State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southeastern

USGS Quad(s): YAKUTAT C-5

Anadromous Waters Catalog Number of Water Body: 182-80-10100-2005-3014- (-4013) (-4019)

Name of Water Body: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	24-532	Adam Penn	5-1-2024
		Fisheries Scientist	Date
Revision Year:	2025	Ron Benkert	5/1/2024
		Habitat Operations Manager	Date
Revision to:	☑ Atlas		
	☑ Catalog	AWC Project Biologist	29 March 2024
			Date
Revision Code:	A-2		5/29/24
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	09/13/2023		✓		✓
cutthroat trout	09/13/2023		✓		
Dolly Varden	09/13/2023		✓		

~ADD new AWC Stream #182-80-10100-2005-3014-4013 with COHO salmon REARING.

~ADD new AWC Stream #182-80-10100-2005-3014-4019 with COHO salmon REARING.

Comments:

ABR used minnow traps to survey uncatalogued waterbodies connected to AWC waterbody 182-80-10100-2005-3014. This area is within a documented AWC polygon. Traps were set in ponded (traps 1–6) and flowing (traps 7–10) water (see map). Traps 7–10 were set along a continuous, unnamed flowing stream that ranged in depth 20–50 cm (estimated) with gravel substrate streambed.

Threespine Stickleback were the most abundant species (n = 258), followed by coho salmon (n = 180), cutthroat trout (n = 10), and Dolly Varden (n = 1). All salmonids were rearing juveniles. Coho salmon fork length ranged 31–118 mm, cutthroat trout fork length ranged 77–111 mm, and the single Dolly Varden measured 55 mm. At Trap 10, we also documented 2 potential salmon redds.
Coordinates (Lat,Long): Upper(59.5168713,-139.692755) Lower(59.5148767,-139.6938933)

Name of Observer (please print): Caitlin Forster

Signature: 10.231.39.10 (Web Nomination) Date: 01/17/2024

Agency:

Address: 1225 E International Airport Road Suite 110

Anchorage, AK 99518

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):

State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination - Supplemental Information Form
Anadromous Waters Catalog & Atlas

For Official Use Only

Nomination #: 24-532

Revision Year: 2025

AWC #: *(if known)* 182-80-10100-2005-3014

Name of Water Body: *(if known)*

This supplemental information sheet is provided for when more observations, locations, and or species and life-stage information than can be documented in the one page Nomination Form.
For location description, please provide latitude and longitude of the upper most point that two individuals of any observed species and life-stage were documented. Please use Decimal Degrees with a minimum of 5 decimal places.

Waypoint ID	Date Observed	Species	Latitude	Longitude	Anadromous	Adult Presence	Spawning	Rearing	Observation Notes *Mortalities, Deformities, Disease, Behavior, Habitat, Etc.*
5	9/13/23	coho salmon	59.5168690	-139.6871912	☑	☐	☐	☑	Upper reach
5	9/13/23	cutthroat trout	59.5168690	-139.6871912	☑	☐	☐	☑	Upper reach
1	9/13/23	coho salmon	59.5152100	-139.6877223	☑	☐	☐	☑	Lower reach
					☐	☐	☐	☐	
					☐	☐	☐	☐	
					☐	☐	☐	☐	
					☐	☐	☐	☐	
					☐	☐	☐	☐	
					☐	☐	☐	☐	
					☐	☐	☐	☐	

