



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, PORTLAND DISTRICT
PO BOX 2946
PORTLAND OR 97208-2946

JUL 16 2015

Planning, Programs and Project
Management Division

Dear FFDRWG Members and Interested Parties:

Please find the enclosed drawings and hydraulic calculations associated with minor fishway modifications planned for installation in the serpentine weir section of the Bradford Island Fish ladder at Bonneville Dam.

There are three components proposed for installation: (1) small refuge boxes to provide in-fishway cover and potential guidance to lamprey orifices; (2) lamprey orifices to improve passage through the problematic serpentine weir section, and; (3) guides to facilitate post-construction evaluation of these structures. This is an iterative effort; additional refuge boxes or orifices may be installed here and elsewhere in future years should evaluation suggest use by lamprey and no impacts to ESA-listed salmonids. A 9 July 2015 Memorandum for the Record summarizing hydraulic analysis of a full complement of lamprey orifices is included for reference. This effort is part of a broader project to complete minor fishway modifications for lamprey at Bonneville, The Dalles, and John Day dams.

Lamprey passage improvements at the Lower Columbia River hydroelectric projects are funded through the Columbia River Fish Mitigation Program and are designed to meet commitments made under the 2008 Columbia Basin Fish Accords. Your review is appreciated. You may send your comments to Sean Tackley at sean.c.tackley@usace.army.mil or 503-808-4751 by 6 August 2015. Thank you for your continued participation in the design review process.

Sincerely,

A handwritten signature in dark ink, appearing to read "Joyce E. Casey".

JEC
Joyce E. Casey
Chief, Environmental Resources Branch