



# United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Columbia River Fish and Wildlife Conservation Office  
1211 SE Cardinal Court, Suite 100  
Vancouver, Washington 98683-9658

April 6, 2018

Joyce Casey  
Chief, Environmental Resources Branch  
Portland District  
US Army Corps of Engineers

Dear Ms. Casey,

Thank you for the opportunity to review the 30% Design Documentation Report (DDR) for the Detroit Floating Screen Structure. The U.S. Fish and Wildlife provides comments below for your consideration in the development of the 60% DDR. If you have any questions, please do not hesitate to contact me.

Sincerely,

J. Michael Hudson  
Fish Biologist

EC: Jon Rerecich, Rich Piaskowski, USACE  
Diana Dishman, NMFS  
Bernadette Graham Hudson, Kelly Reis, ODFW  
Nancy Gramlich, ODEQ  
Lawrence Schwabe, CTGR  
Leslie Bach, NPCC  
Christine Peterson, BPA  
Rollie White, Chris Allen, USFWS



Comments:

USACE – Thank you for your comments. USACE responses are in blue.

### General

In development of 60% DDR, please consider the incorporation of volitional downstream passage in conjunction with operation of the FSS.

We concur that volitional (piped bypass) passage in conjunction with the FSS should be evaluated. However, the AE has not been contracted for this part of the design and will continue with the development of trap and haul. It is anticipated that trap and haul will be a necessary component, at least in the early stages of operation. Efforts are underway to develop a strategy to utilize new information through RM&E regarding the potential biological benefits/risks of the two alternatives and we continue to improve our understanding of the trap and haul life cycle costs through DDR level design. The DET conveyance alternatives, alignment with the BiOp implementation schedule, high head bypass team study results and next steps, are being discussed and evolving. There will be more discussion with USFWS and WFFDWG as this progresses.

### Section 1 – Purpose and Introduction

1.2.2. Page 1.2. First paragraph. “Seventy-fifth Congress”.

This has been corrected.

1.2.2. Page 1-2. Did HD544 lay out power production and navigation as primary purposes for Willamette Project Dams? The following language is from HD531, “However, the necessity for operating most of the sub-basin projects according to local considerations is apparent. The Willamette Valley project, for example, must be operated primarily in the interest of the Willamette Valley, since its contribution to regional or lower Columbia flood control is negligible, and the 387,000 kilowatts installed capacity in the sub-basin plan is very small compared to that provided in the main control plan. Coordination as regards power requirements, between the Willamette Valley hydroelectric installations and the balance of the basin, however, should and will be effected, but as a secondary consideration, and subject to the primary purpose of these projects to provide for flood control and water conservation in the Willamette Valley.”, indicates the primary purpose is flood control and water conservation. That being said, the purpose and function of Detroit Reservoir is laid out in “Authorized and Operating Purposes of Corps of Engineers Reservoirs” (Department of the Army, U.S. Army Corps of Engineers, 1992), with the operating and authorized purposes of flood control, irrigation, hydroelectric power, recreation, navigation, fish/wildlife, and water quality. Given that this project is proceeding to benefit multiple species of fish, we recommend specifically including fish/wildlife in the two places in this section that list purposes and functions.

Concur. The following DDR text has been edited to provide clarity to the Detroit Project authorized purposes -



"Project Authorization:

The construction of the Detroit Dam, North Santiam River, Oregon, was authorized by the Flood Control Act of 1938, Pub. L. No. 75-761 (52 Stat. 1215). The law approved the "general comprehensive plan for flood control, navigation, and other purposes in the Willamette River Basin as set forth in House Document Numbered 544, Seventy-fifth Congress, third session". The Flood Control Act of 1948, Pub. L. No. 80-858 (62 Stat. 1175), modified the Flood Control Act of 1938 to provide for the installation of hydroelectric power-generating facilities at Detroit Dam, and included the construction of Big Cliff Dam as a part of the Detroit project, in accordance with plans on file in the Headquarters Office, Chief of Engineers. These and subsequent laws have authorized the following project purposes at Detroit Dam: flood control, navigation, hydropower, water supply (irrigation, and municipal and industrial), water quality, fish and wildlife, and recreation."

- 1.5. Page 1-3. It would be appropriate to list all regularly participating member agencies/entities of the WFFDWG.

Concur. All participating member agencies/entities of the WFFDWG will be included, USACE, BPA, NOAA, USFWS, ODFW, the Confederated Tribes of Grande Ronde.

Section 8 – Environmental and Cultural Resources

- 8.3.2. Please change Lane County to Marion County.

Made requested change to 8.3.2.

- 8.3.2. If you are doing this by county, the following species are also listed as threatened (T), endangered (E), or proposed (P) in Marion County: North American wolverine (P), Water howellia (T), Streaked Horned lark (T), Bradshaw's desert-parsley (E), Yellow-billed Cuckoo (T), Marbled murrelet (T), Nelson's checker-mallow (T), golden paintbrush (T), Willamette daisy (E), Kincaid's Lupine (T). (Source – Center for Biological Diversity - [http://www.biologicaldiversity.org/programs/population\\_and\\_sustainability/T\\_and\\_E\\_map/](http://www.biologicaldiversity.org/programs/population_and_sustainability/T_and_E_map/))

We are including Linn County as the area of impact overlaps both Marion and Linn Counties. Edited 8.3.2 to list the following species - threatened (T), endangered (E), proposed (P), or Candidate (C) in: North American wolverine (P), Water howellia (T), Streaked Horned lark (T), Bradshaw's desert-parsley (E), Yellow-billed Cuckoo (T), Marbled murrelet (T), Nelson's checker-mallow (T), golden paintbrush (T), Willamette daisy (E), Kincaid's Lupine (T), Northern spotted owl (T), Whitebark pine (C), bull trout (T), Fender's blue butterfly (E). (Source – Center for Biological Diversity - [http://www.biologicaldiversity.org/programs/population\\_and\\_sustainability/T\\_and\\_E\\_map/](http://www.biologicaldiversity.org/programs/population_and_sustainability/T_and_E_map/))

- 8.3.9 Please change Lane County to Marion County.

Made requested change to 8.3.9.

