

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

**COORDINATION TITLE-** 15BON83 CI Subsidence Investigation

**COORDINATION DATE-** 30 September 2015

**PROJECT-** Bonneville Lock and Dam

**RESPONSE DATE-** 05 October 2015 (FPOM)

**Description of the problem –**

BON Project is proposing to investigate the subsidence that has been occurring along the lower section of the Cascades Island fish ladder, including near the north spillway tower. The ladder would need to be watered up for the investigation and would include a limited amount of digging to remove the top asphalt layer and several feet of earth below it.

**Type of outage required –** No outage would be required. The work would occur the week of 5 October, one week prior to the dewatering of the Cascades Island fishway, which is scheduled for 13 October (see 15BON06).

**Impact on facility operation –** The investigation will require removing the top asphalt layer of the area near the lower fishway using heavy machinery. A portion of this work will occur within 50 feet of the Cascades Island fishway. The time required to do the work within 50 feet of the ladder is expected to be minimal and likely completed in one day. The project will perform the work between the hours of 1000 and 1400 to limit fish impacts.

**Dates of impacts/repairs –** The entire investigation would occur the week of 5 October. The work occurring within 50 feet of the fishway would be 7 October.

**Length of time for repairs –** The subsidence investigation would occur 5 – 9 October.

**Expected impacts on fish passage –**

**Upstream migrants –** Cascades Island is one of four ladder entrances available to upstream migrating fish.

**Table 1. 10-year average (2005 – 2014) total fish passage numbers at BON**

Date	All Chinook	All steelhead	All Coho	Totals
5-Oct	1934	677	2030	4641
6-Oct	1823	681	2150	4654
7-Oct	2024	657	2066	4747
8-Oct	2151	611	2032	4794
9-Oct	2075	564	2129	4768

**Downstream migrants –** This action will occur outside the peak juvenile passage time and will not impact surface passage routes.

**Comments from agencies**

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

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

Sent: Wednesday, September 30, 2015 2:15 PM

Subject: [EXTERNAL] Re: FPOM: Official Coordination - 15 Bon83 MOC CI Subsidence Investigation (UNCLASSIFIED)

Karrie, I talked with Ben this morning and we generally agreed to the work as described. The one item we discussed that I didn't see in the MOC was that I would prefer, to the extent possible that the work be done in the noon to 2 pm period to give a bit more time for the morning passage to move through the lower CI ladder. The 10 year average presented in the MOC table is probably a bit lower than what we are likely to see next week given that the counts are currently several thousand fish (Chinook) higher than the 10 year average (9,888 vs 3,653 on the 29th). Also, not be nit-picky or anything but, the 10 year count table in the MOC appears to be for adult Chinook only not "All Chinook" as stated. Thanks, Gary

**Final results – this action went forward as coordinated.**

Please email or call with questions or concerns.

Thank you,

Ben Hausmann

BON Project Fisheries

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Karrie Gibbons

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Columbia River Coordination Biologist

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