

Alaska Department of Fish and Game

Habitat Section
Southeast Region



113-51-10040-2005

ADDITION

Water body name: Swift Creek

Survey date: 8/4/2023

Quad: Sitka C-4

Species & Lifestage: COp, Pp

Upper Reach Latitude: 57.560318 **Longitude:** -135.191228

Survey crew: NJ, CD

Lower Reach Latitude: 57.536978 **Longitude:** -135.180454

Findings: We surveyed this cataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon, cutthroat trout, and Dolly Varden. This clearwater stream has intermittent large woody debris and small log jams throughout. Further upstream, the channel becomes more incised as the gradient increases (Table 1; Figures 1–4).

Recommendations: Extend upper extent of Stream No. 113-51-10040-2005 in the anadromous waters catalog up to waypoint 576 and add rearing coho salmon to species (Figure 5).

Nomination: Pending

Table 1.—113-51-10040-2005 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
564	57.540818	-135.183949	1 RT caught below LWD.		Large Gravel	LWD		EF	1 RT
565	57.540603	-135.184214	2 CO caught in small pools downstream of LWD.					EF	2 CO
566	57.543698	-135.184740			Small Gravel			EF	7 DV
					Large Gravel				
567	57.543451	-135.184331			Large Gravel			EF	2 DV
568	57.543355	-135.184410	1 CO caught, 2 more visually seen. Above log jam with falls (2-3ft). Falls have pools at bottom approx 3 ft.		Small Gravel	Log Jams	4-6	EF	1 CO
569	57.544240	-135.185081	Braided channel.						
572	57.550006	-135.188942	CO caught in small pool under woody debris. Downstream splits into two: river left is dry and river right has water flowing.		Large Gravel Cobble	LWD		EF	2 CO
573	57.557787	-135.191225	Caught in small pool behind a large down log that spans the stream. More LWD downstream around bend.		Sand Small Gravel	LWD	4-6	EF	1 CO 2 DV

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
574	57.558165	-135.191493	Log step goes across the stream making falls 1-1.5 ft. Trout caught in pool below falls.						
575	57.558400	-135.191489	Caught in small pool behind boulder. LWD further		Cobble Small Gravel		2-4	EF	1 CO 1 DV
576	57.560323	-135.191249	Slightly steeper gradient than earlier. Mapped stream runs out here but stream keeps going. LWD downstream.		Large Gravel Small Gravel		4-6	EF	2 CO 3 CT 1 DV
577	57.562299	-135.190639	1 DV caught but ending survey here due to time. 7% grade, water level seems to be decreasing and channel overall becoming steeper. Step falls, incised channel, woody debris all present.		Large Gravel Sand	LWD Incised Channel	6-8	EF	1 DV



Figure 1. Upstream at waypoint 576.



Figure 2. Downstream at waypoint 576.



Figure 3. Log step at waypoint 574.



Figure 4. Juvenile coho salmon caught at waypoint 572.

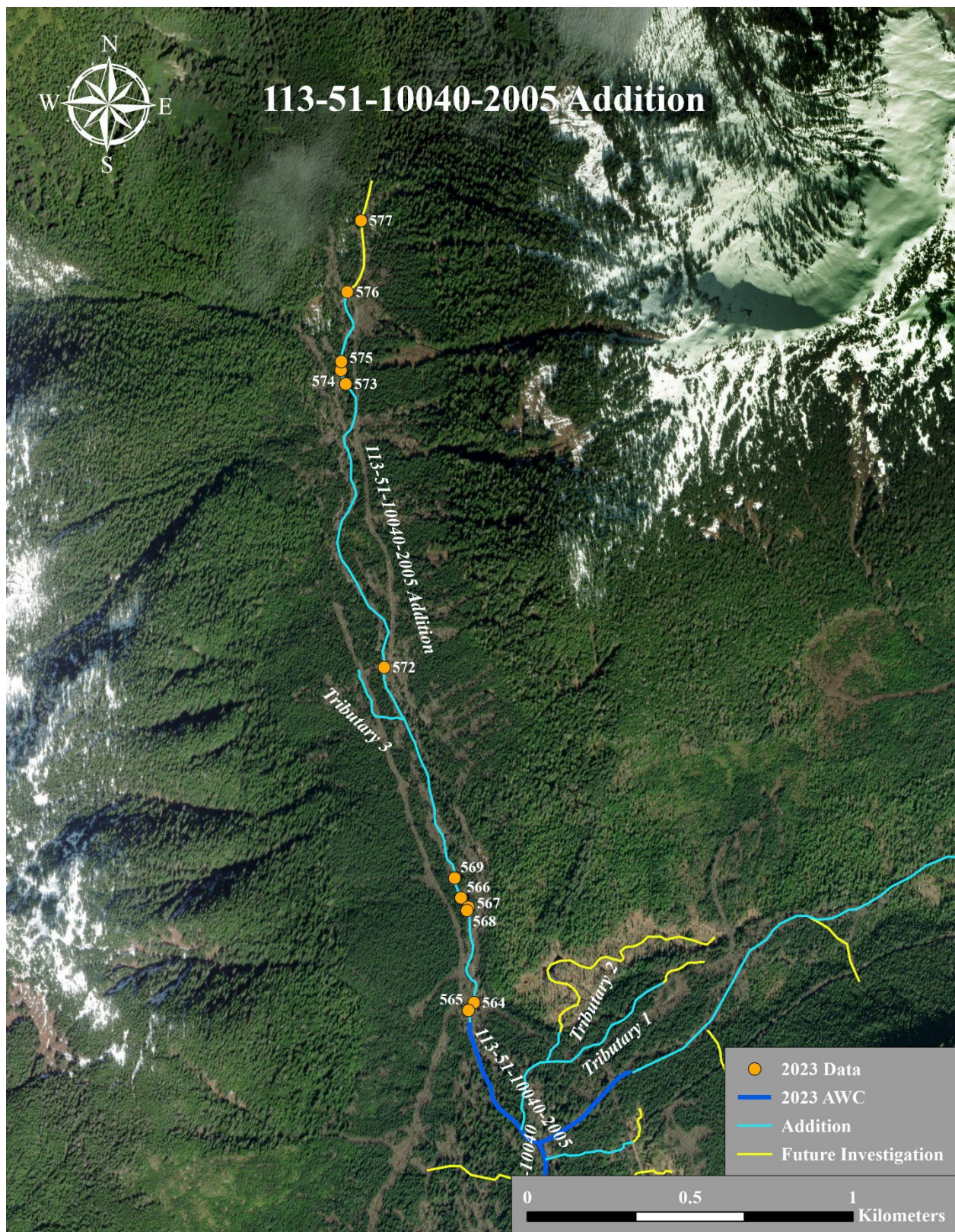


Figure 5. Stream No. 113-51-10040-2005 addition map.