



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Anadromous Waters Catalog

Region Southeastern

USGS Quad(s) JUNEAU A-5

Anadromous Waters Catalog Number of Water Body 114-34-10100-2032-3030

Name of Water Body  ☐ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

|   |   |
|---|---|
| Nomination # <u>24-654</u>  | <u>Adam Renna</u><br>Fisheries Scientist<br>Date <u>8-24-2024</u>         |
| Revision Year: <u>2025</u>  | <u>Ron Benhays</u><br>Habitat Operations Manager<br>Date <u>7/25/2024</u> |
| Revision to: <input checked="" type="checkbox"/> Atlas<br><input checked="" type="checkbox"/> Catalog | <u>Pepe Lips</u><br>AWC Project Biologist<br>Date <u>8 July 2024</u>      |
| Revision Code: <u>A-2</u>   | <u>Lu Hwa</u><br>GIS Analyst<br>Date <u>8/5/24</u>                        |

OBSERVATION INFORMATION

| Species     | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|-------------|------------------|----------|---------|---------|------------|
| coho salmon | 09/12/2022       |          | ✓       |         | ✓          |
|             |                  |          |         |         |            |
|             |                  |          |         |         |            |
|             |                  |          |         |         |            |
|             |                  |          |         |         |            |

~ADD new AWC Stream #114-34-10100-2032-3030 with COHO salmon REARING.

**Comments:**

Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon.  
Coordinates (Lat,Long): Upper(58.134235,-135.64641) Lower(58.135853,-135.643152)

Name of Observer (please print): Flynn Casey  
Signature: 10.231.39.10 (Web Nomination) Date: 02/21/2024  
Agency: \_\_\_\_\_  
Address: PO Box 110024  
Juneau, AK 99811

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): \_\_\_\_\_

# Alaska Department of Fish and Game

Habitat Section  
Southeast Region



## 114-34-10100-2032 Tributary 1

## ADDITION

**Water body name:**

**Quad:** Juneau A-5

**Upper Reach Latitude:** 58.134235 **Longitude:** -135.646410

**Lower Reach Latitude:** 58.135853 **Longitude:** -135.643152

**Survey date:** 9/12/2022

**Species & Lifestage:**

**Survey crew:** FC, RR

**Findings:** We surveyed this uncataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon. The tributary stream is buried under gravel bedload for at least 100 ft upstream of a 5 ft tall beaver dam, with subsequent beaver dams affecting the channel path downstream (Table 1; Figures 1–3).

**Recommendations:** Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon (Figure 4).

**Nomination:** Pending

Table 1.–114-34-10100-2032 tributary 1 survey data.

| Waypoint | Latitude  | Longitude   | Notes   | Stream Width ft | Stream Substrate             | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|---|-----------------|------------------------------|------------------|------------|---------------|----------------|
| 1755     | 58.134438 | -135.646808 | 3-4' tall beaver dam on main tributary just upstream of confluence with river-right tributary. Affecting route of main tributary stream. Advancing upstream of river-right tributary.   |                 |                              | Beaver Pond      |            | Not Fished    |                |
| 1756     | 58.134253 | -135.646388 | 1-yr CO capture.  | 6-8             | Small Gravel<br>Large Gravel | Cut Banks        | 1-2        | EF            | 2 CO           |
| 1757     | 58.134139 | -135.646452 | 4-5' tall beaver dam with ponding above. Stream braiding around tallest part of dam on river-left. Advancing upstream to find where stream becomes re-channelized.  |                 |                              |                  |            | Not Fished    |                |
| 1758     | 58.133879 | -135.646600 | Stream becomes slightly channelized ~50' downstream and encounters old ~5' tall beaver dam above which there is lots of gravel but no water. Dry bedload remnants of stream continue at least 100' upstream at increased gradient of 4-6%. Shocked downstream of dam. | 6-8             | Small Gravel<br>Large Gravel |                  | 2-4        | EF            | No Fish        |

Table 1.—Continued.