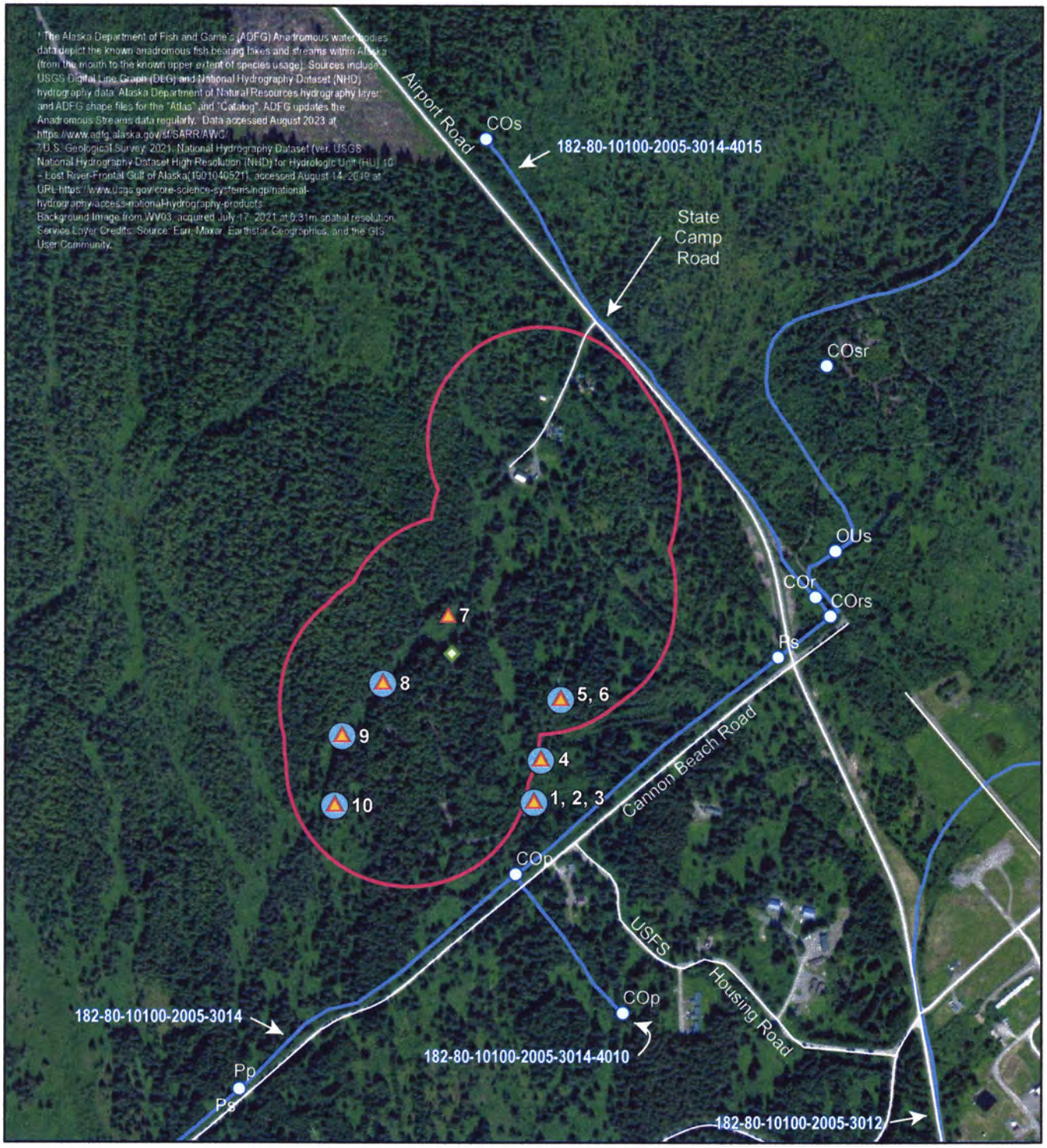
Comments:

Way-points associated with ponded habitat complex. Traps 1–3 were set at the lowest reaches of a pond complex before it drained into the nearby ditch. Trap 4 was set in the middle of the pond complex, whiles traps 5–6 were set at the uppermost reaches of the pond complex near a small stream inflow.

Minnow trap number and catches, Alaska, 2023. Species codes: COHO = Coho Salmon, CUTR = Cutthroat Trout, DOLL = Dolly Varden, THST = Threespine Stickleback.

Trap (#)	Latitude	Longitude	Date Set	Date Pulled	Catch			
					COHO	CUTR	DOLL	THST
1	59.5152100	-139.6877223	12-Sep	13-Sep	12	0	0	118
2	59.5152100	-139.6877223	12-Sep	13-Sep	15	0	0	5
3	59.5152100	-139.6877223	12-Sep	13-Sep	30	0	0	80
4	59.5158811	-139.6876256	12-Sep	13-Sep	11	0	0	1
5	59.5168690	-139.6871912	12-Sep	13-Sep	44	2	0	34
6	59.5168690	-139.6871912	12-Sep	13-Sep	30	0	0	20
7	59.5180342	-139.6909212	12-Sep	13-Sep	0	0	0	0
8	59.5168713	-139.6927550	12-Sep	13-Sep	14	2	0	0
9	59.5159798	-139.6938703	12-Sep	13-Sep	3	4	0	0
10	59.5148767	-139.6938933	12-Sep	13-Sep	21	2	1	0

Nom # 24-532 Data sheet



[1] The Alaska Department of Fish and Game's (ADFG) Anadromous water bodies data depict the known anadromous fish bearing lakes and streams within Alaska (from the mouth to the known upper extent of species usage). Sources include USGS Digital Line Graph (DLG) and National Hydrography Dataset (NHD) hydrography data, Alaska Department of Natural Resources hydrography layer, and ADFG shape files for the "Atlas" and "Catalog". ADFG updates the Anadromous Streams data regularly. Data accessed August 2023 at https://www.adfg.alaska.gov/sf/SARR/AWC/.

