



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region SOUTHEASTERN

USGS Quad(s) PETERSBURG D-6

Anadromous Waters Catalog Number of Water Body 109-42-10100-2001

Name of Water Body ☐ USGS Name ☐ Local Name

☒ Addition ☐ Deletion ☒ Correction ☐ Backup Information

For Office Use

Nomination # <u>24-717</u>	<u>Adam Kinn</u> Fisheries Scientist Date <u>10-2-2024</u>
Revision Year: <u>2025</u>	<u>Ron Benhart</u> Habitat Operations Manager Date <u>9/9/2024</u>
Revision to: <input checked="" type="checkbox"/> Atlas <input checked="" type="checkbox"/> Catalog	<u>Joseph L. Lipp</u> AWC Project Biologist Date <u>6 Aug 2024</u>
Revision Code: <u>B-1, A-1, C-9</u>	<u>P. L.</u> GIS Analyst Date <u>10/4/2024</u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/07/2023		✓		✓

~UPDATE/ADJUST hydrography of existing AWC Stream #109-42-10100-2001.

~ADD new species COHO salmon REARING to existing AWC Stream #109-42-10100-2001.

~EXTEND existing AWC Stream #109-42-10100-2001 with COHO salmon REARING.

*Process Nom #24-719 first *

Comments:

Extend upper extent of Stream No. 109-42-10100-2001 in the anadromous waters catalog and add rearing coho salmon to species.
Coordinates (Lat,Long): Upper(56.903195,-133.687856) Lower(56.888195,-133.717459)

Name of Observer (please print): Claire Delbecq
Signature: 10.231.39.10 (Web Nomination) Date: 03/14/2024
Agency: _____
Address: PO Box 110024
Juneau, AK 99824

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



109-42-10100-2001

ADDITION

Water body name:

Quad: Petersburg D-4

Upper Reach Latitude: 56.903195 **Longitude:** -133.687856

Lower Reach Latitude: 56.888195 **Longitude:** -133.717459

Survey date: 6/7/2023

Species & Lifestage: DVp

Survey crew: CD, FC

Findings: We surveyed this cataloged stream using a backpack electrofisher, baited minnow traps, and GPS and captured juvenile coho salmon (Figure 1). Stream is forested, maintains a low gradient, and flows through multiple beaver complexes (Table 1; Figures 2–4). We concluded our survey due to a lack of time; anadromous fish habitat likely continues upstream of final survey point.

Recommendations: Extend upper extent of Stream No. 109-42-10100-2001 in the anadromous waters catalog and add rearing coho salmon to species (Figure 5).

Nomination: Pending

Table 1.—109-42-10100-2001 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
129	56.886788	-133.706336	MT soaked for 3.5 hrs just upstream of 10-12' CSP culvert inlet; fairly rusted. No fish in MT; tried electrofishing and caught one 1-2 yr old CO. Suspect some of our bait eggs may be old/ineffective. Advancing upstream.	15-20	Sand Small Gravel		0-1	MT	No Fish
139	56.886931	-133.706172	Young-of-year CO capture. Return to investigate main channel and tributaries upstream.	12-15	Small Gravel Sand	Cut Banks	0-1	EF	1 CO
157	56.886908	-133.704912	Small backwatered trib on river-left.						
158	56.887277	-133.704394	Surveying upstream from culvert. 50+ CO via visual identification.	15-20	Small Gravel		0-1	HN	2 CO
159	56.887243	-133.704130	Prevailing flow coming from river-left with river-right being likely large braid based on imagery. Large beaver dam ~40' upstream of confluence; blown out on river-right side and CO observed upstream via visual identification.						
160	56.887133	-133.703875							

Table 2.—109-42-10100-2001 survey data continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
160	56.887133	-133.703875							
161	56.887128	-133.702938	3-4' beaver dam with equally deep or deeper jump pool. CO observed above via visual identification.						
162	56.888007	-133.699845	Large interconnected beaver dam complex. Young-of-year CO capture. Advancing upstream towards more forested area to find more distinguished stream channel.						
163	56.888253	-133.697990	Becomes confined to one clear channel complete with gravel substrate and lots woody debris / low flow spots.	15-20	Small Gravel Large Gravel	Spawning Substrate LWD	0-1	VI	25+ CO
164	56.892180	-133.687712	Confluence of river-right main channel and river-left tributary. Channel became increasingly incised soon after previous downstream waypoint and has started to increase in gradient over the last ~200' downstream of this waypoint. Still observing young-of-year CO via visual identification. Advancing up main.	15-20	Large Gravel Cobble	Incised Channel	4-6		
165	56.892976	-133.686775	Young-of-year CO capture in side pool just downstream of bedrock chute/falls accumulating about 5'.	10-12	Cobble Bedrock	Incised Channel Step Pools	4-6	EF	2 CO
166	56.894282	-133.685196	River-left tributary with steep gradient precluding anadromous fish passage.						
167	56.894678	-133.685513							
168	56.896210	-133.687179	Gradient mellowed out over the last 300' downstream of this waypoint and stream flows from another beaver dam complex. Have still observed young-of-year CO up to this point.	12-15	Large Gravel Small Gravel		1-2	EF	CO

