

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10130-2022-3003-4012 Tributary 1

ADDITION

Water body name:

Quad: Sitka D-5

Upper Reach Latitude: 57.943758 **Longitude:** -135.378963

Lower Reach Latitude: 57.942055 **Longitude:** -135.393934

Survey date: 7/18/2022

Species & Lifestage:

Survey crew: RR, FC

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon, Dolly Varden, and cutthroat trout. The tributary stream flows through a gravel channel fluctuating between 4-8% gradient, falling over several 3 ft tall log jams (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.–114-31-10130-2022-3003-4012 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1103	57.941621	-135.388327	Start of survey. Young-of-year coho capture.	6-8	Large Gravel Small Gravel		2-4	EF	2 CO 2 DV 1 CT
1104	57.941633	-135.388157	Where low priority tributary flows into main on river-left (could be a braid; see LiDAR).					Not Fished	
1105	57.941999	-135.386464	Gradient increases to 6-8% for ~400'.	4-6	Large Gravel Sand		4-6	EF	3 CO 1 DV 1 CT
1106	57.943235	-135.384094	Stream continuing to increase to 6-8% for 100-200' then flattening to 4-6%.	6-8	Large Gravel Cobble		6-8	EF	4 DV
1107	57.943616	-135.383009	1-yr coho capture.					EF	3 CO 2 DV
1108	57.943907	-135.380921	Tributary flowing into main on river-right.	2-4	Small Gravel	Spawning Substrate SWD	4-6	EF	1 DV
1109	57.943853	-135.380654	2-3' logjam falls into 3' jump pool.			LWD		EF	5 DV
1110	57.943638	-135.380563						EF	2 CO 7 DV
1111	57.943783	-135.379004	Where tributary flows into main on river-right. Upper extent of coho caught on this tributary. Possibly because of frequent grade changes from 4-6% to 6-8% downstream. No barrier has been observed.	6-8	Large Gravel Cobble		4-6	EF	2 CO 4 DV
1112	57.944158	-135.377932	Stopping surveying on this tributary, only Dolly Varden were caught. Heading back to main.	6-8	Cobble Large Gravel	LWD	6-8	EF	6 DV

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1113	57.944244	-135.378440	Need survey on this tributary. 2' falls into 6" jump pool. Stream extremely overgrown with thick devils club surrounding it.	1-2	Small Gravel Fine Organic	Incised Channel Cut Banks	4-6	EF	No Fish
1114	57.943854	-135.377666		6-8	Small Gravel Sand	LWD	4-6	EF	7 DV 2 CT
1115	57.943631	-135.377437	3' logjam/bedrock falls onto bedrock. 50' upstream there is another 3' logjam falls onto roots with no real jump pool. Only Dolly Varden caught above first falls.	6-8	Small Gravel Sand	SWD LWD	4-6	EF	3 DV



Figure 1.–Juvenile coho salmon, Dolly Varden, and cutthroat trout captured at waypoint 1103.



Figure 2.–Channel at waypoint 1103.



Figure 3.–Log jam falls at waypoint 1109.

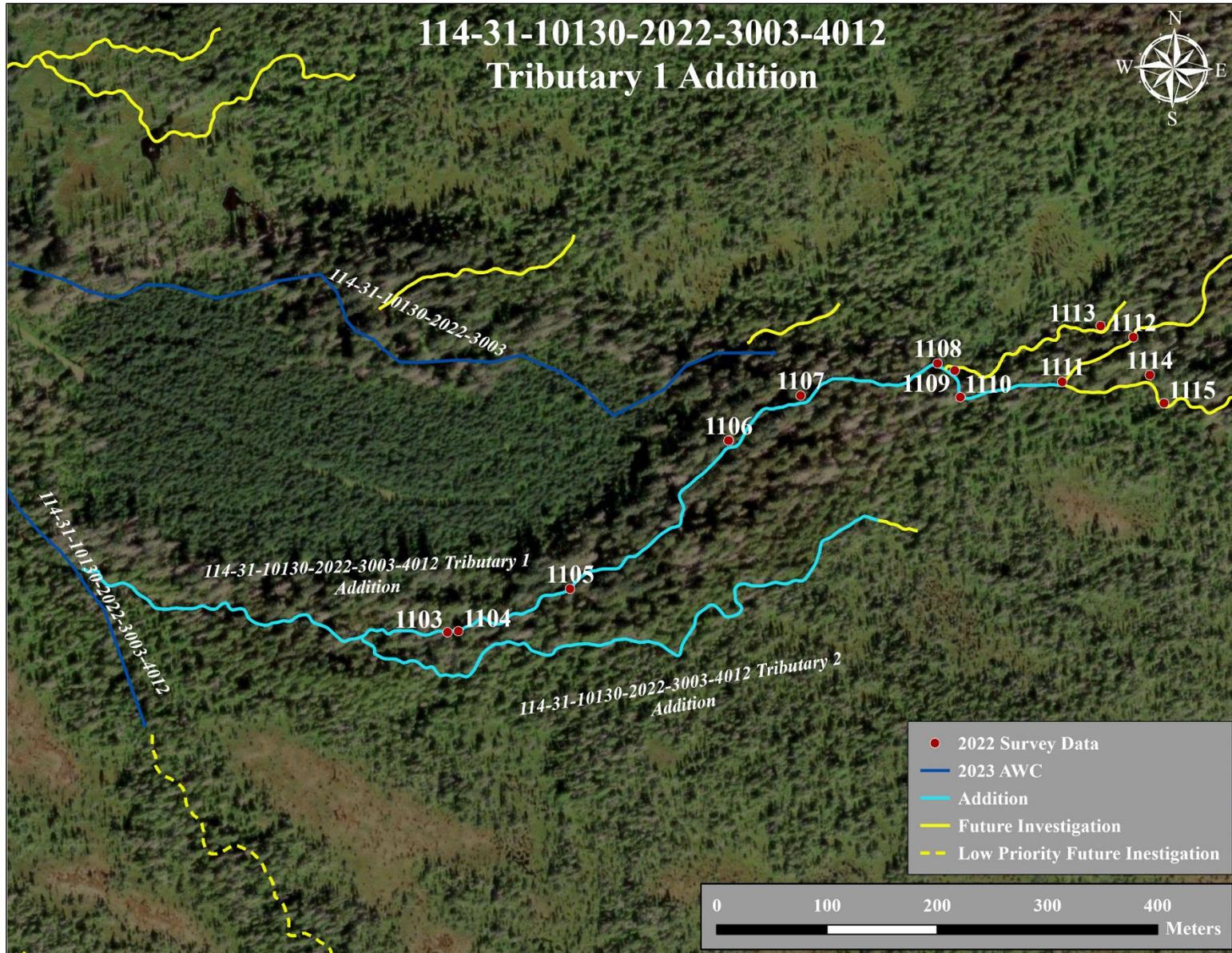


Figure 4.—114-31-10130-2022-3003-4012 tributary 1 addition map.