

## Track: Agriculture, land use and floodplains

### **Agriculture, ecosystems, and climate change: Strategies for a more resilient Salish Sea**

**Session Type:** Panel

Chair: Dan Calvert

### **Best Land Use Practices for Conservation in a World of Growing Populations and Increasing Sprawl**

**Session Type:** Traditional

Chair: Scott Brewer

CoChair: Libby Gier

### **Floodplains by Design: A Collaborative Approach to Floodplain Management**

**Session Type:** Traditional

Chair: Cynthia Catton

CoChair: Heather Cole

### **(cross-listed) Nooksack River Watershed Transboundary Water Quality Project**

**Session Type:** Traditional

Chair: Jillian Tamblyn

CoChair: Andrea Hood

### **Protecting Riparian Areas in Agricultural Lands: Approaches to Focusing Investments in Durable, Long-term Landscape Management Solutions.**

**Session Type:** Traditional

Chair: Heather Bush

CoChair: Colin Hume

### **Regional collaboration for nature-based flood management in Boundary Bay**

**Session Type:** Traditional

Chair: Deborah Carlson

### **(cross-listed) Restoring Connectivity in Estuaries and Floodplains of the Salish Sea**

**Session Type:** Traditional

Chair: Murray M Manson

## Track: Climate and ocean condition changes

### (cross-listed) **Salish Sea Models for Circulation and Water Quality – New Developments and Diagnostic Applications**

**Session Type:** Traditional

Chair: Tarang P Khangaonkar

CoChair: Christana Figueroa-Kaminsky

### **Climate Change Adaptation in Nearshore and Estuaries of the Salish Sea**

**Session Type:** Traditional

Chair: Kaitlin Harris

CoChair: Isobel Pearsall

### **Global Change, Local Action: Applying Science to Policy in Local Climate Action Plans**

**Session Type:** Traditional

Chair: Allison Osterberg

### **Management of eelgrass wasting disease in a warming ocean**

**Session Type:** Traditional

Chair: Carolyn Friedman

CoChair: Drew Harvell

### **Ocean Acidification in the Salish Sea: New findings from science and management**

**Session Type:** Traditional

Chair: Wiley Evans

CoChair: Terrie Klinger

CoChair: Debby Ianson

CoChair: Jan Newton

## Track: Communication and outreach

### (cross-listed) **Addressing vessel impacts on at risk marine mammal species through innovative transboundary education and outreach initiatives**

**Session Type:** Panel

Chair: Lynne Barre

CoChair: Paul Cottrell

### **Getting more bang for your outreach buck: Ideas for communication strategies that build trust, personalize government, and get results**

**Session Type:** Traditional

Chair: Karen DuBose



## **Telling the story: Communicating the science of Salish Sea recovery**

**Session Type:** Alternative

Chair: Jeff Rice

CoChair: Christopher Dunagan

## **Track: Contaminants (including plastics and microplastics), toxicology, and stormwater**

### **Community Innovations in Getting Legacy Toxics Sites Cleaned Up**

**Session Type:** Traditional

Chair: Eleanor Hines

### **(cross-listed) Complete Census on the Status of Puget Sound Human Health and Quality of Life Vital Signs**

**Session Type:** Traditional

Chair: Kelly Biedenweg

### **Contaminants in the Salish Sea: Sources, movement, and fate**

**Session Type:** Traditional

Chair: Joel E. Baker

CoChair: Andrew James

CoChair: Tanya M Brown

### **Contaminants in the Salish Sea: Wildlife exposure and impacts**

**Session Type:** Traditional

Chair: Tanya M Brown

CoChair: Andrew James

CoChair: Joel E. Baker

### **(cross-listed) Developing high performance bioretention systems to meet enhanced stormwater treatment and to protect aquatic organisms**

**Session Type:** Alternative

Chair: Curtis Hinman

### **Endocrine Disruptor Chemicals in the Salish Sea: Toxic Impacts on Fish, Wildlife, and Humans, and Actions to Reduce Exposures**

**Session Type:** Alternative

Chair: Frances P. Solomon

(cross-listed) **Green Infrastructure Innovations and Runoff Quality Across Scales and Boundaries**

