

MEMORANDUM FOR THE RECORD 15-IH-009

SUBJECT: A jack Chinook mortality found on July 1 and an adult Chinook found on July 9 near south fish ladder, and juvenile steelhead found near juvenile collection channel on July 8.

- A. Species – *Oncorhynchus tshawytscha* and *Oncorhynchus mykiss*.
- B. Origin – unknown.
- C. Length – Presumed jack Chinook length is unknown due to body deterioration; adult Chinook length: 31.5”; and juvenile steelhead length: 11.5”.
- D. Marks and tags – all clipped.
- E. Marks and injuries found on carcass – The jack Chinook was decomposed, with only the skin, fin, and head left, with the head separated from the body. The 31.5” Chinook had a severe head laceration. The juvenile steelhead had a caudal fin injury and descaling.
- F. Location – The two Chinook were on the ground at the base of the stairs to the south picketed leads. The larger fish was on the walkway grating above the juvenile channel, near orifice 6CS.
- G. Cause and time of death – The two Chinook probably jumped out of a small gap in the bottom of the jump-netting attach to the top of the fence at the upstream overflow weir section of the south fish ladder. The head injuries were caused by the impact of hitting the ground. The jack probably jumped out during the weekend before, and was not discovered until July 1. There was uncertainty how it got there and speculation that it actually died in the fish ladder and was removed. However, the second Chinook (probably jumped out the night before it was found) at this location indicates they were both jumpers. The steelhead probably jumped (some time in the middle of the day that it was found) through a very small gap in the bottom of the jump-netting that is attached to the handrail and grating. Its injuries were probably caused by contact with the grating.
- H. Future and preventative measures – After these incidents, additional cable ties were added to the bottom of the netting in both locations to eliminate gaps where fish could fit through. These locations will be monitored to affirm that the coverage of the netting is sufficient to prevent future jumpers.
- I. Pictures included – yes, see below.

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Fishery Biologist



31.5" Chinook



Juvenile steelhead