

# JOINT COMMITTEE ON FISHERIES ENGINEERING AND SCIENCE



## 2019 Webinar Series

Join us Tuesday Feb. 11th



### PRESENTER BIOGRAPHIES

**Casey Baldwin**, Senior Research Scientist, Confederated Tribes of the Colville Reservation. Casey has a Masters degree from Utah State University and currently is a Research Scientist for the Colville Tribes Fish and Wildlife Department. He is the Colville Tribes technical lead on fish passage and reintroduction upstream of Chief Joseph and Grand Coulee Dams.



**Thomas Biladeau**, Habitat Restoration Biologist, Coeur d'Alene Tribe of Indians. Thomas has worked in Columbia basin fisheries for over 20 years with multiple managing agencies including state, federal and tribal entities. Currently, his responsibilities include restoring aquatic ecosystems throughout the Coeur d'Alene Tribe's territory for the inevitable return of salmon and steelhead.



**Conor Giorgi**, Anadromous Program Manager, Spokane Tribe of Indians. Conor has been conducting research on Pacific Northwest aquatic ecosystems for more than a decade. His diverse background has led him to study all manner of aquatic species, their interactions, and their habitats. During his career Conor has been employed by federal, state, and tribal agencies, as well as the private sector.



### WEBINAR INFORMATION

Date: Tuesday, Feb 11, 2019

Time: 12:00 PM ET, 11:00 AM CT  
10:00 AM MT, 9:00 AM PT

Duration: 60 Minutes

Webinar Platform: Microsoft Skype

Please RSVP by [following this link](#) or direct questions or comments to Tobias Kock at [fisheriesengineeringscience@gmail.com](mailto:fisheriesengineeringscience@gmail.com)

## Phase 1: Upper Columbia Fish Passage & Reintroduction

The Upper Columbia United Tribes (UCUT), with support from the United States Geological Survey (USGS), the Washington Department of Fish and Wildlife (WDFW) and others, have completed an extensive investigation into the reintroduction of anadromous fish to accessible habitats upstream of Chief Joseph and Grand Coulee dams.

In 2019 UCUT compiled these investigations into a comprehensive Phase 1 report, synthesizing results from the various studies into one document. Individual components of the report include a risk and donor stock assessment, evaluations of riverine and reservoir habitats, options for potential fish passage facilities at both dams, as well as life cycle modeling of various management scenarios and survival assumptions. Upper Columbia populations of Summer Chinook and Sockeye were selected as the top candidates for donor stocks, given their availability and disease histories. Selection of these donor stocks is further supported by the quantity and condition of habitats in the region.

Multiple reviews of fish passage indicate that technologies for juvenile and adult passage at both of the projects exist, however more intensive research coordinated with engineers and dam operators is necessary to determine the most effective type of passage facilities and their configuration. Lastly, life cycle modeling has indicated that, under a suite of management actions, the establishment of viable populations is possible and could provide substantial benefits to the Columbia River Basin.

Please RSVP by [following this link](#) or direct questions or comments to Tobias Kock at [fisheriesengineeringscience@gmail.com](mailto:fisheriesengineeringscience@gmail.com)

The Joint Committee on Fisheries Engineering and Science is hosting a free webinar series as part of its mission to engage scientists and engineers on topics related to fish passage. The Committee consists of members of the American Fisheries Society Bioengineering Section (AFS-BES) and the American Society of Civil Engineers Environmental and Water Resources Institute (ASCE-EWRI). It was established in January 2011 to foster communication between the two groups, provide opportunities for engineers and biologists to share relevant knowledge and learn from one another, and to collaborate on projects related to fish passage.