



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region Southeastern

USGS Quad(s) PETERSBURG D-4, D-5

Anadromous Waters Catalog Number of Water Body 106-43-10590

Name of Water Body *Bohemian River ☐ USGS Name ☒ Local Name

☒ Addition ☐ Deletion ☒ Correction ☐ Backup Information

For Office Use

Nomination # <u>24-692</u>	<u>Adam Reim</u> Fisheries Scientist <u>7-24-2024</u> Date
Revision Year: <u>2025</u>	<u>Ron Barkert</u> Habitat Operations Manager <u>7/24/2024</u> Date
Revision to: ☒ Atlas ☒ Catalog	<u>Joseph Giffin</u> AWC Project Biologist <u>19 July 2024</u> Date
Revision Code: <u>C-7, A-3, A-1, B-2, B-6</u>	<u>P.A.</u> GIS Analyst <u>8/5/2024</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	08/23/2023		✓		✓
cutthroat trout	08/23/2023			✓	
Dolly Varden	08/23/2023			✓	

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

Extend upper extent of Stream No. 106-43-10590 in the anadromous waters catalog and add rearing coho salmon to species (Figure 5). Extend the downstream reach of stream into the intertidal (Figure 6).
Coordinates (Lat,Long): Upper(56.970587,-133.503545) Lower(56.870079,-133.332602)

Name of Observer (please print): Claire Delbecq
Signature: 10.231.39.10 (Web Nomination) Date: 02/28/2024
Agency: _____
Address: PO Box 110024
Juneau, AK 99824

~UPDATE/RELOCATE stream mouth point of existing AWC Stream #106-43-10590 closer to approximate location of Mean-Low-Low-Water (MLLW).

~ADD local name ""Bohemian River" to existing AWC Stream #106-43-10590.

~Extend upper reach of COHO salmon PRESENT in existing AWC Stream #106-43-10590.

~ADD new species life-phase COHO salmon REARING and extend existing AWC Stream #106-43-10590.

Alaska Department of Fish and Game

Habitat Section
Southeast Region



106-43-10590

ADDITION

Water body name:

Survey date: 8/23/2023

Quad: Petersburg D-5

Species & Lifestage: CHp, COp, Pp, DVp, SHp

Upper Reach Latitude: 56.970587 **Longitude:** -133.503545

Survey crew: CD, FC, EK

Lower Reach Latitude: 56.870079 **Longitude:** -133.332602

Findings: We surveyed this cataloged stream using a backpack electrofisher, baited minnow traps, and GPS and captured juvenile coho salmon, cutthroat trout, and Dolly Varden (Figure 1). Stream maintains a low gradient and has spawning substrate throughout the area surveyed (Table 1; Figures 2–4). The survey was concluded due to a lack of time; anadromous fish habitat continues upstream of final survey point.

Recommendations: Extend upper extent of Stream No. 106-43-10590 in the anadromous waters catalog and add rearing coho salmon to species (Figure 5). Extend the downstream reach of stream into the intertidal (Figure 6).

Nomination: Pending

Table 1.—106-43-10590 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
684	56.959217	-133.493492	Minnow trap at 1318. Should come back here to efish.						1 CO 2 CT
767	56.959675	-133.494270	Fishing upstream of Coho capture under bridge. Tributary enters river left. Excellent spawning and rearing habitat.	20-25	Large Gravel		2-4		CT DV
768	56.959291	-133.495969	Trib river right. Coho capture just above tributary.					EF	2 CO
769	56.960115	-133.497909	Coho capture , stream course follows imagery				0-1		2 CO
770	56.960786	-133.501183	Stream continues, same gradient, no barriers.						
771	56.961932	-133.503707							2 CO
772	56.963052	-133.506231	Blown out beaver dams, good flow and nice spawning substrate						
773	56.965459	-133.507275	Stream curves significantly towards hillside as seen in imagery.		Large Gravel				
774	56.966441	-133.506029							2 CO
775	56.967027	-133.506098	Trib river right						
776	56.970607	-133.503667	Turning around here due to time, excellent low gradient spawning substrate habitat continues upstream. Worth further investigation if time allows.						2 CO 1 CT



Figure 1.—Juvenile coho salmon captured at waypoint 774.



