

CENWP-OD-B

MEMORANDUM FOR THE RECORD

SUBJECT: BONNEVILLE DAM WINTER NON-ROUTINE FISHWAY MAINTENANCE 2017/2018.

This is a working document; reviewers can expect changes as we approach the winter maintenance season.

**1. OREGON SIDE**

**1.1. Bradford Island Ladder – (1 Dec – ~28 Feb)**

- Orifice flow on **1 Dec**
- Dewater A- and B-branch to tailwater on **5 Dec**
- 1.1.1. Repair FG3-3 – currently open
- 1.1.2. Repair FG3-4 – shaft was vibrating at water end
- 1.1.3. Repair FG3-5 -
- 1.1.4. Repair FG3-8 – gate was banging, currently closed
- 1.1.5. FV3-7 – bulkhead in for ? work
- 1.1.6. Pressure wash fishways, remove vegetation on top of weirs (GAR or PNT)

Contractor work at exit section extending BI lamprey system, cutting orifice holes, installing rest boxes (similar to WA shore).

**1.2. PH1CC and Entrances – (1 Dec – ~28 Feb)**

- Dewater PH1CC past tailwater on ~**11 Dec?**
- 1.2.1. FV1-1 bulkhead lifting beam?
- 1.2.2. PH1CC diffusers – Remove mechanical parts, set up for crane operation (MPH1)
- 1.2.3. WG-1 – limit switch work, RIGS installing pedestals for above-deck gate placement
- 1.2.4. WG-2 – Pull and redo bearings?
- 1.2.5. WG-2, -64, -65 – MPH1 maintenance?
- 1.2.6. Set lower limit on B-branch entrance gate 4S (gate is partially open when 'closed')
- 1.2.7. B-branch conduit piping inspection – Rob Troyer, RIGS
- 1.2.8. AWS sand removal???

**2. WASHINGTON SIDE**

**2.1. Cascades Island – Not dewatering**

- ROV inspection during winter
- 2.1.1. On hold until 2018: Debris-proofing upstream side of CI crowder, which currently catches debris

**2.2. Washington Shore Ladder – Not dewatering**

- ROV inspection during winter
- 2.2.1. On hold until 2018: Remove old NOAA rest boxes and PIT equipment

**2.3. PH2CC, North and South entrances – Not dewatering**

- ROV inspection during winter
- 2.3.1. On hold until 2018: Rehab C-valves? (Mechanics, Riggers)

**2.4. B2 Corner Collector (01 Sep – Mar 2018)**

- 2.4.1. Check/repair PIT antenna joints (FISH/PNT)

**2.5. DSM 2 (15 Dec – 28 Feb 2018)**

- Turn off orifice lights on **16 Dec 16.**
- Dewater DSM on **19 Dec.**

- 2.5.1. Pull STSs week of **18 Dec 17.**
- 2.5.2. STS repairs / maintenance.

2.5.3. Rehab plumbing of orifice gates ? (MPH2)

2.5.4. Install STSs starting Feb 2018. (Riggers)

### 3. RESEARCH FACILITIES

#### 3.1. Adult Fish Facility (Nov 2016 – April 2017)

Go to orifice flow on ~13 Nov 17(?)

Dewater on ~15 Nov 17

#### 3.2. Smolt Monitoring Facility (31 Oct 15 – 28 Feb 16)

Switch to bypass, drain and inspect sample flume on 31 Oct 16. (PSMFC)

3.2.1. Dean repair list items

3.2.2. Repair downspout on W side of building, investigate/repair leaky roof (GAR)

3.2.3. Caulk flume joints (painters)

#### KEY TO COLORS-

Red - Painters

Blue – Mechanics

Pink – Riggers

Green – Garage

Orange – Electricians

Aqua- Fisheries

Yellow- contractors or researchers