

Alaska Department of Fish and Game

Habitat Section
Southeast Region



112-50-10100 Tributary 1

ADDITION

Water body name:

Survey date: 8/29/2022

Quad: Sitka D-4

Species & Lifestage:

Upper Reach Latitude: 57.830300 **Longitude:** -135.081386

Survey crew: FC, RR

Lower Reach Latitude: 57.835391 **Longitude:** -135.065557

Findings: We surveyed this uncataloged stream using baited minnow traps and GPS and captured juvenile coho salmon. Pictures of juvenile coho salmon were not saved properly; however, fish identification was verified by a Habitat Biologist. We captured Dolly Varden and cutthroat trout in adjacent tributaries. The tributary stream flows through a steeply incised channel and passes under a bridge, where the river-left abutment has eroded (Table 1; Figures 1, 2).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon (Figure 3).

Nomination: Pending

Table 1.–112-50-10100 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1630	57.830303	-135.081430	Stream under bridge, river-left abutment has some significant erosion. Stream is in 100-200' incised channel and is moving very fast. Minnow trap reset due to changes in water levels (trap was not submerged upon first check).	20-25	Boulder Bedrock	Incised Channel	6-8	MT	2 CO
1631	57.829166	-135.070122	Bridge going over stream. Abutments in good condition. Minnow trap reset.	12-15	Boulder Cobble		6-8	MT	No Fish
1632	57.826043	-135.057947	8' CMP, misaligned with stream, with a 2' perch into a large jump pool. Gradient downstream 6-8%; upstream the gradient increases to 10-12%. Minnow trap set downstream.	8-10	Small Gravel Large Gravel		4-6	MT	2 DV 2 CT
1633	57.824833	-135.046869	3' CMP, minnow trap set downstream. 1 CT in trap; electrofished and found only resident fish.	6-8	Small Gravel Sand		4-6	MT	3 CT 1 DV

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1634	57.825384	-135.032418	6' CMP, downstream 2-4% gradient. Upstream increases to 6-8% with marginal rearing habitat. Minnow trap set downstream of culvert, but upstream of beaver dam (noticed upon return). Resident fish capture. Reset minnow trap downstream of dam; continued resident fish capture.	6-8	Small Gravel	Spawning Substrate	4-6	MT	12 CT



Figure 1.–Bridge surface at waypoint 1630.



Figure 2.—Erosion on river-left embankment at waypoint 1630.

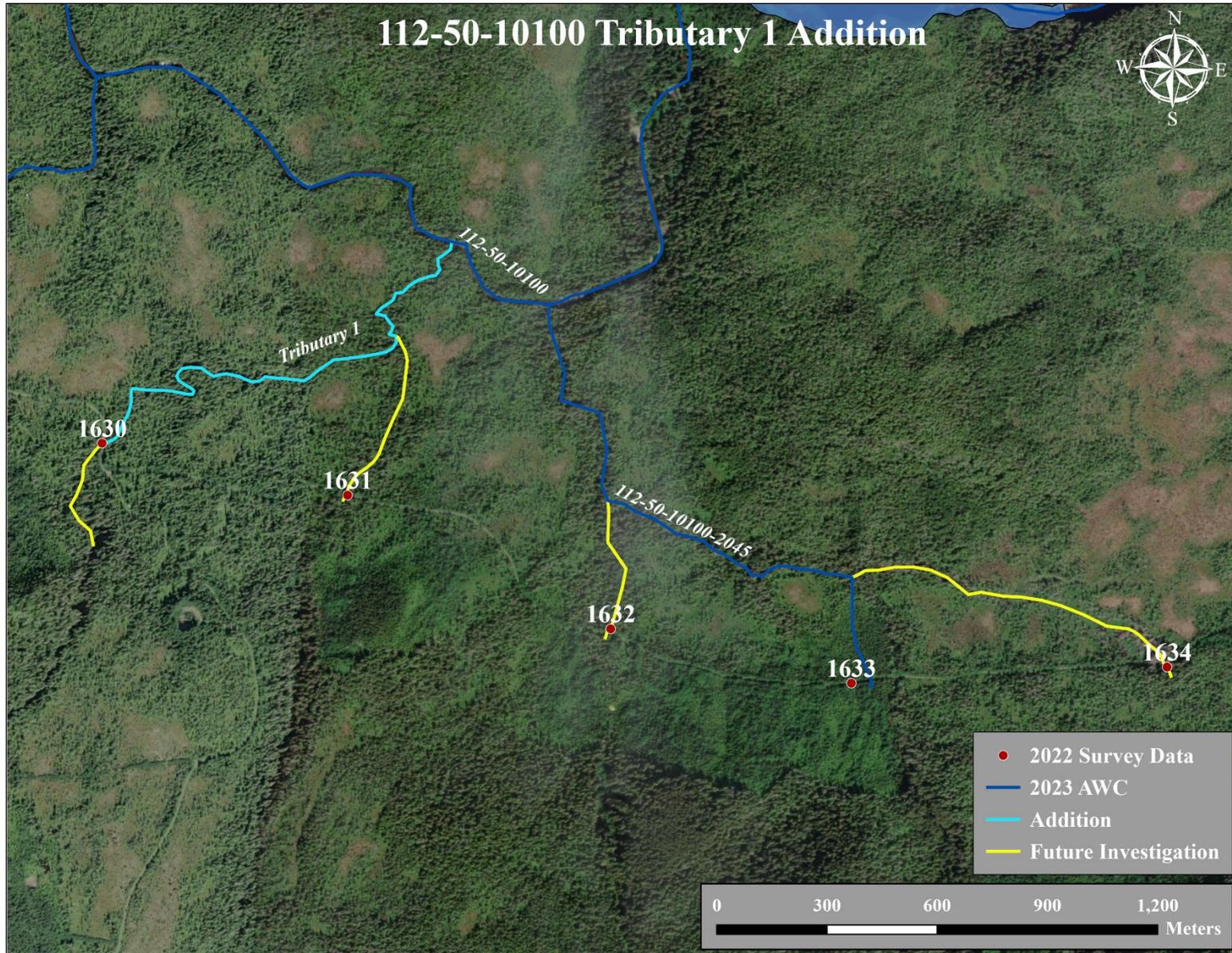


Figure 3.–112-50-10100 tributary 1 addition map.