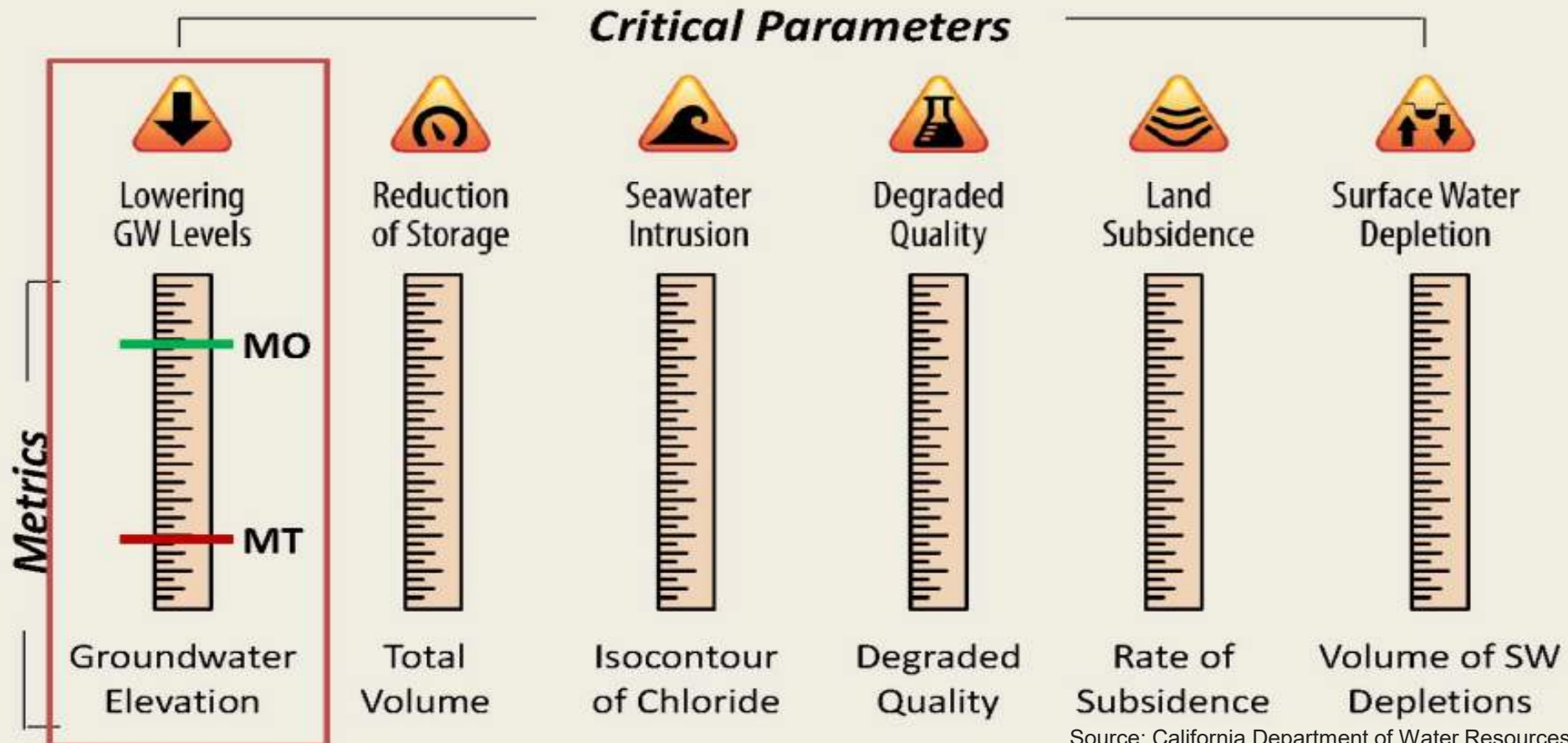


# Tracy Subbasin Public Workshop

## Sustainable Groundwater Management Criteria

January 21, 2021



# Meeting Format and Webinar Instructions

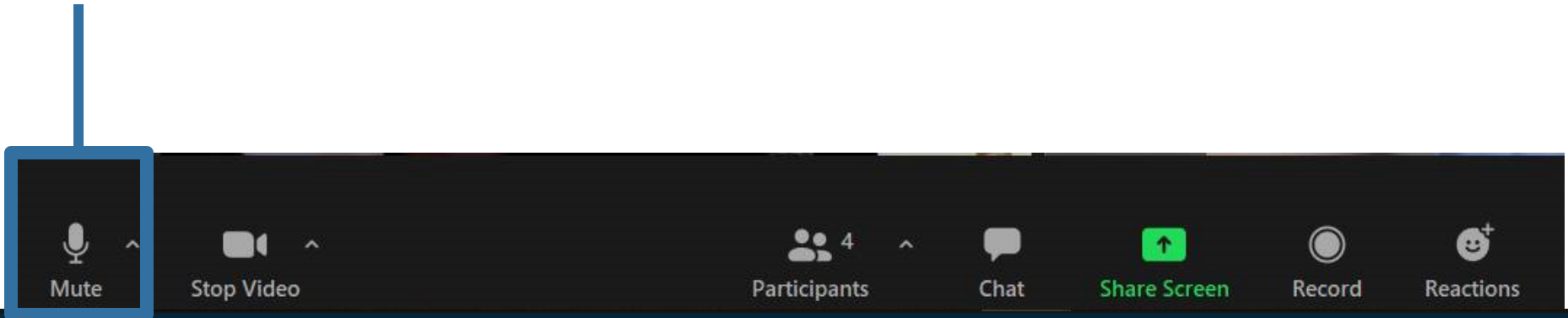
# Audio Options

Mute and unmute yourself.

