

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10100-2020

ADDITION

Water body name:

Quad: Juneau A-5

Upper Reach Latitude: 58.070522 **Longitude:** -135.419803

Lower Reach Latitude: 58.074540 **Longitude:** -135.400286

Survey date: 8/26/2022

Species & Lifestage: CO

Survey crew: FC, RR

Findings: We surveyed this cataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon, Dolly Varden, and cutthroat trout. The tributary stream flows through a series of small rootwad and woody debris jams and has a reach of low-gradient channel with spawning substrate (Table 1; Figures 1–3).

Recommendations: Extend upper extent of Stream No. 114-31-10100-2020 in the anadromous waters catalog (Figure 4).

Nomination: Pending

Table 1.—114-31-10100-2020 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1581	58.073272	-135.404295	Returning to stream to continue survey. 1-yr CO capture.	8-10	Small Gravel Large Gravel	Spawning Substrate LWD	2-4	EF	2 CO
1582	58.072627	-135.407251	Continued 1-yr CO capture.	6-8	Small Gravel Large Gravel	Incised Channel LWD	2-4	EF	2 CO 2 DV 2 CT
1583	58.072362	-135.410256	Series of 1-3' woody debris jams with water flowing through. Gradient slightly increasing compared to downstream. 2-yr CO capture upstream of debris jams where stream becomes wider & deeper with spawning substrate and cut banks. Starts to border muskeg ~150-200' further upstream.	8-10	Small Gravel Large Gravel	Incised Channel SWD	4-6	EF	2 CO
1584	58.072137	-135.413741	Continued 2-yr CO capture.	4-6	Small Gravel Sand	Spawning Substrate	1-2	EF	2 CO 1 CT 1 DV
1585	58.072174	-135.415378	Confluence of main with river-right tributary.	6-8	Small Gravel Large Gravel	Spawning Substrate	1-2	EF	1 DV
1586	58.072304	-135.415529	Continued 2-yr CO capture on main.	6-8	Small Gravel Large Gravel	Spawning Substrate Cut Banks	1-2	EF	2 CO

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1587	58.071806	-135.415649	Advanced upstream on tributary from confluence with main to this waypoint, shocking all along the way. Near-immediate loss of spawning substrate and becomes slightly more marginal for CO rearing habitat. Water tannic and dark, making electrofishing difficult. Resident fish capture only; end of survey on this tributary.	2-4	Small Gravel Fine Organic	Cut Banks	2-4	EF	1 CT 2 DV
1588	58.071963	-135.416890	Continued 1-yr CO capture.						2 CO 1 DV 1 CT
1589	58.071095	-135.417935	Gradient increasing slightly compared to downstream. Continued 1-yr & 2-yr CO capture.	4-6	Small Gravel Large Gravel	Spawning Substrate Cut Banks	4-6	EF	2 CO 1 CT 1 DV
1590	58.070511	-135.419706	Continued 1-yr & young-of-year CO capture.	2-4	Small Gravel Large Gravel	Cut Banks	4-6	EF	2 CO
1591	58.070311	-135.419809	Series of 1-2' rootwad falls without much of a jump pool; could constitute temporary barrier to fish passage.					EF	2 CT 1 DV
1592	58.070024	-135.420078	Continued resident fish capture. Rootwad falls downstream may constitute temporary barrier. Gradient increasing upstream.	2-4	Small Gravel Large Gravel	Incised Channel Cut Banks	6-8	EF	2 CT 1 DV



Figure 1.—Juvenile coho salmon captured at waypoint 1581.



Figure 2.—Upstream view of stream No. 114-31-10100-2020 at waypoint 1585.

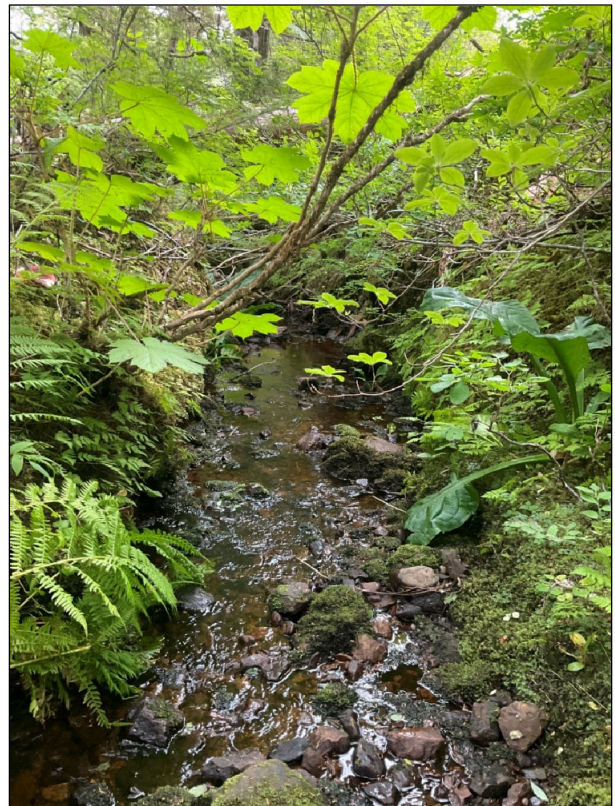


Figure 3.—Upstream view of stream No. 114-31-10100-2020 at waypoint 1589.

