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: 112-63-10050

Name of Water Body: *Coot Cove Creek ☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For Office Use

Nomination #	24-784	Adam Reimer	7-10-2024
		Fisheries Scientist	Date
Revision Year:	2025	Ryan Benkert	7/18/2024
		Habitat Operations Manager	Date
Revision to:	☑ Atlas		
	☑ Catalog	AWC Project Biologist	24 June 2024 Date
Revision Code:	C-9, B-1		7/23/2024
		GIS Analyst	Date

OBSERVATION INFORMATION

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

~UPDATE/ADJUST hydrography and relocate stream mouth point location to better approximate MLLW of existing AWC Stream #112-63-10050 "*Coot Cove Creek".

~ADD new species COHO salmon REARING to existing AWC Stream #112-63-10050 "*Coot Cove Creek".

Comments:

Observation locations, notes, and photos in attached pdf, geospatial data in attached zipfiles.
Coordinates (Lat,Long): Upper(58.266578,-134.912505) Lower(58.256350,-134.906947)

Name of Observer (please print): Mark Hieronymus

Signature: 10.231.39.10 (Web Nomination) Date: 06/11/2024

Agency: Trout Unlimited - AK

Address: PO Box 20881

Juneau, AK 99802

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____

Name of Area Biologist (please print):

Revision 3/16

112-63-10050

Species Addition / Route Correction

Water Body Name: *Coot Cove Creek
Species & Lifestage Observed: COr, CTp, DVp
Observation Date: 06/06/2024
Observers: Mark Hieronymus, Savannah Brusett, Lydia Krauss

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

Observations: We walked this stream from its saltwater terminus to a point ~1.5km upstream with a GPS, and observed and captured juvenile coho salmon with hand nets and minnow traps. We also captured cutthroat trout, Dolly Varden, and sculpins (species unidentified) in minnow traps. During the course of observations, comparison of the 2024 Anadromous Waters Catalog arc and our field-verified stream path for 112-63-10050 suggests a route correction is needed. Observation locations and notes are in Table 1, fish and stream photos and a map showing observation locations and route correction are in Figures 1-12.

Table 1.- 112-63-10050 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
1	58.256350	-134.906947	6/6/24 112-63-10050 *Coot Cove Ck. Obs: MH LK SB 8:35am 100% OVC, R- H20 Temp: 9.7°C, strongly tannic. Tide: -3.49 @ 7:45am (Stn 9452210) Approx MLLW based on beach gradient, tide stage observation. Start of US obs.		
2	58.259312	-134.908141	Several juvenile coho salmon observed here, one captured in hand net. In mid-meadow reach, ~50m US of tideflat. Stream is 2-3m wide, 2-15cm deep, substrate is cobble/boulder with gravel interspersed, gradient 2-3%.	VI HN	4-6 CO 1 CO
3	58.259635	-134.908103	Several juvenile coho salmon observed here, 2 hand-netted.	VI HN	6-10 CO 2 CO
4	58.260070	-134.908834	1 Minnow trap set here, 4hr45min soak, 2 CT 1 Sculpin, species not identified.	MT	2 CT 1 Sculpin
5	58.260274	-134.909176	2 juv coho hand-netted here. Stream characteristics continue.	HN	2 CO
6	58.260731	-134.909841	2 juv coho hand-netted here. Gradient now 1-2%, substrate gravel with cobble and occasional boulder, more LWD in stream. More pools than riffles, Lots of moss on substrate/submerged wood. Tannic water hindering fish spotting, H_2O visibility <50cm.	HN	2 CO
7	58.261447	-134.909871	1 MT set here, 3hr45min soak, 1 CT 1 DV 1 CO and 5 Sculpin.	MT	1 CT 1 DV 1 CO 5 Sculpin

Table 1.- 112-63-10050 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
8	58.261927	-134.909637	2 juv coho hand-netted here. Stream characteristics continue.	HN	2 CO
9	58.262437	-134.910399	1 juv coho hand-netted here.	HN	1 CO
10	58.262852	-134.910606	Stream flattens out, gradient now <1%. Stream 1-2m wide. Long, slow pools 20-50cm deep, substrate gravel with some sand. Incised 50cm-1.5m. Lots of LWD, some spanning logs and cutbanks.		
11	58.262898	-134.911016	1 juv coho hand-netted here.	HN	1 CO
12	58.26334	-134.911534	1 MT set here, 2hr25min soak, 3 CT and 9 CO. CO appear to be age 1+.	MT	3 CT 9 CO
13	58.264587	-134.912446	2 juv coho hand-netted here.	HN	2 CO
14	58.265622	-134.912458	1 MT set here, 1hr45min soak, 4 CT and 16 CO.	MT	4CT 16 CO
15	58.265977	-134.91252	1 juv coho hand-netted here. Stream characteristics continue.	HN	1 CO
16	58.265951	-134.91269	1 CT hand-netted here.	HN	1 CT
17	58.266231	-134.912865	Active beaver dam here, ~4m wide, ~40-50cm high, some sticks with leaves still on. Water overtopping along width. 1 MT set on US side of dam, 1hr5min soak, 1 CT and 4 CO. All CO appear age 1+.	MT	1 CT 4 CO
18	58.266578	-134.912505	Beaver dam here, ~4m wide, 50-70cm high, water overtopping in a few spots. Upstream of dam, channel is too deep/wide to hand net, and we're out of traps. End of US obs.		

