

MEMORANDUM FOR THE RECORD**SUBJECT: 22BON042 MFR U17 Tail Log PL Ammocoetes Morts**

On 12 and 13 July, Project Fisheries conducted fish salvage out of the Unit 17 tail logs. Due to the recent high flows and high tailwater elevations, there was a large quantity of sediment buildup on the tail logs which caused the tail log removal and fish salvage to occur over two days. One tail log was removed on 12 July and the remaining five tail logs were removed on 13 July. A total of 61 ammocoetes were removed on 13 July and were released downstream. An additional 15 ammocoete mortalities were discovered when the roadway deck plates were lifted off the roadway to cover the tail log access openings. These mortalities likely came out of the large piles of sediment from the tail logs and crawled under the deck plate as reprieve from the sun. Unfortunately, these ammocoetes died due to desiccation and being crushed on roadway. In the future, Fisheries personnel will schedule frequent visits to the tail log equipment after salvage to ensure there are no fish stranded. Fisheries will also brainstorm better silt sorting techniques.

15 ammocoetes mortalities

- A. Species – Pacific Lamprey (*Entosphenus tridentatus*)
- B. Origin – NA
- C. Length – ammocoete stage with lengths between 50 – 150 mm
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – Signs of desiccation and being crushed
- F. Cause and Time of Death – Most morts were caused by desiccation between 13-14 July. Several morts were crushed due to being on roadway.
- G. Future and Preventative Measures – schedule frequent visits to the tail log equipment after salvage to ensure there are no fish stranded.

See three photos attached on pages 2-4.



Photo 1 of ammocoete mortalities discovered from under deck plate. Please note this photo is only a portion of the 15 mortalities discovered.



Photo 2 of ammocoete mortalities discovered from under deck plate. Please note this photo is only a portion of the 15 mortalities discovered



Photo of deck plate on roadway.

Sincerely,
Bonneville Project Fisheries