



East Bay Plain Subbasin Groundwater Sustainability Plan Development

Stakeholder Communications & Engagement Meeting

October 20, 2021

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Draft GSP Overview

Schedule Update

Stakeholder Comments on the Draft GSP

• Next Steps

GSP: Groundwater Sustainability Plan

Draft GSP Overview Organization

- Chapter 1: Introduction
- Chapter 2: Plan Area and Basin Setting
- Chapter 3: Sustainable Management Criteria
- Chapter 4: Projects & Management Actions to Achieve Sustainability Goal
- Chapter 5: Plan Implementation
- Appendices

Written to meet California Code of Regulations Title 23, Section 354: https://www.waterboards.ca.gov/laws_regulations/docs/wrregs.pdf

Developed using DWR's Best Management Practices and Guidance Documents: https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents

Draft GSP Overview East Bay Plain Subbasin and Stakeholder Outreach





- 6 TAC meetings
- 8 General Stakeholder meetings
- 7 Interbasin Working Group meetings

Draft GSP Overview Land Use & Basin Setting



Groundwater levels are stable and the basin is sustainable

Draft GSP Overview Sustainable Yield & Projected Future Water Budget

Initial Estimated Sustainable Yield = 12,500 acre-feet



Draft GSP Overview SMC Evaluation



Key Takeaways

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SGMA requires that the GSAs consider 6 sustainability indicators in the GSPs Interim SMC criteria for each indicator were developed with stakeholder input and using best available science & data with the caveat that major data gaps need to be addressed



SMC Evaluation Update: Degradation of Water Quality

Undesirable Results

 Significant and unreasonable degradation of GW quality caused by GSA projects and management actions Effects on beneficial users or uses

 Precludes beneficial use for drinking water Data Gaps

 Lack of historical water quality data to establish baseline concentrations



, Interim Criteria for URs

Action Levels

If concentrations > 50% of MT for a constituent with Primary MCL (nitrate and arsenic), GSA to conduct additional investigation of cause(s)

- If concentrations > 75% of MT for a constituent with Primary MCL, GSA acts to avoid undesirable result (if caused by GSA activity) or reports to appropriate agencies (if not caused by GSA activity)
- 25% of Representative Monitoring Site (RMS) wells exceed MT

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SMC Evaluation Update: Degradation of Water Quality

Interim MT

- MCLs: Nitrate (primary) – 10 mg/L Arsenic (primary) – 10 ug/L TDS (secondary) – 500 mg/L Chloride (secondary) – 250 mg/L
- If baseline concentration already exceeds MCL, assign 20% increase from baseline

Justification

- GW quality is generally acceptable if below an established MCL
- 20% increase is based on evaluation of 3 potential sources of fluctuations:

 (1) analytical lab methods
 (2) sampling methods
 (3) variability in GW system

Interim MO and IMs

• Average baseline concentrations where data are available

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SMC Evaluation Update: Degradation of Water Quality



MO = Measurable Objectives MT = Minimum Threshold d = Deep Aquifer Zone

Draft GSP Overview Representative Monitoring Site Wells



Monitoring wells shown in the map at left are intended to fill the following data

- Limited historical groundwater level
- Limited wells in the North
- Limited data on groundwater dependent ecosystems
- Lack of direct measurements of
- Lack of chloride measurements and shallow wells near Bay margin
- Lack of historical concentration data to establish baseline concentrations
- Subsidence has only been directly measured in the EBP Subbasin using the extensometers near EBMUD's
- Limited to no data on streamflow and stream-aquifer interconnection

Draft GSP Overview Monitoring Actions







SURFACE WATER MONITORING







Monitoring actions are going to fill data gaps to drive science-based solutions in the future.

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Schedule Update

					Today 10/20	GSA Bo Considera		DWR Deadline 1/31/22
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Public Hearing and GSA Boards							*	*
Stakeholder Meetings	\star	TAC	\star		*			
Draft Plan			-					
Public Notification				9/7 12/6 90 Days				
Public Review of Draft Plan				9/17	45 Days	11/1		

Stakeholder Comments



Next Steps

Stakeholder comments due by November 1

- •Complete and email the comment form available on EBMUD's and Hayward's websites
- •Email or mail a comment letter

GSAs to review and respond to comments