

## Meeting Brief

- **Overview:** Representatives from Antelope, Bowman, Butte, Colusa, Corning, Los Molinos, Red Bluff, Vina, and Wyandotte Creek subbasins held their third inter-basin coordination meeting. Subbasin staff and their consultant teams met with the goals of (1) providing an update on their GSP development status, (2) discussing approach to technical coordination, (3) refining the technical information-sharing template, and (4) updating the inter-basin coordination road map, including goals, task, and key points for consultant participation.
- **Next Steps:** CBI will incorporate suggestions to the information-sharing template and share with the group for further refinements. The NSV inter-basin coordination group agreed to complete the information-sharing template in stages. By September 15<sup>th</sup>, technical consultants will fill out information about their models (Note: following the meeting, this deadline was adjusted to September 22<sup>nd</sup>). By November 19<sup>th</sup>, consultants will fill out most of the information on cross-boundary flows, stream-aquifer interactions, and common hydrogeologic understanding. Participants will revisit conversations about Sustainable Management Criteria and Monitoring Networks at the next meeting. As the information is compiled, the group will identify any significant differences and potential issues.
- The next meeting with staff and consultants will take place on **December 1, 2020 from 1:00-3:00 pm.**

## Action Items

Item	Lead	Completion
<input type="checkbox"/> Incorporate feedback and integrate changes in the inter-basin coordination documents.	CBI	Ongoing
<input type="checkbox"/> Provide written feedback on inter-basin coordination technical information-sharing document.	All subbasin representatives	By Sept 4
<input type="checkbox"/> Complete “Models” Tab in information-sharing documents.	Consulting Teams	By Sept 15 (Adjusted to Sept 22)
<input type="checkbox"/> Complete information on cross-boundary flows, stream-aquifer interactions, and common hydrogeologic understanding.	Consulting Teams	By Nov 19
<input type="checkbox"/> Schedule the next staff and consultants inter-basin coordination meeting (late November/early December).	CBI	<b>Complete</b> Scheduled for Dec 1 from 1-3PM.
<input type="checkbox"/> Share updated inter-basin coordination map, identifying key boundaries and streams.	Christina Buck (Butte County)	<b>Complete</b>

## Summary

### 1. Meeting Purpose and Introduction

This was the third meeting of the Northern Sacramento Valley (NSV) inter-basin coordination group, and the first meeting with subbasin staff and their consulting team. The group aims to foster improved and coordinated groundwater management across NSV subbasins. Groundwater Sustainability Agency (GSA)

representatives from NSV subbasins – Antelope, Bowman, Butte, Colusa, Corning, Los Molinos, Red Bluff, Vina, and Wyandotte Creek– met for the purposes of:

- Sharing the statuses of GSP development for the various subbasins
- Discussing approach to technical coordination and refining the inter-basin coordination technical information-sharing template
- Defining key milestones, goals, and next steps

**Meeting Materials:** All materials can be found in the shared Dropbox Folder ([Access here](#))

1. Agenda
2. NSV Inter-basin Coordination Directory
3. NSV Technical Information-Sharing Template ([Access here](#))
4. SGMA NSV Inter-basin Decision-Log
5. Draft Inter-Basin Coordination Flyer

## 2. GSP Development Status

Each subbasin gave a brief update on its current Groundwater Sustainability Plan (GSP) development status. Staff from other subbasins had the opportunity to ask clarifying questions.

