

STATE BOARD COMPREHENSIVE OPERATIONS PLAN AND MONITORING SPECIAL STUDY
Technical Workgroup Meeting #2–Water Quality Data Integration (Data Assimilation)
Meeting Notes
July 13, 2021
2:00 p.m. – 3:30 p.m.

Attendees

- Ibraheem Alsufi/DWR
- Karen Tolentino/DWR
- Jared Frantzich/DWR
- Eli Ateljevich/DWR
- Zhenlin Zhang/DWR
- Erin Andrews/DWR
- Bryant Giorgi/DWR
- Nicky Sandhu/DWR
- Daniel Deeds/USBR
- Randi Field/USBR
- Lindsay Kammeier/Delta Water Master
- Ching-Fu Chang/Contra Costa Water District
- Tom Boardman/Westlands Water District
- Janis Cooke/Central Valley Regional Water Quality Control Board
- Thomas Burke/Hydrologic Systems
- Erin Foresman/State Water Resources Control Board
- Stephen Louie/ State Water Resources Control Board
- Elizabeth Kiteck/USBR
- Erika Britney/ICF
- Jenna O’Neill/ICF

Action Items

- There are no action items from this meeting.

Meeting Notes

The objective of this meeting was to have a focused follow-up discussion with more technical details about water quality data integration (Data Assimilation) in the South Delta.

Participants were presented an in-depth look at the Water Quality Data Integration (Data Assimilation) model, including an introduction to data assimilation and the South Delta salinity issues, an idealized run with hypothetical sources, and data assimilation with field observation data. Technical workgroup members were then able to ask detailed questions. Questions focused on understanding and clarifying how the model works, including:

- Details about the Generalized Transport Model (GTM) and Ensemble Kalman Filter;

- Steps, processes, and outcomes shown in the model flow chart;
- EC fields and sources;
- Data assimilation with and without a source;
- How low-flow in Sugar Cut impacts the salinity in Old River, and how the model captures that fine amount detail.

Participants are encouraged to reach out to Zhenlin Zhang (zhenlin.zhang@water.ca.gov) or Eli Ateljevich (Eli.Ateljevich@water.ca.gov) with any additional questions or comments.

Closing & Next Steps

We will send out meeting notes and the presentation.

The next technical workgroup will be on Tuesday, July 19 at 2:00. The focus will be the Salinity Point Source Sampling & Increased Ion Sampling study plan.