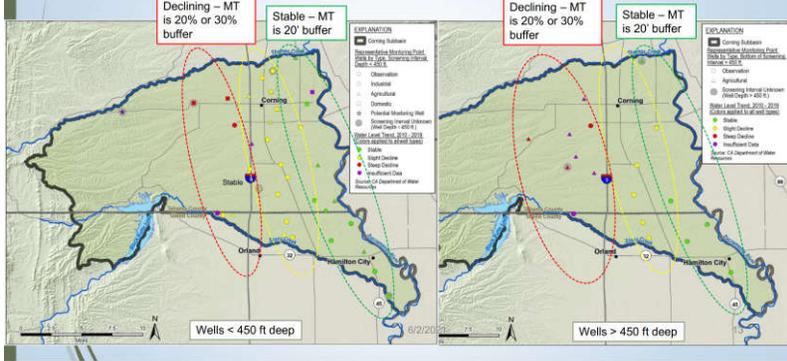
- 5/6 CSAB Special Meeting on Chronic Lowering of Groundwater Levels SMC
- 5 options for Minimum Thresholds were presented
- Discussion was held with CSAB members and input was received from the public
- No consensus was reached, but generally a path forward on a refined approach for minimum thresholds and measurable objectives was agreed upon for further review
 - See handout with revised SMC information provided to CSAB in advance of this meeting
- Additional input from CSAB members was provided and captured in the following slides

Draft Chronic Lowering of Groundwater Levels SMC – Options for Consideration

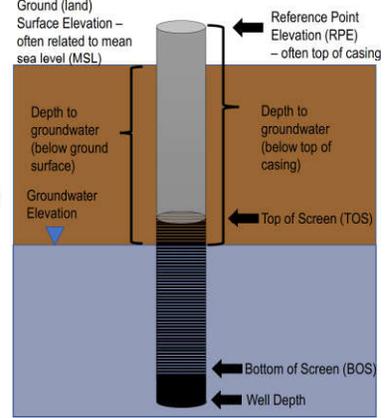
Measurement	Annual fall groundwater elevation measured in representative monitoring well network by County or DWR.
Minimum Threshold	Stable wells: Minimum fall groundwater elevation since 2012 minus 20-foot buffer. Declining wells: Minimum Fall groundwater elevation since 2012 minus 20% or 30% (TBD) of minimum groundwater level depth.
Measurable Objective	Stable wells: Maximum fall groundwater elevation since 2012 Declining wells: Maximum fall groundwater elevation in 2015
Undesirable Result	20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years. <i>If the water year type is dry or critically dry then levels below the MT are not undesirable if groundwater management allows for recovery in average or wetter years.</i>

Today's goal: reach agreement on MT for declining wells set at 20% or 30% buffer

Recent Regional Groundwater Level Trends within Subbasin (2010 to 2019)



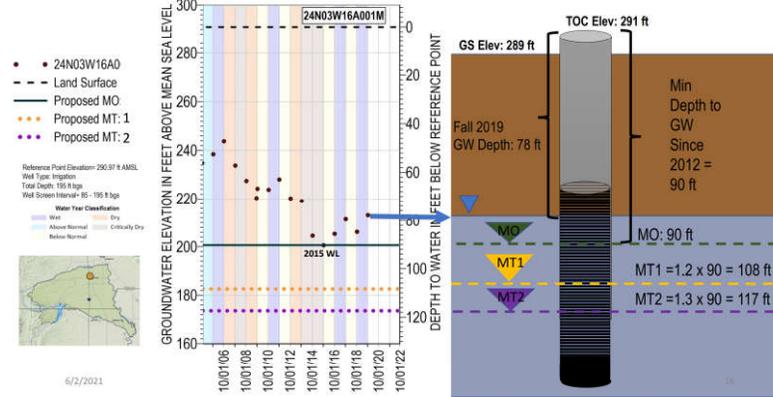
Groundwater Level Reference Measurements



SMC Options (reminder)

- Stable well:**
 - MO = Max Fall GW level since 2012
 - MT = Min GW level since 2012 - 20 ft
- Declining Well:**
 - MO = Max Fall GW level in 2015
 - MT Option 1 (MT1) = 1.2 x Min GW Level Since 2012
 - MT Option 2 (MT2) = 1.3 x Min GW Level Since 2012

Example MT Calculation (declining well)



6/2/2021

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6/2/2021

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Domestic Well Impacts Analysis