Table 3.-109-42-10100-2001 survey data continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
169	56.896596	-133.687868	Young-of-year CO capture in river-left tributary leading into beaver pond. Return to extend after continuing up the main channel.	2-4	Small Gravel Large Gravel		1-2	EF	2 CO
170	56.900787	-133.688517	Young-of-year CO capture about 150' upstream of small river-left tributary as main channel is becoming more channelized.	2-4	Small Gravel Sand		1-2	EF	2 CO
171	56.899959	-133.689398	Jumped into woods to get over hill while stream was dechannelized in beaver pond complex. CO visual identification; advancing to where steam emerges from more forested area and rechannelizes.						
172	56.903532	-133.687150	Shocked for the last 200' downstream to this waypoint, but no fish capture. Ending survey due to time constraints.	6-8	Small Gravel Large Gravel		1-2	EF	No Fish
173	56.903203	-133.687856	Young-of-year CO capture just downstream of beaver dam with some subsurface flow. Taking more effort catch CO, seemingly lower fish density than downstream.	6-8	Small Gravel Large Gravel		1-2	EF	2 CO



Figure 1.—Juvenile coho salmon captured at waypoint 170.



Figure 2.—Beaver dam at waypoint 161.



Figure 3.—Channel at waypoint 163.



Figure 4.—Channel at waypoint 173.

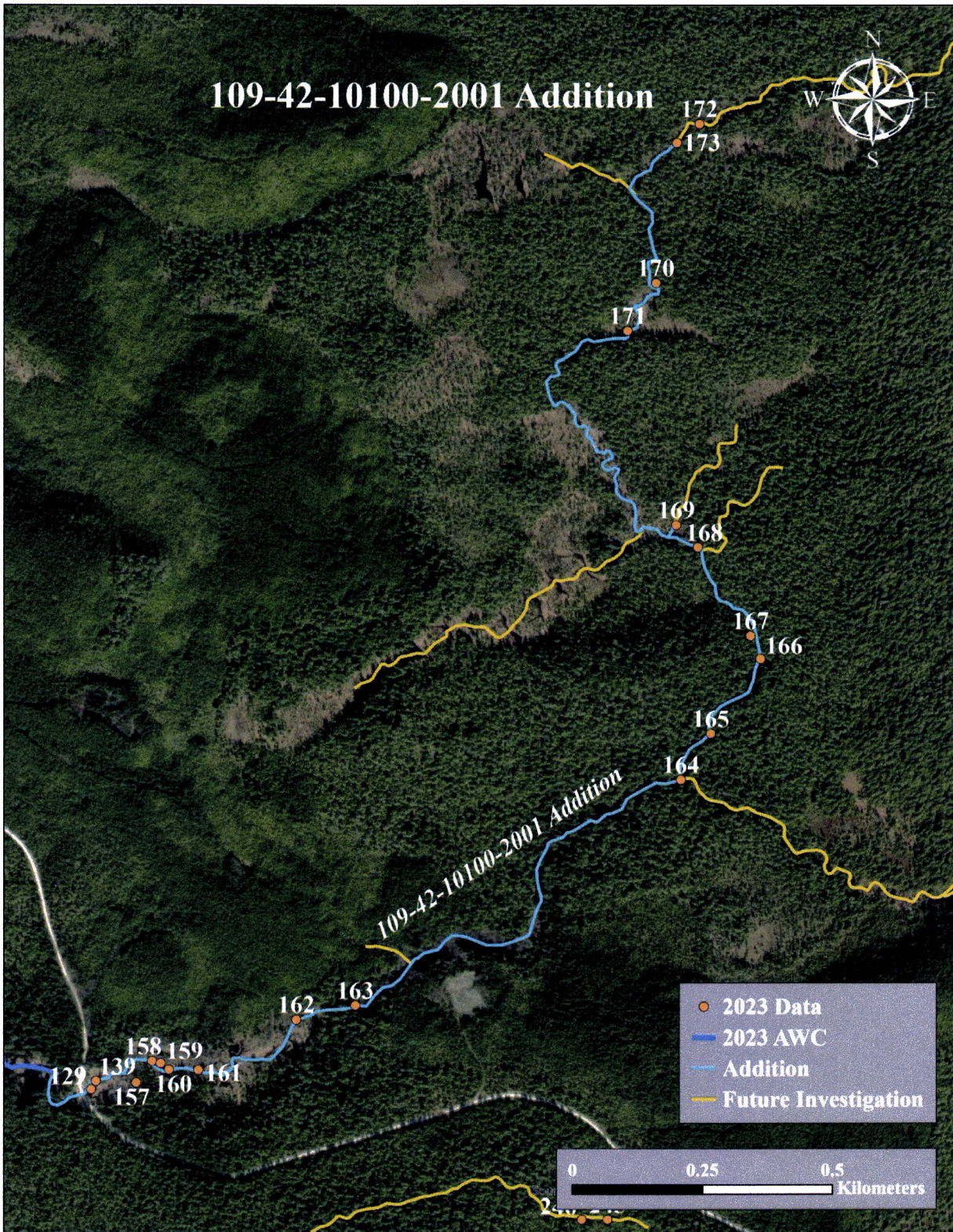


Figure 5.—Stream No. 109-42-10100-2001 addition map.



