

MEMORANDUM FOR THE RECORD 23BON017

SUBJECT: Bradford Island Wetted Wall Optical Sensor Installation

The install of an optical counting sensor on the Bradford Island wetted wall had been planned for the 2022-23 winter maintenance period. Installation includes operations of a crane and work over water within the serpentine section of the BI fishway. A delay in parts shipment without a specific arrival date pushed the work out (estimated) several months.

On 17 April 2023, workers at Bonneville received the optical sensor ahead of schedule and proceeded with the install without coordination. It was discovered around 1500 that they already installed the sensor while working over the fishway. This violates the **Bonneville Fish Passage Plan section 2.1.3** that states “Research, non-routine maintenance, fish-related activities, and construction will not be conducted within 100' of any fishway entrance or exit, within 50' of any other part of the adult fishway, or directly in, above, or adjacent to any fishway, unless coordinated with FPOM or FFDRWG by the Project, District Operations and/or Planning or Construction office. Alternate actions will be considered by District and Project biologists in conjunction with the regional fish agencies on a case-by-case basis.”

Impacts to fish passage are thought to be minimal with a total of 29 Chinook and 2 steelhead passing through the BI fishway on 17 April. It is possible that several fish may have been startled by the commotion and delayed. Any future work on this system will be coordinated ahead of time.

- A. Species – Chinook and Steelhead adults
- B. Future and Preventative Measures – Communication and coordination with FPOM.

Sincerely,
Fish Field Unit

Comments from others –

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

From: Tom Lorz <lort@critisfc.org>

Sent: Wednesday, April 19, 2023 7:59 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 - 23BON017 MFR BI wetted wall optical sensor install

appreciate the get after it, but we do need to follow some form of protocols when doing work. Thanks for getting it done but lets coordinate in the future....

thanks

Tom Lorz

CRITFC

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

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

Sent: Tuesday, May 02, 2023 3:48 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 - 23BON017 MFR BI wetted wall optical sensor install

Tammy,

I am fine with the MOC as written but do have the following question: Since past video counts showed the wetted wall was effective at passing lamprey, does it make sense to convert the system into a lamprey live trap? This would allow for accurate counts and provide another source for transport or passage past the dam.

-Trevor