State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southeastern

USGS Quad(s): JUNEAU C-4

Anadromous Waters Catalog Number of Water Body: 115-10-10420 (-2005) (-2007)

Name of Water Body: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information

For Office Use

Nomination #: **24-781**

Revision Year: 2025

Revision to: ☑ Atlas ☑ Catalog

Revision Code: D-1, E-9, C-9, A-2, A-2d
B-1

Adam Reimer — Fisheries Scientist	6-19-2024 — Date
Ron Benkert — Habitat Operations Manager	6-19-2024 — Date
AWC Project Biologist	5 June 2024 — Date
GIS Analyst	4/19/2024 — Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Dolly Varden	05/15/2024			✓	✓
coho salmon	05/15/2024		✓		✓
pink salmon	05/15/2024		✓		✓

~SHORTEN current upper reach of existing AWC Stream #115-10-10420. ~ Update upper hydrography of existing AWC stream #115-10-10420.

~ADD new BARRIER above new upper extent of existing AWC Stream #115-10-10420.

~ADD new species DOLLY VARDEN PRESENT to existing AWC Stream #115-10-10420.

~ADD new AWC Stream #115-10-10420-2005 with COHO salmon REARING.

~ADD new AWC Stream #115-10-10420-2007 with COHO and PINK salmon REARING.

Nomination includes route correction, DV addition, tributary additions, and barrier information for 115-10-10420. Observation locations, notes, and photos in attached pdf, geospatial data in attached zipfiles.
Coordinates (Lat,Long): Upper(58.622513,-135.257393) Lower(58.622268,-135.231257)

Name of Observer (please print): Mark Hieronymus

Signature: 10.231.39.10 (Web Nomination) Date: 05/17/2024

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):

115-10-10420

Species/Waters Addition / Route Correction

Water Body Name:
Species & Lifestage Observed: DVp, COr, Pp
Observation Date: 05/15/2024
Observers: Mark Hieronymus, Kevin Maier, Ed Neal

HUC12: 190103010705
MTR: C037S062E / C037S061E
Quad: Juneau C-4 SW

Observations: We walked this stream with GPS from approximately 250 meters above tidal influence to a point approximately two kilometers upstream. We ended upstream observations at a probable barrier to anadromy (Waypoint 3, Figure 2.). During a downstream snorkel, we encountered and video-documented two anadromous Dolly Varden. We also walked two previously unlisted tributaries of 115-10-10420 with a hand net and captured juvenile coho and pink salmon. During the course of observations, comparison of our GPS-derived stream line and the 2023 AWC arc for 115-10-10420 suggests a route correction is needed for the reach between the end of observations noted in nomination #23-788 and the upstream end of our observations. Observation locations and notes are in Table 1, fish and feature photos and a map showing observation locations, waters additions, and route correction are in Figures 1-10.

Table 1.- 115-10-10420 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
1	58.622268	-135.231257	5/15/24. ~9am. 115-10-10420. Obs: MH, KM, EN 100% OVC, R-. H20 Temp: 2.5°C, slight tannic tint to flow. Start of US obs.		
2	58.624921	-135.234501	1 DV hooked/lost here, 16"-18". On DS Snorkel, 2 DV video'd in run, size and appearance (absence of parr marks, clear fins, silvery rays on caudal) strongly suggest anadromy in recent life history.	Hook/Line Video	1 DV (anad) 2 DV (anad)
3	58.622513	-135.257393	2-step fall here, appears to be barrier to anadromy. Feature is 13.6m tall over 22m run. Pool at base appears ~3-4m deep, unable to snorkel close enough to measure. No way to observe 2nd fall pool. End of US obs, start of DS Snorkel obs.		
4	58.623642	-135.232286	River right trib enters in meadow, about a dozen juvenile CO seen in first few meters of trib.	Visual	10-12 CO
5	58.623291	-135.234666	Up RR trib noted in wpt 4, in what appears to be a hyporheic pool - stream re-emerges ~25m DS and continues to confluence as surface flow over gravel. US channel has grass/muck, no surface flow at this water level. 2 CO and 2 P fry captured with hand net. End of US obs on this trib.	Hand net	2 CO 2 P

*Observations at Wpts 4 & 5 relate to new AWC #115-10-10420-2007.

