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GROUNDWATER SUSTAINABILITY AGENCY

***GROUNDWATER
SUSTAINABILITY PLAN
PERIODIC EVALUATION
WORKSHOP NO. 2***

JUNE 22, 2026



WORKSHOP COMPONENTS

- 1. GSP Periodic Evaluation Overview**
- 2. Summary of New Information Since GSP**
- 3. DWR Recommended Corrective Actions**
- 4. Periodic Evaluation Key Findings**
- 5. Questions and Feedback**



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GSP PERIODIC EVALUATION OVERVIEW



GSP PERIODIC EVALUATION

■ What?

- Written periodic evaluation report
- Communicate progress on GSP implementation

■ Why?

- It's required...GSP Emergency Regulations
- Prudent for ensuring the basin is managed sustainably

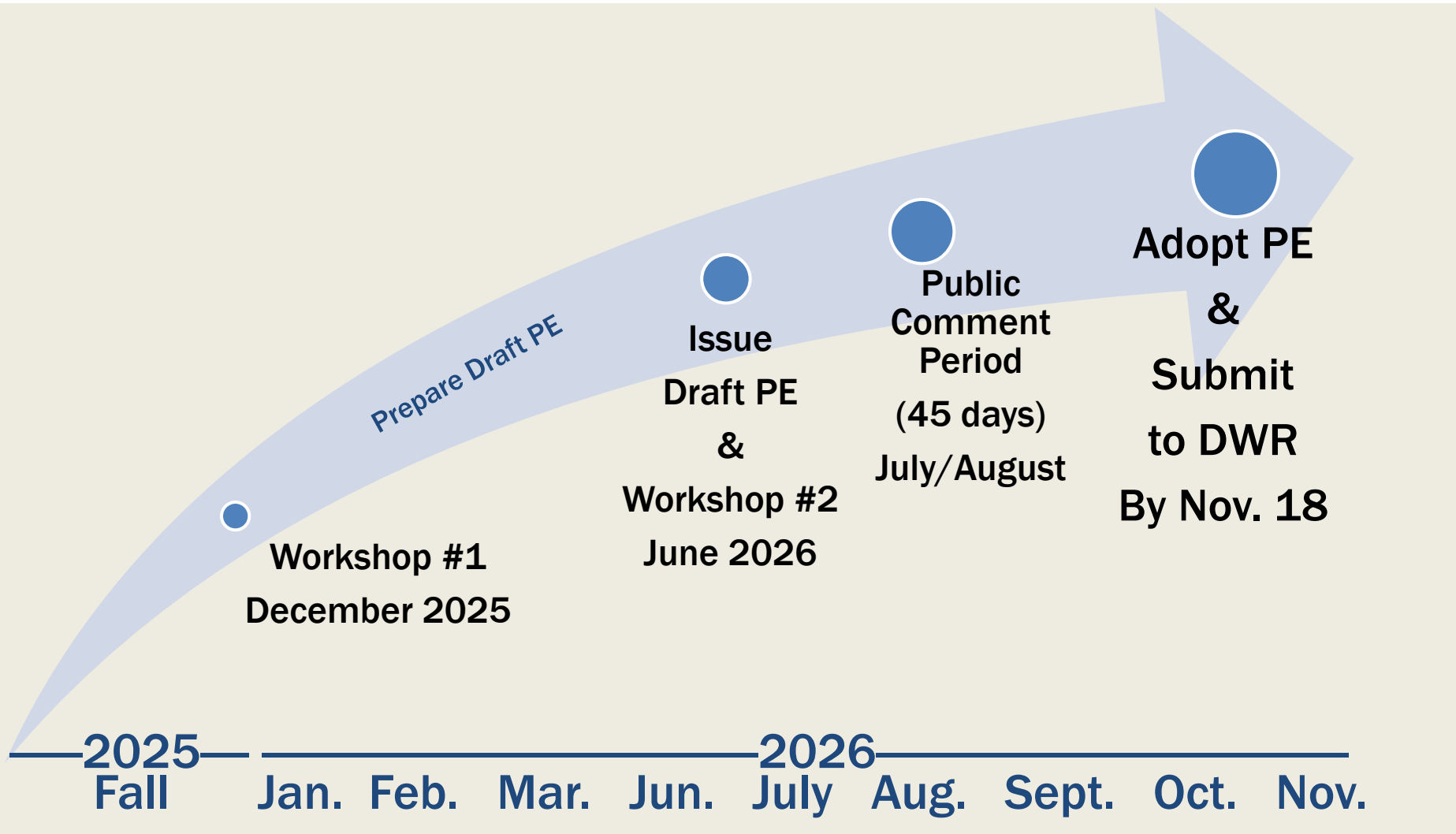
■ When?

