State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region: Southcentral

USGS Quad(s): CORDOVA C-5

Anadromous Waters Catalog Number of Water Body: 212-10-10050 (-2240) (-0910) ; 212-10-10050-2250 (-3013)

Name of Water Body: Power Creek, *Hatchery Creek, Eyak Lake (-0010)

☑ USGS Name ☑ Local Name

☑ Addition ☐ Deletion ☑ Correction ☐ Backup Information "*Waters of Power Creek + *Hatchery Creek"

For Office Use

Nomination #	24-953	Adam Kern — Fisheries Scientist	12-27-2024 — Date
Revision Year:	2025	— Habitat Operations Manager	12/10/2024 — Date
Revision to:	☑ Atlas ☑ Catalog	— AWC Project Biologist	5 Dec 2024 — Date
Revision Code:	C-9, C-7, E-1	— GIS Analyst	1/2/25 — Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon			✓		✓
Dolly Varden			✓		✓
sockeye salmon				✓	✓

Polygon created here as fields surveys and imagery in this area indicated that there is distributed flow through heavy vegetation and trees adjacent to the road at the mouth of Power & *Hatchery Creeks. This distributed channel area and the channel of Power Creek in this area is highly dynamic and no single channel is easily defined as the main. Road improvements to repair erosion damage have created an effective dike along the road here, containing water on the Eyak lake side flowing out of Power Creek and directing flow on the high side through a culvert into *Hatchery Creek.

Comments:

See observer comments on page 2.
Coordinates (Lat,Long): Upper(60.590007,-145.627861) Lower(60.58951,-145.62872)

Name of Observer (please print): Duncan Green

Signature: 10.231.39.10 (Web Nomination) Date: 10/10/2024

Agency:

Address: 333 Raspberry Rd.
Anchorage, AK 99518

~UPDATE/ADJUST hydrography boundary of existing AWC Lake #212-10-10050-0010 "Eyak Lake". ✓

~UPDATE/ADJUST hydrography of existing AWC Stream #212-10-10050-2240 "Power Creek". ✓

~UPDATE/ADJUST hydrography of existing AWC Stream #212-10-10050-2250 "*Hatchery Creek". ✓

~RELOCATE/ADJUST mouth point of existing AWC Stream #212-10-10050-2250-3013. ✓

~ADD new AWC Polygon #212-10-10050-2240-0910 "*Waters of Power Creek & *Hatchery Creek" with COHO salmon and Dolly Varden REARING and SOCKEYE salmon PRESENT. ✓

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

Fish Survey
Nomination Form
Anadromous Waters Catalog

Region: South Central (-000) (-0910) **USGS Quad:** Cordova C-5

Anadromous Waters Catalog Number of Waterway: 212-10-10050-2240 212-10-10050-2250

Name of Waterway: Power Creek *Hatchery Creek, Eyak Lake, *Waters of... ☑ **USGS Name** ☑ **Local Name**

☑ **Addition** ☐ **Deletion** ☑ **Correction** ☐ **Backup Information**

For Office Use

Nomination # 24-953

Revision Year: 2025

Revision to: Atlas _____ Catalog _____ Both X

Revision Code: C-9, C-7, E-1

Fisheries Scientist	**Date**
Habitat Operations Manager	**Date**
AWC Project Biologist	**Date**
GIS Analyst	**Date**

Site Information **Station:** FSCB2339A01 **Date Observed:** 8/4/2024 **Legal Desc.:**

	Latitude:	Longitude:	Datum:
Up Stream	60.59001	-145.62786	WGS84
Down Stream	60.58951	-145.62872	WGS84

Station Comments: The majority of the area between the road and AWC stream 212-10-10050-2250 is inundated with water. No main channel at this point.

Life History: Anadromous

Species\LifeStage: sockeye salmon adult	**Sampling Method (No. of fish):** VOG (2)
Species\LifeStage: Dolly Varden juvenile	**Sampling Method (No. of fish):** PEF (11)
Species\LifeStage: coho salmon juvenile	**Sampling Method (No. of fish):** PEF (8)

Key to Sample Method

(PEF) Backpack Electrofisher (VOG) Visual Observation, Ground

Additional Comments: Add coho salmon rearing, Dolly Varden rearing, and sockeye salmon presence to upstream waypoint 39A01UP (60.590007, -145.627861). Four juvenile coho salmon and eight juvenile Dolly Varden were collected at that waypoint via backpack electrofishing, and two adult sockeye salmon were visually observed moving upstream. Add new hydrography; the majority of the area between Power Creek Rd. and AWC channel 212-10-10050-2250 is inundated with water.

