



**Human & Ecosystem Health in Coastal Systems
U.S. Coastal Research Program Virtual Workshop Series
January 5-7, 2021**

Agenda

Join us for a live broadcast each day from 2-3:30 pm (Eastern Standard Time)

Topic 1: Coastal Pollutants

Tuesday January 5, 2021 Nutrients and HAB Events in Coastal Systems

Where can I swim?: Addressing recreational water quality information gaps with better, more accessible HAB and Nutrient data

Gabrielle (Gabi) Parent-Doliner, Great Lakes Beach Association

Ingredients to Solutions to Address Climate Change Stress on Nearshore Ecosystems in the Southern California Bight

Martha Sutula, Ph.D., Biogeochemistry Department Head, Southern California Coastal Water Research Project Authority (SCCWRP)

Addressing Septic, Sewer, and Stormwater Vulnerability to Sea Level Rise

Rachel Silverstein, Ph.D. Executive Director and Waterkeeper, Miami Waterkeeper

Panel Discussion, Moderator: Mara Dias, Surfrider Foundation

Wednesday January 6, 2021 Fecal Pollution in Coastal Systems

Addressing Fecal Pollution as a First Step in Creating Coastal Resiliency

Julie Kinzelman, City of Racine Public Health Department, Wisconsin

Human Fecal Source Identification with EPA Methods 1696 and 1697

Orin Shanks, EPA Office of Research & Development

To Swim or Not to Swim – Communicating Water Quality Information to the Public

Luke Ginger, Heal the Bay, Los Angeles, California

Panel Discussion, Moderator: Gregory Kleinheinz, Univ of Wisconsin Oshkosh

Thursday January 7, 2021 Microplastics in Coastal Systems

Science to Policy: California's Path Towards Microplastics Regulations

Scott Coffin, California State Water Board

Location, Location, Location: The Importance of Staying Local to Understand and Address Ocean Plastic Pollution in Nearshore Regions

Kara Lavender Law, Sea Education Association, Woods Hole, MA

Microplastics and even smaller: Effects and risk considerations across taxa and habitat

Susanne Brander, Oregon State University

Panel Discussion, Moderator: Steve Weisberg, SCCWRP



**Human & Ecosystem Health in Coastal Systems
U.S. Coastal Research Program Virtual Workshop Series
January 12-14, 2021**

Draft Agenda

Join us for a live broadcast each day from 2-3:30 pm (Eastern Standard Time)

Topic 2: Resilient Coastal Ecosystems

Tuesday January 12, 2021 Coastal Fisheries

Climate, red tide, habitat loss and water quality impacts on fisheries

Kevin Anson, Alabama DCNR

Tidal marsh habitat management for Chinook salmon recovery

W. Gregory Hood, Skagit River System Cooperative

Title TBD

Jake Kritzer, NERACOOS

Panel Discussion, Moderator: Diane Foster, Univ of New Hampshire

Wednesday January 13, 2021 Shellfisheries

Title TBD

Jason Goldstein, Wells National Estuarine Research Reserve

Engaging stakeholders in estuarine programming: Education, restoration, research

P.J. Waters, Auburn University Marine Extension & Research Center

Understanding the contribution of shellfish to ecosystem health

Alix Laferriere, The Nature Conservancy

Panel Discussion, Moderator: Brian Spears, US Fish and Wildlife Service

Thursday January 14, 2021 Natural and Nature-Based Infrastructure

Developing Capabilities for Engineering With Nature®: "In Pursuit of Big Game"

Todd Bridges, USACE ERDC

The Ecosystem Services of U.S. Coral Reefs

Curt Storlazzi, Pacific Coastal and Marine Science Center, USGS

Natural Resilience Measures in NYS: Community Risk and Resiliency Act and Natural Resilience Measures Guidance

Carolyn Fraioli, New York State Department of State, Office of Planning, Development & Community Infrastructure

Panel Discussion, Moderator: Chris Kinkade, NOAA



**Human & Ecosystem Health in Coastal Systems
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January 5-7 and 12-14, 2021**

Steering Committee

Brandon Boyd, U.S. Army Engineering & Research Development Center

Mara Dias, Surfrider Foundation

Diane Foster, University of New Hampshire, Co-Chair USCRP Academic Team

Chris Kinkade, NOAA Office for Coastal Management

Gregory Kleinheinz, University of Wisconsin Oshkosh

Joe Long, University of North Carolina – Wilmington, USCRP Academic Team

Britt Raubenheimer, Woods Hole Oceanographic Institution, Co-Chair USCRP Academic Team

Brian Spears, U.S. Fish & Wildlife Service

John Wathen, Environmental Protection Agency (EPA)

Bret Webb, University of South Alabama, USCRP Academic Team



**U.S. Coastal Research Program
Human & Ecosystem Health in Coastal Systems
Virtual Workshop Series
January 5-7 and 12-14, 2021**

The U.S. Coastal Research Program (USCRP) is hosting a virtual Human and Ecosystem Health (HEH) in Coastal Systems Workshop Series to identify key management challenges and high priority scientific gaps that can be addressed by nearshore science research.

Motivation: Maintaining good water quality in nearshore regions is important to our wellbeing, economy, and diverse coastal ecosystems. Unfortunately, nearshore waters are threatened by increasing pollutants, pathogens, and contaminants associated with a range of geophysical and human pressures including, but not limited to warming temperatures, rising sea levels, increasing storminess, and expanding coastal populations. These pressures are resulting in an unprecedented and growing number of impacts to coastal ecosystems including beach and shellfishery closures that further impact coastal economies and communities. Major US governmental agencies (NIH, NSF, NOAA, EPA, USACE, and USGS) have recognized that the link between the coastal physical processes and human and ecosystem health is of critical importance.

Who should attend: Local coastal decision makers, state and regional agencies, and academics, as well as scientists and engineers from federal agencies, non-governmental organizations, and private industry.

Workshop Format: Each day of the series will include three stakeholder presentations of roughly 20 minutes in duration representing a range of geographies, concerns, and perspectives. A moderated webinar panel with a small number of researchers and stakeholders following each set of presentations will allow for discussion of the relevant challenges and federal needs.

Outcomes: Workshop attendees will be invited to participate in an online poll, active during the week after the series, to collaboratively prioritize management challenges, federal needs and research questions for future investment. Working groups will then develop an authoritative report synthesizing our present understanding of the dynamics of human and ecosystem health in nearshore environments to help prioritize future research and investments.