

US EPA ARCHIVE DOCUMENT

# EPA Region 10 HABs Workshop

March 29-31<sup>st</sup>, 2016

## Agenda

**Tuesday, March 29<sup>th</sup>, 2016**

### Overview of HABs

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

**9:30 - 9:45 Break**

### Health and Ecological Effects

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

**11:30 - 12:30 Lunch**

### Water Quality Trends

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

**3:15 - 3:30 Break**

### Emerging and Innovative Monitoring Methods

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

**5:30 Networking Event, Location TBD**

## Wednesday, March 30<sup>th</sup>, 2016

### Welcome

<b>8:00 - 8:15</b>	Welcome and Overview of Day 2	Rochelle Labiosa, USEPA
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### HABs Guidelines and Management Strategies

<b>8:15 - 8:45</b>	EPA's Drinking Water Health Advisories and Recreational Criteria for Cyanotoxins	Lesley D'Anglada, USEPA
<b>8:45 - 9:15</b>	Overview of EPA's Recommendations for Public Water Systems to Manage Cyanotoxins in Drinking Water	Hannah Holsinger, USEPA
<b>9:15 - 9:45</b>	Tools for Effective Source Water Protection: DWMAPS and the National Source Water Collaborative	James Williams, USEPA
<b>9:45 - 10:15</b>	Treatment Techniques for Cyanobacteria and their Toxins in Public Water Systems	Judy Westrick, Wayne State University
<b>10:15 - 10:45</b>	Waterbody Management Approaches for HABs	Mario Sengco, USEPA
<b>10:45 - 12:00</b>	<i>Blooms Management Café</i>	Rochelle Labiosa, USEPA

**12:00 - 1:00 Lunch**

### Building Partnerships

<b>1:00 - 1:20</b>	HABHRCA: Interagency Progress, Collaboration, and Next Steps	Caitlin Gould, NOAA
<b>1:20 - 1:40</b>	Cyanobacteria Assessment Network	Blake Schaeffer, USEPA
<b>1:40 - 2:00</b>	Field and Laboratory Guide to Freshwater Cyanobacteria HABs for Native American and Alaska Native Communities	Barry Rosen, USGS
<b>2:00 - 2:20</b>	Harmful Algal Blooms and Public Health Surveillance: The One Health Harmful Algal Bloom System (OHHABS)	Virginia Roberts, CDC
<b>2:20 - 2:40</b>	Citizen Science Monitoring for Freshwater HABs	Jennifer Maucher, NOAA
<b>2:40 - 3:00</b>	Discussion on Building Partnerships	Hannah Holsinger, USEPA

**3:00 - 3:20 Break**

### States and Tribes HABs Efforts

<b>3:20 - 3:40</b>	"Know Before You Dig" and Other Things You Should Know About HABs in Alaska	George Scanlan, Alaska Department of Environmental Conservation
<b>3:40 - 4:00</b>	Idaho Efforts on Harmful Algal Blooms	Rebecca Thompson, Idaho Department of Environmental Quality
<b>4:00 - 4:20</b>	The Future of HAB Sampling and Analysis in a Resource Limited Program	Curtis Cude, Oregon Health Authority
<b>4:20 - 4:40</b>	Toxic Cyanobacteria in Washington State	Joan Hardy, Department of Health, WA
<b>4:40 - 5:00</b>	HAB Monitoring in Sequim Bay Improves Tribal Shellfish Harvest Safety	Neil Harrington, Jamestown S'Klallam Tribe
<b>5:00 - 5:20</b>	Discussion of States and Tribes HABs Efforts	Lesley D'Anglada, USEPA
<b>5:20 - 5:30</b>	Next Steps	Rochelle Labiosa, USEPA

**5:30 Adjourn**

**Thursday, March 31<sup>th</sup>, 2016**

**Workshop for Tribes**

<b>8:00 - 12:00</b>	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
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