Session 5: Fish Passage and Fish Ecology in the Northwest
Room: Gjerde Center - Main Hall (Meeting Rooms 3/4/Multi-Purpose)
Moderator: Alison Colotelo

8:20  JSATS TAG DEVELOPMENT FOR JUVENILE SALMON, STURGEON, EEL, AND LAMNIPREY. Daniel Deng, Huidong Li, Jie Xiao, Mitchell Myjak, Jun Lu, Jayson Martinez, Tom Carlson, Mark Weiland, Rich Brown, Pacific Northwest National Laboratory, Richland, WA; Brad Eppard, U.S. Army Corps of Engineers, Portland District, Portland, OR

8:40  DOWNSTREAM MIGRATION OF FISH THROUGH RIVERS CONTAINING HYDROELECTRIC FACILITIES. Alison Colotelo, Ryan Harnish, Geoff McMichael, Daniel Deng, Kenneth Ham, Mark Weiland, Pacific Northwest National Laboratory, Richland, WA; John Skalski, University of Washington, Seattle, WA; Brad Eppard, U.S. Army Corps of Engineers, Portland District, Portland, OR; Tim Wik, Chris Pinney, U.S. Army Corps of Engineers, Walla Walla District, Walla Walla, WA

9:00  EVALUATION OF THE FACTORS AFFECTING ROUTE OF PASSAGE AND SURVIVAL OF ACOUSTIC-TAGGED SALMONIDS AT SNAKE RIVER HYDROELECTRIC DAMS. Ryan Harnish, Kenneth Ham, Alison Colotelo, Daniel Deng, Pacific Northwest National Laboratory, Richland, WA

9:20  HYDROACOUSTIC EVALUATION OF JUVENILE SALMONID PASSAGE AND DISTRIBUTION AT FOSTER DAM. James Hughes, Pacific Northwest National Laboratory, Richland, WA; Fenton Khan, U.S. Army Corps of Engineers, Portland, OR 97208; Jina Kim, Jose Vazquez, Pacific Northwest National Laboratory, Richland, WA; Gary Johnson, Portland, OR

9:40  FISH PASSAGE AND REINTRODUCTION INTO THE UPPER COLUMBIA RIVER. Keith Kutchins, Stephen Smith, Upper Columbia United Tribes, Spokane, WA

10:30  WHOOSH FISH TRANSPORT SYSTEM: EVALUATION OF A NOVEL APPROACH TO MOVING LIVE FISH. Katie A. Wagner, Alison H. Colotelo, Tim J. Linley, Ann L. Miracle, David R. Geist; Pacific Northwest National Laboratory, Richland, WA

10:50  AUTOMATED CLASSIFICATION OF FISH EPITHELIAL DAMAGE FROM FLUORESCENT IMAGES. Sadie A. Mckee, Pacific Northwest National Laboratory, Richland, WA
Session Schedule
Friday, April 3

Session 5: Fish Passage and Fish Ecology in the Northwest
Room: Gjerde Center - Main Hall (Meeting Rooms 3/4/Multi-Purpose)
Moderator: Alison Colotelo

11:10 INVESTIGATING FALBACK AND SURFACE PASSAGE ROUTES FOR OVERWINTERING ADULT STEELHEAD AT LOWER COLUMBIA RIVER DAMS. Brad Trumbo, US Army Corps of Engineers, Walla Walla District, Walla Walla, WA

11:30 ACOUSTIC TRACKING OF REDBAND TROUT (ONCORHYNCHUS MYKISS VAR. GARDNERII) IN LAKE ROOSEVELT, WASHINGTON. Jessica A. Walston, Krisztian Magori, Allan T. Scholz, Eastern Washington University, Cheney WA

1:20 STEELHEAD OUTMIGRATION IN THE WALLA WALLA RIVER BASIN, AN EXPLORATORY LOOK AT A COMPLEX SYSTEM. Eli Robinson, Timothy H. Parker, Whitman College, Walla Walla, WA

1:40 GENETICS AND MOVEMENT OF COLUMBIA RIVER REDBAND TROUT, ONCORHYNCHUS MYKISS GARDNERI, IN DRY CREEK, IDAHO. Christoph A. Walser, Shelby Richins, Sarah Walsh, The College of Idaho, Caldwell, ID

2:00 FISH PRESENCE/ABSENCE AND STREAM HABITAT IN AREAS AFFECTED BY SEDIMENT FROM MOUNT SAINT HELENS ERUPTION. James Hughes, Pacific Northwest National Laboratories, Richland, WA; Fenton Khan, U.S. Army Corp of Engineers, Portland District, Portland, OR; Geoff McMichael, Evan Arntzen, Chris Vernon, Eric Fischer, Ryan Harnish, Sadie Mckee, Robert Mueller, Jose Vazquez, Pacific Northwest National Laboratories, Richland, WA

2:20 2014 NWSA Student Grant Recipient Presentation

EVALUATING HYPOXIA-INDUCIBLE FACTOR-1α mRNA EXPRESSION IN A PELAGIC FISH, PACIFIC HERRING CLUPEA PALLASII, AS A BIOMARKER FOR HYPOXIA EXPOSURE. Halley E. Froehlich, Steven B. Roberts, Timothy E. Essington, University of Washington, Seattle, WA