

EPA Region 10 HABs Workshop

March 29-31st, 2016

Agenda

Tuesday, March 29th, 2016

Overview of HABs

8:00 - 8:30	Registration	
8:30 - 8:45	Welcome and Workshop Objectives	Christine Psyk and Rochelle Labiosa, USEPA
8:45 - 9:30	Overview of Harmful Algal Blooms: A Global Perspective	Raphael Kudela, University of California Santa Cruz

9:30 - 9:45 Break

Health and Ecological Effects

9:45 - 10:15	Harmful Cyanobacteria and Algae Blooms: Human Dimensions	Lorrie Backer, CDC
10:15 - 10:45	Impacts of HABs on fish and shellfish and the implications on their consumers	Vera Trainer, NOAA
10:45 - 11:15	Exposure Risks and Health Effects of Domoic Acid in Marine Wildlife and Humans	Kathi Lefebvre, NOAA
11:15 - 11:30	Discussion of Health Effects	Lesley D'Anglada, USEPA

11:30 - 12:30 Lunch

Water Quality Trends

12:30 - 1:00	Cyanotoxins in the United States: Occurrence and Emerging Technologies	Jennifer Graham, USGS
1:00 - 1:30	Cyanobacterial Occurrence in Lakes and Rivers in the PNW and the Role of Eutrophication	Theo Dreher, Oregon State University
1:30 - 2:00	Cyanotoxin Transfer (MC) from Freshwater Lakes to Puget Sound Mussels (<i>Mytilus trossulus</i>) and Implications for Human Health	Ellen Preece, Robertson-Bryan Inc.
2:00 - 2:30	Southeast Alaska Tribal Toxins (SEATT): A Partnership to Monitor Harmful Algal Blooms	Christopher Whitehead, Sitka Tribe of Alaska
2:30 - 3:00	Long-Term Ecological Trends and Role of Eutrophication in Puget Sound	Christopher Krembs, WA Dept. of Ecology
3:00 - 3:15	Discussion of Water Quality Trends	Allan Wilson, NSF

3:15 - 3:30 Break

Emerging and Innovative Monitoring Methods

3:30 - 4:00	Cyanobacterial Bloom Monitoring: Lake Erie and Beyond	Richard Stumpf, NOAA
4:00 - 4:30	Climate Change and Marine HABs	Stephanie Moore, NOAA
4:30 - 5:00	New HABs Monitoring Tools and Approaches for Developing and Maintaining Collaborative Networks	Alan Wilson, NSF
5:00 - 5:30	New Monitoring and Assessment Approaches for HABs in California	Meredith Howard, Southern California Coastal Water Research Project
5:30	Adjourn	Rochelle Labiosa, USEPA

5:30 Networking Event, Location TBD

Wednesday, March 30th, 2016

Welcome

8:00 - 8:15 Welcome and Overview of Day 2 Rochelle Labiosa, USEPA

HABs Guidelines and Management Strategies

8:15 - 8:45 EPA's Drinking Water Health Advisories and Recreational Criteria for Cyanotoxins Lesley D'Anglada, USEPA

8:45 - 9:15 Overview of USEPA's Recommendations for Public Water Systems to Manage Cyanotoxins in Drinking Water Hannah Holsinger, USEPA

9:15 - 9:45 Tools for Effective Source Water Protection: DWMAPS and the National Source Water Collaborative James Williams, USEPA

9:45 - 10:15 Treatment Techniques for Cyanobacteria and their Toxins in Public Water Systems Judy Westrick, Wayne State University

10:15 - 10:45 Waterbody Management Approaches for HABs Mario Sengco, USEPA

10:45 - 12:00 *Blooms Management Café* Rochelle Labiosa, USEPA

12:00 - 1:00 Lunch

Building Partnerships

1:00 - 1:20 HABHRCA: Interagency Progress, Collaboration, and Next Steps Caitlin Gould, NOAA

1:20 - 1:40 Cyanobacteria Assessment Network Blake Schaeffer, USEPA

1:40 - 2:00 Field and Laboratory Guide to Freshwater Cyanobacteria HABs for Native American and Alaska Native Communities Barry Rosen, USGS

2:00 - 2:20 Harmful Algal Blooms and Public Health Surveillance: The One Health Harmful Algal Bloom System (OHHABS) Virginia Roberts, CDC

2:20 - 2:40 Citizen Science Monitoring for Freshwater HABs Jennifer Maucher, NOAA

2:40 - 3:00 Discussion on Building Partnerships Hannah Holsinger, USEPA

3:00 - 3:20 Break

States and Tribes HABs Efforts

3:20 - 3:40 "Know Before You Dig" and Other Things You Should Know About HABs in Alaska Kimberly Stryker, Alaska Department of Environmental Conservation

3:40 - 4:00 Idaho Efforts on Harmful Algal Blooms Rebecca Thompson, Idaho Department of Environmental Quality

4:00 - 4:20 The Future of HAB Sampling and Analysis in a Resource Limited Program Rebecca Hillwig, Oregon Health Authority

4:20 - 4:40 Toxic Cyanobacteria in Washington State Joan Hardy, Department of Health, WA

4:40 - 5:00 HAB Monitoring in Sequim Bay Improves Tribal Shellfish Harvest Safety Neil Harrington, Jamestown S'Klallam Tribe

5:00 - 5:20 Discussion of States and Tribes HABs Efforts Lesley D'Anglada, USEPA

5:20 - 5:30 Next Steps Rochelle Labiosa, USEPA

5:30 Adjourn

Thursday, March 31th, 2016

Workshop for Tribes

8:00 - 12:00	Cyanobacteria 101: Why They Are a Concern to Native American and Alaska Native Communities and How Climate Change Can Make It Worse	Barry Rosen, USGS
---------------------	---	-------------------