

14 July 2016

MEMORANDUM FOR THE RECORD

SUBJECT: 16BON72 MFR – Sockeye Salmon and Pacific Lamprey mortalities at Bonneville's WA shore Auxiliary Water System (AWS).

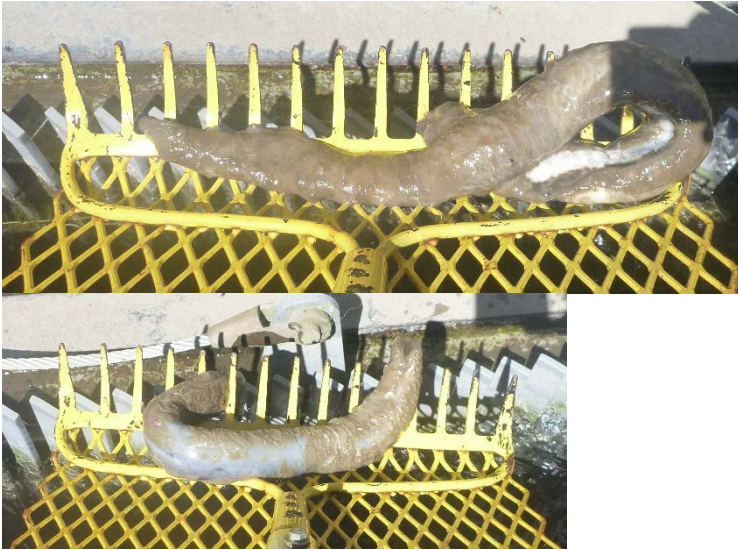
On 13 July 2016, Project Fisheries biologists recovered (3) Sockeye Salmon and (2) Pacific Lamprey mortalities from the upstream side of the WA Shore AWS picket leads nearest the fish counting window. It's unknown how the fish entered the area; above-water the pickets show no gaps and they have not been moved since originally seated. The picket leads have a metal bar across the bottom and thus splaying of the pickets at the bottom is unlikely. They are currently seated 1.5 inches above the ladder floor for lamprey to enter the AWS LPS. Two fish were photographed, one was so far decomposed recovery was difficult. All fish were immediately returned to the river.

Information collected is provided below:

- A. Species – Sockeye Salmon (*Oncorhynchus nerka*).
- 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 – Unknown.
- G. Future and Preventative Measures – Project Fisheries has thoroughly investigated the WA Shore picket leads above and below the water surface and found no areas to cause alarm. Ongoing investigations are in progress. The next chance to dewater this area may be December 2016 when dewatering for the winter maintenance work period.



- A. Species – Pacific Lamprey (*Entosphenus tridentatus*).
- B. Origin – Unknown.
- C. Length – Unknown.
- D. Marks and Tags – None observed.
- E. Marks and injuries found on carcass – Unknown.
- F. Cause and Time of Death – Unknown.
- G. Future and Preventative Measures – Project Fisheries has thoroughly investigated the WA Shore picket leads above and below the water surface and found no areas to cause alarm. Ongoing investigations are in progress. The next chance to dewater this area may be December 2016 when dewatering for the winter maintenance work period.



**Sincerely,
Bonneville Fisheries**