Alaska Department of Fish and Game

Habitat Section
Southeast Region

East Port Frederick Uncataloged Tributary   ADDITION

Water body name: **Survey date:** 8/22/2022
Quad: Juneau A-5   **Species & Lifestage:**
Upper Reach Latitude: 58.074297 **Longitude:** -135.490296   **Survey crew:** FC
Lower Reach Latitude: 58.074866 **Longitude:** -135.490840

Findings: We surveyed this uncataloged stream using baited minnow traps and GPS and captured juvenile coho salmon. We also observed adult pink salmon. The tributary stream flows through low-gradient maintained pasture in a tidally-influenced reach with spawning gravel (Table 1; Figures 1–4).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon and present pink salmon (Figure 5).

Nomination: Pending

Table 1.–Uncataloged tributary survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1453	58.074304	-135.490299	Stream abruptly becomes more disconnected upstream of waypoint at current (9ft) tide with large pools separated by gravel sediment. MBBC caretaker mentioned upstream can be connected/flooded at higher tides/flows. 2 adult carcasses where gravel currently disrupts adult fish passage and more downstream. Minnow trap soaked < 1 hr. 1- and 2-yr CO capture.						19 CO
1454	58.074837	-135.490704	Tidally-influenced stream with cut/collapsed banks running through pasture/farmland maintained by Mount Bethel Bible Center. Confluence with river-left tributary. Several adult pinks at/downstream of confluence and some heading atleast 100' upstream both main channel and tributary.	20-25	Large Gravel Sand	Spawning Substrate Cut Banks	1-2	VI	30 P

Figure 1.–Juvenile coho salmon captured at waypoint 1453.

Figure 2.–Downstream view of channel at waypoint 1453.

Figure 3.–Upstream view of channel at waypoint 1453.

Figure 4.–Adult pink salmon observed near the confluence at waypoint 1454.

Figure 5.–Uncataloged tributary addition map.