



## 112-63-10070

## Species Addition / Route Correction

**Water Body Name:** \*Crab Cove Creek (N Head)

**HUC12:** 190103010716

**Species & Lifestage Observed:** CO, DVp

**MTR:** C042S064E / C041S064E

**Observation Date:** 06/20/2024

**Quad:** Juneau B-3 SW

**Observers:** Mark Hieronymus, Monica Southworth, Dave Theriault

**Observations:** We walked this listed stream from its tidewater confluence with 112-63-10080 to a point approximately 2.5 kilometers upstream with a GPS and observed and captured juvenile coho salmon and Dolly Varden char with hand nets and minnow traps. During the course of observations, comparison of the 2024 Anadromous Waters Catalog arc and our field-verified stream path for 112-63-10070 suggests a route correction is needed. I have included a route correction for 112-63-10080 as well, as its 2024 AWC arc terminates ~300m upstream from the confluence of -10070 and -10080, and does not include the ~300m from the confluence to MLLW. Observation locations and notes are in Table 1, fish, stream, and feature photos and a map showing observation locations and route corrections are in Figures 1-13.

Table 1.- 112-63-10070 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
MLLW	58.255955	-134.881664	~MLLW based on observed water level (0.4' @ 8:18am 6/20/24, Ref Stn JNU 9452210, Funter (Sub.) +1min, low +0'), beach characteristics.		
1	58.257896	-134.884012	Intertidal confluence of 112-63-10070 and 112-63-10080.		
2	58.259534	-134.884823	Start of obs, 112-63-10070, ~8:30am 06/20/2024. Obs: MH, MS, DT. Sky: 40% OVC, high clouds. H <sub>2</sub> O Temp: 12.1°C, tannic water with decent (~75cm-1m) vis. In high ITZ at transition from tideflat to "meadow", stream grad ~3-4%, bedwidth 4-5m, wetted 2-3m, <10cm deep, cobble/boulder with some gravel substrate.		
3	58.259980	-134.885221	Several juvenile coho seen here, 1 captured with hand net. CO appear to be YoY.	VI HN	6 - 8 1
4	58.261572	-134.886657	8-10 juv CO here, 2 netted. General stream characteristics continue.	VI HN	8 - 10 2
5	58.262674	-134.887403	6-8 juv CO here, 2 netted. US of this point, gradient drops to ~1-2%, stream starts to wander back and forth across floodplain. More gravel/cobble, fewer boulders, some LWD in stream. Good spawning / rearing hab.	VI HN	6 - 8 2
6	58.263856	-134.888856	10-12 juv CO here, 2 netted.	VI HN	10 - 12 2

Table 1.- 112-63-10070 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
7	58.266004	-134.890724	8-10 juv CO here, 2 netted. General stream characteristics continue.	VI HN	8 - 10 2
8	58.268079	-134.891901	10-12 juv CO here, 2 netted. Lots of LWD instream, some spanning logs. Gradient now ~0.5-1.5%, Incised ~75cm-1.5m, cutbanks on outsides, gravel bars on insides. Good spawning / rearing hab.	VI HN	10 - 12 2
9	58.269969	-134.894103	4-6 juv CO here, 2 netted. Bedwidth now ~2-3m, incised ~1m, gradient <0.5%, pea gravel / gravel sub. Excellent spawning/rearing hab.	VI HN	4 - 6 2
10	58.272398	-134.895047	10-12 juv CO here, 2 netted. Beaver dam ~10m US of here, dam is ~4-5m wide, 50-75cm tall, water overtopping in a few places. Dam appears inactive, lots of vegetation (grass / skunk cabbage, alder seedlings) in places where water not flowing over.	VI HN	10 - 12 2
11	58.272574	-134.895213	1 minnow trap set in channel above BD @ wpt 10. Channel is ~4-10m wide, 1m+ deep, lots of LWD, no perceptible flow. 2hr 15min soak, 8 Dolly Varden char, 2 CO - both appear age 1+.	MT	8 DV 2 CO
12	58.273182	-134.895401	Inactive beaver dam here. Dam is ~20-30cm tall, ~3-4m wide, vegetated, no water overtopping but a faint sound of water filtering through. 1 MT set US of dam, 1hr 45min soak, no fish - questionable set, some algae visible on trap at retrieval.	MT	No Fish
13	58.273897	-134.895302	Inactive beaver dam here, ~12-15m wide, ~50-70cm tall, heavily vegetated across length, no water overtopping.		
14	58.27411	-134.895378	1 MT set here, 1hr 25min soak, no fish - trap also covered in algae at retrieval.	MT	No Fish

Table 1.- 112-63-10070 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
15	58.275055	-134.896275	Inactive beaver dam here, ~12-15m wide, ~30cm tall, heavily vegetated across length, no water overtopping.		
16	58.27563	-134.896931	US travel becoming increasingly difficult near channel here - appears to be multiple channels with flooded grass between for last ~50m of US travel. 2 MT set ~10m apart here, 30min soak - US trap (wpt 16) captured 9 DV 1 CO, DS trap no fish. End of US obs.	MT  MT	9 DV 1 CO  No Fish



Figure 1.- An aerial view of the confluence (red arrow) of 112-63-10080 (stream entering picture on viewers left) and 112-63-10070 (lower center), as well as saltwater terminus near MLLW. Image captured at 8:16 am, 6/20/24.