Figure 1.- Looking upstream at the intertidal portion of 112-63-10050 from waypoint 1.

Figure 2.- Juvenile coho salmon netted at waypoint 2.

Figure 3.- Looking downstream from waypoint 2 at short meadow reach and tide flat.

Figure 4.- Looking upstream from waypoint 2 towards end of meadow reach.

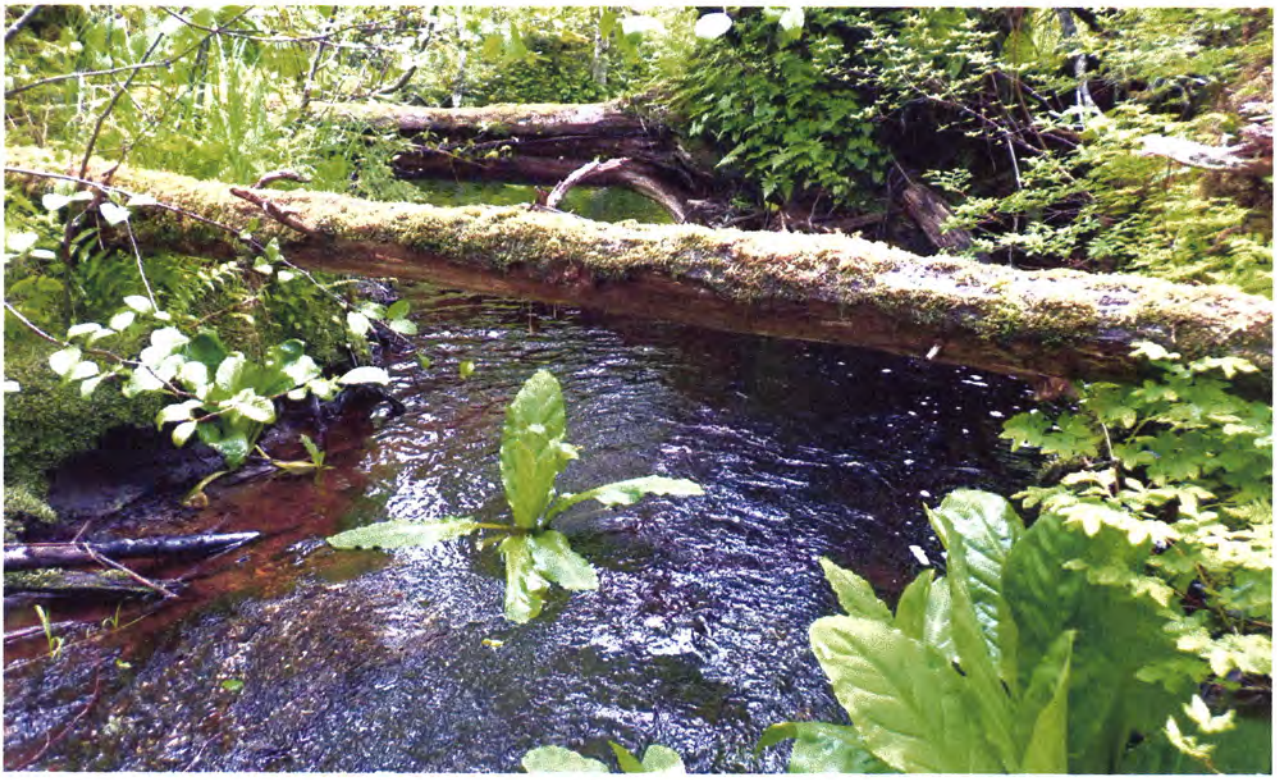


Figure 5. Downstream view from waypoint 10 showing general stream characteristics in this reach.

Figure 6.- Upstream view from waypoint 10 showing general stream characteristics in this reach.

Figure 7.- Juvenile coho captured in a minnow trap set at waypoint 12.

