

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10130 Tributary 7

ADDITION

Water body name:

Survey date: 7/13/2022; 7/19/2022

Quad: Sitka D-5

Species & Lifestage:

Upper Reach Latitude: 57.971894 **Longitude:** -135.445898

Survey crew: FC, RR

Lower Reach Latitude: 57.974316 **Longitude:** -135.453115

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon and Dolly Varden. The tributary stream maintains a low gradient along the base of a hillside and flows through several beaver dams (Table 1; Figures 1–3).

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

Nomination: Pending

Table 1.—114-31-10130 tributary 7 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1027	57.974338	-135.453086	Start of tributary survey at outlet on river-right of main channel. Good CO rearing habitat and spawning substrate. Advancing upstream.	4-6	Small Gravel Large Gravel	Cut Banks Spawning Substrate	1-2	Not Fished	
1028	57.974191	-135.452030	Stretch of small, mellow run. Gravel remains on surface. CO capture downstream.	2-4	Small Gravel Large Gravel	Cut Banks Spawning Substrate	2-4	EF	5 CO
1029	57.974038	-135.451731	Continued CO capture.			Cut Banks Spawning Substrate		EF	2 CO
1030	57.973831	-135.451433	Large beaver dam ~4-5' high above downstream water level; substantial pooling and beaver activity upstream, not very suitable for electrofishing. Two work-around channels from pool to downstream channel; one with gradient of 2-4% that should facilitate fish passage, one forming falls over developing (eroding) headcut.	6-8	Small Gravel Large Gravel	Cut Banks Beaver Pond	2-4	EF	No Fish
1035	57.973839	-135.450326	Confluence with river-right tributary. Sediment becoming more organic-dominant both in river-right and main tributary.	6-8	Fine Organic Small Gravel	Cut Banks	2-4	EF	No Fish

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1040	57.973481	-135.450086	Small beaver dam ~1-2' high from downstream water level with some water running over/through. Likely not a temporary barrier to fish passage. Advancing upstream.			Cut Banks Beaver Pond		Not Fished	
1041	57.973443	-135.449650	Beaver dam ~2-3' high from downstream water level with some braiding/spillover to river-left that should facilitate fish passage. Ponding upstream makes electrofishing less effective.	6-8	Fine Organic	Cut Banks Beaver Pond	2-4	EF	No Fish
1042	57.973296	-135.449560	1-yr CO capture in somewhat disconnected shallow water adjacent to deeper ponded water.			Beaver Pond LWD		EF	1 CO
1043	57.972822	-135.449211	Another small (1-2' high) beaver dam; busted through on river-left side, should facilitate fish passage. Stream becoming channelized and more restricted than downstream of larger beaver dams.	4-6	Fine Organic		2-4	EF	No Fish
1044	57.972648	-135.448780	Continued 1-yr CO capture.					EF	3 CO 3 DV
1045	57.972431	-135.448265	End of survey for now due to time and low iPad battery. Should return and continue upstream main tributary and check for evidence of river-right tributary predicted by lidar just downstream.						
1150	57.972194	-135.447425	Returning to continue survey. Continued 1-yr CO capture. Advancing upstream.	2-4	Small Gravel		1-2	EF	2 CO
1151	57.971961	-135.446207	Gradient and sediment change (from downstream). Series of small (6-12" falls) over organic sediment and sedge grasses. Resident fish capture only.	1-2	Fine Organic		2-4	EF	3 DV
1152	57.971899	-135.445917	Continued 1-yr CO capture.					EF	2 CO 2 DV

Table 3.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1153	57.971684	-135.445217	Stream becomes more a diffuse floodplain starting ~100' downstream, then rechannelizes here. Floodplain area impractical for electrofishing (low diffuse water running over sedge grasses).	2-4	Small Gravel Sand		2-4	EF	No Fish
1154	57.971609	-135.4448	Decent CO habitat, but no fish capture since diffuse floodplain section of stream. End of survey on this tributary.					EF	No Fish



Figure 1.—Juvenile coho salmon captured at waypoint 1028.