Figure 2.- Looking downstream from waypoint 2 at tideflat reach.



Figure 3.- Looking upstream from waypoint 2 at upper ITZ / meadow reach characteristics, 1.65m Monica S. (left) and 1.83 Dave T. for scale.





Figure 4.- Juvenile coho salmon captured at waypoint 4.



Figure 5.- Looking upstream from waypoint 5 at general stream characteristics encountered between here and waypoint 8.





Figure 6.- Juvenile coho captured at waypoint 8.



Figure 7.- Looking upstream from waypoint 8 at general stream characteristics encountered between here and waypoint 10.





*Figure 8.- Looking upstream at beaver dam noted at waypoint 10.*



*Figure 9.- Juvenile coho captured at waypoint 11. Both appear age 1+ based on size.*





Figure 10.- Looking downstream from waypoint 12 at general characteristics encountered between waypoints 11 and 16.



Figure 11.- Looking upstream at beaver dam noted at waypoint 13.





*Figure 12.- Juvenile coho captured at waypoint 16.*



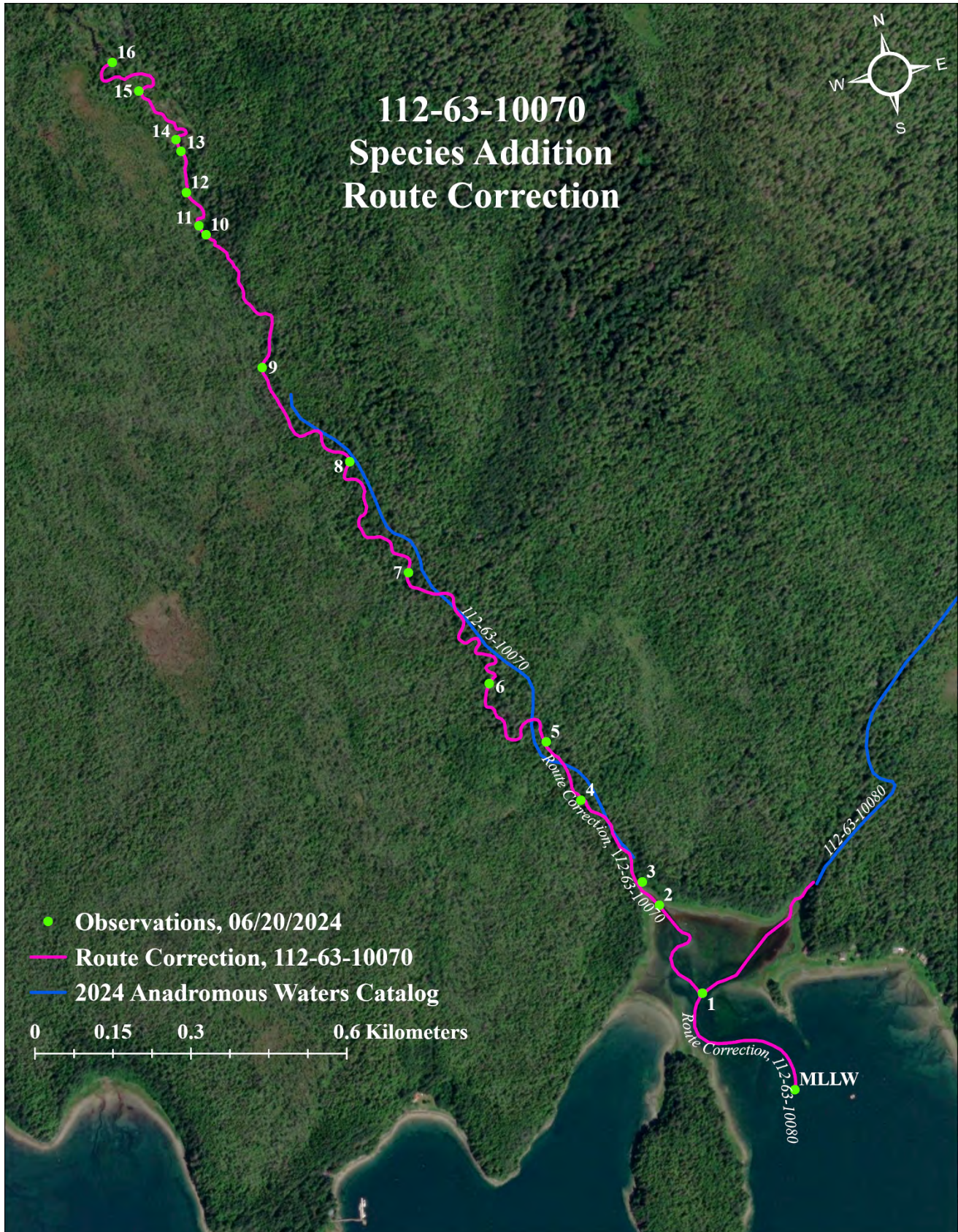


Figure 13.- A map of 112-63-10070 showing observation locations and route corrections.