

MEMORANDUM FOR THE RECORD

SUBJECT: 17JDA08 MFR – Two dead adult and three dead juvenile chinook found on the PH tailrace deck next to spillway # 20, within the last 4 days.

PROBLEM:

On May 23, AM, one dead adult, clipped chinook was found on the PH tailrace deck, next to spillbay 20. Another adult, unclipped chinook was found in the same spot, same day early PM. Additionally, 3 juvenile chinook mortalities were found there over the weekend: one clipped on May 19, another clipped plus one unclipped on May 20. Plus, there was one clipped juvenile steelhead mortality found in late April as well. All fish appeared to have come from spillbay 20, which is currently discharging a high volume of turbulent flows. JD Fisheries inspects this area at least twice per day and is able to detect mortalities in that area quickly. There had been similar mortalities, one adult steelhead (JD MFR 3) and one juvenile chinook mortality (JD MFR 4) found next to spill bay 20 in April.

Information collected is provided below:

- A. Species – one adult clipped chinook, one adult unclipped chinook, two clipped juvenile chinook, one unclipped juvenile chinook and one clipped juvenile steelhead.
- B. Origin – unknown
- C. Length – clipped adult chinook approx. 15 lbs. & unclipped adult chinook approx. 10 lbs.
- D. Marks and tags – No marks or tags, no PIT tags detected
- E. Marks and Injuries found on carcass – All fish fresh, in good condition, without any visible marks or injuries on the body with an exception of adult clipped chinook which had a half-dollar size wound on the belly, between the ventral fins.
- F. Cause and Time of Death – Asphyxiation due to stranding on deck
- G. Future and Preventative Measures – After the second adult chinook mortality was found today, 23 May PM, the JD Fisheries imposed an immediate 3 stop limit at spill bay 20 to reduce its excessive and violent flows. A long term measure could be adding a small size mesh's screen on top of the hand rail. Probably up to extra 10 feet in height should be sufficient in preventing fish from being thrown over the current, low hand rail (pictured below.)



Photo is from the previous JD MFR03 to show the area.



Current photo from 23 May 2017.

Sincerely,
JD Fisheries

Agency Comments

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

From: Tom Lorz [mailto:lorz@critfc.org]
Sent: Thursday, May 25, 2017 10:12 AM
To: Kovalchuk, Erin H CIV USARMY CENWP (US) <Erin.H.Kovalchuk@usace.army.mil>
Subject: [Non-DoD Source] Re: FPOM: Official Coordination 17JDA08 MFR Juvenile and Adult Chinook Morts Spill bay 20

I do not have a problem with these mods, thought I saw a comment that the crane was down?? if so is it back and is this impacting our ability rack and keep units going.

thanks

tom

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

From: Gary Fredricks - NOAA Federal [mailto:gary.fredricks@noaa.gov]
Sent: Wednesday, May 31, 2017 10:23 AM
To: Kovalchuk, Erin H CIV USARMY CENWP (US) <Erin.H.Kovalchuk@usace.army.mil>
Cc: Lorz, Tom <lorz@critfc.org>; Trevor Conder <Trevor.Conder@noaa.gov>; Zyndol, Miroslaw A CIV CENWP

CENWD (US) <Miroslaw.A.Zyndol@usace.army.mil>; Ebner, Laurie L CIV USARMY CENWP (US)
<Laurie.L.Ebner@usace.army.mil>
Subject: [Non-DoD Source] Re: FPOM: Official Coordination 17JDA08 MFR Juvenile and Adult Chinook Morts
Spill bay 20

Erin, I'm glad they are doing this. I suspect there were a lot more fish impacted by that bay than just those we saw on the deck. The only thing I would comment on is the one-size-fits-all approach. It still seems to me that fine tuning the gate opening limit with some prototype investigations would provide a better spill pattern and better guidance for an FPP change form. Maybe 3 stops is perfect but it seems a bit arbitrary at this point. Thanks, Gary