*See Also Nom's #24-696, #24-697, #24-698, #24-708, #24-709, #24-716, #24-717, #24-718, #24-719, #24-720

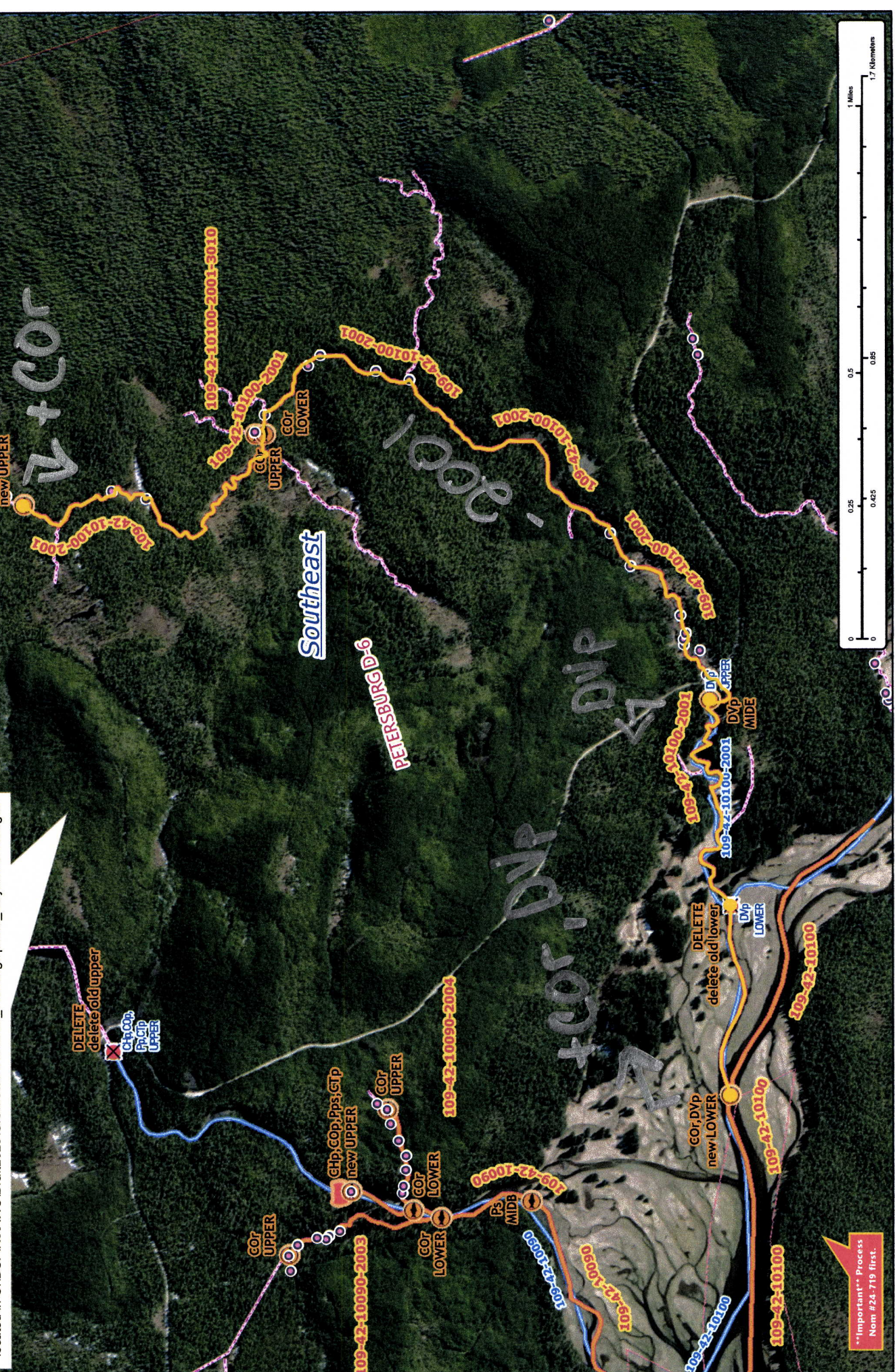
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- Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DSFR5\AWC\Drat2025\GISData\AWC2025_WorkingUpdate_DayMonthYear.gdb

Important Process Nom #24-719 first.

Nom #24-717 Map #2 Map #1



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Important Process
Nom #24-719 first.

Map #2

Nm #24-717