

Alaska Department of Fish and Game

Habitat Section
Southeast Region



191-20-13800-2038 Tributary 2

ADDITION

Water body name:

Survey date: 8/21/2024

Quad: Icy Bay D2, D3

Species & Lifestage:

Upper Reach Latitude: 59.989599 **Longitude:** -141.598894

Survey crew: NJ, DK, CD, FC

Lower Reach Latitude: 59.976788 **Longitude:** -141.616080

Findings: We surveyed this uncataloged stream using a backpack electrofisher, baited minnow traps, and GPS and captured juvenile coho salmon and Dolly Varden; many of which visually identified. The main flow comes off the mountain and is highly mobile; lots of braids show evidence of recent movement. It crosses the road multiple times under stringer bridges and continues through forest buffer to the confluence. Gradient and flow velocity increase drastically at waypoint 1105 (Table 1; Figures 1–3).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon up to waypoint 1102 (Figure 4).

Nomination: Pending

Table 1.–191-20-13800-2038 tributary 2 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
666	59.987294	-141.595399	Log stringer over creek. Gravel substrate and flowing quick. Looks like good fish habitat. Set MT downstream. Channel flows towards previous larger channel which may be Watson. Further upstream, channel splits and goes different way as seen on drone.				2-4	MT	5 DV
668	59.988165	-141.598176	Channel splits upstream and comes down crossing road with stringer bridge over it. Sediment wedges downstream, higher on river right, leads to the main force of water on river left. Clearance under bridge is much less on river right than left, but no passage issue yet. Lots of deposition upstream too has water pushing over into the finer soil and grass as seen in pic.		Large Gravel		2-4	MT	11 DV
669	59.988553	-141.598272	Upstream in forest there are many braids of this creek. Looks like this stream has recently shifted into here, very sprawled out.						
670	59.988904	-141.598608	Further upstream still many braids in forest. Looks like the main channel upstream from here, more evidence of the stream recently moving through here.						
672	59.983816	-141.603657	Siltier water similar to other channels in the area. Good flow, approx 8-10ft wide. May be braid of other systems in area but hard to say. Big blowdown trees over creek, trees were from buffer.		Large Gravel		2-4	MT	2 CO 4 DV
677	59.985694	-141.595618	Log stringer over flowing stream. Likely the same channel as last point and bridge further up road, just meandering. Looks like decent fish stream continues on.				1-2	MT	9 CO 2 DV
769	59.989186	-141.598989	Main channel of grade cut through forest, water is pretty turbid no fish seen yet.						

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
771	59.990889	-141.597412	Main channel forks into two channels river left seems to be the main and river right is distrib. Gradient noticeably increases. Channel becomes more incised of stream. Barrier likely not far upstream of here.		Large Gravel Cobble		6-8	EF	2 DV
1089	59.986274	-141.595371	Another bridge location. Stream seems to cross road twice.						
1090	59.987137	-141.594910	Stream goes under bridge at road and flows downstream this direction. CO caught but one escapee. Good gravels and fairly silty		Small Gravel		1-2		2 CO
1091	59.986575	-141.595002	Point where this stream joins with another stream. The two channels run fairly close together but separated by slight channel incision.		Small Gravel		2-4		
1099	59.98794	-141.59846	Following channel downstream of bridge. Main channel here left continues to cross the road. Remnants of dry channel continue on. Gravel and silt. River right splits to the right in a smaller channel of silt and gravel but with much lower water than the split that goes left.		Small Gravel			EF	
1100	59.98774	-141.598163	Gravelly and silty channel that varies in width and braids out in forest in high water. Good fish habitat.		Small Gravel		2-4	EF	3 CO
1101	59.988359	-141.598715	Coho and Dolly Varden caught.		Small Gravel Silt		2-4	EF	2 CO 1 DV
1102	59.989560	-141.598916	Approx 4% gradient, increasing slowly. On what seems to be main channel, lots of flow. Coho caught but no photo taken. Habitat continues up slope.		Large Gravel		2-4	EF	2 CO
1105	59.990983	-141.597368	Fast moving cascade waterfall approximately hundred foot upstream of this point and is about 4 feet in height.		Boulder		8-10	EF	No Fish



Figure 1.–Juvenile coho salmon caught at waypoint 1101.



