

MEMORANDUM FOR THE RECORD - 24 IHR 12

SUBJECT: Adult steelhead mortality found on September 11, 2024, at approximately 0800 hours, adjacent to the juvenile fish collection channel.

- A. Species – *Oncorhynchus mykiss*.
- B. Origin – unknown.
- C. Length – approximately 26”
- D. Marks and tags – none, clipped.
- E. Marks and injuries found on carcass – scrapes and marks from the grating.
- F. Location – The fish was found on the walkway grating of the juvenile fish collection channel, above and a few feet to the south of orifice 6CS.
- G. Cause and time of death – The fish had probably jumped out of the channel the day before, judging by the condition of the carcass. The existing jump-netting extends 11-12’ above the water surface. There is plastic mesh attached all along the hand rail, from the jump netting down to the toe board. The bottom flap of the plastic mesh was loose near the orifice jet, leaving a small gap that the fish may have jumped through if it jumped at a certain angle.
- H. Future and preventative measures – that section of plastic mesh was replaced with two layers of new plastic mesh in early 2021. A monthly inspection of the jump barrier occurred on September 9, 2024, and there were no significant holes or gaps found. However, the unsecured flap of the mesh was apparently loose enough for the fish to get through. The metal jump-barrier plate above each orifice jet limits areas for attachment of the plastic mesh. Later in the day on September 11, the flap of the mesh was fastened to the toe board at the edge of the jump-barrier plate. Plans are underway to replace all of the plastic mesh with sturdier rope-netting, which has already been purchased.
- I. Pictures – .

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