

Alaska Department of Fish and Game

Habitat Section
Southeast Region



111-50-10690 Tributary 1

ADDITION

Water body name:

Survey date: 10/19/2023; 10/31/2023

Quad: Juneau B-2

Species & Lifestage:

Upper Reach Latitude: 58.330622 **Longitude:** -134.592248

Survey crew: FC

Lower Reach Latitude: 58.330431 **Longitude:** -134.592438

Findings: We surveyed this uncataloged stream using baited minnow traps and GPS and captured juvenile coho salmon. The tributary stream flows around the base of a roadside hill and has potentially viable rearing habitat upstream of where fish were captured (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.—111-50-10690 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1020	58.330627	-134.592268	Minnow trap soaked ~4 hrs in river-right tributary of Fish Creek ~60' upstream of confluence; ~18" drop falls with fast flow at outlet of tributary. CO capture; one fell from trap. Secondary tributary on river-right where water seeps out of hillside ~100-150' upstream. Main flow in this tributary veers river-left around base of hillside and becomes more channelized with some intermittent subterranean flow.	8-10	Fine Organic		1-2	MT	2 CO
1097	58.330845	-134.591947	Stream seeps out of hillside here, with uphill gradient increasing; also fairly disconnected from downstream at current low flow. Joins / is fed by runoff from roadside ditch just downstream. Too little water here at current low flow to trap.				6-8	Not Fished	

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1098	58.330750	-134.591605	Minnow trap soaked in pool overnight. Stream more channelized and with more gravel sediment and rearing habitat (cut banks) compared to downstream. Gradient increases slightly upstream.	6-8	Small Gravel Large Gravel	Cut Banks	2-4	MT	No Fish
1099	58.330987	-134.591023	Minnow trap soaked overnight in pool near confluence with tributary that appears as a seep at current low flow (little diffuse water that regularly flows under ground, but continues a ways; may want to follow up at higher flow). Quality habitat continues upstream on main channel.			Cut Banks		MT	No Fish
1100	58.331483	-134.590833	Minnow trap soaked overnight in small pool ~20' downstream of small woody debris jam. Should continue surveying upstream if fish are caught here as jam is not likely to block passage and quality rearing habitat continues.	4-6	Large Gravel Small Gravel	Cut Banks	4-6	MT	No Fish



Figure 1.—Small falls at confluence of tributary 1 and main channel downstream of waypoint 1020.



Figure 2.—Juvenile coho salmon captured at waypoint 1020.



Figure 3.—Downstream view of re-channelized stream at waypoint 1098.



Figure 4.—111-50-10690 tributary 1 addition map.