




San Geronio Pass GSP Development

Stakeholder Advisory Meeting

November 10, 2020

The background of the image is a white canvas filled with various colorful elements. In the upper half, there are several speech bubbles in different shapes and colors: a green oval, an orange oval, a pink starburst, a blue rounded rectangle, a purple cloud-like shape, a dark blue rounded rectangle, a red circle, and a dark green rounded rectangle. In the lower half, there are several stylized hands raised in the air, each a different color: light blue, pink, yellow, purple, red, green, and orange. A large, teal-colored rectangular box with a diagonal line pattern is positioned in the center-right, containing the text 'PUBLIC COMMENTS' in white, bold, uppercase letters.

PUBLIC COMMENTS

Approval of August Stakeholder Advisory Meeting Minutes



San Geronio Pass GSP Stakeholder Advisory Meeting

1. Introductions

2. Intro. to Sustainable Management Criteria Pt. II
3. Summary of Work: Modeling
4. Summary of Work: Data Management System
5. GSP Development Schedule
6. Next Steps
7. Schedule Next Meeting
8. Meeting Adjournment



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Sustainable Management Criteria

Terminology of Focus

1. Minimum Thresholds
2. Undesirable Results
3. Measurable Objective
4. Sustainability Goal

Conceptual Visual of Minimum Threshold vs. Measurable Objective on a hydrograph.





Minimum Thresholds

- Point at a representative monitoring site where impacts could become significant and unreasonable
- Developed for each sustainability indicator

Measurable Objectives

- The specific, quantifiable goals for the maintenance or improvement of groundwater conditions to maintain or achieve sustainability within the 20-year planning period.
- Developed for each sustainability indicator

Undesirable Results are defined by SGMA as:

- ★ Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply
- ★ Significant and unreasonable reduction of groundwater storage
- Significant and unreasonable degradation of water quality
- Groundwater-related surface water depletions that have significant and unreasonable adverse impacts on beneficial uses of surface water
- ~~Significant and unreasonable land subsidence~~
- ~~Significant and unreasonable seawater intrusion~~



Undesirable Results

The quantitative combination of minimum threshold exceedances that constitute a significant and unreasonable condition

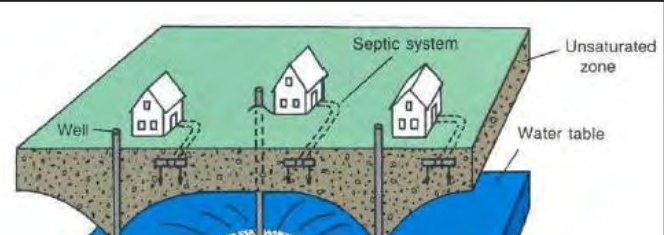
Extent: basinwide definition, based on minimum threshold exceedances at GSA-specified spatial scales

Undesirable results are significant and unreasonable impacts caused by:

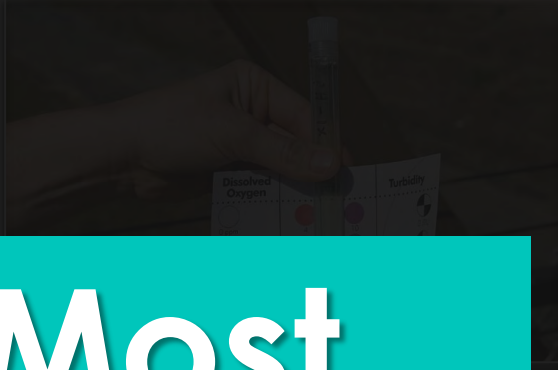
Chronic lowering of groundwater levels



Reduction of groundwater storage

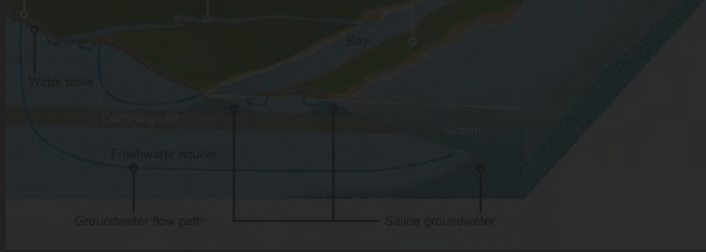


Degraded water quality



Water Levels are Most Likely Impact

Depl



○ Schedule

- November-December, 2020– Initial Development of Minimum Thresholds

- December-February, 2020/2021 – Second Round of Minimum Thresholds

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Historical/Current
water budget

