

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-34-10100-2032 Tributary 1

ADDITION

Water body name:

Survey date: 9/12/2022

Quad: Juneau A-5

Species & Lifestage:

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

Survey crew: FC, RR

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

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 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 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.

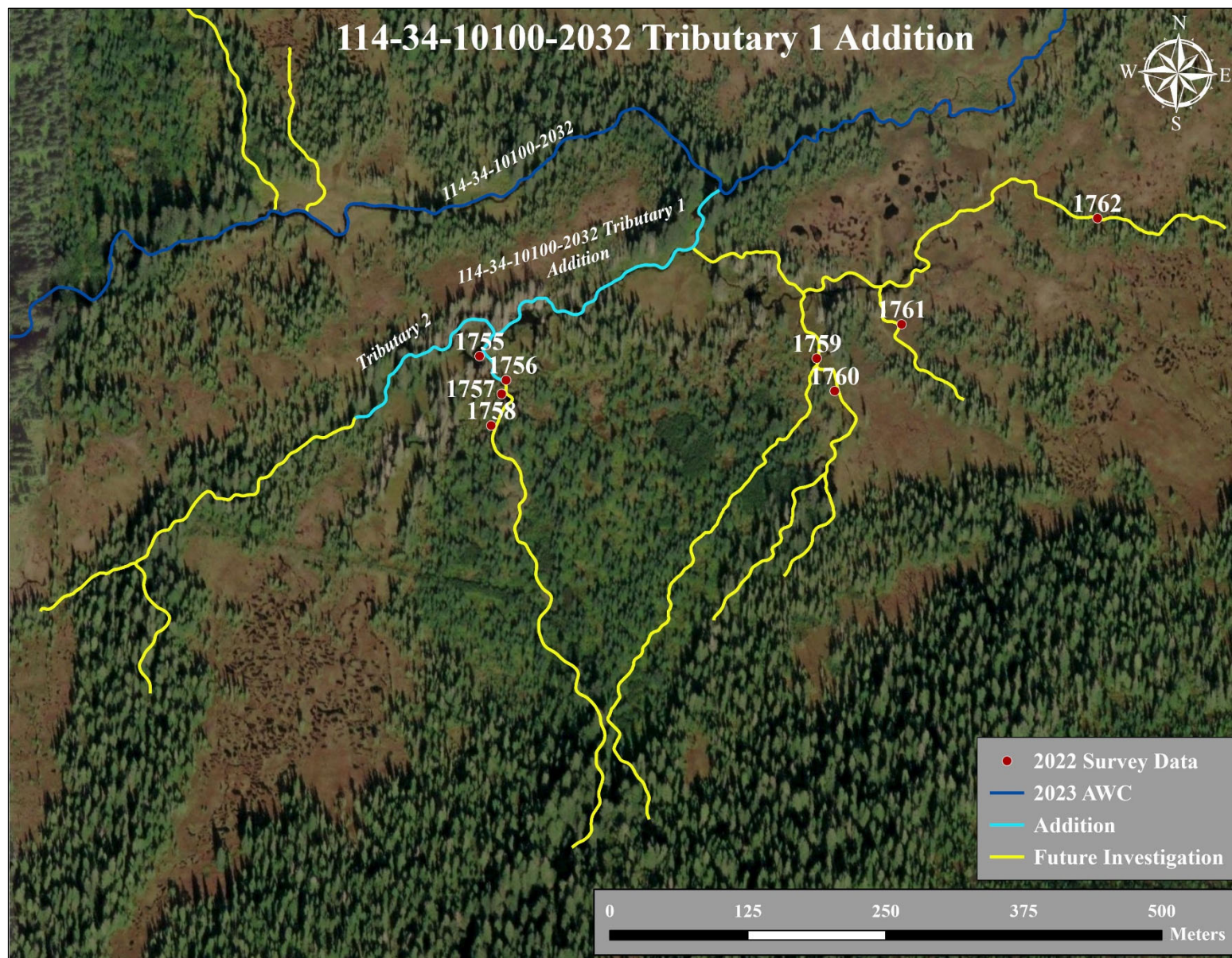


Figure 4.–114-34-10100-2032 tributary 1 addition map.