

2023 AFEP Annual Review

January 22-23, 2024

Columbia Gorge Discovery Center, The Dalles, Oregon

Webex: <https://usace1.webex.com/join/jacob.macdonald>

Agenda

DAY 1 Monday

1.1 10:00: Plenary

- Jake Macdonald (USACE) - Welcome & introduction
- Tim Dykstra (USACE) - Opening remarks

1.2 10:30: Juvenile Fish Passage

- 1.2.1 Steve Smith (NOAA) – Juvenile Salmonid Reach Survival Estimates from PIT-Tagged Fish, 2023 Update (BPA funded)
- 1.2.2 Steve Smith (NOAA) – Seasonal Effects of Transporting Fish from the Snake River, 2023 Update (USACE funded)
- 1.2.3 Steve Whitlock (UW) – Trends in PIT-tag data availability for juvenile Snake River Pacific salmon – (BPA funded)
- 1.2.4 Daniel Deng (PNNL) – acoustic telemetry for juvenile lamprey passage at Lower Granite and Lower Monumental dams (USACE funded)
- 1.2.5 Cory Hoffman (Normandeau) - Ice Harbor balloon tag study (USACE funded)

1.3 12:30: Lunch Break (not provided)

1.4 13:30: Adult Fish Passage

- 1.4.1 Blane Bellerud – NMFS PIT tag based adult conversion rate estimate methodology.

1.5 14:00: Technology

- 1.5.1 Gabriel Brooks (NOAA) – Advancements in PIT detection technology: Flexible cable PIT trawl, PIT detection on pile dikes, TSW detector, etc. (BPA funded)
- 1.5.2 Kyle Tidwell (USACE) – Predicting fish impacts of navigation structure design and repair. (USACE funded)
- 1.5.3 Daniel Deng (PNNL): Next-Generation Miniature Transmitter Development for Fish Passage Monitoring

1.6 15:00: Estuary Habitat

- 1.6.1 Mark Bierman/Chanda Littles (USACE) – The Corps' role in the Columbia Estuary Ecosystem Restoration Program (CEERP)
- 1.6.2 Nichole Sather (PNNL) – Action Effectiveness Monitoring and Research of Dredged Material Placement at Woodland Islands (USACE funded)
- 1.6.3 Amy Hansen (USGS) - Evaluation of Fish Use at Woodland Islands, Lower Columbia River, 2022-23 (USACE funded)

DAY 2 Tuesday

2.1 09:30: Avian predation management

- 2.1.1 Kyle Tidwell (USACE) – Predation management on ESI and upland dredge placement sites in the estuary
- 2.1.2 Allen Evans (RTR) – System-wide effects of predation by terns, cormorants, gulls, and pelicans on Upper Columbia River steelhead in 2023 (funded by BPA and Grant County PUD via the Priest Rapids Coordinating Committee)

2.2 10:30: Open discussion

- 2.2.1 James Lawonn (ODFW) - Planned management of double-crested cormorants at the Astoria-Megler Bridge
- 2.2.2 Ralph Lampman (Yakama Nation) - Preliminary results from a pilot predation study
- 2.2.3 Charles Morrill (WDFW) – Cumulative temperature thresholds for sockeye.

2.3 11:30: Adjourn.