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Montana

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Montana

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Idaho

James A. Yost
Idaho



Dick Wallace
Vice-Chair
Washington

Tom Karier
Washington

Bill Bradbury
Oregon

Joan M. Dukes
Oregon

April 27, 2011

MEMORANDUM

TO: Council Members

FROM: Jim Ruff – Manager, Mainstem Passage and River Operations

SUBJECT: Briefing and summary of U.S. Army Corps of Engineers' 2010 Anadromous Fish Evaluation Program research

At the May 10, 2011, Council meeting in Hood River, Oregon, Marvin Shutters and M. Brad Eppard of the U.S. Army Corps of Engineers (the Corps) will present a briefing and summary of research results from the Corps' 2010 Anadromous Fish Evaluation Program (AFEP). Marvin Shutters is Chief of the Environmental Analysis Section in the Corps' Walla Walla District and Brad Eppard is the AFEP Coordinator for the Corps' Portland District.

The Corps' AFEP collects scientific information to inform and guide the decision process on improvements to juvenile and adult fish passage through modifications to Corps-operated passage facilities within the Federal Columbia River Power System (FCRPS). Actions implemented in 2010 were aimed at achieving juvenile salmon dam passage survival performance standards specified in the 2008 NOAA Fisheries FCRPS Biological Opinion, 2010 Supplemental Biological Opinion and Columbia Basin Fish Accords. The AFEP expended a total of \$38.3 million in fish-related research projects in 2010.

As in past years, AFEP research in 2010 was focused on several programs including juvenile fish passage, juvenile fish transportation, Pacific lamprey, predation, turbine survival studies, adult salmon passage, bull trout and estuary studies. This presentation will provide a summary of results from studies conducted in 2010.