Adjust your audio options (microphone and speaker).

Switch to phone audio.

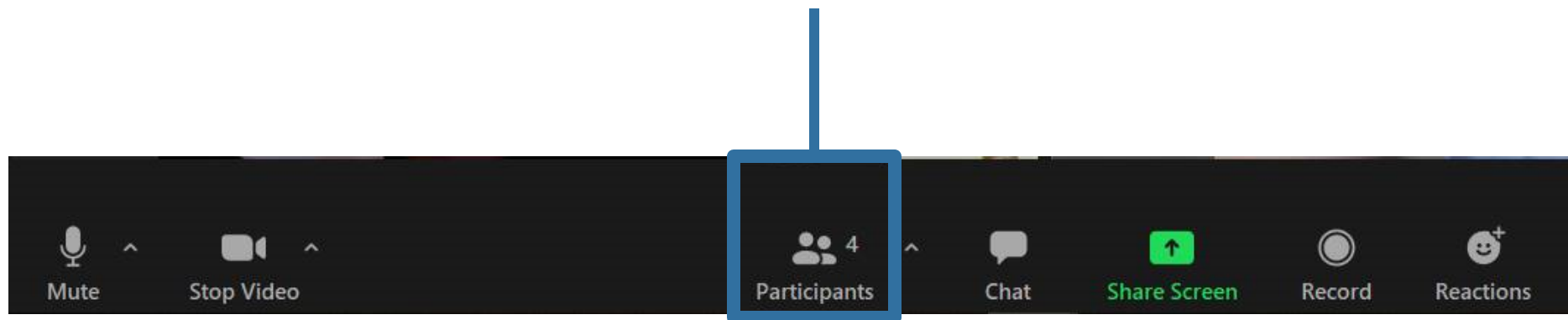
Note: All participant microphones will be muted while the speaker is presenting.



# Participants

View other participants.

