

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10130-2003 Tributary 1

ADDITION

Water body name:

Survey date: 6/3/2022; 9/20/2023

Quad: Juneau A-5

Species & Lifestage:

Upper Reach Latitude: 58.062971 **Longitude:** -135.486246

Survey crew: FC, DK, NJ, RR

Lower Reach Latitude: 58.066883 **Longitude:** -135.483271

Findings: We surveyed this uncataloged stream up to an anadromous fish barrier using a backpack electrofisher, baited minnow traps, and GPS. We captured juvenile coho salmon and cutthroat trout. The tributary stream flows through a perched culvert; roughly one third of a mile downstream of the road crossing, it descends a steep-gradient hillside and falls over a rock wall barrier (Table 1; Figures 1–4).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon and add anadromous fish barrier (Figure 5).

Nomination: Pending

Table 1.—114-31-10130-2003 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
405	58.062349	-135.476597	24" CMP with 8-12" perch onto riprap. Midsection of culvert has upward inflection, but water still running through despite relatively dry conditions. Rust line ~8-12" high on each side. Empties into slightly incised channel with small pool of mostly stagnant water. Minnow trap soaked overnight.	6-8	Fine Organic Large Gravel		1-2	MT	No Fish
406	58.062266	-135.476411	~3-6" drop into CMP due to build up of mud/moss at base of culvert inlet. Marginal fish habitat; overgrown with skunk cabbage. Minnow trap soaked overnight.	1-2	Fine Organic Small Gravel		1-2	MT	1 CT
855	58.063380	-135.486574		8-10	Fine Organic Sand	LWD	0-1	EF	3 CO
856	58.063436	-135.486474		8-10	Fine Organic Sand	LWD	0-1	EF	3 CO
857	58.062975	-135.486267	One CO caught in net, one visual ID. Lots of riffles		Small Gravel Large Gravel		10-12	EF	2 CO
858	58.062931	-135.486129	Barrier is rock wall, gradient goes to 20% above it.						



Figure 1.—Juvenile coho salmon captured at waypoint 855.



Figure 2.—Channel at waypoint 857.



Figure 3.—Juvenile coho salmon captured at waypoint 858.



Figure 4.—Perched culvert outlet at waypoint 405.

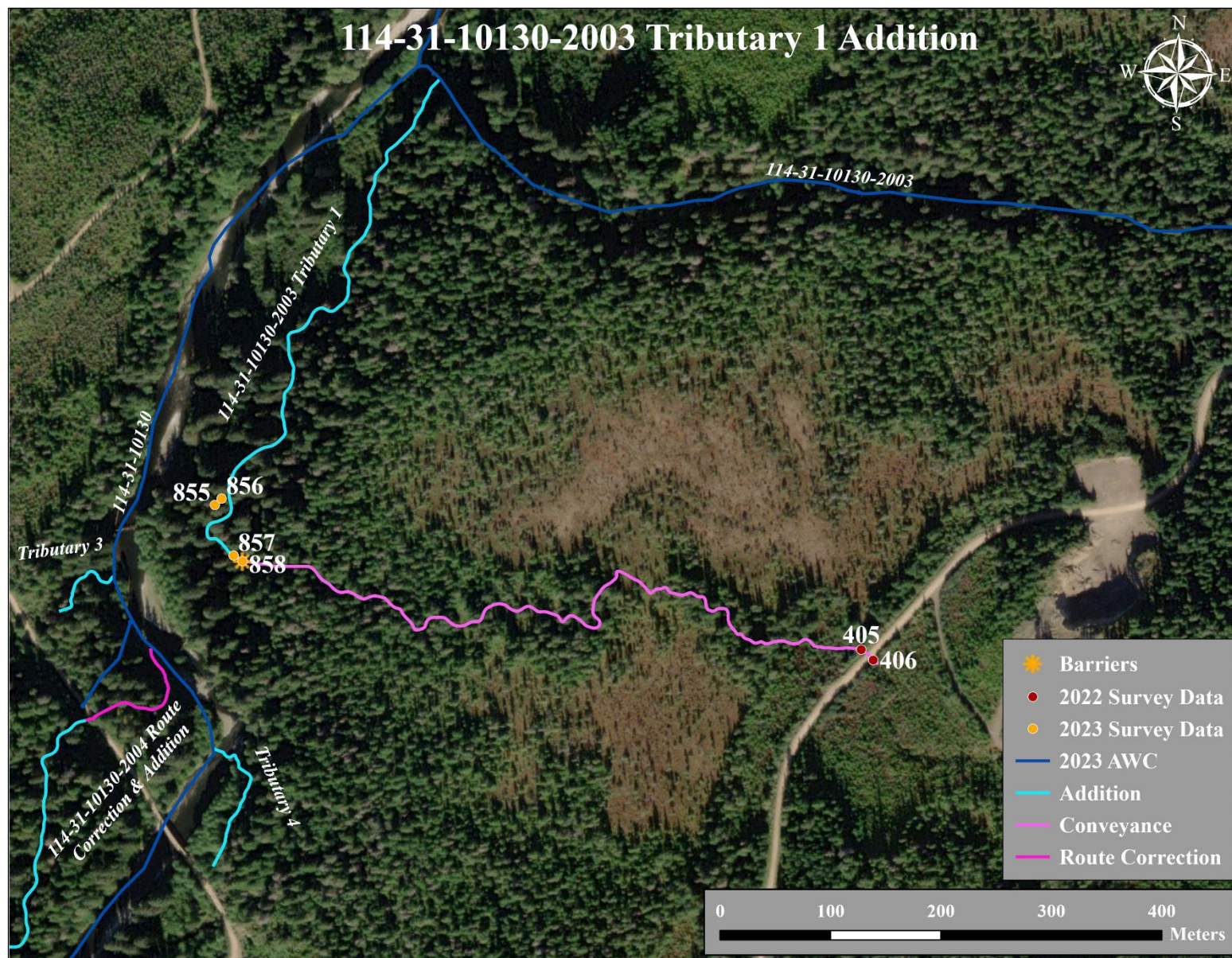


Figure 5.—114-31-10130-2003 tributary 1 addition map.