



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 112-63-10080 (-0010)

Name of Water Body \*Crab Cove Creek (NE Head)

☐ USGS Name ☒ Local Name

☒ Addition

☐ Deletion

☒ Correction

☐ Backup Information

For Office Use

Nomination # <u>24-813</u>	<u>Adam Keim</u> Fisheries Scientist Date <u>9-9-2024</u>
Revision Year: <u>2025</u>	<u>Ron Benkert</u> Habitat Operations Manager Date <u>9/9/2024</u>
Revision to: <input checked="" type="checkbox"/> Atlas <input checked="" type="checkbox"/> Catalog	<u>Joseph Lifer</u> AWC Project Biologist Date <u>21 Aug 2024</u>
Revision Code: <u>C-9, B-1, A-2</u>	<u>P. C.</u> GIS Analyst Date <u>9/12/2024</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/15/2024		✓		✓
cutthroat trout	08/15/2024			✓	
Dolly Varden	08/15/2024			✓	

~UPATE/ADJUST upper hydrography segment of existing AWC Stream #112-63-10080 "\*\*Crab Cove Creek (NE Head)".

~ADD new species COHO salmon REARING and PRESENT to existing AWC Stream #112-63-10080 "\*\*Crab Cove Creek (NE Head)".

~ADD new AWC Lake #112-63-10080-0010 with COHO salmon REARING.

*\*Updates in this nomination supersede and combine with updates found in #24-790.*

Observation locations, notes, and photos in attached pdf, geospatial data in attached zipfiles. This nomination includes additional information on presence of facultative anadromous species (DV, CT).

Coordinates (Lat,Long): Upper(58.267761,-134.867196) Lower(58.259220,-134.880125)

Name of Observer (please print):

Mark Hieronymus

Signature:

10.231.39.10 (Web Nomination)

Date: 08/21/2024

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: \_\_\_\_\_

Revision 3/16

Name of Area Biologist (please print): \_\_\_\_\_



## 112-63-10080

## Species Addition / Route Correction

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

**HUC12:** 190103010716

**Species & Lifestage Observed:** CO

**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 1 MT	3 CO 1 DV No Fish
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.

