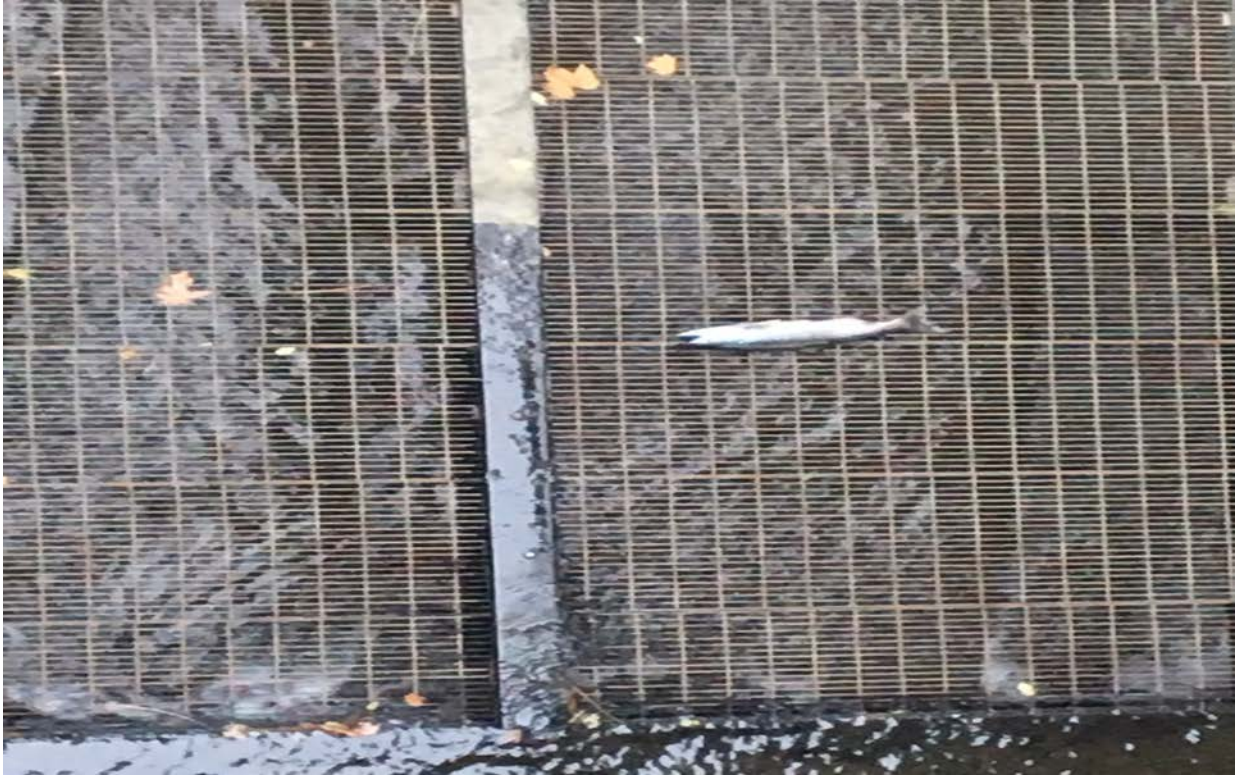


**MEMORANDUM FOR THE RECORD****SUBJECT: 18TDA13 MFR East Fishway Dewatering CH and PL Mortalities**

The east fish ladder was dewatered for annual maintenance on 03 December. The lower sections were dewatered below tail water on 06 December. Fourteen Salmonids, 47 Lamprey, 12 sturgeon, hundreds of shad/miscellaneous fish and one unhappy beaver were removed and released to river. After the initial fish salvage, a second walkthrough was done to recover anything missed, usually lamprey hiding in the rocky areas. Days following the dewatering, one Chinook and four lamprey mortalities were discovered. Two of the lamprey were on top of the grating in the lower ladder, which likely came out of the diffuser chambers. The chinook and other two lamprey were found on top of the grating at the south entrance. This area has been prone to fish mortality in the past. Multiple runs were made through it to remove all fish, but the water depth (~3.5') makes it difficult. Bulkhead leakage creates a problem for dewatering this area. Visibility is limited. Anchors were installed last year for a barricade to keep salmonids in the pool, which was thought to remedy the problem. No apparent gaps were seen in the barricade; it is assumed that the Chinook jumped over the top of the barricade. Preventative solutions will continue to be implemented until this problem is resolved.

- A. Species – Chinook and Lamprey
- B. Origin – unknown
- C. Length – Chinook was ~22"
- D. Marks and tags – None
- E. Marks and Injuries found on carcass – None
- F. Cause and Time of Death – Stranding
- G. Future and Preventative Measures – Determine better method for removal and/or containment



Sincerely,  
Bob Cordie  
The Dalles  
Project Fisheries