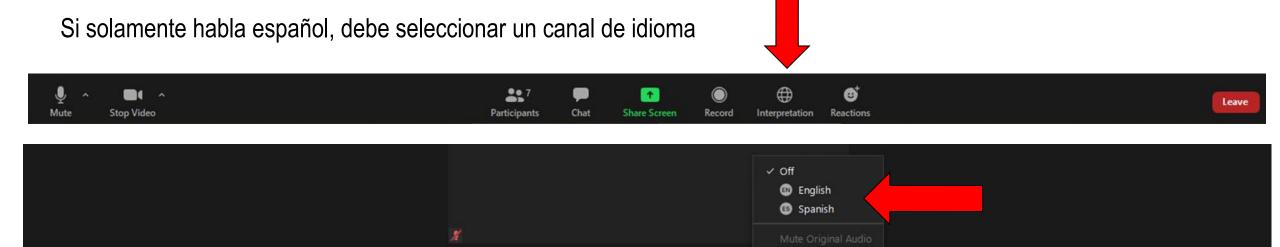


Welcome, Instructions for Zoom Bienvenidos, Instrucciones para Zoom

We have two language audio channels available. English only speakers, please select English.



Reactions

The meeting will have simultaneous interpreting, so you are welcome to comment in your native language. La junta será interpretada simultáneamente, así que le invitamos a que haga comentarios en su lenguaje nativo.

Welcome, Instructions for Zoom

- We are beginning the meeting with everyone on mute.
- Please keep yourself muted until called upon and asked to unmute.
- We recommend that you view in "Gallery View" to see the project team and Stakeholder Committee members.
- If you have comments, please use the "Raise Hand" feature:
 - Stakeholder Committee: during discussion time
 - Members of the Public: during Public Comment or when the moderator asks for public comments.
- The moderator will call on you to unmute.
- If you cannot hear the host or have technical issues, use the Chat to Host and we will try to address the issue.

Stakeholder Advisory Committee Members

Please keep your video on whenever possible.

















Participants (2)

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Stakeholder Advisory Committee June 1 Agenda

- 1. Call to Order and Welcome
- 2. Introductions and Roll Call
 - a) Review of Agenda and Meeting Guidelines, Charles Gardiner
- 3. Drought Check-in
- 4. Potential Revisions to the Groundwater Sustainability Plan
 - a) Groundwater levels
 - b) Subsidence
 - c) Domestic well mitigation
 - d) Adoption / public input opportunities
- 5. GSA Reports
 - a) Merced Subbasin GSA, Adriel Ramirez
 - b) Merced Irrigation-Urban GSA, Matt Beaman
 - c) Turner Island Water District GSA #1, Kel Mitchel
 - d) SAC questions and discussion
- 6. Public Comment
- 7. Next Steps and Adjourn



Stakeholder Advisory Committee Members

resent	Committee Member	Interest/Affiliation	Present	Alternate	Interest/Affiliation
	Arlan Thomas	MIDAC member		Ben Migliazzo	Live Oak Farms
	Bob Kelley	Stevinson Representative		Blake Nervino	Stevinson/Merquin
	Breanne Ramos	MCFB			
	Craig Arnold	Arnold Farms			
	Darren Olguin	Resident of Merced County			
	Dave Serrano	Serrano Farms - Le Grand			
	David Belt	Foster Farms			
	Emma Reyes	Martin Reyes Farm/Land Leveling			
	Greg Olzack	Atwater Resident			
	Jean Okuye	E Merced RCD			
	Joe Sansoni	Sansoni Farms/MCFB			
	Joe Scoto	Scoto Brothers/McSwain School Dist.			
	Jose Moran	Livingston City Council			
	Lacy Carothers	Cal Am Water			
	Lisa Baker	Clayton Water District		Annal College of the	
	Lisa Kayser-Grant	Sierra Club			
	Mark Maxwell	UC Merced			
	Maxwell Norton	Unincorporated area			
	Nav Athwal	TriNut Farms			
	Olivia Gomez	Community of Planada		Nataly Escobedo Garcia	Leadership Counsel
	Parry Klassen	ESJWQC		174	
	Darcy Brown	River Partners			
	Rick Drayer	Merced/Mariposa Cattlemen			
	Robert Weimer	Weimer Farms			
	Simon Vander Woude	Sandy Mush MWC			
	Susan Walsh	City of Merced		Bill Spriggs	Resident City of Merced
	Thomas Dinwoodie	Master Gardener/McSwain			
	Trevor Hutton	Valley Land Alliance			
	Wes Myers	Merced Grassland Coalition		Lou Myers	Benjamin Land LP

