

FISH PASSAGE O&M COORDINATION TEAM
Adult and Juvenile Fish Facilities Status Report
U.S. Army Corps of Engineers
Walla Walla District
November 13, 2007

Construction

McNary:

- Turbine units 13 and 14 remain out of service for transformer replacement.
- Turbine unit 1 remains out of service for 9 year overhaul.
- Turbine units 7 and 8 out of service Oct 29 – for Doble tests and transformer maintenance.

Ice Harbor:

- Turbine unit 6 out of service due to high gas readings in transformer.
- Turbine unit 2 out of service for blade welding.

Lower Monumental:

- Turbine units 1&2 out of service for fire suppression system installation.
- Turbine unit 5 taken out of service Oct 24 - 30 in support of RSW construction.
- Turbine unit 6 remains out of service in support of RSW construction.
- Spillgates 3-8 out of service in support of RSW construction.
- Spillgates 1&2 out of service October 23 for arrival and placement of RSW.

Little Goose:

- Turbine unit 3 back in service from 6 year overhaul and cavitation repair.
- Turbine unit 6 removed from service October 21 – 24 due to governor oil pump failure. Up to 150 gallons of lubricating oil leaked into the tailrace creating a slick 0.5 miles long. Oil absorbent booms were deployed, no obvious impacts evident on juvenile or adult fish.

Lower Granite:

- Turbine units 1 and 4 out of service for main unit breaker installation.
- Turbine unit 2 remains out of service for rewind and 6-year overhaul, with completion is not expected until January 2008.
- Turbine unit 3: 6 year maintenance and cavitation repair. Estimated return to service: Dec 2007.

Operations and Maintenance - Juvenile Fish Facilities

McNary:

- Primary Dewaterer: Rectangular cleaning screen power cord retractor came apart October 6, initial repair failed Oct 7, final repair completed October 8.
- Emergency bypass: On October 19, the facility was forced into emergency bypass when the screen cleaner hoist recoil spring failed. This spring retracts the cleaner into the stored position. The full flow PIT tag detector is no longer detecting tags as fish are being routed out the emergency bypass. The spring is custom made, and maintenance staff are still awaiting replacement parts.

Lower Monumental:

- Spill gates 3-8 out of service in support of RSW construction
- Primary Dewaterer Screen Cleaner: cleaning brush cable failed Aug 24 and remains out of service. Repairs will take place during the winter maintenance period. Air burst system cycle time decreased to keep inclined screen clean.

Little Goose:

- Collection and transport ceased October 31. Lower Granite transported Little Goose fish on October 31 due to mechanical problems with the 1-ton truck used to haul the midi-tank.

Lower Granite:

- Collection and transport ceased October 31. 3500 gallon tanker used Oct 22-27 due to increased numbers of fish in the collection.
- Divers inspected submerged portions of RSW on September 28. RSW returned to raised position October 4. Previously the RSW could not be retracted.

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

- Oregon Ladder: Fish pump 3 remains out of service for overhaul. The return to service date is uncertain due to shaft alignment problems.
- Video fish counting began November 1, Visual counts ended October 31.
- Wasco PUD interrupted 3.5 hours Oct 30 & 31 due to transformer tests.

Ice Harbor:

- North shore fish pump 3 failed October 25, followed by failure of fish pump 1 on October 26 (pump 1 was just returned to service). North shore fishway is now in 1 pump operation, with North shore fish entrance weir raised to 6 depth.

Little Goose:

- Fish pump 3 out of service Oct 9 – 10 to repair leaking cooling water line. Operating fish pump RPMs were increased while fish pump 3 was out of service.

Lower Granite:

- The adult fishway is operating satisfactory except for the North shore entrances. There is not enough water to maintain both weir depths and the requisite 1.0 foot of head differential at the north shore entrances resulting in a trade-off situation most of the time.

Research**Lower Monumental:**

- All spillbays were out of service October 31 for 1.5 hours in support of Battelle forebay sensor maintenance.

Lower Granite:

- Adult trap operations in progress.
- NOAA Fisheries ended tagging operations October 31.

Ladder Counts:

- Visual Counts: October 31: All Visual ladder counts end on snake and Columbia rivers.
- Video Counts: Nov 1: Video ladder counts began as follows:
 - BON: 3 ladders at present, reducing to 2 ladders in December.
 - TDA: 2 ladders, last year of video counts.
 - JDA : 2 ladders, last year of video counts.
 - MCN: 2 ladders, last year of video counts.
 - LGR: 1 ladder.