State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southeastern

USGS Quad(s): TAKU RIVER A-6

Anadromous Waters Catalog Number of Water Body: 111-33-10100-(-2003)(-0010,-0020)(-3004)(-0010)(-3008)(-0010)(-3012)(-0010;-0030;-0030)(-4004)(-0010)

Name of Water Body: *Bug Creek ; Prospect Creek

☐ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	24-785	Adam Reimer	7-10-2024
		Fisheries Scientist	Date
Revision Year:	2025	Ron Benkert	7/8/2024
		Habitat Operations Manager	Date
Revision to:	☑ Atlas		
	☑ Catalog	AWC Project Biologist	20 June 2024 Date
Revision Code:	B-1, A-2, A-2d	P.C	7/17/2024
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/13/2024		✓		✓
chum salmon	06/13/2024		✓		✓
cutthroat trout	06/13/2024			✓	✓
Dolly Varden	06/13/2024			✓	

~See following page for Nomination instructions.

Comments:

Observation locations, notes, and photos in attached pdf, geospatial data in attached zipfiles.
Coordinates (Lat,Long): Upper(58.062845,-133.834768) Lower(58.052477,-133.820929)

Name of Observer (please print): Mark Hieronymus

Signature: 10.231.39.10 (Web Nomination) Date: 06/18/2024

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):

MAP #2 ✓ ~ADD new species CUTTHROAT trout PRESENT to existing AWC Stream #111-33-10100 "Prospect Creek" ✓

MAP #3 ✓ ~ADD new AWC Stream #111-33-10100-2003 "***Bug Creek**" with CHUM and COHO salmon REARING and CUTTHROAT trout PRESENCE and REARING. ✓

MAP #8 ✓ ~ADD new AWC Lake #111-33-10100-2003-0010 with COHO salmon REARING and CUTTHROAT trout REARING. ✓

MAP #8 ✓ ~ADD new AWC Lake #111-33-10100-2003-0020 with COHO salmon REARING. ✓

MAP #4 ✓ ~ADD new AWC Stream #111-33-10100-2003-3004 with CHUM and COHO salmon REARING. ✓

MAP #4 ✓ ~ADD new AWC Lake #111-33-10100-2003-3004-0010 with COHO salmon REARING. ✓

MAP #5 ✓ ~ADD new AWC Stream #111-33-10100-2003-3008 with COHO salmon REARING. ✓

~ADD new AWC Lake #111-33-10100-2003-3008-0010 with COHO salmon REARING. ✓

✓ ~ADD new AWC Stream #111-33-10100-2003-3012 with COHO salmon REARING. ✓

✓ ~ADD new AWC Lake #111-33-10100-2003-3012-0010 with COHO salmon REARING. ✓

MAP #6 ✓ ~ADD new AWC Lake #111-33-10100-2003-3012-0020 with COHO salmon REARING. ✓

✓ ~ADD new AWC Lake #111-33-10100-2003-3012-0030 with COHO salmon REARING. ✓

MAP #7 ✓ ~ADD new AWC Stream #111-33-10100-2003-3012-4004 with COHO salmon REARING. ✓

~ADD new AWC Lake #111-33-10100-2003-3012-4004-0010 with COHO salmon REARING. ✓

~ADD new AWC Stream #111-33-10100-2003-3020 with COHO salmon REARING. ✓

*Highlight colors above correspond to specific observations on data sheet.

Tributary of 111-33-10100

Waters Addition

Water Body Name:
HUC12: 190102060705
Species & Lifestage Observed: COr, CHr, CTp
MTR: C044S071E
Observation Date: 06/13/2024
Quad: Taku River A-6 SE/SW
Observers: Mark Hieronymus, Matt Boline, Jeff Lund

Observations: We walked this unlisted tributary of 111-33-10100 from its confluence to a point ~1.7km upstream with a GPS. We observed and captured juvenile coho salmon, juvenile chum salmon, cutthroat trout, Dolly Varden char, and sticklebacks with hand nets and minnow traps. Two of the cutthroat trout had a markedly silver appearance and unpigmented fins – their appearance coupled with the lack of barriers to passage between the capture point and salt water strongly suggest anadromy in their recent life history. Observation locations and notes are in Table 1, fish and feature photos and a map showing waters additions, lakes and ponds, and observation locations are in Figures 1-13.

Table 1.- Tributary of 111-33-10100 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
1	58.052477	-133.820929	6/13/24 RR Trib of 111-33-10100 (Prospect Ck). Obs: MH JL MB. 9am. 50% Hi Thin OVC, good light. Trib H20 Temp: 9.1°C, very slight tannin stain. At Conf, trib is 12-13m wide, 20cm at thalweg, substrate is gravel/pea gravel, low (<1%) gradient. Start of upstream obs.		
2	58.053055	-133.822829	15-20 chum salmon fry here, 1 netted.	VI HN	15-20 CH 1 CH
3	58.053807	-133.823968	25-30 chum fry here, 3 netted.	VI HN	25-30 CH 3 CH
4	58.055451	-133.826357	30-40 juvenile salmon here, 8 chum fry and 5 juvenile coho netted. Small (30mx50m) embayment on river right with trib flowing in at head. Headed up trib.	HN HN	8 CH 5 CO
5	58.055899	-133.826696	Trib necks down here, 1m wide, 6-10cm deep, substrate is pea gravel/fines. Lots of grass in channel. 8-10 juv coho here, 2 netted.	VI HN	8-10 CO 2 CO
6	58.056368	-133.826982	Small (~40mX10m) pond here, 30-50cm deep. 100+ juv coho, ~15 stickleback here, 6 CO netted.	VI VI HN	100+ CO ~15 STB 6 CO
7	58.057194	-133.827236	At end of pond inflow, stream hyporheic US of here at this water level. Thick grass in channel hindered obs, but many juvenile fish seen in stream between pond and here. 2 juv CO netted here - end of US obs on this trib, headed back to mainstem.	HN	2 CO