- At least once every five years

GSP PERIODIC EVALUATION SCOPE

- Describe new information collected.
- Describe current groundwater conditions for each sustainability indicator.
- Describe status & changes to any GSP sections.
- Explain how have actions taken by GSA have informed changes in basin management.
- Describe whether there is a need to change any GSP section that would lead to a GSP Amendment.
- Address DWR recommended corrective actions

GSP PE SCHEDULE





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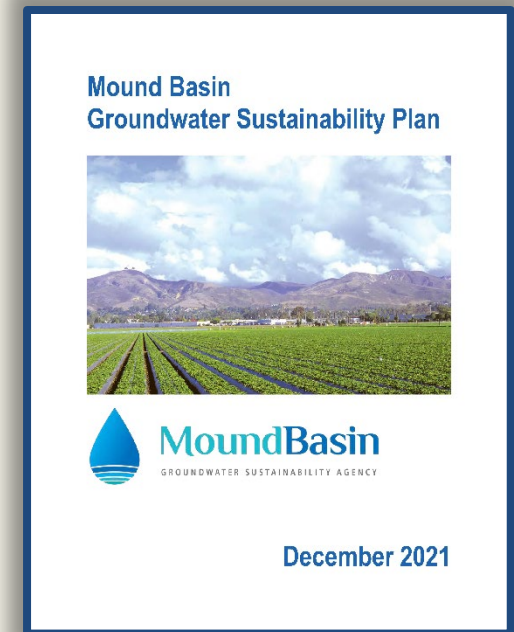
SUMMARY OF NEW INFORMATION SINCE GSP



GSP CONTENTS

GSP Contents are per GSP Emergency Regulations:

- **Executive Summary**
- 1. Introduction to Plan Contents**
- 2. Administrative Information**
- 3. Basin Setting**
- 4. Sustainable Management Criteria**
- 5. Monitoring Networks**
- 6. Projects and Management Actions**
- 7. GSP Implementation**



SECTION 1

INTRO TO PLAN CONTENTS

GSP

- **Contents**
 - SGMA Background
 - GSP Overview

- **Key Conclusions**
 - N/A

- **Actions**
 - N/A

Periodic Evaluation

- No new information
- No new information

SECTION 2

ADMINISTRATIVE INFORMATION

GSP

- **Contents**
 - GSA Description
 - Plan Area Description
 - Water Resource Programs
 - Land Use Info
 - Communications Plan

- **Key Conclusions**
 - N/A

- **Actions**
 - N/A

Periodic Evaluation

- No changes
- No changes
- Updated City water supplies
- No material changes
- Stakeholder Engagement plan updates

SECTION 3

BASIN SETTING

GSP

- Contents
 - Hydrogeologic Conceptual Model
 - Historical Basin Conditions
 - Water Budgets

- Key Conclusions
 - Pumping from principal aquifers does not materially impact surface water
 - No historical land subsidence

 - No seawater intrusion
 - Basin has been and is projected to remain in balance

- Actions
 - Drill MW-A and B

Periodic Evaluation

- New data from MW-A
- More recent monitoring data
- *Updated water use projections*

- Lack of surface water impact further confirmed with additional monitoring data
- *Land subsidence may be occurring, but at insignificant rate*

- MW-A seawater not observed
- *Less pumping forecasted, further supporting basin balance projection*

