



# San Gorgonio Pass Stakeholder Advisory Meeting

**Date:** November 10th, 2020

**Time:** 9:00am

**Called by:** San Gorgonio Pass Water Agency

**Location:** [Join Microsoft Teams Meeting](#)  
[+1 559-512-2821](#) United States, Fresno (Toll)  
Conference ID: 811 545 416#

**Subject:** San Gorgonio Pass Stakeholder Advisory Meeting

## Agenda

1. Public Comments
2. Approval of August Meeting Minutes
3. Introductions
4. Introduction to Sustainable Management Criteria Part II
5. Summary of Work: Modeling
6. Summary of Work: Data Management System
7. GSP Development Schedule
8. Next Steps
11. Schedule Next Meeting
12. Meeting Adjournment

**Minutes of the  
San Gorgonio Pass Subbasin Stakeholder Advisory Committee Meeting  
August 6, 2020**

The third meeting of the Stakeholder Advisory Committee of the San Gorgonio Pass Subbasin was called to order by Jeff Davis, former General Manager of the San Gorgonio Pass Water Agency, at 9:00 am on Thursday, August 6, 2020. The meeting was held virtually via Microsoft Teams.

Members of the Stakeholder Advisory Committee participating included John Covington of the Morongo Band of Mission Indians and Larry Ellis of the Banning Bench Community of Interest. Also participating were current SGPWA General Manager Lance Eckhart, and Terry Erlewine and Kait Palys of Provost & Pritchard. It was noted that due to the ongoing Apple fire, other members of the Stakeholder Advisory Committee may be unable to attend, notably Robert Taylor of the US Forest Service and possibly others. It was also noted that Mr. Eckhart will be gradually taking over responsibilities from Mr. Davis on SGMA issues for the Agency.

There were no members of the public who wished to address the Committee.

John Covington moved, seconded by Larry Ellis, to approve the minutes of the May 7 meeting. The motion was passed unanimously.

After introductions, Jeff Davis handed the meeting over to Lance Eckhart, who introduced Terry Erlewine of Provost & Pritchard, who is developing the Groundwater Sustainability Plan (GSP) for the Subbasin. Mr. Erlewine reviewed the May 7 meeting, summarizing the four key issues discussed at that meeting—final development of management areas, model development approach, anticipated challenges with water budget development, and development of the Plan Area and Basin Setting chapters of the GSP.

Kait Palys of Provost & Pritchard summarized their work on sustainable management criteria, explaining the terms minimum threshold, undesirable results, measurable objectives, and operational flexibility. She explained that sustainable management criteria will be a critical element of the GSP. She presented a draft schedule for development of sustainable criteria, showing a first draft available in late October.

Terry Erlewine presented an update on model development, reviewing the history of the model from initial development by the USGS (of the Cabazon Storage Unit only) through expansion of the model by Woodard & Curran as part of the SGP IRWMP process, and including recent work by Interra (a subconsultant to Provost & Pritchard) to meld the two models and calibrate them. He also presented a draft schedule, showing a predictive model available in the September time frame, with projects and management actions able to be modeled in October. He noted how important the model is to many key components of the GSP.

Kait Palys then summarized ongoing work on the data management system, being developed by Houston Engineering, another subconsultant to Provost & Pritchard. She summarized a recent meeting of the GSP Working Group on this topic and pointed out that a subcommittee has been formed to work with Houston on specifics of the DMS. The draft schedule presented showed a Beta version of the DMS available for review in November.

Terry Erlewine then summarized the GSP development schedule, noting that the modeling has slipped due to additional work required, as has the DMS. However, the DMS is not on the critical path, so will have no impact on the final project schedule. He showed an administrative draft of the GSP available for

review in July 2021 with a public draft published in October 2021. He noted that this should be sufficient to finalize the GSP by January 2022, the statutory deadline.

Mr. Erlewine then summarized the next steps, including:

- Getting started with the DMS working group subcommittee
- The next monthly meeting of the GSP Working Group, scheduled for August 25
- Ongoing work on the model
- DMS and SMC (Sustainable Management Criteria) development

Jeff Davis summarized the web site that has been developed for the GSP ([www.sgpgsas.org](http://www.sgpgsas.org)), noting that it had been down for some time but that now it is up and operational. He summarized the information that is posted to the site. John Covington asked if the list of stakeholders and the Stakeholder Outreach and Communication Plan could be added. Jeff Davis indicated that they would be added to the web site in the near future. Mr. Covington also suggested that the Outreach and Communication Plan be discussed at the next meeting of the GSP Working Group.

The date for the next meeting was set at November 10 at 9:00 am, hopefully in order to review the initial sustainable management criteria.

The meeting was adjourned at 10:40 am.






# San Geronio Pass GSP Development

Stakeholder Advisory Meeting

November 10, 2020



The background features a collection of colorful, stylized hands reaching upwards from the bottom. Above the hands are several colorful speech bubbles and callouts in various shapes and colors, including green, orange, pink, blue, purple, and dark green. A teal rectangular box with a diagonal line pattern is positioned in the center-right, containing the text.