**Session Type:** Panel

Chair: Aaron D Clark

CoChair: Joanna Ashworth

**Impacts of marine plastic: building a framework for equitable marine debris solutions**

**Session Type:** Alternative

Chair: Yoshitaka Ota

CoChair: Juan Jose Alava

**Microplastics monitoring, methodology and public policy actions throughout the Salish Sea**

**Session Type:** Traditional

Chair: Shawn Larson

CoChair: Nora Nickum

(cross-listed) **Salish Sea Stormwater Innovations**

**Session Type:** Traditional

Chair: John D Stark

CoChair: Catherine Gockel

**The Environmental Toxicology and Chemistry of the Salish Sea Ecosystem**

**Session Type:** Traditional

Chair: Robert K Johnston

CoChair: Ruth Sofield

**Toxics in the Salish Sea: Issues and Response Strategies to Protect Food, Resources and Ecosystem Processes**

**Session Type:** Panel

Chair: Fran Wilshusen

**Track: Data analysis, decision making tools and modeling**

**Salish Sea Models for Circulation and Water Quality – New Developments and Diagnostic Applications**

**Session Type:** Traditional

Chair: Tarang P Khangaonkar

CoChair: Christana Figueroa-Kaminsky

(cross-listed) **Best Land Use Practices for Conservation in a World of Growing Populations and Increasing Sprawl**

**Session Type:** Traditional

Chair: Scott Brewer

CoChair: Libby Gier

**Connecting transboundary air, land and water inputs to the Salish Sea ecosystem**

**Session Type:** Traditional

Chair: Jana Compton

CoChair: Jiajia Lin

**Ecosystem modelling for understanding ecosystem state and projecting future changes in the Salish Sea**

**Session Type:** Alternative

Chair: Caihong Fu

CoChair: Isaac Kaplan

**Environmental Monitoring and Sampling Techniques**

**Session Type:** Snapshot

Chair: Christopher Martin

(cross-listed) **Innovative approaches to bacteria source tracking**

**Session Type:** Traditional

Chair: Meg Harris

CoChair: Karen DuBose

**Oil spill fate and impacts in the Salish Sea**

**Session Type:** Traditional

Chair: Rachael D Mueller

CoChair: Tarang P Khangaonkar

**Sediment in coastal habitats: outlooks for stability and stress**

**Session Type:** Traditional

Chair: Eric Grossman

CoChair: Richard Dinicola

## Track: Diversity, equity and inclusion

### **Best Practices for Diversity, Equity, and Inclusion: Frameworks for Collaborative Planning within Environmental Groups**

**Session Type:** Snapshot

Chair: Melissa K Watkinson

CoChair: Karen Morrill-Mcclure

### **(cross-listed) Community Innovations in Getting Legacy Toxics Sites Cleaned Up**

**Session Type:** Traditional

Chair: Eleanor Hines

### **From Planning to Implementation: Institutionalizing Diversity, Equity, and Inclusion Strategies for Progress in the Salish Sea**

**Session Type:** Panel

Chair: Michael Chang

## Track: Ecosystem management, science and policy

### **Achieving Net Ecological Gain Through Innovative Natural Resource Management**

**Session Type:** Traditional

Chair: Melia N Paguirigan

### **Building the bridge between science and policy making to facilitate the protection, recovery and restoration of the Salish Sea**

**Session Type:** Traditional

Chair: Wayne G Landis

CoChair: Scott Redman

CoChair: Beth Power

### **Crossing the Science-Management Divide: Barriers and Bridges to Usable Science for the Salish Sea**

**Session Type:** Alternative

Chair: Tom M Koontz

### **Integrated Ecosystem Assessment, Monitoring and Restoration in Burrard Inlet**

**Session Type:** Alternative

Chair: Anuradha Rao



## **Puget Sound checkup: what the latest examination of Vital Signs is telling us about the health of Puget Sound**

**Session Type:** Snapshot

Chair: Nathalie J Hamel

CoChair: Mary Ramirez

## **State of the Salish Sea: Trends in Ecosystem Services, Pressures on Supporting Ecosystem Processes and Community Management Objectives**

**Session Type:** Alternative

Chair: Michael Rylko

CoChair: Jenny Ferone

## **Transboundary Cooperation Mechanisms in the Salish Sea: Beyond Information-Sharing Towards Sustained Transboundary Ecosystem Protection**