Stakeholder Advisory Committee Meeting Agreements Guidelines for successful meetings

- Civility is required.
 - Treat one another with courtesy and respect.
 - Be honest, fair, and as candid as possible.
 - Personal attacks and stereotyping are not acceptable.
- Creativity is encouraged.
 - Think outside the box and welcome new ideas.
 - Build on the ideas of others to improve results.
 - Disagreements are problems to be solved rather than battles to be won.
- Efficiency is important.
 - Participate fully, without distractions.
 - Respect time constraints and be succinct.
 - Let one person speak at a time.
- Constructiveness is essential.
 - Take responsibility for the group as a whole and ask for what you need.
 - Enter commitments honestly and keep them.



Topics Covered at April Stakeholder Advisory Committee

1) DWR GSP Comments

- a) Groundwater levels minimum threshold & modeled pumping reductions
- b) Subsidence minimum threshold

Reminder: Slides, notes, and all GSP documents are publicly available at www.mercedsgma.org





Drought check-in

Discussion/feedback from the SAC on any current/ongoing experiences during the drought





Potential Revisions to the Groundwater Sustainability Plan



DWR GSP Comments Overview

- Chronic lowering of groundwater levels / domestic well impacts
- Land subsidence

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Merced GSP Plan Manager 744 W. 20th Street Merced, CA 95340

RE: Incomplete Determination of the 2020 Merced Subbasin Groundwater Sustainability

Dear Hicham Eltal.

The Department of Water Resources (Department) has evaluated the groundwater sustainability plan (GSP) submitted for the Merced Subbasin (Subbasin) and has determined that the GSP is incomplete. The Department based its determination on recommendations from the Staff Report, included as an enclosure to the attached Statement of Findings, which describes that the Merced Subbasin GSP does not satisfy the objectives of the Sustainable Groundwater Management Act (SGMA) nor substantially comply with the GSP Regulations. The Staff Report also provides corrective actions which the Department recommends to address the identified

The Subbasin's Groundwater Sustainability Agencies (GSAs) have 180 days, the maximum allowed by GSP Regulations, to address the identified deficiencies. Where addressing the deficiencies requires modification of the GSP, the GSAs must adopt those modifications into the Subbasin's GSP or otherwise demonstrate that those modifications are part of the GSP before resubmitting it to the Department for evaluation no later than July 27, 2022 The Department understands that much work has occurred to advance sustainable groundwater management since the GSAs submitted the GSP in January 2020. To the extent to which those efforts are related or responsive to the Department's identified deficiencies, we encourage you to document that as part of your resubmittal. The Department prepared a Frequently Asked Questions document to provide general information and guidance on the process of addressing deficiencies in

Department staff will work expeditiously to review the revised components of your GSP resubmittal. If the revisions address the identified deficiencies, the Department will determine that the GSP is approved. In that scenario, Department staff will identify additional recommended corrective actions that the GSAs should address early in implementing their GSP (i.e., no later than the first required periodic evaluation). Among other items, those recommendations will include for the GSAs to provide more detail on

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Groundwater Level Sustainable Management Criteria

Three Discussions Today:

