

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

**COORDINATION TITLE-** 16BON05

**COORDINATION DATE-** 2/1/2016

**PROJECT-** Bonneville Dam

**RESPONSE DATE-** 2/11/2016

**Description of the problem** – Continued subsidence near the Cascades Island adult fishway is prompted an ongoing investigation. There is a request to do an ROV survey of the rip rap area immediately south of the adult ladder in the spillway tailrace. The Corps would like to determine whether there is evidence of undermining or other deleterious conditions in that area related to the subsidence to the north of it.

**Type of outage required** – Spillbay 1 would need to shut down for several hours to allow the ROV to successfully navigate this area. In addition, if turbulence is still too great, Dive Safety would like permission to reduce adult ladder flow by shutting down lower ladder diffusers.

**Impact on facility operation** – None. Spillway 1 attraction flow will shut down while the inspection takes place and re-opened immediately upon completion. If the adult ladder flow needs to be reduced it too will be minimized.

**Dates of impacts/repairs** – February 22, 2016

**Length of time for repairs** – Less than 4 hours.

**Expected impacts on fish passage** – Minimal. With zero flow coming from the spillway tailrace (Spillbay 1 closed for ROV, Spillbay 18 closed for winter maintenance) there is low likelihood of drawing adult salmonids into the area. Waiting until after winter maintenance would mean an increase in adult fish counts and needing to close both spillway entrances with operating ladders to perform the work. With low fish numbers and no attraction water, passage delays and potential predation impacts are expected to be minimal.

Here are total adult salmonid dam passage numbers for February 22<sup>nd</sup> for the last 10 years:

2005--2

2006--11

2007--23

2008--5

2009—2

2010—10

2011—6

2012—110

2013—32  
2014—0  
2015--33

**Comments from agencies**

**Final results – Approved at the 2/11/16 FPOM meeting.**

Please email or call with questions or concerns.

Thank you,

Ida

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