



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region Southeastern USGS Quad(s) PETERSBURG A-2

Anadromous Waters Catalog Number of Water Body 106-22-10080-2012

Name of Water Body *Sophie's Stream USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>25-805</u>		<u>10/24/2025</u>
Revision Year:	<u>2026</u>		<u>10/24/25</u>
Revision to:	<input checked="" type="checkbox"/> Atlas <input checked="" type="checkbox"/> Catalog		<u>23 Oct 2025</u>
Revision Code:	<u>A-2, E-9</u>		<u>10/31/2025</u>
		Fisheries Scientist	Date
		Habitat Operations Manager	Date
		AWC Project Biologist	Date
		GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/25/2025		✓		✓
pink salmon	08/25/2025	✓			✓

~ADD new AWC Stream #106-22-10080-2012 ""Sophie's Stream" with COHO salmon REARING and PINK salmon SPAWNING.
~ADD new BARRIER above new AWC Stream #106-22-10080-2012 ""Sophie's Stream".

Comments:
 Coordinates (Lat,Long): Upper(56.182132,-132.568579) Lower(56.177568,-132.572466)

Name of Observer (please print): Takoda Edlund
 Signature: 10.231.39.10 (Web Nomination) Date: 10/08/2025
 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



106-22-10080 Tributary 5

ADDITION

Water body name: Sophie's Stream

Survey date: 8/25/2025

Quad: Petersburg A-2

Species & Lifestage:

Upper Reach Latitude: 56.182132 **Longitude:** -132.568579

Survey crew: TE, CD, NJ

Lower Reach Latitude: 56.177568 **Longitude:** -132.572466

Findings: We surveyed this uncataloged stream up to an anadromous fish barrier using a backpack electrofisher, baited minnow traps and GPS and captured juvenile coho salmon, Dolly Varden and cutthroat trout. We also visually identified adult pink salmon spawning throughout the stream. At its lower reaches, this stream flows at a mild 1–2% gradient with predominantly large and small gravel substrate providing quality spawning and rearing habitat. At waypoint 1034, the channel becomes highly incised with mostly bedrock substrate and increases grade to 5%. At waypoint 1035, we identified a bedrock water fall with water cascading nearly vertical for 30 ft with no jump pool at the base. This is likely blocking any anadromous fish passage upstream, even in higher flows. (Table 1; Figures 1–3)

Recommendations: Add this uncataloged stream to the anadromous waters catalog up to waypoint 1034 for rearing coho salmon and spawning pink salmon and add a barrier point at waypoint 1035 (Figure 4).

Nomination: Pending

Table 1.—106-22-10080 Tributary 5 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1009	56.179196	-132.569258	Fish habitat continues beyond pipe. Approximately 20 adult pinks observed about 250 feet upstream of pipe. 7 foot squash, metal pipe. Has at least two grade control baffles one at the inlet and one at the outlet. Baffle at the outlet is a little weird with a 6 inch fall in the middle. Setting minnow trap at inlet due to seeing fish throughout the pipe. Channel is approximately 10 feet wide and mild gradient. Back watered all the way.	6-8	Cobble	Spawning Substrate	2-4	MT	20 P 5 CO 1 CT
1032	56.18072	-132.569648	Nice stream with spawning substrate and great rearing habitat throughout. Spawning pink salmon visually identified as well as as rearing Coho. Continuing upstream	15-20	Large Gravel Small Gravel		1-2	VI	8 P 100+ CO
1033	56.181795	-132.568847	Increases gradient to around 5% here. Small log jam base of gradient increase. CO caught above jam. Continuing upstream.	15-20	Cobble Large Gravel	LWD Log Jams	4-6	EF	2 CO 1 DV
1034	56.182132	-132.568589	Channel has become highly incised in bedrock. Gradient still around 5%. No spawning substrate seen. Base of small bedrock cascade. 25% for 20 feet. CO caught below. Continuing upstream.	15-20	Bedrock Cobble	Incised Channel	4-6	EF	2 CO
1035	56.182333	-132.568304	Bedrock Falls identified. Definite barrier to anadromy. No jump pools with gradient almost vertical for 30 feet. Bedrock chute downstream of falls. No fish caught at base of fall. Highly incised.	15-20	Bedrock Cobble	Incised Channel	45-50	EF	No Fish



Figure 1.—Juvenile coho salmon caught at waypoint 1034.

