

MEMORANDUM FOR THE RECORD

SUBJECT: 18BON18 MFR - Cascades Island LPS Pacific Lamprey Mortalities

On 6 June 2018, project biologists were notified that the installation of new pumps for the climbing section of the Cascades Island lamprey passage system had been completed. The rest box drains were closed from top to bottom (exit to entrance) to flush any remaining lamprey. There were 9 Pacific Lamprey mortalities flushed from rest box 1 directly into the river. There was no opportunity to recover the mortalities for observation

- A. Species – 9 Pacific Lamprey (*Entosphenus tridentatus*).
- B. Origin – Unknown
- C. Length – Unknown
- D. Marks and tags – Unknown
- E. Marks and Injuries found on carcass – Unknown
- F. Cause and Time of Death – Believed to be residual mortalities due to two pump failure reported in MFR 18BON14.
- G. Future and Preventative Measures – As previously reported, we are investigating using a lead pump and a lag pump vs. two in continuous operation and alarm system to alert the control room.

Sincerely,
Project Fisheries