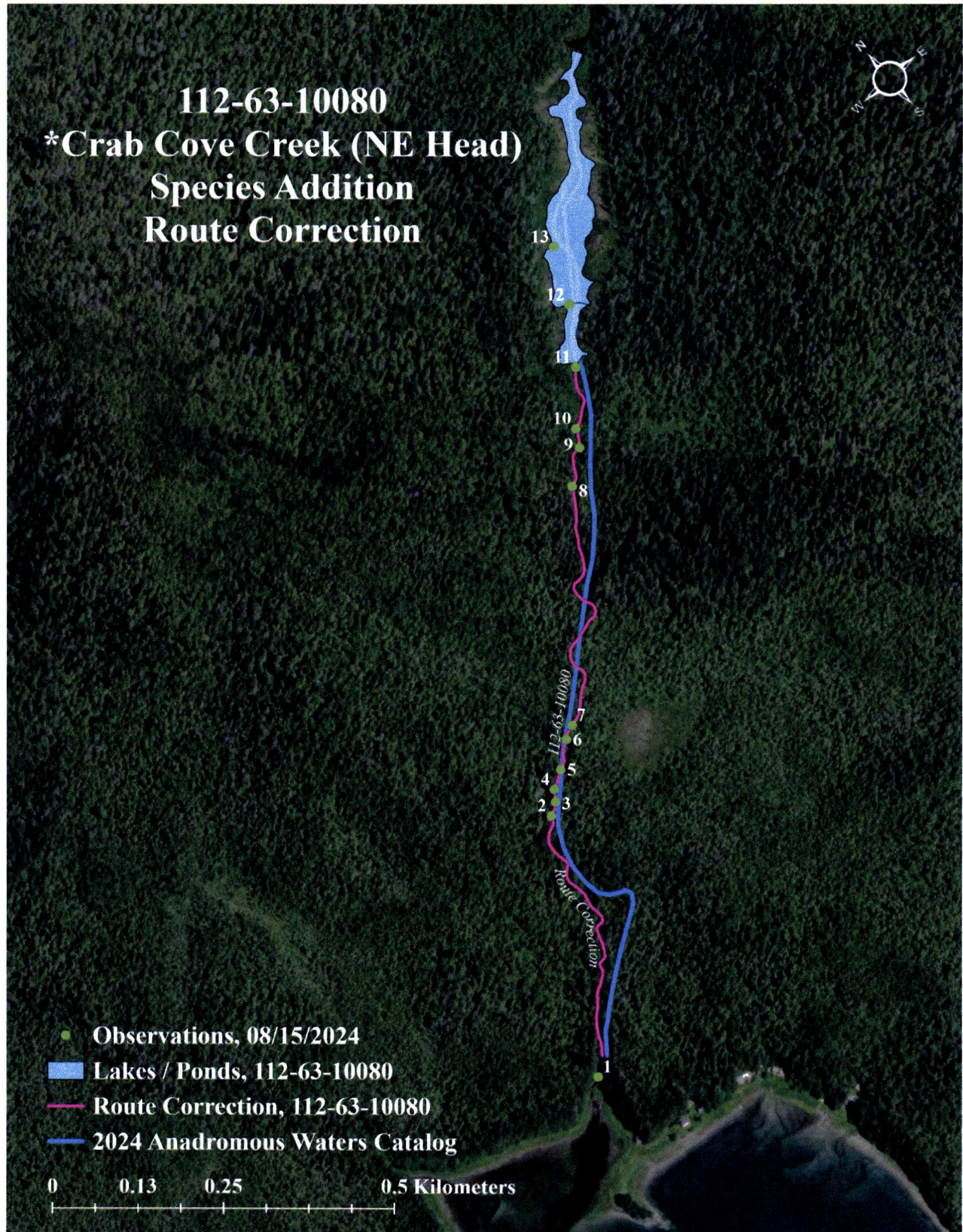
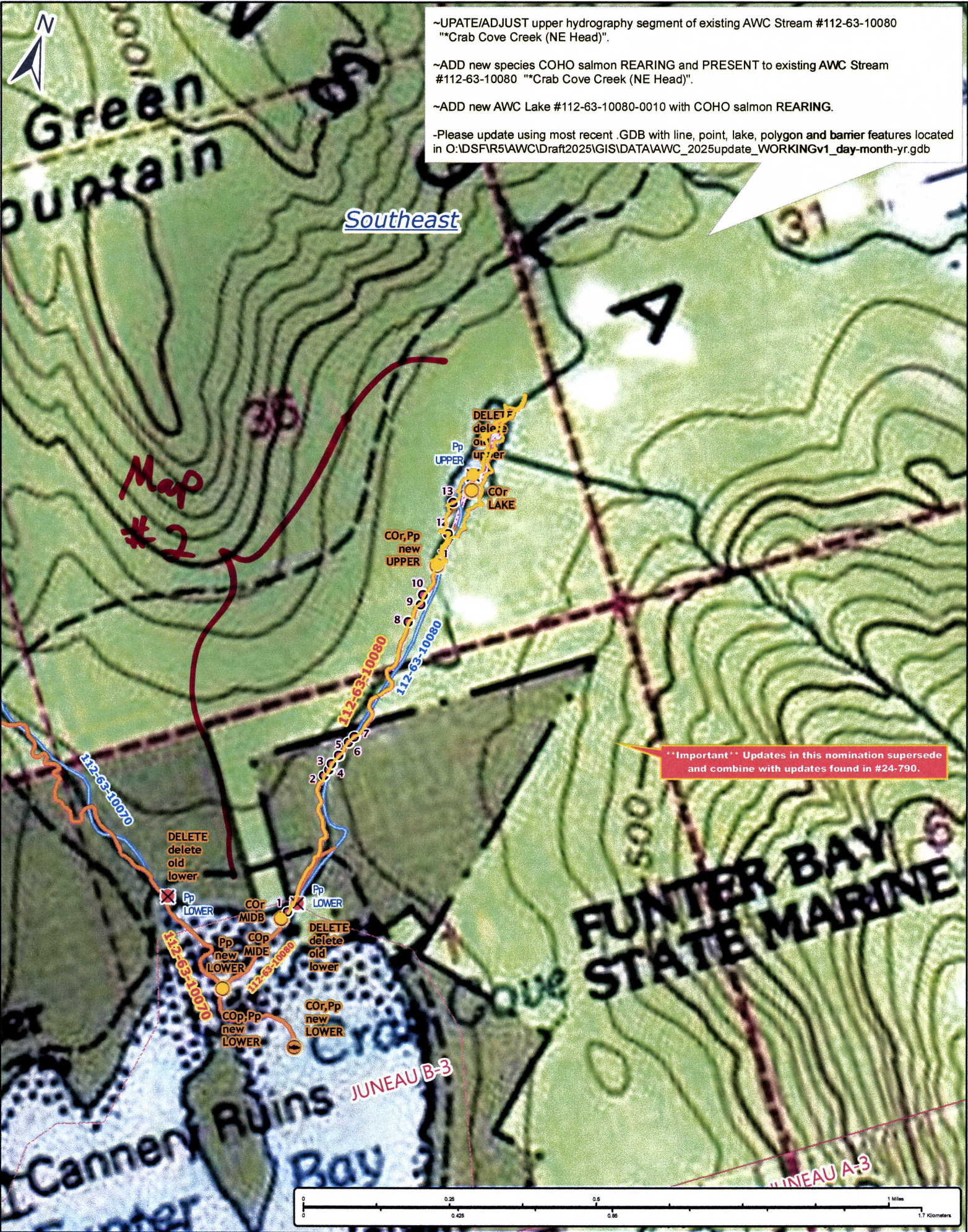