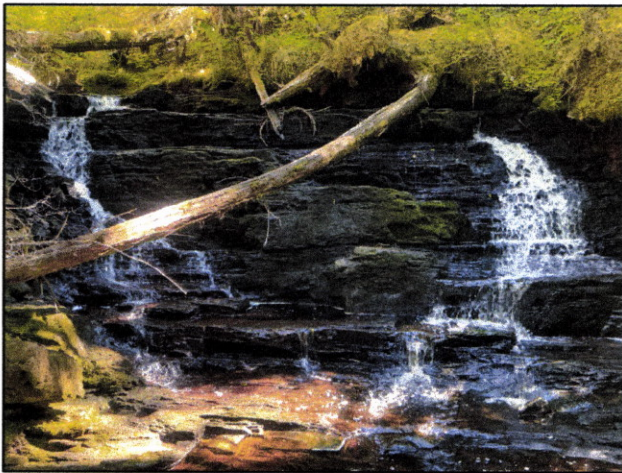


Figure 2.—Bedrock falls identified as barrier to fish passage at waypoint 1035.



Figure 3.—Channel at waypoint 1033.

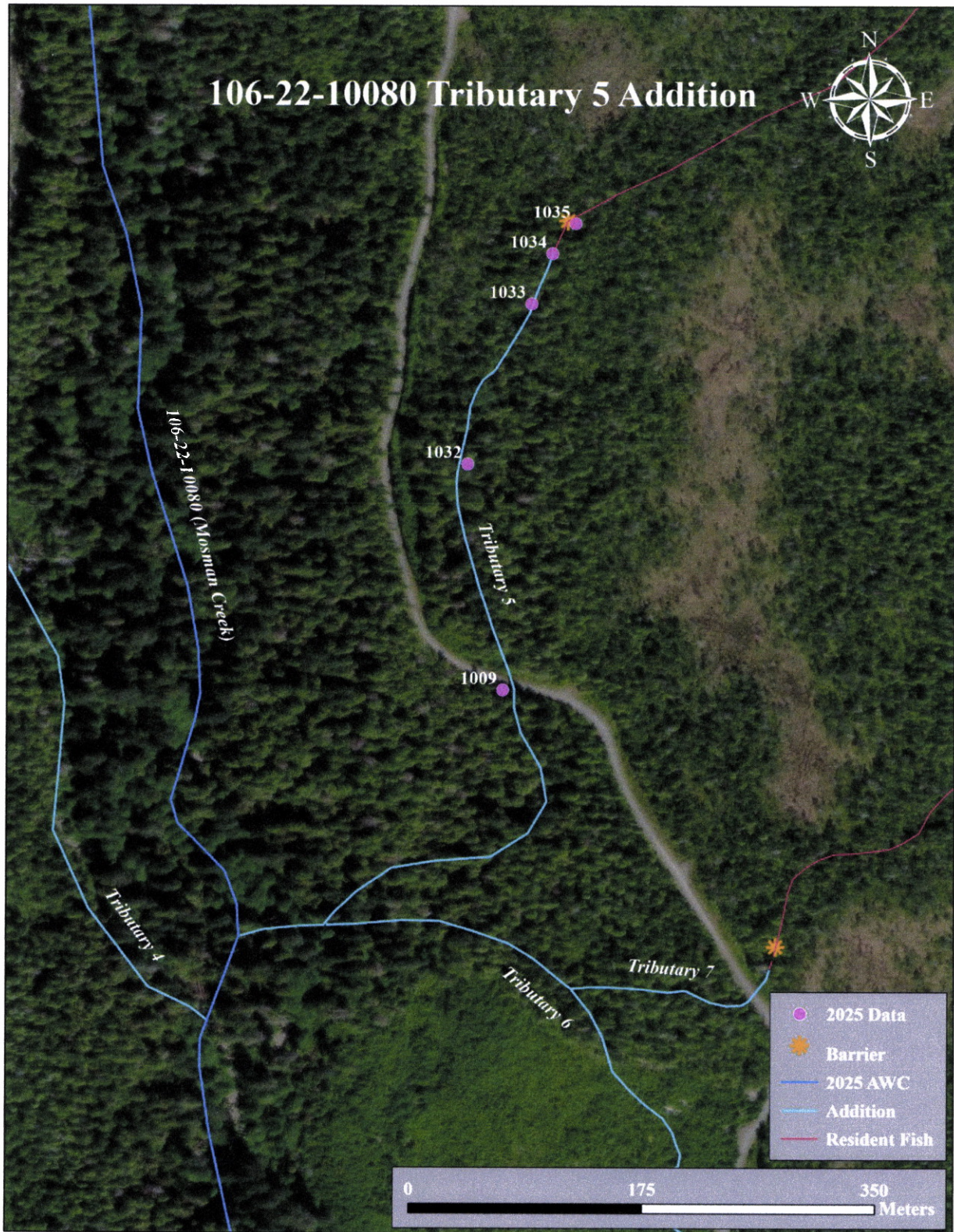


Figure 4.—106-22-10080 Tributary 5 Addition map.