Table 1.- Tributary of 111-33-10100 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
8	58.057143	-133.828478	Back on mainstem. Stream now 4-7m wide, some pools ~1m deep, slow riffles 10-20cm deep. Gravel substrate - so far, the entire stream has been excellent spawning habitat. 20-25 juv coho here, 2 netted.	HN	2 CO
9	58.057764	-133.829475	40-45 juv coho seen here, a few appear to be age 1+ based on size. 2 CO netted. Another small trib enters here on RL, heading US on trib.	VI HN	40-45 CO 2 CO
10	58.059247	-133.829529	In pond at head of trib - pond is ~150m X ~10m, 20-50cm deep. 50-60 juv coho seen, depth and easy escape is making netting difficult. 2 CO netted, end of US obs on this trib, back to the mainstem.	VI HN	50-60 CO 2 CO
11	58.058319	-133.831473	Back on mainstem. Stream now 3-5m wide, more gravel bars. Gravel substrate and excellent spawning habitat conditions continue. 30-40 juv coho here, 4 netted. Another small trib enters on RL, ~1m wide, gravel sub, some grass in channel. Headed up trib.	VI HN	30-40 CO 4 CO
12	58.059028	-133.831370	In ~20m X 30m pond here, 30-40 juv coho seen, 2 netted. Continuing up inflow.	VI HN	30-40 CO 2 CO
13	58.059584	-133.830719	Through another small (~20m X 5m) pond and up inflow about midpoint on left side looking US. Trib ~1m wide, slow, grass-filled pools with small riffle breaks over gravel substate. Flow forks here - Looking US, right fork has small pond ~15m. 4-5 juv coho seen here, grass hindering netting efforts.	VI	4-5 CO
14	58.059732	-133.830435	In pond at head of right fork noted at wpt 13. Pond is ~25m X 5-15m. 10-15 juv coho seen, 2 netted. Back down to wpt 13 and up left fork.	VI HN	10-15 CO 2 CO
15	58.059915	-133.831043	Up left fork noted at wpt 13 - 50cm-1m wide, 10-15cm deep, LOTS of grass in channel. Slightly wider/deeper here, 3 juv coho seen, 1 netted. Continuing upstream.	VI HN	3 CO 1 CO

Table 1.- Tributary of 111-33-10100 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
16	58.060336	-133.830590	In pond at end of left fork - pond is ~50m X 25m, lots of juvenile stickleback, 20-25 juv coho as well. 2 juv coho netted. End of obs on this trib, back down to mainstem.	VI VI HN	20-25 CO ~75 STB 2 CO
17	58.059383	-133.831864	Back on mainstem. Stream characteristics continue, channel now incised into meadow 50cm-1m. 2 juv coho and 2 chum fry netted here.	HN HN	2 CH 2 CO
18	58.060733	-133.832678	Stream now 2-4m wide, gravel substrate, several undercut banks, mostly on RL side. RL bank incised 1-2m, RR bank 50cm. Lots of alder and willow on banks now, occasional spruce. 8-10 juv coho seen here, 2 netted.	VI HN	8-10 CO 2 CO
19	58.060762	-133.833120	Stream forks here - looking US, left fork is 2-3% at confluence and flows rapidly down an old alluvial fan from a hillside snowmelt channel, gaining gradient as it gets closer to the valley wall. Substrate of this fork is cobble, with some gravel mixed in. close observation of the lower ~50m of this fork revealed little in the way of rearing habitat. Continuing up right fork.		
20	58.060908	-133.833308	Beaver dam here. Dam is ~2.5m wide, <50cm tall, water overtopping in several places. 2 juv coho netted on DS side.	HN	2 CO
21	58.060714	-133.833548	In beaver pond here. Another small beaver dam on this side, <50cm with water overtopping ~5-10cm across the ~1.5m length. 1 minnow trap set here, 2hr40min soak captured 15 juv coho, 3 cutthroat trout, and 1 Dolly Varden char.	MT	15 CO 3 CT 1 DV
22	58.060904	-133.833630	1 MT set ~30m from MT @ wpt 21, near flooded grassy area in pond. 2hr 25min set, 23 juv coho, 3 DV	MT	23 CO 3 DV

Table 1.- Tributary of 111-33-10100 observation locations and notes, continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
23	58.061661	-133.833087	In small pool ~18-20m DS of another beaver dam. Dam appears to stretch SW nearly to valley wall and is heavily vegetated other than the active portion on this channel. Active portion is ~10m wide, ~1.5m tall, with water overtopping in several places. 1 MT set here in pool on DS side of dam, 2hr soak, 4 juv coho, 5 cutthroat, 1 DV, and 1 STB. 2 of the CT have a shiny appearance and unpigmented fins, strongly suggesting anadromy in recent life history.	MT	4 CO 5 CT 1 DV 1 STB
24	58.061678	-133.833487	On US side of BD here, 1 MT set, 1hr 45min soak, no fish - MT rolled down slope into deeper (~3m) water.	MT	No Fish
25	58.062134	-133.834935	1 MT set in ~1m of water here, 1hr 30 min soak, 10 juv coho, 1 CT, 2 STB. Several large (~20-30cm) DV around trap, a few larger CT as well.	MT VI	10 CO 1 CT 2 STB 4 DV 3 CT
26	58.062448	-133.834762	1 MT set at mouth of small inlet stream, barely perceptible flow here. 55min soak, 14 juv coho, 3 DV, 1 STB.	MT	14 CO 3 DV 1 STB
27	58.062845	-133.834768	1 MT set in pool of inlet stream, 50min soak, 15 juv coho, 1 DV, 1 STB. US of this point, stream narrows to <1m, becomes impassible in alder thicket. End of US observations.	MT	15 CO 1 DV 1 STB

