

Adult Fish Passage Facilities – 2007-08 Winter Maintenance Schedule
U. S. Army Corps of Engineers
Walla Walla District

MCNARY DAM - Washington Shore Fishway

1. Dewater the fish ladder from **January 2 – Feb 14** for maintenance. Diving is required to plug leak prior to dewatering.
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. Maintain half-duplex PIT (lamprey) antennas. Coordinate with University of Idaho.
7. Resume normal operation of the small hydro/auxiliary water system by **Feb 14**

MCNARY DAM - Oregon Shore Fishway

1. Shut down AWS pumps 1 and 2 on **Feb 2** and place ladder in orifice flow.
2. Dewater the fish ladder from **February 4 – 28** for maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. **Inspect the collection channel by a combination of underwater video or diving.**¹
5. Perform routine winter maintenance on the AWS pumps 1, 2, and 3.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Replace observation window in fish ladder.
8. Resume normal ladder flow and 2 pump operation on **February 28**.

ICE HARBOR DAM - North Shore Fishway

1. Shut down the AWS pumps on **January 26**
2. Dewater the fish ladder from **January 30` – February 23** for maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. **Inspect the collection channel by underwater video.**¹
5. Perform maintenance on the AWS pumps. Fix broken gearbox shaft on pump 2?
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Resume normal operation of the AWS pumps on **February 23**.

ICE HARBOR DAM - South Shore Fishway

1. Shut down the AWS pumps on the morning of **January 1**.
2. Dewater the fish ladder from **January 2 – 18** for maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. **Inspect the collection channel by underwater video.**¹
5. Perform maintenance on the AWS pumps.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Maintain half-duplex PIT (lamprey) antennas. Coordinate with University of Idaho.
8. Resume normal operation of the AWS pumps on **January 18**.

¹ Methods used in the past for inspecting collection channels at all five dams are shown in Table 1.
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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 7 – 31** for maintenance.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. **Inspect the collection channel by dewatering. See footnote on page 1.**
5. Perform maintenance on the AWS pumps.
6. Resume normal operation of the AWS pumps on **January 31**.

LOWER MONUMENTAL DAM - South Shore Fishway

1. Dewater the fish ladder from **February 4 – February 28** for maintenance.
2. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
3. **Inspect the collection channel by dewatering. See footnote on page 1.**
4. Replace picketed leads with stainless steel leads.

LITTLE GOOSE DAM

1. Shut down the AWS pumps on the morning of **January 1**.
2. Dewater the fish ladder from **January 2 – 30** for maintenance.
3. Dewater collection channel from January 3.
4. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
5. **Inspect the collection channel by dewatering. See footnote on page 1.**
6. Perform maintenance on the AWS pumps.
7. Inspect and repair the adult fish fallout fence.
8. Repair/replace light fixtures in adult channel.
9. Resume normal operation of the AWS pumps on **January 30**.

LOWER GRANITE DAM

1. Shut down the AWS pumps on the morning of **December 31**.
2. Dewater the fish ladder from **January 2 – February 22**.
3. Complete winter maintenance according to the Fish Passage Plan, Section 2.3.2.1.
4. Inspect the collection channel by boat and underwater video.
5. Perform maintenance on the AWS pumps.
6. Maintain adult PIT tag system as required. Coordinate with PSMFC.
7. Inspect 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 22**.

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

	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07
MCN WA Shore	dewatering	dewatering	dewatering	dewatering	Dewatering	
MCN OR Shore	underwater video	diver	underwater video and diver	underwater video or diver?	Underwater video or diver	dewatered
IHR North Shore	underwater video	dewatering	underwater video	underwater video	Dewatering	Underwater video
IHR South Shore	underwater video	underwater video	dewatering	underwater video	Underwater video	dewatering
LMO North Shore	dewatering	dewatering	dewatering	dewatering	Dewatering	dewatering
LMO South Shore	dewatering	dewatering	dewatering	dewatering	Dewatering	dewatering
LGO	underwater video	dewatering	underwater video	underwater video	Dewatering	Underwater video then dewatering
LGR	dewatering	dewatering	dewatering	dewatering	Dewatering	dewatering

Table 2. Methods proposed to inspect adult fishway collection channels during the 2007 -2008 maintenance period.

	2007-2008
MCN WA Shore	Dewatering
MCN OR Shore	Video and dive
IHR North Shore	Underwater video
IHR South Shore	Underwater video
LMO North Shore	Dewatering
LMO South Shore	Dewatering
LGO	Dewatering
LGR	Underwater video