

# Alaska Department of Fish and Game

Habitat Section  
Southeast Region



**186-15-10550-2005-3040-4040**

**ADDITION**

**Water body name:**

**Quad:** Icy Bay D2, D3

**Upper Reach Latitude:** 59.989656 **Longitude:** -141.553874

**Lower Reach Latitude:** 59.975705 **Longitude:** -141.583212

**Survey date:** 8/20/2024

**Species & Lifestage:** CO

**Survey crew:** NJ, CD, FC

**Findings:** We surveyed this cataloged stream up to an anadromous fish barrier using a backpack electrofisher, baited minnow traps, and GPS and captured juvenile coho salmon, Dolly Varden, and stickleback. This stream crosses under two bridges at waypoints 604 and 605. Following upstream to the north, the channel spreads out and is highly mobile through the forest. The channel eventually splits at waypoint 1075 between a braid and the main; juvenile coho salmon were caught in the braid as well. A waterfall fish barrier is at waypoint 1077 (Table 1; Figures 1–5).

**Recommendations:** Extend upper extent of Stream No. 186-15-10550-2005-3040-4040 up to waypoint 1075 in the anadromous waters catalog, add the anadromous braided channel, and add anadromous fish barrier at waypoint 1077 (Figure 6).

**Nomination:** Pending

Table 1.–186-15-10550-2005-3040-4040 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
604	59.978615	-141.580450	Lots of water in channel but slow flow. Bridge has evidence of erosion on banks and near abutment but currently in decent condition. Has black tarp hanging down into water. Upstream bank has some erosion due to very fine substrate. Fish accidentally released before photos.		Large Gravel		1-2	MT	15 CO 5 DV
605	59.983330	-141.563269	Nice fish habitat in stream. Lots of water flow and plenty of gravels. Two large trees harvested near channel downstream of bridge. Abutments have some erosion during higher water and is largely very fine/clay material. Multiple age class coho. Great fish habitat continues.		Small Gravel Large Gravel		2-4	MT	45 CO 4 DV
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
1065	59.984856	-141.560810	Adult seen but unsure of species. Confluence of channel that goes up to canyon waterfall.		Large Gravel		1-2	EF	4 CO
1066	59.985053	-141.560082	Continuing to follow main channel which narrows up quite a bit from down by the bridge. Substrate is very silty. Stream approximately 3 feet wide with slow flowing water.		Silt		1-2	EF	4 CO
1067	59.985547	-141.558480	CO seen and caught here. Water and channel will be becoming more. Intermittent with dry areas but still seem occasionally. Area looks like was recently wet throughout. Good fish habitat continues during higher water.		Silt		1-2		2 CO
1068	59.985620	-141.558136	Several CO seen and caught. Seperate channel than one right next to it, likely all fills with water and connected during higher water. This looks more like the main channel.		Silt		1-2	EF	2 CO

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1069	59.986298	-141.555562	Substrate approximately half silt and sand. With approximately 4 feet. Fish habitat seems to continue, water low, but flowing.		Silt Sand		1-2	EF	2 CO
1070	59.986575	-141.554151	Channel enters open and silty wetland area. CO seen here as well. Defined channel hard to pick up here but lots of water.		Silt			EF	2 CO
1072	59.988973	-141.553753	Channel coming through Forest down from Mountainside. Seems to be pretty mobile throughout this forest area as are silt and gravel throughout. Fishing upstream of here to assess fish presence.		Small Gravel Silt		2-4		
1073	59.989309	-141.553869	Two Coho caught but one escaped the net. During higher flows, the water likely spreads throughout forest. Water flow is strong with riffles and small pools. Substrate has turned into larger gravel. Stream width is approximately 6 feet.		Large Gravel Silt		4-6	EF	2 CO
1075	59.989660	-141.553897	Channel splits here where the main flow goes down via waterfall and the other on river right seems to be a distributary. Waterfall approximately 3 feet and height could be barrier, although may be able to pass at high water. Two coho or caught below the waterfall in pool one visually seen one in net. Fishing above falls.		Large Gravel		6-8	EF	2 CO
1076	59.989893	-141.553664	Gradient increases again to approx 12%. Waterfall approximately 4 feet with large pool at the base and is a barrier. Dolly varden found in pool.		Cobble		10-12	EF	2 DV
1077	59.989994	-141.553634	Given the water flows, this channel could actually be the main. Channel turns into very narrow, bedrock Canyon with large barrier waterfall. Ending survey here.		Cobble Bedrock		35-40	EF	No Fish
1078	59.989479	-141.554143	Two coho caught just below 1 foot fall in pool. On distributary channel, good fish habitat with lots of step pools, cobbles, and gravel.		Cobble		6-8	EF	2 CO
1079	59.989028	-141.554394	Main channel splits into multiple braids in forest. During higher water, water flood forest as shown by river, gravel, and cobble throughout the area.				4-6		



Figure 1.–Juvenile coho salmon caught at waypoint 1075.