# 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
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# San Geronio Pass GSP Stakeholder Advisory Meeting

1. Introductions
- 2. Intro. to Sustainable Management Criteria Pt. II**
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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**

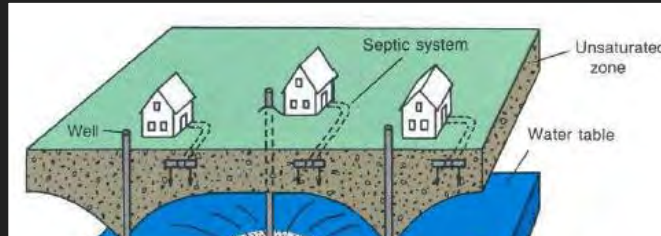


# Undesirable results are significant and unreasonable impacts caused by:

Chronic lowering of groundwater levels



Reduction of groundwater storage

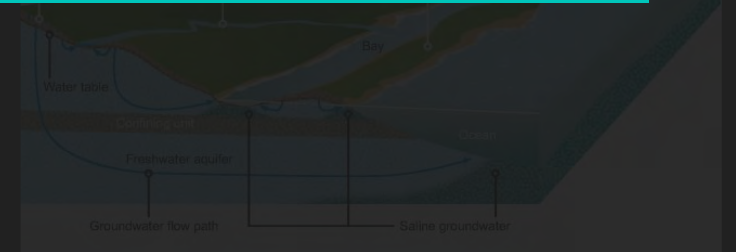
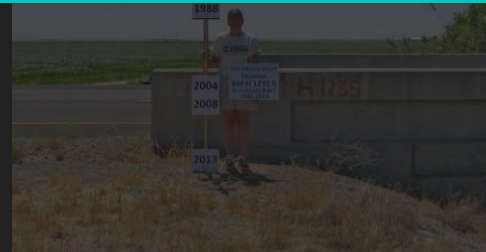
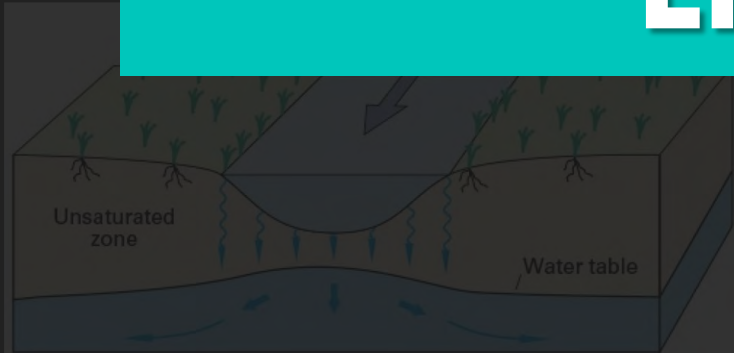


Degraded water quality



## 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

# San Geronio Pass GSP Stakeholder Advisory Meeting

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**Historical/Current  
water budget**

