Eastern San Joaquin Subbasin Groundwater Sustainability Workgroup May 8, 2019



Agenda



- Meeting Objectives
- Bundle 1 Draft Chapter Overview
- Implementation Plan
- Announcements

Meeting Objectives

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- 1. Discuss draft chapters and review HCM requirements
 - Presentation and discussion of draft GSP chapters in Bundle 1 and timeline for comments.
- 2. Identify elements needed in GSP implementation plan
 - Brainstorm for elements needed in the GSP implementation plan and next steps.
 - Discussion Item: Provide Input of GWA next steps. Next steps for Workgroup?

Bundle 1 – Draft Chapter Overview

Bundle 1 – Draft GSP Chapters



Bundle 1 has been posted to website homepage: www.esjgroundwater.org

- Text includes includes:
 - Administrative Information
 - Plan Area
 - Hydrogeologic Conceptual Model (HCM)
 - Data Compilation
 - Data Management System (DMS)
- <u>Comments due June 1, 2019</u> (note: this is in addition to the 30-day public review period for the draft GSP)



INFORMATIONAL MEETINGS >

ABOUT US -

STAY INFORMED

GET INVOLVED -

AGENDAS

CONTACT US

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Draft GSP Chapters Bundle 1

Draft GSP – Administrative Information



- 1.1 Purpose of the Groundwater Sustainability Plan
- 1.2 Sustainability Goal
- 1.3 Agency Information
 - 1.3.1 Eastern San Joaquin Authority Joint Powers Agreement
 - 1.3.2 Agency Contact Information
 - 1.3.3 Organization and Management Structure of the GSAs
 - 1.3.4 Legal Authority of the GSAs
 - 1.3.5 Estimated Cost of Implementing the GSP and Approach to
 - Meeting Costs (In progress)
- 1.4 GSP Organization

Draft GSP – Plan Area



2.1 Description of the Plan Area

- 2.1.1 Summary of Jurisdictional Areas and Other Features
- 2.2 Plan Area Monitoring
 - 2.2.1 Existing Water Resources Monitoring and Management Programs
- 2.3 Land Use Elements or Topic Categories of Applicable General Plans
 - 2.3.1 Existing General Plans
 - 2.3.2 Land Use Plans Outside the Subbasin
 - 2.3.3 Well Permitting
- 2.4 Additional GSP Elements (In progress)
- 2.5 Notice and Communication
 - 2.5.1 Beneficial Uses and Users in the Basin
 - 2.5.2 Communications

Draft GSP – HCM



3.2 Hydrologic Conceptual Model

- 3.2.1 Regional Geologic and Structural Setting
- 3.2.2 Geologic History
- 3.2.3 Near-Surface Conditions
- 3.2.4 Geologic Formations and Stratigraphy
- 3.2.5 Faults and Structural Features
- 3.2.6 Geologic Cross-Sections
- 3.2.7 Basin Boundaries
- 3.2.8 Principal Aquifer
- 3.2.9 HCM Data Gaps

Draft GSP – Data Compilation & DMS



3.1 Data Compilation

- 3.1.1 Groundwater Level Data
- 3.1.2 Groundwater Quality Data
- 3.1.3 Stratigraphic Data
- 3.1.4 GIS Data
- 5. Data Management System (DMS)

5.1 Overview of the Eastern San Joaquin Subbasin Data Management System

5.2 Functionality of the Data Management System

- 5.2.1 User and Data Access Permissions
- 5.2.2 Data Entry and Validation
- 5.2.3 Visualization and Analysis
- 5.2.4 Query and Reporting
- 5.3 Data Included in the Data Management System

Review: Hydrogeologic Conceptual Model Requirements

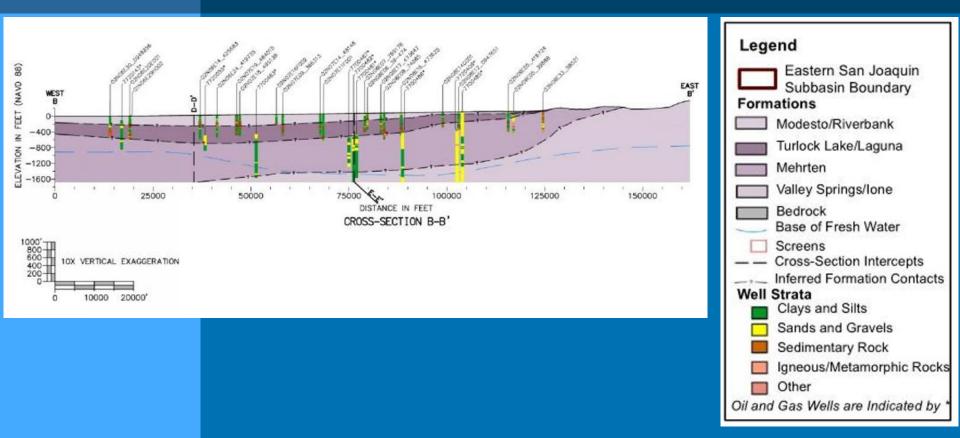
Hydrogeologic Conceptual Model Requirements



- 1) Description of the physical components of the subbasin
- 2) Scaled cross-sections
- 3) Maps of physical characteristics:
- Topographic information
- Surficial geology
- Soil characteristics
- Recharge areas
- Surface water bodies
- Source and point of delivery for imported water supplies

Example: B-B' Cross-Section





Implementation Plan

Items for GSP Implementation (Non-Project) – Part 1 of 3



- Establishment of Monitoring Program
 - Coordination with monitoring entities
 - Creation of monitoring information (sheets/info/locations/etc.) for each monitoring point
 - Hiring/oversight of staff/contractors to do the monitoring
- Data collection & analysis
 - Water levels
 - Water quality
- Annual reporting
- Data Gaps

Items for GSP Implementation (Non-Project) – Part 2 of 3



- 5-yr update
 - Threshold evaluation and updating
 - Numerical Model Updates / Coordination
 - Incorporate new data sources (data gaps filled)
 - Recalibrate if necessary
 - New forecasts
 - Documentation, etc.
 - Evaluation of Initial GSP effectiveness
 - Plan to improve GSP (if needed)

Items for GSP Implementation (Non-Project) – Part 3 of 3



- Annual DMS updates (programming, data updates)
- General administration per coordination agreement (including audits, office expenses, insurance)
- Budget/schedule monitoring
- Public outreach
- Website maintenance
- GSA Board support (legal, administrative)
- Advisory Committee meeting support (administrative)
- Legal support
- Grant writing and administration



Discussion: Provide Input of GWA next steps. Next steps for Workgroup?

Announcements

Chapter Deliverable Release – Bundle 2



 Bundle 2 (Water Budget and Current & Historical Conditions sections) will be released next – anticipated June 5.

Eastern San Joaquin Subbasin Groundwater Sustainability Workgroup May 8, 2019