Figure 1.- Juvenile chum salmon netted at waypoint 3.

Figure 2.- Juvenile coho salmon netted at waypoint 4.

Figure 3.- Looking SSW (downstream) from waypoint 10 at pond characteristics.

Figure 4.- Looking downstream from just below waypoint 18 at general stream characteristics present between waypoints 17 and 20.

Figure 5.- Looking upstream from just below waypoint 18 at general stream characteristics present between waypoints 17 and 20, 1.9m Jeff L. (foreground) and 1.88 Matt B. for scale.

Figure 6.- Looking upstream at higher-gradient fork (on viewers left) noted at waypoint 19.

Figure 7.- Looking W from waypoint 21 at minnow trap location and general pond characteristics.

Figure 8.- Cutthroat trout captured in a minnow trap at waypoint 23. The silvery appearance and lack of fin pigmentation on the two larger fish strongly suggest anadromy in their recent life history.

Figure 9.- Looking upstream from near waypoint 23 at beaver dam and lake.

Figure 10.- Looking WSW from the point in between waypoints 24 and 25 at general lake characteristics.

Figure 11.- Looking NW from the point in between waypoints 24 and 25 at general lake characteristics.

Figure 12.- Juvenile coho captured in a minnow trap at waypoint 25.

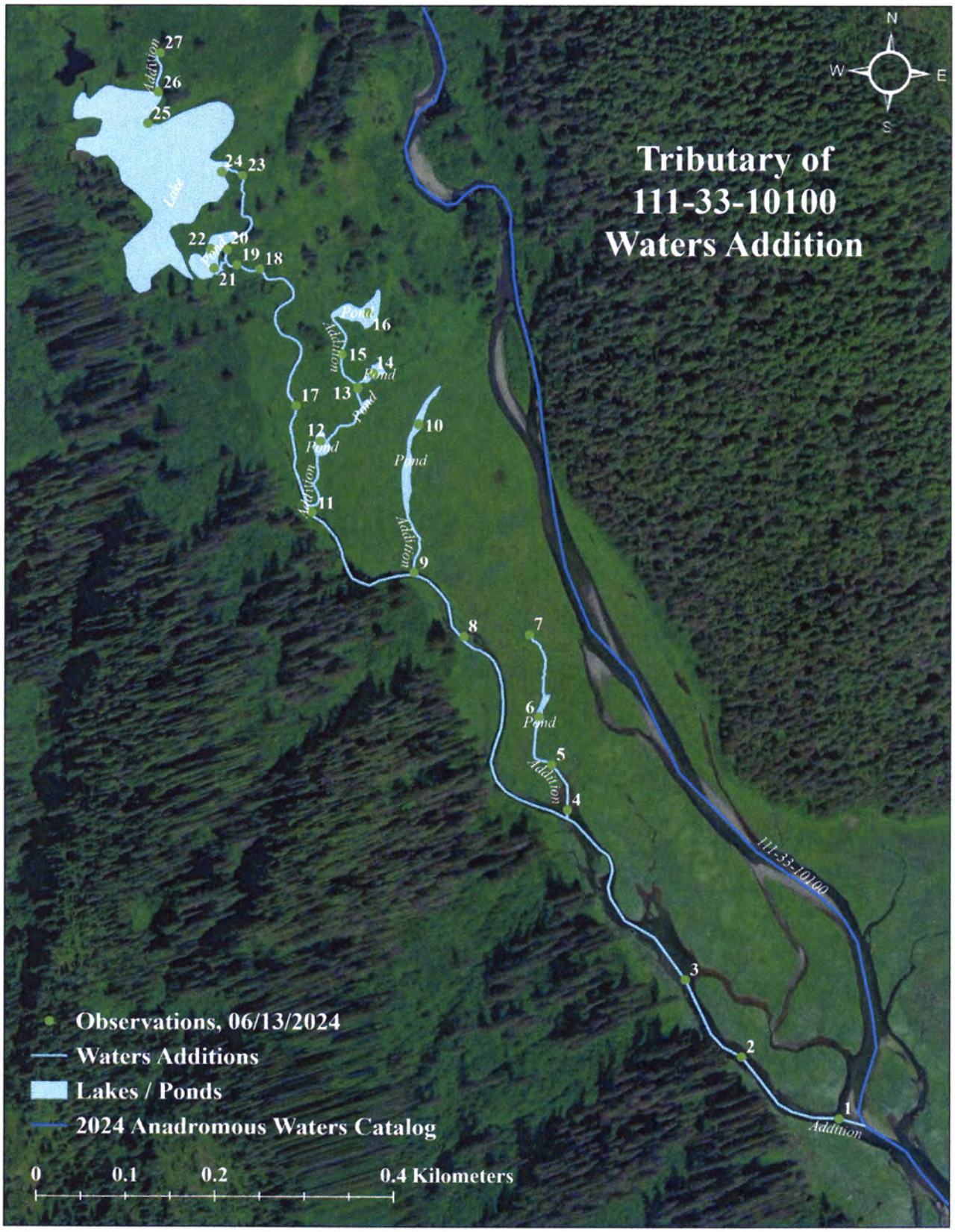
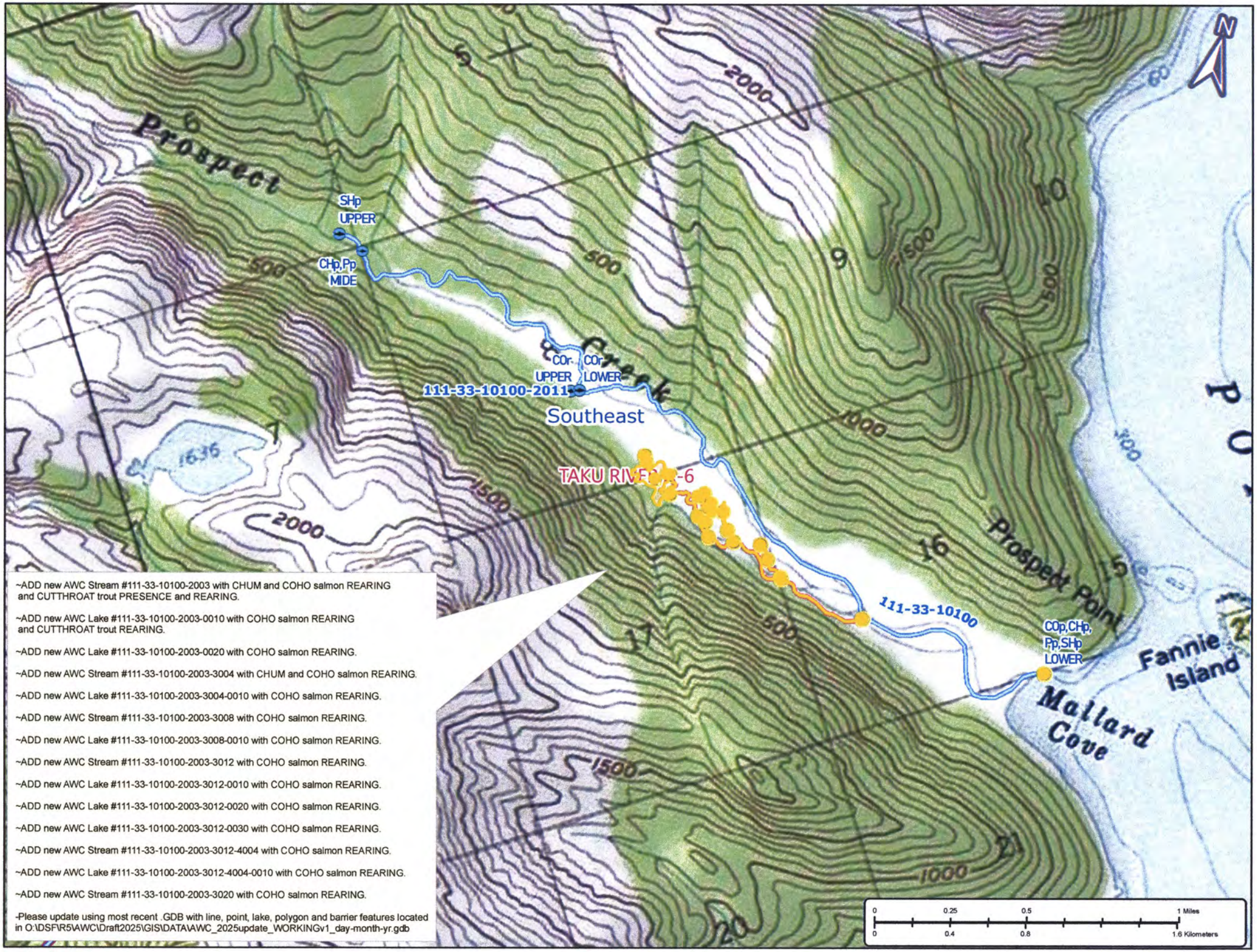


Figure 13.- A map of the tributary of 111-33-10100 showing waters additions, lakes and ponds, and observation locations



~ADD new AWC Stream #111-33-10100-2003 with CHUM and COHO salmon REARING and CUTTHROAT trout PRESENCE and REARING.

~ADD new AWC Lake #111-33-10100-2003-0010 with COHO salmon REARING and CUTTHROAT trout REARING.

~ADD new AWC Lake #111-33-10100-2003-0020 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3004 with CHUM and COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3004-0010 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3008 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3008-0010 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3012 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3012-0010 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3012-0020 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3012-0030 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3012-4004 with COHO salmon REARING.

