

# Alaska Department of Fish and Game

Habitat Section  
Southeast Region



## 111-50-10680 Tributary 1

## ADDITION

**Water body name:**

**Survey date:** 5/12/2022; 10/20/2023

**Quad:** Juneau B-2

**Species & Lifestage:**

**Upper Reach Latitude:** 58.339439 **Longitude:** -134.584823

**Survey crew:** FC, RR

**Lower Reach Latitude:** 58.339118 **Longitude:** -134.588109

**Findings:** We surveyed this uncataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon. The stream has marginal habitat upstream of a small culvert where the channel becomes overcrowded by woody debris, but has quality rearing habitat downstream to the confluence with a cataloged stream (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.—111-50-10680 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
135	58.339072	-134.587704	Start of survey.	12-15	Clay			EF	No Fish
136	58.340137	-134.587368	Stream about to enter woods.	1-2	Large Gravel Cobble		4-6	EF	No Fish
137	58.339993	-134.586383	Stream entering wooded area. No fish found. Good spawning substrate present with pools. Seems like good habitat for coho. No fish found. End of survey.	1-2	Small Gravel	Spawning Substrate	6-8	EF	No Fish
1039	58.339875	-134.586253	1- to 2-yr CO capture ~20' upstream of tree-line where stream enters and meanders through wetland to join cataloged stream. Advancing upstream.	4-6	Small Gravel Fine Organic	SWD	1-2	EF	2 CO
1040	58.339685	-134.585513	Very slight increase in gradient compared to downstream. Good quality rearing habitat with lots of cut banks. Continued CO capture.	2-4	Small Gravel Fine Organic	Cut Banks SWD	2-4	EF	2 CO

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1041	58.339455	-134.584845	Continued CO capture ~15' downstream of culvert at road crossing. Quality rearing habitat persists up to this point, interspersed with small stretches of subterranean flow. Between here and culvert outlet, the channel is overcrowded by overgrown roots, brush, and riprap nearer outlet. Marginal habitat upstream of pipe. Shocked several pools upstream of pipe; no fish observed.	1-2	Small Gravel Fine Organic	Cut Banks SWD	2-4	EF	2 CO



Figure 1.–Juvenile coho salmon captured at waypoint 1039.





Figure 2.—Tributary 1 at waypoint 1040.



Figure 3.—Overcrowded channel just downstream of culvert outlet at waypoint 1041.



Figure 4.—111-50-10680 tributary 1 addition map.