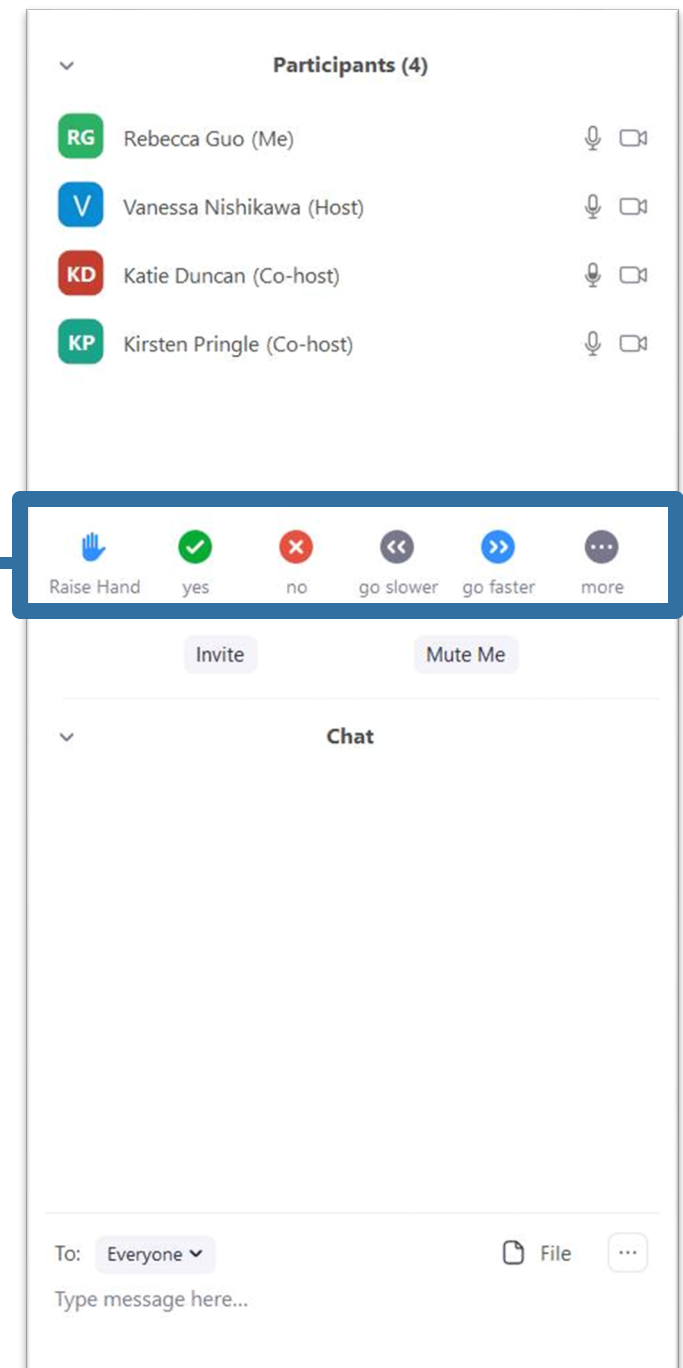
Provide non-verbal feedback.



# Provide Nonverbal Feedback

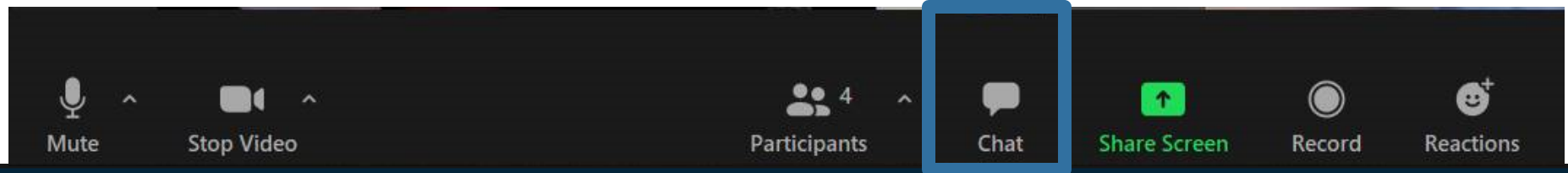
Provide nonverbal feedback in the Participants Window.

The feedback will be visible to both the hosts and other meeting participants.