Figure 2.–Fresh sediment and braids in the forest at waypoint 670.



Figure 3.–Stream going under log stringer bridge at waypoint 666.

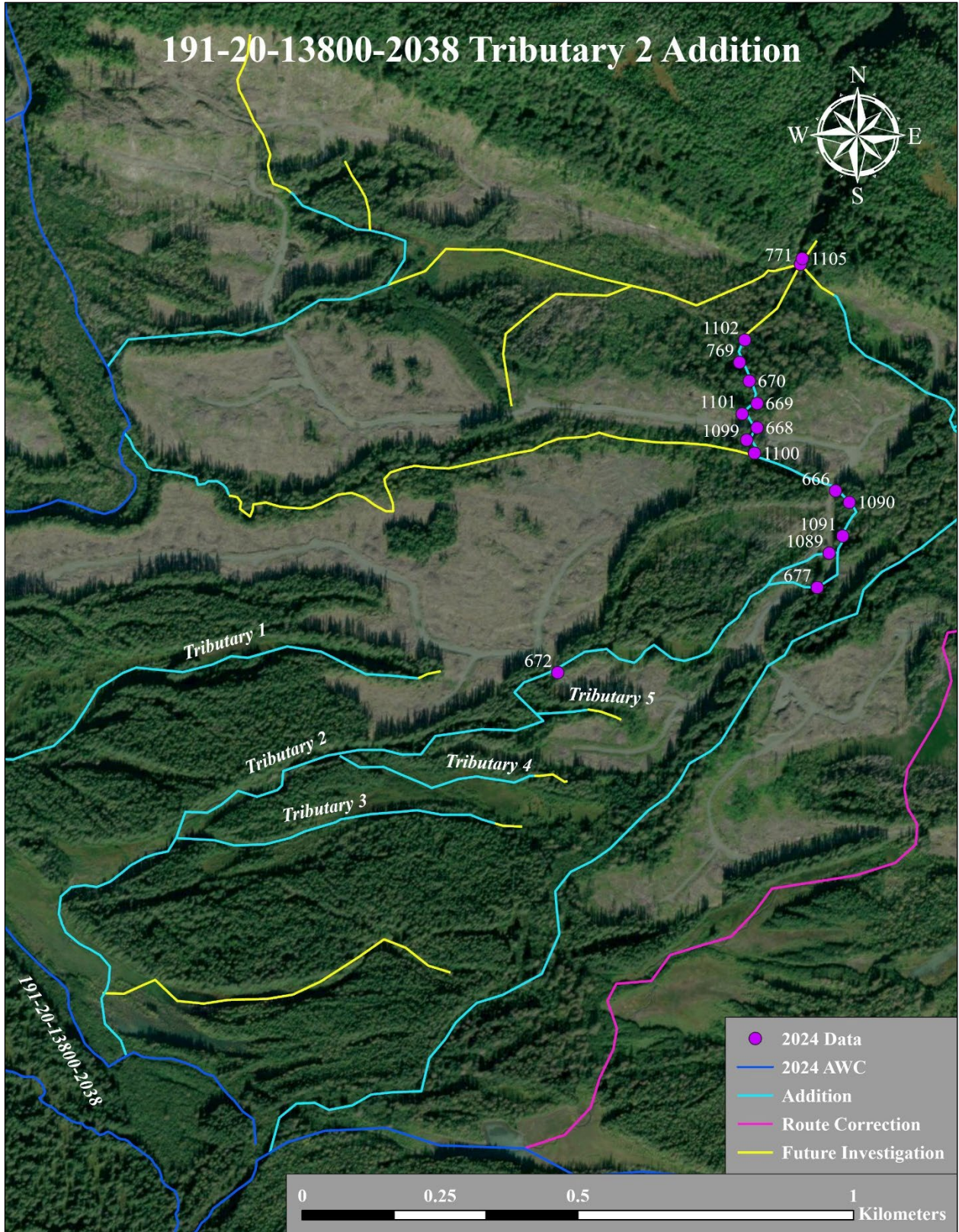


Figure 4.–191-20-13800-2038 tributary 2 addition map.