



Meeting Summary: ECC GSP

East Contra Costa GSP Model Meeting

When: Thursday July 14, 2021, 10:00 a.m. to 11:00 a.m.

Where: Zoom call

Attendees: Aaron Trott, Dan Muelrath, , Faithe Lovelace, Jackson Cook, James Wolfe, Lisa Beutler, Maggie Dunton, Marilyn Tiernan, Megan Murray, Mike Davies, Nacho Mendoza, Nick Janes, Paul Seger, Scott Buenting, Tom Elson, Vicki Kretsinger

ACTION ITEMS June 2021

ITEM	OWNER	DUE
1. Report on timeline of DWR survey for Governor’s budget grant funds.	Jackson Cook	Aug 11th
2. Provide budget for a transport model development (see Section 9).	LSCE	Done
3. Provide model input for GSA wells (see Section 5).	LSCE	Done

1. **Meeting Summary** Tom Elson provided an update on GSP Sections 5-9.
 - a. In response to findings regarding sustainability scenarios in Section 5, Aaron Trott asked about stream depletion and the link between ECC deep aquifer zones and the Delta.
 - i. Tom stated that the most direct source of water to pumping wells is localized as evidenced by estimating cones of depression. On a larger scale, groundwater is replenished to the subbasin by multiple sources including precipitation, deep percolation of applied water, and from various surface water sources including streams, rivers, and water conveyances. At higher annual groundwater extraction rates, say double the historical baseline, analysis of the subbasin water budget indicates a greater contribution from streams and the Delta as compared to the historic baseline. This would occur over many years during which the water balance changes as more water is removed from storage. In addition, the analysis indicates that under such a scenario, less water moves laterally from the ECC Subbasin to other basins.
 - ii. With regard to potential connections that are more direct, which would be of concern to a water substitution as employed by ECCID and CCWD, Tom noted that municipal users also pumping from deep aquifer zones (i.e., DWD, City of Brentwood, and TODB) cannot pump water under the direct influence of surface water. These wells are completed in a manner that provides hydraulic isolation from surface water bodies in the subbasin. Thus, even wells in Discovery Bay which are surrounded by waterways do not directly deplete surface water.
 - b. Tom informed the group that monitoring well installations will be initiated in the next few weeks and that funding is available for additional sites. The available funding is a result of differences between what was known at the time of the grant application and subsequent data gap analysis presented in the GSP. Additional

- candidate sites are being identified in DWD's GSA to increase monitoring of connections between groundwater and the Delta.
- i. Tom asked whether ECCID has access for siting a monitoring well along Old River. Arron said ECCID land is located farther away from Old River. He indicated he could assist in working with CCWD which has more access at Old River.
 - c. Marilyn Tiernan (DWD) raised a concern by her and other neighbors regarding groundwater hardness and asked how the GSP is addressing this issue.
 - i. Tom indicated that while hardness is a natural characteristic of groundwater in the subbasin, water quality monitoring would seek to determine whether changes in pumping patterns or quantities will adversely affect domestic well owners such as through increased hardness. While the GSP monitoring plan focuses on other constituents like chloride ion, degradation as a result of sustainable management activities would be a factor in satisfying sustainability criteria.
 - d. Aaron asked how pumping can impact water quality in the Subbasin noting that ECCID wells exhibit high water quality variability even in close proximity.
 - i. Tom replied, yes, the degree of pumping can affect water quality from a broad perspective of total dissolved minerals including hardness, but also individual constituents such as arsenic and manganese. Changes could arise with higher overall extraction rates as different zones contribute more at higher vertical and lateral gradients.
 - e. Aaron asked whether groundwater recharge could be employed to improve water quality. Tom noted that the shallow water table and other barriers to vertical flow make conventional recharge, such as with basins, likely impractical. Direct recharge through injection wells would be a more likely approach but comes with its own limitations including the need for treatment such as microfiltration. Vicki Kretsinger pointed out other potential issues arising from incompatibility between in-situ groundwater and the injected water.
 - i. Dan Muelrath informed the group that DWD is actively looking into recharge with recycled water to mitigate hardness in the District's well water sources. He invited anyone interested to attend a mini workshop on July 28th in which water quality related topics will be discussed.
 1. Aaron asked if DWD has investigated how recharge water would react with the natural source water and native aquifer materials, particularly with respect to causing mechanical problems with pumps or increased metal concentrations.
 2. Megan Murray provided updates on the Public Meeting on June 23rd.
 - a. The meeting video has been posted to the website and YouTube.
 - i. Marilyn mentioned that people in her district saw the video on Facebook and have lots of questions and they want to know where to ask those questions.
 - ii. Lisa Beutler let her know that the video is posted to the website and questions can be asked there.
 - b. Lisa reminded the entities to send Outreach and Communication data.