-ADD new AWC Stream #106-22-10080-2012 "Sophie's Stream" with COHO salmon REARING and PINK salmon SPawning.

-ADD new BARRIER above new AWC Stream #106-22-10080-2012 "Sophie's Stream".

+ Please update using most recent GDB with line, point, lake, polygon and barrier features located in O:\DS\FR5AWC\Draft2026\GISData\AWC2026_WrkingV1_7April2025.gdb



See Also Nmr's #25-802 to #25-804, #25-806 and #25-807

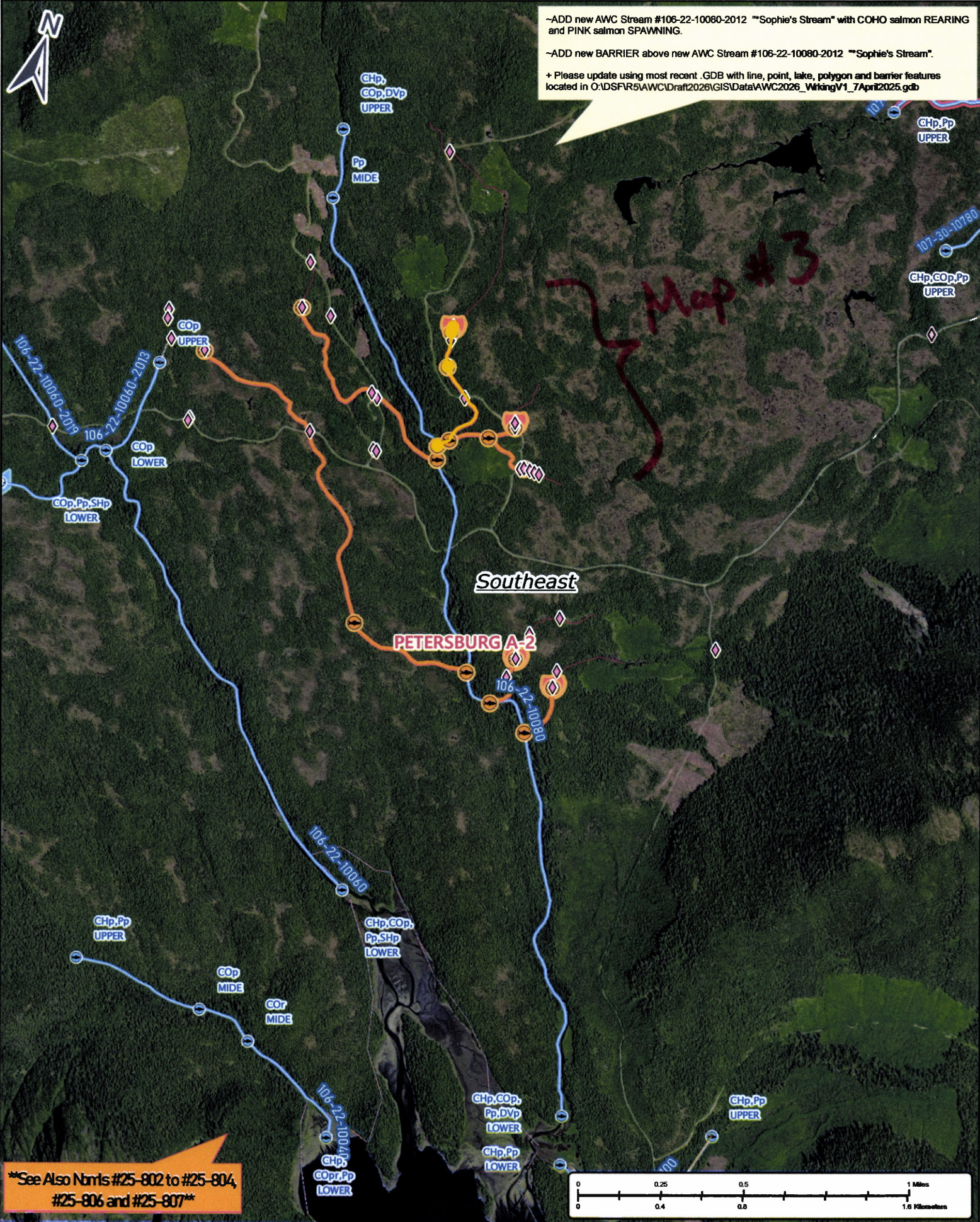
Nmr #25-805

Map #1

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See Also Noms #25-802 to #25-804, #25-806 and #25-807

Nom # 25-805

Map #2

-ADD new AWC Stream #106-22-10080-2012 "Sophie's Stream" with COHO salmon REARING and PINK salmon SPAWNING.

