

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 14BON38 MFR** – Pacific Lamprey and Sockeye Salmon mortalities at Bonneville's Adult Fish Facility (AFF).

On 18 July CRITFC and later University of Idaho personnel called and informed project biologists that numerous mortalities had been observed in the AFF. CRITFC call to report that a sampled Sockeye Salmon had died while recovering in the brail pool. Later University of Idaho personnel called to report six Pacific Lamprey and three Sockeye Salmon that were found on the valve 15 trash rack. While U of I was not sampling due to high temperature restrictions, they cleaned the trash rack in lieu of CRITFC performing that task. The pictures of three Pacific Lamprey were accidentally deleted while writing this MFR. One Pacific Lamprey was too decomposed to measure or keep but the rest of the fish were kept for bio-analysis by USFWS in conjunction with the USGS and CRITFC.

Information collected is provided below:

- A. Species – Pacific Lamprey (*Entosphenus tridentatus*).
  - B. Origin – Unknown.
  - C. Length – 62, 66, 68, 68, 72, and an unknown length.
  - F. Marks and tags – No marks and/or tags were observed.
  - G. Marks and Injuries found on carcass – No marks and/or injuries were found on the carcasses.
  - H. Cause and Time of Death – Unknown.
  - I. Future and Preventative Measures – Unknown.
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- A. Species – Sockeye Salmon (*Oncorhynchus nerka*)
  - B. Origin – Unknown.
  - C. Length – (#1) 51.5 cm, (#2) 41.5 cm, (#3) 42.5 cm, (#4) 39cm.
  - D. Marks and tags – Adipose present on all fish. (#1) PIT: 3DD.00773AF304, (#2) PIT: 3DD.00773AE365.
  - E. Marks and Injuries found on carcass – Descaling was present to different degrees on all fish. (See attached photos).
  - F. Cause and Time of Death – (#1) Died while recovering in the brail pool after being sampled. The rest are unknown.
  - G. Future and Preventative Measures – Unknown.



**FISH #2**



**FISH #3**



**FISH #4**





Sincerely,  
Bonneville Fisheries