

MEMORANDUM FOR THE RECORD

SUBJECT: 21TDA11 East FL lamprey morts

The Dalles East fish ladder was dewatered on Dec 2, 2021. Numerous Salmonids, Shad and large Sturgeon were guided to tailwater or removed by bag and released to tailwater. No lamprey were observed during the dewatering procedure by any of the fish rescue staff. Flushing water was left at 1/4 open to provide flow to any missed fish, without creating attraction flow to the bottom of the fishway for all the fish that were pushed to tailwater. Dewatering the lower channels below tailwater was scheduled for the following week. Through the weekend, lamprey were observed atop the grating that likely came from under the grating during the night. Personnel access into this area during the weekend is not feasible due to safety clearance requirements and absence of Emergency Response Team. Upon observation, flushing water was increased to full for the remainder of the weekend to increase water level in these sections. On Tuesday December 7, 2021, 33 lamprey mortalities were removed and scanned for PIT tags, none were found.

- A. Species – Pacific Lamprey
- B. Origin – unknown
- C. Length – unknown
- D. Marks and tags – Fish were scanned for PIT tags but none were detected.
- E. Marks and Injuries found on carcass – none visible
- F. Cause and Time of Death – stranding atop grating, overnight 2 December.
- G. Future and Preventative Measures – Flushing water can remain full open overnight, at the risk of creating attraction to fish from tailwater. This will be added to the SOP. And it will still leave exposed grating due to ladder slope. It is likely these lamprey were in diffuser chambers prior to dewatering. This info will be provided to the lamprey improvements PDT for potential improvement options.

Sincerely,
Bob Cordie
Project Fisheries