

MEMORANDUM FOR THE RECORD –**SUBJECT: 17TDA28 East Fish way dewater lamprey mortality**

The east fish ladder was dewatered on 1 December. The associated channels and entrances were dewatered below tail water on 3 December. Approximately 90 lamprey were removed from various locations throughout the fish way and released to river. Five lamprey were observed under the diffuser grating near the south fish way entrance in an area that could not be readily accessed. An approximate 2” gap was noticed at the upstream end of the diffuser chamber where it meets the wall. Maintenance notified for corrective action, which will likely involve steel plate to close gap.

Three lamprey were also observed pinched in the weir separating collection channel from transportation channel. Corrective methods have not been determined.

Update 12/20/17 - Two lamprey were discovered atop the south entrance grating and junction grating days following the dewatering. It could not be determined where they come from.

- A. Species – 8 Pacific Lamprey mortalities (*Entosphenus tridentatus*)
- B. Origin – unknown
- C. Length – unknown
- D. Marks and tags – unknown. None visible
- E. Marks and Injuries found on carcass – None
- F. Cause and Time of Death – stranding and pinching on Dec3
- G. Future and Preventative Measures – Close gap for access into diffuser chamber



The gap is located under dip net and not visible in this picture. Lamprey were observed under grating near diffuser valve wall stems.



One of two lamprey found on the grating days later.

Sincerely,
Bob Cordie
Project Fisheries