

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

COORDINATION TITLE- 17TDA02 AWS March Daytime Work

COORDINATION DATE- Jan 11, 2017

PROJECT- The Dalles Dam

RESPONSE DATE- Jan 12, 2017, comments accepted until January 25.

Description of the problem

Type of outage required – The AWS backup contract work recently encountered derelict crane beams buried where the 10’ valve room is to be located. The top portion of these beams were removed via jackhammer in November to allow access to the concrete drilling location. However much of these beams remains below grade and requires removal for construction of the 10’ valve room. Work has been approved for night only through March, previously coordinated through FPOM (ref 16TDA10). The unanticipated beams and recent weather conditions have created schedule setbacks challenging schedule milestones. Both USACE and contractors are responsible for maintaining the work schedule. Daytime work in March for the removal of the remainder of these beams and excavating the 10 valve vault room is being requested to meet schedule milestones. Amount of March daytime work is expected to be from 2 to 4 weeks. Work involves heavy equipment via excavation, concrete jackhammering and concrete saw cutting.

Impact on facility operation – Affect to AWS construction schedule.

Dates of impacts/repairs – Mar 1 – March 30, 2017

Length of time for repairs – 2 to 4 weeks

Expected impacts on fish passage –

Upstream migrants – Expected impacts unknown. Adult passage analysis from MOC 16TDA10; Adult Steelhead – Passage of steelhead during March of 2003–2007 and 2012 TDA-E showed variability in daily passage though the month. Fish passage averaged less than 100 fish per day and had an average monthly passage of 72 fish over the period. Adult Spring Chinook – Recent Spring Chinook passage data for the month of March at TDA is from 2003–2007 and 2012. From 2004–2007 and 2012 spring Chinook numbers passing TDA-E are similar and typically less than 20 fish per day. During March 2003, triple digit numbers of adult Chinook occurred by 3/14 and continued through the month when over 1000 chinook per day recorded on 3/30. Spring Chinook had an average monthly passage of 67 fish over the period. Both east and north ladders will be in FPP operating criteria during this time.

Jackhammer work was conducted on these beams in November, to clear work area. Observations were made at the count station during the work. Noise levels in the count station were very apparent. Eight steelhead and 4 Chinook were observed passing over a 3 hour period. Fish passage numbers and behavior seemed normal, with no obvious reaction to the noise levels emitted by the jackhammering.

Downstream migrants – No impact expected due to location of work.

Lamprey – No impacts expected. Lamprey passage normally does not occur during March.

Bull Trout – impacts to Bull Trout are expected to be similar to other upstream migrating

salmonids. Very few Bull Trout have been counted at TDA in the last 10 years. *“WDFW and COE 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 (CRM 143) and one in 2005 at the Bonneville Dam Smolt Monitoring Facility (CRM 144). Upstream of the dam, one bull trout was found at Cascade Locks (CRM 149), two at Drano Lake (CRM 162), two at the mouth of the Klickitat River (CRM 180.5), one in 2002 at the John Day Dam Smolt Monitoring Facility (CRM 215), and one sighting at Dog Creek Falls by a reputable WDFW creel sampler who observed 18-24” cuts or dollies working old redds below the splash pool over the course of two weeks. “*

Comments from agencies

Please email or call with questions or concerns.

Thank you,
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