[2] U.S. Geological Survey. 2021. National Hydrography Dataset (ver. USGS National Hydrography Dataset High Resolution (NHD) for Hydrologic Unit (HU) 10 - Lost River-Frontal Gulf of Alaska(1901040521), accessed August 14, 2019 at URL https://www.usgs.gov/core-science-systems/ngp/national-hydrography/access-national-hydrography-products

Background Image from WV03, acquired July 17, 2021 at 0.31m spatial resolution. Service Layer Credits: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community.

Field Surveys September 12–13, 2023

- Trap
- Pond
- Survey Area
- Coho Captured

NHD Streams[2]

Anadromous Waters Catalog[1]

- Anadromous Stream[1] (247-60-10250-2008) Stream Code
- Anadromous Salmon Point Observation[1]

CO - Coho Salmon
OU - Eulachon
P - Pink Salmon

p - present
r - rearing
s - spawning

0 250 500 750 Feet

0 100 200 Meters

Aquatic Resources for the Yakutat Survey Area, Yakutat, Alaska 2023

map prepared by:
ABR — Environmental Research & Services

Fig4_Yakutat_Fish_23-286.mxd; 21 December 2023

From: Caitlin Forster
To: Giefer, Joe (DFG)
Cc: John Seigle
Subject: Re: AWC Web Nom #24-532 - Req for Additional Info (Hydro)
Date: Friday, March 15, 2024 11:36:03 AM
Attachments: ABR_Yakutat_Aquatics_2023.zip

Hi Joe,

See attached for a .gdb file that includes our raptor nest survey tracks as well as the fish sampling points. Please note that we did not catch fish at site 7, the most upstream of the survey traps on the western half of the survey area. We also had to stay roughly within the bounds of the survey area, and so were not able to track that western stream all the way back to its exact meeting point with the existing AWC. For the pond complex though, looking at the imagery, I would say that we accessed that lowest pond, where we set traps 1, 2, and 3, from the west. The pond drained to the south, and that's where I would draw the connection with the existing AWC stream. If it's easier to talk over the phone, feel free to give me a call 907-344-6777 extension 207.

I also cc'd John Seigle here, the project manager, to keep him in the loop.

Thanks,
Caitlin

On Thu, Mar 14, 2024 at 2:49 PM Caitlin Forster <cforster@abrinc.com> wrote:

> Perfect, I'll try to get this to you by tomorrow, I need to chat with our GIS specialist before I start mucking around in her data sets.
> Caitlin
>
> On Wed, Mar 13, 2024 at 1:33 PM Giefer, Joe (DFG) <joe.giefer@alaska.gov> wrote:
>
> > Hi Caitlin,
> >
> > That's great! I can accept most formats; gpx straight from the GPS unit or if you've converted it to a shapefile or feature in a GDB, those work too. I have access to Google Drive if it's too big to attach to an email.
> >
> > Thanks!
> >
> > ***Joe Giefer***
> >
> > Habitat Biologist III
> >
> > **Anadromous Waters Catalog (AWC)**

Alaska Dept. of Fish & Game

Division of Sport Fish – RTS

333 Raspberry Road, Anchorage AK 99518

Office 907-267-2336

Submit AWC Nominations electronically through the Online Portal here:

https://www.adfg.alaska.gov/sf/SARR/AWC/index.cfm?ADFG=nomSubmit.home

From: Caitlin Forster <cforster@abrinc.com>
Sent: Wednesday, March 13, 2024 12:54 PM
To: Giefer, Joe (DFG) <joe.giefer@alaska.gov>
Subject: Re: AWC Web Nom #24-532 - Req for Additional Info (Hydro)

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,

I do happen to have a GPS track for the survey effort. This was a multidisciplinary survey, we were also surveying for raptor nests along the way, and I have that survey track line. What file format is most useful to you? I have an already produced map/figure, or I can get in touch with our GIS specialist and have her export something like a .gpx file?

