

OFFICIAL COORDINATION REQUEST FOR NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE- 14TDA03 east deck work

COORDINATION DATE- Mar 10, 2014

PROJECT- The Dalles Lock and Dam

RESPONSE DATE- ASAP

Description of the problem- The road deck over the gallery near the east fishway exit has a 2 leaking expansion joint. The leak threatens electrical panels in the gallery below. These panels feed all of the east exit weir automation and count station equipment. One of the expansion joints is approximately 50' from the fishway exit, well within the 100' Fish Passage Plan boundary. (East exit located below far white signs in pic). The other expansion joint is over the 100' limit.

This work includes concrete cutting a 1' by 3' area where a train rail intersects the expansion joint (visible in pic). Then sealing and filling the area with asphalt. The work was planned for February, however high precipitation weather conditions prevented it.



Type of outage required- No outage necessary.

Impact on facility operation- None

Length of time for repairs- One day. Would like to do the work during the week of 10 March, when the other sections (outside the 100' buffer) will be repaired. The Project can wait until the following week if necessary.

Expected impacts on fish passage-

Downstream migrants- no expected impacts since TDA does not have a juvenile bypass facility and this work will be completed more than 100' from the ITS or the spillway (typical routes for downstream migrants).

Upstream migrants- fish passage numbers during this time of year are typically low. Winter counts at TDA have been conducted in only one of the last five years. The passage numbers from March 1-15 2012 are shown in the table below.

Table 1. 1-15 March 2012 Fish counts at TDA.

DATE	Total (Chinook and steelhead)	Chinook (all)	Steelhead Total	Steelhead (clipped)	Steelhead (unclipped)
3/1/12	14	0	14	5	9
3/2/12	18	0	18	7	11
3/3/12	19	0	19	9	10
3/4/12	26	0	26	12	14
3/5/12	38	0	38	18	20
3/6/12	20	0	20	4	16
3/7/12	35	0	35	10	25
3/8/12	30	0	30	12	18
3/9/12	15	1	14	9	8
3/10/12	25	1	24	13	14
3/11/12	19	1	18	10	8
3/12/12	26	1	25	12	13
3/13/12	19	0	19	9	10
3/14/12	29	1	28	12	16
3/15/12	25	1	24	13	11

Bull Trout- Occurrence in Action Area. Of the five distinct population segments (DPS) of bull trout listed as threatened by the USFWS, the Columbia River DPS is the only one that is likely to occur in the vicinity of the proposed project. Historically, bull trout of the Columbia River DPS likely ranged through much of the Columbia River Basin with spawning and rearing occurring in the coldest creeks, often at higher elevations. Presently, bull trout of the Columbia River DPS are distributed in a more fragmented pattern throughout the Columbia River Basin with fewer adult migratory fish and fewer, more compressed spawning reaches than historically occurred.

WDFW and Corps personnel provided a list of anecdotal sightings/captures of bull trout in the mainstem Columbia River. From 2000 through 2012 there were eleven bull trout reported. Three were downstream of Bonneville Dam, with two at the mouth of Hamilton Creek (RM 143) and one in 2005 at the Bonneville Dam Smolt Monitoring Facility (RM 144). Upstream of the dam, one bull trout was found at Cascade Locks (RM 149), two at Drano Lake (RM 162), two at the mouth of the Klickitat River (RM 180.5), one in 2002 at the John Day Dam Smolt Monitoring Facility (RM 215), and one sighting at Dog Creek Falls by a reputable WDFW creel sampler who observed 18- to 24-inch cuts or dollies working old redds below the splash pool over the course of two weeks.

Fish passage data from the Bonneville Dam fish ladders (Corps, unpublished) show only three sightings of bull trout moving through the fish ladders for 2000 through 2011 during the fish counting season (April 1 through October 31). These sightings occurred between May 30, 2009 and June 2, 2009 and were reported as '12-inch bull trout moving upstream' through the count window on each occasion.

Lamprey- No expected impacts. This work will be completed outside the normal lamprey passage window.

Comments from others-

NOAA Fisheries- -----Original Message-----

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

Sent: Tuesday, March 11, 2014 3:11 PM

To: Mackey, Tammy M NWP

Subject: [EXTERNAL] Re: FPOM: draft agenda and supplemental documents (UNCLASSIFIED)

I reviewed the TDA deck leak work MOC. All looked ok until I got to the poke in the eye on lack of scientific justification for a 100' exclusion zone and the total lack of any discussion of adult passage other than the three paragraphs covering the three bull trout that have ever been seen in the lower Columbia River. Glad we're finding out about this one on March 11, well before the week of March 10 requested start time. I'm sure I'll calm down before Thursday.
Gary

13 March 2014 FPOM- 14TDA03. East deck work. Cordie explained that the forebay deck is leaking into the electrical gallery, which has the controls for the east ladder exit weirs. The goal was to have this work completed in February but the weather did not allow for this. The work is now planned for later this week and next week. Aside from the comment from Cordie about the 100' buffer, Fredricks didn't have an issue with work. **FPOM concurred with the work being completed as coordinated. TDA Fisheries will monitor fish activity at the fish count window. Wills could not agree with a no effect decision. It was clarified that the Project will monitor to see if there is a negative impact.**

Final results- The work will go forward as coordinated.

Please email or call with questions or concerns.

Thank you,

Tammy

Tammy Mackey

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Columbia River Coordination Biologist

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