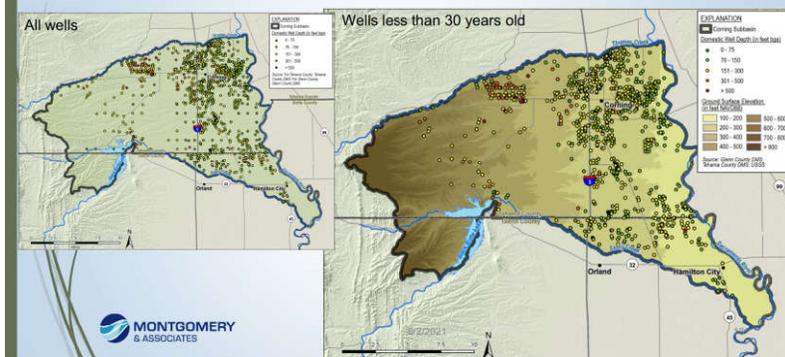
- Use currently available domestic well data for the 2 counties
- Filter out wells drilled earlier than 1991 (or 30 years old, which is a typical and anticipated lifespan for domestic wells in the area)
- Use a 25ft safety factor on top of shallow domestic well depths to maintain sufficient water in domestic wells to operate pumps.
- Intersect domestic well depths (with 25ft safety factor) with groundwater elevation contours of MTs for both options - calculate rough percentage of wells that may go dry
- Review wells that were potentially dry in Fall 2015



6/2/2021

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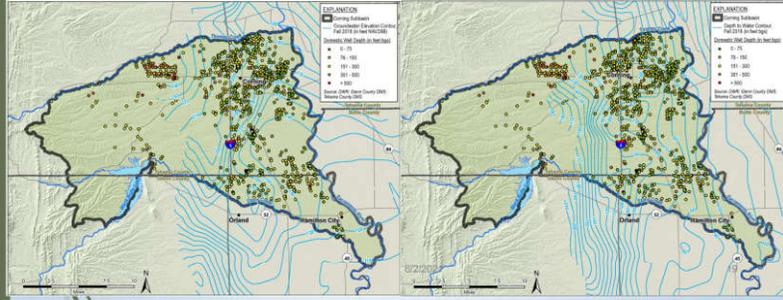
Review of Domestic Wells Depth by approximate location



Groundwater Elevation Contours Compared to Domestic Well Depths

FALL 2018 – GROUNDWATER ELEVATIONS

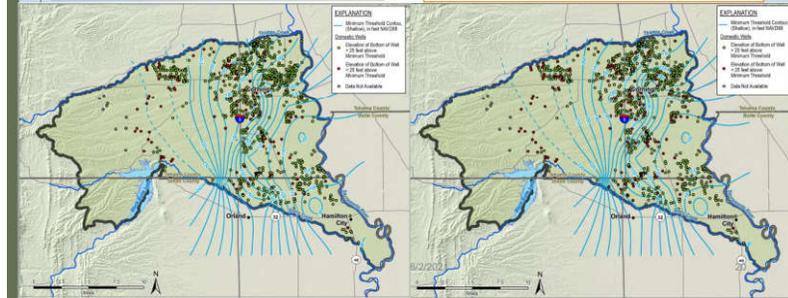
FALL 2018 – DEPTH TO GROUNDWATER LEVELS



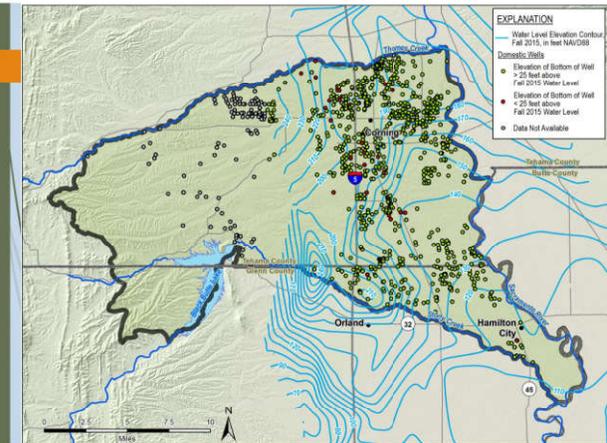
Domestic Wells at Risk of Going Dry for each Shallow MT Option

MT option 1 (20% buffer in declining wells): approx. 16% dry domestic wells at shallow MT

MT option 1 (30% buffer in declining wells): approx. 23% dry domestic wells at shallow MT



Fall 2015 Groundwater Elevation Compared to domestic wells above groundwater - approx. 4% of domestic wells potentially dry, excluding large data gap area to the west



Domestic Well Analysis Summary Statistics

DOMESTIC WELL COUNT		
Tehama County		
Depth Range (ft.)	Number of Wells	Percent of Wells
0-75	4	0.4%
76-150	429	43.2%
151-300	497	50.1%
301-600	56	5.6%
>600	4	0.4%
Total	992	100.0%

Glenn County		
Depth Range (ft.)	Number of Wells	Percent of Wells
0-75	1	0.7%
76-150	58	42.6%
151-300	74	54.4%
301-600	2	1.5%
>600	1	0.7%
Total	136	100.0%

