State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southeastern

USGS Quad(s): JUNEAU B-3

Anadromous Waters Catalog Number of Water Body: 112-63-10070, 112-63-10080

Name of Water Body: *Crab Cove Creek (N Head); *Crab Cove Creek (NE. Head)

☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For Office Use

Nomination #: 24-790

Revision Year: 2025

Revision to: ☑ Atlas ☑ Catalog

Revision Code: C-9, B-1, A-1, C-7

Adam Reimer — Fisheries Scientist	7-30-2024 — Date
Ron Benkert — Habitat Operations Manager	7/24/2024 — Date
Project Biologist	12 July 2024 — Date
GIS Analyst	8/2/2024 — Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/20/2024		✓		✓
Dolly Varden	06/20/2024			✓	

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

Observation locations, notes, and photos in attached pdf, geospatial data in attached zipfiles.
Coordinates (Lat,Long): Upper(58.27563,-134.896931) Lower(58.255955,-134.881664)

Name of Observer (please print): Mark Hieronymus

Signature: 10.231.39.10 (Web Nomination) Date: 06/25/2024

Agency: Trout Unlimited - AK

Address: PO Box 20881

Juneau, AK 99802

~UPDATE/ADJUST hydrography of existing AWC Stream #112-63-10070 "*Crab Cove Creek (N. Head)", including relocating stream mouth point to better approximate Mean-Low-Low-Water (MLLW).

~ADD new species COHO salmon REARING to existing AWC Stream #112-63-10070 "*Crab Cove Creek (N. Head)".

~EXTEND existing AWC Stream #112-63-10070 "*Crab Cove Creek (N. Head)" with COHO salmon REARING.

~ADJUST/RELOCATE Stream mouth point of existing AWC Stream #112-63-10080 "*Crab Cove Creek (NE. Head)" to connect with new hydrography for Stream #112-63-10070.

112-63-10070

Species Addition / Route Correction

Water Body Name: *Crab Cove Creek (N Head)
Species & Lifestage Observed: COr, DVp
Observation Date: 06/20/2024
Observers: Mark Hieronymus, Monica Southworth, Dave Theriault

HUC12: 190103010716
MTR: C042S064E / C041S064E
Quad: Juneau B-3 SW

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_2O 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 increaingly 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.

