

MEMORANDUM FOR THE RECORD – 17 LGS MFR Juvenile Salmonid Loss

SUBJECT: On May 3 at 0700 hours, plugged orifices in gatwell slot 3B were discovered. Both orifices were immediately and successfully back flushed to remove debris. A total of 2,240 juvenile salmonid mortalities were collected on the separator due to this incident. Unit 3 was taken out of service (OOS) for trash rack raking on May 5. The vertical barrier screens (VBS) in all 3 slots and the orifice from gatwell side inspections with an underwater camera were conducted. A small log was found in orifice 3B1 and removed by the maintenance crew.

Clipped Yearling Chinook	Unclipped Yearling Chinook	Unclipped Subyearling Chinook	Clipped Steelhead	Unclipped Steelhead	Unclipped Coho	Unclipped Sockeye	Total
1,652	534	1	26	15	3	9	2,240

- A. Species – Chinook salmon *Oncorhynchus tshawytscha*, Steelhead *Oncorhynchus mykiss*, Coho salmon *Oncorhynchus kisutch* and Sockeye salmon *Oncorhynchus nerka*.
- B. Origin – Hatchery and Wild
- C. Length – N/A
- D. Marks and tags – All fish were examined for PIT tags and coded wire tags (CWT) by ODFW and Anchor SMP employees. Of the unclipped yearling Chinook salmon, 77 were tagged with CWT. None of the 15 unclipped steelhead were tagged with CWTs. Of the total fish collected, 44 yearling Chinook and 1 Coho salmon were PIT tagged.
- E. Marks and Injuries found on carcasses – Descaling
- F. Cause and Time of Death – Orifice 3B1 and 3B2 were plugged with debris.
- G. Future and Preventative Measures – Units 3 trash racks were raked, VBS and gatwell sides of the orifices were inspected by underwater camera, and a log was removed from the gatwell side of 3B1. Project staff will monitor orifices every 2 hours to ensure orifices remain free of debris to provide safe fish passage until further notice. Additionally, Little Goose will be receiving a trash shear boom the winter of 2017-2018 which will help alleviate debris management issues in the future.
- H. Pictures – Log on the gatwell side of orifice 3B1.



I. Comments from the agencies - None

Sincerely,
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