

Northwestern Division U.S. Army Corps of Engineers
Anadromous Fish Evaluation Program 2014 Annual Review

911 Federal Building
911 NE 11th Ave, Portland, Oregon 97232
December 10-11, 2014

Wednesday December 10, 2014		
8:00	2014 AFEP Introduction	USACE
<u>ADULT SALMON and STEELHEAD STUDIES</u>		
8:10	Session Introduction	USACE
8:15	Conversion of radio-tagged adult Chinook salmon and steelhead through the Federal Columbia River Power System (FCRPS), 2013-2014	Matt Keefer (UI)
8:35	Evaluation of adult salmon and steelhead passage behavior and success in relation to fishway modifications at Bonneville Dam.	Chris Caudill (UI)
8:55	Evaluation of adult salmon and steelhead passage behavior in relation to fishway modifications at The Dalles and John Day dams, 2013-2014	Kinsey Frick (NOAA)
9:15	Steelhead kelt passage distributions and FCRPS survival and return rates for fish tagged above and at Lower Granite Dam. (Year 3)	Ryan Harnish (PNNL)
9:35	Overwintering distribution and behavior of adult steelhead in the FCRPS, 2013-2014	Matt Keefer (UI)
9:55	McNary Dam Adult Steelhead Direct Survival Study	Normandeau Associates
10:15	Break (15 minutes)	
10:25	Adult Steelhead and Chinook salmon passage, survival, and conversion through the lower Snake River. New adult PIT detection efficiencies.	Steve Anglea (BioMark)
10:45	Passage and Survival of Adult Snake River Sockeye Salmon within and Upstream from the Federal Columbia River Power System	Brian Burke (NWFSC)
11:05	Adult Spring Chinook salmon passage, survival, and conversion through Little Goose and Lower Granite Dams and the lower Snake River-2013 Final Results.	UCDavis/University of Idaho
<u>BYPASS SYSTEM STUDIES</u>		
11:25	Session Introduction	USACE
11:30	Lower Granite Dam Juvenile Fish Collection Channel Prototype Overflow Weir and Enlarged Orifice Biological Evaluation, 2014.	UCDavis/RTR/Blue Leaf
11:50	Lower Granite Dam Juvenile Fish Collection Channel Prototype Overflow Weir and Enlarged Orifice: An Evaluation of Fish Injury and Subsequent Survival	UCDavis/RTR/Blue Leaf
12:10	Juvenile Bypass System Selectivity at FCRPS Dams	NMFS/Smith-Marsh
12:30	Lunch	

<u>AVIAN PREDATION STUDIES</u>		
13:30	Session Introduction	USACE
13:35	Status of Caspian tern breeding colonies at both managed and un-managed sites in the Columbia Basin and at Corps-constructed islands	Dan Roby (OSU)
13:55	Connectivity of managed and un-managed Caspian tern breeding colonies as revealed by resightings of banded individuals	Yasuko Suzuki (OSU)
14:15	Caspian tern response to management at Goose Island, Potholes Reservoir, as indicated using satellite telemetry	Don Lyons (OSU)
14:35	Caspian tern predation on juvenile salmonids in the Columbia River Basin: a synopsis of PIT tag recovery methods, analyses, and results from 2014	Allen Evans (Real Time Research)
14:55	Factors influencing predation on juvenile salmonids by double-crested cormorants in the Columbia River estuary: A retrospective analysis	Dan Roby (OSU)
15:15	Break (10 minutes)	
<u>PASSAGE AND SURVIVAL STUDIES</u>		
15:25	Session Introduction	USACE
15:30	Methods and Overview for Compliance Study Assessment of Juvenile Salmonids at McNary and John Day Dam's, 2014	Mark Weiland (PNNL)
15:50	Results of 2014 Survival Compliance Studies at McNary and John Day Dams	John Skalski (UW)
16:10	2013 Little Goose Summer Juvenile Salmon Dam Passage Performance Standard Route Survival Diagnostics	Ryan Harnish (PNNL)
16:30	Pit-Tag reach survival estimates, 2014	Steve Smith (NWFS)

Thursday December 11, 2014

9:00	Introduction	USACE
9:10	Growth of Smolts Between Lower Granite and Bonneville Dams	Tiffany Marsh (NWFSC)
9:30	JSATS Tag development for juvenile salmon, sturgeon, eel, and lamprey	Daniel Deng (PNNL)
TRANSPORTATION STUDIES		
9:50	Session Introduction	USACE
9:55	Determine the Seasonal Effects of Transporting fish from the Snake River to optimize a Transportation Strategy.	Steve Smith (NWFSC)
10:15	Fall Chinook Transportation Evaluation	Steve Smith (NWFSC)
10:35	Analysis of straying rates and behaviors of Snake and Columbia River salmon and steelhead	Andy Dittman (NWFSC)
10:55	Break (10 minutes)	
TURBINE SURVIVAL STUDIES		
11:05	Session Introduction	USACE
11:10	Comparative Evaluation of Ice Harbor Dam Replacement Runners (Units 1 and 2).	Corps-NWW
11:30	Depth Distribution of Migrating Yearling and Subyearling Chinook Salmon and Juvenile Steelhead In the Snake River	Daniel Deng (PNNL)
11:50	Lunch (1 hour)	
LAMPREY STUDIES		
12:50	Session Introduction	USACE
12:55	The 2014 adult Pacific lamprey migration: HD-PIT and radiotelemetry summaries	Matt Keefer (UI)
13:15	Using the Juvenile Salmon Acoustic Telemetry (JSATS) system to evaluate adult Pacific lamprey movements and fate in Columbia River reservoirs, 2011-2014.	Chris Noyes (UI)
13:35	Development and use of lamprey passage structures at the Bonneville Dam Lamprey Flume System and John Day Dam North Fishway Entrance, 2013-2014.	Chris Caudill (UI)
13:55	Modification and evaluation of lamprey passage structures (LPSs) at Bonneville Dam and the John Day south fishway collection trap, 2014.	Steve Corbett (NWFSC)
14:15	Break (10 minutes)	
14:25	If you build it they will come: an experimental vertical climbing wall	Kinsey Frick (NOAA)

Thursday December 11, 2014

14:45	Use of Network Theory to Evaluate Fish Passage Behavior at Bonneville Dam	Mark Kirk (UI)
15:05	Evaluation of Adult Lamprey Passage Behavior in Relation to Prototype McNary Dam South Shore Entrance Structure and Estimating Total Ladder Escapement Through McNary and Ice Harbor Dams.	UCDavis/University of Idaho
15:25	Evaluation of Adult Pacific Lamprey Migration Behavior and Passage Success in Lower Snake River	Cramer Fish Sciences /USFWS
15:45	Assessment of Fluctuating Reservoir Elevations Using Hydraulic Models and Impacts on Larval Pacific Lamprey Rearing Habitat in the Bonneville Pool	Bob Mueller (PNNL)
16:05	Evaluation of Larval Pacific Lamprey Rearing in Mainstem Areas of the Columbia and Snake Rivers Impacted by Dams	Tim Whitesel (USFWS)
16:25	Adjourn	