- MW-A drilled; MW-B pending

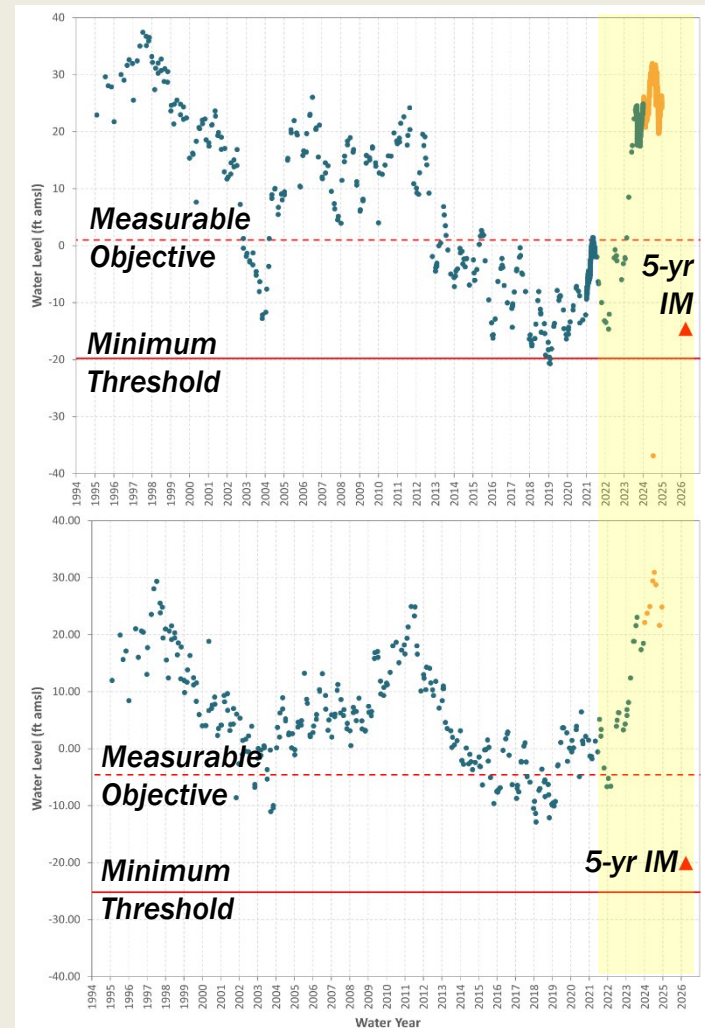
UPDATED PUMPING PROJECTIONS FOR NEXT 5 YEARS

Type	GSP (AFY)	Periodic Eval. (AFY)
City of Ventura	4,000	0 - 2,462
Agriculture	2,873 - 3,548	2,200 - 3,000
Other	161 (average)	106 (average)
TOTAL	7,461	2,306 - 5,568