Table 1.- 115-10-10420 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
6	58.620251	-135.231290	Another river right trib enters in meadow here. Crossing this trib earlier ~75m US of confluence, multiple juvenile CO were seen. Substrate is gravel/cobble, incised 50cm-1m, width 1-3m.	Visual	25-30 CO
7	58.622666	-135.234970	Lots of juvenile CO and stickleback seen in this trib, last US fish sighting here. 3 CO captured with hand net in off-channel pool, larger one appears age 1+ and "smolty". General stream characteristics from lower portion end here - elevation rises over several steps and deep pools, and stream emerges from wet seep in meadow ~50m US of this wpt. End of US obs on this trib, time constraints necessitate stoppage of obs for the day.	Visual Hand Net	~100 CO, ~25 STB 3 CO

*Observations at Wpts 6 & 7 relate to new AWC #115-10-10420-2005.

Figure 1.- One of two Dolly Varden char from waypoint 2. Size and appearance of both fish strongly suggest anadromy in recent life history.

Figure 2.- 13.6m probable barrier to anadromy at waypoint 3.

Figure 3.- Juvenile coho salmon captured in a previously unlisted tributary at waypoint 5.

Figure 4.- Juvenile pink salmon captured in a previously unlisted tributary at waypoint 5.

Figure 5.- Looking upstream at waypoint 5 showing emergence of flow at this water level and "dry" surface channel upstream.

Figure 6.- Three juvenile coho salmon (Two YoY and one age 1+) captured in a previously unlisted tributary at waypoint 7.

Figure 7.- Closeup of coho YoY captured at waypoint 7.

Figure 8.- Looking downstream from waypoint 7 showing off-channel pool where fish were captured as well as stream channel and general characteristics.

Figure 9.- Looking upstream in main channel at pools and grass steps from near waypoint 7. Red arrow indicates stream emergence from seep.