Figure 2.—Stream No. 106-43-10590 at waypoint 684.



Figure 3.—Stream No. 106-43-10590 at waypoint 774.



Figure 4.—Old beaver dam at waypoint 772.

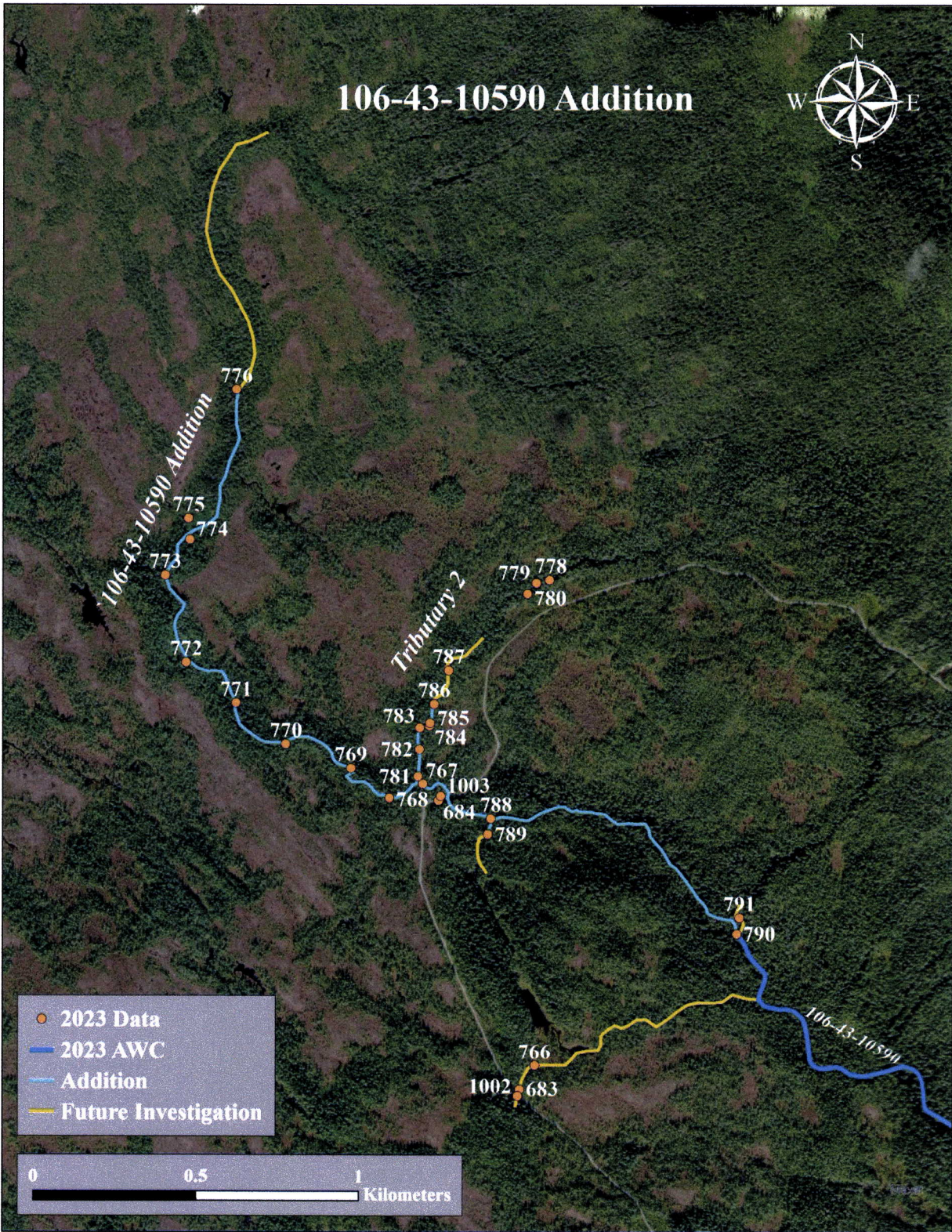


Figure 5.—Stream No. 106-43-10590 addition map.