- c. Megan informed the group that newspaper ads for the new chapters will be going out soon.
 - i. Dan suggested a change from a legal format to something that might be more readily consumed by readers.
 - d. Mike Davies suggested that future public meetings be held later in the day to allow more access by the public.
 - i. Lisa replied that a 6 pm start time might allow more participants and is consistent with how other GSAs are conducting public outreach meetings.
 - e. Tom reminded the Working Group of the email request for estimates of staff time to be used in Section 9, Implementation.
3. Jackson Cook provided an update on outreach DWR is conducting to see how various agencies are responding to the drought. The purpose of the outreach is to assess how the state might enact emergency drought response measures to help meet short- and long-term needs.
 4. The Byron Bethany Airport EIR has been released to the public.
 - a. DWD is currently reviewing the document and will report on its findings to the Working Group. Tom stated that LSCE has reviewed the Water Supply Assessment.
 - i. Dan said we should be prepared to discuss in more depth when Ryan Hernandez attends the next meeting.
 - ii. Dan stated a desire that GSAs take steps to ensure that they work together to inform each other of projects that may potentially impact others. Marilyn indicated the importance of this in light of past and current increases in housing development in Oakley and Tracy.
 5. Dan asked how other agencies are informing their Boards regarding GSP progress and updates. His question stemmed from a desire that Boards be fully apprised so that the GSP can be approved with minimal changes toward the end of the process.
 - a. Aaron stated that he provides updates to his Board and informs them when new chapters are ready for review.
 - b. Paul Seger indicated that he thinks some other Board members are not as informed as the DWD Board. He plans to pass along meeting invites to them.
 6. Next meetings:
 - a. Tuesday July 20th, 11 am to noon, Communications Meeting
 - b. Wednesday August 11th, 10 am to 11:30 am, ECC GSP Working Group



Agenda: ECC GSP
East Contra Costa GSP Working Group and
Communications Committee Meeting
When: Wednesday July 14, 2021, 10:00 a.m. to 11:30 a.m.

Zoom link: <https://zoom.us/j/93403665275?pwd=VTd0N2hFdWcyMFdLT21aVkRka3A2UT09>

Purpose

1. GSP Sections 5, 7, 8 and 9
2. New Monitoring Wells and other GSP matters
3. Outreach and Communications

Agenda

#	Item	Presenter
1.	<p>GSP Updates</p> <ul style="list-style-type: none"> • Draft Section 5-Water Budget <ul style="list-style-type: none"> ○ To be sent to GSAs this week • Section 6: New Monitoring Well Location-review of data gap areas <ul style="list-style-type: none"> ○ Old River (ECCID?) ○ Point between Antioch and Bethel Island shallow well for Shallow Zone data gap. ○ Survey wells that are in basin-wide and representative monitoring programs but do not have surveyed reference point elevation. • Draft Sections 7, 8, and 9 posted to Website June 22. Request Public comments July 16 to August 16th. GSAs can post link to ECC GSP Website. • Section 7 modified to set MT using model water budget. • Draft Section 8 and 9 <ul style="list-style-type: none"> ○ Parts being reviewed by a third party economist. <ul style="list-style-type: none"> • Request for overhead (staff) costs. ○ ECCID/CCWD water transfer to be added as a project. 	Tom
2.	<p>Other GSP Matters</p> <ul style="list-style-type: none"> • Monitoring well bid results and schedule • Well inventory for Subbasin • Enforcement of management actions (e.g., well meters, spacing) 	Tom
3.	<p>GSP Outreach & Communication:</p> <ul style="list-style-type: none"> • GSA outreach documentation: submit to Stantec--status. • Recap Virtual Public Meeting: Wednesday June 23rd. <ul style="list-style-type: none"> ○ Public responses and comments to sections posted online and public meeting. • Communications meeting Tuesday July 20: Planning for September public meeting. • Website updates 	Megan/ Lisa/Ryan