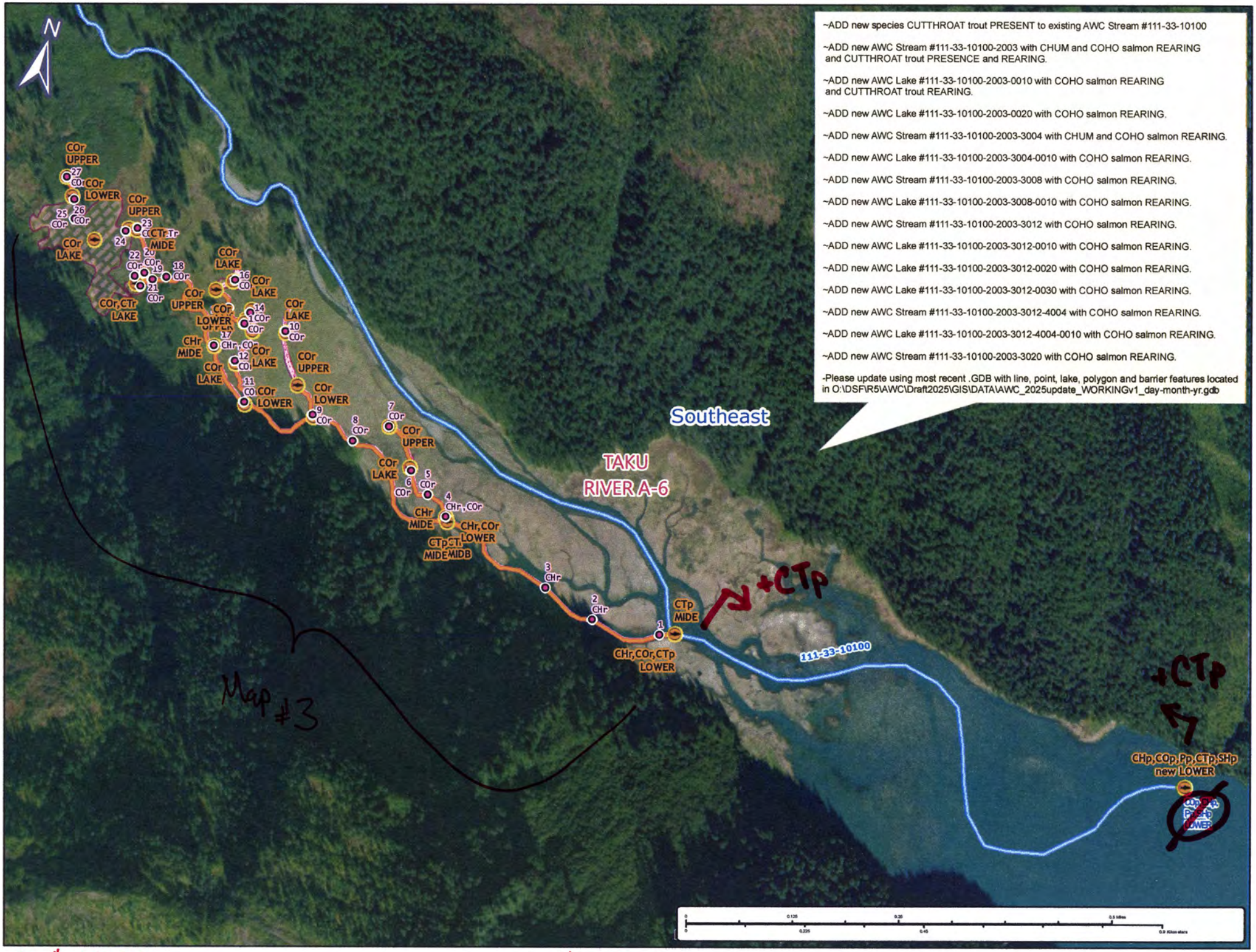
~ADD new AWC Lake #111-33-10100-2003-3012-4004-0010 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3020 with COHO salmon REARING.

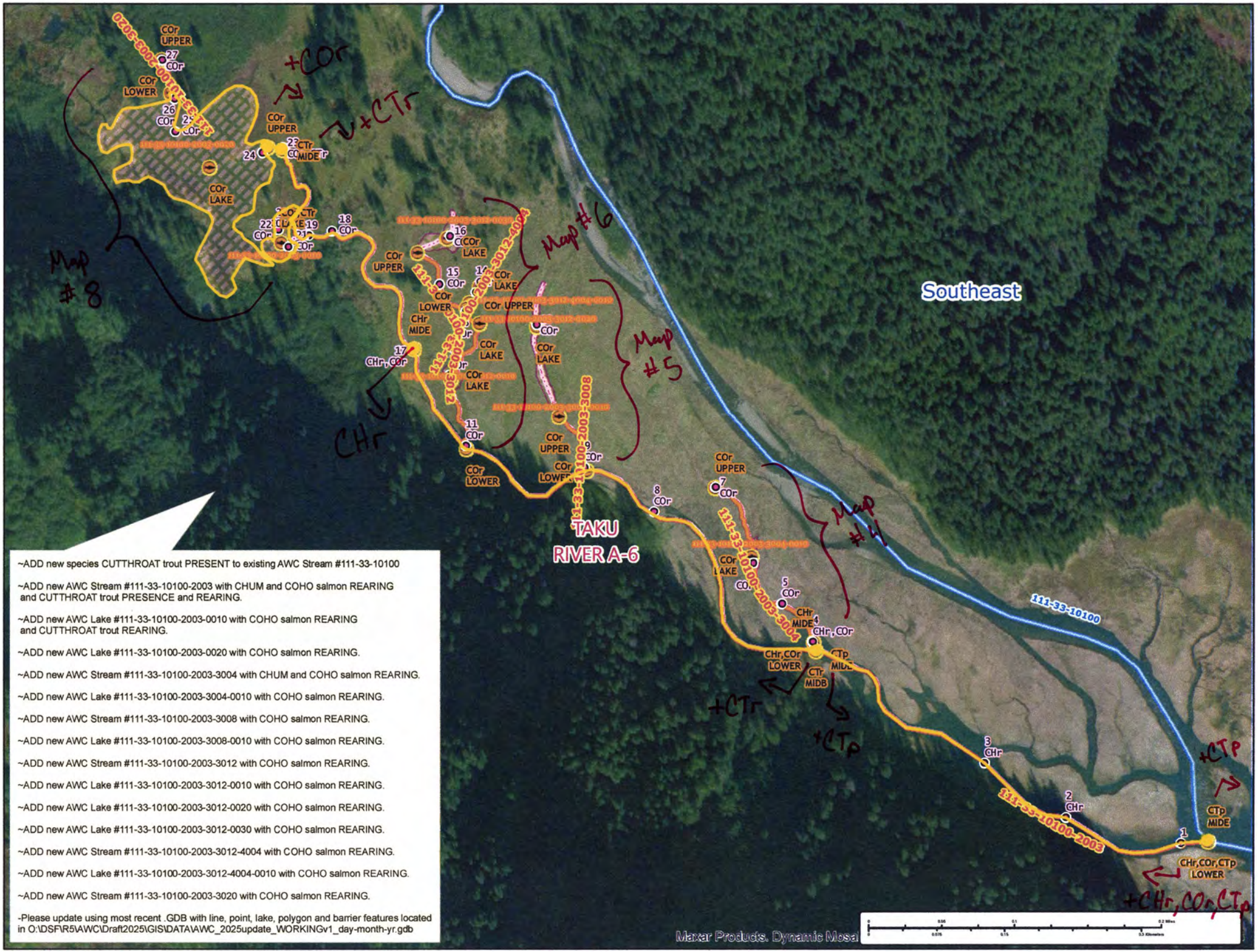
-Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DSF\R5\AWC\Draft2025\GIS\DATA\AWC_2025update_WORKINGv1_day-month-yr.gdb