**Session Type:** Traditional

Chair: Lisa Chang

CoChair: Ian Rogalski

## **Track: Education, community, and social science**

### **Bridging the border with citizen science**

**Session Type:** Panel

Chair: Lucas Hart

### **Complete Census on the Status of Puget Sound Human Health and Quality of Life Vital Signs**

**Session Type:** Traditional

Chair: Kelly Biedenweg

### **Empirical Relationships between Social and Ecological Goals**

**Session Type:** Traditional

Chair: Whitney Fleming

### **Integrating Human Well-Being in Restoration Planning**

**Session Type:** Panel

Chair: David Trimbach

### **Local Networks Generate Innovative Recovery Actions**

**Session Type:** Snapshot

Chair: Laura Ferguson

## **Salish Sea Community Marine Science Centers**

**Session Type:** Alternative

Chair: Janine Boire

## **Social Science for the Salish Sea: An Interactive Discussion to Build a Research Agenda**

**Session Type:** Panel

Chair: Sara J Breslow

CoChair: Leah Kintner

## **Trans Boundary K-12 Salish Sea Curricula**

**Session Type:** Panel

Chair: Bert Webber

## **Track: Governance, management and funding**

### **How do we innovate and scale private and public funding mechanisms to expedite recovery?**

**Session Type:** Traditional

Chair: Susan O'Neil

CoChair: Laura Blackmore

### **Indigenous Law and Jurisdiction over Resource Management in the Salish Sea**

**Session Type:** Alternative

Chair: Erin M Hanson

### **Marine Spatial Planning in the Salish Sea**

**Session Type:** Traditional

Chair: Miriam O

CoChair: Emily Rubidge

### **River Governance of the Salish Sea: A Critical Reflection**

**Session Type:** Traditional

Chair: Emma Norman

## **Track: Infrastructure**

### **(cross-listed) Achieving Net Ecological Gain Through Innovative Natural Resource Management**

**Session Type:** Traditional

Chair: Melia N Paguirigan





## **Developing high performance bioretention systems to meet enhanced stormwater treatment and to protect aquatic organisms**

**Session Type:** Alternative

Chair: Curtis Hinman

## **Green Infrastructure Innovations and Runoff Quality Across Scales and Boundaries**

**Session Type:** Panel

Chair: Aaron D Clark

CoChair: Joanna Ashworth

## **(cross-listed) Impacts of marine plastic: building a framework for equitable marine debris solutions**

**Session Type:** Alternative

Chair: Yoshitaka Ota

CoChair: Juan Jose Alava

## **On the path to a more resilient, healthy, and livable Vancouver: Managing water-related infrastructure with a multi-scale approach**

**Session Type:** Alternative

Chair: Melina Scholefield

## **Salish Sea Stormwater Innovations**

**Session Type:** Traditional

Chair: John D Stark

CoChair: Catherine Gockel

## **Track: Innovations**

### **Game Changers: Innovative Ideas for Societal Transformation and Salish Sea Recovery**

**Session Type:** Snapshot

Chair: Julie Watson

CoChair: Heather Saunders

## **Track: Physical habitat: shorelines, estuaries, rivers**

### **Building on past lessons to achieve successful marine shoreline management and shoreline armor reduction under sea level rise**

**Session Type:** Panel

Chair: Jennifer Griffiths

CoChair: Andrea MacLennan

(cross-listed) **Climate Change Adaptation in Nearshore and Estuaries of the Salish Sea**

**Session Type:** Traditional

Chair: Kaitlin Harris

CoChair: Isobel Pearsall

**Enhancing the Climate Resilience of the Fraser Estuary as Important Bird Habitat in the Context of the Pacific Flyway**

**Session Type:** Traditional

Chair: James M Casey

CoChair: Dan Buffett

**Flow Restoration on Salish Sea Rivers-Tools and Techniques**

**Session Type:** Panel

Chair: Jason Hatch

**Measuring Success: Monitoring the Effectiveness of Shoreline Restoration Projects**

**Session Type:** Traditional

Chair: Jason R Morgan

**One Step Closer - Natural Shorelines & Soft Shore Alternatives “An ounce of prevention is worth a pound of cure” ~ Benjamin Franklin**

**Session Type:** Panel

Chair: Lori Clark

CoChair: Lisa Kaufman

**Restoring Connectivity in Estuaries and Floodplains of the Salish Sea**

**Session Type:** Traditional

Chair: Murray M Manson

(cross-listed) **Sediment in coastal habitats: outlooks for stability and stress**

