East Bay Plain Subbasin Groundwater Sustainability Plan (GSP) Periodic Evaluation and Amendment





General Stakeholders Meeting

October 28, 2026

EBMUD

HAYWARD

LSCE TEAM

Meeting Objective

- Receive initial feedback on the public draft GSP Amendment

Agenda

- Welcome & Introductions
- Draft GSP Amendment Overview
- Schedule & Next Steps
- Stakeholder Comments & Questions on Draft GSP Amendment
- DWR Updates

East Bay Plain Subbasin and Stakeholder Outreach

EBMUD: East Bay Municipal Utility District
GSA: Groundwater Sustainability Agency



GSAs Decision-Making Process



Since October 2025:

- 5 General Stakeholder meetings
- 2 Interbasin working group meetings with Alameda County Water District

GSP Periodic Evaluation and Amendment

- SGMA requires a periodic evaluation of the GSP every 5-years to assess implementation, GW conditions, and progress on meeting the sustainability goal
- Evaluation indicated that the GSP needs to be amended to:
  - Address DWR's recommended corrective actions to revise select sustainable management criteria
  - Refine potential groundwater-dependent ecosystem (GDE) areas and monitoring recommendations
  - Estimate stream depletion rates
  - Re-evaluate representative monitoring network
- Both documents due to DWR by January 31, 2027

GW: Groundwater
ISW: Interconnected Surface Water
SGMA: Sustainable Groundwater Management Act

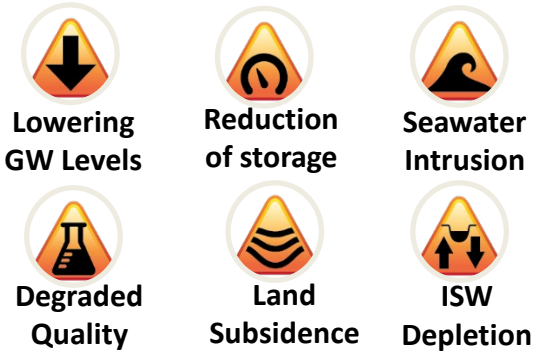
EBP Subbasin Sustainability Goal

- ☑ Manage & protect the Subbasin
- ☑ Collect data to support science-based decisions
- ☑ Evaluate new opportunities for sustainable groundwater beneficial uses
- ☑ Maintain sustainability through sustainable management criteria that avoid undesirable results (URs)

Sustainable Management Criteria (SMC)

Metrics defining when URs occur for the six sustainability indicators and when sustainability is maintained/achieved

Six Sustainability Indicators



GSP Content and Structure

CHAPTERS

1. **Introduction**
   - Describes EBP Subbasin GSAs and GSP development
2. **Basin Setting**
   - Summarizes Plan area and basin setting including hydrogeologic conceptual model
3. **Sustainable Management Criteria**
   - Defines Subbasin sustainability goal and metrics to maintain sustainability
4. **Projects and Management Actions**
   - Describes water supply development opportunities and implementation actions instead of projects and management actions since the Subbasin is sustainable
5. **Plan Implementation**
   - Describes the Plan's implementation strategy, costs, and schedule

APPENDICES

1. **Introduction**
   - Includes GSAs formation notices and GSAs cooperating and implementation agreements
2. **Basin Setting**
   - Includes technical memos and data related to basin setting along with notices and communications
3. **Sustainable Management Criteria**
   - Includes supporting data for the SMC developed for the six sustainability indicators
4. **Projects and Management Actions**
   - Supporting information for water supply development opportunities and implementation actions
5. **Plan Implementation**
   - None
6. **References and Technical Studies**
   - Includes documentation on the groundwater model and studies conducted