Figure 7.- A map of 112-63-10080 showing observation locations and route correction.



~UPATE/ADJUST upper hydrography segment of existing AWC Stream #112-63-10080  
""Crab Cove Creek (NE Head)".

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~ADD new AWC Lake #112-63-10080-0010 with COHO salmon REARING.

-Please update using most recent .GDB with line, point, lake, polygon and barrier features located  
in O:\DSFR5\AWC\Draft2025\GIS\DATA\AWC\_2025update\_WORKINGv1\_day-month-yr.gdb

**\*\*Important\*\*** Updates in this nomination supersede  
and combine with updates found in #24-790.

Nom #24-813

Map #1

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Add Lake  
-10080-0010  
+COR

DELETE  
delete  
old  
upper

COR  
LAKE

112-63-10080-0010

COR:Pp  
new  
UPPER

+COR, Pp

Southeast

-10080

112-63-10080

112-63-10080

+COR

DELETE  
delete  
old  
lower

COR  
MIDB

COR  
MIDE

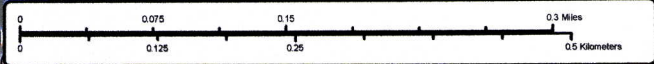
COR:Pp  
new  
LOWER

Pp  
new  
LOWER

JUNEAU B-2

+COP

**\*\*Important\*\*** Updates in this nomination supersede  
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Now #24-813

Map #2

~UPATE/ADJUST upper hydrography segment of existing AWC Stream #112-63-10080  
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Add Lake

-10080-0010  
+COR

JUNEAU B-3

DELETE  
delete  
old  
upper



COR  
LAKE

112-63-10080-0010

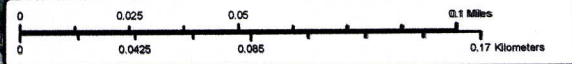
+COR-Pe  
K

112-63-10080

COR-Pp  
new  
UPPER

\*\*Important\*\* Updates in this nomination supersede  
and combine with updates found in #24-790.

Southeast



Mapar Products, Inc.  
Geospatial Office, U

Nom #24-813

Map #3