Total		
Depth Range (ft.)	Number of Wells	Percent of Wells
0-75	5	0.4%
76-150	487	43.2%
151-300	571	50.6%
301-600	60	5.3%
>600	5	0.4%
Total	1,128	100.0%

Tehama Co Domestic Wells	MT_Shallow_20%_Option	MT_Shallow_30%_Option	Fall2015_GWE
Dry Wells	165	224	438
Not Dry Wells	813	754	838
Unknown	14	14	111
Total Wells	992	992	992
PercentDry	16.6%	22.6%	4.3%

Glenn Co Domestic Wells	MT_Shallow_20%_Option	MT_Shallow_30%_Option	Fall2015_GWE
Dry Wells	19	28	2
Not Dry Wells	117	108	134
Unknown	0	0	0
Total Wells	136	136	136
PercentDry	14%	20.6%	1.5%

All Domestic Wells	MT_Shallow_20%_Option	MT_Shallow_30%_Option	Fall2015_GWE
Dry Wells	184	252	45
Not Dry Wells	930	862	972
Unknown	14	14	111
Total Wells	1,128	1,128	1,128
PercentDry	16.3%	22.3%	4%

Conclusions and Considerations for GWL SMC

- There are over 1,100 domestic wells in the Subbasin that are less than 30 years old and potentially in use
- Areas of rapid new ag land use expansion to the west may affect some domestic wells
- Further analysis during GSP implementation will provide additional refinement to the domestic well inventory in the Subbasin
- Water level measurement data gaps in the west will be filled to better understand water level fluctuations and trends in the western portion of the subbasin
- A management action will be developed to help educate domestic well owners and provide tools for better well management and a dry well reporting program



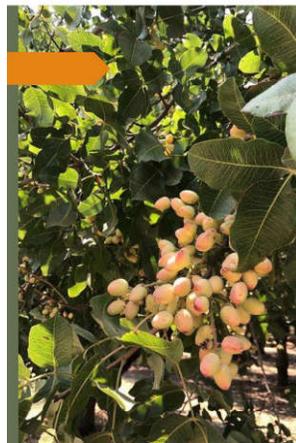
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Chronic Lowering of Groundwater Levels SMC Discussion: Questions and Comments?

- CSAB comments
- Public comments

Recommendation to GSAs?



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Groundwater Level SMC - *Possible Action Items:*

- Recommend to the GSAs that the Minimum Thresholds be set as follows:**
 - Stable wells:** Minimum fall groundwater elevation since 2012 minus 20-foot buffer.
 - Declining wells:** Minimum Fall groundwater elevation since 2012 minus **20% or 30% (pick one)** of minimum groundwater level depth.
- Recommend to the GSAs that the Measurable Objective be set as follows:**
 - Stable wells:** Maximum fall groundwater elevation since 2012
 - Declining wells:** Maximum fall groundwater elevation in 2015
- Recommend to the GSAs that the Undesirable Result be set as follows:**
 - 20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years.
 - If the water year type is dry or critically dry then levels below the MT are not undesirable if groundwater management allows for recovery in average or wetter years.*

Review Draft Reduction in Storage SMC

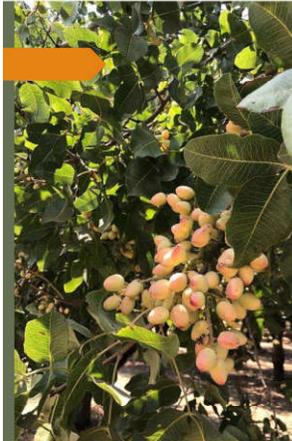
Draft Reduction in Storage SMC

Measurement	Using groundwater levels as a proxy - Calculated based on groundwater levels and general assumptions about groundwater storage coefficients.
Minimum Threshold	Amount of groundwater in storage when groundwater elevations are at their minimum threshold
Measurable Objective	Amount of groundwater in storage when groundwater elevations are at their measurable objective.
Undesirable Result	20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years. <i>If the water year type is dry or critically dry then levels below the MT are not undesirable if groundwater management allows for recovery in average or wetter years.</i>

Reduction in Storage SMC Discussion: Questions and Comments?

- CSAB comments
- Public comments

Recommendation to GSAs?



Review Draft Streamflow Depletion SMC

Draft Streamflow Depletion SMC

Measurement	A subset of shallow wells used for the chronic lowering of groundwater levels.
Minimum Threshold	Same as chronic lowering of groundwater levels.
Measurable Objective	Same as chronic lowering of groundwater levels.
Undesirable Result	Same as chronic lowering of groundwater levels.

Streamflow Depletion SMC Discussion: Questions and Comments?

- CSAB comments
- Public comments

Recommendation to GSAs?

