

Adult Fish Passage Facilities – 2004-05 Winter Maintenance Schedule
U. S. Army Corps of Engineers
Walla Walla District

MCNARY DAM - Washington Shore Fishway

1. Dewater the fish ladder from **January 3 – January 13** for inspection and maintenance.
2. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
3. Inspect the collection channel by dewatering.¹
4. Perform maintenance on the small hydro bypass and auxiliary water supply system.
5. Maintain adult PIT tag system as required. Coordinate with PSMFC.
6. Resume normal operation of the small hydro/auxiliary water system on **January 14**.

MCNARY DAM - Oregon Shore Fishway

1. Shut down the AWS pumps on the morning of **January 17**.
2. Dewater the fish ladder from **January 18 – February 10** for inspection and maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by underwater video or diving.
5. Perform maintenance on the AWS pumps.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Resume normal operation of the AWS pumps on **February 24**.

ICE HARBOR DAM - North Shore Fishway

1. Shut down the AWS pumps on the morning of **January 30**.
2. Dewater the fish ladder from **January 31 – February 24** for inspection and maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by underwater video.
5. Perform maintenance on the AWS pumps.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Resume normal operation of the AWS pumps on **February 24**.

ICE HARBOR DAM - South Shore Fishway

1. Shut down the AWS pumps on the morning of **January 2**.
2. Dewater the fish ladder from **January 3 – 27** for inspection and maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by underwater video.
5. Perform maintenance on the AWS pumps.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Replace counting station window (January 10 – 21).
8. Resume normal operation of the AWS pumps on **January 27**.

¹ Methods used in the past for inspecting collection channels at all five dams are shown in Table 1.

LOWER MONUMENTAL DAM - North Shore Fishway

1. Shut down the AWS pumps on the morning of **January 2**.
2. Dewater the fish ladder from **January 3 – February 28** for inspection, maintenance, and reconstruction of the fish counting station.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by dewatering.
5. Perform maintenance on the AWS pumps. Finish turbine rehab work.
6. From February 14 – 20 the AWS pumps will be off and the fish ladder will remain dewatered, but the AWS gallery will be flooded to the same water level as the tailrace to allow installation and curing of a new permanent bulkhead system installed under the parapet wall contract.
7. Resume normal operation of the AWS pumps on **February 28**.

LOWER MONUMENTAL DAM - South Shore Fishway

1. Dewater the fish ladder from **February 14 -27** for inspection and maintenance.
2. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
3. Inspect the collection channel by dewatering.
4. From February 20 – 27 a bulkhead will be installed between the AWS gallery and the south shore supply conduit. The fish ladder will remain dewatered, but the south shore diffuser chamber will be flooded to the same water level as the tailrace to allow installation and curing of a new permanent bulkhead system installed under the parapet wall contract.
5. Remove the bulkhead between the AWS gallery and the south shore on **February 28**.

LITTLE GOOSE DAM

1. Shut down the AWS pumps on the morning of **January 2**.
2. Dewater the fish ladder from **January 3 – 27** for inspection and maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by underwater video.
5. Perform maintenance on the AWS pumps.
6. Inspect and repair the adult fish fallout fence.
7. Resume normal operation of the AWS pumps on **January 27**.

LOWER GRANITE DAM

1. Shut down the AWS pumps on the morning of **January 2**.
2. Dewater the fish ladder from **January 3 – February 18** for inspection and maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by dewatering.
5. Perform maintenance on the AWS pumps.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Inspect and repair the adult fish fallout fence.
8. Inspect and repair areas within the adult fish trap.
9. Resume normal operation of the AWS pumps on **February 18**.

Table 1. Methods used to inspect adult fishway collection channels during past winter maintenance periods, compared to the upcoming winter period.

	2000-01	2001-02	2002-03	2003-04	2004-05
MCN WA Shore	dewatering	dewatering	dewatering	dewatering	dewatering
MCN OR Shore	underwater video	underwater video	diver	underwater video and diver	underwater video or diver
IHR North Shore	underwater video	underwater video	dewatering	underwater video	underwater video
IHR South Shore	dewatering	underwater video	underwater video	dewatering	underwater video
LMO North Shore	dewatering	dewatering	dewatering	dewatering	dewatering
LMO South Shore	dewatering	dewatering	dewatering	dewatering	dewatering
LGO	dewatering	underwater video	dewatering	underwater video	underwater video
LGR	dewatering	dewatering	dewatering	dewatering	dewatering

Note: The Fish Passage Plan requires dewatering at least every 3 years.