Alaska Department of Fish and Game

Habitat Section Southeast Region



112-50-10100-2065

ADDITION

Water body name:

Quad: Sitka D-4

Upper Reach Latitude: 57.833979 Longitude: -135.099086

Survey date: 8/30/2022

Species & Lifestage: COsr

Survey crew: FC, RR

Lower Reach Latitude: 57.834031 Longitude: -135.088662

Findings: We surveyed this cataloged stream up to an anadromous fish barrier using a backpack electrofisher, baited minnow traps, and GPS. We captured juvenile coho salmon and Dolly Varden. The stream falls over a 12-to-15 ft tall bedrock falls, blocking fish passage, and flows through a broad channel, passing under a bridge downstream (Table 1; Figures 1–3).

Recommendations: Extend upper extent of Stream No. 112-50-10100-2065 in the anadromous waters catalog. Add anadromous fish barrier (Figure 4).

Nomination: Pending

Table 1.-112-50-10100-2065 survey data.

Table 1.—112-50-10100-2005 Survey data.									
Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat	Gradient %	•	Sample
1/20	57.024400	125 000050	21 CMD			Features	2-4	Effort	Results
1629	37.834408	-133.089930	3' CMP with 3' perch onto riprap. Minnow trap set downstream.	6-8	Large Gravel Small Gravel		2 -4	MT	1 DV
1638	57.833787	-135.090696	Bridge over stream, some riprap has fallen into stream. Minnow trap reset due to changes in water level (trap was not submerged upon first check).	15-20	Boulder Cobble		4-6	MT	16 CO 5 DV
1650		-135.105537	Minnow trap soaked overnight. Resident fish capture only. Returning to survey downstream via electrofishing.	20-25	Large Gravel Small Gravel	Log Jams	2-4	MT	25 DV
1651	57.833152	-135.123160	3' wide CMP with 6" perch onto rip rap then flowing into meet stream which has primarily braided around pipe where a large amount of material has eroded away from road, carving out unpassable ditch and exposing river- left side of culvert near outlet. Some water flowing down small hole and into pipe. Gradient on either side likely precludes fish passage.	6-8	Large Gravel Small Gravel		10-12	Not Fished	

Table 2.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream	Stream	Habitat	Gradient	Sample	Sample
				Width ft	Substrate	Features	%	Effort	Results
1652	57.832562	-135.122168	Minnow trap soaked	20-25	Large Gravel	Spawning	4-6	MT	5 DV
			overnight in large side pool		Small Gravel				
			near bend to river-left;			Substrate			
			downstream there's a						
			series of 1' tall falls. Faster						
			flows than observed at						
			downstream minnow trap						
			site. Resident fish capture						
			only.						
1654	57.834408	-135.103414	2' log jam falls, possible	15-20	Sand Large	LWD	4-6	EF	4 DV
			temporary barrier, only DV caught upstream.		Gravel				
1655	57.834189	-135.099111	12-15' bedrock falls with	15-20	Bedrock		4-6	EF	
			no transitional jump pools						
			evident. Only resident fish						
			capture upstream.						
1656	57.834036	-135.098978	Coho caught below barrier.					EF	2 CO
									1 DV



Figure 1.–Juvenile coho salmon captured at waypoint 1638.



Figure 2.-Downstream view of channel at waypoint 1656.



Figure 3.-Bedrock falls comprising an anadromous barrier at waypoint 1655.

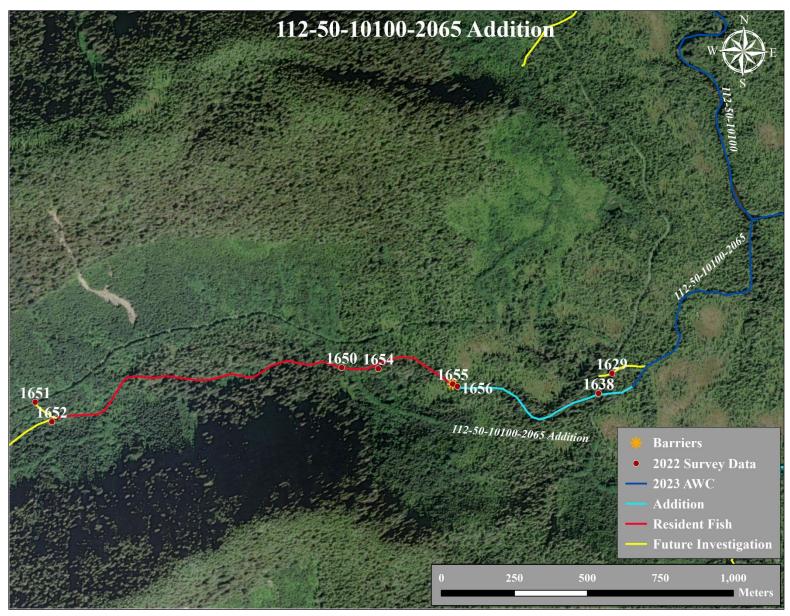


Figure 4.—Stream No. 112-50-10100-2065 addition map.