#	Item	Presenter
4.	<p>GSP Schedule</p> <ul style="list-style-type: none"> • See Table 1 below with current timeline. • NOI to adopt a GSP: All letters have been sent and confirmations received by LSCE. • 1st Annual Report-- Due April 1st, 2022. When do GSA boards need the report for board approval? January 15th to Feb 1st? 	<p>Debbie/ Tom</p>
5.	<p>Other</p> <ul style="list-style-type: none"> • Byron Airport EIR released Thursday June 24th. https://www.contracosta.ca.gov/DocumentCenter/View/71294/Byron-Airport-Development-Program-Draft-Environmental-Impact-Report-DEIR-June-2021-PDF 	<p>Ryan/Dan</p>
6.	<p>Grants</p> <ul style="list-style-type: none"> • PR11 will be submitted by end of July. 	<p>Debbie/ James</p>
7.	<p>DWR Updates</p> <ul style="list-style-type: none"> • DWR expected to send out a survey (end of June to early July) to GSAs to receive feedback on basin needs to guide Governor’s budget grant funds. 	<p>Jackson</p>
8.	<p>Upcoming Meetings:</p> <ul style="list-style-type: none"> • Wed. August 14, 10-11:30 am: GSP Working Group Meeting • Tuesday July 20 11-12 Communications meeting, plan September public meeting. • Mid-September, Public Meeting for final entire GSP 	

July 8, 2021: GSP Section Status			
GSP Section	To GSAs for review	Post to ECC Website	Public Comment Period/ Due Date
1. Introduction to East Contra Costa GSP		April 2020	April to July 2020
2. Plan Area			
3. Basin Setting		October 2020	10/30/2020 to 1/15/2021
4. Historical, Current, and Projected Water Supply		November 2020	11/2020 to 1/15/2021
5. Water Budget	July 15-30, 2021	August 9 2021	Aug 9 to Aug 23 2021
6. Monitoring Network, Data Management System and Reporting	Jan 26-Feb 25 2021	April 8,2021	4/8/2021 to 5/3/2021
7. Sustainable Management Criteria (SMC)	April 25-May 24		
8. Projects and Management Actions (PMA)		June 23	7/16 to 8/16/2021
9. Plan Implementation	May 25-June 15		
10. Notice and Communications	August 1-15,2021	August 15,2021	8/15-8/25/2021
11. References	Done		
90 Day Notice of Intent to Adopt			7/1/2021 to 9/28/2021
Public Draft GSP with Public Meeting (all public comments due by 9/30/2021)			9/1/2021 to 9/30/2021
Submit Board package with final GSP			10/15/2021
Board adoption by each GSA and "Public hearing" ^b			11/16/2021 or Dec
Submit to DWR			Final date 1/31/2022

Blue text indicates document has been submitted.

a. **Public Outreach:** 1) June 23, 3:30-5:30 pm virtual public meeting (Section 5 to 9), 2) September 2021 public meeting (entire GSP).

b. All GSAs adopt the same GSP. The GSP cannot be changed after the first GSA adoption. The Board adoption/public hearing will be after final public comments are due (9/30/2021), any comments on the GSP after this date can be made to DWR.

ACTION ITEMS June 2021

ITEM	OWNER	DUE
1. Provide budget for a transport model development	LSCE	Done
2. What are mechanisms for drains in model?	LSCE	July 14th