Name of Observer: Duncan Green, Fish & Wildlife Technician 3 Phone: Date Printed: 10/10/2024

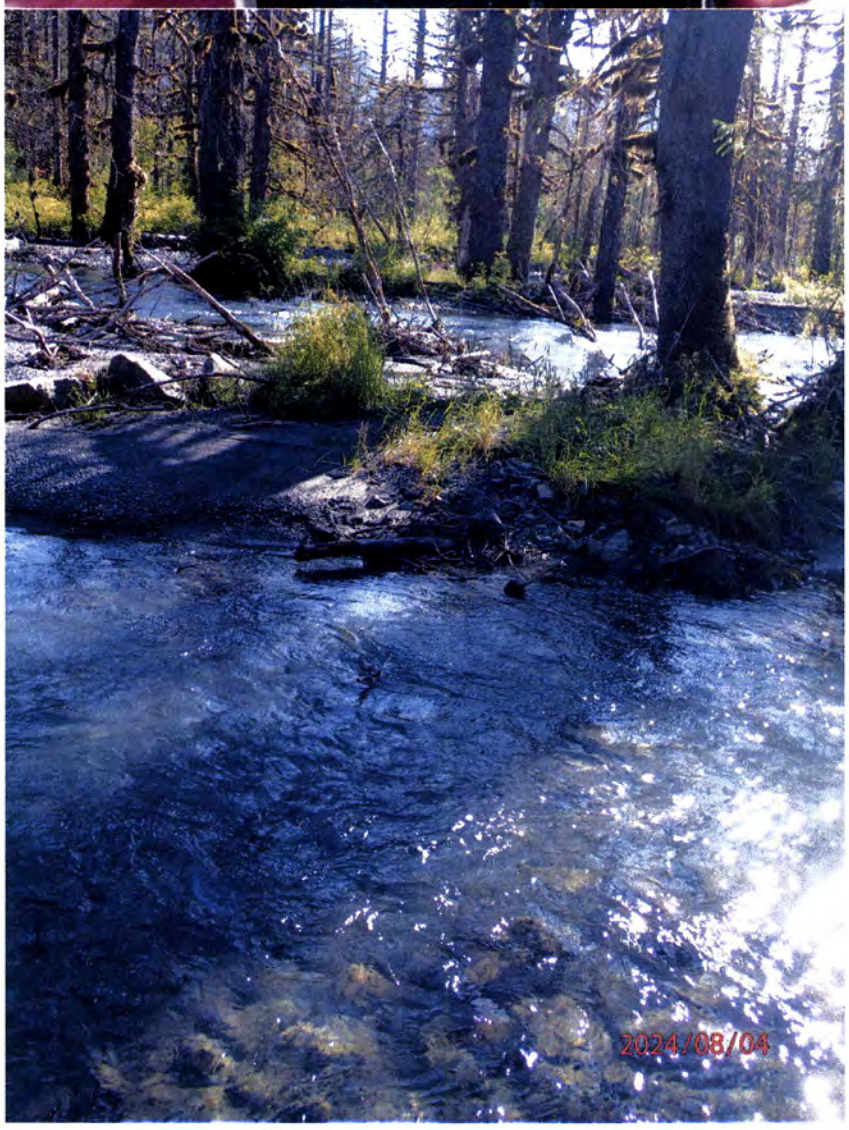
Signature: _____

Address: Alaska Department of Fish & Game, Sport Fish - RTS
333 Raspberry Road
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:** _____

