

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10130-2022-3003-4007-5300 Tributary 1

ADDITION

Water body name:

Survey date: 9/9/2021; 6/28/2022

Quad: Sitka D-5

Species & Lifestage:

Upper Reach Latitude: 57.946736 **Longitude:** -135.397046

Survey crew: RR, FC, BL, MR

Lower Reach Latitude: 57.946473 **Longitude:** -135.398704

Findings: We surveyed this uncataloged stream using a backpack electrofisher, baited minnow traps, and GPS. We captured juvenile coho salmon, Dolly Varden, and cutthroat trout. The tributary stream falls over a 3-to-4 ft tall log jam and additional log/debris jams prior to flowing through a 4 ft wide 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.–114-31-10130-2022-3003-4007-5300 tributary 1 survey data.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|--|-----------------|------------------------------|---------------------------------|------------|---------------|----------------|
| 873 | 57.946954 | -135.394826 | 3-4' falls, considering a temporary barrier to juvenile fish passage, only resident fish found above. Tributary on river-left. | | | | | Not Fished | |
| 874 | 57.946989 | -135.395410 | Stream has good habitat, but many potential temporary barriers to juvenile fish passage downstream. | 4-6 | Small Gravel Large Gravel | Spawning Substrate | 2-4 | EF | No Fish |
| 875 | 57.946780 | -135.396184 | | | | | | EF | 3 DV 2 CT |
| 876 | 57.946732 | -135.397071 | Young-of-year coho caught upstream of culvert. | 4-6 | Small Gravel Large Gravel | Spawning Substrate Cut Banks | 2-4 | EF | 2 CO |
| 2381 | 57.946775 | -135.397453 | Minnow trap set downstream of culvert. 4' CMP perched 8" into 2' pool. | 4-6 | Large Gravel Small Gravel | | 2-4 | MT | No Fish |



Figure 1.—Juvenile coho salmon captured at waypoint 876.



Figure 2.—Channel at waypoint 875.



Figure 3.—Log jam falls at waypoint 873.

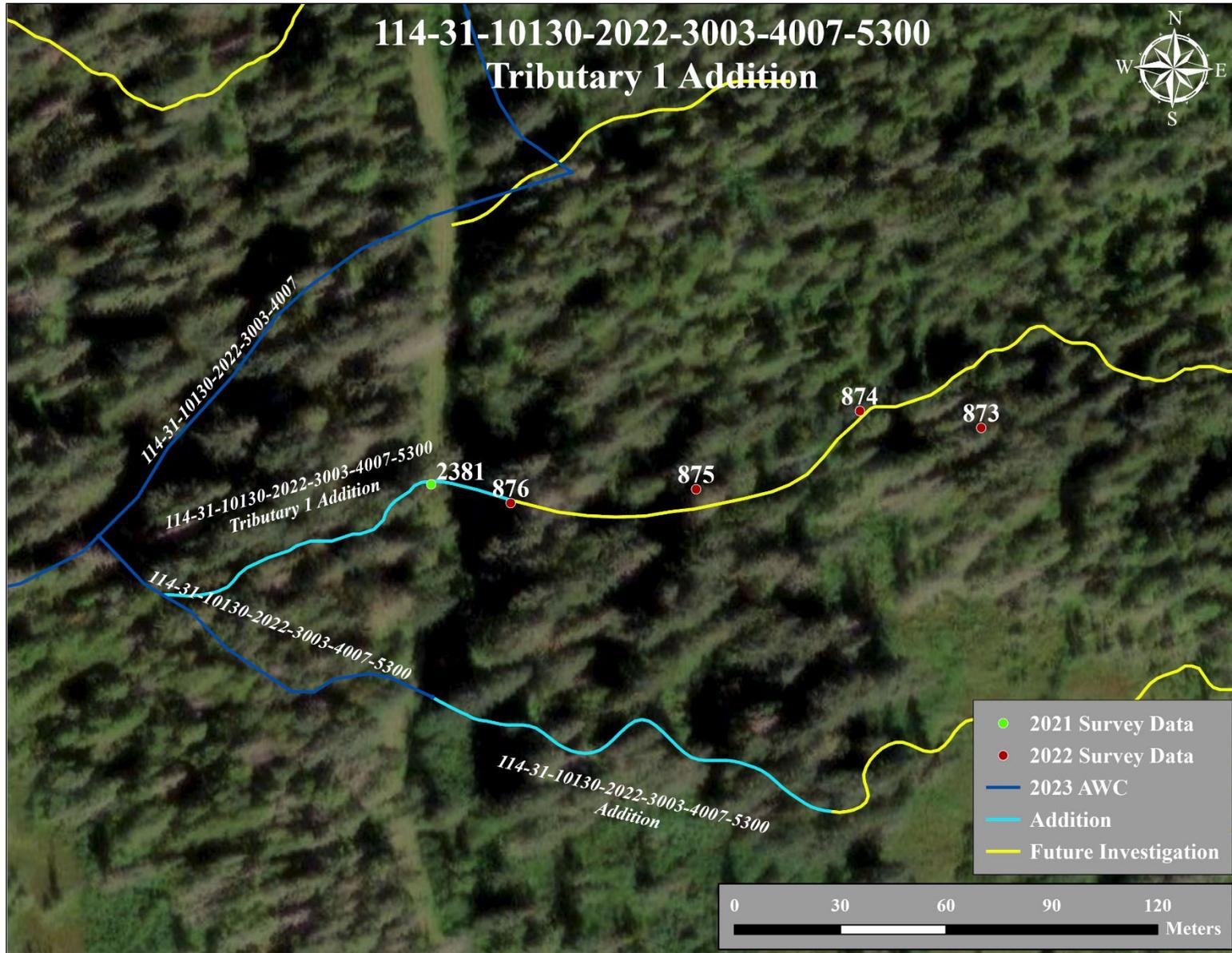


Figure 4.–114-31-10130-2022-3003-4007-5300 tributary 1 addition map.