

From: [Sugarman, Shelly CIV](#)
To: [Moore, James M CIV](#)
Subject: FW: [EXTERNAL] Permit NWW-2007-01303 BNSF Sandpoint Junction Connector
Date: Thursday, June 7, 2018 1:29:21 PM
Attachments: [image008.png](#)
[image007.png](#)
[image006.png](#)
[image002.png](#)

From: Bordenave, Pierre [REDACTED] Exemption (4)
Sent: Thursday, June 7, 2018 1:16 PM
Subject: [Non-DoD Source] RE: [EXTERNAL] Permit NWW-2007-01303 BNSF Sandpoint Junction Connector

Hi Marshall,

Diane is out of the office until Tuesday. I would like her and Sue to discuss this with you and Katy when Diane returns from vacation. The determination for critical habitat for Bull trout was in part based on the BO for the ITD Sand Creek highway project that determination the adjacent (approximately 100 feet to the west) highway project pile driving in and along Sand Creek was not Bull Trout Critical Habitat in 2009 or 2010.

In addition, Diane identified the specific narrative description in the federal register, which apparently defines the creek as not CH for Bull Trout. Also the definition from several sources defines the mouth of Sand Creek being several hundred feet to the east of the rail bridge.

In any event, if the determination is that the Creek designation for critical bull trout habitat has changed since the highway was built, then we will certainly work with you on applying the pile driving impact data we generated to those areas affected to make sure we have done our due diligence in making the correct effect determination and define appropriate conservation measures to protect the resource.

Thank you.

Pierre Bordenave
Environmental Services Group - Rail
JACOBS Office [REDACTED] | Cell [REDACTED] | [REDACTED] | Website: www.jacobs.com

From: Williams, Marshall [REDACTED]
Sent: Thursday, June 07, 2018 9:26 AM
To: [REDACTED]; Slate, Shane P CIV USARMY CENWW (US)
[REDACTED]; June Bergquist [REDACTED]; Bordenave, Pierre [REDACTED]

Cc: Williams, Diane M. [REDACTED]; Katy Fitzgerald [REDACTED]
Subject: [EXTERNAL] Permit NWW-2007-01303 BNSF Sandpoint Junction Connector

All;

During preliminary familiarization of the BNSF application, I noted that the application states that Bridge 3.1 is over Sand Creek, and is not considered bull trout critical habitat (CH) (BA, p.3). Jacobs Environmental is correct that Sand Creek is not critical habitat, but incorrect in depicting Bridge 3.1 as being over Sand Creek (BNSF application figures 1, p. 6, and figure 2, p. 7); it is in fact over a Lake Pend Oreille inlet, and in designated bull trout critical habitat.

Reference sources that show Bridge 3.1 is in bull trout critical habitat can be found on the USFWS IPaC website (<https://ecos.fws.gov/ipac/>) - an online tool used to determine whether listed species and critical habitat occur in the action area, and also on the USFWS Bull Trout Critical Habitat website at (<https://www.fws.gov/pacific/bulltrout/Habitat.cfm>) where GIS data is also available for determining bull trout critical habitat. Figure 1 is a screen capture of the area around Bridge 3.1 with the Google KML data from the web site depicting designated bull trout critical habitat in blue.



Figure 1. Bull trout critical habitat, Lake Pend Oreille, near Sandpoint, ID

In addition, the USGS quad map for the action area found on the National Map website, also shows that Bridge 3.1 is over a Lake Pend Oreille inlet (figs. 2 and 3), rather than Sand Creek as depicted in Figure 1, p. 6, in BNSF application. The mouth of Sand Creek is shown in Figure 2 at the top of the inlet. (I've provided two images since the GNIS labeling on the map doesn't come up for both Sand Creek and Lake Pend Oreille when zoomed out far enough to capture Sand Creek, the lake inlet, and the action area.)

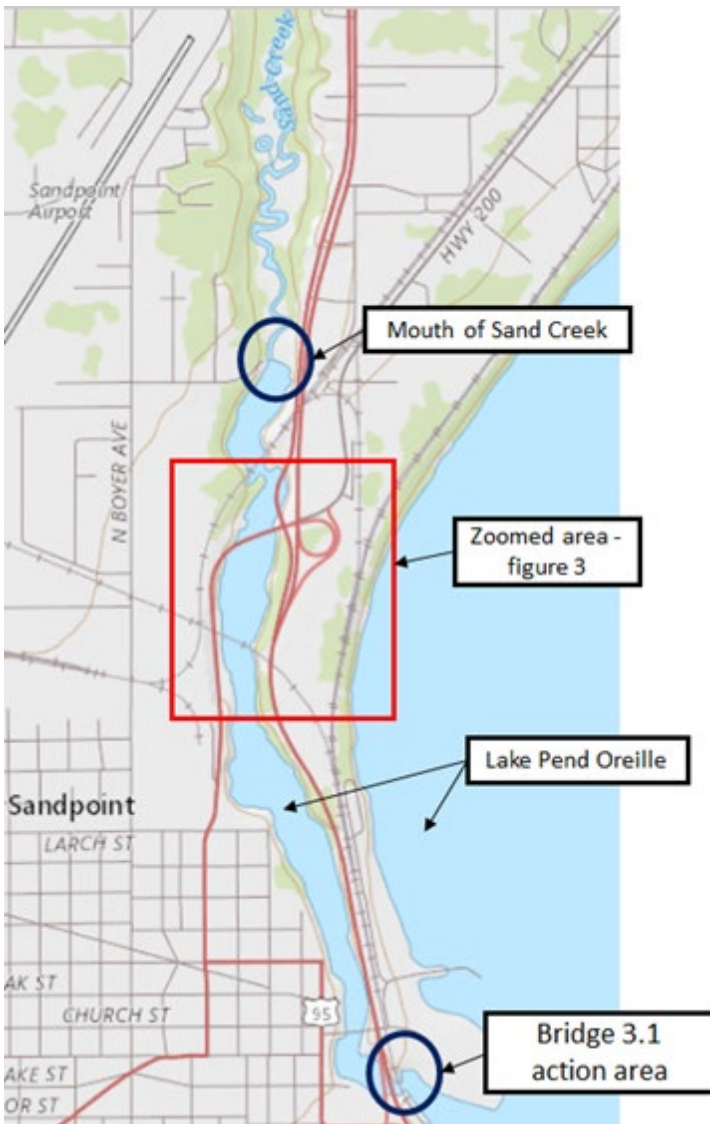


Figure 2. Location of Sand Creek tributary mouth and Lake Pend Oreille inlet in relation to the Bridge 3.1 action area, Sandpoint, ID.



Figure 3 - Zoomed in area from figure 2 to illustrate GNIS label for Lake Pend Oreille for the inlet.

This information should be used for project planning and determining effects to bull trout and their critical habitat for the Bridge 3.1 action area.

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