- Minimum thresholds direction from the GSAs
 - Groundwater levels
 - Subsidence
- Modifications for consistency with minimum thresholds:
 - Measurable objectives
 - Interim milestones
- New Management Actions
 - Subsidence
 - Domestic well mitigation



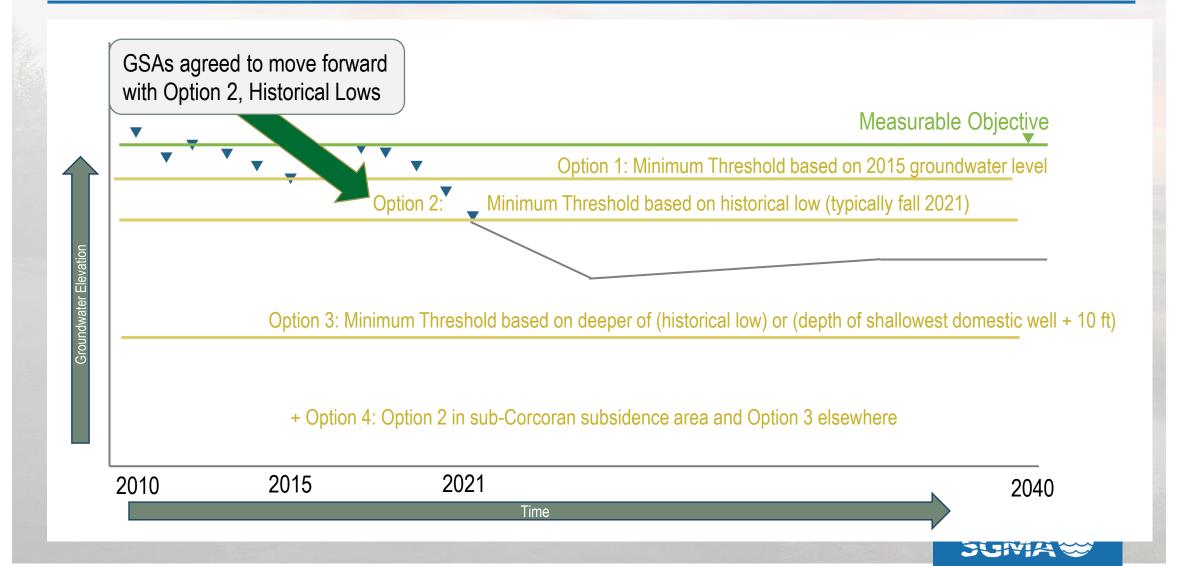


Groundwater Level Minimum Threshold – GSA Direction

- Considered input from the committees along with other information
- Decided to pursue the historical lows as the minimum threshold approach
 - Incorporating a domestic well mitigation program, with primary financial responsibility with MSGSA
 - Incorporating a management action to explore different levels above Corcoran in the subsidence area for more flexibility in responding to subsidence issues



Potential Minimum Threshold Options Evaluated



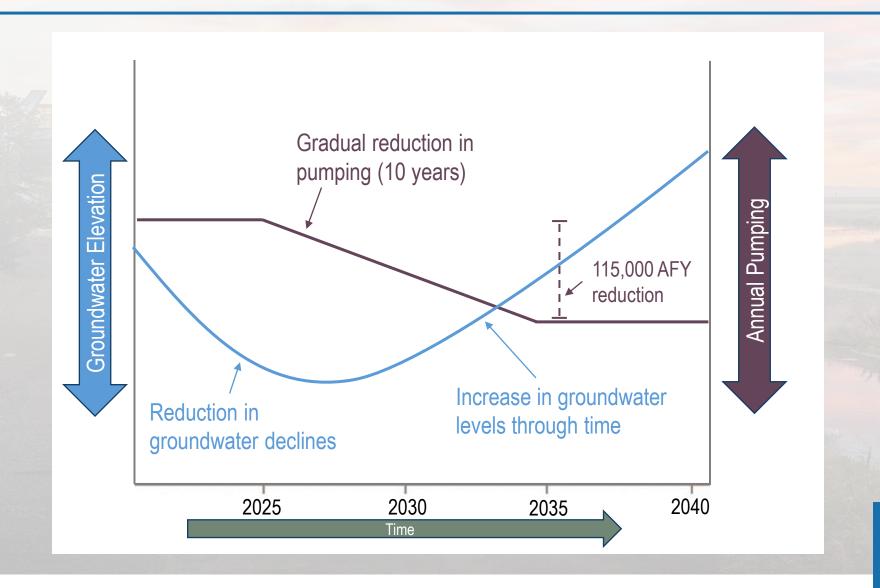
Potential Minimum Threshold Options Evaluated