Figure 8.- Looking upstream towards beaver dam at waypoint 17.

Figure 9.- Juvenile coho captured in a minnow trap set ~10m upstream of beaver dam at waypoint 17.

Figure 10.- Looking upstream towards beaver dam at waypoint 18.

Figure 11.- Looking downstream from waypoint 18 at general stream characteristics in this reach.

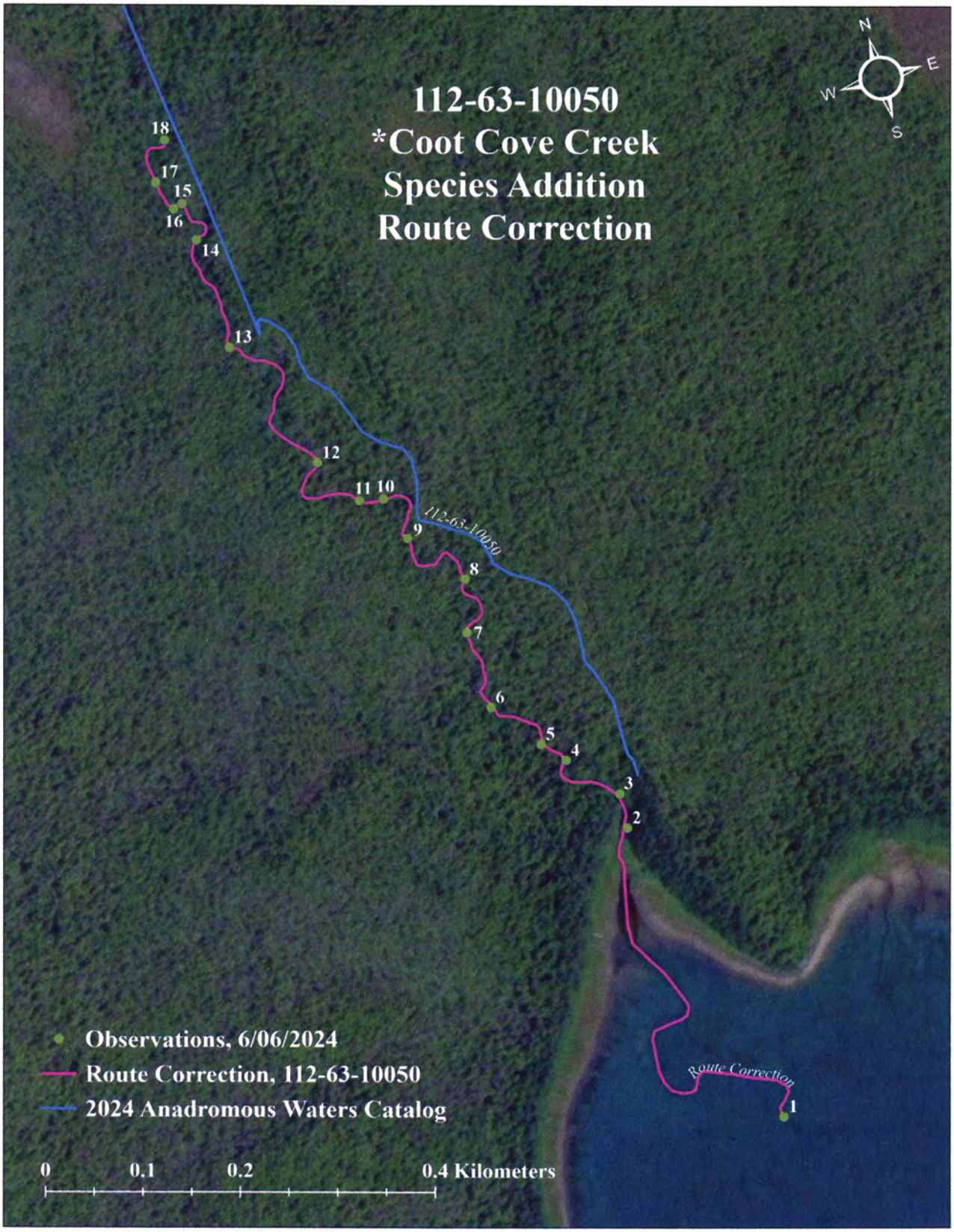


Figure 12.- Map of 112-63-10050 showing observation locations and route correction.

From: Mark Hieronymus
To: Giefer, Joe (DFG)
Subject: Re: Nom #24-784 Coot Cove Creek (#112-63-10050) Beaver Dam?
Date: Friday, June 21, 2024 10:21:02 AM
Attachments: Outlook-zpcqmrht.png

CAUTION: This email originated from outside the State of Alaska mail system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Joe -
Sorry for the tardy reply, I was out in the field all day yesterday with volunteers catching little cohos in the next creek over from Coot Cove.