| Waypoint | Latitude  | Longitude   | Notes  | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|--|-----------------|------------------|------------------|------------|---------------|----------------|
| 1759     | 58.134501 | -135.641625 | Stream is affected by downstream (and likely upstream) beaver dams/ponding. Deep, somewhat stagnant stream runs through muskeg/tall grasses and is fairly undefined in some areas, with significant overflow into adjacent grasses. Not effective for survey via electrofishing. | 6-8             | Fine Organic     |                  | 1-2        | Not Fished    |                |
| 1760     | 58.134242 | -135.641334 | Series of small (1-2' tall), old beaver dams. Stream remains a thin/deep cut through muskeg/grasses upstream and increases in gradient upstream of that. Difficult to navigate and ineffective for electrofishing.   |                 |                  |                  |            | Not Fished    |                |
| 1761     | 58.134798 | -135.640333 | Somewhat undefined and similar to adjacent stream. Stream is not effective for survey via electrofishing and floods surrounding area, making navigating stream difficult.  | 2-4             | Fine Organic     |                  | 1-2        | Not Fished    |                |
| 1762     | 58.135704 | -135.637374 | Shocked several shallow pools where stream becomes more defined and meandering through woods adjacent to muskeg. Gradient increase. No fish capture; suspect downstream beaver damming constitutes temporary barrier to fish passage.  | 2-4             | Large Gravel     |                  | 4-6        | EF            | No Fish        |





Figure 1.—Channel at waypoint 1755.



Figure 2.—Juvenile coho salmon captured at waypoint 1756.



Figure 3.—Beaver dam with stream buried in gravel upstream at waypoint 1758.

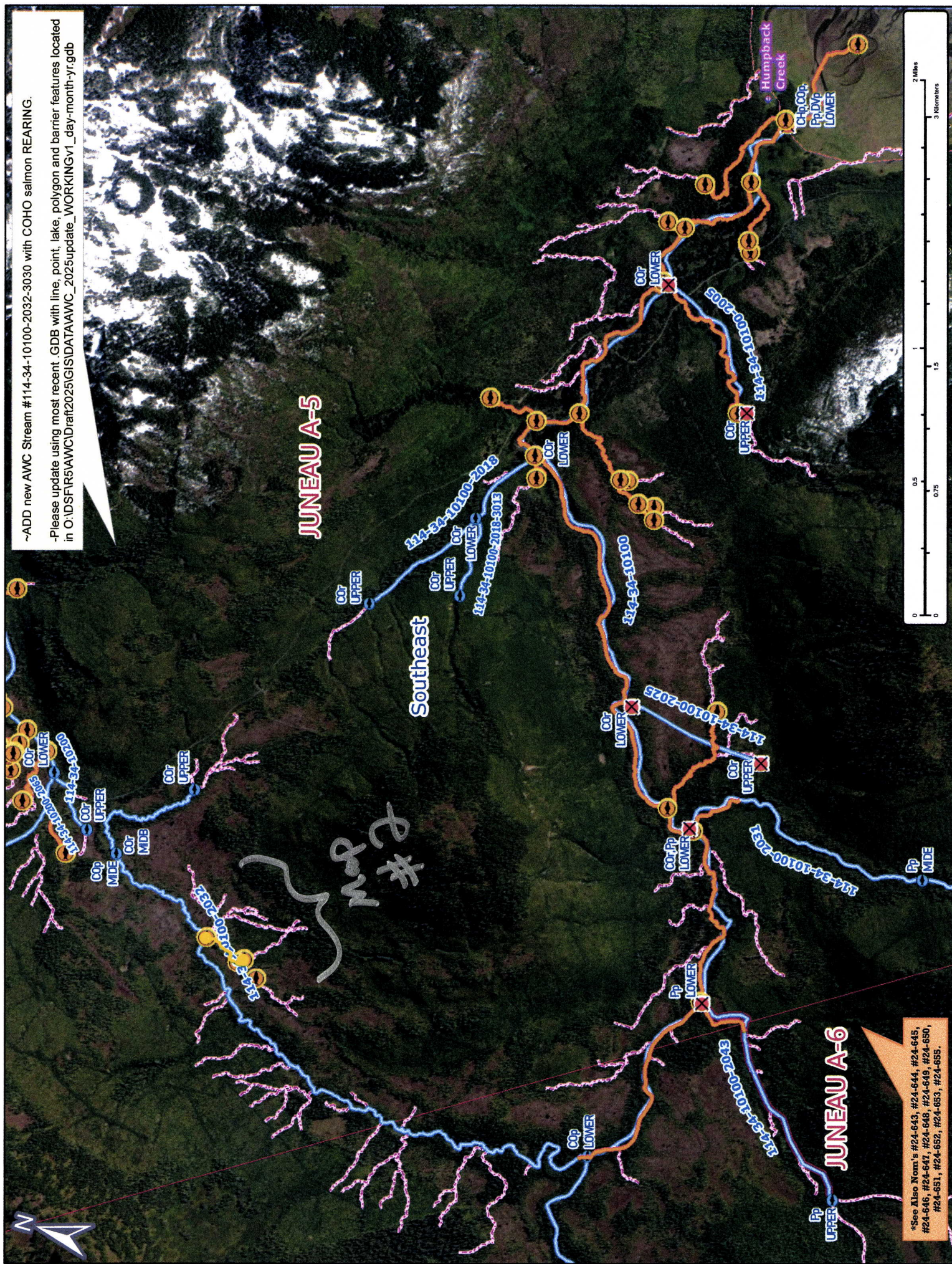




Figure 4.-114-34-10100-2032 tributary 1 addition map.



-Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DS\FR5AWC\Draft2025\GIS\DATA\AWC\_2025update\_WORKINGv1\_day-month-yr.gdb



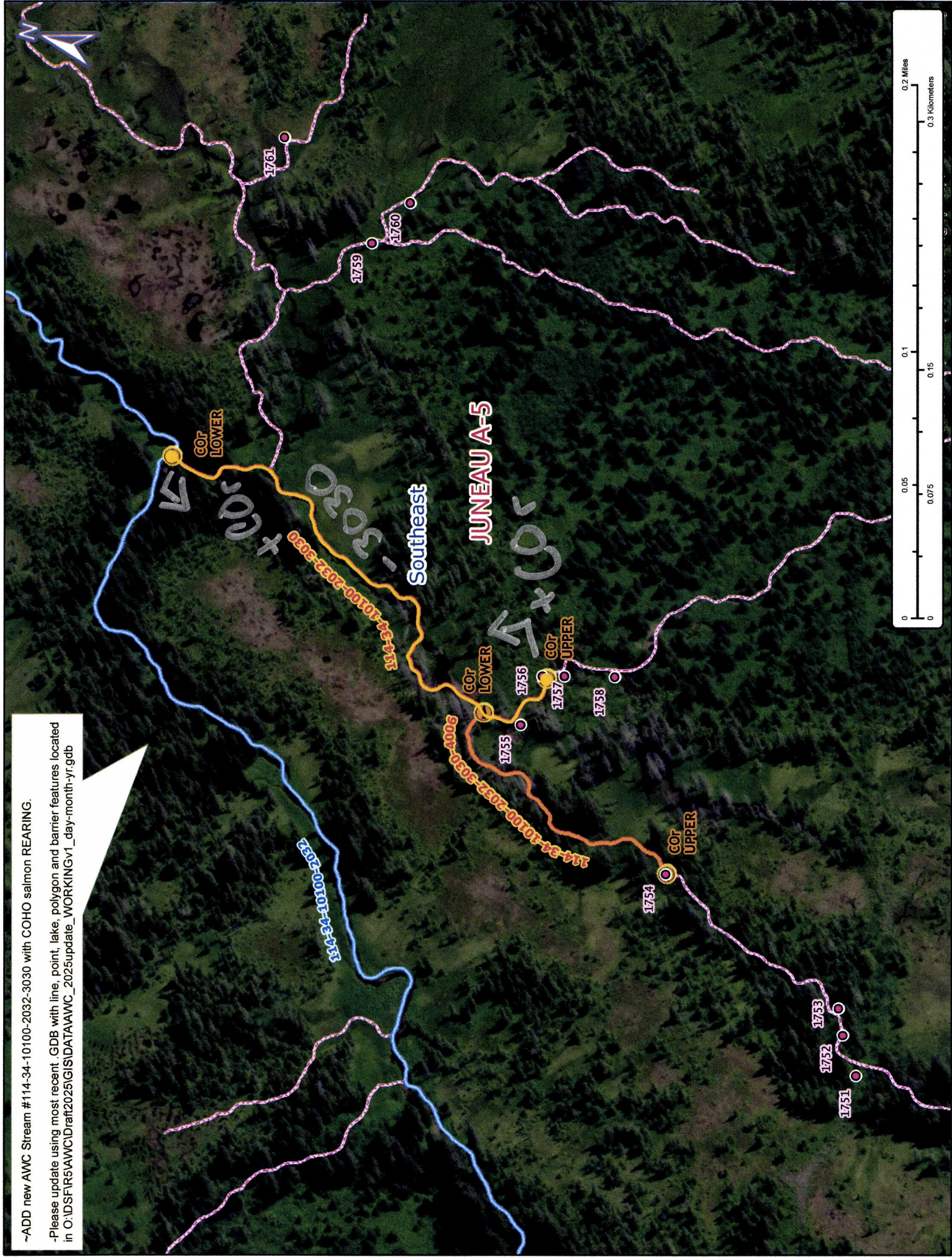
Map #1

Num #24-654



~ADD new AWC Stream #114-34-10100-2032-3030 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\_WORKING\vr1\_day-month-yr.gdb



Dom #24-654

Map #2