

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-27-10300 Tributary 8

ADDITION

Water body name:

Quad: Juneau A-4

Upper Reach Latitude: 58.032490 **Longitude:** -135.269624

Lower Reach Latitude: 58.037994 **Longitude:** -135.268709

Survey date: 6/14/2022

Species & Lifestage:

Survey crew: FC, RR

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon, Dolly Varden, and cutthroat trout. The tributary stream flows through a beaver dam and into a gravel-dominated channel (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.—114-27-10300 tributary 8 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
735	58.032544	-135.268668	Resident fish capture.	6-8	Large Gravel Sand		2-4	EF	2 DV
736	58.032710	-135.268831	Evidence of beaver activity, but no large effective dams as with river-left tributary to southwest. 1-yr CO capture upstream of beaver activity.					EF	1 CO 3 DV 3 CT
737	58.033089	-135.268500	Small tributary with low flow and shallow pools of nearly stagnant water. Intermittently subsurface starting ~50' downstream of waypoint. Overgrown with skunk cabbage. CO habitat looks marginal especially compared to main of primary tributary just south.	2-4	Large Gravel Fine Organic		2-4	EF	No Fish
738	58.033170	-135.269431	Advancing downstream on small tributary. Still no fish capture; habitat could be better with higher flows.					EF	No Fish
739	58.033126	-135.270064	Confluence of main with river-right tributary (largely disconnected at current low flow); confluence of river-left tributary ~50' upstream of waypoint where substrate looks better for spawning. 1-yr CO capture.	6-8	Large Gravel Sand		2-4	EF	2 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
743	58.032821	-135.269471	Advancing upstream on main of primary tributary. 1-yr CO capture.	4-6	Small Gravel Sand	Spawning Substrate	2-4	EF	1 CO 1 CT
744	58.032622	-135.268223	Continued 1-yr CO capture.					EF	1 CO 4 DV 4 CT
745	58.032440	-135.267574	Some beaver activity, but nothing that should present a practical barrier even for rearing juveniles. Resident fish capture.					EF	3 CT 2 DV
746	58.032571	-135.267199	Continued 1-yr CO capture					EF	1 CO
747	58.032541	-135.266095	Continued 1-yr CO capture.	6-8	Small Gravel Sand		1-2	EF	2 CO 7 CT 6 DV
748	58.032420	-135.264620	Confluence with river-right tributary. Gradient of main increasing to ~4-6%. Resident fish capture in main and tributary near confluence. Tributary continues at ~12-15% gradient for at least 75'.	4-6	Small Gravel Sand		4-6	EF	4 CT 5 DV
749	58.031832	-135.263999	Gradient decreasing. Channel becoming more meandering. Substrate becoming more organic-dominated; loss of good CO spawning habitat. Riparian zone dominated by skunk cabbage and ferns.	6-8	Fine Organic Small Gravel	Cut Banks SWD	2-4	EF	3 CT
750	58.0314	-135.26357	Beaver dam. No fish capture just downstream. May want to return with minnow traps to survey ponded water upstream.			Beaver Pond Cut Banks		EF	No Fish



Figure 1.—Channel at waypoint 739.



Figure 2.—Juvenile coho salmon captured at waypoint 746.



Figure 3.—Beaver dam at waypoint 750.

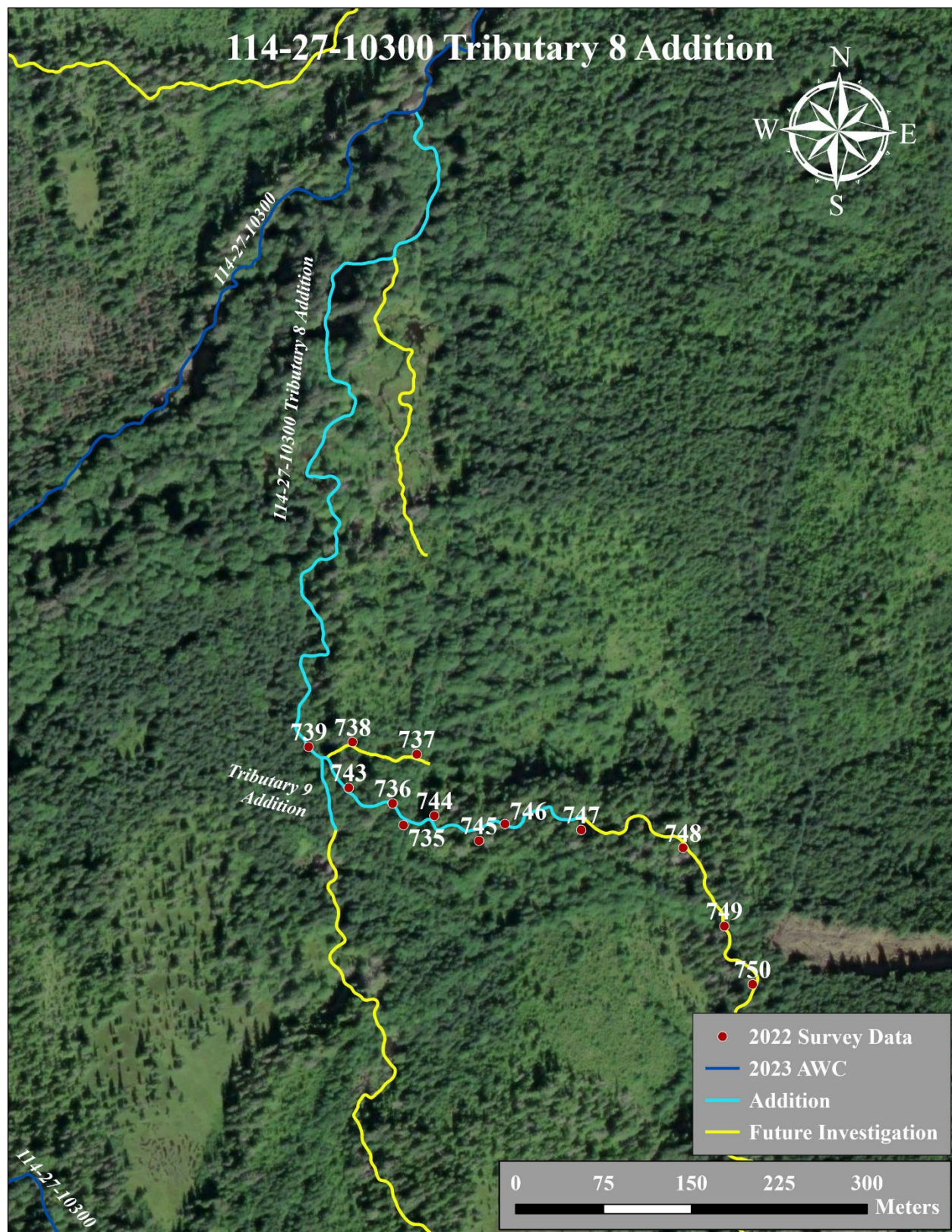


Figure 4.—114-27-10300 tributary 8 addition map.