Land Subsidence SMC Updates

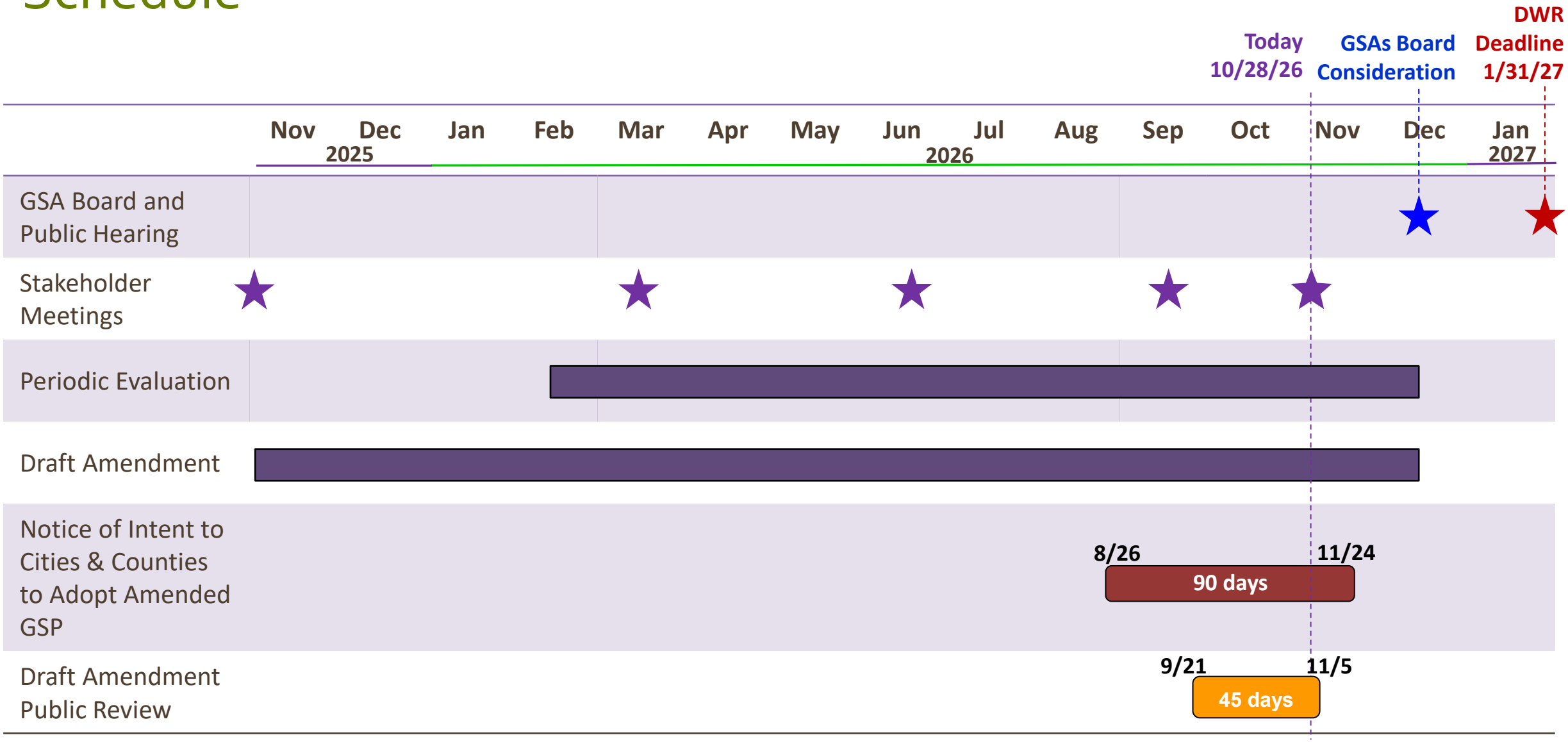
- Updated from using groundwater levels as a proxy to using vertical displacement estimates derived from Interferometric Synthetic Aperture Radar (InSAR) data provided by DWR

Minimum Threshold	Measurable Objective	Undesirable Result
Current conditions of no long-term subsidence and set at 0.1 foot* of annual subsidence and no more than 0.2 foot of cumulative subsidence over 5 years	Current conditions of no long-term subsidence and set at 0.1 foot* of annual subsidence	25% or more RMS sites below MT for two consecutive years

*0.1 foot accounts for uncertainty associated with InSAR satellite dataset

GSP Amendment Sections 3.2.4, 3.3.4, 3.4.4 & 3.5.1.4

Schedule


Today
10/28/26
GSAs Board
Consideration
DWR
Deadline
1/31/27
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Jan
2025
2026
2027
GSA Board and Public Hearing
Stakeholder Meetings
Periodic Evaluation
Draft Amendment
Notice of Intent to Cities & Counties to Adopt Amended GSP
8/26
11/24
90 days
Draft Amendment Public Review
9/21
11/5
45 days