GPSMAP 64st
39A01DN
Location
N 60.589506
W 145.626722
Elevation
-37
Depth
2024/08/04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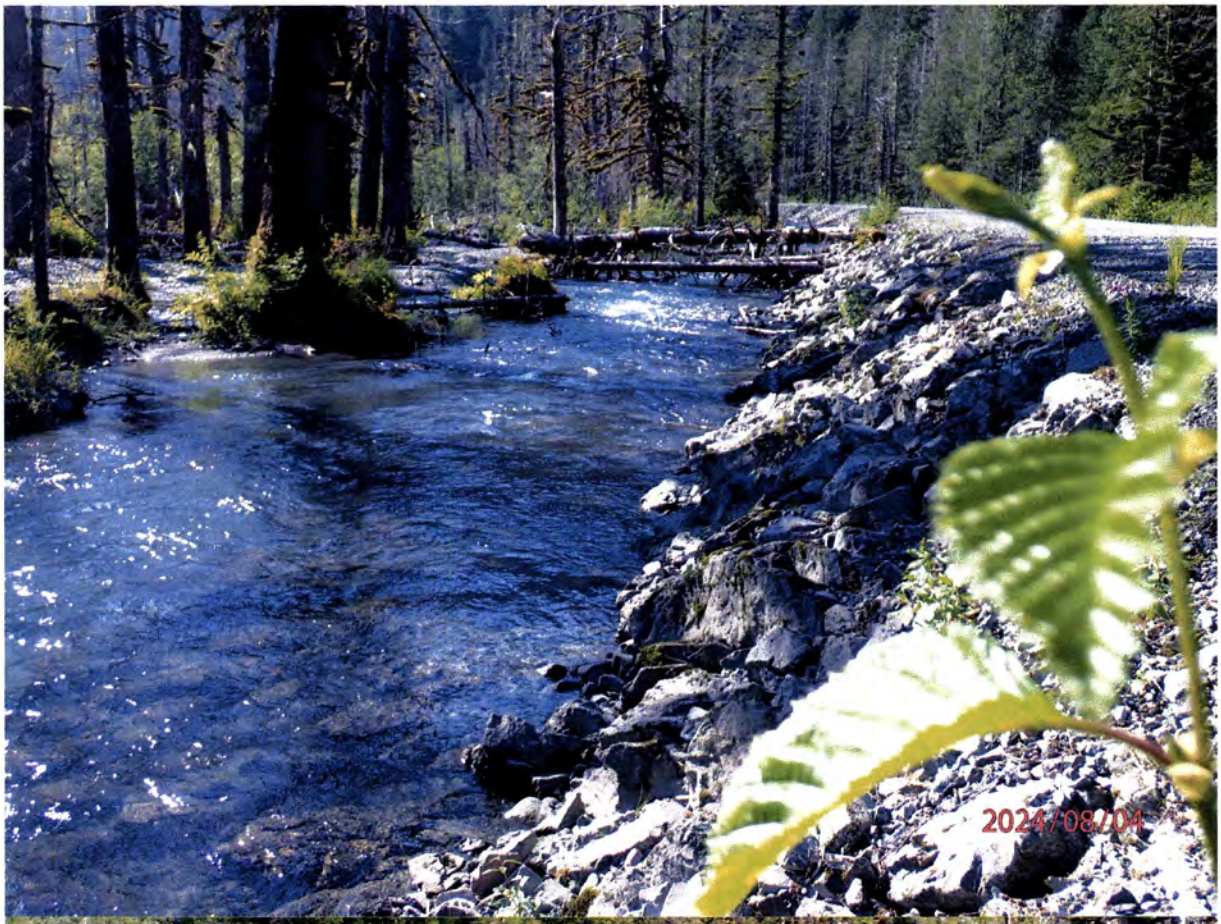
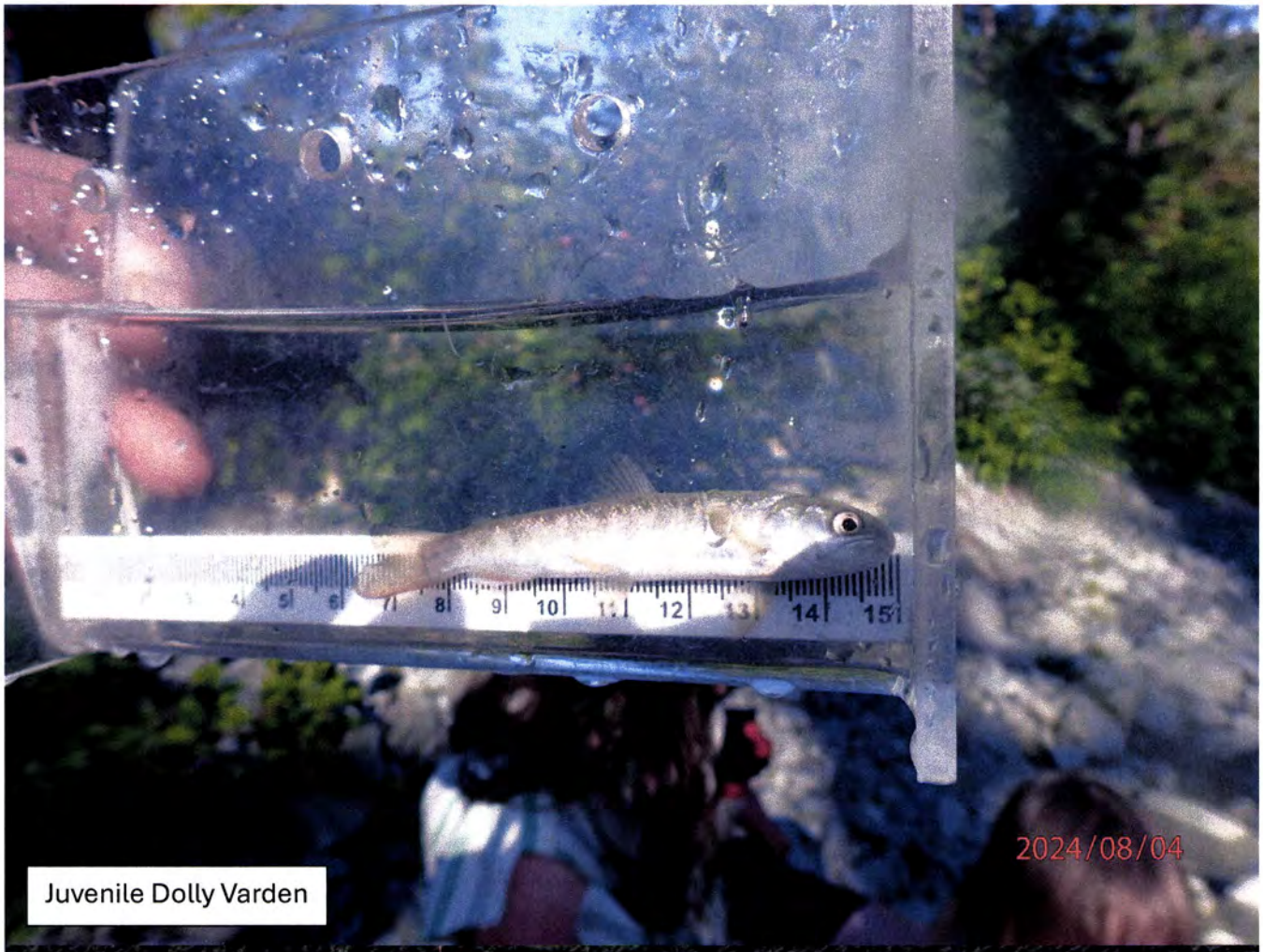