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Review GSP Status and Next Steps



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Upcoming CSAB Meetings and Proposed Topics

Date	Key Meeting Topics	CSAB Meeting Objectives
July 7	<ul style="list-style-type: none"> Review revised list of Projects and Management Actions Introduction to funding mechanisms 	<ul style="list-style-type: none"> Input on revised list of Projects & Management Actions Discussion on potential funding mechanisms
Aug 4	<ul style="list-style-type: none"> Review final list of projects and management actions Re-evaluate funding mechanisms Discuss priority actions for plan implementation Review data gaps 	<ul style="list-style-type: none"> Recommendations on funding mechanisms Input on Plan Implementation and addressing data gaps
Sept 1	<ul style="list-style-type: none"> Review final draft GSP 	<ul style="list-style-type: none"> Approve release of Draft GSP for public review
Oct	<p>Draft Final GSP posted on website for 45-day public review (Sept 10 to Oct 22) – no CSAB meeting; potential public meeting, to be scheduled</p>	
Nov 10	<ul style="list-style-type: none"> Review public comments on GSP 	<ul style="list-style-type: none"> Recommendations on incorporation of policy-based comments Potential recommendations to GSA Boards: Recommendations for Adoption of Groundwater Sustainability Plan to Groundwater Sustainability Agencies

Public comments are solicited at each meeting

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GSP Section Reviews

GSP Section	Status	Review Schedule
1 - Introduction	Draft complete, incorporating comments	Public review draft, Sept. 2021
2 - Plan Area	Draft complete, incorporating comments	Public review draft, Sept. 2021
3 - Basin Setting	Draft complete, incorporating comments	Public review draft, Sept. 2021
4 - Water Budgets	Draft complete, incorporating comments	Public review draft, Sept. 2021
5 - Monitoring Network	Draft in review by GSA staff	CSAB review in June
6 - Sustainable Management Criteria	Draft in review by GSA staff	Complete draft for CSAB review in June
7 - Projects and Management Actions	Draft in progress	Complete draft for CSAB review in July
8 - Plan Implementation	Assembling data gaps; reviewing options for funding mechanisms	Discussion at August meeting; include in Public review draft, Sept. 2021
Executive Summary and Draft GSP		Draft to public: 9/10/2021 (CSAB will review complete draft during public review)

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End of Meeting



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Excerpt From 6/2/21 CSAB Meeting Agenda

CSAB Schedule & Objectives

The Corning Sub-Basin Advisory Board (CSAB) will meet monthly on the first Wednesday of the month from 1:30 to 3:30 pm (4:00 pm starting March 2021). Meetings are planned from April 2020 through approximately December 2021. This meeting schedule outlines the anticipated schedule and the key discussion topics for each meeting. It will be updated to reflect the most current information, as warranted.

Date	Key Meeting Topics	CSAB Meeting Objectives
2020		
Apr	<ul style="list-style-type: none"> • CSAB Overview • GSP Development • Groundwater Data • Overview of Data Management System and Model • Sustainable Management Goal Example • Interests & Concerns 	<ul style="list-style-type: none"> • Provide background on Corning GSP framework • Collection of groundwater data • Collection of interests • Introduce potential Sustainability Goal for Subbasin • Public Comment
June	<ul style="list-style-type: none"> • Draft Hydrogeologic Conceptual Model and groundwater conditions • Modeling platform selection • GSP review process 	<ul style="list-style-type: none"> • CSAB Recommendations and questions for Hydrogeologic Conceptual Model and Groundwater Conditions • Make a recommendation on model platform to use for GSP work • Public Comment
July	<ul style="list-style-type: none"> • Current and Historical draft Water Budgets • Model overview • Potential management areas 	<ul style="list-style-type: none"> • Review of what is perceived as historic and current unsustainable groundwater use based on water budget • Public Comment

