

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 23BON010 MFR PH2 F1 Outage**

On 27 February, a leak was observed within the turbine pit of Fish Unit 1 (F1) at Bonneville Powerhouse 2 (PH2) while watering the unit up to complete its annual overhaul. The unit has been dewatered until repairs can be made. F1 will not be available for the start of fish passage season (01 March). The return to service date is unknown at this time.

PH2 Fish Units provide auxiliary water to the Washington Shore Fishway. The PH2 Collection Channel will operate as defined in the 2023 FPP Table BON-12, to provide adequate differentials (1.0’-2.0’) to the monolith entrances. Current tailwater elevations are around 12’msl.

**Table BON-12. Bonneville Dam PH2 Auxiliary Water Supply Emergency Operations.**

Tailwater Elevation (ft)	Turbine (MW)	Turbine Q (cfs)	*****CLOSED*****			
			Floating Orifices	South "B" Diffusers	PH "C" Diffusers	Main Entrances
8	13.90	2,950	All	B3-8	C1-5	None
9	13.95	3,010	All	B3-8	C1-5	None
10	14.05	3,090	All	B3-8	C1-5	None
11	14.15	3,165	All	B3-8	C1-5	None
12	14.20	3,230	All	B3-8	C1-5	None
13	14.40	3,340	All	B3-8	C1-5	None
14	14.40	3,400	All	B3-8	C1-5	None
15	14.60	3,520	All	B3-8	C1-5	None
16	14.30	3,515	All	B3-8	C1-5	None
17	14.20	3,560	All	B3-8	C1-5	None
18	14.00	3,575	All	B5-8	None	NU-E
19	13.60	3,535	All	B5-8	None	NU-E
20	13.30	3,520	All	B4-8	None	NU-E
21	13.00	3,510	All	B4-8	None	NU-E
22	12.70	3,505	All	B4-8	None	NU-E
23	12.40	3,505	All	B4-8	None	NU-E
24	12.20	3,535	All	B4-8	None	NU-E
25	11.60	3,535	All	B4-8	None	NU-E
26	11.10	3,365	All	B4-8	None	NU-E
27	10.60	3,285	All	B4-8	None	NU-E
28	10.00	3,160	All	B3-8	None	NU-E

BON Project Fisheries and Operations will continue to monitor fishway conditions closely during this operation.

Sincerely,  
Bonneville Project Fisheries

Comments from others –

**NOAA Fisheries**

-----Original Message-----

From: Trevor Conder - NOAA Federal <trevor.conder@noaa.gov>

Sent: Tuesday, February 28, 2023 3:26 PM

To: Mackey, Tammy M CIV USARMY CENWP (USA) <Tammy.M.Mackey@usace.army.mil>; Derugin, Andrew G CIV (USA) <Andrew.G.Derugin@usace.army.mil>

Subject: [URL Verdict: Neutral][Non-DoD Source] Re: FPOM: Official Coordination - 23BON010 MFR PH2 F1 extended outage

Please let me know when you have an estimate of return to service. Thanks

**CRITFC –**

-----Original Message-----

From: Tom Lorz <lort@critfc.org>

Sent: Tuesday, February 28, 2023 3:28 PM

To: Mackey, Tammy M CIV USARMY CENWP (USA) <Tammy.M.Mackey@usace.army.mil>

Subject: [URL Verdict: Neutral][Non-DoD Source] Re: FPOM: Official Coordination - 23BON010 MFR PH2 F1 extended outage

Oh so awesome, and yes you can add to the agenda. Losing F1 not great.....thanks

tom