2024/08/04

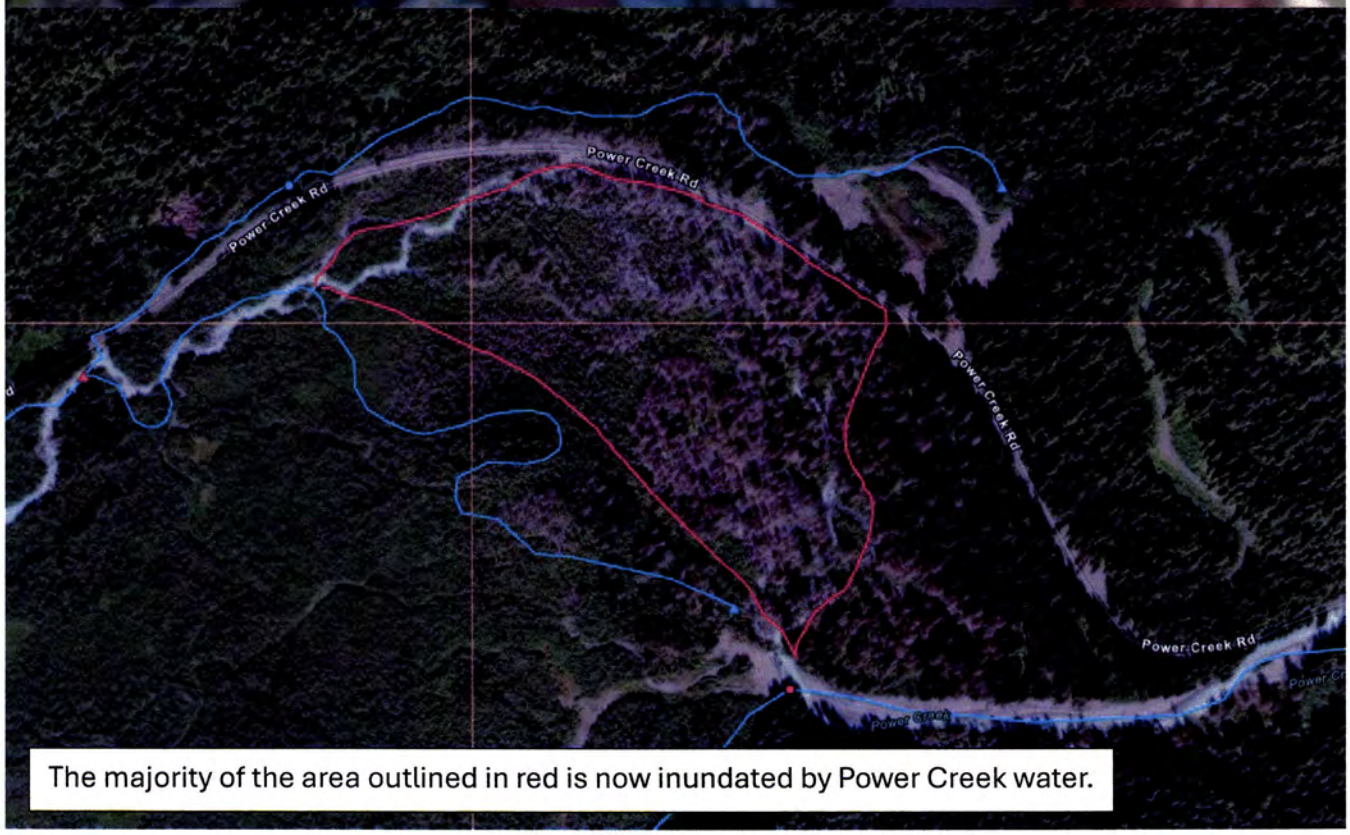
2024/08/04

Juvenile coho salmon (left) and Dolly Varden

Juvenile Dolly Varden (top L, bottom L) and coho salmon (middle L, R)



Juvenile Dolly Varden



The majority of the area outlined in red is now inundated by Power Creek water.

From: Kirsti Jurica
To: Giefer, Joe (DFG)
Cc: Marie, Megan E (DFG)
Subject: Re: Power/*Hatchery Creek above Eyak lake?
Date: Friday, November 15, 2024 9:29:46 AM
Attachments: image001.png
image002.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,