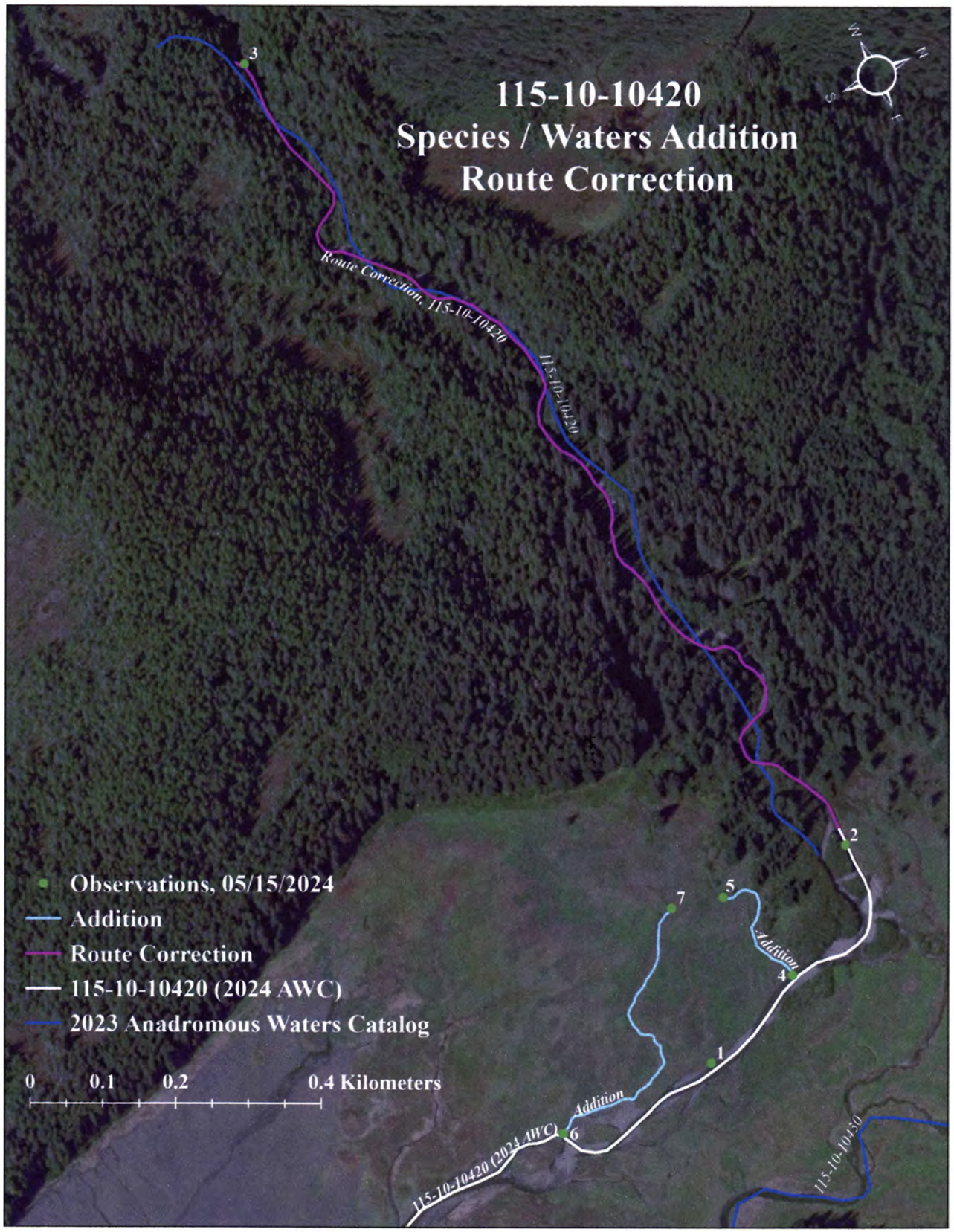
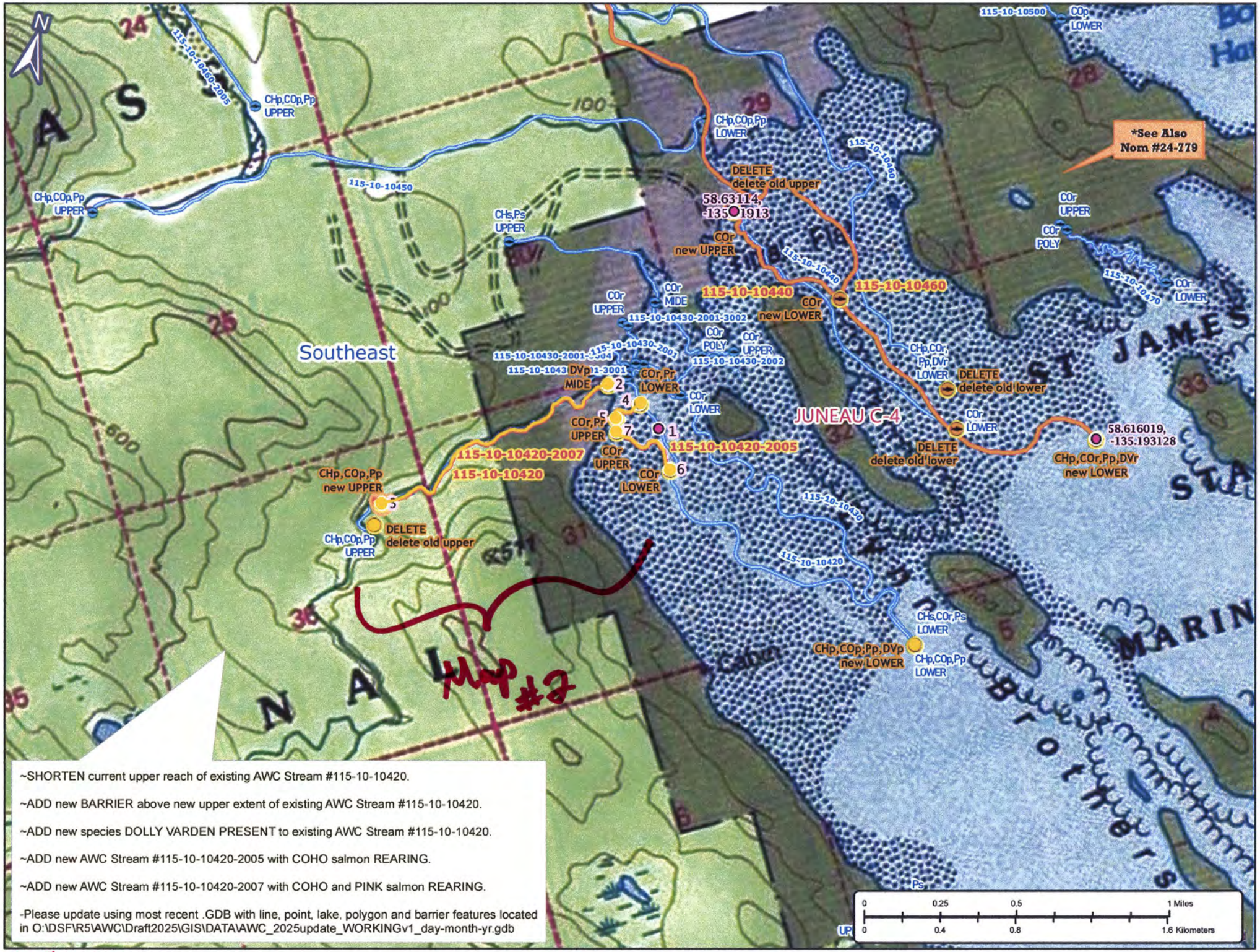


Figure 10.- A map of 115-10-10420 showing observation locations, waters additions, and route correction.



