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RECLAMATION

# Skokomish River Ecosystem Restoration and HEC-RAS Modeling

## Environmental Research Webinar Series

*Sponsored by Reclamation's Science and Technology Program*



### Presenter Biographies:

Brendan Comport is a Hydraulic Engineer who has been with the Corps Seattle District since 2010 and has a B.S. from University of Arizona and an M.S. from Colorado State University.

Zac Corum is a senior Hydraulic Engineer who has been with the Corps' Seattle District since 2001. He has over 20 years of experience designing, modeling, building and monitoring fish habitat projects specializing in reintroduction of large wood. He has been fortunate enough to work in messy rivers from Alaska to Brazil and has a B.S. from the University of Washington.

### WEBINAR INFORMATION

**DATE/TIME:** June 24, 2020, 2-3pm MST

**FACILITATOR:** Jennifer Bountry

**WEBINAR PLATFORM:** Web Ex

Meeting number (access code): 199 696 8035

Meeting password: J8KgGm7Ump3

**JOIN MEETING:**

<https://bor.webex.com/bor/j.php?MTID=m6af5e97096384b4f2610230ff78c8377>

**JOIN BY PHONE:** +1-415-527-5035 US Toll

The Skokomish River Ecosystem Restoration Project located on the Olympic Peninsula in Washington State is being jointly implemented by the Seattle District USACE (Corps), Mason County, and Skokomish Indian Tribe. The project has been underway for over a decade with significant support and collaboration from Reclamation's TSC staff. The primary project objectives are to restore hydrologic connectivity between the South Fork and mainstem Skokomish Rivers, and to improve fish habitat through addition of large wood and levee setbacks. Significant project constraints include a legacy of channel manipulation and watershed development that have contributed to rapid sedimentation, dynamic morphology, perched channels, avulsion hazards, widespread frequent flooding and degraded habitat.

Brendan's presentation will highlight overall project objectives, current river conditions, and hydraulic modeling challenges. Zac's presentation will highlight the challenges associated with installing over 50 large wood structures in a 3 mile reach of the South Fork and will also present the Corps' current workflow for integrating 3D wood structure designs into 2D hydrodynamic models.

Project Background:

<https://www.nws.usace.army.mil/Missions/Civil-Works/Programs-and-Projects/Projects/Skokomish-River-Basin/>  
[https://scholarworks.umass.edu/cgi/viewcontent.cgi?article=2019&context=fishpassage\\_conference](https://scholarworks.umass.edu/cgi/viewcontent.cgi?article=2019&context=fishpassage_conference)

Please direct webinar questions to Jennifer Bountry at [jbountry@usbr.gov](mailto:jbountry@usbr.gov) or (303) 445-3614