

EKI TECHNICAL PRESENTATION #32

COSUMNES SUBBASIN GSP DEVELOPMENT

15 SEPTEMBER 2021

COSUMNES SUBBASIN WORKING GROUP MEETING

AGENDA ITEM #2

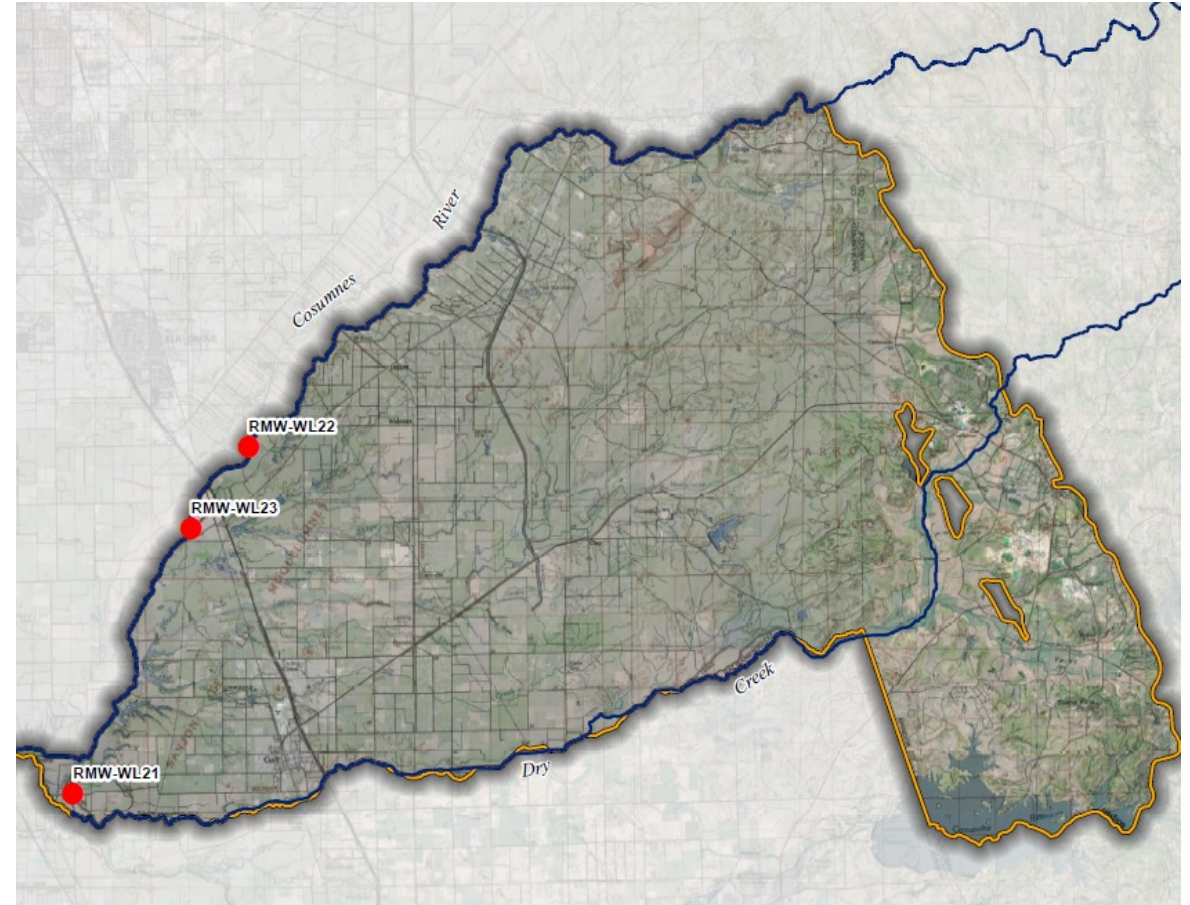
GSP TECHNICAL WORK PROGRESS AND PLANNING

- Prop 68 Updates
- GSP Update – 2021 look ahead
- Annual Report needs and timeline

