



PASO ROBLES
CALIFORNIA

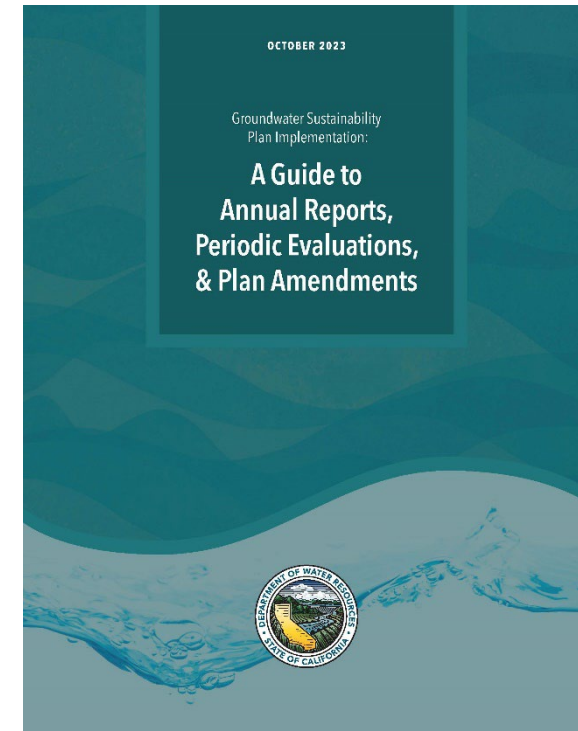


**Paso Robles Groundwater Subbasin
5-Year GSP Evaluation
SSJWD GSA Board Meeting
September 25, 2024**



5-Year GSP Evaluation – What’s Involved?

- NOT a technical report (like ARs)
- DWR Guidance Document October 2023
- Evaluation document is the GSA’s written assessment of GSP implementation and adaptive management on 5-year cycles.
- Document is the forum for GSA’s discussion on how Recommended Corrective Actions (RCAs) are being addressed.
- Document is where GSA articulates whether a Plan Amendment is needed.
- **This document is where we make our case to DWR we are proceeding toward sustainability (2040).**



Actions since GSP Submittal

Governance

1. Approval of new GSA (EPC GSA)
2. Basin Rate Study to evaluate future funding mechanisms.
3. Ongoing Negotiations for JPA permanent governance structure.
4. Extension and revisions to County water neutral development program.
5. Repeal of point-of-use restrictions in NWP water contracts.

Monitoring

1. Expansion of Monitoring Well Network (Existing wells) – SSJ GSA, EPC GSA, City, County.
2. Grant-funded effort to construct 8 new alluvial monitoring wells (monitoring network, ISW).
3. 3 new stream gages.
4. Synoptic stream study.

Data and Analyses

1. Engineering analysis of recycled water/blended water project.
2. MILR program RFP.
3. HCM study of El Pomar Junction area.
4. AEM Surveys.
5. Inquiries re transfer ownership of Salinas Dam.
6. Technical review of numerical groundwater model/recommendations for improvement of ISW representation.
7. City of Paso Robles Municipal Stormwater Program.
8. SSJWD/EPCWD Stormwater capture and recharge feasibility study.

DWR Recommended Corrective Actions

1. Elaborate on the definition of undesirable results.
2. Re-evaluate the well impacts analysis and fill related data gaps.
3. Consider mitigation strategies.
4. Further explain connections between the alluvial aquifer, Estrella River, and San Juan Creek.
5. Continue to fill data gaps, collect additional monitoring data, and coordinate with agencies and interested parties to understand beneficial uses and users that may be impacted by depletions of interconnected surface water caused by groundwater pumping.
6. Explain the monitoring network for interconnected surface water.
7. Refine Sustainable Management Criteria (SMCs) to include alluvial aquifer.
8. Reconcile Monitoring network module and GSP monitoring network.