I absolutely believe coho make it over that dam and into the upper reach. The base pool was hip-deep in places, and the dam was less than 1.25x jump pool depth. That, coupled with yesterdays observations in a strikingly similar creek less than a mile to the east - in which we found coho far above the current upper end of its AWC arc, and past several similar beaver dams - lead me to believe there is coho use above the dam on 112-63-10050.

MH

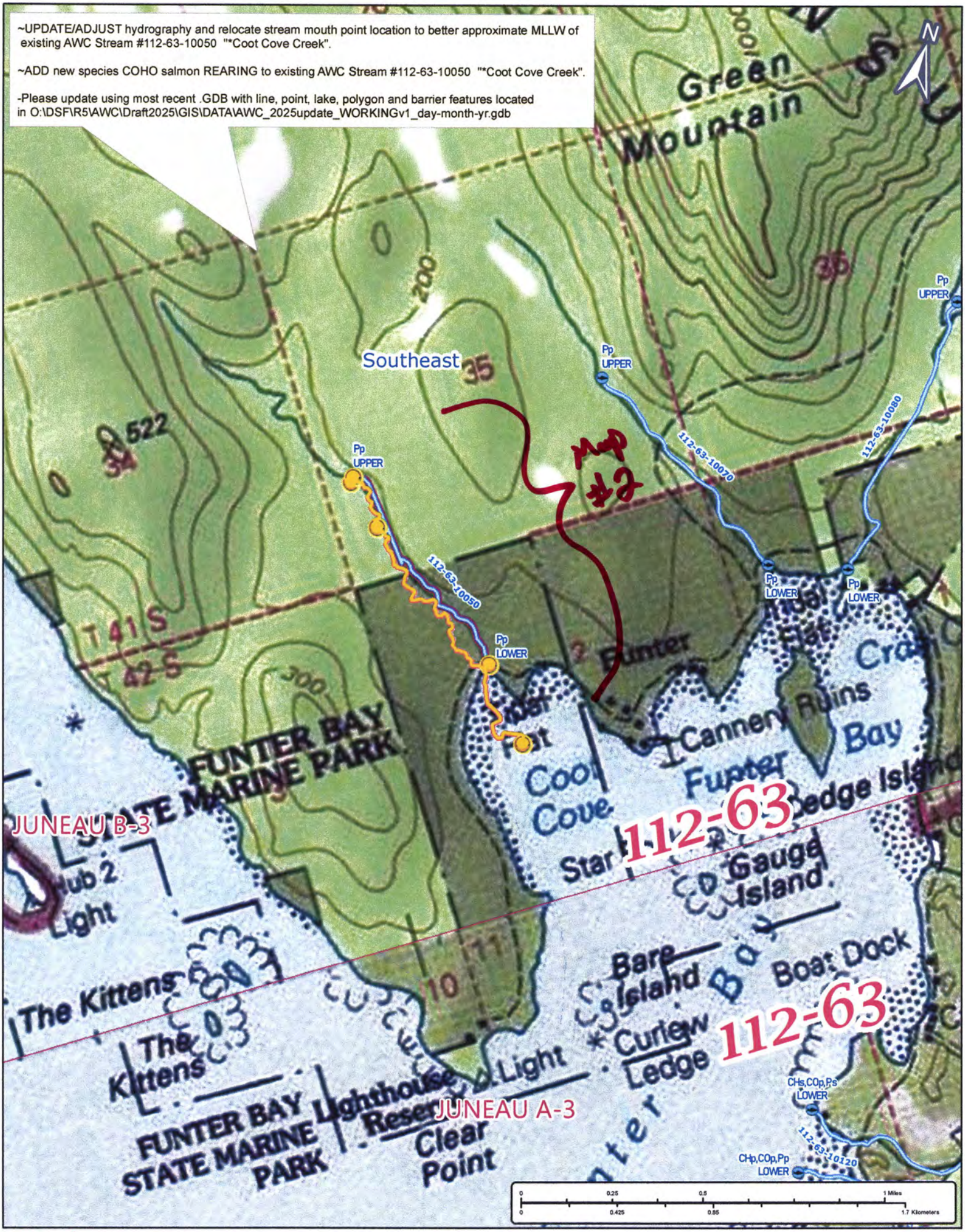
Mark Hieronymus
Community Science Coordinator
Trout Unlimited, Alaska Program
mark.hieronymus@tu.org

From: Giefer, Joe (DFG) <joe.giefer@alaska.gov>
Sent: Wednesday, June 19, 2024 3:13 PM
To: Mark Hieronymus <Mark.Hieronymus@tu.org>
Subject: Nom #24-784 Coot Cove Creek (#112-63-10050) Beaver Dam?

