



112-63-10080

Species Addition / Route Correction

Water Body Name: *Crab Cove Creek (NE Head)

HUC12: 190103010716

Species & Lifestage Observed: COr

MTR: C042S064E / C041S064E

Observation Date: 08/15/2024

Quad: Juneau B-3 SW

Observers: Mark Hieronymus, Nate O'Brien, Matt Boline

Observations: We walked this listed stream from its upper intertidal zone to a point approximately 1.3km upstream with a GPS and captured juvenile coho salmon as well as cutthroat trout and Dolly Varden char with minnow traps. The lower ~750m of this stream is relatively high gradient, while the upper portion is low/no gradient and has beaver dams and ponded water. We found the remnants of an anthropogenic dam and water delivery system at the approximate midpoint of the stream (Waypoint 7, Figure 2.), and found juvenile coho above this structure. During the course of observations, comparison of the 2024 Anadromous Waters Catalog arc and our field-verified stream path for 112-63-10080 suggests a route correction is needed. A route correction for the intertidal section of 112-63-10080 was included in a previous nomination (#24-790). Observation locations and notes are in Table 1. Fish, stream, and feature photos and a map showing observation locations and route correction are in Figures 1-7.

Table 1.- 112-63-10080 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
1	58.259220	-134.880125	8/15/2024, 112-63-10080. Start of Obs, 8:30am. 100% clear sky. H2O Temp: 11.2°C. Stream strongly tannic, with a "cloudy" look - lots of particulate, vis <75cm. Just upstream of ITZ here, streambed is small boulders/cobble, some gravel. Gradient 2-3%.		
2	58.262198	-134.876670	Between wpt 1 and here, substrate mostly cobble / small boulders with some gravel interspersed, gradient up to 4% for short reaches but generally 2-3%, mostly plane bed with a few pools, lots of LWD. Several small fish seen, but combo of lots of hiding places and poor vis is making hand netting ineffective. 1 MT set here, 30min soak, 4 cutthroat and 1 small (<15cm) Dolly Varden. Gradient increases to 4-6% US of here, stream flows thru medium / large boulders, with some cobble and isolated small gravel patches.	1 MT	4 CT 1 DV
3	58.262297	-134.876362	1 MT set here, 35min soak, 1 DV 1 CT.	1 MT	1 CT 1 DV
4	58.262429	-134.876169	1 MT set here, 35min soak, 1 DV 2 CT.	1 MT	2 CT 1 DV
5	58.262572	-134.875722	1 MT set here, 40min soak, 5 CT 1 DV.	1 MT	5 CT 1 DV
6	58.262820	-134.875118	1 MT set here, 40min soak, 1 DV 1 CT.	1 MT	1 CT 1 DV



Table 1.- 112-63-10080 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
7	58.262908	-134.874775	Old manmade dam here, ~1m tall, ~5-7m wide, cabled/chained into bank. Remnant piping laying about as well. Water filters over dam at this level, south (river left) side has obvious washout where water overtops unfiltered at slightly higher water level. Single ~40cm notch cut in dam, possible attempt at fish passage? DS gradient 4-6% and contained channel, US gradient 0-2% with wider floodplain. Pool US of dam gravel substrate. 1 MT set in US pool, 3hr30min soak, 1 DV.	1 MT	1 DV
8	58.265253	-134.870819	Beaver dam here, ~30-40cm high, ~5-6m wide, water audibly filtering through in several places. Gradual gradient decrease between wpt 7 and here, gradient now close to 0%. 1 MT set on DS side of dam, 2hr30min soak, 13 juvenile coho, 2 DV, 1 CT. Several of the coho appear to be YoY based on size, rest age 1+. One of the char is 15-17cm with silvery appearance and no visible parr marks, suggesting anadromy in its recent life history.	1 MT	13 CO 2 DV 1 CT
9	58.265577	-134.870034	Beaver dam here, ~40-50cm high, ~18-20m wide, water overtopping in several places. 1 MT set DS side, 2hr10min soak, 10 CO, 9 DV, 3 CT, 1 stickleback.	1 MT	10 CO 9 DV 3 CT 1 STB
10	58.265793	-134.869785	On US side of dam noted at wpt 9. 1 MT set here, 2hr10min soak, 5 CO, 1 DV, 1 CT.	1 MT	5 CO 1 DV 1 CT
11	58.266398	-134.868771	Beaver dam here, ~1-1.2m high, ~40m wide, heavily vegetated in a few spots with several alders growing from it. Water overtopping in a few places. 2 MT set here ~10m apart. MT closest to dam - 1hr 30min soak, 3 CO 1 DV. ~10m DS MT - 1hr30min soak, no fish - Forgot to perforate bait whirlpak, user error.	1 MT	3 CO 1 DV
12	58.267064	-134.867861	Beaver dam here, with pond/lake on US side. Dam is ~40-50cm high, ~50-70m wide, heavily vegetated in places with water overtopping close to channel. 1 MT set on DS side, 1hr soak, no fish.	1 MT	No Fish
13	58.267761	-134.867196	In pond/lake US BD noted at wpt12. 1 MT set here, 45min soak, 2 CO 2 DV. Out of traps, end of US Obs.	1 MT	2 CO 2 DV



Figure 1.- Looking downstream from waypoint 6 at general stream characteristics encountered between waypoints 2-7.



Figure 2.- Anthropogenic dam found at waypoint 7, Matt B. (1.88m) for scale.



Figure 3.- Looking upstream at beaver dam noted at waypoint 8.



Figure 4.- Juvenile coho salmon captured at downstream of the beaver dam at waypoint 8.



Figure 5.- Downstream side of beaver dam noted at waypoint 11.



Figure 6.- Juvenile coho captured in the lake noted at waypoint 13.



Figure 7.- A map of 112-63-10080 showing observation locations and route correction.