

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-27-10300-2006-3003 Tributary 1

ADDITION

Water body name:

Survey date: 6/10/2022

Quad: Juneau A-4

Species & Lifestage:

Upper Reach Latitude: 58.076542 **Longitude:** -135.320576

Survey crew: FC, RR

Lower Reach Latitude: 58.076891 **Longitude:** -135.311098

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 falls over a 4-to-5 ft tall bedrock falls and flows down several cascades of smaller step pools, but has no clear barrier to anadromy in the surveyed reach (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.—114-27-10300-2006-3003 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
671	58.076842	-135.317243	Start of survey. Young-of-year CO capture.	12-15	Large Gravel		4-6	EF	2 CO
672	58.076749	-135.318523	Gradient increasing compared to downstream; bedrock channels. Cascade of 1-3' tall bedrock step	12-15	Cobble Bedrock	Step Pool	6-8	EF	
673	58.076538	-135.319366	Resident fish capture only.	12-15	Large Gravel Cobble		4-6	EF	3 DV 2 CT
674	58.076561	-135.320591	Gradient decreases slightly compared to downstream. Continued young-of-year CO capture. Some decent spawning substrate, especially at higher water.	12-15	Large Gravel Cobble		2-4	EF	2 CO
675	58.076426	-135.321897	Gradient increasing slightly compared to downstream; bedrock channels. Cascade of 1-3' tall bedrock step pools.	12-15	Cobble Bedrock	Step Pool Incised Channel	4-6		
676	58.076657	-135.322656	Gradient increases compared to downstream. Cascade of 1-4' tall bedrock step pools. Resident fish capture downstream and upstream.	10-12	Cobble Bedrock	Incised Channel	6-8	EF	2 CT 2 DV
677	58.075696	-135.323135	Gradient decreases again. Bedrock channels replaced with cut banks.	10-12	Cobble Large Gravel	Step Pool Cut Banks	4-6	EF	2 DV 1 CT
678	58.075715	-135.324310	~4-5' tall bedrock falls.	15-20	Cobble Boulder	Incised Channel	6-8	EF	

Table 2.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
679	58.075596	-135.325736	~4-5' tall log jam. Rearing and spawning CO habitat becoming more marginal.	15-20	Cobble Boulder	Log Jams Incised Channel	6-8	EF	3 CT
680	58.075041	-135.327327	CO habitat marginal; no fish capture. End of survey.	15-20	Cobble Large Gravel	Incised Channel	4-6	EF	No Fish



Figure 1.—Juvenile coho salmon captured at waypoint 674.



Figure 2.—Channel at waypoint 671.



Figure 3.—Bedrock falls at waypoint 678.

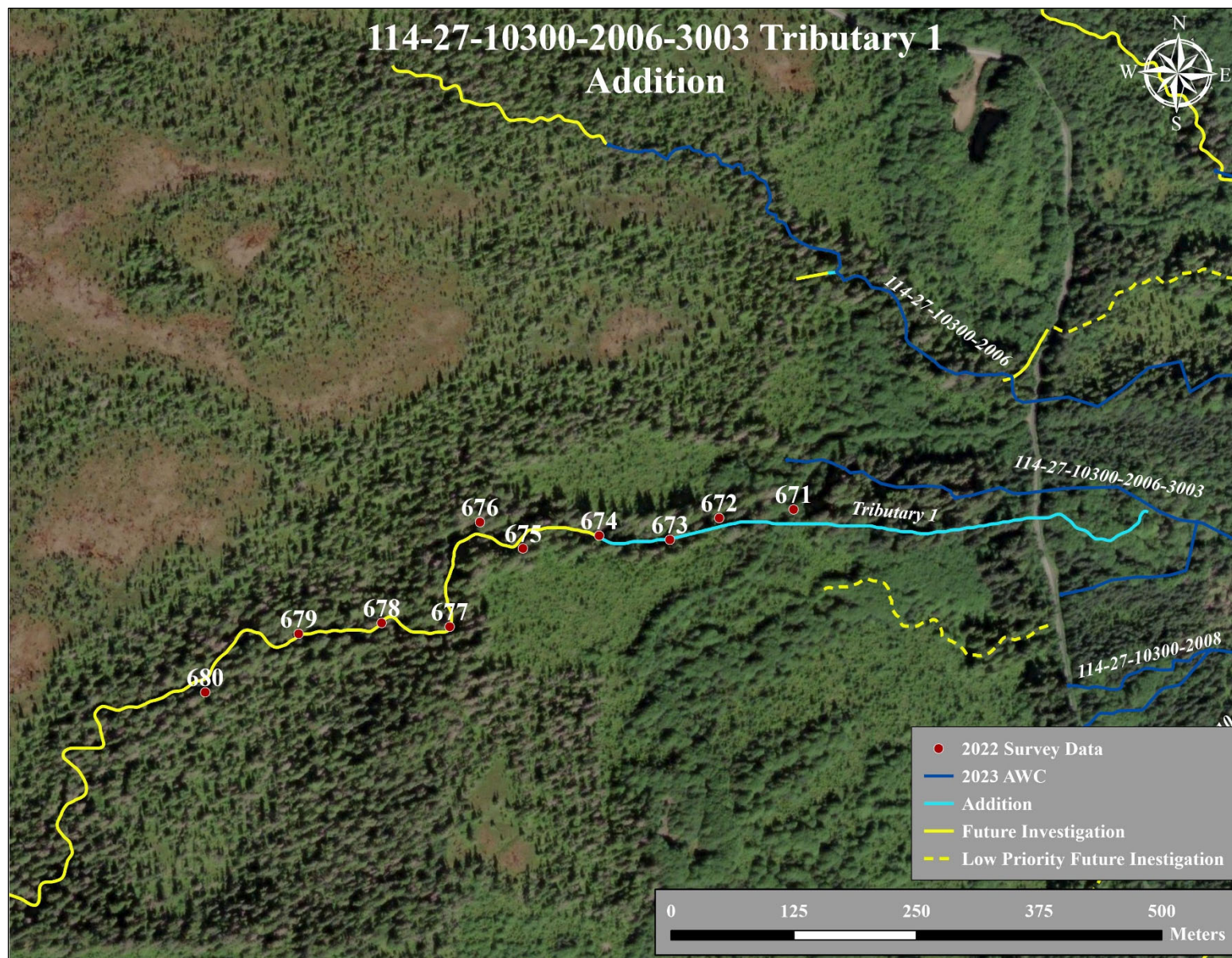


Figure 4.–114-27-10300-2006-3003 tributary 1 addition map.