

Alaska Department of Fish and Game

Habitat Section
Southeast Region



186-15-10400 Tributary 1

ADDITION

Water body name:

Survey date: 7/19/2024

Quad: Icy Bay D2, D3

Species & Lifestage:

Upper Reach Latitude: 59.983301 **Longitude:** -141.574754

Survey crew: NJ, DK, CD

Lower Reach Latitude: 59.979698 **Longitude:** -141.597871

Findings: We surveyed this uncataloged stream using baited minnow traps and GPS and captured juvenile coho salmon. This stream crosses under the road via two 24 inch culverts at waypoints 662 and 661. Coho were caught below the pipe only at waypoint 662; water velocity was high and may act as a barrier. Flow is from the highly mobile system in the forest. Stream path continues to the new reroute of Watson Creek confirmed via drone (Table 1; Figures 1–3).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon up to waypoint 662 (Figure 4).

Nomination: Pending

Table 1.–186-15-10400 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
661	59.983024	-141.567627	2ft smooth wall pipe. Channel is in a ditch upstream, pipe perched about 1ft. Approx 1ft debris jam downstream of the 48in pipe. Parallels ditch for about 100ft. There's a dry channel that dumps into it too, likely from the bigger creek near by.		Cobble		1-2	MT	9 CO 2 SB
662	59.983282	-141.574770	2ft smooth wall culvert, water velocity through pipe may cause fish passage issues. Setting a trap above and below culvert.	4-6	Small Gravel		1-2	MT	10 CO
772	59.987991	-141.568592	Large stream with silt and water and constant flow. Set MT in pool but caught DV with efisher in it just prior. Large cobble, gravels, and silt present. Could be good fish habitat, no gradient or velocity barrier at this point but may be huge jam or something downstream. Should investigate further.		Cobble		4-6	MT	2 DV
773	59.988465	-141.568571							
774	59.988863	-141.568872							
775	59.988878	-141.569170	Barrier. Fast falls approx 4 ft each. Grades up considerably.						
776	59.988998	-141.569268	Series of barrier falls. High velocity and approx 3-5ft. Grade continues to be steep from here.				12-15		
777	59.989488	-141.569327	Large barrier.		Cobble Boulder				
1082	59.987756	-141.567417	Continue to fish channel downstream. Main channels splits at this location with river left channel dry and river right channel having the main flow.		Cobble		4-6	EF	No Fish
1083	59.987386	-141.5673174	Channel splits into multiple of braids throughout the forest. During higher water force likely floods as shown by river, gravel and silk throughout the forest. Highly mobile stream.				2-4	EF	No Fish
1084	59.986761	-141.566999	Channel still highly mobile with river gravel throughout forest and multiple braids spread throughout. No fish seen yet.				2-4		No Fish
1085	59.985328	-141.566907	Still multiple braids with flowing water throughout the forest, very salty. No fish scene down to this point.		Silt				No Fish
1086	59.984531	-141.566293	Forest is a braided mess of small silty channels. Can't follow just one. No fish seen. Likely recently flooded this area. Goes all the way south to road.		Silt		1-2	EF	No Fish



Figure 1.—Juvenile coho salmon caught at waypoint 662.



Figure 2.—Culvert outlet at waypoint 662.



Figure 3.—Braided forest channels at waypoint 1085.

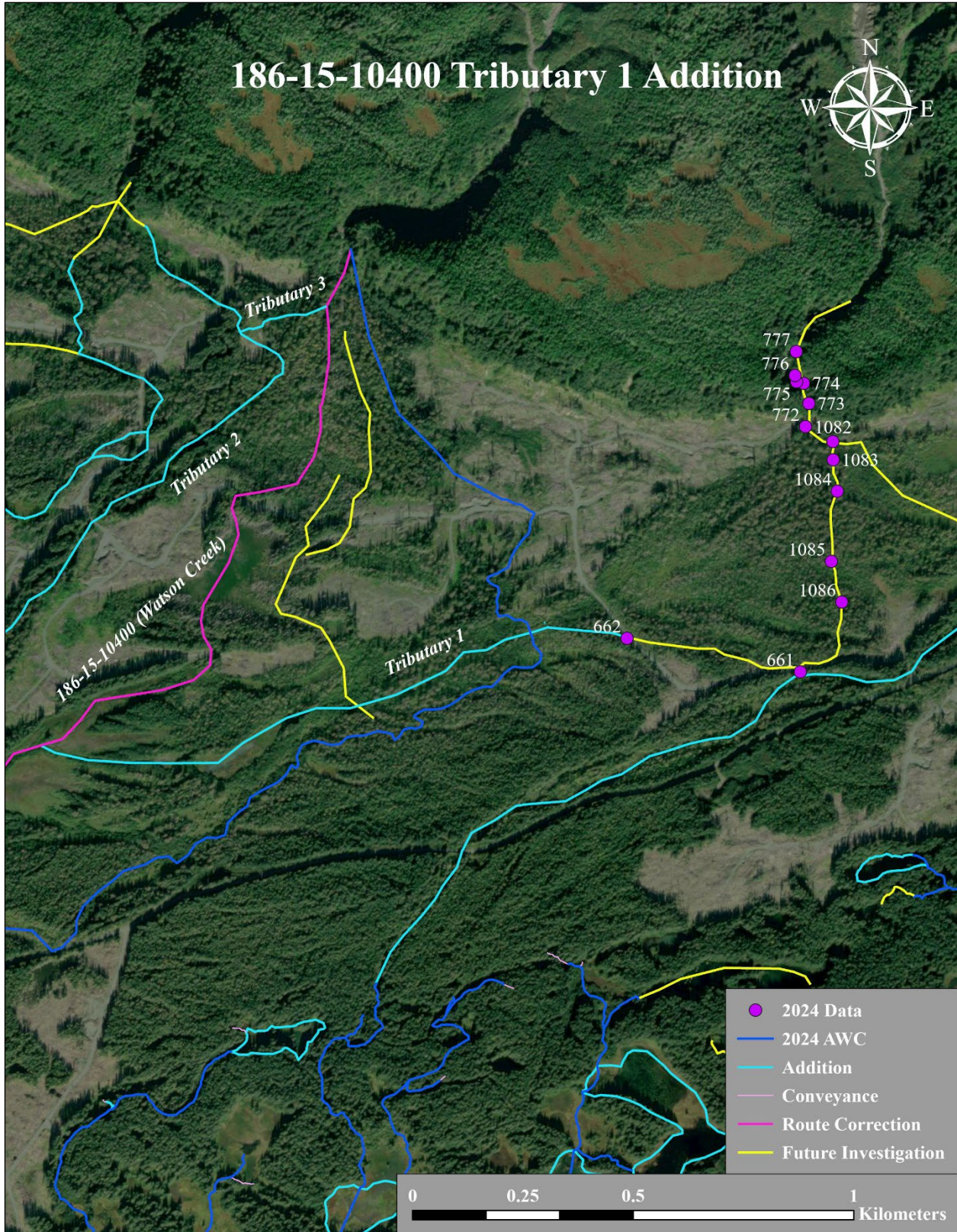


Figure 4.—186-15-10400 tributary 1 addition map.