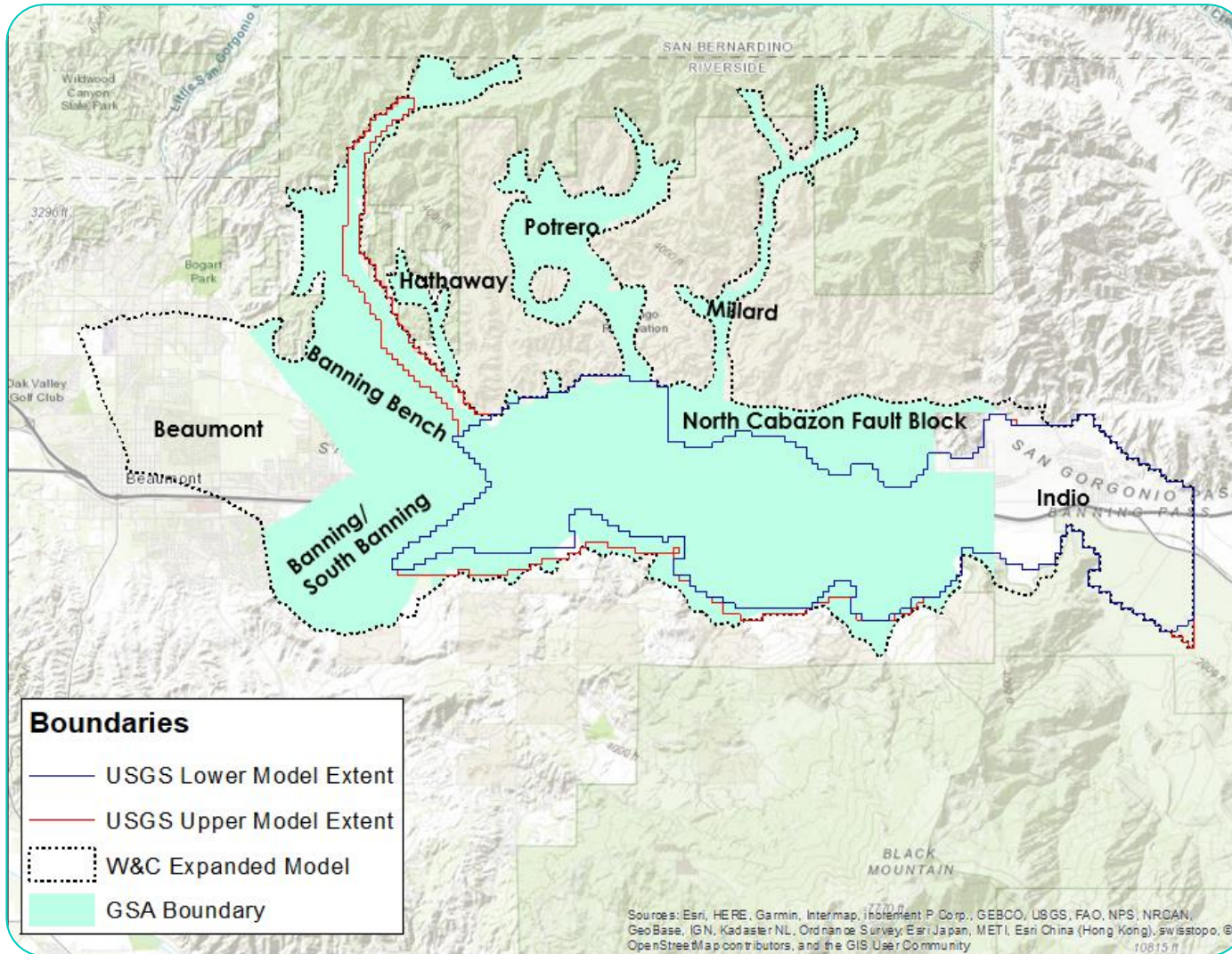
Future water
budget

Evaluate
Sustainable
Management
Criteria

Evaluate Project
and
Management
Actions

Identify Data
Gaps/Inform
Monitoring Plan

What we
need for
the GSP



In the last Stakeholder Advisory Meeting, the primary focus on the modeling update was on spatially expanding the model.