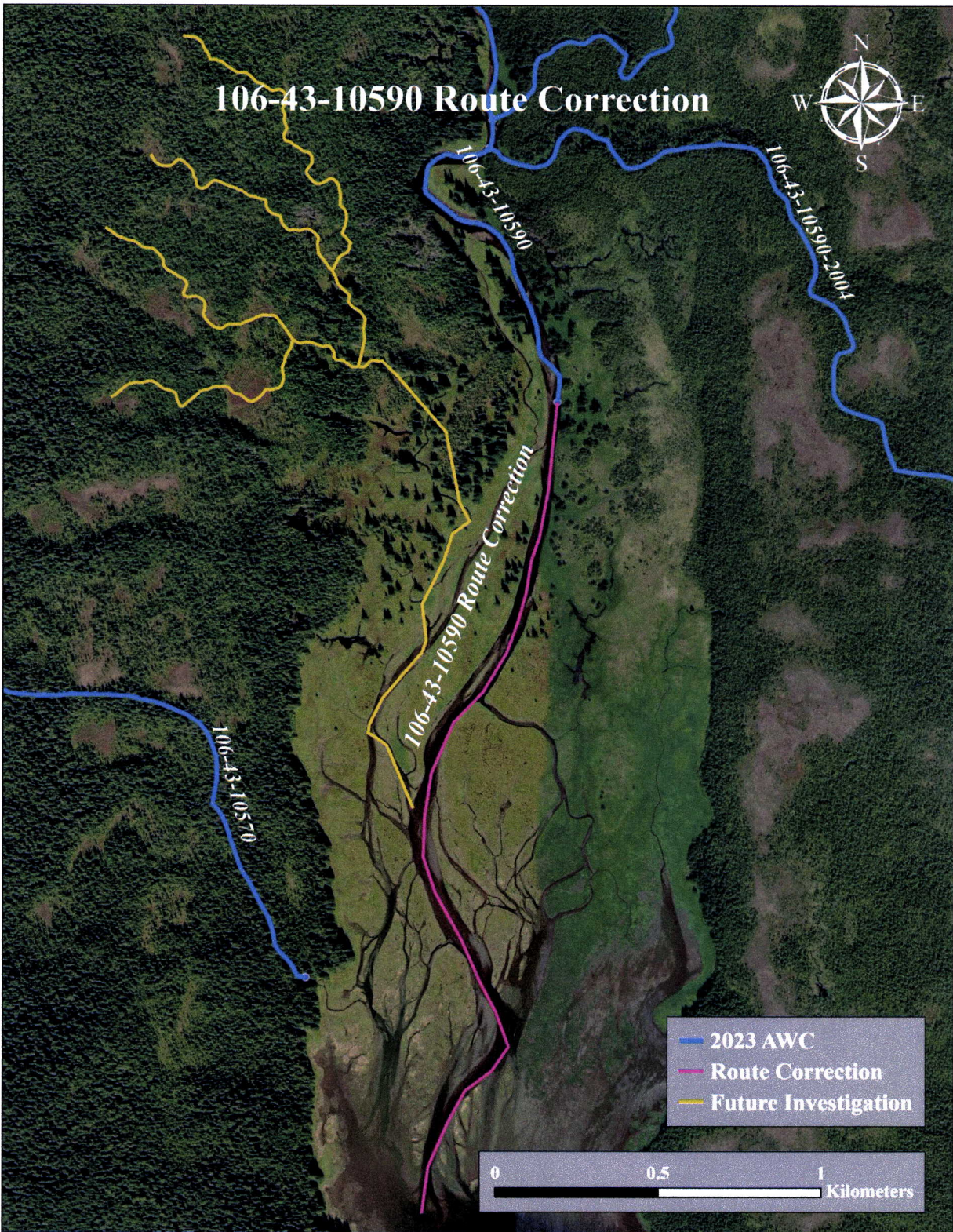