**Session Type:** Traditional

Chair: Eric Grossman

CoChair: Richard Dinicola

**Toward a vision for Ecological Resilience in the Lower Fraser River**

**Session Type:** Traditional

Chair: Ross Dixon

CoChair: Murray Ned

## Track: Physical habitat: kelp and seagrass

### **Kelp: Stressors, Trends, and Value (Part I)**

**Session Type:** Traditional

Chair: Helen Berry

CoChair: Sherryl Bisgrove

### **Kelp: Stressors, Trends, and Value (Part II)**

**Session Type:** Traditional

Chair: Max Calloway

CoChair: Sam Starko

### **(cross-listed) Management of eelgrass wasting disease in a warming ocean**

**Session Type:** Traditional

Chair: Carolyn Friedman

CoChair: Drew Harvell

### **Restoring and Protecting Resilient Seagrass Ecosystems in the Salish Sea with Sound Science and Effective Policies (Part I)**

**Session Type:** Traditional

Chair: Jeffrey Gaeckle

### **Restoring and Protecting Resilient Seagrass Ecosystems in the Salish Sea with Sound Science and Effective Policies (Part II)**

**Session Type:** Traditional

Chair: Jeffrey Gaeckle

## Track: Salmon biology and management

### **A Salmon-Safe Salish Sea: Transboundary partnerships to advance salmon-friendly urban development and agricultural practices in the Pacific Northwest**

**Session Type:** Panel

Chair: Theresa A Fresco

### **Honoring Tribal Treaty Rights Through Bold Salmon Recovery**

**Session Type:** Alternative

Chair: Amy E Trainer

### **Mass-mark Selective Salmon Fisheries ... Pending opportunities and conflicts.**

**Session Type:** Alternative

Chair: Brian Riddell



(cross-listed) **Protecting Riparian Areas in Agricultural Lands: Approaches to Focusing Investments in Durable, Long-term Landscape Management Solutions.**

**Session Type:** Traditional

Chair: Heather Bush

CoChair: Colin Hume

**The Salish Sea Marine Survival Project – Key Findings of Transboundary Research on Salmon Survival in the Salish Sea**

**Session Type:** Traditional

Chair: Iris Kemp

**The Salish Sea Marine Survival Project – Technological and Innovative Approaches for the Study of Salmon and Steelhead Production**

**Session Type:** Traditional

Chair: Michael Schmidt

CoChair: Isobel A Pearsall

**Track: Marine species: shellfish and abalone**

**Approaches to protect and recover shellfish beds in the Salish Sea**

**Session Type:** Traditional

Chair: Clara Hard

**First Nations and Tribal Nearshore Resource Management for Cultural Ecosystems, Part 1: a focus on clams**

**Session Type:** Traditional

Chair: Melissa Poe

CoChair: Skye Augustine

**First Nations and Tribal Nearshore Resource Management for Cultural Ecosystems, Part 2: a focus on diverse nearshore species and communities**

**Session Type:** Traditional

Chair: Courtney Greiner

CoChair: Anne Salomon

**Innovative approaches to bacteria source tracking**

**Session Type:** Traditional

Chair: Meg Harris

CoChair: Karen DuBose



## **Nooksack River Watershed Transboundary Water Quality Project**

**Session Type:** Traditional

Chair: Jillian Tamblyn

CoChair: Andrea Hood

## **Pinto abalone research and recovery: use of conservation aquaculture and other strategies to give the Salish Sea's largest rocky-reef-cleaning native marine snail a population boost**

**Session Type:** Traditional

Chair: Jodie Toft

CoChair: Josh Bouma

## **Track: Marine species: Southern Resident Killer Whales: science, recovery strategies and policies**

### **Protection Reflection: An Examination of how Protection Measures for Southern Resident Killer Whales Implemented by Washington State and Canada have Created Change**

**Session Type:** Panel

Chair: Christianne Wilhelmson

CoChair: Tessa Danelesko

### **SRKW Recovery and Emergency Measures**

**Session Type:** Panel

Chair: Todd S Hass

CoChair: Michelle Sanders

### **The effects of contaminants on marine mammals and their prey**

**Session Type:** Snapshot

Chair: Kira Stevenson

CoChair: Heather Osachoff

## **Track: Coast Salish resource management and policy**

### **(cross-listed) First Nations and Tribal Nearshore Resource Management for Cultural Ecosystems, Part 1: a focus on clams**