# Chat

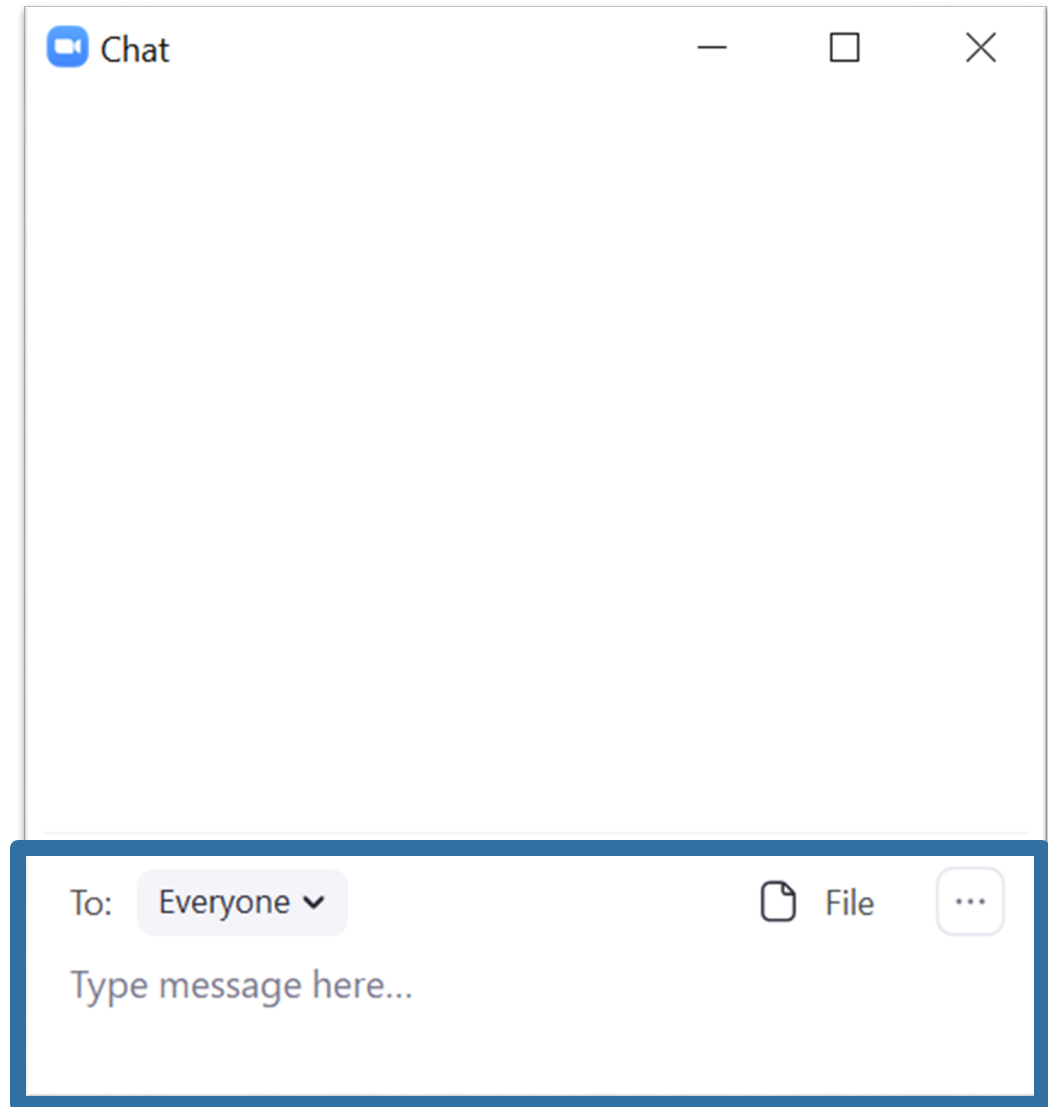
Send a message to the meeting organizers or other participants.



# Chat

Select who to send your message to in the “To” section. You can message to all the meeting participants or just the hosts.

Type your message in the box at the bottom of the Chat Window.



# Handouts



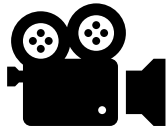
ZOOM HANDOUT



SUSTAINABLE MANAGEMENT  
CRITERIA HANDOUT



# This Meeting is Being Recorded



A recording of the webinar and  
copies of the webinar materials  
will be uploaded on the Tracy  
website at

[www.tracysubbasin.org](http://www.tracysubbasin.org)

