

Alaska Department of Fish and Game

Habitat Section
Southeast Region



191-20-13800 Tributary 3

ADDITION

Water body name:

Survey date: 7/24/2024

Quad: Icy Bay D2, D3

Species & Lifestage:

Upper Reach Latitude: 59.977458 **Longitude:** -141.639333

Survey crew: NJ, CD, DK

Lower Reach Latitude: 59.976974 **Longitude:** -141.649711

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon. This stream meanders through open wetlands with good flow and a mixture of small gravels and fine organic substrate. The forested buffer has blown into the stream in several places as the channel crosses the road, with significant blowdown and woody debris upstream of the road. A puncheon bridge is present at waypoint 761 with evidence of heavy erosion and leading to poor fish passage. We were not able to survey beyond waypoint 761 due to time but fish habitat likely continues (Table 1; Figures 1–4).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon up to waypoint 761 (Figure 5).

Nomination: Pending

Table 1.–191-20-13800 tributary 3 survey data.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|---|-----------------|------------------|------------------|------------|---------------|----------------|
| 734 | 59.979024 | -141.642922 | Road across the stream is closed out, no erosion issues or stream widening. Most of the buffer has blown into the creek, especially upstream of the road. Logs stacked around creek in large piles. Juvenile coho seen in the stream. | 2-4 | Small Gravel | | 1-2 | VI | 2 CO |
| 751 | 59.979045 | -141.644162 | Small channel running through open wetlands. | 2-4 | Fine Organic | | | EF | 2 CO |
| 752 | 59.979173 | -141.643738 | Stream continues. | | | | | | 2 CO |
| 753 | 59.979092 | -141.643508 | Young of year coho capture. Woody debris throughout stream. | 2-4 | Fine Organic | | | | 2 CO |
| 754 | 59.979031 | -141.643115 | Large wood covering stream appears to have been cut down minimal buffer. Still seeing young of the year, Coho. | | | | | | |
| 755 | 59.979013 | -141.642933 | Coho capture up to road crossing fish habitat likely continues for a while. Significant blowdown upstream of the road may limit further survey work. | | | | 1-2 | | 2 CO |
| 761 | 59.977462 | -141.639355 | Stream flows opposite of what's drawn. This is headwaters of stream to west. Log bridge not constructed, puncheon still here. Massive road erosion seen. Bunch of trees fell over the creek just downstream. Poor for fish passage and affecting the stream itself. Needs to be addressed. Lots of input material from roadbed. | | | | | VI | 2 CO |



Figure 1.—Juvenile coho salmon caught at waypoint 753.



Figure 2.—Looking upstream at waypoint 753.



Figure 3.—Buffer blown into the stream channel at waypoint 755.



Figure 4.—Puncheon bridge at waypoint 761.

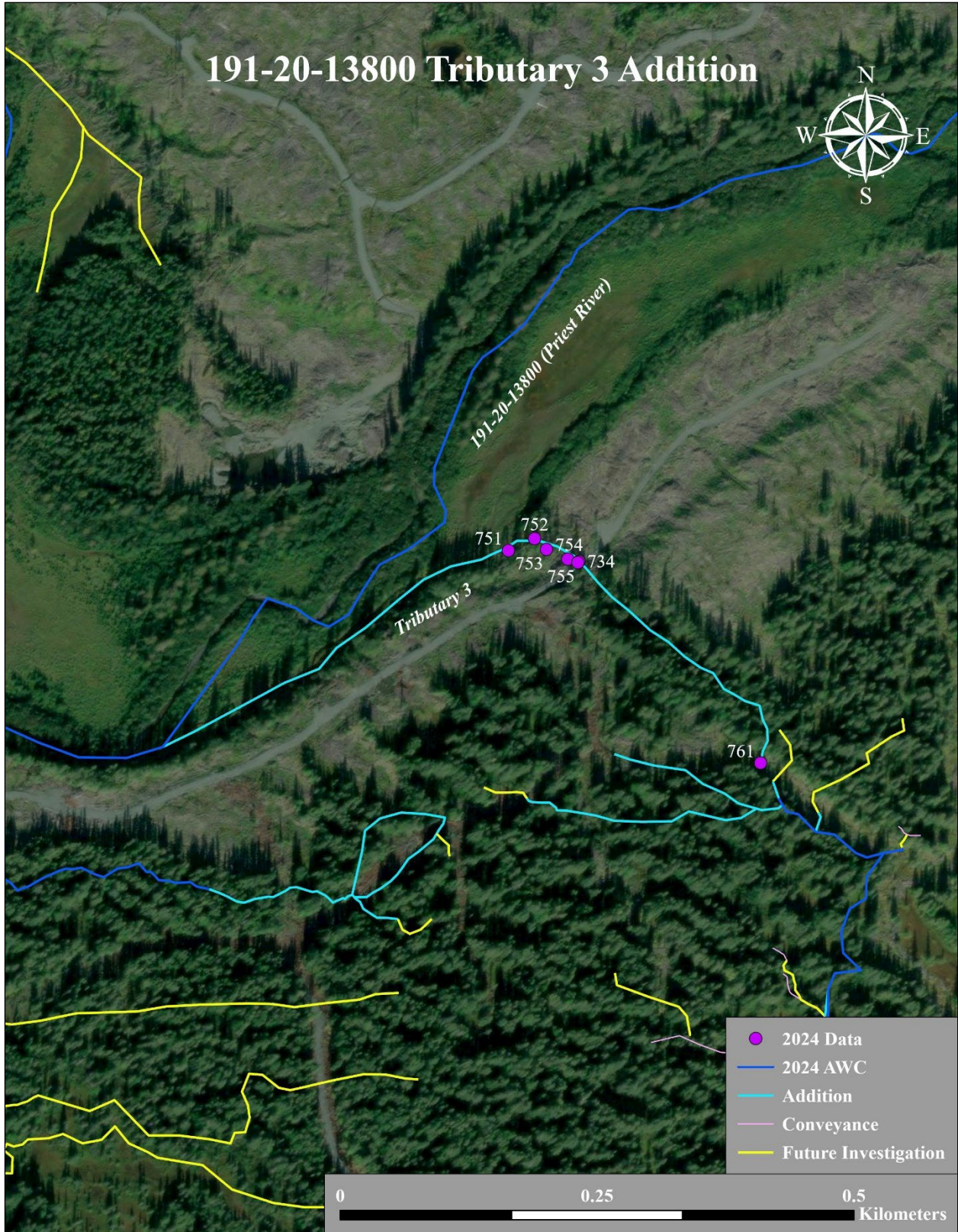


Figure 5.—191-20-13800 tributary 3 addition map.