

Alaska Department of Fish and Game

Habitat Section
Southeast Region



Fritz Cove Uncataloged Stream

ADDITION

Water body name:

Survey date: 5/17/2022; 10/31/2023

Quad: Juneau B-2

Species & Lifestage:

Upper Reach Latitude: 58.350102 **Longitude:** -134.644896

Survey crew: FC, RR

Lower Reach Latitude: 58.354388 **Longitude:** -134.649671

Findings: We surveyed this cataloged stream using a backpack electrofisher, baited minnow traps, and GPS and captured juvenile coho salmon. The intertidal portion of the stream can have very little water at most flows, but we were able to trap juvenile coho salmon just downstream of a perched culvert outlet (Table 1; Figures 1–3).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon. Please extend stream into the intertidal (Figure 4).

Nomination: Pending

Table 1.—Fritz Cove uncataloged stream survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
144	58.351279	-134.645955	Start survey. In tidal flat, stream level low.	1-2	Sand Clay		0-1	EF	No Fish
145	58.350194	-134.644752	Water level extremely low.	4-6	Small Gravel Sand		1-2	EF	No Fish
146	58.350215	-134.644875							
147	58.350187	-134.644750							
148	58.350138	-134.644853	Small stream flowing out of 1' culvert. 1-2' perch into a pool. Culvert shows evidence of rusting and leaking out of the bottom prior to the opening.	2-4	Large Gravel Small Gravel		4-6	EF	No Fish
149	58.349988	-134.645088	Other side of culvert.					EF	No Fish
150	58.350009	-134.644715	Too low to electrofish.	2-4	Small Gravel Fine Organic		2-4	EF	No Fish
151	58.349628	-134.644710	Stream continues going under woody debris and root systems until it reaches a 1-2' culvert under someone's driveway. Very filled with dirt and debris. Stream looks like good habitat for coho but stream levels very low. Could be good for future investigation in a higher-flow season. End of survey.					EF	No Fish

Table 2.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1095	58.350106	-134.644917	Minnow trap soaked ~5 hrs in pool just downstream of 1' CMP perched 18" into pool; set at steep grade and significantly rusted, water leaking out rusted-through bottom prior to outlet and headcutting under culvert.	2-4	Small Gravel Large Gravel		4-6	MT	2 CO
1096	58.349919	-134.644744	Minnow trap soaked ~5 hrs in small pool with cut banks ~40' upstream of culvert inlet.	2-4		Cut Banks	2-4	MT	No Fish



Figure 1.—Culvert outlet at waypoint 1095.



Figure 2.—Juvenile coho salmon captured at waypoint 1095.



Figure 3.—Upstream view of stream at waypoint 1096.



Figure 4.—Fritz Cove uncataloged stream addition map.