

Delta Harmful Algal Blooms Workshop Agenda

November 8-9, 2022



Delta
Science
Program

DELTA STEWARDSHIP COUNCIL

Day 1 – Creating a Coordinated Partner Monitoring Strategy

- 9:00 **Welcome** – Executive Officer Jessica Pearson, Delta Stewardship Council
- 9:05 **Opening Remarks** – Assemblymember Bill Quirk, Author of AB 834
- 9:10 **Workshop Overview and Goals** – Delta Lead Scientist Dr. Laurel Larsen
- 9:20 **Keynote: A History of *Microcystis* Blooms and their Impacts on the Delta** – Dr. Peggy Lehman

Session: Creating a Coordinated Harmful Algal Blooms Monitoring Strategy

Moderator: Marisa VanDyke, State Water Resources Control Board

- 9:50 **Delta Harmful Algal Bloom Monitoring Strategy Management Questions**

Tricia Lee, Delta Science Program

- 10:00 **AB 834 and Infrastructure of Current State-Led Freshwater and Estuarine Harmful Algal Bloom Program**

Marisa VanDyke, State Water Resources Control Board

#DeltaHABsStrategy

- 10:15 **Statewide Framework and Strategy for Freshwater HAB Monitoring –**
Dr. Jayme Smith, Southern California Coastal Water Research Project
- 10:30 **Break**
- 10:40 **Existing HAB Monitoring Efforts Across California State Agencies –**
Dr. Karen Atkins, Central Valley Regional Water Quality Control Board
Spencer Fern, Restore the Delta
- 10:55 **Integrative Monitoring Strategy for Harmful Algal Blooms across the
Freshwater-to-Marine Continuum**
Dr. Meredith Howard, Central Valley Regional Water Quality Control Board
- 11:20 **Panel discussion: Creating a Coordinated Partner Monitoring Strategy**
*Panelists will discuss goals, challenges, uncertainties, and conflicts, for
developing a coordinated partner monitoring strategy in the Delta.*
- Panelists:**
- Dr. Meredith Howard, Central Valley Regional Water Quality Control Board
Dr. Ted Flynn, CA Department of Water Resources
Dr. Meghan Klasic, University of Minnesota
Spencer Fern, Restore the Delta
Veronica Burell, Contra Costa County Public Health Officer
- Moderator:** Tricia Lee, Delta Science Program
- 12:15 **Lunch**
- 1:30 **Breakout group discussions** (in person and virtual)
*Breakout groups will feature facilitated discussion to understand general
science needs, concerns, assumptions, and sources of uncertainty for
developing a coordinated monitoring strategy.*
- 2:45 **Break**
- 3:00 **Breakout group reports**
- 3:30 **Close of Day 1**
Tricia Lee, Delta Science Program

Day 2 – Data Sharing and Integration

9:00 **Welcome** – Tricia Lee, Delta Science Program

Session: Data Sharing and Integration

Moderator: Jenna Rinde, California Department of Fish and Wildlife

9:10 **Current Monitoring Technologies and Parameters**

Dr. Keith Bouma-Gregson, U.S. Geological Survey

9:30 **Harder, Better, Faster, Stronger: Leveraging Multiple Datasets to Inform Regulatory Decisions**

Dr. Rosemary Hartman, California Department of Water Resources

9:50 **Nutrient Limitation and Aerosolization of CyanoHABs**

Dr. Hans Paerl and Haley Plaas, University of North Carolina, Institute of Marine Sciences

10:20 **Break**

10:30 **Overview of the August 2022 HAB Event in San Francisco Bay**

Dr. David Senn, San Francisco Estuary Institute

10:50 **Water Reporter App and Data Sharing**

Greg Gearheart, State Water Resources Control Board Office of Information Management and Analysis

11:10 **Panel discussion: Monitoring Gaps and Data Integration**

Panelists will discuss needs related to data collection, integration, and sharing for a monitoring strategy for HABs in the Delta.

Panelists:

Dr. Beckye Stanton, Office of Environmental Health Hazard Assessment

Dr. Keith Bouma-Gregson, U.S. Geological Survey

Barbara Barrigan-Parilla, Restore the Delta

Greg Gearheart, State Water Resources Control Board

Jenna Rinde, California Department of Fish and Wildlife

Moderator: Eva Bush, Delta Stewardship Council

12:15 **Lunch**

1:30 **Breakout group discussions**

Breakout groups will feature facilitated discussion to understand general science needs, concerns, assumptions, and sources of uncertainty for HABs data collection.

2:45 **Break**

3:00 **Breakout group reports**

3:30 **Workshop Wrap-Up** – Delta Lead Scientist Dr. Laurel Larsen

Photo of Morelli Boat Ramp in Stockton by Janis Cooke, CVRWB



Workshop Planning Team

Chair:

Tricia Lee, Delta Science Program

Members:

Karen Atkins, Central Valley Regional Water Quality Control Board

Barbara Barrigan-Parrilla, Restore the Delta

Tabitha Birdwell, Delta Science Program

Keith Bouma-Gregson, U.S. Geological Survey

Eva Bush, Delta Stewardship Council

Janis Cooke, Central Valley Regional Water Quality Control Board

Steve Culberson, Interagency Ecological Program

Spencer Fern, Restore the Delta

Ted Flynn, California Department of Water Resources

Meghan Klasic, University of Minnesota

Carly Nilson, State Water Resources Control Board

Jenna Rinde, California Department of Fish and Wildlife

Marisa VanDyke, State Water Resources Control Board

Acknowledgments

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