

**FISH PASSAGE O&M COORDINATION TEAM**  
**Adult and Juvenile Fish Facilities Status Report**  
**U.S. Army Corps of Engineers**  
**Walla Walla District**  
**December 16, 2004**

***Construction***

McNary - Repair of AWS Pumps 2 and 3: Two of the three south shore AWS pumps have experienced bearing failure. In 2003, pump 3 was found to have significant damage to the guide bearings and pump shaft. Major rehabilitation of the pump is needed and it will not likely be available for service until 2006. In July 2004, pump 2 was found to have bearing damage as well. An emergency repair contract was executed and the pump was placed back in service in November 2004. During acceptance testing of the repaired bearings, unacceptable levels of lateral movement of the shaft were documented. Pump 2 was removed from service and the Corps is investigating the problem. The pump has recently been operated intermittently during day shift. It is anticipated that pumps 1 and 2 will be available for the 2005 fish passage season.

McNary – Rehabilitation of Spillway Gates: Work continues on rehabbing four spillway gates and is scheduled for completion by February 2005. This will allow for the use of all 22 spillway bays.

Ice Harbor – Removable Spillway Weir: On-site work over the past month has included drilling anchor points, repairing cracked concrete, sawing off portions of the pier noses, and installing framework for the control building. The RSW itself is to be delivered to Ice Harbor by February 20, although the contractor is presently a little behind schedule.

Ice Harbor – Full-Flow PIT Tag Detector: A new detector will be installed on the juvenile fish bypass pipe this winter.

Lower Monumental – Fish Ladder Jump Barriers: The existing jump barriers are made of netting that sags and deteriorates in the sun (see photo). Project personnel want to replace the netting with expanded aluminum plate. Details were sent via email to all FPOM members on December 10. What is FPOM's recommendation?

Lower Monumental – Fish Counting Station: The existing station in the north shore ladder will be reconstructed this winter, requiring a ladder outage for most of January and February. The south shore ladder will be OOS for about 13 days in mid-January.

Lower Monumental – Spillway Parapet Walls: New parapet walls will be constructed this winter on both sides of the spillway. This will prevent water and fish from splashing out of the river and allow for normal spillway patterns (i.e. no 3-stop limits on bays 1 and 8).

Lower Monumental – Barge Loading Dewaterer: The existing dewatering unit (flat bar screen on the floor) will be replaced with a half-pipe dewatering unit this winter. Water flows through this section will be more stable and fish-friendly.

***Operations and Maintenance - Juvenile Fish Facilities***

All facilities have been in primary bypass since the transport season ended. All will be dewatered for winter maintenance over the next week or so, beginning today.

***Operations and Maintenance - Adult Fish Facilities***

All adult fishways are in operation. Aside from the problems with AWS pumps 2 and 3 at McNary, mentioned above, there are no other items of significance to report.

***Research***

Operation of Adult Fish Trap at Lower Granite: The trap was shut down on November 23.

Prepared by: Rex Baxter

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Fish ladder jump screens at Lower Monumental:

[Photo has been deleted to transmit the meeting minutes and handouts via email. -- Rex B.]