Key Dates for General Stakeholders

Draft GSP Amendment for Public Review	• Released on September 21 • Comments due by **November 5**
EBMUD Board and Hayward City Council Public Hearings and Consideration of Adopting GSP Amendment	• December 1: Hayward City Council • December 8: EBMUD Board of Directors

Next Steps

- Draft GSP Amendment comments due by November 5
  - Complete and email/mail the comment form available on EBMUD's and Hayward's websites
  - Email/mail a comment letter

- Send comments by
  - **Email:** groundwater@ebmud.com
  - **Mail:** EBMUD
    Attn: Grace Su
    375 11th St, MS 407
    Oakland, CA 94607

- GSAs to review and respond to comments

Web Resources

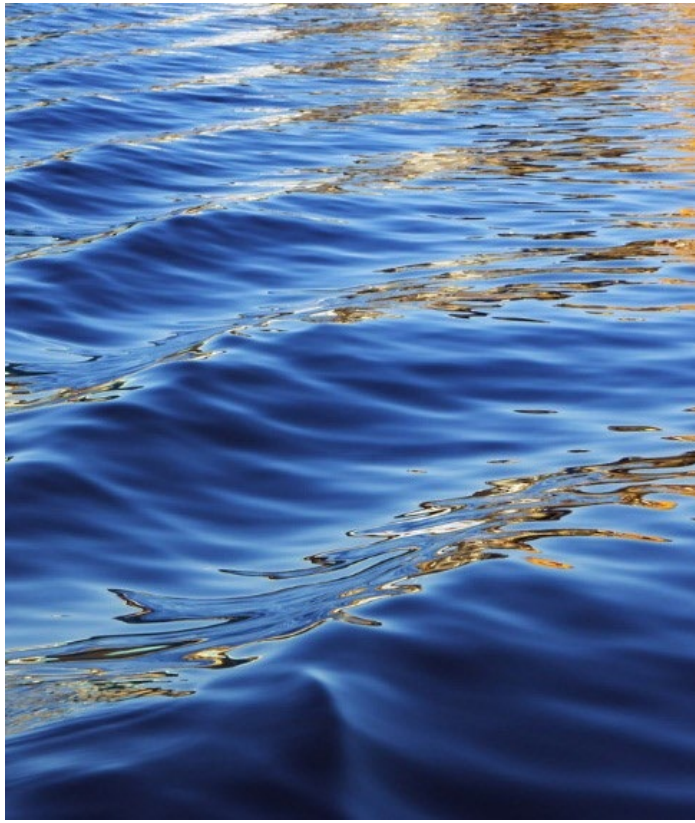
- EBMUD and City of Hayward SGMA Webpages
  - www.ebmud.com/sgma
  - www.hayward-ca.gov/your-government/departments/utilities/sustainable-groundwater-management

- East Bay Plain Subbasin Data Management System
  - https://eastbayplaindms.com/

- Sustainable Groundwater Management Act Portal
  - https://sgma.water.ca.gov



GSP Amendment Updates



DWR Recommended Corrective Actions & Proposed Resolutions

Corrective Action	Proposed Resolution	Where Addressed
1a. Provide seawater intrusion conditions, including maps and cross-sections.	• Chloride concentration maps have been added • Cross-sections were not developed due to lack of observed seawater intrusion	• Appendix 3.C
1b. Identify interconnected surface water systems and estimate the quantity and timing of depletions.	• Modeling was conducted to identify interconnected systems and estimate depletions for a future scenario with increased pumping • Stream isotope study was completed in 2023, but more data is needed to fill gaps (see #8c).	• Groundwater Modeling Appendix 6.E • Isotope Study: Section 2.2.2.6
2. Explain how the groundwater model represents the San Francisco Bay saline water and the water budget boundary.	• Groundwater model does not simulate Bay salinity, but it can be included in future model updates • Subbasin boundary is used for the water budgets.	• Section 2.2.3