(Copy of table from 4/25 meeting)

	Basis	Average Pumping Reduction	Complies with Groundwater Level Minimum Thresholds?	Long-Term Change in Storage, Below Corcoran Subsidence Area (over 50 years)	Minimum Annual Change in Storage, Below Corcoran Subsidence Area	Long-Term Change in Storage, Whole Basin (over 50 years)	
0	Baseline (no pumping reductions)		0 AFY (0.0%)	No	-47,000 AF	-100,000 AF	-1,000,000 AF
GSP	Sustainable Yield Scenario published in basinwide storage change)	66,000 AFY 10.7%	No	+30,000 AF	-36,000 AF	~0 AF	
А	2015 groundwater levels	175,000 AFY 28.3%	Yes	+110,000 AF	+16,000 AF	+1,800,000 AF	
В	Historical low groundwater levels	GSAs agreed to move forward with Historical Lows	115,000 AFY 18.6%	Yes	+70,000 AF	+1,000 AF	+900,000 AF
С	Historical lows in subsidence area Domestic well depths + 10 feet elsewhere O long-term storage change in subsidence area		70,000 AFY 11.4%	Yes	+30,000 AF	-40,000 AF	+200,000 AF
D*	Historical lows in subsidence area Domestic well depths + 10 feet elsewho Avoiding negative storage at any time area	115,000 AFY 18.6%	Yes	+70,000 AF	+1,000 AF	+900,000 AF	

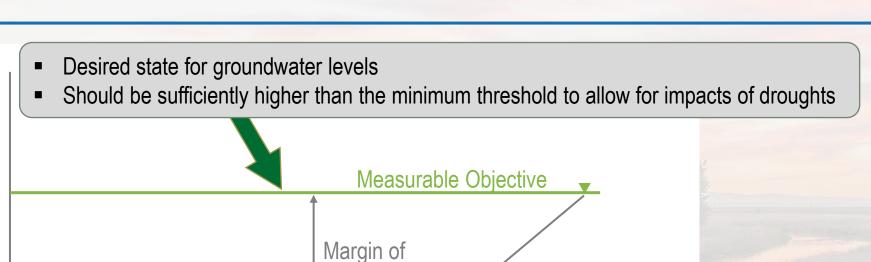
*Same model run as B

Conceptual Scenario - Pumping vs Groundwater Levels Diagram





Groundwater Level Measurable Objective



Operational

Flexibility

Current Condition

Interim Milestones

Minimum Threshold

Undesirable Results

Groundwater levels down here for 25% of representative monitoring wells for 2 yrs

