

**MEMORANDUM FOR THE RECORD** 14-IHR-07 Fish mortalities found at fish ladders

**SUBJECT:** Three Chinook mortalities found on July 21, 2014, at south and north fish ladders.

- A. Species – *Oncorhynchus tshawytscha*.
- B. Origin – unknown.
- C. Length – about 5”, 9”, and 19”
- D. Marks and tags – all clipped
- E. Marks and injuries found on carcass – The 5” fish may have had several puncture wounds. The 19” fish may have had a wound on one side posterior to the head. Decomposition was occurring on the fish at the possible wound sites.
- F. Location – The two smaller fish were on the ground, about 5’ south of the middle of the south fish ladder. The larger fish was on the walkway grating above and between the picket leads at the north ladder, next to the count slot.
- G. Cause and time of death – The fish were dead for several days. The two smaller fish may have been dropped by an osprey seen in the area. The larger fish may have got caught above the window cleaning brush as the brush rose up.
- H. Future and preventative measures – Will monitor the fish ladder for jumping fish and bird activity and install additional netting as necessary. Will look at the area above the count slot to assess if any modifications should be made to prevent fish from stranding. The incidence of fish stranding above the count slot and picketed lead area has been rare.
- I. Pictures included – none.

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