

Alaska Department of Fish and Game

Habitat Section
Southeast Region



109-42-10050-2002 Tributary 1

ADDITION

Water body name:

Survey date: 8/21/2023

Quad: Petersburg D-6

Species & Lifestage:

Upper Reach Latitude: 56.938417 **Longitude:** -133.850746

Survey crew: FC, CD, NJ, EK

Lower Reach Latitude: 56.937124 **Longitude:** -133.859247

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon, cutthroat trout, and sculpin (Figure 1). The stream channel is forested downstream and opens up into a wetland with beaver activity upstream; the gradient was low but the channel started to go subsurface (Table 1; Figures 2, 3).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon (Figure 4).

Nomination: Pending

Table 1.—109-42-10090 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
726	56.937483	-133.854943	Descended river-right hillside to somewhat incised channel of river-right tributary to unsubstantiated stream. Advancing upstream.	10-12	Small Gravel Large Gravel		2-4	EF	1 SC 2 CT
727	56.937511	-133.854452	1-year CO capture.					EF	2 CO 1 CT 1 SC
728	56.937585	-133.853315	Continued 1-yr CO capture.	10-12	Small Gravel Sand		2-4	EF	2 CO
729	56.937670	-133.852943							
730	56.937742	-133.851869							No Fish 2 CT SC
731	56.937735	-133.851642	Continued 1-yr CO capture.	12-15	Small Gravel Fine Organic		2-4	EF	2 CO
732	56.937695	-133.850921	Continued 1-yr CO capture where stream emerges from more open, less wooded area with remnants of old beaver dams; stream meandering.	12-15	Small Gravel Fine Organic	LWD	2-4	EF	2 CO
733	56.938072	-133.850846							
734	56.938416	-133.850810	Following river-right tributary upstream from confluence. 1-yr CO capture.	2-4	Small Gravel Fine Organic		2-4	EF	2 CO 2 CT

Table 2.–continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
735	56.938644	-133.850898	Stream goes subsurface for ~15-20'.					EF	2 CT
736	56.938674	-133.850987	Resident fish capture upstream of another short (10-15') section of subsurface flow. Limited flow from small (1-2' wide) trickle upstream.		Small Gravel Fine Organic			EF	3 CT 1 DV



Figure 1.–Juvenile coho salmon captured at waypoint 731.



Figure 2.—Channel at waypoint 731.



Figure 3.—Channel at waypoint 733.

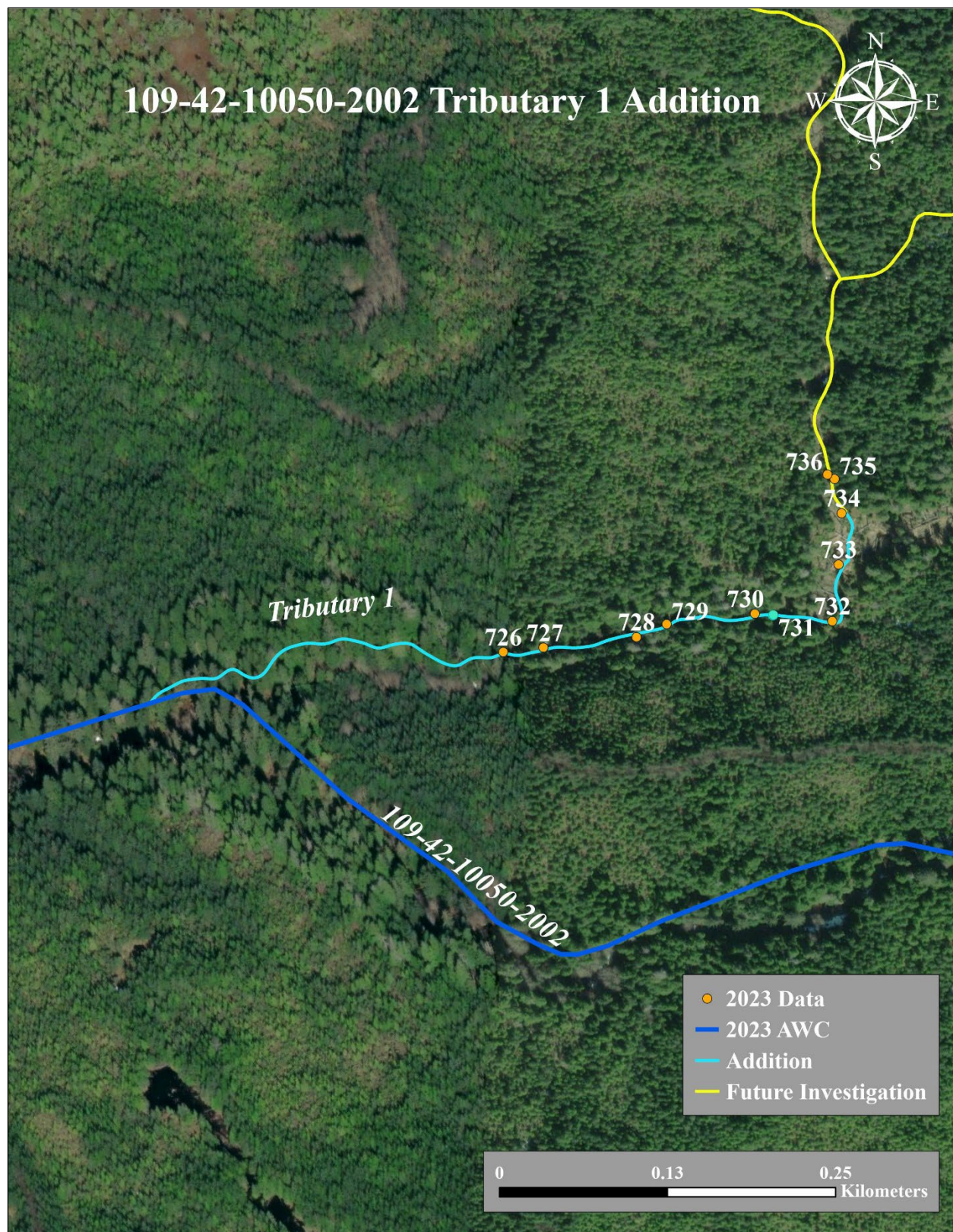


Figure 4.—109-42-10050-2002 tributary 1 addition map.