Time in Years

10

- Previously based on average simulated conditions under sustainable conditions
- New definition of minimum threshold requires reconsideration of measurable objectives



roundwater Elevation

Measurable Objective Approach



Groundwater Elevation

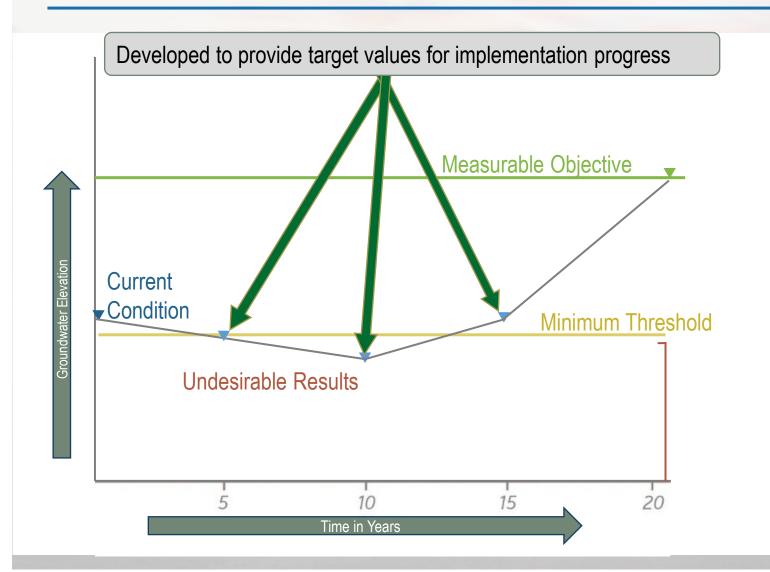
Minimum Threshold

Develop to provide operational flexibility – room to fall before hitting minimum thresholds Levels based on

Historical levels and recent drought experience (2011, 2012, 2017, etc.) Model simulation and achievability

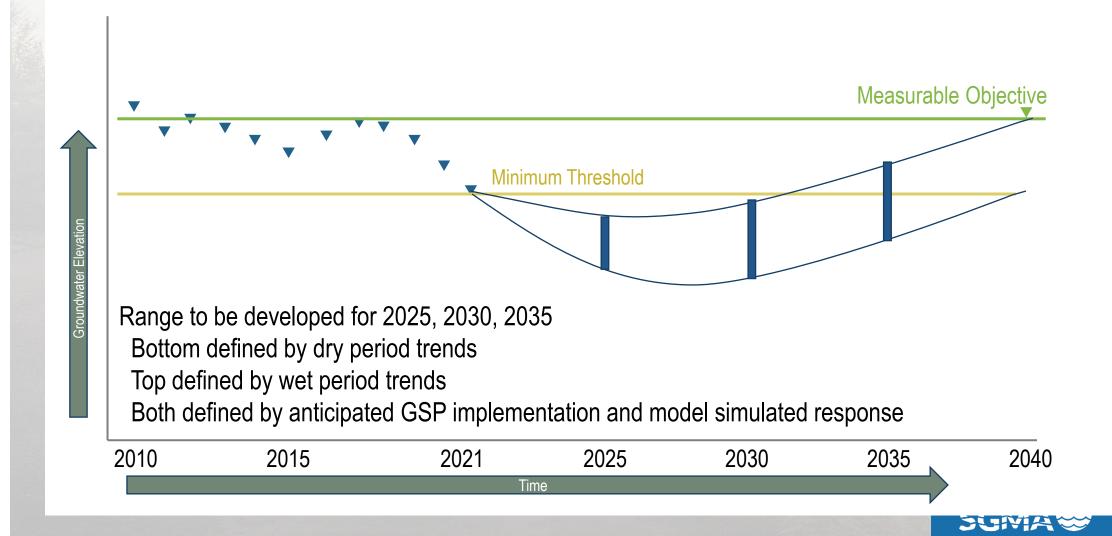
2010 2015 2021 2025 2030 2035 2040

Groundwater Level Interim Milestones





Interim Milestone Approach



Subsidence Sustainability Management Criteria

- Minimum threshold option: 0 ft/yr with consideration of uncertainty
- Other options:
 - Total subsidence instead of rate
 - Addition of a 5-year rolling average or similar
- Measurement error
 - GPS observations from the USBR network have a +/- 2.5 cm (~1 inch) vertical accuracy
 - Measurement error issue to be discussed with DWR
- Other option (groundwater levels as proxy) would involve more rework of the section which is currently based on subsidence rate



