

Alaska Department of Fish and Game

Habitat Section
Southeast Region



106-43-10590 Tributary 2

ADDITION

Water body name:

Quad: Petersburg D-5

Upper Reach Latitude: 56.961894 **Longitude:** -133.493735

Lower Reach Latitude: 56.959676 **Longitude:** -133.494583

Survey date: 8/24/2023

Species & Lifestage:

Survey crew: CD, FC

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon (Figure 1). The stream channel became increasingly incised going upstream with frequent 2-3ft tall falls (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.—106-43-10590 tributary 2 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
781	56.959881	-133.494524	Returning to electrofish river-left tributary of addition-extent of cataloged stream. Low-gradient stream with lots of cut banks. 1-yr CO capture. Advancing upstream.	10-12	Small Gravel	Spawning Substrate Cut Banks	2-4	EF	2 CO 1 DV 1 CT
782	56.960628	-133.494439	Channel becoming more incised compared to downstream waypoint. Continued 1-yr CO capture.			Incised Channel Cut Banks		EF	
783	56.961230	-133.494430	Continued 1-yr CO capture in large pool just downstream of 5-6' bedrock chute/falls; potential barrier to anadromy. Advancing upstream.	12-15	Large Gravel Small Gravel	Incised Channel Large Pool	4-6	EF	2 CO 1 DV
784	56.961288	-133.493935	Continued 1-yr CO capture ~100' upstream of bedrock falls/chute. Advancing upstream.					EF	1 CO
785	56.961368	-133.493902	Continued 1-yr CO capture ~50' upstream of 2-3' log jam falls.					EF	1 CO

Table 2.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
786	56.961888	-133.493705	Continued 1-yr CO capture.			Incised Channel Cut Banks		EF	CO
787	56.962826	-133.492967	Gradient increasing slightly to 6-7% upstream with multiple sequential log jam and boulder falls and step pools. No CO capture between here and previous downstream waypoint.	12-15	Large Gravel Cobble	Incised Channel Log Jams	6-8	EF	3 CT 2 DV



Figure 1.—Juvenile coho salmon captured at waypoint 781.



Figure 2.—Falls at waypoint 783.



Figure 3.—Stream No. 106-43-10590 Tributary 2 at waypoint 786.

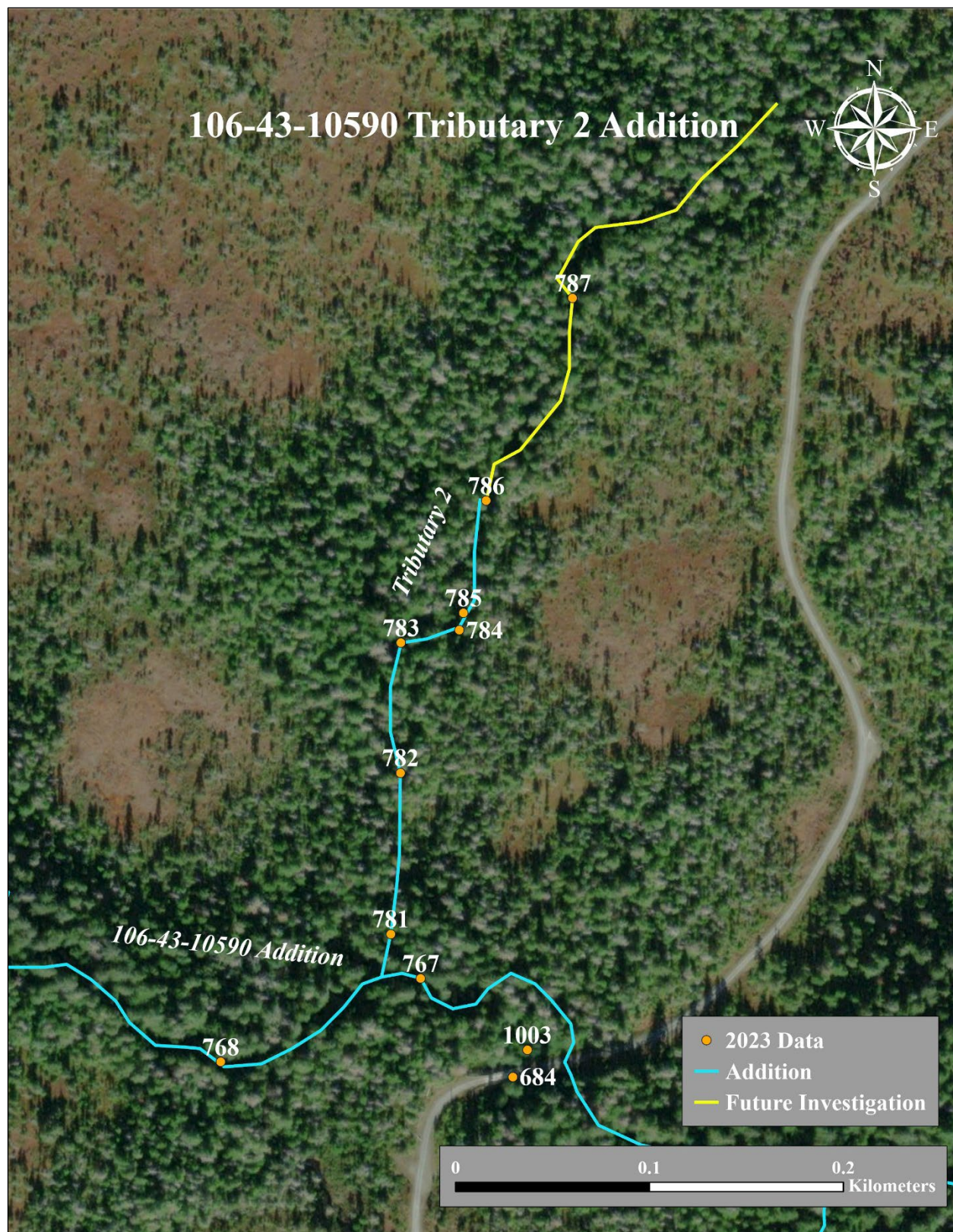


Figure 4.—106-43-10590 tributary 2 addition map.