DWR Recommended Corrective Actions & Proposed Resolutions

Corrective Action	Proposed Resolution	Where Addressed
3. Revise the SMC for chronic lowering of groundwater levels, land subsidence, and depletions of interconnected surface water to be based on fall groundwater levels.	• SMC for groundwater levels revised to using fall levels and subsidence updated to using satellite radar data • Surface water depletion SMC to be updated in the future after the DWR guidance document is released (before or as part of the next 5-year GSP update; see #8)	• Levels: Section 3.2.1 • Subsidence: Sections 3.2.4, 3.3.4, 3.4.4 & 3.5.1.4
4. Explain how groundwater levels thresholds below sea level will avoid undesirable results for the seawater intrusion.	• SMC for seawater intrusion has been updated from using movement of groundwater elevation contour as a proxy to monitoring chloride concentrations in sentinel wells (see #5)	• Sections 3.2.3, 3.3.3, 3.4.3 &3.5.1.3
5. Establish SMC and monitoring necessary for seawater intrusion using a chloride iso-contour as per the GSP Regulations.	• SMC updated to monitor chloride in sentinel wells near SF Bay to provide early warning of potential seawater intrusion	• Sections 3.2.3, 3.3.3, 3.4.3 &3.5.1.3

DWR Recommended Corrective Actions & Proposed Resolutions

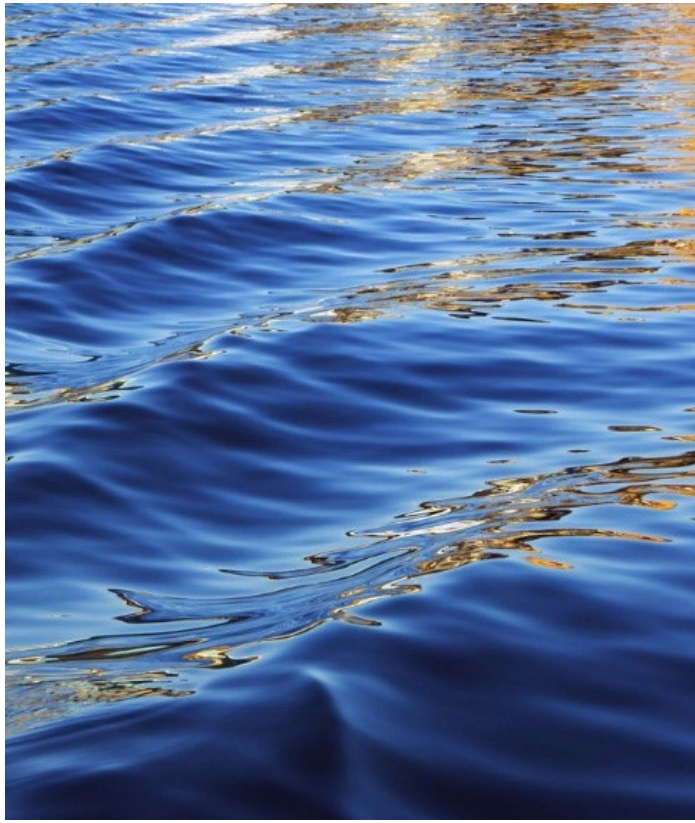
Corrective Action	Proposed Resolution	Where Addressed
6. Revise the definition of degraded groundwater quality undesirable results to include all groundwater extraction rather than limited to GSA-related management activities.	• Definition revised to be inclusive of all extraction	• Section 3.2.5
7a. Provide evidence that land subsidence is absent or establish SMC as required by GSP regulations.	• Subsidence SMC updated from using groundwater levels as a proxy to using the satellite radar dataset managed by DWR	• Sections 3.2.4, 3.3.4, 3.4.4, & 3.5.1.4
7b. Reevaluate to ensure water level minimum thresholds simultaneously avoid chronic lowering of groundwater levels and land subsidence.		

DWR Recommended Corrective Actions & Proposed Resolutions

Corrective Action	Proposed Resolution	Where Addressed
8a. Reevaluate the minimum threshold requirement that avoids dewatering of surface water.	• The GSAs will update the SMC in the future after the DWR guidance has been released to avoid developing another interim criteria (before or as part of the next 5-year GSP update) • Additional data to update the SMC is also still needed (see #8c)	• Not addressed in Amendment
8b. Use upcoming DWR guidance to set SMC for interconnected surface water.		
8c. Continue to fill data gaps and manage interconnected surface water depletions.	• Stream isotope study was completed in 2023 • Future shallow monitoring wells near key creeks and stream gages to be installed to fill data gaps	• Section 2.2.2.6
8d. Coordinate with agencies and stakeholders to assess surface water depletion.	• Ongoing meetings are being held	• Appendix 6.C (see list of meetings held)
9. Provide a table and labeled map of wells to monitor seawater intrusion.	• Map and table have been added	• Figure 3-7 and Table 3-16



Comments and Questions on Draft GSP Amendment





DWR Updates