Figure 2.—Juvenile coho salmon caught in braid at waypoint 1078.



Figure 3.—Looking upstream in the braid at waypoint 1079.



Figure 4.—Looking downstream on main channel at waypoint 1068.



Figure 5.—Looking upstream on main channel at waypoint 1074.

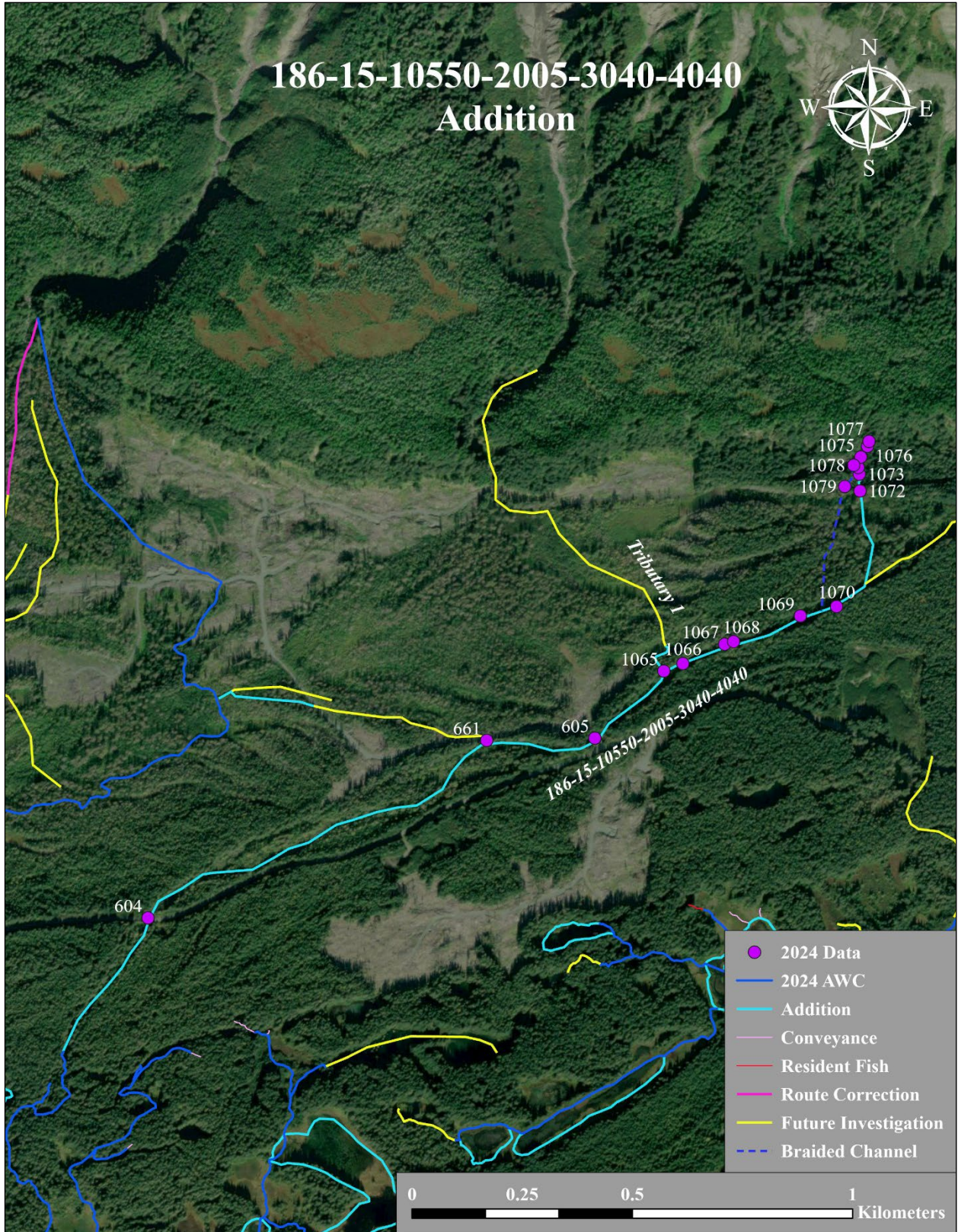


Figure 4.—Stream No. 186-15-10550-2005-3040-4040 addition map.