Dm #24-785

Map #1


~ADD new species CUTTHROAT trout PRESENT to existing AWC Stream #111-33-10100
~ADD new AWC Stream #111-33-10100-2003 with CHUM and COHO salmon REARING and CUTTHROAT trout PRESENCE and REARING.
~ADD new AWC Lake #111-33-10100-2003-0010 with COHO salmon REARING and CUTTHROAT trout REARING.
~ADD new AWC Lake #111-33-10100-2003-0020 with COHO salmon REARING.
~ADD new AWC Stream #111-33-10100-2003-3004 with CHUM and COHO salmon REARING.
~ADD new AWC Lake #111-33-10100-2003-3004-0010 with COHO salmon REARING.
~ADD new AWC Stream #111-33-10100-2003-3008 with COHO salmon REARING.
~ADD new AWC Lake #111-33-10100-2003-3008-0010 with COHO salmon REARING.
~ADD new AWC Stream #111-33-10100-2003-3012 with COHO salmon REARING.
~ADD new AWC Lake #111-33-10100-2003-3012-0010 with COHO salmon REARING.
~ADD new AWC Lake #111-33-10100-2003-3012-0020 with COHO salmon REARING.
~ADD new AWC Lake #111-33-10100-2003-3012-0030 with COHO salmon REARING.
~ADD new AWC Stream #111-33-10100-2003-3012-4004 with COHO salmon REARING.
~ADD new AWC Lake #111-33-10100-2003-3012-4004-0010 with COHO salmon REARING.
~ADD new AWC Stream #111-33-10100-2003-3020 with COHO salmon REARING.
-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
Southeast
TAKU
RIVER A-6
111-33-10100
+CTp
+CTp
CHp,COp,Pp,CTp,SHp
new LOWER
CHr,COr,CTp
LOWER
CTp
MIDE
Map #3
Map #2

Dom #24-785



~ADD new species CUTTHROAT trout PRESENT to existing AWC Stream #111-33-10100

~ADD new AWC Stream #111-33-10100-2003 with CHUM and COHO salmon REARING and CUTTHROAT trout PRESENCE and REARING.

~ADD new AWC Lake #111-33-10100-2003-0010 with COHO salmon REARING and CUTTHROAT trout REARING.

~ADD new AWC Lake #111-33-10100-2003-0020 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3004 with CHUM and COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3004-0010 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3008 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3008-0010 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3012 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3012-0010 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3012-0020 with COHO salmon REARING.

~ADD new AWC Lake #111-33-10100-2003-3012-0030 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3012-4004 with COHO salmon REARING.

