

**OFFICIAL COORDINATION REQUEST FOR
NON-ROUTINE OPERATIONS AND MAINTENANCE**

COORDINATION TITLE- 17BON26 B2CC closure for B2FGE repair

COORDINATION DATE- 6/29/17

PROJECT- Bonneville Dam

RESPONSE DATE- 6/29/17

Description of the problem: PNNL researchers notified the USACE that the hydro-acoustic transducer collecting fish passage data at the B2CC for the B2FGE program post construction evaluation is not secured. It needs to be re-secured to continue collecting data for the summer fish evaluation and to meet study objectives.

Type of outage required

Impact on facility operation:

The B2CC would need to be closed for up to 2 hours starting at 0900-1000 and as soon as possible to minimize impacts to Subyearling chinook passage.

Impact on unit priority: None

Impact on forebay/tailwater operation: None

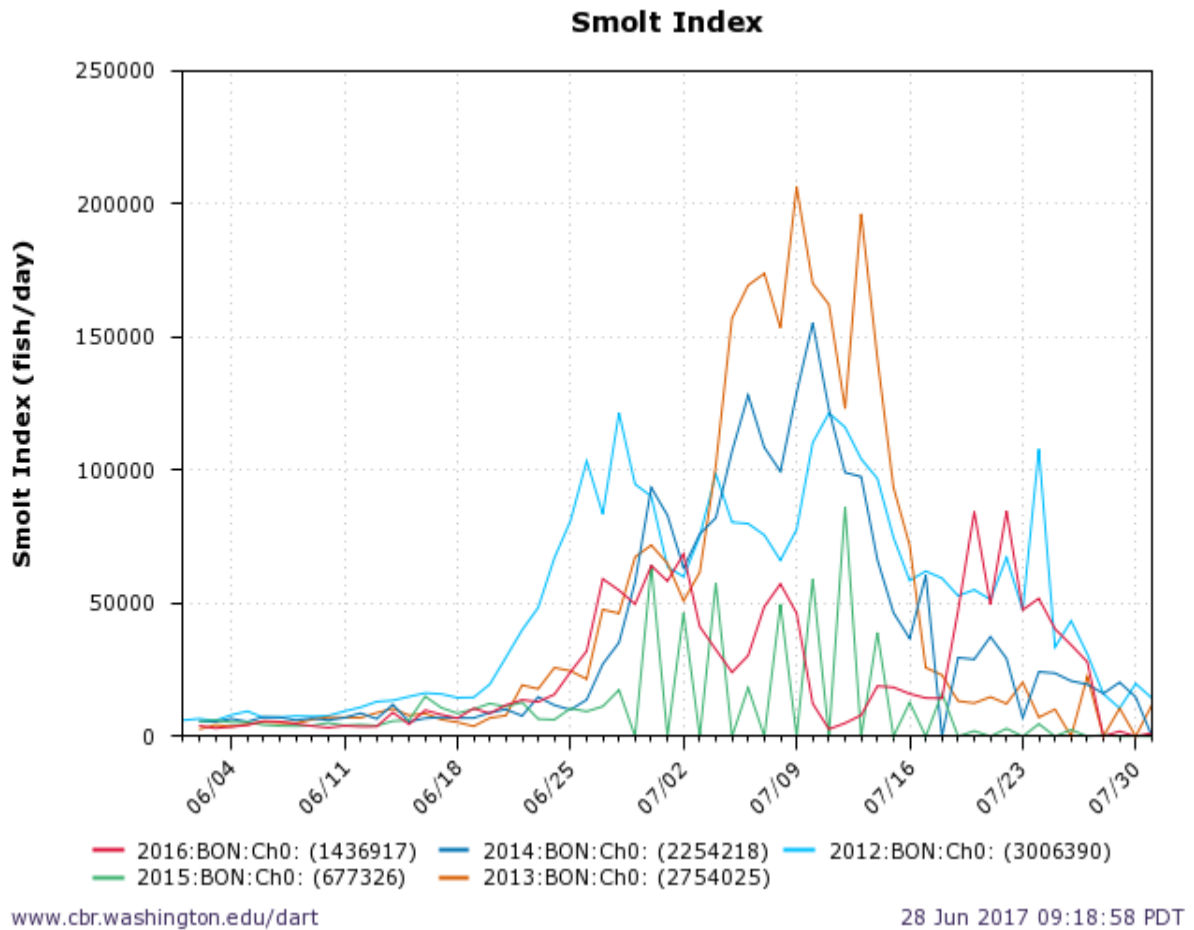
Impact on spill: None

Dates of impacts/repairs: As soon as BON project can provide support.

