

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 16BON21 MFR** – Lamprey mortality at Cascade Island LPS.

On 6 June, Project Biologists together with FFU Biologists discovered that one of the two water pumps at the outfall of the CI LPS had stopped working. Several Lamprey hung from the end of the outfall pipe. The biologists started up the pump and flushed extra water through the pipe, pushing the Lamprey into the forebay. One of the Lamprey seemed to be a mortality, no pictures were taken.

Information collected is provided below:

- A. Species – Pacific Lamprey (*Entosphenus tridentatus*).
- B. Origin – Unknown
- C. Length – Unknown
- D. Marks and tags – Not checked
- E. Marks and Injuries found on carcass – Unknown
- F. Cause and Time of Death – Unknown
- G. Future and Preventative Measures – Several measures are being taken to prevent recurrence. Electricians are working to fix any “tripping” issues with the pumps, an auto-start feature is being explored, a low-flow alarm is being explored, and a back-up pump may be installed for redundancy.

Sincerely,  
Bonneville Fisheries