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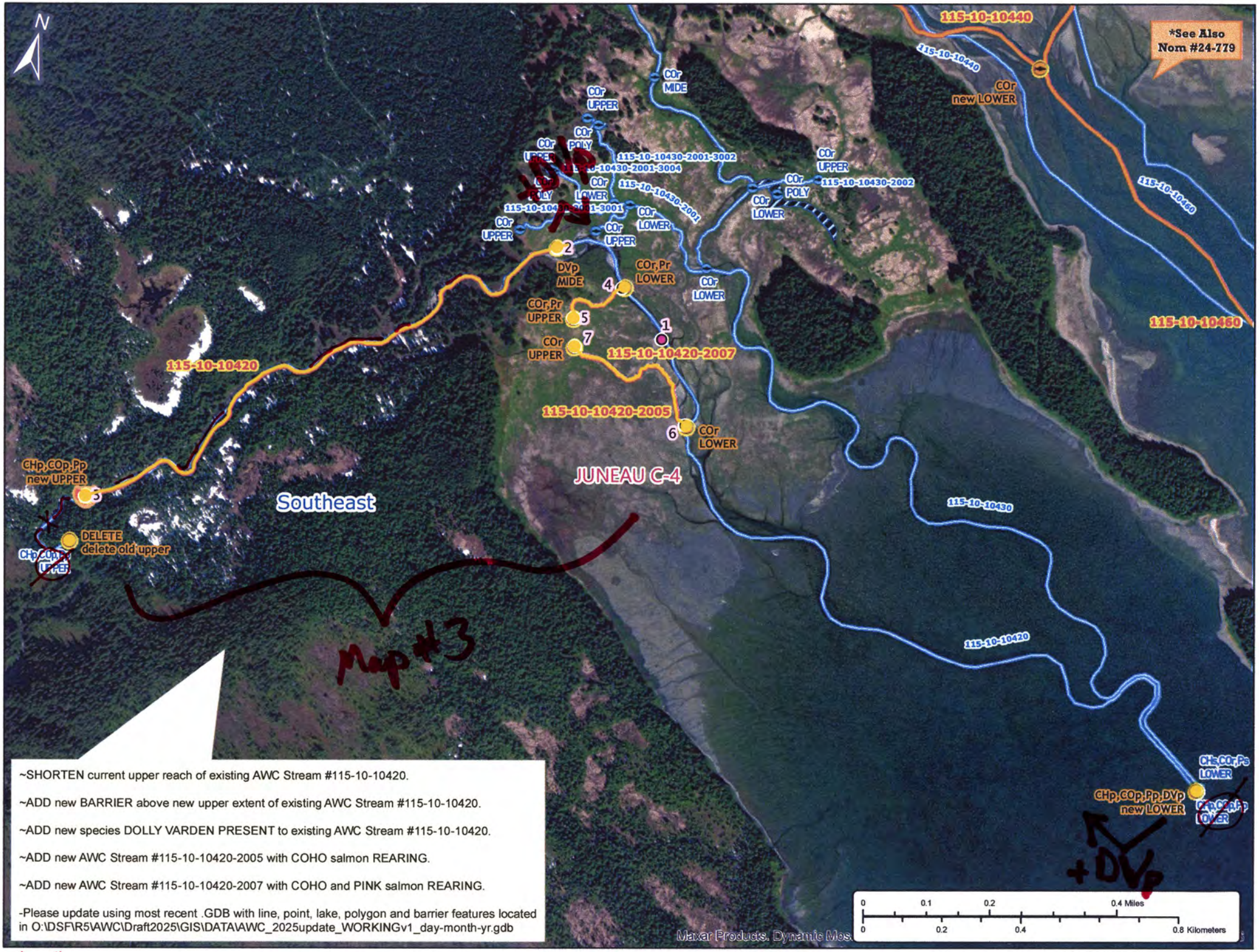
-Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DSF\R5\AWC\Draft2025\GIS\DATA\AWC_2025update_WORKINGv1_day-month-yr.gdb

Nom #24-781

Map #1



Nom #24-781

Map #2

Nom #24-781

Map #3