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New Barrier

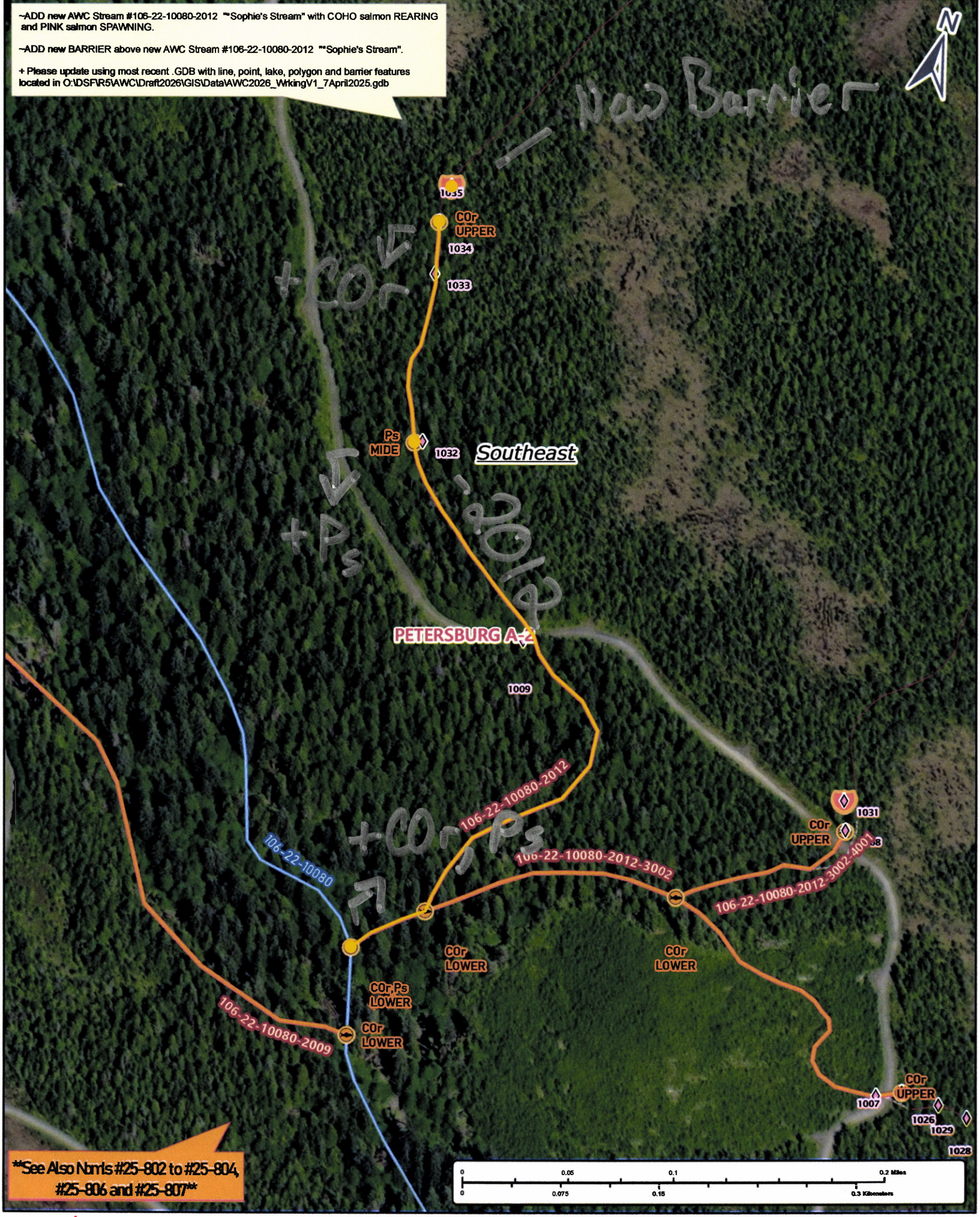
+COR

+Ps

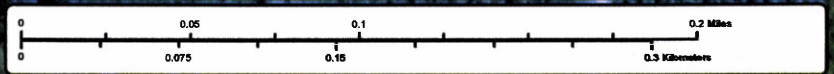
+COR, Ps

PETERSBURG A-2

Southeast



See Also Noms #25-802 to #25-804, #25-806 and #25-807



Nom # 25-805

Map # 3