

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-34-10100 Tributary 5

ADDITION

Water body name:

Survey date: 9/23/2023

Quad: Juneau A-5

Species & Lifestage:

Upper Reach Latitude: 58.106414 **Longitude:** -135.613175

Survey crew: FC, NJ, DK

Lower Reach Latitude: 58.108870 **Longitude:** -135.601836

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon, Dolly Varden, cutthroat trout, and sculpin. The tributary stream flows through a gravel-dominated channel with lots of cut banks, and through a reach with quality spawning substrate (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 tributary 5 survey data.

Waypoint	Latitude	Longitude	Notes	Stream	Stream	Habitat Features	Gradient %	Sample Effort	Sample Results
				Width ft	Substrate				
867	58.108733	-135.602607	On river-right tributary to Humpback Creek. 1-yr CO capture ~50' upstream of significant log jam. Lots of large and small wood in stream and some headcutting. Advancing upstream.	10-12	Large Gravel Small Gravel	Spawning Substrate Log Jams	2-4	EF	2 CO
868	58.108713	-135.604031	Continued 1-yr CO capture. Electrofisher giving IGBT failure upon each start-up but continuing to shock after resetting. Monitoring failure.	8-10	Large Gravel Small Gravel	Spawning Substrate LWD	4-6	EF	2 CO 1 SC
873	58.105410	-135.613681	Electrofished unmarked river-right tributary stream; no fish observed.	2-4	Small Gravel Fine Organic		2-4	EF	No Fish
874	58.105507	-135.614247		4-6	Small Gravel Large Gravel	Cut Banks SWD	4-6	EF	1 CT
881	58.106254	-135.613456		2-4	Small Gravel Large Gravel	Cut Banks	2-4	EF	1 SC 2 DV
882	58.106438	-135.613074				Large Pool		EF	1 DV
883	58.106419	-135.613315	1-yr CO capture.	6-8	Small Gravel Large Gravel	Cut Banks	2-4	EF	2 CO



Figure 1.—Channel at waypoint 883.



Figure 2.—Juvenile coho salmon captured at waypoint 883.

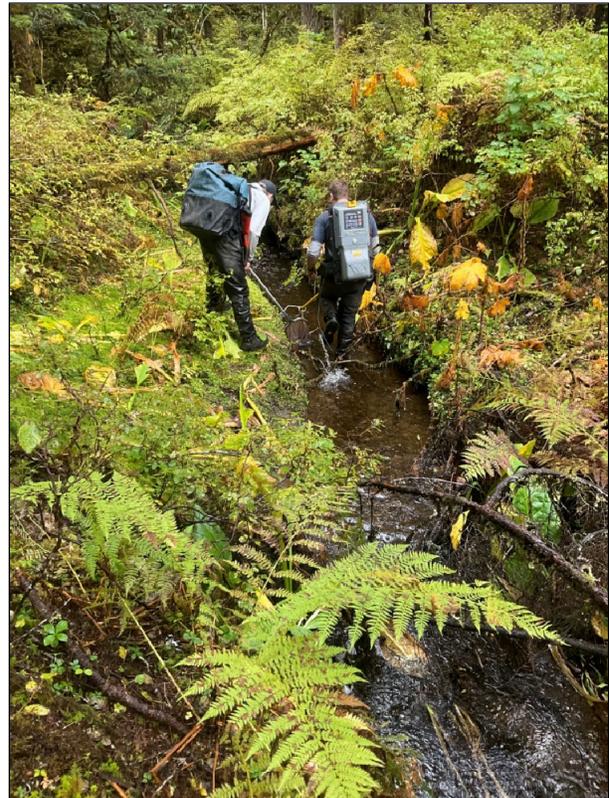


Figure 3.—Staff electrofishing at waypoint 874.

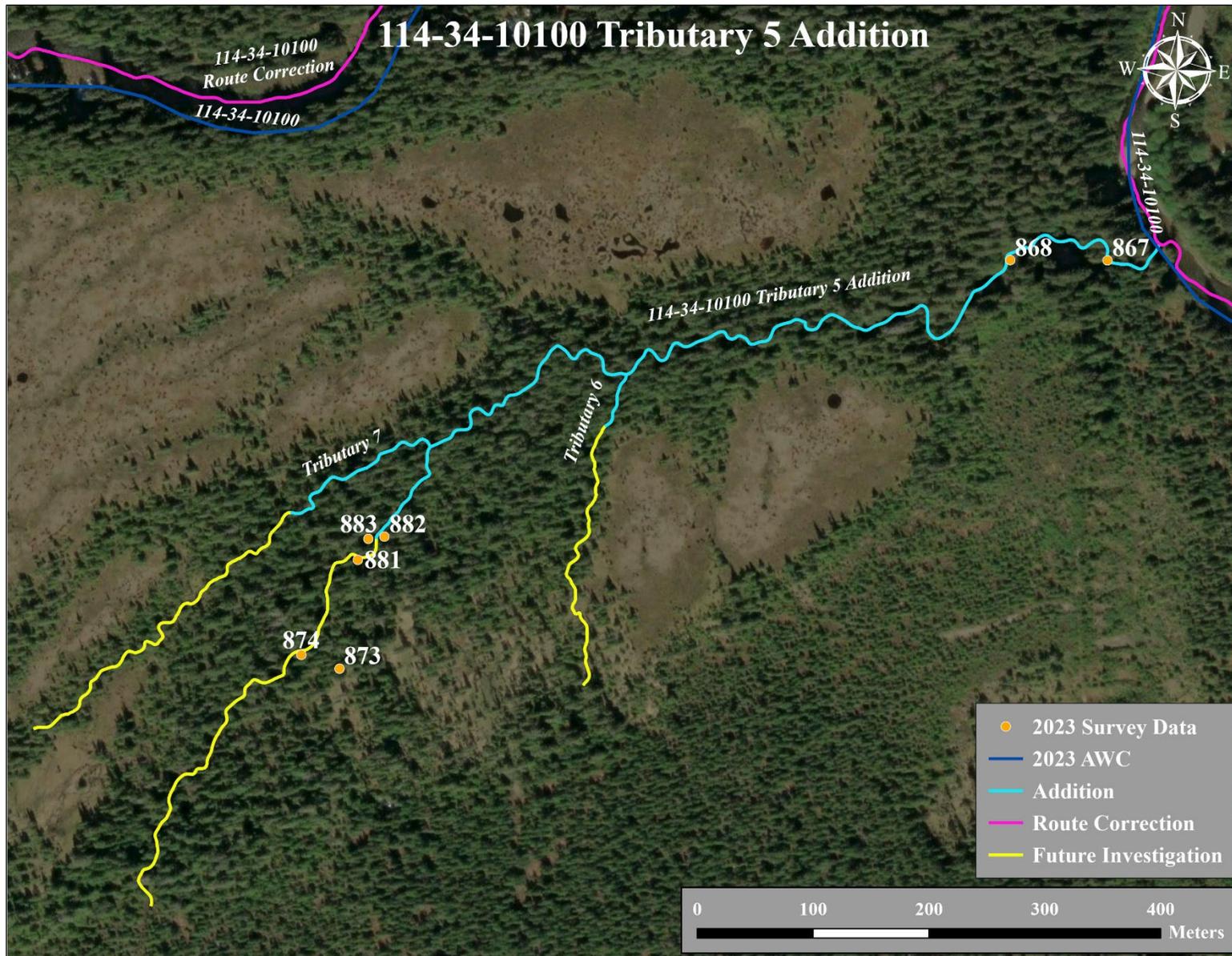


Figure 4.–114-34-10100 tributary 5 addition map.