

MEMORANDUM FOR THE RECORD

SUBJECT: 16TDA07 MFR East Count Station Crowder Lamprey Mortality

Lamprey frequently access the area under and behind the east count station crowder during passage. A lamprey mortality was observed through the count station window stuck under the downstream corner of the crowder. Occasional mortalities have been observed here in the past. Efforts were made to change operation procedure of the crowder assuming that lamprey were being pinched against the wall on the upstream edge, however it appears this may not be solution. Correspondence with Bonneville has shown they have a similar problem. Biologists will work together on solution.

- A. Species – Adult Pacific Lamprey (*Entosphenus tridentatus*)
- B. Origin – Unknown
- C. Length – Unknown
- D. Marks and tags – None
- E. Marks and Injuries found on carcass – None
- F. Cause and Time of Death – Unknown
- G. Future and Preventative Measures – Possible crowder seal modification. Investigation into possible solutions will continue, including consultation with lamprey improvements Product Development Team. Potential modifications could include bristle type exclusion seal to prevent lamprey from accessing this area.

Sincerely,
Project Fisheries