

MEMORANDUM FOR THE RECORD 22TDA06**SUBJECT: *East fishladder exit weir 155 failure***

East ladder exit weir 155 failed. This is 1 of 4 weirs that are used for adjusting flow through the range of forebay elevations. The cause of failure is being investigated. The weir raised through its upper limits, pulling the weir attachment onto the drum. The hoist cables broke causing the weir to fall to the seated position. Its gearbox also failed resulting in approximately 1/2 gallon of gear oil to enter the fishway which was not recoverable. The weir is now stuck in the seated position. Criteria operation per Fish Passage Plan cannot be maintained at forebay less than 157.5'. A forebay restriction has been requested. A plan for repair will be made, but it is likely 155 will remain in this position through the remainder of the passage season.

- A. Species –All salmonids passage
- 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 –Determine cause of failure and repair when possible.
This will take priority over other planned fish improvements.



Sincerely,
Project Fisheries