

Alaska Department of Fish and Game

Habitat Section
Southeast Region



Gastineau Channel Uncataloged Stream

ADDITION

Water body name:

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

Quad: Juneau B-2

Species & Lifestage:

Upper Reach Latitude: 58.323122 **Longitude:** -134.607476

Survey crew: FC

Lower Reach Latitude: 58.324056 **Longitude:** -134.609808

Findings: We surveyed this cataloged stream using baited minnow traps and GPS. We captured juvenile coho salmon, Dolly Varden, cutthroat trout, and sculpin. The stream flows down a hillside, through a 4-foot culvert with 2-foot perch, and into the intertidal (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.–Gastineau Channel uncataloged stream survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1035	58.323352	-134.608076	Minnow trap soaked overnight.	12-15	Large Gravel Small Gravel	Cut Banks SWD	4-6	MT	1 SC
1036	58.323126	-134.607497	Minnow trap soaked overnight ~20' downstream of 4' CMP with no gravel infill, water rushing out fast and falling over 2' perch onto riprap / into pool. Flow decreased overnight and trap openings were out of water upon checking. Trap reset for ~4 hrs; 2-yr CO capture.	10-12	Large Gravel Small Gravel	Cut Banks SWD	6-8	MT	2 CO 2 DV 1 CT
1037	58.323478	-134.608644	Waypoint for reference of stream outlet. Stream braids into two separate outlets at current high flows.						

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1101	58.322794	-134.607217	Minnow trap soaked overnight in first decent pool ~30' upstream of culvert inlet. Grade of stream (slightly incised upstream) and even hillside in general is not as steep as expected. Sediment size may be a little large and flow a little fast to be ideal (esp. near culvert influence), but this could be good coho habitat if pipe wasn't blocking passage. Advancing upstream.	10-12	Cobble Large Gravel	Cut Banks	6-8	MT	No Fish
1102	58.322533	-134.607086	Minnow trap soaked overnight in pool just downstream of log jam. Some flow falls over log jam but primarily skirts around and underneath log to river-right.	12-15	Large Gravel Cobble	Cut Banks Log Jams	6-8	MT	2 DV
1103	58.321891	-134.606427	Minnow trap soaked overnight in pool ~30' downstream of large jam of multiple logs restraining and accumulating boulder and cobble sediment with vegetative growth throughout. Just upstream of jam, grade levels out briefly due to accumulated rocky sediment, but stream is buried under; reappears ~40' upstream of jam.	12-15	Large Gravel Small Gravel	Cut Banks Log Jams	6-8	MT	No Fish
1127	58.321478	-134.605959	Stream flows out from woody debris jam at side of bedrock cliff face.	6-8	Cobble Large Gravel	Incised Channel	12-15	Not Fished	



Figure 1.—Upstream view of stream at waypoint 1035.



Figure 2.—Juvenile coho salmon captured at waypoint 1036.



Figure 3.—Perched culvert outlet at waypoint 1036.

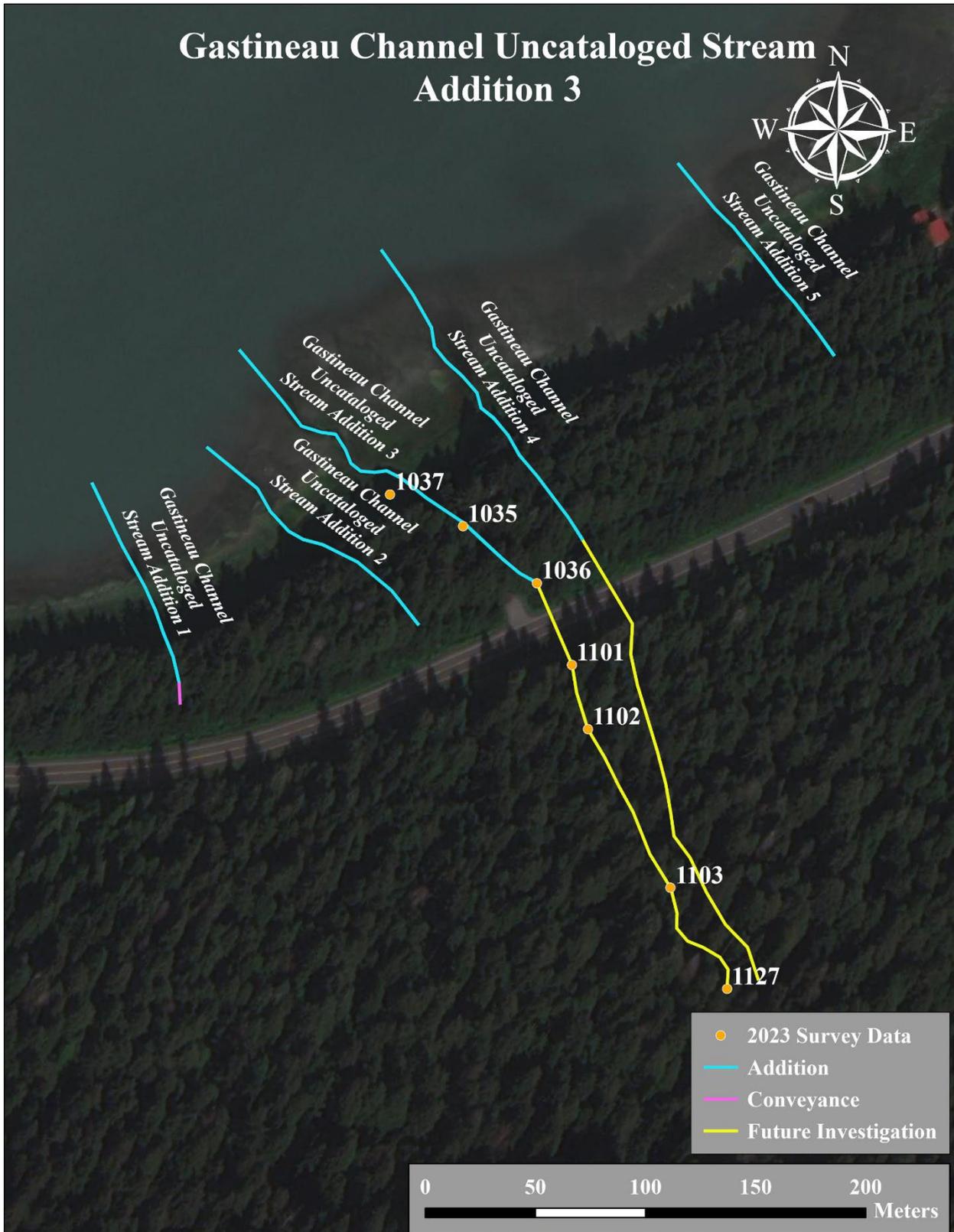


Figure 4.—Gastineau Channel uncataloged stream addition map.