Length of time for repairs: 2-3 hours maximum.

Analysis of potential impacts to fish

Juveniles: Yearling chinook, coho, steelhead, and sockeye monitored by PSMFC at the BON JMF from 6/17 - 6/28 have declining index numbers with very few in the daily samples. Impacts to these species will be minimal. The Subyearling chinook run tends to build in late June and peaks in July based on the last 5 years of data from 2012-2016. See DART data below. PSMFC smolt monitoring index numbers suggest the run is starting to build following the recent 5-year passage trend. See attached PSMFC weekly report from last week and partial from this week for Index numbers.



DART Data Citation

Columbia River DART, Columbia Basin Research, University of Washington. (2017). Smolt Index Graphics & Text. Available from http://www.cbr.washington.edu/dart/query/smolt_graph_text

Generated

28 Jun 2017 09:18:58 PDT. Columbia River DART (Data Access in Real Time) www.cbr.washington.edu/dart.

Figure 1 – Subyearling chinook passage data for June and July, 2012-2016.

Delay impacts to juvenile salmonids will likely be minimal with the short closure and availability of the JBS and turbine passage routes at PH2. Any subyearling chinook that pass through the JBS or turbine route would result in lower survival based on BON route specific survival for subyearling chinook in 2012 (Weiland, 2015).

Table 1. JSATS PH2 route specific survival estimates 2012.

	Survival	SE
B2CC	1.0094	0.0030
B2 turbine	0.9589	0.0102
B2 JBS	0.9772	0.0142

Adults: Adult fallback that would have passed through the B2CC would have to utilize the JBS or Turbine routes which have a lower survival rate.

Bull Trout: Minimal impact based on scarcity in area around Bonneville Dam.

Lamprey: Adults presently passing the dam. Fallback and downstream route specific survival unknown. However, the B2CC is likely a more benign route.

Comments from agencies

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

From: Kiefer, Russell [mailto:russ.kiefer@idfg.idaho.gov]
Sent: Thursday, June 29, 2017 9:52 AM
To: Kovalchuk, Erin H CIV USARMY CENWP (US)
<Erin.H.Kovalchuk@usace.army.mil>
Subject: [Non-DoD Source] RE: FPOM: Official Coordination 17BON26 MOC
B2CC closure for B2FGE repair

Erin,

Support completing ASAP.
Time of day should be selected to minimize juvenile impacts.
Disappointed that transducer not initially installed correctly.

Russ

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

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov]
Sent: Wednesday, June 28, 2017 10:30 AM
To: Rerecich, Jonathan G CIV USARMY CENWP (US)
<Jonathan.G.Rerecich@usace.army.mil>
Cc: Lorz, Tom <lort@critfc.org>; Trevor Conder <Trevor.Conder@noaa.gov>
Subject: [Non-DoD Source] Re: B2CC

Jon, I was just out there this morning. I talked to Dean and it looks like smolt numbers dropped a bit yesterday and today so doing this right away would be good. I can support the same operation that Tom supports. Thanks, Gary

Final coordination results – The action proceeded as documented.

After Action update - Closed on June 29th from 0620 until 0840. Hydro-acoustic transducer successfully repositioned and collecting data. PSMFC smolt data on June 29 showed that index numbers continued to drop from previous days.

Please email or call with questions or concerns.

Thank you,

Erin

Erin Kovalchuk
NWP Operations Division Fishery Section
Columbia River Coordination Biologist

Erin.H.Kovalchuk@usace.army.mil