Hi Mark,

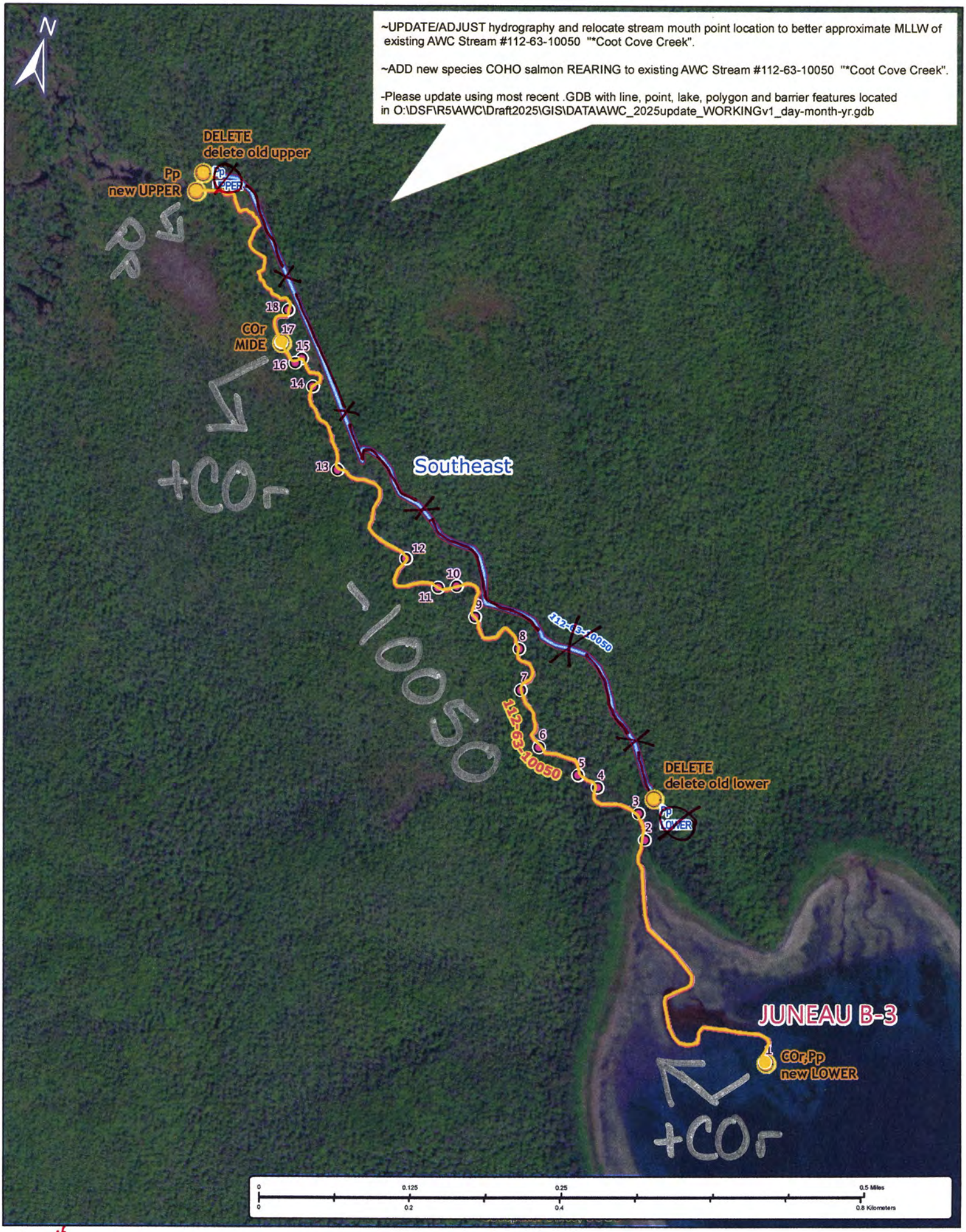
So this stream was already in the AWC for Pinks, but is unsubstantiated; meaning legacy data, no actual nom, probably based on old aerial surveys. Do you think anything is moving upstream of the beaver dam or should I shorten the current upper extent to that location? Beaver dam's don't get listed as barriers so it could always be extended again if fish were observed, but the reality is you have made the most precise ground obs for this water body.

Regards,



Nom # 24-784

Map #1



Dnr #24-784

Map #2