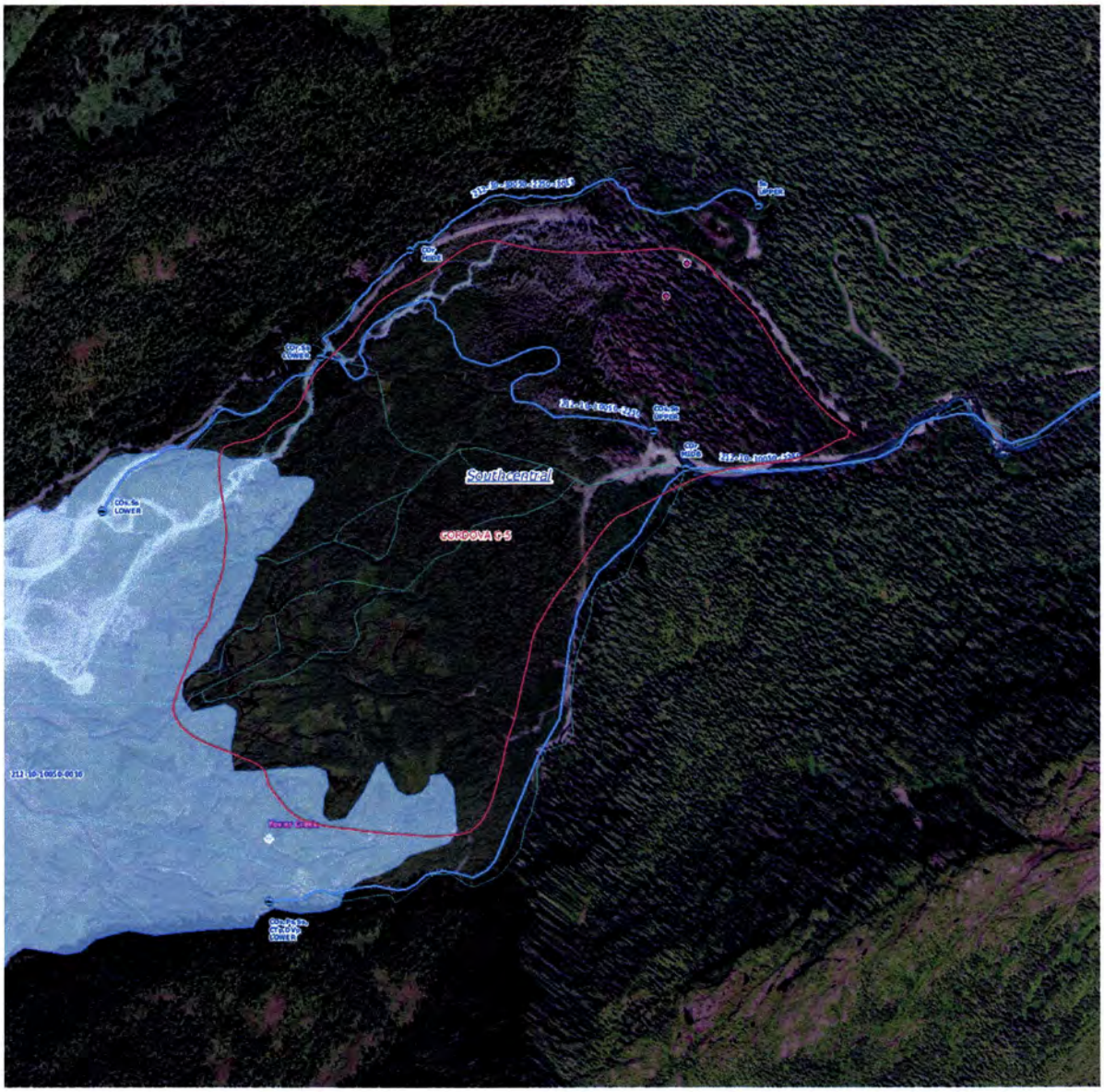
Sorry for not responding sooner, your email got buried after spending time in the field this week. Nice break from the computer!

Yes, Power Creek has been shifting along its floodplain, flowing along the road recently and braiding and creating new channels. So yes I would agree with a polygon here and include the area you outlined, using the road as an extent line from the far east side where the main channel first comes close to the road, there's been a channel that has formed along the road ditch from there since road improvements were made in 2019, which basically consisted of building a large dike through the floodplain, and keeping Hatchery Creek and Power Creek separated until the culverts.

Let me know if you have further questions. thanks!
kirsti

On Fri, Nov 8, 2024 at 11:24 AM Giefer, Joe (DFG) <joe.giefer@alaska.gov> wrote:

> Hi Kirsti,
>
> Just taking a shot in the dark here. Do you happen to have any fish survey data for the area where Power & *Hatchery Creeks enter Eyak lake? I'm thinking along the lines of what you provided me for your Nom which included the 2014/2015 surveys. I feel like this whole area would be better served by a polygon as it looks to me like Power Creek (-2240) has really abandoned its old channel below the COr-MIDB and flows out thru the *Hatchery Creek (-2250) alignment to the north. Thoughts?



Thanks for your time.