Best,

Caitlin

On Tue, Mar 12, 2024 at 1:57 PM Giefer, Joe (DFG) <joe.giefer@alaska.gov> wrote:

Hello Caitlin,

I'm reviewing the AWC nomination you submitted in January. Do you have any additional information about the stream hydrography here, I would like to add a streamline for your observations but I need something approximating the hydrography. There isn't anything in AK Hydro at this scale and it's not clear from imagery where the alignment is and where it connects to existing AWC streamlines. Did you happen to collect a GPS track here? Drawing a line based on personal recollections and site visit notes is also acceptable if there is no other option.

Any questions please let me know.

Regards,

Joe Giefer

Habitat Biologist III

Anadromous Waters Catalog (AWC)

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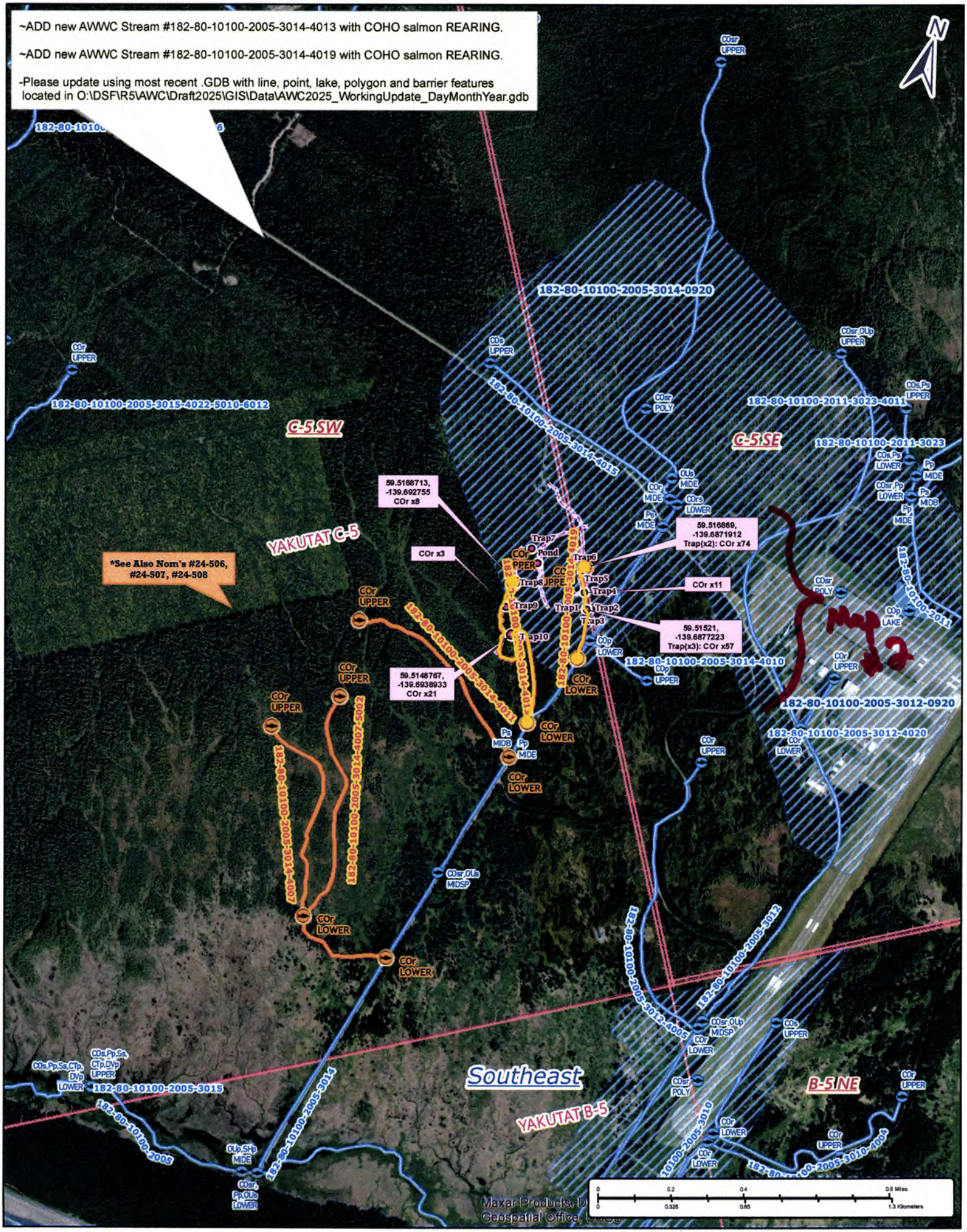
Trap #10 Dolly Varden

