



California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network

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Algae Identification or Report A Bloom: [SWAMP Freshwater CyanoHAB Program Web Page](#)

Announcements

- **California Cyanobacteria and Harmful Algal Bloom (CCHAB) Network launches new California Harmful Algal Blooms (HABs) Portal**
 - [Charter](#)
 - [Press Release](#)
 - [Fact Sheet](#)
- **NEW Editable/printable caution, warning and danger signs are available under the CyanoHAB Guidance for Recreational and Related Water Uses Updates in both English and Spanish.**
- The next CCHAB Network Meeting will be held on September 29th, 2016 from 9:00 am - 3:00 pm at the Joe Serna Jr./CalEPA Building, 1001 I Street, Sacramento, Room 230, 2nd Floor.
- **New tools available under the CyanoHAB Guidance for Recreational and Related Water Uses. Tools include tiered decision tree and signs for posting & de-posting health advisories.**
- SWAMP released a [Statewide Freshwater Harmful Algal Bloom Assessment and Support Strategy](#) that outlines actions and infrastructure being developed to support local response to HAB events.

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CCHAB Network History

The CCHAB Network was first established in 2006 as the Statewide Blue-Green Algae Working Group in response to record-setting toxigenic blooms in Klamath River reservoirs. The focus is to bring all of the stakeholders that work on cyanoHABs to the table to collectively resolve issues and create a statewide framework to address cyanoHABs.

What is the mission of the California Cyanobacteria and Harmful Algal Bloom Network?

- To develop a statewide framework to address cyanoHABs in California's freshwater and marine ecosystems.

What are the goals of the California Cyanobacteria and Harmful Algal Bloom Network?

- Coordinate *monitoring and management of cyanoHABs* and their effects in freshwater and marine ecosystems throughout California.
- Develop *collaborative relationships* among federal, tribal, state and regional agencies responsible for addressing cyanobacteria concerns and impacts to beneficial uses of California's water resources.
- Make *efficient use of federal, tribal, state, regional and academic resources* to address cyanobacteria concerns by sharing information, avoiding duplicative efforts, promoting research, monitoring and assessment, identifying gaps in technical science and policy and communicating cyanobacteria concerns to the public.

How does the CCHAB Network relate to the Monitoring Council?

- In February 2015, the CCHAB Network became a Workgroup to the California Water Quality Monitoring Council.

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Meetings

2017

- October 26th, 2017 CCHAB Network Meeting- Cal/EPA Building 1001 I Street
 - Agenda-TBA
- July 27th, 2017 CCHAB Network Meeting-Cal/EPA Building 1001 I Street
 - Agenda-TBA
- April 27th, 2017 CCHAB Network Meeting-Cal/EPA Building 1001 I Street

WARNING

Toxins from algae in this water can harm people and kill animals



No swimming.



Do not let pets or other animals go into or drink the water, or go near the scum.



Stay away from scum, and cloudy or discolored water.



Do not eat shellfish from this water.



Do not use this water for drinking or cooking. Boiling or filtering will not make the water safe.



For fish caught here, throw away guts and clean fillets with tap water or bottled water before cooking.

For people, the toxins can cause:

• Skin rashes, eye irritation
• Diarrhea, vomiting

For animals, the toxins can cause:

• Seizures, vomiting
• Confusion and death

Call your doctor or veterinarian if you or your pet get sick after going in the water.

For information on harmful algae, go to mywaterquality.ca.gov/monitoring_council/cyanoHab_network

For local information, contact:

- Agenda-TBA
- January 26th, 2017 CCHAB Network Meeting-Cal/EPA Building 1001 I Street
 - Agenda-TBA

2016

- September 29th, 2016 CCHAB Network Meeting-Cal/EPA Building 1001 I Street room 230.
 - Agenda-TBA
- June 30th, 2016 CCHAB Network Meeting-Cal/EPA Building 1001 I Street, room 230.
 - [Agenda](#)
 - [Draft CCHAB Network Charter](#)
 - CCHAB Charter Development Sub-committee [Report](#) - Angela Murvine
 - EPA Update on [Development of Recreational Ambient Water Quality Criteria for Cyanotoxins](#) - John Ravenscroft
 - [California Water Quality Monitoring Council's HABs Initiative](#) - Jon Marshack
 - [Evidence-based Community Input for CyanoHABs Signage](#) - Lori Copan and Sandy McNeel
 - OHHABS: [One Health Harmful Algal Bloom System](#) - Sandy McNeel
- May 31, 2016 CCHAB Signage Field Testing
 - [CyanoHABs Field Testing Presentation](#), presented by Lori Copan
- April 13, 2016 CCHAB Network Meeting
 - [Agenda](#)
 - Presentations
 - [Use of Satellite to Examine CyanoHABs in California's Large Waterbodies](#), presented by Randy Turner
 - Co-Chairs: Zane Poulson, Susan Corum and Meredith Howard
 - [Subcommittees](#)
- January 21, 2016, Sacramento, CA
 - [Agenda](#)