Potential Responses to RCAs

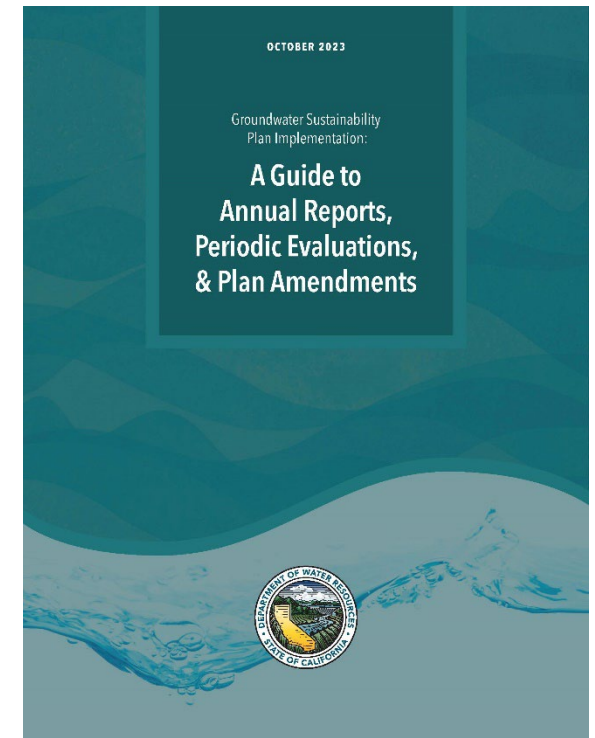
DWR Recommended Actions	Potential Responses in Periodic Evaluation
1.Elaborate on the definition of undesirable results for the groundwater levels sustainability indicator.	This can be addressed by performing a well impact analysis using the SLO County Environmental Health Services (EHS) dataset, reassessing the percentage of wells going dry based on the more accurate EHS dataset, and incorporating changes from the expanded monitoring network effort.
2.Re-evaluate the well impact analysis and filling related data gaps.	Like the first action above, this can be addressed by performing a well impact analysis using the SLO County EHS dataset, reassessing the percentage of wells going dry based on the more accurate EHS dataset, and incorporating changes from the expanded monitoring network effort.
3.Consider dry well mitigation strategies.	This can be included in the discussion following the re-evaluated well impact analysis.
4. Provide clear explanation of the usage of the Alluvial Aquifer and describe the plan and progress so far to investigate the potential connection between Estrella River and San Juan Creek to the underlying Paso Robles Formation Aquifer.	<p>This can be addressed through the following:</p> <ul style="list-style-type: none"> ▪ A quantification of underflow pumping that occurs primarily from the Salinas River. The water rights holders and produced volumes can be researched using eWRIMS. ▪ Citing the expanded monitoring network Technical Advisory Committee work product, including installation of new Alluvial Aquifer monitoring wells, the plan to install multiple continuous water level monitoring devices in both principal aquifers, and the April 2023 synoptic streamflow study.

Potential Responses to RCAs

DWR Recommended Actions	Potential Responses in Periodic Evaluation
<p>5.Continue to fill data gaps, collect additional monitoring data, and coordinate with agencies and interested parties to understand beneficial uses and users of interconnected surface water and work to establish undesirable results, minimum thresholds, and measurable objectives for depletions of interconnected surface water due to groundwater pumping.</p>	<p>This will require an ongoing effort to fill data gaps in Alluvial Aquifer water level monitoring and to improve the understanding of GDEs distribution in the Basin. Ultimately, the groundwater model will need to be updated with this new information and calibrated to predict the location, quantity, and timing of depletions of interconnected surface water due to groundwater pumping.</p>
<p>6.Explain the monitoring network for interconnected surface water.</p>	<p>This would be included in the discussion of the prior item and then restated clearly here.</p>
<p>7.Refine sustainable management criteria to include the Alluvial Aquifer.</p>	<p>This can be addressed in conjunction with item 5 above.</p>
<p>8.Reconcile Monitoring Network Module and the GSP monitoring network.</p>	<p>This has been largely resolved for the existing monitoring network. However, this will be an ongoing effort as the monitoring networks expand.</p>

Items suggesting potential need for GSP Amendment

- Addition of New GSA (EPC GSA)
- New governing structure to be implemented - JPA (with funding mechanism)
- Revisions to HCM (El Pomar Junction, AEM)
- Revisions to SMCs (IMs)
- Revisions to Monitoring Networks
- Model Review and Need to Update for use as analytical tool
- Addition or removal of projects and/or management actions



Proposed GSP 5-Year Evaluation Timeline





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Questions?