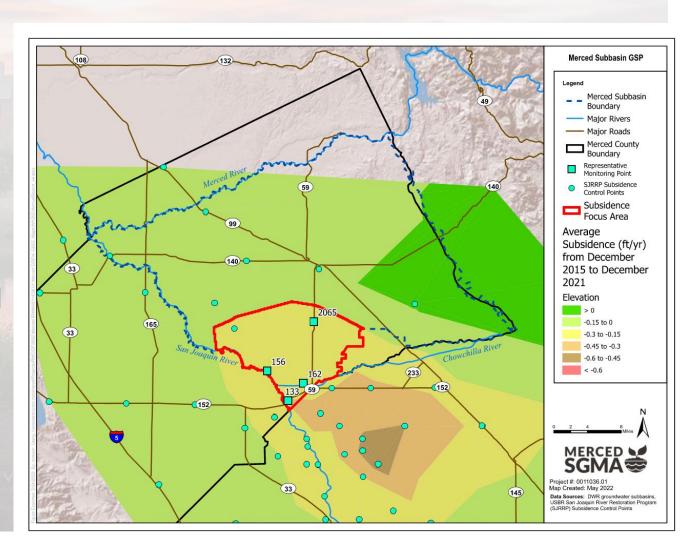
Subsidence Sustainability Management Criteria

- Measurable objective option: 0 ft/yr
- Interim Milestones will assume some level of subsidence through 2040 residual and new



Management Action for Subsidence Area

- Goal: Target pumping reduction (or recharge activities) within Subsidence Focus Area to achieve positive annual storage change (defined by region with 2015-2021 average <-0.15 ft/yr)
- Exact details to be developed as part of the management action determined after GSP is updated



Management Action for Domestic Well Mitigation Program

- Management action to develop a Domestic Well Mitigation Program
- Identify need for the program during GSP implementation
- Envisions a board or committee reviewing claims
- Claims would need to be tied to regional groundwater conditions
- Primary financial responsibility with MSGSA, through negotiations
- Details to be developed



Adoption Process and Opportunities for Input

Week Starting	5/15	5/22	5/29	6/5	6/12	6/19	6/26	7/3	7/10	7/17	7/24
GWL SMC updates											
Subsidence SMC updates											
Prepare updated GSP redline											
GSA staff & CC review											
Comments incorporation											
Board review and adoption							^				
CC/SAC Meetings			*				X				
DWR Meetings											
Submit updated GSP to DWR											
Project Management											





GSA Reports

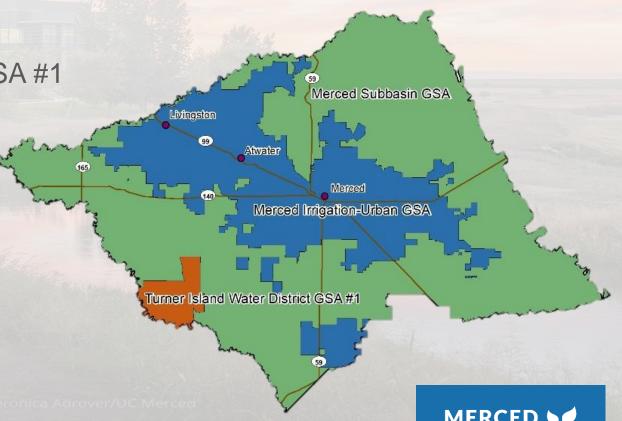
Updates from each GSA on activities they are undertaking in their own jurisdiction:

Merced Subbasin GSA

Merced Irrigation-Urban GSA

Turner Island Water District GSA #1

SAC questions & discussion







What's coming up next?

- Adjourn to next Stakeholder Advisory Committee meeting: tentatively June 27, 2022
 - Revised GSP content based on today's feedback