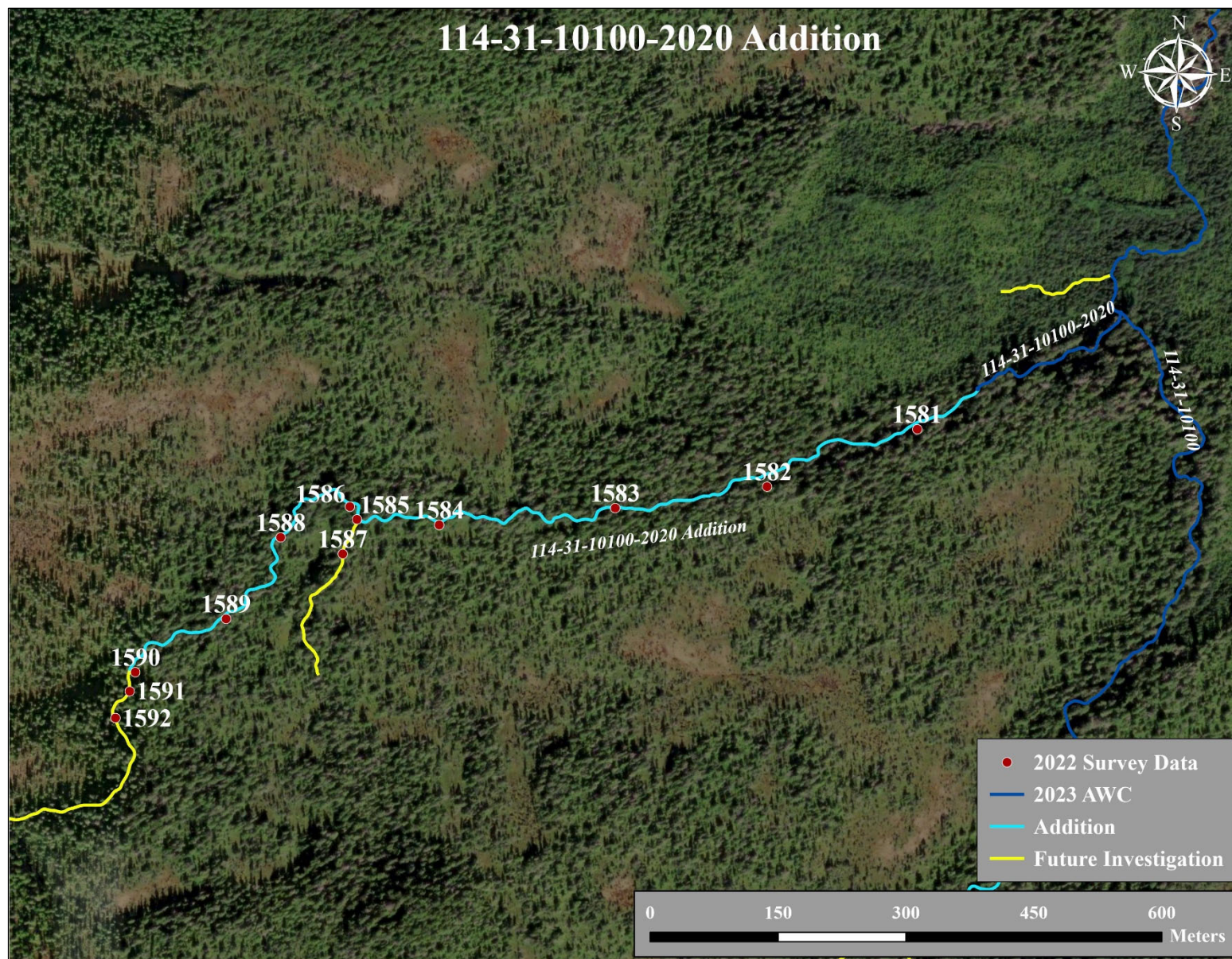


Figure 4.–Stream No. 114-31-10100-2020 addition map.