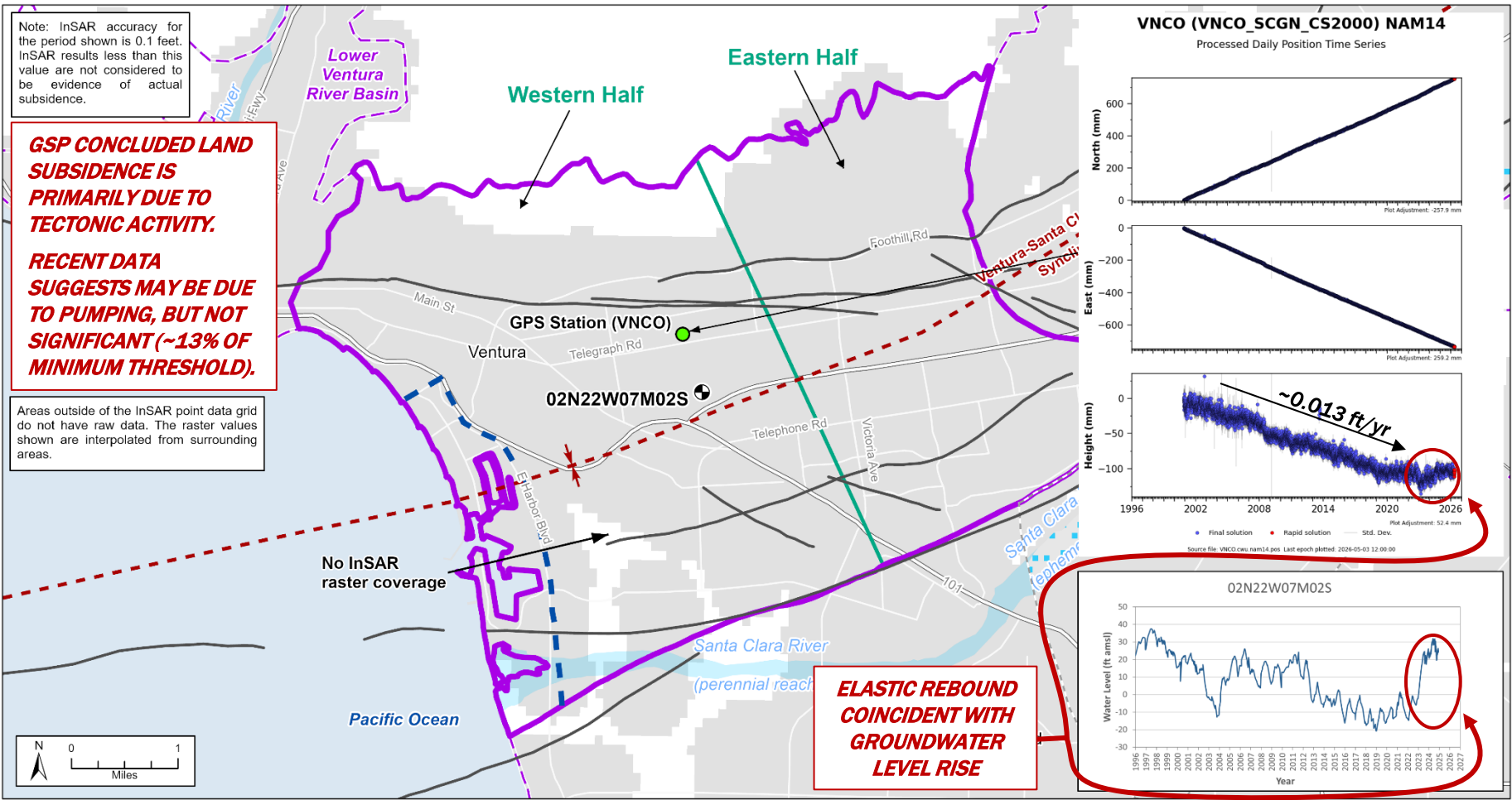
- Updated groundwater pumping projections are ~25% to ~69% below GSP.
- Basin was already projected to be in balance with GSP estimates.

POST-GSP GROUNDWATER ELEVATION RECOVERY

- *Groundwater levels recovered from drought despite average precipitation because of reduced extractions.*
- *Measurable Objective and 5-Year Interim Milestones met*
- *Reduced extractions going forward supports maintenance of groundwater levels.*



LAND SUBSIDENCE



- Other Groundwater Basin
- Mound Basin
- Approximate Trace of Fault
- ⋈ Axis of syncline, dashed where approximate
- Approximate Extent of Coastal Area

- InSAR Vertical Displacement (ft)
- 0 - -0.0999
 - 0.1 - -0.1999
 - 0.2 - -0.2999
 - < -0.3

Net Cumulative Vertical Displacement (InSAR) WY2020–WY2025 (Oct 1, 2020 – Sept 30, 2025) (ft)

(These values are less than the accuracy of the InSAR data. See GSP section 4.8.3.1 for discussion.)

(No values < -0.3 feet in this mapped area.)

SECTION 4

SUSTAINABLE MANAGEMENT CRITERIA

GSP

- **Contents**
 - Sustainability Goal
 - Sustainability Criteria for each Sustainability Indicator

- **Key Conclusions**
 - Criteria developed for 5/6 sustainability indicators
 - ISW sustainability indicator not applicable

- **Actions**
 - Monitor shallow groundwater levels to further evaluate ISW

Periodic Evaluation

- Sustainability goal was met during (measurable objectives were met)

- RCAs call for further justification for two indicators
- RCAs call for inclusion of ISW

- Present results of shallow groundwater level monitoring program (detailed presentation provided Dec.)