Aug	<ul style="list-style-type: none"> Monitoring Networks Overview of Sustainable Management Criteria and approach to development Draft Sustainability Goal 	<ul style="list-style-type: none"> Answer questions on monitoring networks Gather initial feedback on process for developing SMCs Discuss Sustainability Goal Public Comment
Sept	<ul style="list-style-type: none"> Groundwater Level SMC discussion #1 - background on Groundwater Levels SMC Proposed approaches for MT and MO 	<ul style="list-style-type: none"> Input on proposed approaches for MT and MO development Public Comment
Oct 7	<ul style="list-style-type: none"> Groundwater Level SMC discussion #2 - proposed groundwater level MT and MO Initial Discussion on Potential Projects and Management Actions 	<ul style="list-style-type: none"> Recommendations on proposed groundwater level MT and MO Input on Projects and Actions Public Comment
Nov 4	<ul style="list-style-type: none"> Integrated Model Updates Overview of current, historical and projected water budgets 	<ul style="list-style-type: none"> Answer questions on modeling and water budgets Public Comment
Dec 2	<ul style="list-style-type: none"> Open Discussion on GSP Sections 1 and 2 	<ul style="list-style-type: none"> Receive feedback on Draft GSP Sections 1 and 2 provided and available on Corning GSP website Answer any additional GSP questions
2021 - Proposed		
Jan 6	<ul style="list-style-type: none"> Open Discussion on GSP Section 3 	<ul style="list-style-type: none"> Receive feedback on Draft GSP Section 3 provided and available on Corning GSP website Answer any additional GSP questions
Feb 3	<ul style="list-style-type: none"> Depletion of interconnected surface water SMC discussion #1 - background on Subbasin streams and introduction to SMC Overview of Groundwater Dependent Ecosystems (GDEs) approach Land subsidence SMC discussion #1 - background on Subbasin conditions and introduction to SMC 	<ul style="list-style-type: none"> Input on significant and unreasonable conditions and initial discussion on MT development Public Comment
Mar 3	<ul style="list-style-type: none"> Depletion of interconnected surface water SMC discussion #2 - review SMC approaches Land subsidence SMC discussion #1 - review SMC approaches 	<ul style="list-style-type: none"> Input on proposed approaches for MT and MO development Discussion of undesirable results Potential recommendations to GSA Boards for Lowering of GWLs SMC <i>Public Comment</i>
Apr 7	<ul style="list-style-type: none"> Land subsidence SMC discussion #2 - review SMC approaches Review projected water budgets and GSP requirements; introduction to storage SMC Initial discussion on potential projects and management actions 	<ul style="list-style-type: none"> Input on significant and unreasonable conditions and initial discussion on MT development Potential recommendations to GSA Boards for subsidence SMC Input on potential projects and management actions <i>Public Comment</i>
May 5	<ul style="list-style-type: none"> Discussions and development of SMCs for Groundwater Quality Review SMC approaches for Interconnected SW depletion SMC Continue discussion on projects and management actions 	<ul style="list-style-type: none"> Input on significant and unreasonable conditions and initial discussion on SMC development <i>Public Comment</i>

June 2	<ul style="list-style-type: none"> Recap SMC for all sustainability indicators 	<ul style="list-style-type: none"> Potential recommendations to GSA Boards on groundwater levels, storage, water quality, subsidence, and depletion of interconnected surface water SMC <i>Public Comment</i>
July 7	<ul style="list-style-type: none"> Revised List of Projects & Management Actions Introduction to funding mechanisms 	<ul style="list-style-type: none"> Input on revised list of Projects & Management Actions Discussion on potential funding mechanisms <i>Public Comment</i>
Aug 4	<ul style="list-style-type: none"> Review final list of projects and management actions Re-evaluate funding mechanisms Discuss priority actions for plan implementation Review data gaps 	<ul style="list-style-type: none"> Recommendations on funding mechanisms Input on Plan Implementation and addressing data gaps <i>Public Comment</i>
Sept 1	<ul style="list-style-type: none"> Review final draft GSP 	<ul style="list-style-type: none"> Approve release of Draft GSP for public review
Oct	<i>Draft Final GSP posted on website for public review – no CSAB meeting; potential public meeting, to be scheduled</i>	
Nov 10	<ul style="list-style-type: none"> Review public comments on GSP 	<ul style="list-style-type: none"> Recommendations on incorporation of policy-based comments Potential recommendations to GSA Boards
Dec	<ul style="list-style-type: none"> Recommendation for Adoption of Groundwater Sustainability Plan to Groundwater Sustainability Agencies 	<ul style="list-style-type: none"> Recommendations for Adoption of Groundwater Sustainability Plan to Groundwater Sustainability Agencies <i>Public Comment</i>

Acronyms:

- CSAB: Corning Subbasin Advisory Board
- GSA: Groundwater Sustainability Agency
- GSP: Groundwater Sustainability Plan
- GWL: Groundwater level
- MT: Minimum Threshold
- MO: Measurable Objective
- RMP: Representative Monitoring Plan
- SGMA: Sustainable Groundwater Management Act
- SMC: Sustainable Management Criteria
- UR: Undesirable Result

7. Sustainable Management Criteria

- a. ***Consider approval of CSAB recommendation to GSAs on Degraded Water Quality Sustainable Management Criteria**
- b. ***Consider approval of CSAB recommendation to GSAs on Land Subsidence Sustainable Management Criteria**
- c. ***Consider approval of CSAB recommendation to GSAs on Chronic Lowering of Groundwater Levels Sustainable Management Criteria**
- d. ***Consider approval of CSAB recommendation to GSAs on Reduction in Groundwater Storage Sustainable Management Criteria**
- e. ***Consider approval of CSAB recommendation to GSAs on Depletion of Interconnected Surface Water Sustainable Management Criteria**

At the June 2, 2021, CSAB meeting, the CSAB voted on recommendations for all five applicable Sustainability Indicators: Degraded Water Quality, Land Subsidence, Chronic Lowering of Groundwater Levels, Reduction in Groundwater Storage, and Depletion of Interconnected Surface Water. CSAB recommendations were presented during Item 6 and summarized in the attached table.

