

MEMORANDUM FOR THE RECORD

SUBJECT: 13BON91 MFR Updated– Steelhead and Chinook jack mortalities at Bonneville’s Juvenile Monitoring Facility (JMF).

On 22 October 2013, a NWP Corps Biologist contacted Project Fisheries to report four salmonid mortalities found at the upper switchgate at the Bonneville JMF. These fish likely died when the DSM was dewatered for the season. Access to the fish was not possible as the location requires special entry requirements under the Hazardous Energy Control Program (HECP).

On 29 October 2013, PSMFC and NWP biologists retrieved the morts with a pike pole. They were able to take better photos and gather more information on each fish.

- A. Species – Three steelhead (*Oncorhynchus mykiss*) and one Chinook jack (*O. tshawytscha*).
- B. Origin – One steelhead is clipped; two steelhead and one Chinook jack are unclipped.
- C. Length – Unclipped STHD- 21””; unclipped STHD- 28.5””; clipped STHD- 22””; unclipped CH jack- 18””
- D. Marks and tags – fish were not scanned. No marks (other than AD clip) were noticed.
- E. Cause and Time of Death – Cause of death appears to be lack of water. Time is estimated to be between 12 – 14 October.
- F. Future and Preventative Measures – Project Fisheries has investigated the duration and timing of flushing following the DSM dewatering. Timing was appropriate but the 8 hours of flush time was inadequate. All future DSM flush water will run for a minimum of 48 hours.
- G. Photos –



Photo 1. 21” unclipped steelhead.



Photo 3. 22” clipped steelhead.



Photo 2. 28.5” unclipped steelhead.



Photo 4. 18” unclipped Chinook jack.

Sincerely,
Bonneville Fisheries