

OFFICIAL COORDINATION REQUEST FOR NON-ROUTINE OPERATIONS AND MAINTENANCE

COORDINATION TITLE- 17 LMN 02 Barge dock

COORDINATION DATE- 4-18-17

PROJECT- Lower Monumental

RESPONSE DATE- TMT meeting 4-19-17

Description of the problem

The fish barge dock floating mooring bits at the Juvenile Fish Facility (JFF) have are damaged to a point that they are not usable. The Guides on the upstream and middle floating mooring bits are damaged, and the downstream floating mooring bit is stuck in its lower position and cannot be raised. The repairs are necessary to be completed prior to the 1 May 2017 in order to begin transporting the juvenile fish from the JFF.

The Corps is currently putting working towards a sole source contract action to replace the floating mooring bits with a steel bracket assembly with fixed mooring cleats that will be bolted in the existing guide slots. The downstream most floating mooring bit is stuck in its lower position and will remain in place. The upstream two bits will be removed and floated over to the navigation lock for the Corps to remove. The new mooring cleats will be installed in the dry about 5 feet above the highest expected water level during the work window.

Our contracting office has been working with a vendor as the scope of work is being developed and there two different possibilities that they are considering to complete the work. If possible they will be using a floating work platform that they will either launch from a boat ramp 2 miles downstream (or just upstream of the dam and lock thru). This work platform would be secured to the existing structure. The second option would, if they could not remove the floating moorage bits with the corps provided 3 ton hoists they would need to use a larger barge with a heavier crane that would need to place their spuds to secure the barge prior to completing the work.

Ben Tice has indicated that "there should not be a problem putting spuds down in that location at this time of year. The spawning habitat quality in that areas is low so no redds are likely to be found there. Further fall Chinook fry should be out of any redds by now if any redds happened to be there. "

The contract is anticipated to be awarded this week, requiring the contractor to commence work within 10 calendar days and all work completed by 30 April 2017. The first barge is scheduled on 1 May 2017. I am unclear at this time if they used that if the larger barge and had to place the spuds if they would have to reposition the barge at all in order to reposition for the three different locations.

Type of outage required

Impact on facility operation (FPP deviations)= none
Impact on unit priority= none

Impact on forebay/tailwater operation= none

Impact on spill =none

Dates of impacts/repairs =4/17-5/1

Length of time for repairs ~ 2 weeks

Analysis of potential impacts to fish

1. 10-year average passage by run during the period of impact for adults and juvenile listed species, as appropriate for the proposed action and time of year;
Final 10% of adult steelhead run may be passing LMN during this time interval based on 10 yr average. Juvenile yearling Chinook with 25-75 percentile of the run are expected to be passing during this time interval. Juvenile steelhead will be passing as well with the bulk of run passing throughout this work period interval.
2. Statement about the current year's run (e.g., higher or lower than 10-year average); =35% below 10 yr average, late entering river due to high flows
3. Estimated exposure to impact by species and age class (i.e., number or percentage of run exposed to an impact by the action); = > 1% as juveniles are largely passing thru spill and those collected are released via bypass outfall downstream of the work area
4. Type of impact by species and age class (increased delay, exposure to predation, exposure to a route of higher injury/mortality rate, exposure to higher TDG, etc.); = exposure to vibration or noise associated with spudding to secure a work barge

Summary statement - expected impacts on:

Downstream migrants= none area is off channel along shore below powerhouse

Upstream migrants (including Bull Trout)= none expected as there are few adults in the river at this time this year

Lamprey

Comments from agencies

Final coordination results

After Action update (After action statement stating what the effect of the action was on listed species. This statement could simply state that the MOC analysis was correct and the action went as expected, or it could explain how the actual action changed the expected effect (e.g., you didn't need to close that AWS valve after all, so there was no impact of the action). List any actual mortality noted as a result of the action)