

Alaska Department of Fish and Game

Habitat Section
Southeast Region



186-15-10550-2005-3002-4012 Tributary 1

ADDITION

Water body name:

Survey date: 7/18/2024

Quad: Icy Bay D2, D3

Species & Lifestage:

Upper Reach Latitude: 59.986938 **Longitude:** -141.524716

Survey crew: NJ, DK, CD

Lower Reach Latitude: 59.986058 **Longitude:** -141.523870

Findings: We surveyed this uncataloged stream using baited minnow traps and GPS and captured juvenile coho salmon and sculpin. This stream substrate is primarily sand and crosses the road via a smooth walled pipe, approximately 18 inches. Water velocity through this undersized pipe may be a barrier for small fish. The stream intersects a ditch stream above the culvert (Table 1; Figures 1–3).

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

Nomination: Pending

Table 1.—186-15-10550-2005-3002-4012 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
610	59.986857	-141.524587	Smooth wall pipe may be velocity barrier. Scour pool at outlet. Upstream channel makes sharp turn and parallels road. Two traps set, one outlet and inlet. Water downstream ponds up after slowing down leading to deposition. Banks of road show some erosion, mostly at outlet. Debris in inlet could also be barrier, water drops about 6-8 inches. CO captured upstream of pipe.				2-4	MT	6 CO 2 SC



Figure 1.—Juvenile coho salmon and sculpin caught at waypoint 610.



Figure 2.—Culvert inlet at waypoint 610.



Figure 3.—Culvert outlet at waypoint 610.



Figure 4.—186-15-10550-2005-3002-4012 tributary 1 addition map.