Regards,

Joe Giefer

Habitat Biologist III

Anadromous Waters Catalog (AWC)

Alaska Dept. of Fish & Game

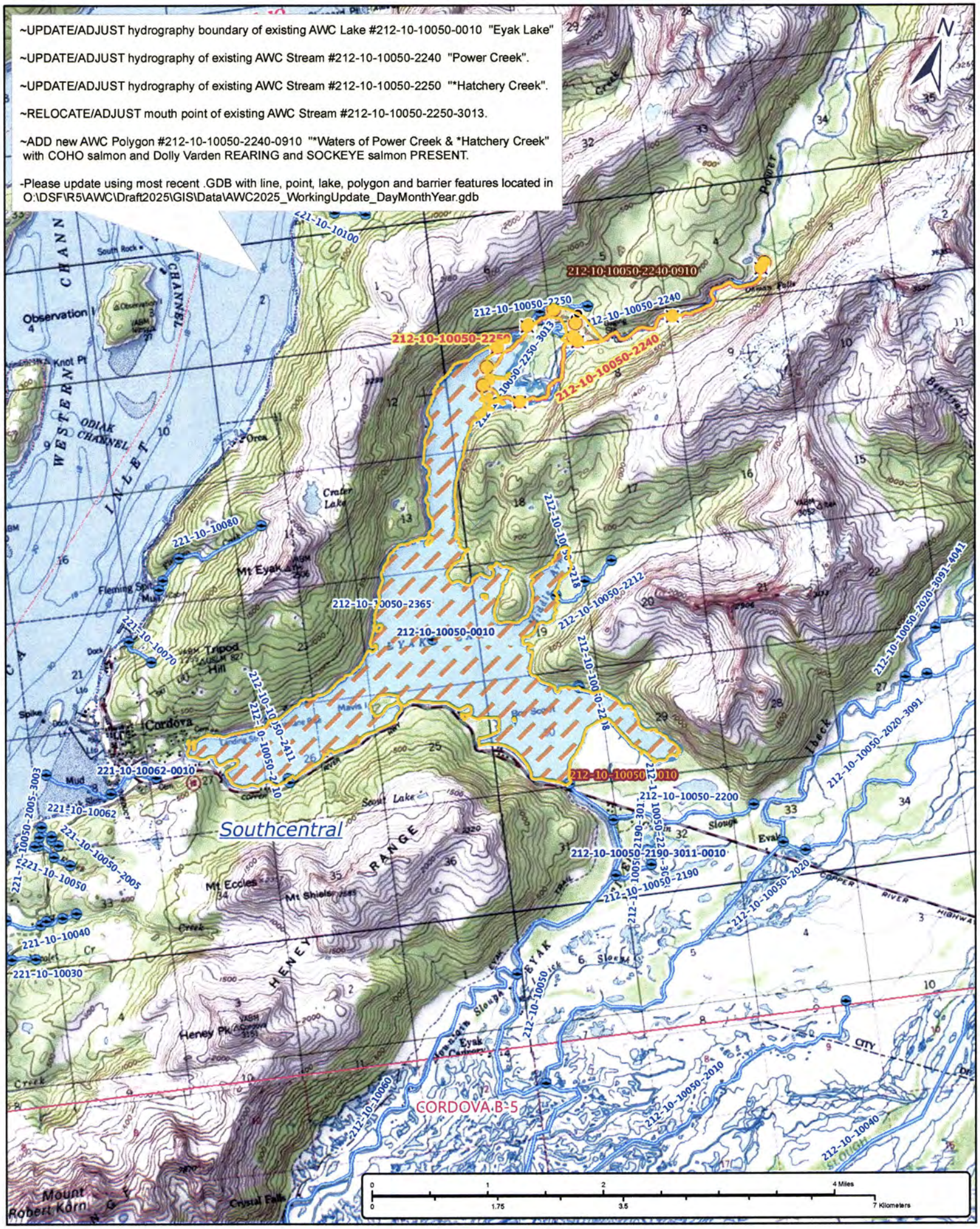
Division of Sport Fish RTS

333 Raspberry Road, Anchorage AK 99518

Office 267.267.2336

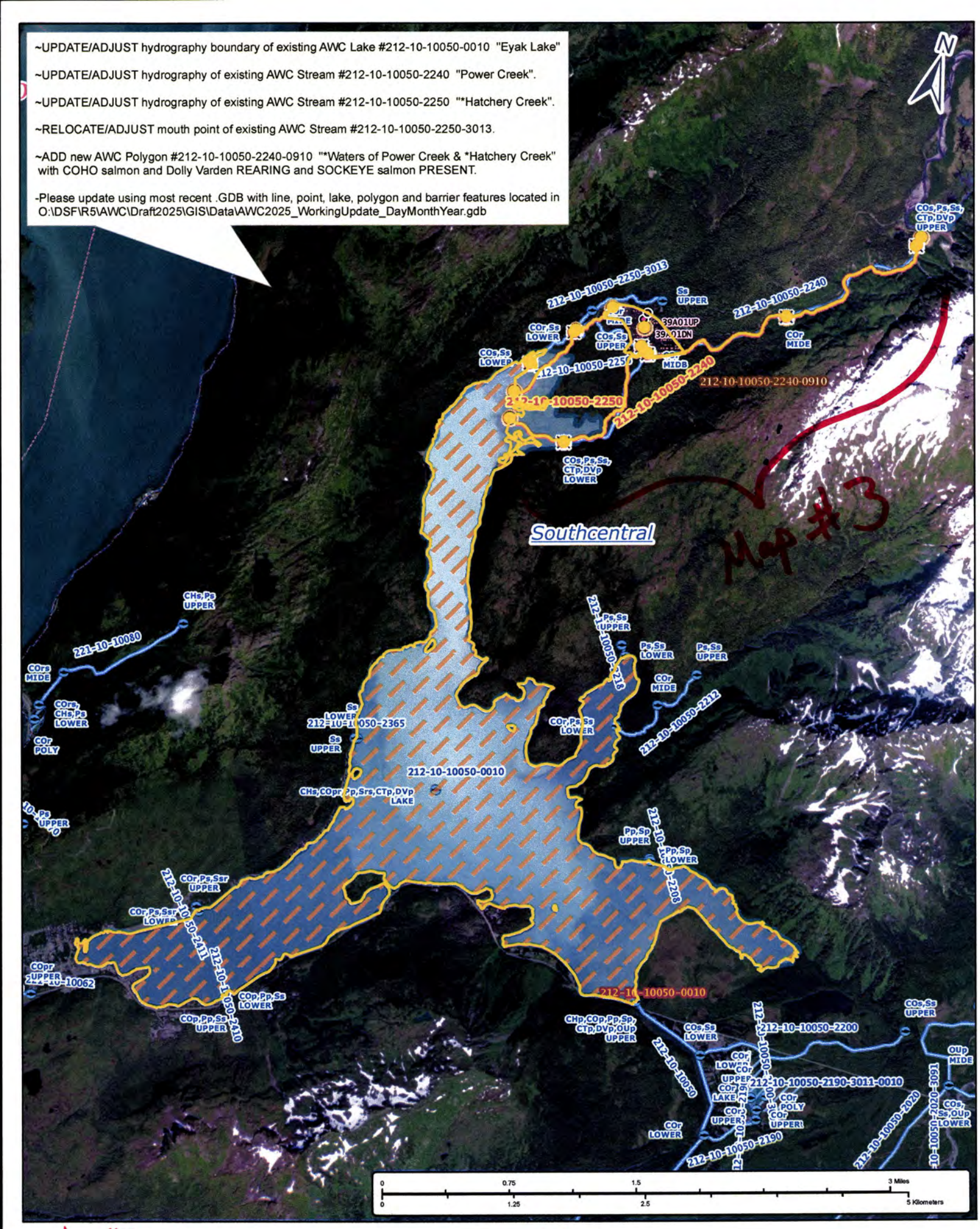
Submit AWC Nominations electronically through the Online Portal here:

https://www.adfg.alaska.gov/sf/SARR/AWC/index.cfm/ADFG/nom/Submit/home



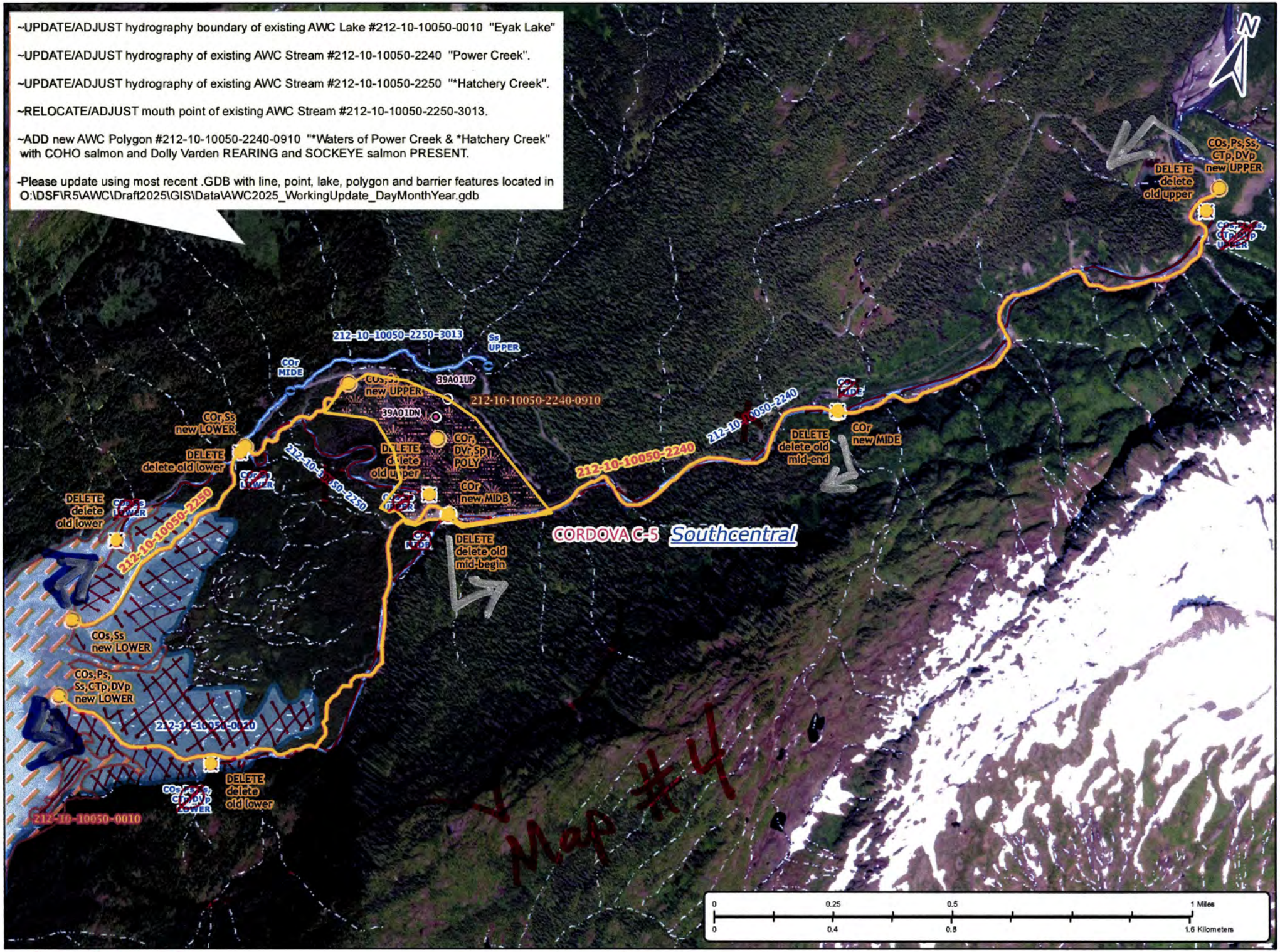
Nom #24-953

