

**OFFICIAL COORDINATION REQUEST FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE**

COORDINATION TITLE- 13JDA03 LINE 1 OUTAGE

COORDINATION DATE- 8/26/13

PROJECT- John Day Dam- Miro Zyndol, POC

RESPONSE DATE- September 2013 FPOM

Description of the problem: JDA line 1 (units 1-4) outage is required by JDA to perform necessary bus/switching gear maintenance. This maintenance needs to be performed in dry/warm weather and cannot occur during the winter maintenance period.

Type of outage required: Line 1 will be out of service. This will take units 1-4 out of service at a time when they are still priority units.

Impact on facility operation : Units 1-4 will be OOS and will not be providing flushing flow for the JBS outfall. In addition, there will not be additional attraction flow from Unit 1 for the JDA-S SE1.

Dates of impacts/repairs: November 4- 7, 2013

Length of time for repairs: four days.

Expected impacts on fish passage:

Downstream migrating salmonids- Due to the timing of this outage to occur so late in the fish passage season, the expected impact on the juveniles should be minimal. Smolt Monitoring no longer monitors fish at this time of year. The flume is in bypass to allow for PIT tag detection of any adults passing. There will not be flushing flow from Units 1-4 but adults should be able to actively swim downstream or migrate back upstream if they so choose.

Upstream Migrating salmonids- While the impacts are expected to be minimal due to the fishway remaining in FPP criteria, there is the potential for many fish to still be migrating through JDA. If the flow from units 1-4 are critical to those fish keying in on the south fishway, several thousand fish could be delayed during the duration of the Line 1 outage.

However, based on conclusions found in the University of Idaho report **Radiotelemetry data for adult Chinook salmon at John Day Dam – 2006**, and that is an unlikely scenario.

"Based on these limited data and somewhat rough comparisons with passage times from other years (e.g., this comparison did not account for any effects of fishway modifications made in recent years), we conclude that passage of adult salmonids at John Day Dam through 16 May 2006 was not extraordinarily impeded because turbines 1-4 were decommissioned. Based on dam passage times alone, one might even suggest that conditions were slightly improved compared to other years" (bottom paragraph on Page

4, *Dam Passage Times*.) The report may be found at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Memos%20of%20Coordination%20and%20Notification/JDA%20MOC%20and%20MFR/> under **13JDA03 Attachment 1...**

Table 1. JDA Chinook, Steelhead, and Coho Counts from 1 – 10 November for years 2003 – 2007.

Year	JDA North			JDA-N total	JDA South			JDA-S total	TOTAL
	Chinook	Steelhead Clip/unclip	Coho		Chinook	Steelhead Clip/unclip	Coho		
2007	249	490/149	54	942	353	633/193	66	1245	2187
2006	326	1268/708	642	2944	758	3973/989	1430	7150	10094
2005	31	612/465	479	1587	228	2571/889	1236	4924	6511
2004	86	490/304	130	1010	567	847/409	551	2374	3384
2003	191	1167/659	23	2040	581	1743/521	77	2922	4962

Lamprey- lamprey numbers are usually dropping off by the end of October. This outage should have minimal impact.

Bull Trout- Bull trout will be affected similarly to other upstream migrating salmonids.

Comments from agencies

Final results

Approved.