

MEMORANDUM FOR THE RECORD

SUBJECT: 17BON34 MFR – Numerous Pacific Lamprey mortalities at Bonneville Lamprey Passage Structures (LPS).

On 04 July, Fisheries Field Unit personnel informed Project Fisheries of numerous Pacific Lamprey mortalities throughout Bonneville's Lamprey Passage Structures (LPSs). These fish seemed to have died due to the rigors of migration in fresh water. Four were returned to the river, one was saved for future analysis by USFWS Lower Columbia Fish Health Center. All fish were scanned for PIT tags; none were found. No other markings and/or obvious signs of death were observed.

Information collected is provided below:

- A. Species – Pacific Lamprey (*Entosphenus tridentatus*).
- B. Origin – Unknown.
- C. Length(s) – **See below.**
- D. Marks and tags – No marks and/or tags observed.
- E. Marks and Injuries found on carcass – No marks and/or injuries were observed.
- F. Cause and Time of Death – Unknown.
- G. Future and Preventative Measures – None.

Mortality #1 - BI LPS – RB1, TL 58.5 cm.

Mortality #2 – BI LPS – RB2, TL 68.9 cm.

Mortality #3 – BI LPS – RB2, TL 62 cm (saved for analysis).

Mortality #4 - WA-UMTJ LPS (new) - RB2, TL 72.4 cm.

Mortality #5 - WA-UMTJ LPS (new) - RB2, TL 63 cm.



Sincerely,
Bonneville Fisheries