- **Antelope, Bowman, Los Molinos, and Red Bluff Subbasins:** The GSA is working with Luhdorff & Scalmanini Consulting Engineers (LSCE) on GSP completion. The four subbasins are currently focused on Basin Setting Chapters. An Ad Hoc Group has been meeting to discuss groundwater conditions and Groundwater Dependent Ecosystems (GDEs). Tehama County is also working on Public Outreach efforts and exploring mechanisms for funding moving forwards. They are anticipating the Draft Basin Setting Chapters to be ready in December.
- **Corning Subbasin:** The two GSAs (Corning Sub-basin GSA and Tehama County Flood Control & Water Conservation District GSA) are working on the Introduction and Basin Setting Chapters. They recently submitted a Technical Support Services (TSS) application for a monitoring well and a Facilitation Support Services (FSS) application for facilitation support for stakeholder outreach and engagement services.
- **Colusa Subbasin:** The Colusa Subbasin is working on Basin Setting Chapters. They are completing the Hydrogeological Conceptual Model (HCM) and Water Budgets and are now shifting gears towards Monitoring Network and GDEs. All public outreach has taken place virtually. Joint Colusa Groundwater Authority (CGA) and Glenn Groundwater Authority (GGA) Technical Advisory Committees (TAC) continue to meet frequently to conduct technical reviews and provide feedback to consultants. Lastly, a Colusa Subbasin stakeholder requested a “report card” comparing technical approaches being used by other subbasins in the region and identifying potential issues. Subbasin staff would like to follow up on that request and brief audiences on inter-basin coordination efforts on a regular basis.
- **Vina, Butte, and Wyandotte Creek Subbasins:** Draft Basin Setting chapters have been released for public review and comment, ending on September 8. Staff will present a compilation of public comments received to the Vina Subbasin Advisory Committee (SHAC) and to the Butte Subbasin Advisory Board (BAB) in September and October. Regarding GDEs, Kelly Peterson (Butte County) is leading effort with a GDE working group. The various GSAs are now shifting gears to other elements of GSP completion, focusing on Sustainable Management Criteria (SMC) and Project and Management Actions (PMAs). They aim to complete an initial draft by mid-winter and release for public review in spring.
- **Other neighboring subbasins:** Joe Turner will be working with the Sutter subbasin. They had an alternative plan that was not approved by DWR and are now focusing on GSP completion. Enterprise

Anderson GSA has completed most of the background information and is now working on SMC. They are finalizing model calibration, as they are building a new hydrological model.

### 3. Inter-basin Coordination Technical Information-Sharing Template

#### Information-Sharing Template:

CBI refined the technical information-sharing template based on feedback received during the previous meeting. The template is closely aligned with [Article 8 §357.2 \(b\) \(1\) through \(4\)](#). Further, it aimed to document the different models being utilized to identify potential asymmetries and inform strategies to coordinate across basin boundaries. CBI presented an updated draft. GSA staff and consultants provided feedback.

#### Comments | Suggestions

- + Include a “Read Me” tab with key information and instructions to provide guidance. Add clarifying information in each tab to specify the type of information needed.
- + Separate (1) Cross-Boundary Flows, (2) Stream-Aquifer Interactions, (3) Common Hydrogeologic Understanding, and (4) Sustainable Management Criteria & Monitoring Networks in different tabs.
- + For (1) Cross-Boundary Flows and (2) Stream-Aquifer Interactions, include rows for both directions to be able to compare between models (e.g., Butte to Colusa, Colusa to Butte).
- + For (1) Cross-Boundary Flows: estimates will represent groundwater flow across the vertical extent of the subbasin, including consistent and coordinated data, methods, and assumptions. The timeframe will be 2000-2015.
- + For (2) Stream-Aquifer Interaction, each subbasin will add a row per stream/creek. If a boundary does not have a stream, they will add NA. Data overview will include average Streambed Coefficient in feet per day. Lastly, estimates will represent net stream gain/loss from the perspective of the aquifer, using the timeframe (2000-2015).
- + (3) Common Hydrogeologic Understanding and (4) Sustainable Management Criteria & Monitoring Networks will include a narrative describing the meta data, useful citations, and links to graphics that show model layers.
- + Participants discussed how future conditions will diverge, particularly as subbasins incorporate climate change and land-use change assumptions.
- + Subbasins are at different stages of GSP completion, so many will not have all of the estimates to share for cross-boundary flows, stream-aquifer interactions, hydrogeologic conditions, SMC, and Monitoring Networks at the same time.

