

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-34-10100 Tributary 1

ADDITION

Water body name:

Survey date: 7/8/2022

Quad: Juneau A-5

Species & Lifestage:

Upper Reach Latitude: 58.099017 **Longitude:** -135.582821

Survey crew: RR, DK, FC

Lower Reach Latitude: 58.093890 **Longitude:** -135.578723

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon and cutthroat trout. The tributary stream flows through a complex of beaver dams at the road crossing and through a 2-4% gradient channel before declining a reach of 8-10% gradient into an incised, gravel-dominated channel (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 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
960	58.098975	-135.583198		8-10	Large Gravel Small Gravel	Incised Channel SWD	4-6	EF	2 CO
961	58.099010	-135.582816	Stream beginning to have exposed bedrock.	6-8	Cobble Boulder	Incised Channel Step Pools	8-10	EF	2 CO
962	58.101595	-135.580898	Beaver dams that flood the road. Dams likely a barrier to juvenile fish passage.					Not Fished	
963	58.101374	-135.579884	Beaver dam at road, ~3' tall with no jump pool. Survey from downstream when good water conditions are present.		Fine Organic	Beaver Pond	1-2	Not Fished	
972	58.098677	-135.583415	Stream becomes incised about 200' downstream, 40-50' incised.	12-15	Small Gravel	Log Jams	2-4	EF	3 CT
973	58.098670	-135.583619						EF	No Fish
974	58.099319	-135.582130	Grade picks up.	12-15		Step Pool	2-4	EF	4 CT
975	58.100259	-135.581477	Grade consistent around 4%.	10-12			2-4	EF	3 CT



Figure 1.–Juvenile coho salmon captured at waypoint 960.



Figure 2.–Channel at waypoint 961.



Figure 3.–Beaver dam with ponding upstream at waypoint 963.

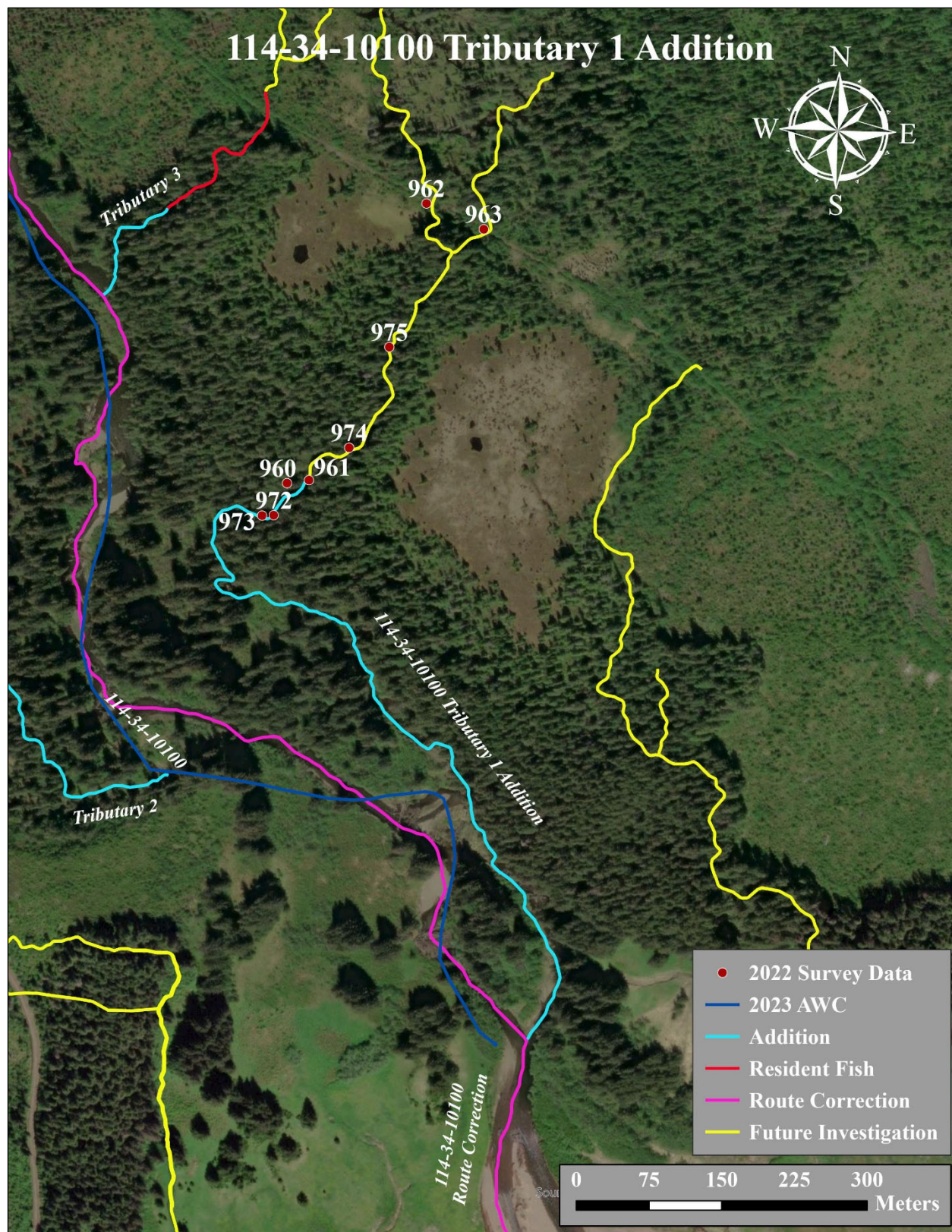


Figure 4.—114-34-10100 tributary 1 addition map.