



**Welcome**  
**11<sup>th</sup> Biennial Conference**

**2023 Columbia River Estuary Conference**  
*Reconnection*

# 11<sup>th</sup> Biennial Conference 2023 CREC: Reconnection

## Theme: Reconnection

CREC provides an important opportunity to reconnect with each other to catch up, discuss our work and results, and seek out new ideas and collaborative opportunities.

Our work centers around reconnecting species to their historical habitats, hydrology to more normative flow patterns, and mindsets to managing resources weaving in traditional ecological knowledge.

## Purpose

Provide a forum to develop recommendations for application of these new findings

Provide a forum for collaboration, coordination, brainstorming ideas and networking





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## 2023 CREC: Reconnection

### Previous conferences

The 2023 conference is the 11th biennial conference. Previous themes include:

- 1999 - Biological Integrity
- 2001 - Habitat Conservation and Restoration
- 2003 - Research Needs
- 2006 - Estuarine and Ocean Ecology of Juvenile Salmonids
- 2008 - Ecosystem Restoration
- 2010 - Adaptive Management
- 2012 - New Scientific Findings and their Management Implications
- 2014 - Forging Links in the Columbia River Estuary
- 2016 - Recent Anomalous Environmental Conditions – Drivers and Consequences
- 2018 - Promoting Resiliency under Shifting Environmental Conditions
- 2020 - *Canceled*





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## Format

- Contributed talks over 5 sessions, 2.5 days – 45 talks
  - 36 Traditional Oral Presentations
  - NEW! 9 Lightning Presentations
- Poster session and evening social at 5:30 pm tonight in McTavish Room – 11 posters
  - Posters upstairs in the McTavish Room throughout conference
- Conference proceedings (Handbook, Powerpoint presentations) – available on conference website in summer 2023





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## Session Topics

### Tuesday

Meeting the Challenge of Ecosystem Restoration in a Changing Climate

### Wednesday

Recent Ocean Research Results and Implications  
Assessing Restoration Site Function and Recovery

### Thursday

Evaluating Performance Across Varying Spatial Scales  
New Modeling and Data Products





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## 2023 CREC: Reconnection

### Steering Committee:

- Leslie Bach, Northwest Power and Conservation Council
- Amy Horstman and Nolan Banish, U.S. Fish and Wildlife Service
- Laura Brown, Washington Department of Fish and Wildlife
- Carla Cole, Lewis and Clark National Historical Park, National Park Service
- Catherine Corbett and Sarah Kidd, Lower Columbia Estuary Partnership
- Anne Creason and Jason Karnezis, Bonneville Power Administration
- Heida Diefenderfer, Pacific Northwest National Laboratory
- Amy Horstman, U.S. Fish and Wildlife Service
- Amelia Johnson, Lower Columbia Fish Recovery Board
- Tom Josephson, Columbia River Estuary Study Taskforce
- Shawna Little River, Chinook Indian Nation
- Chanda Littles, U.S. Army Corps of Engineers
- Joe Needoba and Tawnya Peterson, Oregon Health & Science University
- Curtis Roegner, NOAA, National Marine Fisheries Service
- Charles Seaton, Columbia River Inter-Tribal Fish Commission





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**Thank you to our Sponsors!!**

Bonneville Power Administration  
Columbia River Estuary Study Taskforce  
Lewis and Clark National Park Association  
Lower Columbia Estuary Partnership  
Northwest Power and Conservation Council  
Oregon Department of Land Conservation and Development  
Wolf Water Resources  
Parametrix  
ESA  
Aquatic Contracting



**Please Silence Cell Phones**





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*Session 1: Meeting the Challenge of Ecosystem  
Restoration in a Changing Climate*