**Session Type:** Traditional

Chair: Melissa Poe

CoChair: Skye Augustine



(cross-listed) **First Nations and Tribal Nearshore Resource Management for Cultural Ecosystems, Part 2: a focus on diverse nearshore species and communities**

**Session Type:** Traditional

Chair: Courtney Greiner

CoChair: Anne Salomon

(cross-listed) **Honoring Tribal Treaty Rights Through Bold Salmon Recovery**

**Session Type:** Alternative

Chair: Amy E Trainer

(cross-listed) **Indigenous Law and Jurisdiction over Resource Management in the Salish Sea**

**Session Type:** Alternative

Chair: Erin M Hanson

(cross-listed) **Integrated Ecosystem Assessment, Monitoring and Restoration in Burrard Inlet**

**Session Type:** Alternative

Chair: Anuradha Rao

(cross-listed) **Toxics in the Salish Sea: Issues and Response Strategies to Protect Food, Resources and Eco-system Processes**

**Session Type:** Panel

Chair: Fran Wilshusen

(cross-listed) **Transboundary Vessel Carrying Capacity and Future of the Salish Sea**

**Session Type:** Panel

Chair: Debra Lekanoff

**[Track: Trophic interactions: zooplankton, phytoplankton, salmon, forage fish, invasive species](#)**

**Rockfish Conservation via Collaborative Research and Ecosystem-Based Management in the Salish Sea**

**Session Type:** Traditional

Chair: Jamey Selleck

CoChair: Dayv Lowry

**Transboundary Management of European Green Crab in the Salish Sea**

**Session Type:** Traditional

Chair: Jeff Adams

CoChair: Allen Pleus

## **Trophic energy flow in the Salish Sea: Part I (Phytoplankton/Zooplankton)**

**Session Type:** Traditional

Chair: Kim Stark

CoChair: Julie Keister

## **Trophic energy flow in the Salish Sea: Part II (Forage Fish)**

**Session Type:** Traditional

Chair: Jacklyn Barrs

CoChair: Todd Sandell

## **Trophic energy flow in the Salish Sea: Part III (Marine Birds)**

**Session Type:** Traditional

Chair: Trina Bayard

## **Trophic energy flow in the Salish Sea: Part IV (Marine Mammals)**

**Session Type:** Traditional

Chair: Scott Veirs

## **Track: Biodiversity**

### **Biodiversity beyond boundaries: networking biodiversity projects in the Salish Sea**

**Session Type:** Traditional

Chair: Joel F Gibson

### **Understanding and protecting genetic diversity of Salish Sea species**

**Session Type:** Traditional

Chair: Jennifer Ruesink

CoChair: Kerry Naish

## **Track: Economics and business**

### **(cross-listed) A Salmon-Safe Salish Sea: Transboundary partnerships to advance salmon-friendly urban development and agricultural practices in the Pacific Northwest**

**Session Type:** Panel

Chair: Theresa A Fresco

### **(cross-listed) Empirical Relationships between Social and Ecological Goals**

**Session Type:** Traditional

Chair: Whitney Fleming



(cross-listed) **How do we innovate and scale private and public funding mechanisms to expedite recovery?**

**Session Type:** Traditional

Chair: Susan O'Neil

CoChair: Laura Blackmore

**Marine and Coastal Tourism in the Salish Sea: evolution, impacts, and management**

**Session Type:** Traditional

Chair: Norma Serra

**Track: Vessel traffic and shipping sector management**

**Addressing vessel impacts on at risk marine mammal species through innovative transboundary education and outreach initiatives**

**Session Type:** Panel

Chair: Lynne Barre

CoChair: Paul Cottrell

**Maritime Sector Actions Contributing to Southern Resident Killer Whale Recovery**

**Session Type:** Alternative

Chair: Jane Dewell

CoChair: Jon Sloan

(cross-listed) **Oil spill fate and impacts in the Salish Sea**

**Session Type:** Traditional

Chair: Rachael D Mueller

CoChair: Tarang P Khangaonkar

**Reducing Air Emissions from Commercial Marine Shipping Activity in the Salish Sea**

**Session Type:** Traditional

Chair: Megan Mathieson

**Transboundary Vessel Carrying Capacity and Future of the Salish Sea**

**Session Type:** Panel

Chair: Debra Lekanoff