Map #1



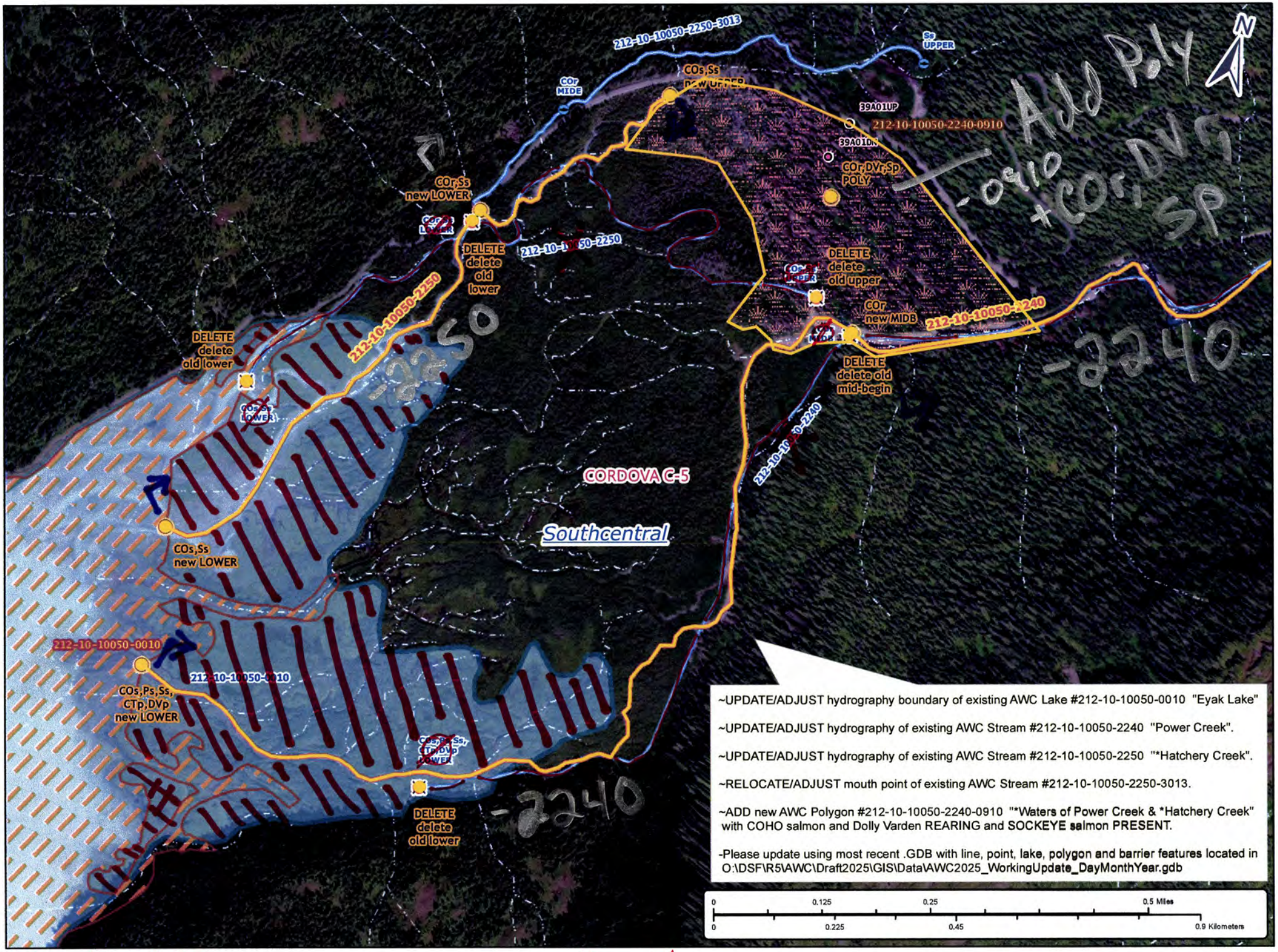
Nom #24-953

Map #2



Nom #24-953

Map #3



Nom #24-953

Map #4