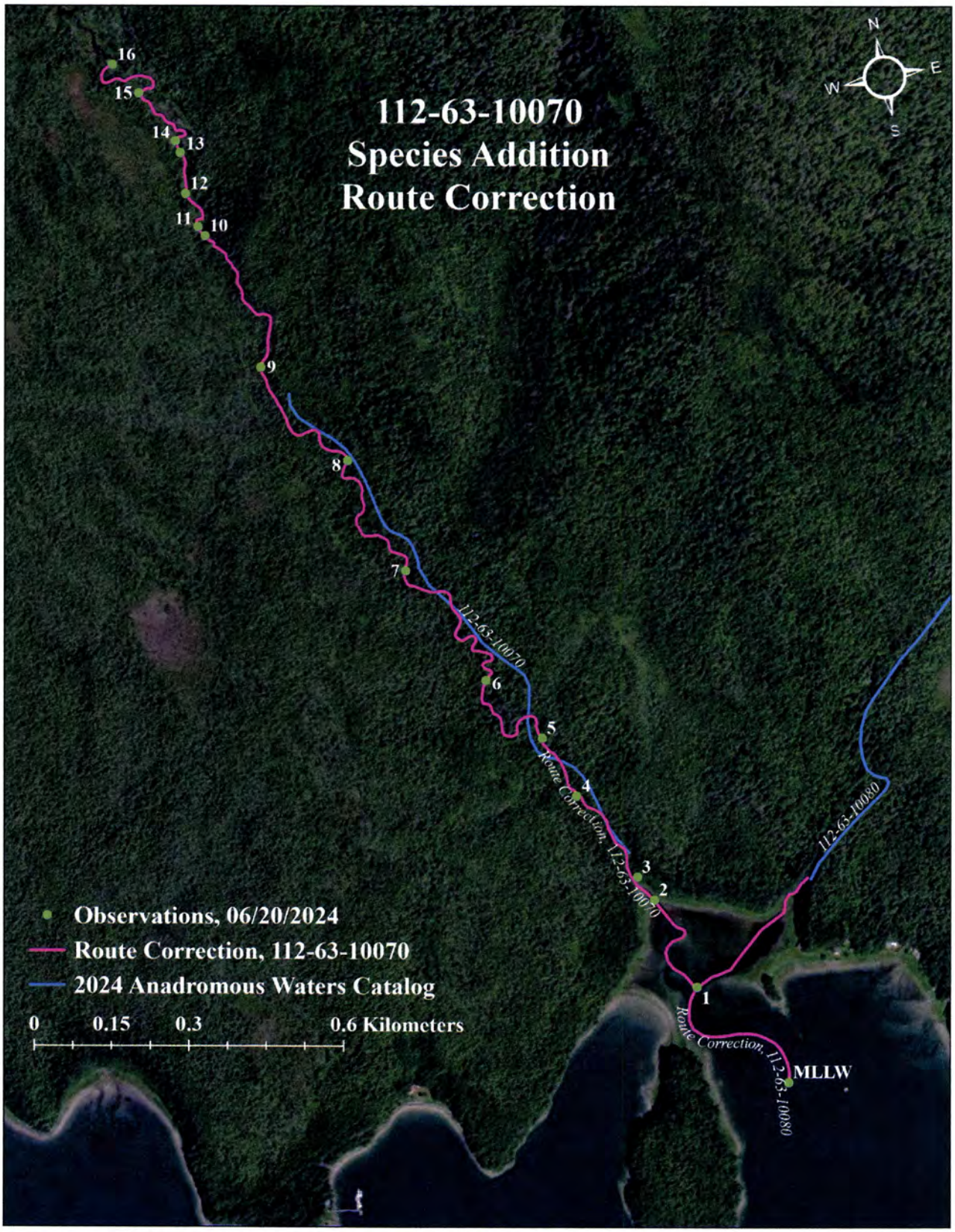
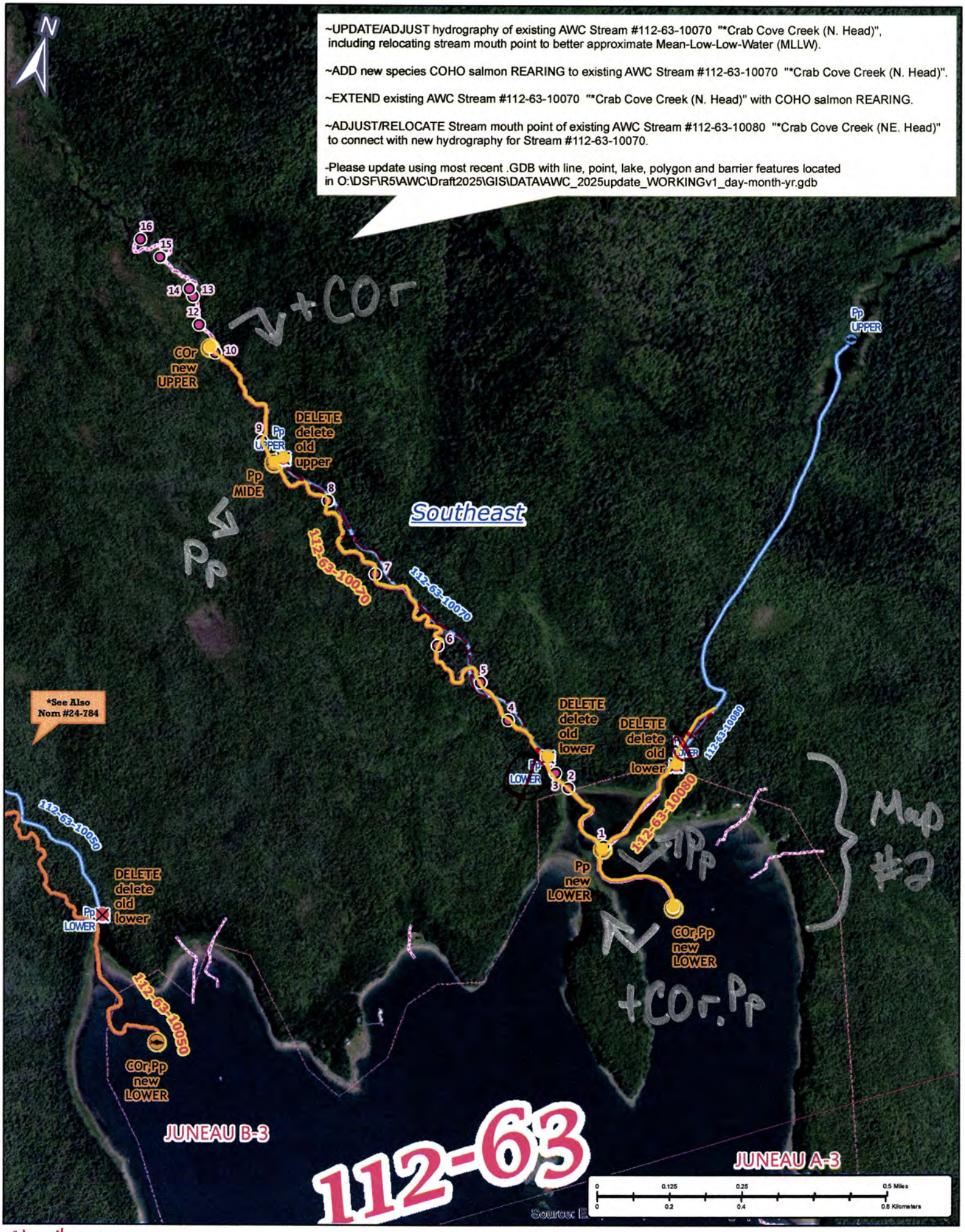


Figure 13.- A map of 112-63-10070 showing observation locations and route corrections.



Nom #24-790

Map #1

Nom #24-790

Map #2