# Presentation: Sustainable Management Criteria Overview

# Sustainable Groundwater Management Act Key Terms

**SGMA** = Sustainable Groundwater Management Act

**GSA** = Groundwater Sustainability Agency

**GSP** = Groundwater Sustainability Plan

**DWR** = California Department of Water Resources

Sustainability Goal







Undesirable  
Results

Sustainable  
Management  
Criteria

Minimum  
Thresholds

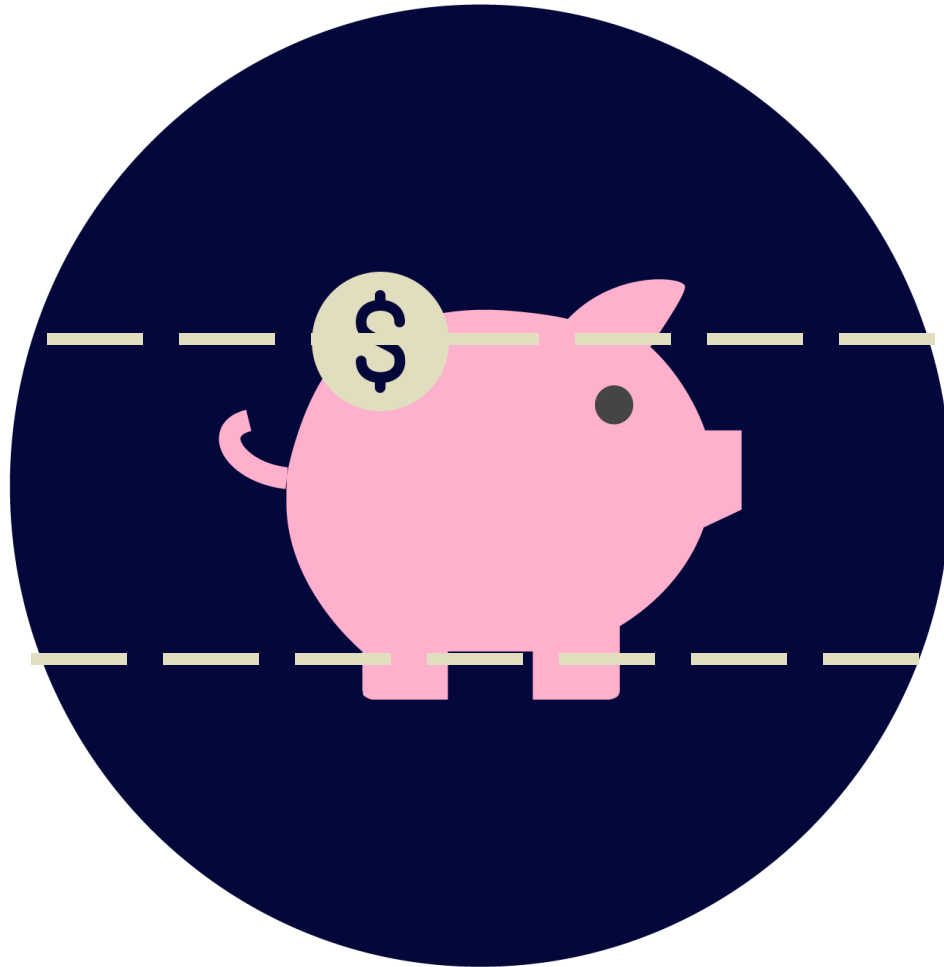
Measurable  
Objectives

# Sustainability Indicators and Undesirable Results

Sustainability Indicators	 Lowering GW Levels	 Reduction of Storage	 Seawater Intrusion	 Degraded Quality	 Land Subsidence	 Surface Water Depletion
Metric(s) Defined in GSP Regulations	<ul style="list-style-type: none"> <li>Groundwater Elevation</li> </ul>	<ul style="list-style-type: none"> <li>Extraction Volume</li> </ul>	<ul style="list-style-type: none"> <li>Chloride concentration isocountour</li> </ul>	<ul style="list-style-type: none"> <li>Migration of Plumes</li> <li>Number of supply wells</li> <li>Volume</li> <li>Location of isocontour</li> </ul>	<ul style="list-style-type: none"> <li>Rate and Extent of Land Subsidence</li> </ul>	<ul style="list-style-type: none"> <li>Volume or rate of surface water depletion</li> </ul>

Source: DWR

Measurable  
Objective



Minimum  
Threshold

# Interactive Discussion: Draft Sustainable Management Criteria for the Tracy Subbasin

# Sustainable Management Criteria Worksheet

- Part 1 (Optional) – Asks basic information about you.
- Part 2 (Optional) – Ask more information about how you use water and your understanding of SGMA
- Part 3 – Asks for you to provide input on how to define sustainability for the region's groundwater resources



## Worksheet Part 3 – Question 1

How would you describe 'sustainability' in terms of the region's groundwater resources? What would make the region's groundwater resources 'unsustainable'?

## Worksheet Part 3 – Question 2

The agencies have identified the following draft criteria to define how low **groundwater levels** could drop before they become significant and unreasonable:

- Domestic and irrigation wells go dry
- Increased costs to pump groundwater
- Surface water is depleted such that creeks go dry
- Groundwater supported vegetation die or cannot repopulate
- Groundwater quality is degraded by increasing the salt content
- Groundwater quality declines to the point of being unusable

## Worksheet Part 3 – Question 2

- Are these impacts good indicators of the sustainability of the region's groundwater resources? Why or why not?
- Are there other impacts related to the reliability of the region's groundwater resources that the agencies should consider?

## Worksheet Part 3 – Question 3

The agencies have identified the following draft criteria to define what would make the **quality of groundwater** significant and unreasonable:

- Occurrences of large-scale groundwater contamination
- Contaminant concentrations in public supply wells above legal limits
- Degraded water quality that leads to reduced crop production
- Increased salinity requiring treatment
- Implementation of projects and actions that increase concentrations of elements that make the groundwater unusable

## Worksheet Part 3 – Question 3

- Are these impacts good indicators of the **quality** of the region's groundwater resources? Why or why not?
- Are there other impacts related to the **quality** of the region's groundwater resources that the agencies should consider?