Attachments:

- Corning Subbasin GSP Sustainable Management Criteria Summary-Recommended by CSAB June 2, 2021

Corning Subbasin GSP Sustainable Management Criteria Summary – Recommended by CSAB June 2, 2021

Sustainability Indicator	Measurement	Minimum Threshold (MT)	Measurable Objective (MO)	Interim Milestones	Undesirable Result (UR)
Chronic lowering of groundwater levels	Annual fall groundwater elevation measured in representative monitoring well network by County or DWR.	<u>Stable wells</u> : Minimum fall groundwater elevation since 2012 minus 20-foot buffer. <u>Declining wells</u> : Minimum Fall groundwater elevation since 2012 minus 20% of minimum groundwater level depth.	<u>Stable wells</u> : Maximum fall groundwater elevation since 2012. <u>Declining wells</u> : Maximum fall groundwater elevation in 2015.	To be determined	20% of groundwater elevations measured at RMP wells drop below the associated minimum threshold during 2 consecutive years. If the water year type is dry or critically dry then levels below the MT are not undesirable if groundwater management allows for recovery in average or wetter years.
Reduction in groundwater storage	Using groundwater levels as a proxy - Calculated based on groundwater levels and general assumptions about groundwater storage coefficients.	Amount of groundwater in storage when groundwater elevations are at their minimum threshold.	Amount of groundwater in storage when groundwater elevations are at their measurable objective.	To be determined	Same as chronic lowering of groundwater levels.
Degraded groundwater quality	Annual TDS measured by water providers at public supply wells in the Subbasin.	TDS concentration of 750 mg/L at public supply wells.	California lower limit SMCL concentration for TDS of 500 mg/L measured at public supply wells.	Identical to current conditions	At least 25% of representative monitoring sites exceed the minimum threshold for water quality for 2 consecutive years at each well where it can be established that GSP implementation is the cause of the exceedance.
Land Subsidence	Inelastic land subsidence measured by InSAR data available from DWR, and periodic measurements at the DWR survey monuments.	No more than 0.5 feet of cumulative subsidence over a five-year period (beyond the measurement error), solely due to lowered groundwater elevations.	Zero inelastic subsidence, in addition to any measurement error. If InSAR data are used, the measurement error is 0.1 ft and any measurement of 0.1 ft or less would not be considered inelastic subsidence.	Identical to current conditions	Any exceedance of a minimum threshold that is irreversible and caused by lowering groundwater elevations.
Depletion of interconnected surface water	A subset of shallow wells used for the chronic lowering of groundwater levels, consisting of DWR observation wells near streams.	Same as chronic lowering of groundwater levels.	Same as chronic lowering of groundwater levels.	Identical to current conditions	Same as chronic lowering of groundwater levels.

8. * Consider authorizing the CSAB to approve releasing the complete draft Corning Subbasin Groundwater Sustainability Plan once developed

The timeline for GSP development was presented during Item 6. The complete draft Corning Subbasin GSP is expected to be released on September 10, 2021 following the September CSAB meeting. The CSGSA may consider authorizing the CSAB to approve releasing the complete draft Corning Subbasin GSP in order to expedite the review process. Once released, members of the public, as well as CSAB, GSAs, and member agencies will be able to review and provide comments on the complete draft GSP.

9. Inter-basin Coordination

a. Receive update and provide input on Inter-basin Coordination efforts in the Northern Sacramento Valley

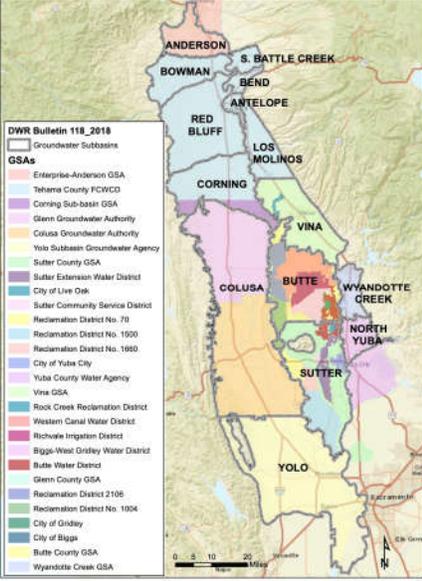
Staff from the Antelope, Bowman, Butte, Colusa, Corning, Los Molinos, Red Bluff, Sutter, Vina, Wyandotte Creek, and Yolo subbasins continue to meet to discuss inter-basin coordination. GSAs are working together to establish a framework for inter-basin coordination throughout GSP implementation. Staff began initial discussion related to desired outcomes, shared concerns, and foundational pillars for long-term inter-basin coordination. These pillars will serve as a menu of options for collaboration. The Consensus Building Institute (CBI) will provide a presentation updating the committee and seeking input about the process so far.

