



CONTAMINATED SEDIMENTS CONFERENCE

Climate Change Resilience Adaptation
Environmental Justice

APRIL 11, 2023

Miller Hall
World Forestry Center
Portland Oregon

Presented by
Environmental Law Education Center
www.elecenter.com



Conference Co-Chairs



PHILIP SPADARO
TIG Environmental



BRIDGETTE R. DeSHIELDS
Integral Consulting

Opening keynote speaker



BJ CUMMINGS
Author

The River that Made Seattle: A Human and Natural History of the Duwamish
&

Community Engagement Manager

University of Washington Interdisciplinary Center for Exposures, Diseases, Genomics and
Environment (UW EDGE Center)

Conference Overview

Increasingly, there is recognition that remediation approaches will need to incorporate climate change resilience adaptation. Sediment remediation sites are also concentrated within Industrial areas that tend to be those with racial and economic disparities (communities with environmental justice concerns). The White House and U.S. Environmental Protection Agency have placed Environmental Justice (EJ) at the center of U.S. federal strategy and states are adopting policies to address these disparities.

Speakers for this program will (1) address the potential impacts of climate change on sediment cleanup sites and discuss ways the remediation approach can incorporate climate change resilience adaptation and (2) explore opportunities and successes to apply EJ principles in the investigation and remediation of contaminated sediment sites. Each session will provide the perspectives of consultants, regulators, industry, and legal counsel, all of whom have been working on sites where considerations of climate change are important and in close proximity to communities with EJ concerns.

Agenda

8:30-9:00 Registration/coffee/continental breakfast

9:00 Welcome, Introductions and Conference Overview

HOLLY DUNCAN

Director

Environmental Law Education Center

9:00-9:30 **Opening keynote speaker** ~ Efforts to revitalize the Duwamish River to advance environmental and climate justice.

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9:30-10:45 **Session I ~ Climate Change Adaptation and Contaminated Sediments**

Site investigation and remediation programs at many sites have been ongoing for decades with little to no attention paid to the wide range of potential climate-induced hazards for sediment remedies, including sea level rise. As we have come to understand the potentially devastating outcomes of sea level rise, extreme temperatures, extreme precipitation, extreme wind, wildfires, drought, and more, regulatory agencies have started acknowledging climate-induced effect on site remediation and restoration.

Moderated by: **PHILIP SPADARO**, TIG Environmental

BARRY KELLEMS, P.E., Principal Engineer

Integral Consulting Inc.

SARAH GREENFIELD, P.E., Project Engineer

Oregon Department of Environmental Quality

CHANCE ASHER, Toxicologist

Washington Department of Ecology

CHRISTINE L. HEIN, Managing Partner

Ring Bender

JASON DITTMAN, PhD

TIG Environmental

10:45-11:15	Break
11:15-12:00	Session I Panel Discussion ~ Climate Change Considerations in Remedial Planning
12:00-1:00	Lunch (Provided)
1:00-2:15	<p>Session II ~ Environmental Justice, Risk Communication and Remediation</p> <p>Incorporating considerations around Environmental Justice (EJ) in decision-making ensures that all persons and communities enjoy the same degree of protection from environmental risk or harm. State and federal agencies have adopted strategies and goals and are developing programs to provide equitable environmental and public health outcomes, with emphasis on communities that have been historically marginalized. This panel will provide an overview of developing EJ programs and explore opportunities and successes in applying EJ principles in the investigation and remediation of contaminated sediment sites.</p> <p>Moderated by BRIDGETTE DeSHIELDS, Integral Consulting</p> <p>XIMENA CRUZ CUEVAS Oregon Department of Environmental Quality</p> <p>MEREDITH WALDREF Community Outreach and Environmental Education WA State Department of Ecology</p> <p>MARY LOU SOSCIA Toxics Program Director Environmental Law Education Center <i>Formerly</i>, Columbia River Basin Coordinator US EPA Region 10 (<i>retired January 2023</i>)</p> <p>DAVE ANNING, PhD Integral Consulting Inc.</p> <p>NICO VAN AELSTYN Sheppard Mullen</p> <p>ERIN O'CONNELL TIG Environmental</p>
2:15-2:45	Break
2:45-3:30	Session II Panel Discussion ~ Managing Risk Communication and Environmental Justice at Sediment Sites
3:30-3:45	Closing Remarks
3:45-5:30	Reception