Figure 2.—Channel at waypoint 1028.



Figure 3.—Beaver dam with ponding above at waypoint 1041.

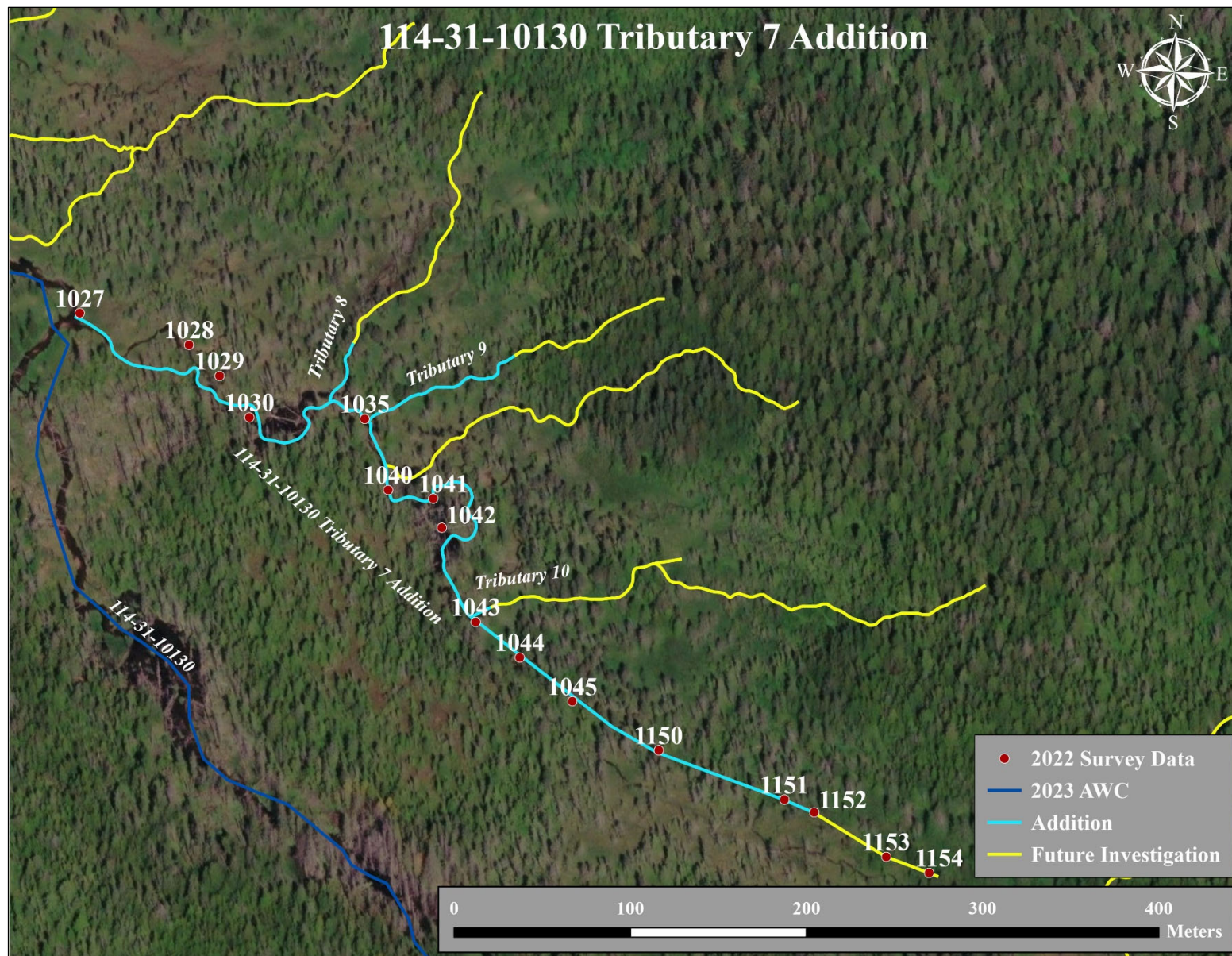


Figure 4.–114-31-10130 tributary 7 addition map.