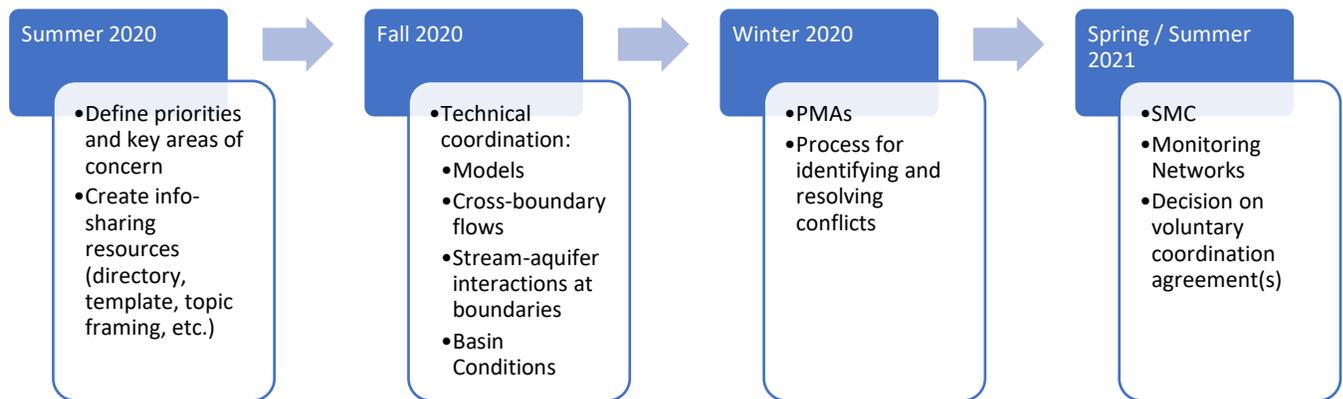
#### Outcomes

- + The NSV inter-basin coordination group agreed to complete the information-sharing template in stages. By September 22nd, technical consultants will fill out information about their models. By November 19<sup>th</sup>, consultants will fill out most of the information on cross-boundary flows, stream-aquifer interactions, and common hydrogeologic understanding. Participants will revisit conversations about Sustainable Management Criteria and Monitoring Networks at the next meeting. As the information is compiled, the group will identify any significant differences and potential issues.

- + After filling the template, the group suggested consultants may benefit from checking in with each other to discuss any differences. They could begin to identify why the estimates are different and come prepared to the next meeting to discuss ways to reconcile those differences.

## 4. Inter-basin Coordination Road Map

The group used an [online blackboard](#) to brainstorm inter-basin coordination goals, tasks and next steps for inter-basin coordination. See results below. The road map will be adapted and refined throughout the process.



Other priorities for future discussion:

- + Outreach & Engagement Plans
- + Funding coordination

## 5. Next Steps

- + CBI will incorporate suggestions to the information-sharing template and share with the group for further refinements by September 4<sup>th</sup>.
- + During the meeting, consultants agreed to fill out the Models Tab by September 15<sup>th</sup>. After the meeting, the group decided to push back the deadline to September 22.
- + Consultants will aim to fill all other elements in Phase 1 (Cross-Boundary Flows and Stream Aquifer interactions) by November 19.
- + CBI will compile all the data and share with the group before the next meeting.
- + The group, including staff and consultants, will reconvene the first week of December to review compiled data, identify significant differences, and discuss potential ways to reconcile those differences.

## Meeting Participants

Participant	Representation/Affiliation	Subbasins
<b>Staff</b>		
Christina Buck	Butte County	Butte, Vina, and Wyandotte Creek
Kelly Peterson	Butte County	Butte, Vina, and Wyandotte Creek
Paul Gosselin	Butte County	Butte, Vina, and Wyandotte Creek
Mary Fahey	Colusa Groundwater Authority	Butte and Colusa
Lisa Hunter	Glenn County and Glenn Groundwater Authority	Butte, Colusa, and Corning
Ryan Teubert	Tehama County Flood Control and Water Conservation District	Antelope, Bowman, Corning, Los Molinos, and Red Bluff
Nichole Bethurem	Tehama County Flood Control and Water Conservation District	Antelope, Bowman, Corning, Los Molinos, and Red Bluff
<b>Consultants</b>		
Byron Clark	Davids Engineering	Butte and Colusa
Joe Turner	Geosyntec	Vina and Wyandotte Creek
Eddy Teasdale	Luhdorff & Scalmanini Consulting Engineers (LSCE)	Antelope, Bowman, Corning, Los Molinos, and Red Bluff
Lisa Porta	Montgomery & Associates	Corning
<b>Facilitation Team</b>		
Tania Carlone	Consensus Building Institute	Antelope, Bowman, Butte, Corning Los Molinos, Red Bluff, Vina, and Wyandotte Creek
Mariana Rivera-Torres	Consensus Building Institute	Antelope, Bowman, Butte, Los Molinos, Red Bluff, Vina, and Wyandotte Creek