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
	ADULT SALMON and STEELHEAD STUDIES	
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	Joanne Phipps (Norm. Assoc.)
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	Lisa Crozier (NWFSC)
11:05	Migration Timing and Survival of PIT-tagged Adult Salmonids from the Columbia River Estuary to Bonneville Dam, 2014	Dick Ledgerwood (NWFSC)
	BYPASS SYSTEM STUDIES	
11:25	Session Introduction	USACE
11:30	Lower Granite Dam Juvenile Fish Collection Channel Prototype Overflow Weir and Enlarged Orifice Biological Evaluation, 2014.	Rod O'Conner (Blue Leaf Env.)

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11:50	Lower Granite Dam Juvenile Fish Collection Channel Prototype Overflow Weir and Enlarged Orifice: An Evaluation of Fish Injury and Subsequent Survival	Allen Evans (RTR)
12:10	Juvenile Bypass System Selectivity at FCRPS Dams	Tiffani Marsh (NWFSC)
12:30	Lunch	
	AVIAN PREDATION STUDIES	
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 (RTR)
14:55	Break (10 minutes)	
	PASSAGE AND SURVIVAL STUDIES	
15:05	Session Introduction	USACE
15:10	Methods and Overview for Compliance Study Assessment of Juvenile Salmonids at McNary and John Day Dam's, 2014	Mark Weiland (PNNL)
15:30	Results of 2014 Survival Compliance Studies at McNary and John Day Dams	John Skalski (UW)
15:50	2013 Little Goose Summer Juvenile Salmon Dam Passage Performance Standard Route Survival Diagnostics	Ryan Harnish (PNNL)
16:10	JSATS Tag development for juvenile salmon, sturgeon, eel, and lamprey	Daniel Deng (PNNL)

Thursday, December 11, 2014		
9:00	Session Introduction	
9:10	Pit-Tag reach survival estimates, 2014	Steve Smith (NWFSC)
9:30	Growth of Smolts Between Lower Granite and Bonneville Dams	Tiffany Marsh (NWFSC)
9:50	Detection of PIT-Tagged Juvenile Salmonids Using a Surface Pair-Trawl in the Columbia River Estuary, 2014	Matthew Morris (NWFSC)
	TRANSPORTATION STUDIES	
10:10	Session Introduction	USACE
10:15	Determine the Seasonal Effects of Transporting fish from the Snake River to optimize a Transportation Strategy.	Steve Smith (NWFSC)
10:35	Fall Chinook Transportation Evaluation	Steve Smith (NWFSC)
10:55	Analysis of straying rates and behaviors of Snake and Columbia River salmon and steelhead	Andy Dittman (NWFSC)
11:15	Break (10 minutes)	
	TURBINE SURVIVAL STUDIES	
11:25	Session Introduction	USACE
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	Pacific Lamprey swimming behavior and performance in relation to passage barrier velocity, distance and turbulence in an experimental flume, 2014	Mark Kirk (UI)
13:55	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)

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14:15	Modification and evaluation of lamprey passage structures (LPSs) at Bonneville Dam and the John Day south fishway collection trap, 2014.	Steve Corbett (NWFSC)
14:35	Break (10 minutes)	
14:45	If you build it they will come: an experimental vertical climbing wall	Kinsey Frick (NOAA)
15:05	Use of Network Theory to Evaluate Fish Passage Behavior at Bonneville Dam	Mark Kirk (UI)
15:25	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.	Frank Loge (UCD)
15:45	Evaluation of Adult Pacific Lamprey Migration Behavior and Passage Success in Lower Snake River	Chris Peery (USFWS)
16:05	Assessment of Fluctuating Reservoir Elevations Using Hydraulic Models and Impacts on Larval Pacific Lamprey Rearing Habitat in the Bonneville Pool	Bob Mueller (PNNL)
16:25	Evaluation of Larval Pacific Lamprey Rearing in Mainstem Areas of the Columbia and Snake Rivers Impacted by Dams	Tim Whitesel (USFWS)
16:45	Adjourn	