

**MEMORANDUM FOR THE RECORD****SUBJECT: 23JDA20 Chinook Smolt Mortalities Found on Intake Deck Near Spillbay 20**

On Friday 19 May 2023, at approximately 0800, JDA fisheries personnel noticed three clipped Chinook morts on the tailrace deck near spillbay 20. The tailrace at the time was ~165.8' and the project was spilling at ~50% (205 kcfs). These conditions created water surges that splashed onto the deck, and this is presumably what stranded the fish.

On Saturday 20 May 2023, at approximately 0800 JDA fisheries personnel noticed 3 clipped yearling Chinook in the same location and under the same circumstances as described above.

On Monday 22 May 2023, at approximately 0900 JDA fisheries personnel noticed 2 unclipped Chinook in the same location and under the same circumstances as described above. All fish were scanned for PIT tags, and none were found.

- A. Species – Chinook
- B. Origin – Clipped and unclipped
- C. Length –
- D. Marks and tags – none
- E. Marks and Injuries found on carcass – Some descaling
- F. Cause and Time of Death – Asphyxiation from stranding
- G. Future and Preventative Measures – There were issues with this in the past (17JDA04 for example) and mesh was installed below the railing which seems to help. The issue is an old (unused) entrance weir located in spillbay 20, to actually fix the issue this area would need to be made flush with the rest of the wall.

Sincerely,  
JDA Project Fisheries