Historical & Current Model Expansion

- Spatial expansion of Upper and Lower Models is **complete**
- Linkage of INFIL, upper, and lower model is **complete**
- Temporal expansion of RCH (natural), SFR, and GHB is **complete**
- Spatial expansion of Upper and Lower Models is **complete**
- Linkage of INFIL, upper, and lower model is **complete**
- Temporal expansion of RCH (natural), SFR, and GHB is **complete**



Next Steps

- Calibration of expanded area
- Develop 50-year predictive model using DWR climate change data-sets
- Use extended/predictive model for SMCs, Project/MA evaluation, and other GSP purposes



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The SGMA Implementation Data Cycle

Data QA/QC

Who: GSA, Agency, or Consultant
How Often: Bi-Annually

Data Upload to DMS

Who: GSA, Agency, or Consultant
How Often: Bi-Annually

Data Collection (Monitoring)

Who: Agency or GSA Field Rep
How Often: Bi- or Tri-Annually

Data Upload Verification

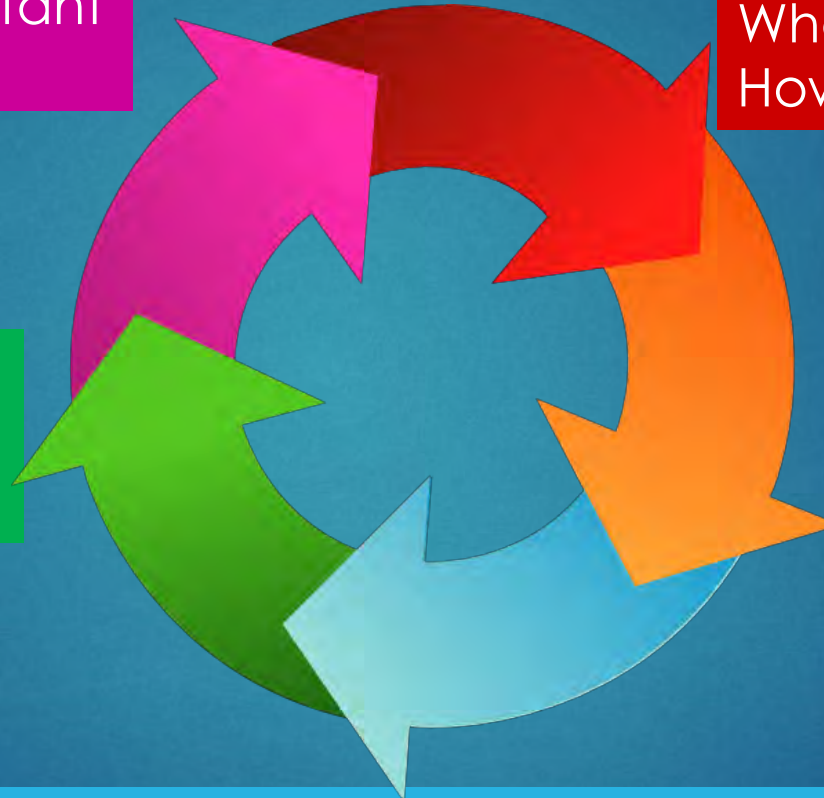
Who: GSA Representatives
How Often: Annually

Annual Reporting

Who: DMS produces, GSAs, and/or
Consultants Refine
How Often: Annually

**Data Hosting

Who: Houston Engineering
How Often: Ongoing



September DMS Meeting



Objective:

Review results of recent DMS Survey & determine direction for DMS

Consensus:

Develop the DMS in alignment with SGMA requirements and application.

If additional time and budget permit, then we will discuss add-ons.





October DMS Meeting

A look ahead:
Discussed Annual Reporting
requirements, and how they
inform the DMS development.

Updated DMS Schedule

Month	Year	Task
June-July	2020	Consolidate well records into single template
August	2020	Kickoff software development with Houston Engineering
September - November	2020	Determine DMS needs
December – January	2020 -2021	DMS Software Development and Historic Data Input
February - March	2021	Demo Beta Version and identify data input process
April - May	2021	Incorporate client feedback into DMS
June	2021	Demo Live DMS
June - July	2021	Determine Annual Report Template
October – December	2021	Update DMS with most recent data records and maps
Before April 1, 2022	2022	Submit Annual Report and associated data to DWR

Next Steps

Objectives of the Upcoming meeting:

- (1) Continue to organize historic data
- (2) Review existing DMS templates
- (3) QA/QC data prior to upload



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Upcoming Next Steps for GSP Development

- December 7th SGP GSP Working Group Meeting
- Early January DMS Group Meeting
- Modeling calibrations and development completed
- SMCs completed
- Early development of the beta DMS



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2020

January						
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November						
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December						
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20	21	22	23	24	25	26
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Meeting Adjourned