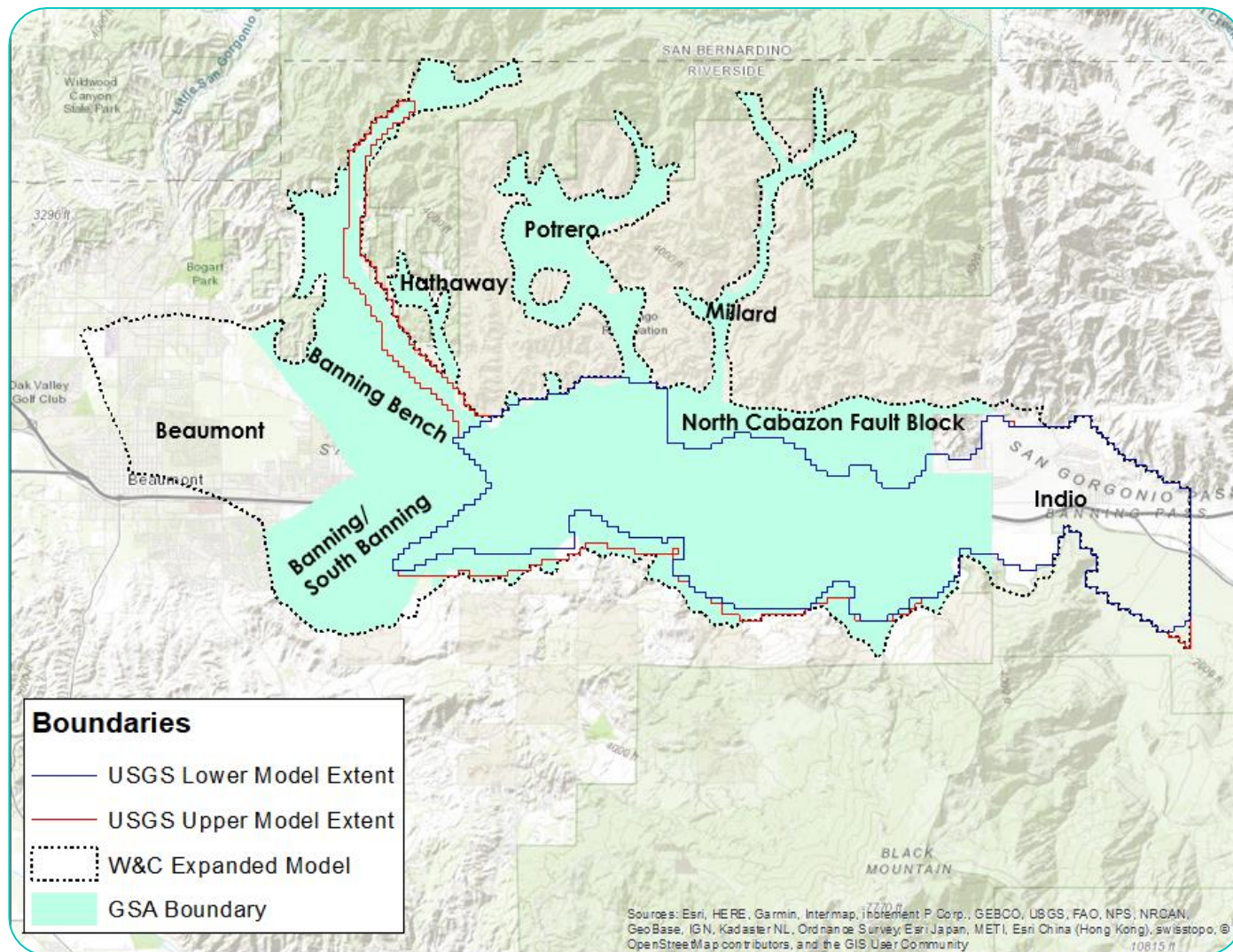
**Future water  
budget**

**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



# San Geronio Pass GSP Stakeholder Advisory Meeting

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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

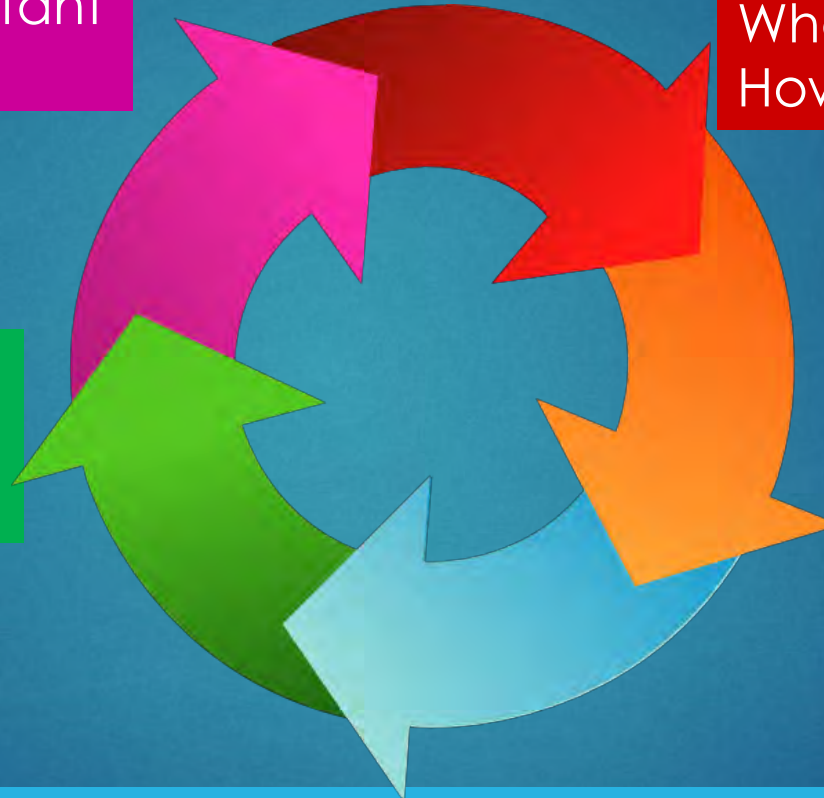
Who: GSA Representatives  
How Often: Annually

## 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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## Groundwater Sustainability Plan for the San Geronio Pass Sub-Basin

Revised Project Schedule July 2020

[illegible]

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# Upcoming Next Steps for GSP Development

- December 7<sup>th</sup> 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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September						
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October						
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November						
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December						
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20	21	22	23	24	25	26
27	28	29	30	31		



A dimly lit conference room with several empty office chairs and three large pendant lights hanging from the ceiling. The text "Meeting Adjourned" is overlaid in the center.

**Meeting Adjourned**