

MEMORANDUM FOR THE RECORD

SUBJECT: 21 TDA 05 MFR East Ladder Fish Unit Outage

There have been breaker ground faults discovered in newly installed fish unit bus system, east fish ladder. Fish Unit 2 was forced out April 5th, expected to return April 29th. AWS backup system has been in operation with Fish Unit 1 to maintain fishway entrance criteria conditions.

Concerns about a similar condition on Fish Unit 1 required an immediate inspection. Fish Unit 1 was taken out of service April 20th at 0400 for inspection. Several adjustments were made to wiring to reduce risk. Fish Unit 1 was returned at 0650. Per project electrical staff, this likely saved us from another fish unit failure.

Fishway entrances with new automation adjusted weirs shallower to achieve better differential with only AWS backup system flow during the total fish unit outage. Presently east fishway is returned to entrance criteria with Fish Unit 2 and AWS to achieve full entrance criteria per the Fish Passage Plan.

- A. Species – Steelhead and spring chinook
- B. Origin – NA
- C. Length – NA
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – NA
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – Continue fish unit operation monitoring

Sincerely,
Bob Cordie
Project Fisheries