

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 18BON16 MFR** – Mortalities in PH1 tail log slots

On Tuesday, 5 June, 2018, project biologists observed the removal of PH1 unit 4 tail logs and found 8 adult Chinook and 1 unknown salmonid mortalities in the tail log gate well slots. Eight were found to have sank and settled on top of the upper tail log, one was found to be floating. Unit 4 had been OOS since 02 April.

- A. Species – 8 Chinook (*Oncorhynchus tshawytscha*), 1 unidentified salmonid
- B. Origin – Tailwater
- C. Length – N/A
- D. Marks and tags – N/A
- E. Marks and Injuries found on carcass – N/A
- F. Cause and Time of Death – Unknown.
- G. Future and Preventative Measures – The addition of light blockers is expected to reduce entry and residence time in tail log gateway slots. Light blockers have already been installed on several slots (not including unit 4) and are being monitored for effectiveness. If determined to be effective, light blockers will be installed on all tail log gateway slots, including unit 4.

Sincerely,  
Project Fisheries