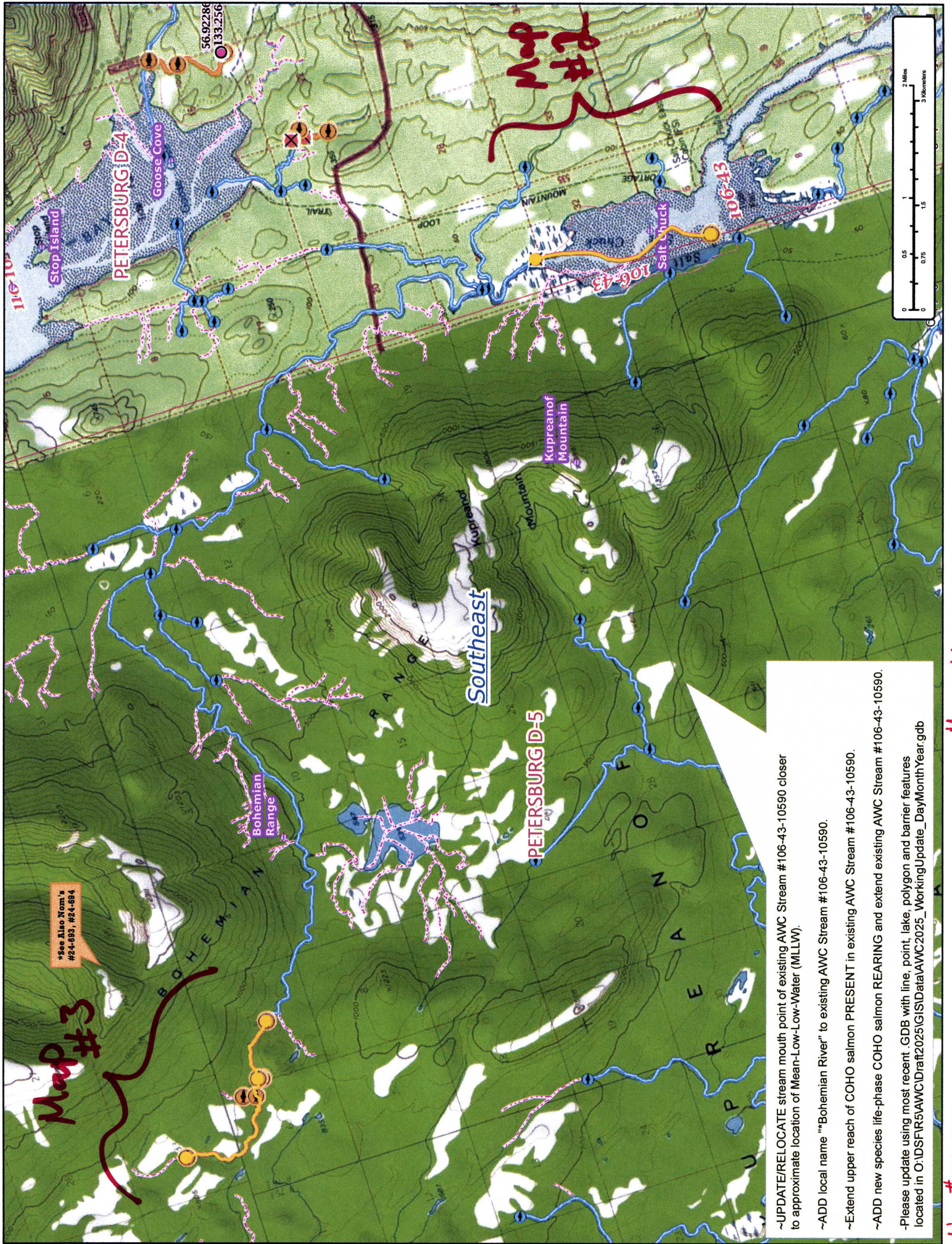