Trap #1 - coho salmon

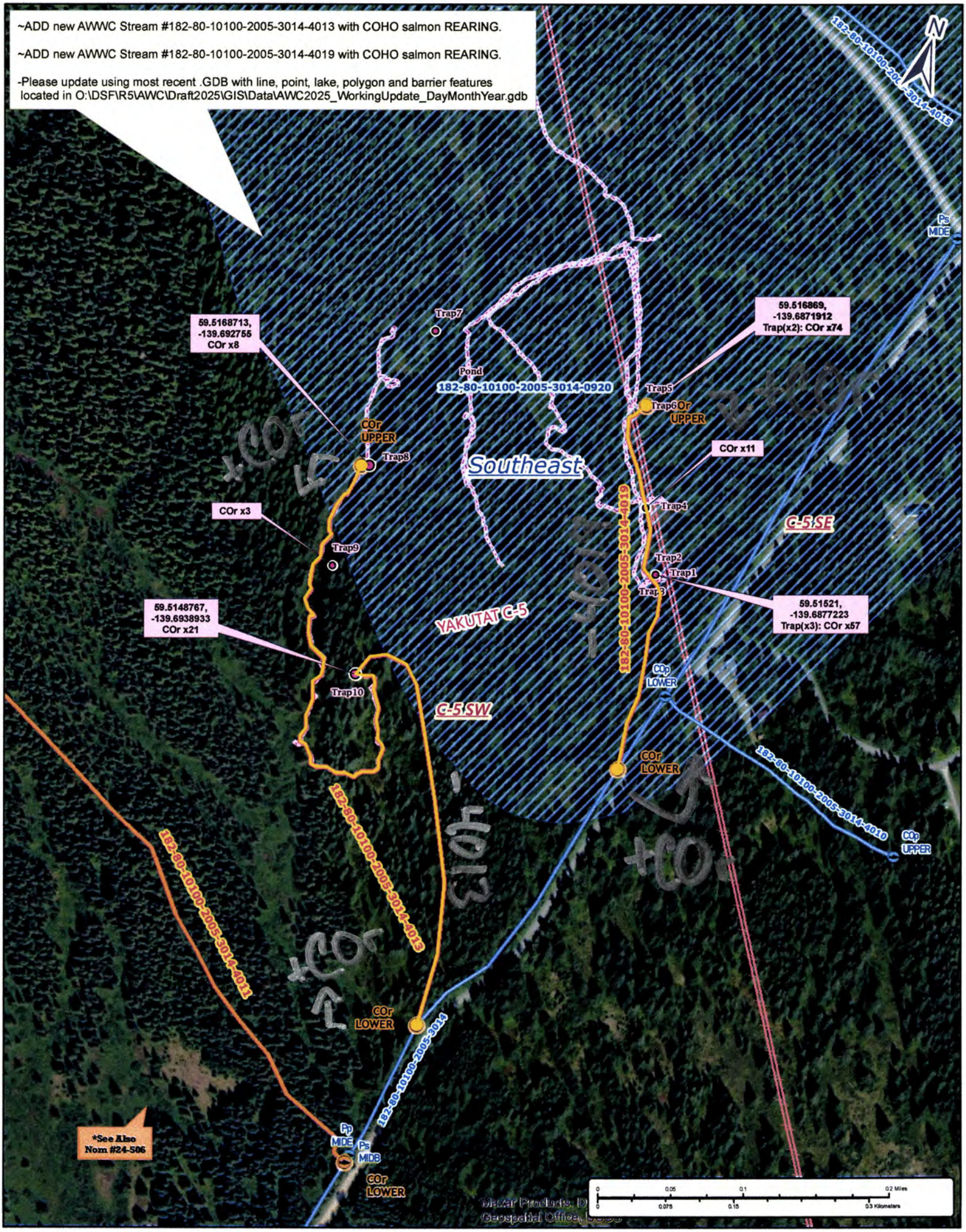
Trap #5 - Cutthroat Trout

Redds circled in blue.



Nom #24-532

Map #1



Nom #24-532

Map #2