



Barriers to Tidal Connectivity Symposium

October 28, 2020

Virtual Format

Hosted by the Pacific Marine and Estuarine Fish Habitat Partnership (PMEP), the California Fish Passage Forum (CFPF), and the Pacific Lamprey Conservation Initiative (PLCI) with generous funding from the Association of Fish and Wildlife Agencies

This one-day symposium brings together experts in the field to explore:

- *History of tidal barriers in the US West Coast*
- *Functional impacts of barriers to tidal connectivity*
- *Fish passage needs*
- *Tidegate effectiveness*
- *Climate change and tidal barriers*
- *Tidal barrier datasets*

Symposium Agenda

9:00	Introduction <i>Alicia Marrs, CFPF & PLCI Coordinator</i>
9:15-9:20	Project Overview <i>Joan Drinkwin, PMEP Coordinator</i>
9:20 – 10:00	Introduction to Tidal Connectivity <i>Doris Small and Pad Smith, Washington Department of Fish and Wildlife Correigh Greene, NOAA</i>
10:00- 10:35	Beyond tidal weirs: exploring connectivity issues for lampreys in estuaries <i>Damon Goodman, U.S. Fish and Wildlife Service</i>
10:35-10:45	BREAK

- 10:45 – 11:15 Effects of tidal flow barriers on the landscape array of fish habitats
Laura Brophy, Estuary Technical Group, Institute for Applied Ecology
- 11:15 – 11:45 Juvenile salmon movement related to the tide cycle: tidal fish passage in Puget Sound
Doris Small and Pad Smith, Washington Department of Fish and Wildlife
- 11:45-12:45 LUNCH
- 12:46-1:15 Biological & Physical Effects of ‘Fish-Friendly’ Tide Gates
Correigh Greene, NOAA
- 1:15 – 1:45 Effects of Tidegates on Juvenile Coho Salmon: Passage & Estuarine Habitat Use
Guillermo Giannico, Oregon State University
- 1:45-2:15 – Climate change and tidal connectivity
Eric Grossman, U.S. Geological Survey
- 2:15-2:30- BREAK
- 2:30-3:15 A catalog of publicly available spatial data on barriers to tidal connectivity along the US West Coast
Van Hare, Kate Sherman and Brett Holycross, Pacific States Marine Fisheries Commission
Erin Butts, U.S. Fish & Wildlife Service
- 3:15 – 4:15 Data Set Case Studies
- Puget Sound Tidal Wetland Barrier Removal Planning project
Jason Hall, Cramer Fish Sciences
- The Nature Conservancy Barrier Optimization Tool
Jason Nuckols, The Nature Conservancy
- Washington Fish Passage Tool
Ryan Gatchell, Washington Department of Fish and Wildlife
- California Passage Assessment Database (PAD)
Anne Elston, Pacific States Marine Fisheries Commission
- 4:15 WRAP UP