

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-34-10100 Tributary 5

ADDITION

Water body name:

Survey date: 9/23/2023

Quad: Juneau A-5

Species & Lifestage:

Upper Reach Latitude: 58.106414 **Longitude:** -135.613175

Survey crew: FC, NJ, DK

Lower Reach Latitude: 58.108870 **Longitude:** -135.601836

Findings: We surveyed this uncataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon, Dolly Varden, cutthroat trout, and sculpin. The tributary stream flows through a gravel-dominated channel with lots of cut banks, and through a reach with quality spawning substrate (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.—114-34-10100 tributary 5 survey data.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|--|-----------------|------------------------------|--------------------------------|------------|---------------|----------------|
| 867 | 58.108733 | -135.602607 | On river-right tributary to Humpback Creek. 1-yr CO capture ~50' upstream of significant log jam. Lots of large and small wood in stream and some headcutting. Advancing upstream. | 10-12 | Large Gravel Small Gravel | Spawning Substrate Log Jams | 2-4 | EF | 2 CO |
| 868 | 58.108713 | -135.604031 | Continued 1-yr CO capture. Electrofisher giving IGBT failure upon each start-up but continuing to shock after resetting. Monitoring failure. | 8-10 | Large Gravel Small Gravel | Spawning Substrate LWD | 4-6 | EF | 2 CO 1 SC |
| 873 | 58.105410 | -135.613681 | Electrofished unmarked river-right tributary stream; no fish observed. | 2-4 | Small Gravel Fine Organic | | 2-4 | EF | No Fish |
| 874 | 58.105507 | -135.614247 | | 4-6 | Small Gravel Large Gravel | Cut Banks SWD | 4-6 | EF | 1 CT |
| 881 | 58.106254 | -135.613456 | | 2-4 | Small Gravel Large Gravel | Cut Banks | 2-4 | EF | 1 SC 2 DV |
| 882 | 58.106438 | -135.613074 | | | | Large Pool | | EF | 1 DV |
| 883 | 58.106419 | -135.613315 | 1-yr CO capture. | 6-8 | Small Gravel Large Gravel | Cut Banks | 2-4 | EF | 2 CO |



Figure 1.—Channel at waypoint 883.



Figure 2.—Juvenile coho salmon captured at waypoint 883.



Figure 3.—Staff electrofishing at waypoint 874.

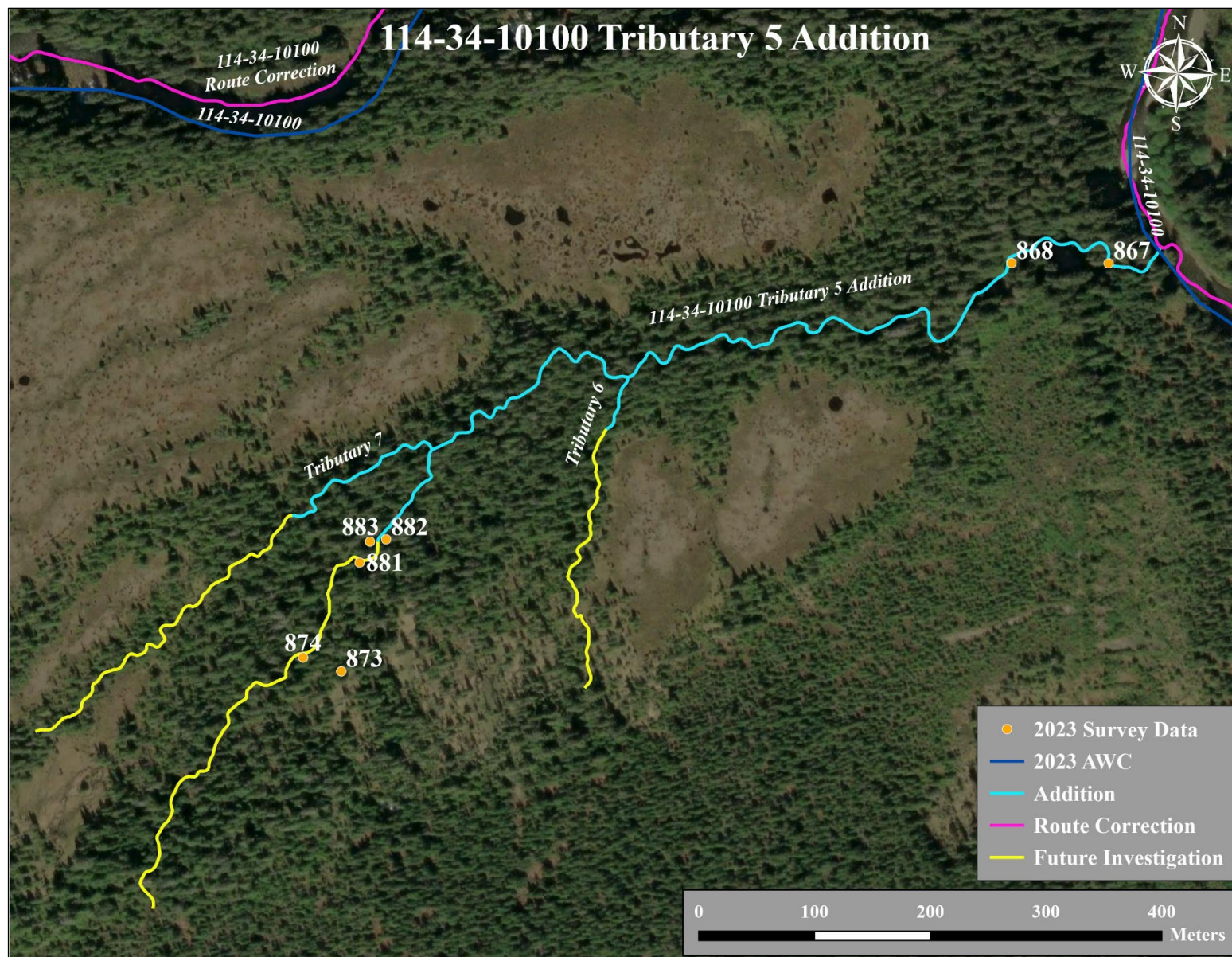


Figure 4.—114-34-10100 tributary 5 addition map.