SECTION 5

MONITORING NETWORKS

GSP

■ Contents

- Groundwater Level Monitoring Network
- Groundwater Quality & Seawater Intrusion Monitoring Network
- Land Subsidence Monitoring Network

■ Actions

- Implement monitoring
- Drill MW-A and MW-B
- Optional MW-C

Periodic Evaluation

- No material changes
- No material changes
- No changes
- Monitoring implemented
- MW-A drilled; MW-B pending
- Applied for grant

SECTION 6

PROJECTS / MANAGEMENT ACTIONS

GSP

- **Contents**
 - **Drill New Monitoring Wells**
 - **Shallow GW Level Monitoring**
 - **Seawater Contingency Plan**
 - **Land Subsidence Contingency Plan**
 - **Groundwater Quality Protection Measures**

Periodic Evaluation

- **MW-A drilled; MW-B in progress**
- **Shallow GW monitoring implemented**
- **Optional actions deferred due to rising GW levels & decreased pumping**

SECTION 7

GSP IMPLEMENTATION

GSP

- **Contents**
 - **GSP Implementation Costs**
 - **GSP Implementation Schedule**

Periodic Evaluation

- **Update not required**
- **Progress/schedule updates included**



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DWR RECOMMENDED CORRECTIVE ACTIONS



GSP RECOMMENDED CORRECTIVE ACTION NO. 1

RCA

Investigate the hydraulic connectivity of the Santa Clara River, the shallow alluvial deposits, and the principal aquifers. Update discussion of the potential for management of the principal aquifers to address interconnected surface water (ISW) depletion.

Response

GSP included a shallow groundwater monitoring program and construction of two monitoring wells.

Shallow groundwater monitoring ongoing and 1/2 monitoring wells completed.

Appendix provides further info about hydraulic connectivity.

GSP RECOMMENDED CORRECTIVE ACTION NO. 2

RCA

Clarify projected water budgets with respect to availability of surface water and impact on groundwater pumping.

Response

Additional context provided concerning City of Ventura's water supply portfolio. City pumping expected to decrease due to WaterPure project and Mound Basin water quality.

GSP RECOMMENDED CORRECTIVE ACTION NO. 3

RCA

Provide further justification for water quality undesirable results definition or amend to account for local threshold exceedances.

Response

Provisionally, change from 100% of monitoring locations to a subset.

Will formally amend GSP at future date after new monitoring well drilled and baseline data collected.

GSP RECOMMENDED CORRECTIVE ACTION NO. 4

RCA

Provide further justification for groundwater levels undesirable results definition or amend to account for threshold exceedances in Coastal Area.

Response

Explained that no pumping occurs in Coastal Area; impacts would manifest from pumping to east.
Provisionally revise criteria to clarify this.
Formally amend GSP after new monitoring well drilled and baseline data collected.

GSP RECOMMENDED CORRECTIVE ACTION NO. 5

RCA

Develop sustainable management criteria for depletions of ISW.

Use DWR ISW guidance, as appropriate.

Response

Provisional use of groundwater level SMC as a proxy.
Formalize in future GSP amendment.

DWR ISW guidance not finalized.

GSP RECOMMENDED CORRECTIVE ACTION NO. 5 (CONTINUED)

RCA

Continue filling data gaps & monitoring of ISW.

Collaborate with regulatory agencies and interested parties concerning identification of surface water beneficial uses.

Response

Monitoring was proposed in GSP and is being implemented.

Stakeholder engagement plan was updated.

Targeted outreach was performed in early December.



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PERIODIC EVALUATION KEY FINDINGS



SUMMARY OF KEY FINDINGS

- **GSP Sustainability Goal is being met**
 - GSP goals were met during first 5-year basin
- **Future pumping is expected to be significantly less than assumed in GSP**
 - Supports continued achievement of GSP goals
- **DWR Recommended Corrective Actions**
 - Clarifications provided
 - Provisional sustainable management criteria changes included that will be formalized in future GSP amendment after monitoring well “B” is constructed and baseline data collected.



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Q&A & FEEDBACK



PLEASE STAY ENGAGED!

- Track status at:

<https://www.moundbasingsa.org/>

- Join the MBGSA Interested Parties List:

<https://www.moundbasingsa.org/contact-us/>

- Email inquiries to: Jackie Lozano

admin@moundbasingsa.org