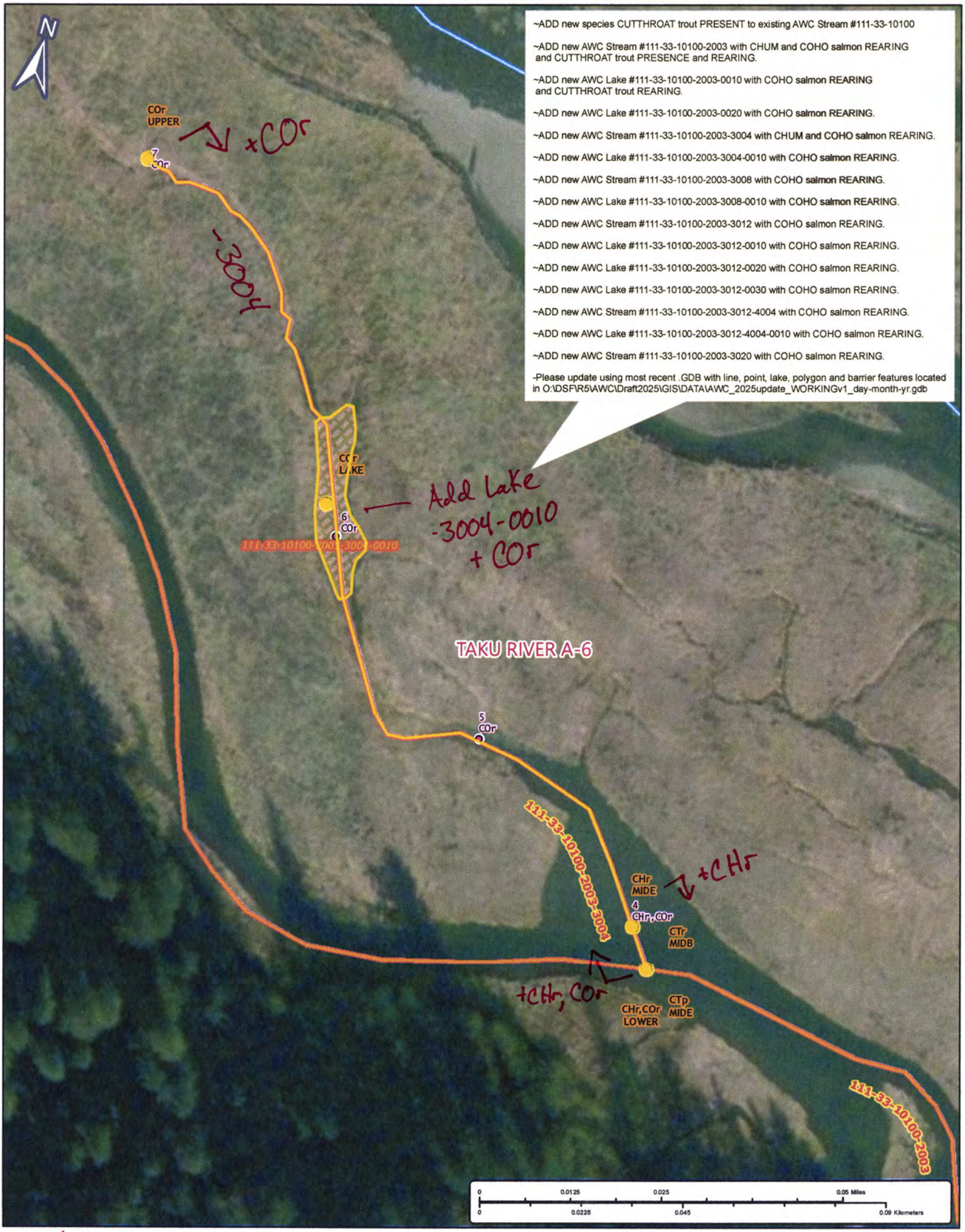
~ADD new AWC Lake #111-33-10100-2003-3012-4004-0010 with COHO salmon REARING.

~ADD new AWC Stream #111-33-10100-2003-3020 with COHO salmon REARING.