2014

- December 18, 2014, Sacramento CA
 - [Agenda](#)
 - Presentations
 - [California CyanoHAB Network](#) – Johanna Weston, State Water Board
 - [Surface Water Ambient Monitoring Program Cyanotoxin Program](#) – Karen Taberski, San Francisco Bay Regional Water Board

- [Who Are We? California Drinking Water Program](#) – Amy Little, State Water Board
- [Increasing Efficiency and Effectiveness Through Collaboration](#) – Jon Marshack, California Water Quality Monitoring Council

Other CCHAB Presentations

- [Western Regional Epidemiology Network](#) – May 21, 2015
- [Monitoring and Assessment Partnership Webinar](#) – May 19, 2015

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Products

CyanoHAB Guidance for Recreational Water Uses

When a cyanoHAB is occurring, it is critical that there is understanding of the cyanobacteria and cyanotoxins present and communication of the risk to protect public health. Currently, there are no federal or state standards for cyanotoxins in drinking water and recreational waters. Participating agencies - State Water Board, OEHHA, and CDPH - have developed and are further refining suggested guidelines for addressing health concerns for cyanotoxins in recreation waters. The Department of Public Health, county health departments, and water body managers are encouraged to use this guidance for posting of water bodies when cyanoHABs pose a health threat.

- [Blue-Green Algae Draft Voluntary Guidance Document, prepared by CCHAB Network, 2010](#)
- 2016 Updates to the Document Linked Directly Above
 - [Decision Tree & Narrative for Posting and De-Posting Health Advisories for CyanoHABs](#)
 - [CyanoHAB Trigger Levels for Protection of Human Health](#)
 - [Appendix A - Description of cyanotoxin trigger levels in recreational water bodies](#)
 - SIGNS: The PowerPoint files allow deletion of individual icon/text message components that may not be appropriate for a specific water body. However, text with each component cannot be changed. Components may be moved to allow more space for local agency contact information (text box at the bottom of each sign). Signs are available in both English and Spanish. (version 8/5/2016)
 - In-House Printing (PowerPoint format)
 - [English](#)
 - [Caution](#)
 - [Warning](#)

- [Danger](#)
- [Spanish/en Español](#)
 - [Caution/Precaución](#)
 - [Warning/Advertencia](#)
 - [Danger/Peligro](#)
- Commercial Printing (PDF format)
 - [English](#)
 - [Caution](#)
 - [Warning](#)
 - [Danger](#)
 - [Spanish/en Español](#)
 - [Caution/Precaución](#)
 - [Warning/Advertencia](#)
 - [Danger/Peligro](#)
- Sign Icons (PowerPoint format)

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Membership

California Cyanobacteria and Harmful Algal Bloom Network is made up of a diverse group of stakeholders that address, research, manage, and/or regulate cyanoHAB concerns in California. The CCHAB Network is composed of federal agencies, state agencies, tribal governments, local agencies, academics and researchers, and other stakeholders.



Participating State Agencies

- [State Water Resources Control Board and Regional Water Quality Control Boards](#)
- [California Department of Public Health \(CDPH\)](#)
- [Office of Environmental Health Hazard Assessment \(OEHHA\)](#)



City of Watsonville



- California Department of Fish and Wildlife
- California Department of Water Resources

Participating Federal Agencies

- Center for Disease Control and Prevention
- National Oceanic and Atmospheric Administration
- U.S. Environmental Protection Agency
- U.S. Geological Survey



Other Participating Organizations

- Big Valley Band of Pomo Indians
- California State University, Moss Landing Marine Laboratories
- California State University, San Marcos
- City of Watsonville
- City of San Mateo
- Del Norte County Department of Health and Human Services
- Elem Indian Colony
- Humboldt County Department of Health and Human Services
- Karuk Tribe
- Lake County Health Services Department
- Metropolitan Water District of Southern California
- PacifiCorp
- San Francisco Estuary Institute
- Siskiyou County Health and Human Services Agency
- Southern California Coastal Water Research Project
- University of California at Davis
- University of California at Santa Cruz
- Yurok Tribe



THE YUROK TRIBE



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For More Information



Subscribe online to receive updates by email regarding activities of the [California Cyanobacteria and Harmful Algal Bloom Network](#) under the General Interests tab.

Contact:

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