

**MEMORANDUM FOR THE RECORD****SUBJECT: 22BON002 MFR Hydro-cannon Outage**

On March 1, 2022, at 1523 it was discovered that the hydro-cannon underground water supply pipe was broken, and the hydro-cannon is inoperable. The hydro-cannon is used on the outfall flume of the Smolt Monitoring Facility for avian deterrence. This outage violates the **Bonneville Fish Passage Plan section 2.3.2.6.v.** that states “Operate the outfall avian hydrocannons from March 1 through November 1”. Without the hydro-cannon, this could increase avian predation on downstream migrants exiting the outfall. Minimal juvenile migration is occurring at this time, but BON Fisheries will monitor avian abundance near outfall. The repairs to the water supply were completed and the return to service date was the morning of March 3, 2022. Preventative measures are being discussed to better winterize and protect this water supply.

- A. Species – Juvenile Salmonids / Downstream migrants
- B. Origin – NA
- C. Length – NA
- D. Marks and tags – NA
- E. Marks and Injuries found on carcass – NA
- F. Cause and Time of Death – NA
- G. Future and Preventative Measures – Better winterizing the water supply pipe

Sincerely,  
Bonneville Project Fisheries

## Comments –

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

From: Trevor Conder - NOAA Federal &lt;trevor.conder@noaa.gov&gt;

Sent: Monday, March 07, 2022 1:02 PM

To: Mackey, Tammy M CIV USARMY CENWP (USA) &lt;Tammy.M.Mackey@usace.army.mil&gt;; Lorz, Tom &lt;lorz@critfc.org&gt;

Subject: [Non-DoD Source] Re: FPOM: Official Coordination - MFRs 22BON001 - 22BON003

The second MFR is for an avian water cannon outage on the SMF outfall. No return to service date. I don't remember consulting on the shoulder shrug emoji. Was that in the proposed action? Just wondering if we will have more info this week since fish and stuff are coming soon.