

**CENWP-OD-B**

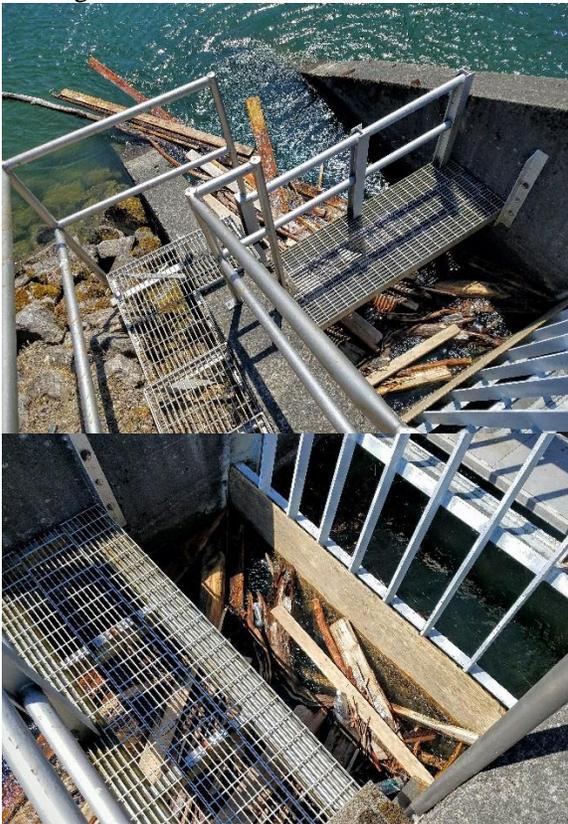
**07 August 2016**

**MEMORANDUM FOR THE RECORD**

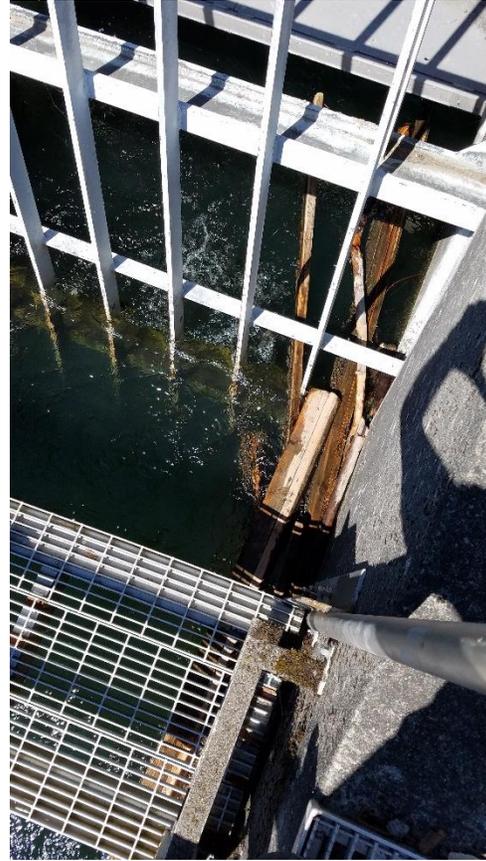
**SUBJECT: 16BON91 MFR – Closure of the WA shore exit for debris removal.**

On 05 and 06 August, a Project Biologist encountered large amounts of debris at the WA shore fish exit. The debris appeared to be the remnants of a fishing platform, with plywood occluding the fish exit trash rack. Photos from both days are included below. In order to remove the debris, the Biologist, with the assistance of Operations, closed the exit for ~15 minutes on 05 August and ~20 minutes on 06 August to reduce flows and allow removal of the debris.

05 August:



06 August:



Information collected is provided below:

- A. Species – All occurring in WA shore ladder
- B. Origin – N/A
- C. Length – N/A
- D. Marks and Tags – N/A
- E. Marks and injuries found on carcass – No mortalities occurred as a result of this operation.
- F. Cause and Time of Death – N/A. Closure of the exit occurred ~1300 – 1315 on 05 August and ~1200 – 1220 on 06 August.
- G. Future and Preventative Measures – None. Project Fisheries along with Project Operations are monitoring the fish exit trash rack.

**Comments:**

Sincerely,  
Bonneville Fisheries

On Tue, Aug 16, 2016 at 11:20 AM, Bissell, Brian M NWP <Brian.M.Bissell@usace.army.mil  
<mailto:Brian.M.Bissell@usace.army.mil> > wrote:

Gary,

As requested attached are a number of pictures of the tribal fishing platforms that have been erected immediately upstream of the WA shore fishway exit. A few items to consider when reviewing these photos is that while boom is in place, it is often inefficient at straining water logged constructed lumber that we can with a relatively high degree of confidence attribute from tribal platforms due to their extremely close proximity.

While no photos are attached another item to consider is that this due to their location and PH2 unit priority, debris from fishing platforms often stays on the north end of the powerhouse (circles in an eddy) until trash raking occurs and through unit manipulation the debris ends up exiting the forebay via B2CC. We are confident that this debris is not only washing up on the fishway exit, but also has the potential to be entrained in the gatewells for the juvenile bypass as well as turbine intake trash rakes.

If debris slips through the primary fishway exit trash rakes, it is often held up causing passage obstacles within the serpentine section of the fishway.

Often this type of debris is simply removed and not documented. While events such as August 5th and 6th are less frequent, smaller amounts can be observed daily to weekly. A single board with nails or screws in it stuck between two serpentine weirs could be a common observation. Again, this is visible debris; waterlogged debris could be lurking below the water surface and we'd never know.

Hope this paints an accurate picture of what us bios out here observe on a somewhat frequent bases.

Cheers,

Brian Bissell, Fish Biologist  
U.S. Army Corps of Engineers  
Bonneville Lock & Dam  
541-374-7984 <tel:541-374-7984> (Office)

-----Original Message-----

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov  
<mailto:gary.fredricks@noaa.gov> ]

Sent: Friday, August 12, 2016 3:05 PM

To: Mackey, Tammy M NWP <Tammy.M.Mackey@usace.army.mil  
<mailto:Tammy.M.Mackey@usace.army.mil> >

Cc: Hausmann, Ben J NWP <Ben.J.Hausmann@usace.army.mil  
<mailto:Ben.J.Hausmann@usace.army.mil> >; Bissell, Brian M NWP  
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Kovalchuk, Erin H NWP <Erin.H.Kovalchuk@usace.army.mil  
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<Trevor.Conder@noaa.gov <mailto:Trevor.Conder@noaa.gov> >

Subject: [EXTERNAL] Re: FPOM: Official Coordination 16BON91 MFR WA shore exit  
closure

Tammy, I would like to get some more information on this ladder exit issue. Was this a unique situation or have there been other occurrences of debris plugs or partial plugs with dimensional lumber like this. If so, is there any way to tally up the time this has occurred at the ladder exit (or in the ladder itself) in the past few years. Thanks, Gary