## Worksheet Part 3 – Question 4

- What type of impacts caused by land subsidence (sinking) could occur before the subsidence becomes significant and unreasonable (e.g. damage to infrastructure, increased flooding)?

## Worksheet Part 3 – Question 5

- To what extent are issues of surface water depletion a concern to you and your community?
- To your knowledge, are there areas within the region that rely on groundwater to support the overlying environment? If yes, where are these areas located?

## Worksheet Part 3 – Question 6

- What other impacts caused by or related to groundwater use should the Groundwater Sustainability Agencies consider when defining sustainability for the basin's groundwater resources?



## Next Steps

Please send your completed worksheet via email to Kirsten Pringle at [Kirsten.Pringle@Stantec.com](mailto:Kirsten.Pringle@Stantec.com) by next Thursday, January 28.

Stay Involved

# Get Involved

## **STAY INFORMED**

- Attend monthly meetings
- Visit our website
- Read our newsletter

## **PROVIDE INPUT**

- Provide comments on draft GSP chapters on the website

## **SIGN-UP**

- Sign-up to be an interested party

# GSP Development Schedule

Chapter Number	Chapter	Anticipated Public Review
1	Introduction	Complete
2	Agency Introduction	Complete
3	Description of Plan Area	Complete
4	Hydrogeologic Conceptual Model	Complete
5	Groundwater Conditions	Ongoing – Comments due Jan 13, 2021
7	Management Areas	Jan/Feb 2021
8	Monitoring Network	Jan/Feb 2021
9	Sustainable Management Criteria	Jan/Feb 2021
6	Water Budgets	Mar/Apr 2021
10	Projects and Management Actions	Mar/Apr 2021
11	Notice and Communication	Apr/May 2021
<b>Complete Public Draft</b>	<b>Public Draft GSP Review</b>	<b>Jul/Aug 2021</b>



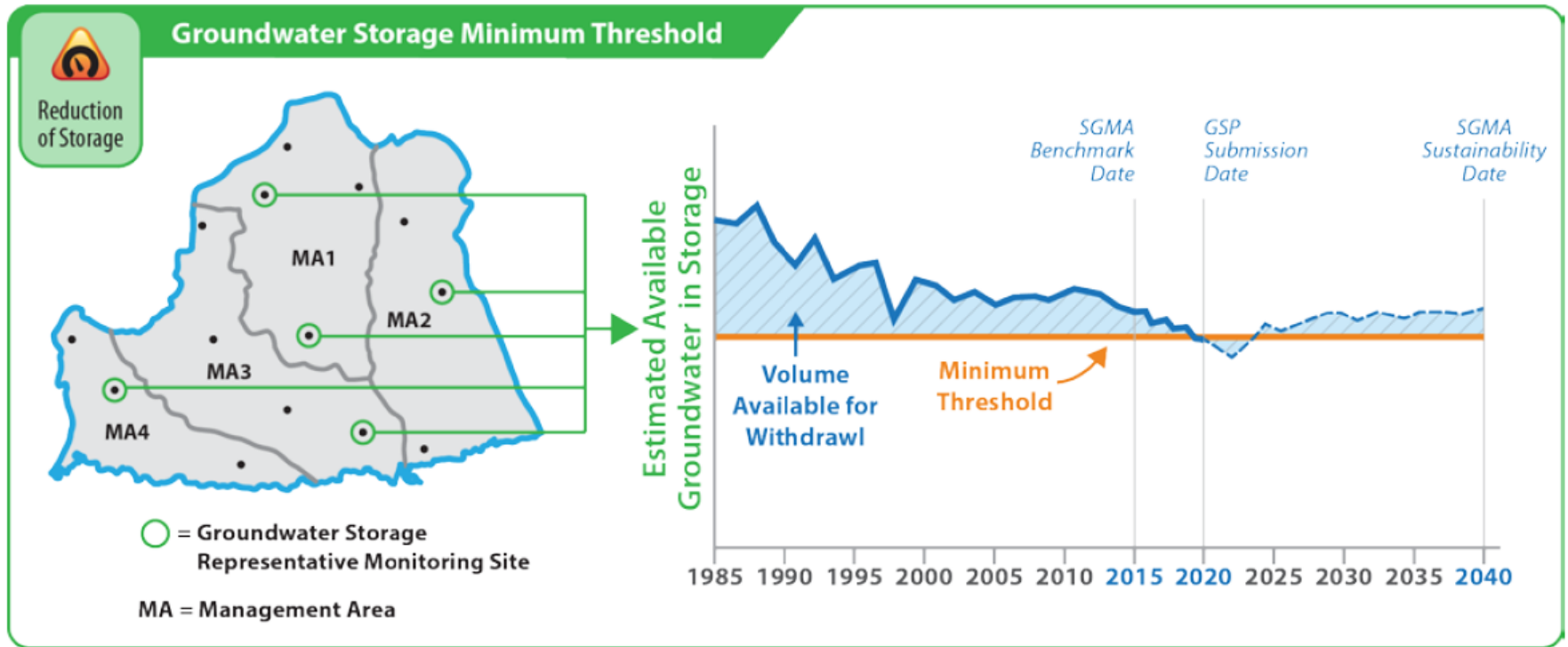
For more information visit the  
Tracy Subbasin website:

**<https://tracysubbasin.org>**

For questions, contact  
Matt Zidar, San Joaquin County,  
**[mzidar@sjgov.org](mailto:mzidar@sjgov.org)**

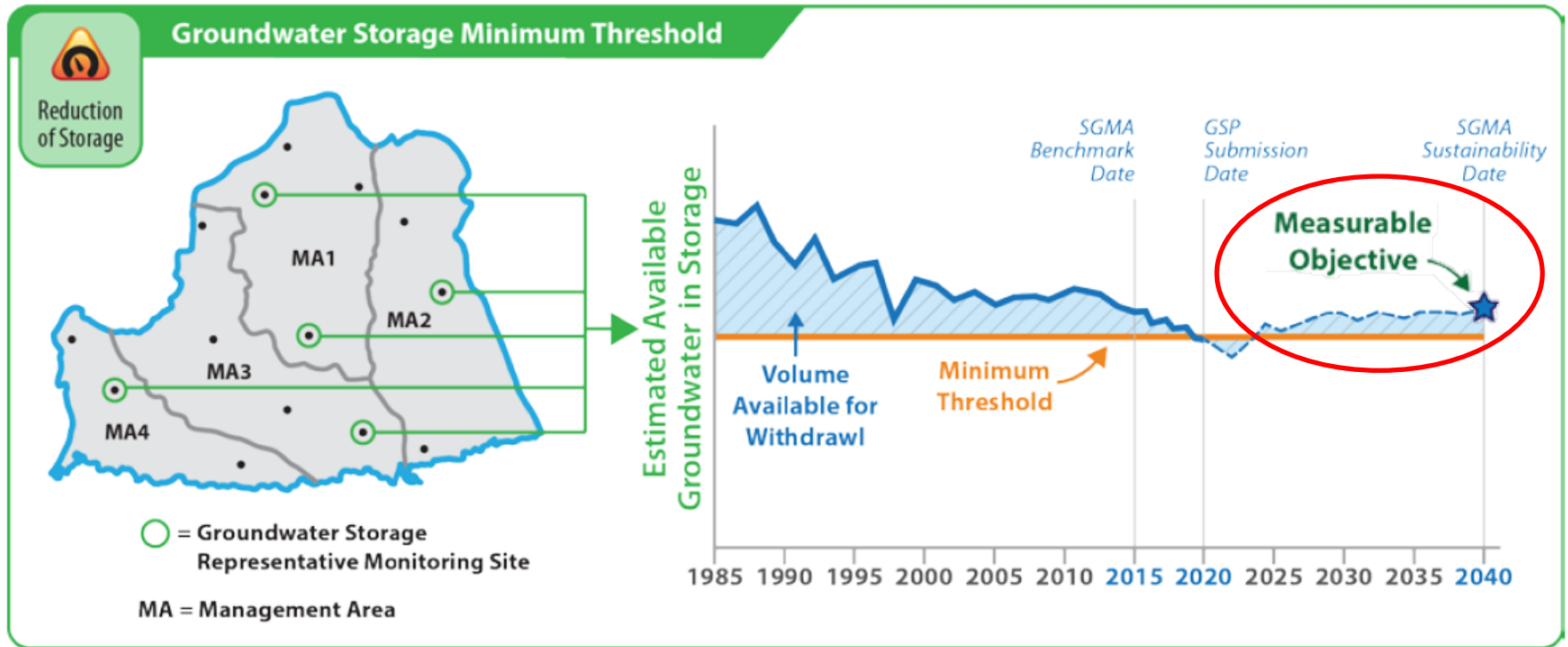
Extra Slides