-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

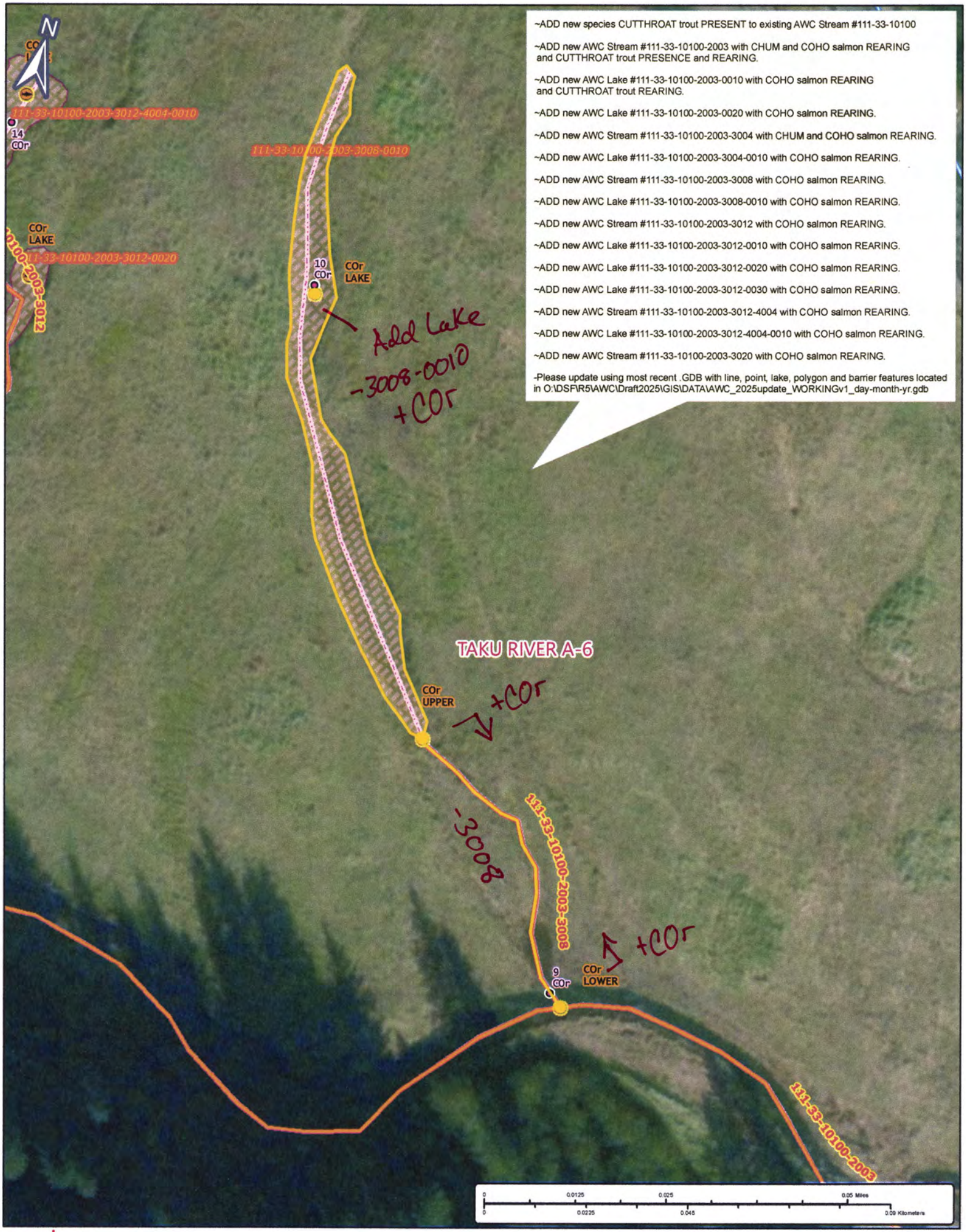
Nom#24-785

Map #3



Dm# 24-785

Map #4



Nom # 24-785

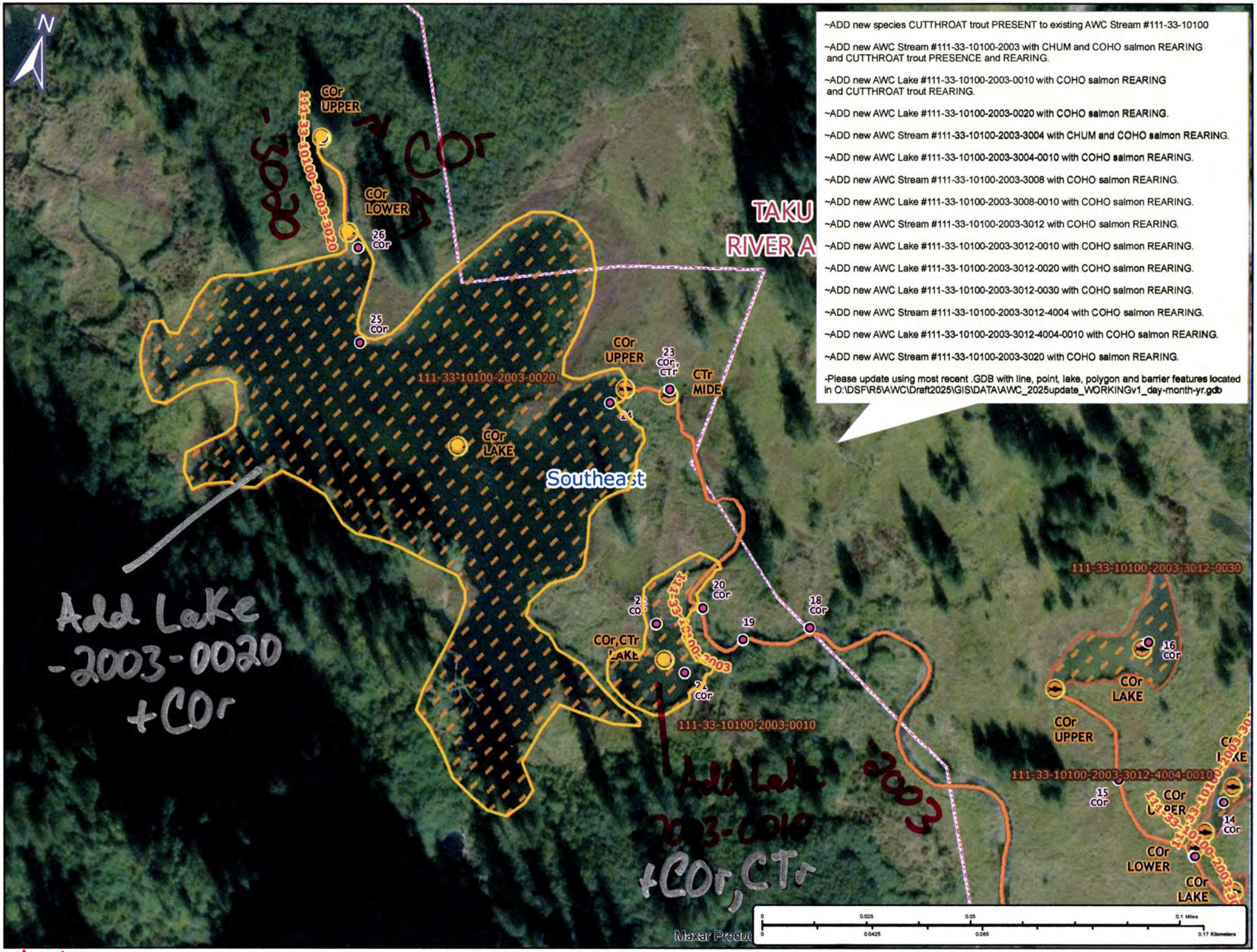
Map #5

Nom #24-785

Map #6

Dam #24-785

Map #7



Nom #24-785

Map #8