More information can be found on a webpage hosted by Butte County at:

<https://www.buttecounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act/Inter-basin-Coordination>

Attachments:

- Northern Sacramento Valley Interbasin Coordination Slides



DWR Bulletin 118_2018
Groundwater Subbasins

GSA's

- Enterprise-Anderson GSA
- Thames County FCWCD
- Corning Sub-Basin GSA
- Glenn Groundwater Authority
- Colusa Groundwater Authority
- Yolo Subbasin Groundwater Agency
- Sutter County GSA
- Sutter Extension Water District
- City of Live Oak
- Sutter Community Service District
- Reclamation District No. 70
- Reclamation District No. 1900
- Reclamation District No. 1980
- City of Yuba City
- Yuba County Water Agency
- Vina GSA
- Rock Creek Reclamation District
- Western Canal Water District
- Richvale Irrigation District
- Biggs-West Gridley Water District
- Butte Water District
- Glenn County GSA
- Reclamation District 2106
- Reclamation District No. 1904
- City of Gridley
- City of Biggs
- Butte County GSA
- Wyandotte Creek GSA

Inter-basin Coordination Efforts Update & Recommendations | Northern Sacramento Valley

Antelope | Bowman | Butte | Colusa | Corning | Los Molinos | Red Bluff | Sutter | Vina | Wyandotte Creek | Yolo

Presentation by Mariana Rivera-Torres
mriveratorres@cbi.org
Corning Subbasin GSA Committee
6/9/2021



Inter-Basin Coordination Importance

- Many groundwater subbasins are hydrologically connected to some extent in the Northern Sacramento Valley.
- Water management decisions in one basin (e.g. groundwater pumping) and processes such as climate change could change aquifer conditions and affect flows to other basins.
- Understanding and accounting for these processes (e.g. cross-boundary flows) in the development and implementation of Groundwater Sustainability Plans will be key to successfully implementing the Sustainable Groundwater Management Act (SGMA).
- Longstanding history of regional coordination. Shared interests and potential for mutually beneficial outcomes (avoid impacting adjoining subbasins, coordinate on projects, collaborate on approaches to solve shared issues, foster communication across boundaries).



Overview of Facilitation Support

Inter-basin Coordination

- Funded by DWR Facilitation Support Services
- Facilitated by Tania Carlone and Mariana Rivera-Torres, Consensus Building Institute
- Working with staff of GSAs in about 11 subbasins since spring 2020



Find more information about regional inter-basin coordination at:

[ButteCounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act/Inter-basin-Coordination](https://www.buttecounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act/Inter-basin-Coordination)



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Inter-basin Coordination Efforts

Subbasins Participating

Subbasin	GSA(s)	Website
Antelope	Tehama County Flood Control and Water Conservation District (FCWCD)	Website
Bowman	Tehama County FCWCD	Website
Butte	Biggs West Gridley WD, Butte County, Butte WD, City of Biggs, City of Gridley, Colusa Groundwater Authority, Glenn County, RD 1004, RD 2106, Richvale ID, Western Canal WD	Website
Los Molinos	Tehama County FCWCD	Website
Red Bluff	Tehama County FCWCD	Website
Corning	Corning Sub-basin GSA, Tehama County FCWCD	Website
Colusa	Glenn Groundwater Authority; Colusa Groundwater Authority	Websites (Glenn) (Colusa)
Sutter	Butte WD, City of Live Oak, Sutter Community Service District, Sutter County, Sutter Extension Water District, RD 70, RD 1660, RD 1500, Yuba City	Website
Vina	Rock Creek Reclamation District, Vina GSA	Websites (Vina) (RCDC)
Wyandotte Creek	Wyandotte Creek GSA	Website
Yolo	Yolo Subbasin Groundwater Agency	Website

While efforts have mainly focused on the subbasins identified above, we will also be coordinating, as warranted, with other subbasins to the north and south (Anderson, Bend North Yuba, and South Battle Creek).

Inter-basin Coordination Efforts- To Date

The diagram is a horizontal timeline with three stages, each represented by a teal-colored L-shaped graphic pointing to the right. The stages are: Summer 2020, August-December 2020, and January-June 2021. Each stage contains a text box describing the activities during that period.

Summer 2020
Assist GSAs identify and share technical and general information based on Inter-basin Agreement criteria (GSP regs sec. 357.2).

August-December 2020
Focus on information sharing template for models, cross-boundary flows, stream interactions.

January-June 2021
Focus shifted to establishing framework for long term regional coordination and dialogue while neighboring subbasins continue informal coordination discussions.



