

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

COORDINATION TITLE- *14TDA01 Navlock shoal removal*

COORDINATION DATE- 12/19/13

PROJECT- The Dalles Dam Downstream Lock Shoal Removal

RESPONSE DATE- 12/27/13

Description of the problem: A shoal has been identified downstream of the lower lock at The Dalles Dam. A contract survey identified an area of concern, showing shoaling above the 14' project. A government survey conducted on 14 November confirmed a small shoal at -10' in the channel (see attached drawing). Grab samples were taken of the material and showed it to be sand. We estimate the quantity at around 1,200 CY. It is our intention to move forward with dredging by contract to remove this shoal. A contract clamshell dredge will be used to remove the shoal.

This shoal is impacting towboat operators who use the locks regularly and cannot use the full channel for navigation.

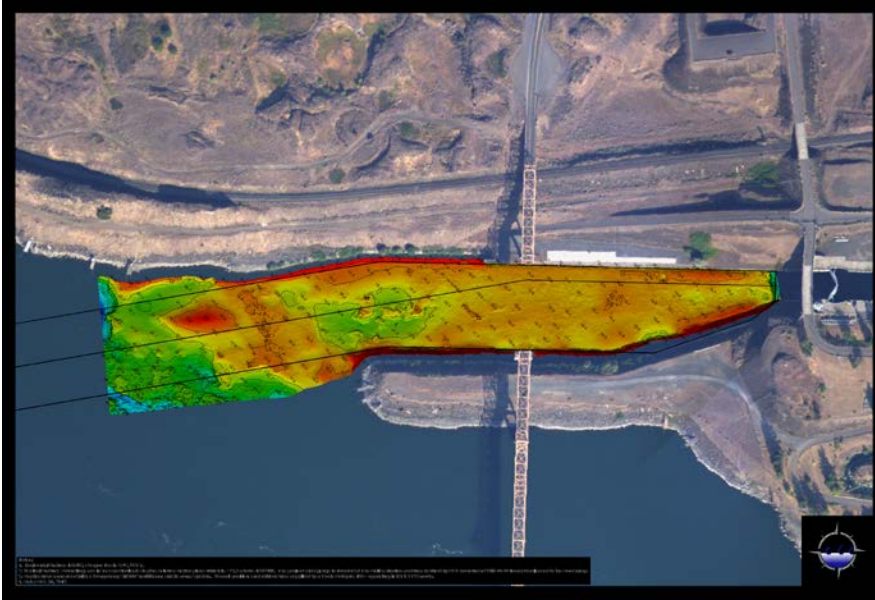
Type of outage required: A clamshell dredge would likely remove the shoal in a few hours, no outage would be required. The contractor may be able to work around the operation of the navigation lock schedule to move out of the way of traffic if needed.

Impact on facility operation: None, we can coordinate the contractor with the facility to ensure that dredging operations do not impact facility operation.

Dates of impacts/repairs: We are working to secure funding for this project. We would like to complete the action within the in water work window (before 28-Feb), preferably as soon as possible.

Length of time for repairs: If done using a clamshell dredge the equipment would be set up no longer than 24 hours. Actual dredging would be accomplished in 3-12 hours depending on the size of the clamshell.

Expected impacts on fish passage: Due to the work being confined to the navlock channel and being completed during the in-water work window, the impacts on salmonids (upstream or downstream migrants) and lamprey are expected to be minimal.



Comments from agencies

09 January 2014 FPOM meeting. 14TDA01 Navlock shoal removal. *Tentatively approved.* FPOM (Lorz will confirm no lamprey issues by COB 9 January 2014) didn't have issues with dragging the pile downstream for disposal. They are also ok with the work extending into March.

CRITFC- (via phone call on 10 January 2014)- We are unfamiliar with the drag method and have concerns about impacts to lamprey. We prefer a clamshell, mainly because we are more familiar with the impacts a clam shell may have.

Final results- The PDT decided on a clam shell rather than a drag beam. This work will continue to go forward with the PDT attempting to keep the work within the in-water work window.

Please email or call with questions or concerns.
Thank you,
Tammy

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