

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

Lower Reach Latitude: 57.834031 **Longitude:** -135.088662

Survey date: 8/30/2022

Species & Lifestage: COsr

Survey crew: FC, RR

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.

Waypoint	Latitude	Longitude	Notes	Stream	Stream	Habitat	Gradient	Sample	Sample
				Width ft	Substrate				
1629	57.834408	-135.089950	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	57.834416	-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	Incised Channel	10-12	Not Fished	

Table 2.–Continued.

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