

MEMORANDUM FOR THE RECORD

SUBJECT: 20TDA01 Fish Unit Trash rack Gaps

An ROV inspection of the powerhouse trashracks was conducted on Jan 28, 2020. Two vanes on trashrack F1-1 were found missing. These missing vanes increases the gap size from 7/8" to 2" in ~2'. The gap is approximately 20' from forebay surface. Small adult salmonids can feasibly enter this size gap.

It is determined a non-emergency repair for the following reasons:

- fish need to pass by an entire powerhouse of 6" intake gaps on main units
- attraction flow into a main unit is far greater than into a fish unit (13kcfs vs 2.5kcfs)
- unit 1 has sluiceway open resulting in 2.5K attraction
- studies revealed that the sluiceway passes 95% of adult size fish vs turbine units
- out of time this season to take fish units off line for a repair

- A. Species – small adult salmonids
- B. Origin – NA
- C. Length – short
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – NA
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – Repairs will be made on during the winter of 2020/21.



Sincerely,
The Dalles Project Fisheries