

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10130-2022-3046

ADDITION

Water body name:

Quad: Sitka D-5

Upper Reach Latitude: 57.966098 **Longitude:** -135.466889

Lower Reach Latitude: 57.968313 **Longitude:** -135.464834

Survey date: 6/29/2022

Species & Lifestage: CO

Survey crew: FC, RR

Findings: We surveyed this cataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon and Dolly Varden. The stream descends a reach of 10-12% gradient upstream and has quality spawning substrate closer to where it flows through a 7 ft wide culvert and joins the currently cataloged portion (Table 1; Figures 1–3).

Recommendations: Extend upper extent of Stream No. 114-31-10130-2022-3046 in the anadromous waters catalog (Figure 4).

Nomination: Pending

Table 1.—114-31-10130-2022-3046 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
888	57.968469	-135.464769	7' aluminum CMP with mitered sides; well-aligned, no rust lines, with gravel sediment throughout. Stream slightly disconnected in small pools in and outside culvert near inlet and outlet. Many young-of-year CO visible in pools. Disconnected pooling and low water level likely due to recent high temps (hi of ~80F yesterday). Start of survey on tributary; advancing upstream.	6-8	Small Gravel Large Gravel	Spawning Substrate	2-4	VI	30 CO
889	57.967649	-135.464430	Hundreds of young-of-year CO seen since last waypoint at culvert; becoming more sparse, started shocking here. Good representation of stream (photos). Good spawning substrate, especially at higher flows.			Spawning Substrate Cut Banks		EF	4 CO
890	57.967360	-135.464285	Continued young-of-year CO capture.					EF	6 CO
891	57.966408	-135.464598	Continued young-of-year CO capture.					VI	4 CO
892	57.966227	-135.465440	Continued young-of-year CO capture.					EF	2 CO

Table 1.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
893	57.966156	-135.466158	Gradient increased to 6-8% for ~150' and then returned to 2-4%. Continued young-of-year CO as well as DV capture.					EF	2 CO 2 DV
894	57.966136	-135.467161	Gradient increases to 10-12% for ~150' then returning to 6-8%. Resident fish capture since last waypoint. Could be good candidate for aiding in ground-truthing barrier modeling, but low somewhat disconnected water may have affected furthest extent of anadromous fish.	4-6	Small Gravel Large Gravel	Cut Banks	10-12	EF	7 DV
895	57.966131	-135.466909	Furthest upstream extent of CO capture (young-of-year).					EF	2 CO 3 DV



Figure 1.—Juvenile coho salmon captured at waypoint 890.



Figure 2.—Channel at waypoint 889.



Figure 3.—Culvert inlet at waypoint 888.

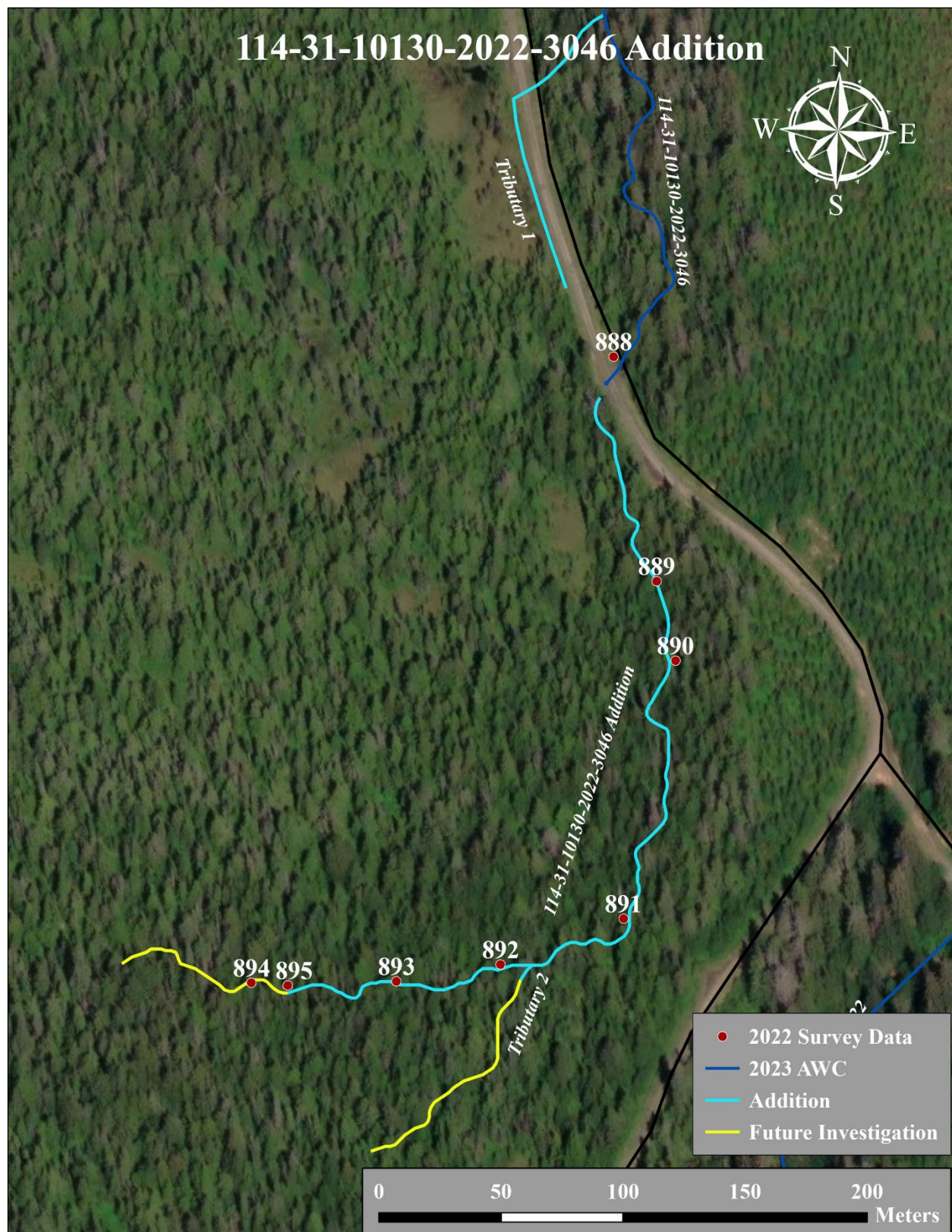


Figure 4.—Stream No. 114-31-10130-2022-3046 addition map.