PROP 68 UPDATES

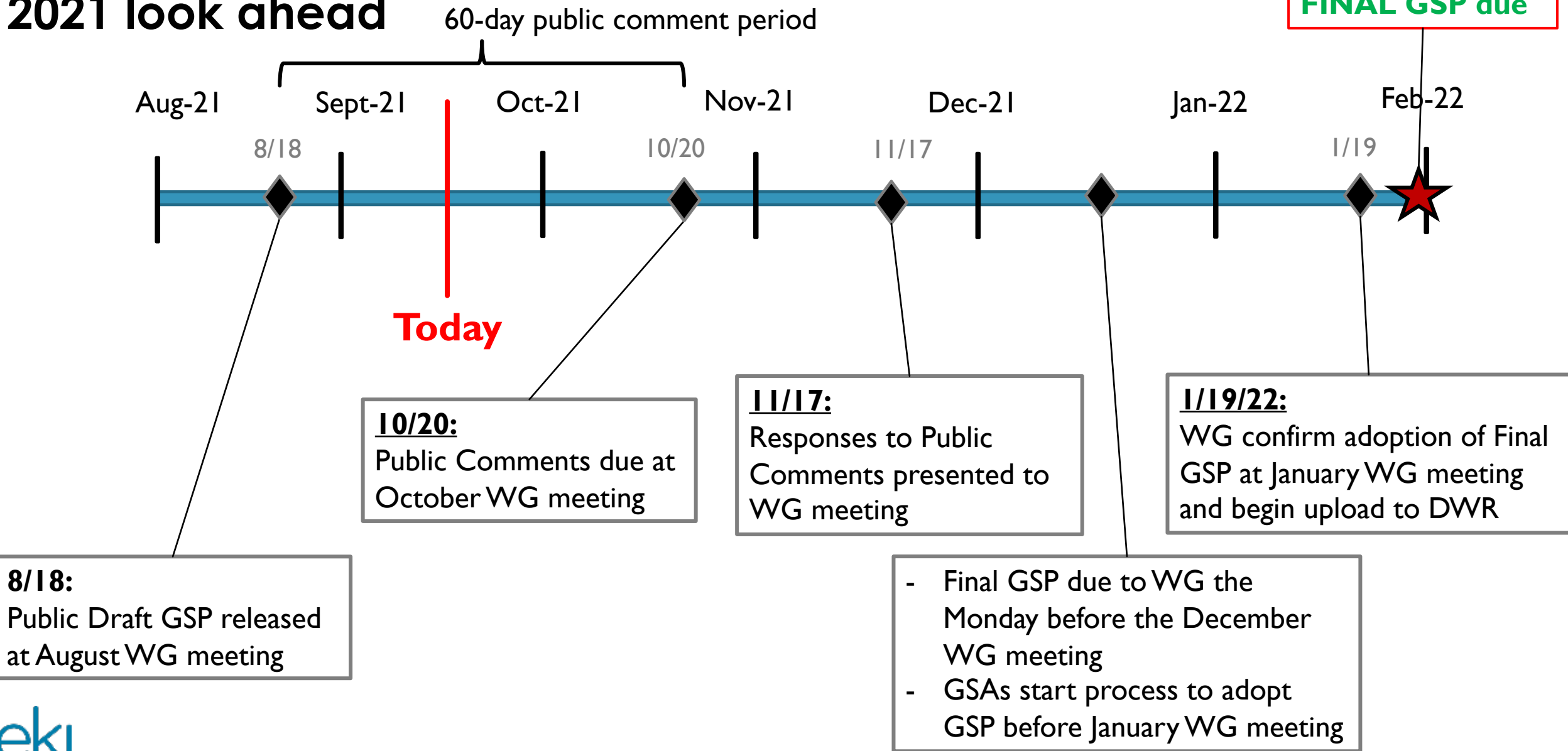
Monitoring Well Installation

- Encroachment permit for final site expected to be finalized mid-October
- Bid sent out to 6 drillers
 - As of today, the earliest we can drill is November 15th
- Bid sent out to 4 surveyors



GSP UPDATES

2021 look ahead



ANNUAL REPORT NEEDS (1 OF 4)

Required exhibits:

- Groundwater elevation contour maps for the principal aquifer for seasonal high and seasonal low conditions (§356.2(b)(1)A)
 - Contours based on monitoring event data
- Groundwater elevation hydrographs for each Representative Monitoring Site established for the Chronic Lowering of Groundwater Levels Sustainability Indicator (§356.2(b)(1)B)
 - Hydrographs based on monitoring event data, real-time data (transducers) and data included in the DMS from January 1, 2015 through Water Year 2021
- Tables of groundwater elevation monitoring data collected during Water Year 2021 at each Representative Monitoring Site, including the SMCs established at each site
 - Monitoring event data
- Table and map depicting change in ground surface elevation based on subsidence monitoring data
 - Data needs to be downloaded from subsidence monitoring station within the Basin
- Table and maps documenting new water quality monitoring data for the principal aquifer
 - Data from the monitoring events (RMWs) and publicly available data (SDWIS Division of Drinking Water)

ANNUAL REPORT NEEDS (2 OF 4)

Required exhibits:

- Tables of groundwater extraction by water use sector (§356.2(b)(2))
 - Available metered data (City of Galt, AWA, landowner meters)
 - Estimated agricultural pumping (numerical model)
 - Other pumping estimates (aquaculture, ag-res, etc.)
- Map depicting general location and volume of groundwater extraction (§356.2(b)(2))
- Tables of surface water usage by source and by water use sector (§356.2(b)(3))
 - Download diversion data from eVRIMs
 - Data provided by the GSAs
- Tables of total water usage by type, source, and water use sector (§356.2(b)(4))
- Change in groundwater storage maps for the principal aquifer (§356.2(b)(5)A)
 - Based on measured water levels and numerical model output
- Graph showing the estimated annual change in storage versus Water Year type (§356.2(b)(5)B)
 - Based on measured water levels and numerical model output from January 1, 2015 through Water Year 2021

ANNUAL REPORT NEEDS (3 OF 4)

Progress towards Sustainability Goals

- Descriptions of progress made towards achieving the Sustainability Goal
- Summary of PMA implementation and projects status updates
- Documentation of work towards filling data gaps

Additional Components

- Executive Summary
- Location Map
- Document stakeholder outreach and coordination efforts
- Written descriptions for the required exhibits (groundwater elevation contour maps, groundwater elevation hydrographs, groundwater extraction, surface water supply, ground surface elevation changes, & change in storage estimates)

ANNUAL REPORT NEEDS (4 OF 4)

ANNUAL REPORT SUBMITTED BY APRIL 1ST 2022

Annual Report Preparation includes the following tasks:

- Compile and Process/Analyze Sustainability Indicator Data
- Compile and Process/Analyze Usage Data, Groundwater Extraction Data
- Prepare 2022 Annual Report
- Upload and Submittal of Annual Report and Associated Data

Annual Report Timeline:

- Work needs to begin no later than December 2021 (4 months prior to due date)

TASK	2021				2022			
	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
Task 1. Ongoing Coordination and Project Management								
Kickoff Meeting			◆					
Task 2. Compile and Process/Analyze Sustainability Indicator Data								
Task 3. Compile and Process/Analyze Water Usage Data, Groundwater Extraction Data								
Task 4. Prepare 2020 Annual Report								
Exhibit Review						■		
Final Draft Report Review							■	
Task 5. Upload and Submittal of Annual Report and Associated Data								◆

THE END