

MEMORANDUM FOR THE RECORD 17 LMN 06 MFR Emergency Debris Spill

SUBJECT: Emergency Debris Spill.

Narrative: The forebay debris at Lower Monumental has been increasing tremendously over the past few weeks. The high winds overnight on 12 June shuffled most of this debris into a mat just upstream of the spillway. In order to prevent the debris from circling back out into the powerhouse forebay when winds subside, an emergency debris spill was initiated at 1052 hours on June 13, 2017.

Location: Spill bays 1 through 7.

Method: The project staff used spill bay 5 to flush the debris. As 5 was being opened, spill bays 1, 2, 3, 6, and 7 were closed. Spill bay 5 was opened 36 stops for a short time until all of the debris was drawn to the area and flushed. Spill bay 5 was then closed and adjacent spill bays re-opened until normal uniform spill pattern was re-established at 1155 hours.

Time Line - Duration:

The project staff opened spill bay 5 while simultaneously closing adjacent spill bays. Spill bay 5 was opened approximately 36 feet. The operation began at 1052 hours and concluded at 1155 hours on June 13.

- A. Species:** There were no known fish losses. Subyearling Chinook are the primary species of juvenile salmonids in the system at this time. Yearling Chinook, steelhead, sockeye and coho smolts could also be present in low numbers. The juvenile bypass facilities were unaffected by this event. The flow through the RSW was also unaffected by this debris spill. Adult salmonid passage may have been briefly affected along the south shore. However, the majority of the fish are currently passing over the north shore ladder which should not have been affected during the spill.
- B. Origin:** NA
- C. Length:** NA
- D. Marks and Tags:** NA
- E. Marks and Injuries Found on the Carcasses:** NA
- F. Future and Preventative Measures:** River debris loads are uncontrollable and the accumulation points are unpredictable. Removing the debris while the mat is behind the spill bays minimizes potential impacts to juvenile fish passage by keeping the debris off of the trash racks and out of the gatewells and orifices.
- G. Photos Taken:** None.

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