

**MEMORANDUM FOR THE RECORD 21-IH-14**

**SUBJECT:** Jack chinook mortality found near the juvenile fish channel

- A. Species – *Oncorhynchus tshawytscha*.
- B. Origin – Unknown.
- C. Length – 16”.
- D. Marks and tags – Adipose clip
- E. Marks and injuries found on carcass – None.
- F. Location – On the concrete ledge of the east wall of the juvenile fish channel, in the area across from 6C orifices (see photos below).
  
- G. Cause and time of death – The Chinook was found on September 16. Judging by how dried up the fish was, it must have been dead for several days or more. The fish is presumed to have jumped out of the channel and gotten stranded on the ledge.
  
- H. Future and preventative measures – The ledge that runs along the east side of the channel is about 3’ wide and 3’ above the channel. Fish occasionally jump against the orifice flow, where there is netting installed on the hand railing to prevent fish from getting stranded on the walkway grating. Fish rarely jump in the other direction and get stranded on the concrete ledge. The last time that happened was about 10 years ago. There is no jump-barrier to prevent fish from getting stranded on the ledge. A jump barrier cannot safely be installed while the channel is in operation, but could possibly be anchored into the concrete during the winter maintenance period.
  
- I. Pictures included – Yes. The first photo shows the dead fish and the area where orifice 6CN water jet would be shooting out of the gap at the end of the left wall. (Unit 6 orifices were closed at the time this photo was taken to accommodate STS inspections).

Ken Fone  
Project Fishery Biologist  
Ice Harbor Dam  
509-544-3137  
[kenneth.r.fone@usace.army.mil](mailto:kenneth.r.fone@usace.army.mil)