# Minimum Threshold



Source: SGMA BMP Guide

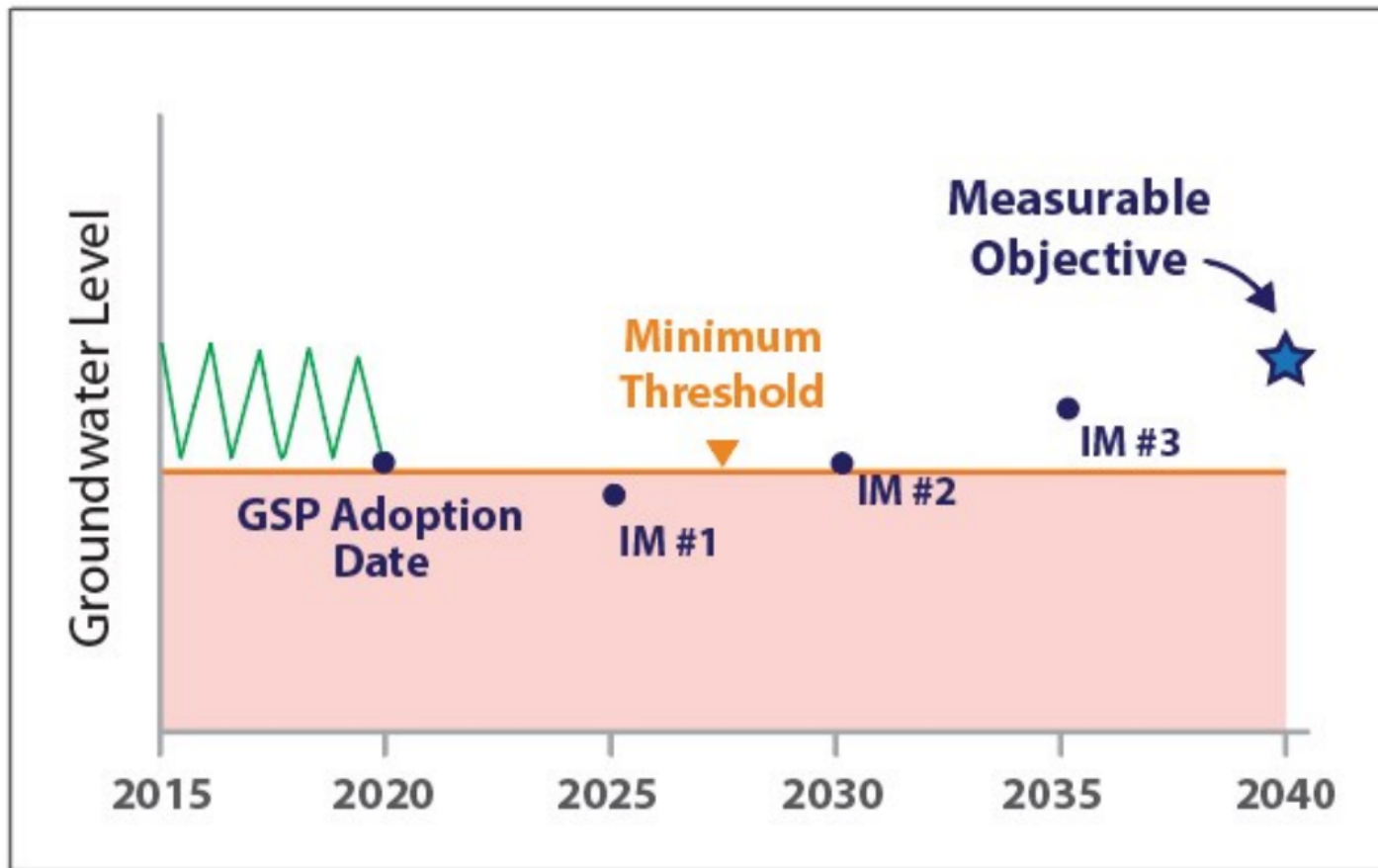
# Measurable Objective



Source: SGMA BMP Guide



# Interim Milestones



Source: SGMA BMP Guide

# Recap: Minimum Thresholds and Measurable Objectives