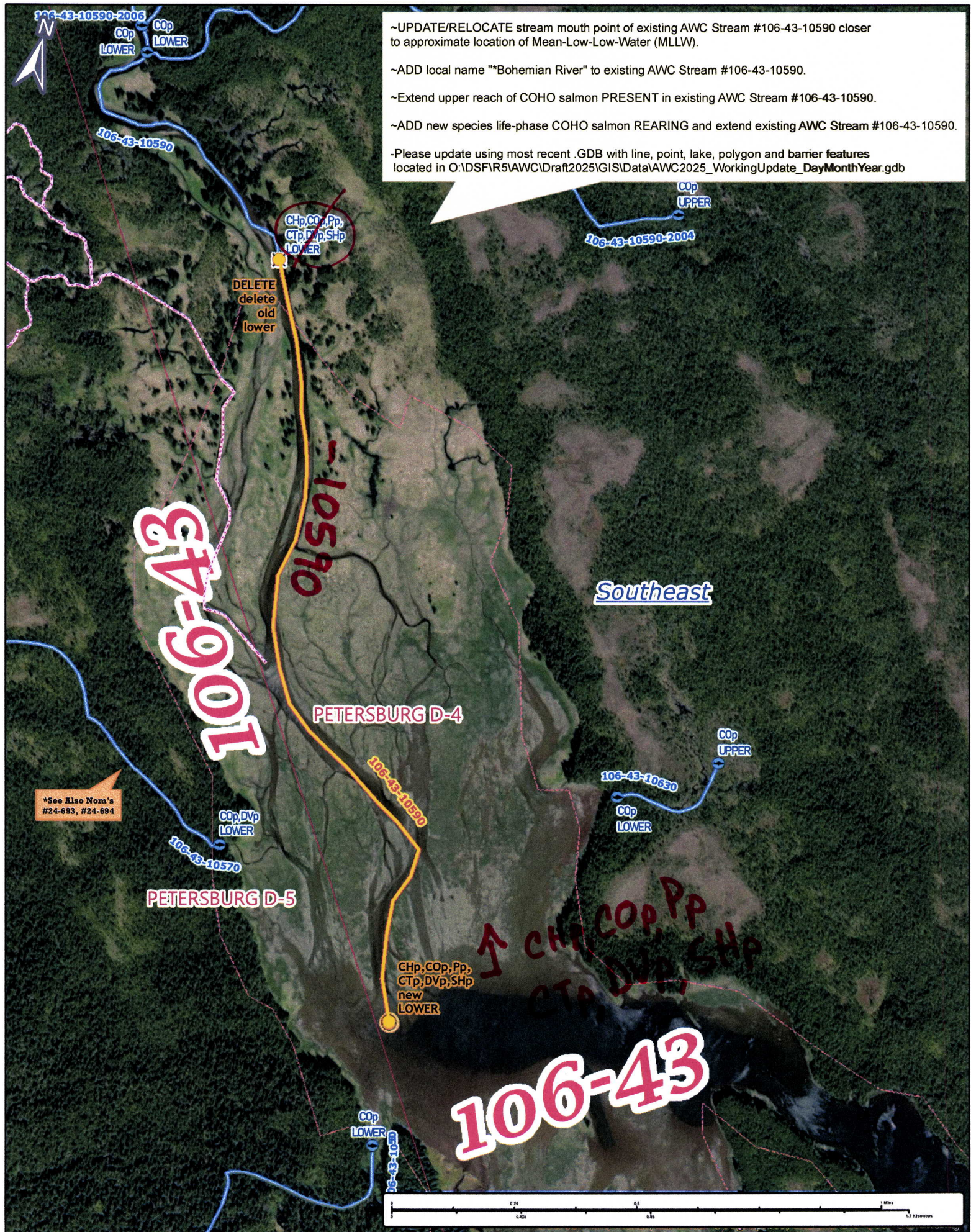
Figure 6.—Stream No. 106-43-10590 route correction map.



- ~UPDATE/RELOCATE stream mouth point of existing AWC Stream #106-43-10590 closer to approximate location of Mean-Low-Water (MLLW).
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- ~Extend upper reach of COHO salmon PRESENT in existing AWC Stream #106-43-10590.
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- ~Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DSF\IR5\AWC\Draft2025\GISData\AWC2025_WorkingUpdate_DayMonthYear.gdb

Map #24-692

Map #1



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Map #3

Tom #24-692