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The purpose of today's presentation

- Provide an update on the process of developing recommendations for an inter-basin coordination framework
- Receive feedback on the direction of this effort



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Developing Framework for Inter-basin Coordination

1. Priorities and desired outcomes

- During GSP Development (now)
- Near-term (5-year GSP update)
- Long term -throughout GSP implementation

2. Foundational Pillars

3. Draft Inter-basin Coordination Framework

Staff Inter-basin Coordination Meetings

- Staff discussions facilitated by CBI

GSA Public Venues

- Input from stakeholders through subbasin-specific existing venues, advisory committees, and boards.

Draft Long-term Inter-basin Coordination Framework Pillars – Menu of Options

- 1. Information-sharing (ongoing)**
 - Changed conditions
 - Annual and interim progress reports
 - Data and technical information (work towards shared data across basin boundaries)
- 2. Joint Analysis & Evaluation (near and long term)**
 - Compare contents of GSPs
 - Identify significant differences & uncertainties
 - Identify issues of concern
- 3. Communication, Coordination, and Collaboration on Mutually Beneficial Activities (ongoing, near and long-term)**
 - Examples: joint monitoring, regional modeling, efforts to address data gaps at subbasin boundaries
 - Collectively pursue funding and collaborate on mutually agreed upon projects
 - Leverage existing regional collaboratives (e.g., NSV IRWM)
- 4. Communication and Outreach (ongoing)**
 - Collaborate on regional public engagement strategies that promote consistent messages, awareness of groundwater sustainability, enhance public trust, and establish foundation for long-term collaboration
- 5. Non-binding** – Commitment to honor the individual authorities of GSAs

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Next Steps

Inter-basin Coordination Framework

- CBI & GSA staff are drafting a report outlining framework for inter-basin coordination. GSA staff are soliciting input and will share back at the following staff-level meeting.
- Elements for further discussion:
 - Issue resolution process: CBI will bring examples of dispute resolution processes for consideration at the next staff-level meeting
 - Other topics: the scale of coordination; communication between and among GSA decision-making bodies
- CBI will incorporate feedback into draft report, which will be presented for consideration by GSA Boards and for public input through existing public venues, such as advisory committees, groundwater commissions, and at GSA board meetings.

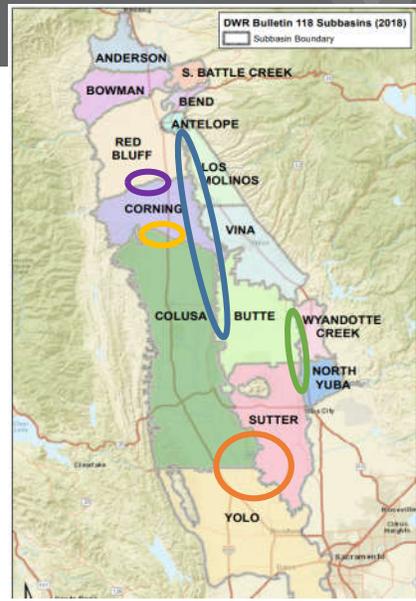


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Proposed Coordination Groups

[Focused on Boundaries with a River/Creek]

- **North Sac River Corridor**- Los Molinos, Red Bluff, Corning, Vina, Butte, Colusa)
- **Feather River Corridor**- Butte, Wyandotte Creek, North Yuba, Sutter
- **South Sac Corridor**- Colusa, Sutter, Yolo
- **Stony Creek**- Corning, Colusa
- **Thomes Creek**- Red Bluff, Corning



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We want to hear from you

- What are your thoughts and impressions about the draft pillars for long-term inter-basin coordination?
- From your perspective, what are the most important outcomes for inter-basin coordination in SGMA?
- What are concerns or issues you would like to have considered?



PRIORITIES



TIMING



11

Learn More & Get Involved



Receive Updates

Sign up for your GSA's interested parties list.



Contact Your GSA

Talk to your GSA representative



Attend Meetings

Attend public workshops, Advisory Board, and GSA Board meetings



Find more information about regional inter-basin coordination at:

ButteCounty.net/waterresourceconservation/Sustainable-Groundwater-Management-Act/Inter-basin-Coordination



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Questions?



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Mariana Rivera-Torres
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Consensus Building Institute



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About CBI

CBI is a nonprofit organization with decades of experience helping leaders collaborate to solve complex problems.

Our staff are experts in facilitation, mediation, capacity building, citizen engagement, and organizational strategy and development. We are committed to using our skills to build collaboration on today's most significant social, environmental, and economic challenges. We work within and across organizations, sectors, and stakeholder groups.

FOR MORE INFORMATION: CBI.ORG

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10. Corning Sub-basin GSA Committee Member Reports and Comments

Members of the CSGSA Committee are encouraged to share information, reports, comments, and suggest future agenda items. Action cannot be taken on matters brought up under this item.

11. Next Meeting

The next meeting will be **July 14, 2021, at 9:30 am.**

12. Adjourn

The meeting will be adjourned.