

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 15BON22 MFR** – Pacific Lamprey, Sockeye Salmon, and Chinook Salmon Smolt mortalities at Bonneville's Adult Fish Facility (AFF).

On 23 June 2015, a CRITFC researcher contacted Project Fisheries to report (7) Pacific Lamprey, & (1) Chinook Salmon Smolt mortalities that were recovered from the valve 15 trashrack in the AFF after sampling for the day. While investigating the reported mortalities, Project Fisheries observed a Sockeye Salmon that CRITFC researchers had sampled that day struggling in the brail pool. This fish had no signs of injury and looked otherwise healthy. The fish was placed in the recovery tank but was unsuccessful to fully revive. None of these fish were saved for analysis by USFWS and were returned via valve 15 discharge.

Information collected is provided below:

- A. Species – Pacific Lamprey (*Entosphenus tridentatus*).
  - B. Origin – Unknown.
  - C. Length – 62, 64, 66, 66, 66, 67, 74 cm.
  - D. Marks and tags – No marks or tags were observed.
  - E. Marks and Injuries found on carcass – No visible marks or injuries were observed.
  - F. Cause and Time of Death – Unknown.
  - G. Future and Preventative Measures – None.
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- A. Species – Sockeye Salmon (*Oncorhynchus nerka*).
  - B. Origin – Unknown.
  - C. Length – 55 cm.
  - D. Marks and tags – PIT: 3DD.00775E1C73.
  - E. Marks and Injuries found on carcass – No visible marks or injuries.
  - F. Cause and Time of Death – Post handling mortality.
  - G. Future and Preventative Measures – CRITFC will continue to use the recovery tank and adhere to FPP appendix G. Fish with visible signs of stress will be monitored in the recovery tank before being placed in the brail pool.
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- A. Species – Chinook Salmon Smolt (*Oncorhynchus tshawytscha*).
  - B. Origin – Hatchery.
  - C. Length – 23 cm.
  - D. Marks and tags – adipose clipped.
  - E. Marks and Injuries found on carcass – No visible marks or injuries.
  - F. Cause and Time of Death – Unknown.
  - G. Future and Preventative Measures – None.



Sincerely,  
Bonneville Fisheries