

MEMORANDUM FOR THE RECORD**SUBJECT: 22BON052 MFR AFF Lamprey and smolt Mortalities (9)**

On the morning of 19 July, Columbia River Inter-Tribal Fish Commission (CRITFC) notified Project Fisheries of nine fish mortalities discovered on the valve 15 trash rack in the Adult Fish Facility (AFF). The mortalities were composed of 1 salmon smolt (Photo 1) and 8 adult Pacific Lampreys (Photos 2-5). The fish were inspected, scanned, measured, and returned to the river. See photo and mortalities details below.

Smolt Mortality (Photo 1)

- A. Species – *Oncorhynchus* smolt
- B. Origin – NA
- C. Length – ~24 cm
- D. Marks and tags – Clipped adipose fin, no PIT detected
- E. Marks and Injuries found on carcass – NA
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – NA



Photo 1: Smolt mortality.

Pacific Lamprey Mortalities (Photos 2-5)

Morts 1 & 2 (Photo 2)

- A. Species – *Entosphenus Tridentatus*
- B. Origin – NA
- C. Length – Mort 1: ~67 cm. Mort 2: ~62 cm
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – NA, very decayed.
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – NA



Photo 2: Pacific Lamprey Mortalities 1 & 2

Morts 3 & 4 (Photo 3)

- A. Species – *Entosphenus Tridentatus*
- B. Origin – NA
- C. Length – Mort 3: ~62 cm, Mort 4: ~65
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – Mort 3: NA, Mort 4: large section of dorsal fin missing.
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – NA



Photo 3: Pacific Lamprey Mortalities 3 & 4.

Morts 5 & 6 (Photo 4)

- A. Species – *Entosphenus Tridentatus*
- B. Origin – NA
- C. Length – Mort 5: ~65 cm, Mort 6: 53 cm however, *caudal region is missing*
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – Mort 5: NA, Mort 6: large section of caudal region missing.
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – NA



Photo 4: Pacific Lamprey Mortalities 5 & 6.

Morts 7 & 8 (Photo 5)

- A. Species – *Entosphenus Tridentatus*
- B. Origin – NA
- C. Length – Mort 7: ~62 cm, Mort 8: ~69 cm
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – Mort 7: NA, Mort 8: NA.
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – NA



Photo 5: Pacific Lamprey Mortalities 7 & 8.

Sincerely,
Bonneville Project Fisheries