

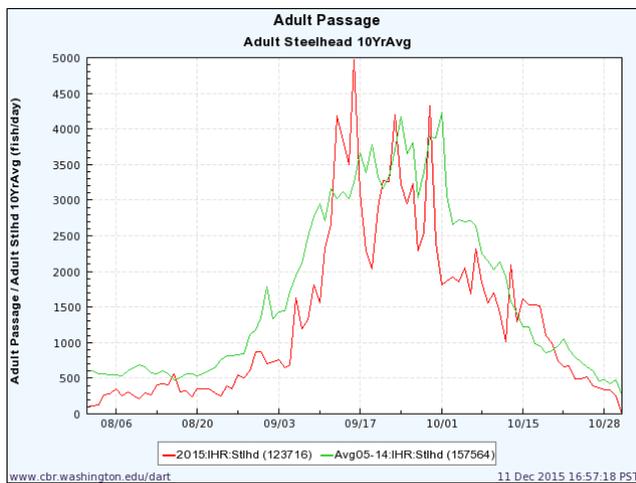
Fish Passage Plan (FPP) Change Request Form

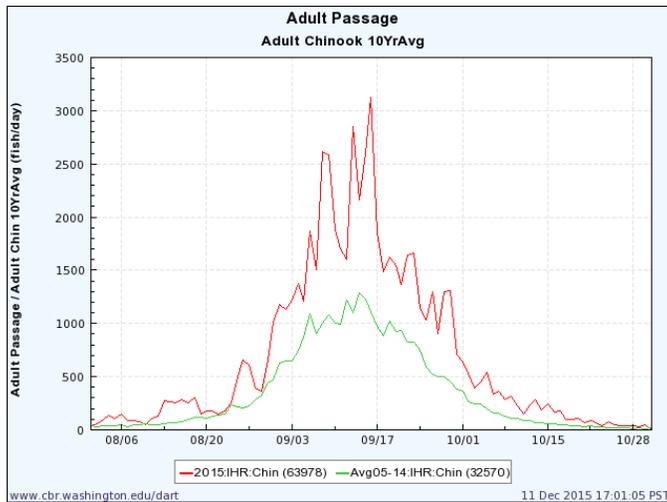
Change Form # & Title: 16IHR001 – New Section for Doble Testing
Date Submitted: December 16, 2015; Revised January 28, 2016
Project: IHR
Requester Name, Agency: Brian Vorheis, Ken Fone – COE, Ice Harbor Dam
Final Action: APPROVED – January 28, 2016

FPP Section: IHR Section 4.3. Turbine Unit Maintenance. Add new section 4.3.4.

Justification for Change: Doble testing occurs yearly at Ice Harbor and must be done when the weather is warm and dry. This year, Doble testing is scheduled August 22-26, 2016, on Line 1 (Units 1-2). Unit 1 must be taken out of service to accommodate line 1 Doble testing (Unit 2 will already be out of service for turbine runner replacement). After Doble testing is complete, it will take a week to bring the transformers and line 1 back in service. Unit 1 annual maintenance will be from August 15 to September 2, 2016.

The end of August time frame is when adult steelhead and fall Chinook runs are usually still fairly low before rapidly increasing in September.





Proposed Change: add new section 4.3.4.

4.3. Turbine Unit Maintenance.

4.3.4. Doble Testing. Transformer Doble testing is normally scheduled in the July to August time frame (see Appendix A for the yearly test schedule). At Ice Harbor the configuration of the transmission lines requires two units along with the associated line taken out of service to accommodate testing (Line 1: units 1 and 2; Line 2: units 3 and 4; Line 3: units 5 and 6). Doble testing is a three-year requirement so one line is taken down every year to test 2 transformers. Doble testing is conducted in conjunction with scheduled unit maintenance. Since Ice Harbor Dam has multiple transformer banks, transmission lines, and redundant switching capability, the remaining turbine units will be available for operation during these tests and will operate within the 1% range in accordance with FPP priority order.

4.3.4.1. In 2016, Doble testing on Line 1 transformers is scheduled August 22-26.

Commented [LSW1]: Move to Appendix A

Comments:

1/28/2016 Meeting: FPOM appreciates the justification behind why the dates for this year were selected and the corresponding fish passage data, and would like to see this for all projects each year. The request is to submit one change form per year with the Doble test schedule for all projects with the same justification for date selection and fish passage data. Yearly dates for Doble testing will remain in Appendix A.

Record of Final Action: APPROVED as revised at the FPP meeting 1/28/2016.