

MEMORANDUM FOR THE RECORD**SUBJECT: 18TDA08 - Lamprey mortalities at E2 & E3 weirs**

During a fishway inspection, adult lamprey were noticed impinged on the lift mechanisms of east entrance weirs. Weir E3 had 3 and weir E2 had 2 mortalities. This impingement was also observed last year during an annual ROV inspection in early August. Point of entry into the guide slot was not apparent. These weirs could not be pulled last winter due to the AWS construction activity. The plan is to pull these weirs next winter for the lamprey weir cap installation. The entire system will be closely inspected at that time.

- A. Species – Pacific Lamprey (*Entosphenus tridentatus*).
- B. Origin – Unknown.
- C. Length – Unknown.
- D. Marks and tags – Unknown.
- E. Marks and Injuries found on carcass – See photo
- F. Cause and Time of Death – The lamprey were pinched between the weir and guide.
- G. Future and Preventative Measures – The project will be installing the weir caps this winter (2018/19).



E3

Sincerely,
Project Fisheries