

Alaska Department of Fish and Game

Habitat Section
Southeast Region



110-16-10030

ADDITION

Water body name:

Quad: Petersburg D-4

Upper Reach Latitude: 56.912926 **Longitude:** -133.282127

Lower Reach Latitude: 56.929556 **Longitude:** -133.287372

Survey date: 8/23/2023

Species & Lifestage: COP

Survey crew: NJ, EK

Findings: We surveyed this cataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon, cutthroat trout, and Dolly Varden (Figure 1). The stream channel gradient increased going upstream and dominant substrate shifted from gravel to cobble and boulders (Table 1; Figures 2, 3).

Recommendations: Extend upper extent of Stream No. 110-16-10030 in the anadromous waters catalog and add rearing coho salmon to species (Figure 4).

Nomination: Pending

Table 1.—110-16-10030 survey data.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|---------------------------------------|-----------------|------------------|------------------|------------|---------------|----------------|
| 700 | 56.916331 | -133.281422 | | | Large Gravel | | 2-4 | EF | 1 CO |
| | | | | | Small Gravel | | | | |
| 701 | 56.915513 | -133.281697 | | | Cobble | | 2-4 | EF | 4 CO |
| 702 | 56.915093 | -133.281782 | | | Cobble | | 2-4 | EF | 2 CO |
| 703 | 56.914461 | -133.282531 | | | Cobble | | 2-4 | EF | 2 CO |
| 704 | 56.914236 | -133.282336 | | | Cobble | | 4-6 | EF | 2 CO |
| | | | | | Boulder | | | | |
| 705 | 56.913974 | -133.282503 | | | Cobble | | 4-6 | EF | 2 CO |
| | | | | | Boulder | | | | 1 CT |
| 706 | 56.913817 | -133.282519 | Grade increase to 6-8. | | Cobble | | 6-8 | EF | |
| | | | | | Boulder | | | | |
| 707 | 56.913463 | -133.282617 | | | Cobble | | 6-8 | EF | 2 CO |
| | | | | | Boulder | | | | |
| 708 | 56.913064 | -133.282561 | | | Cobble | | 8-10 | EF | 2 CO |
| | | | | | Boulder | | | | |
| 709 | 56.912930 | -133.282147 | Upper extent of coho for this survey. | | | | 8-10 | EF | 2 CO |
| 710 | 56.912517 | -133.282032 | | 8-10 | Cobble | Large | 8-10 | EF | 1 DV |
| | | | | | Boulder | Pool | | | |



Figure 1.—Juvenile coho salmon captured at waypoint 708.



Figure 2.—Channel at waypoint 706, facing downstream.



Figure 3.—Channel at waypoint 708, facing upstream.

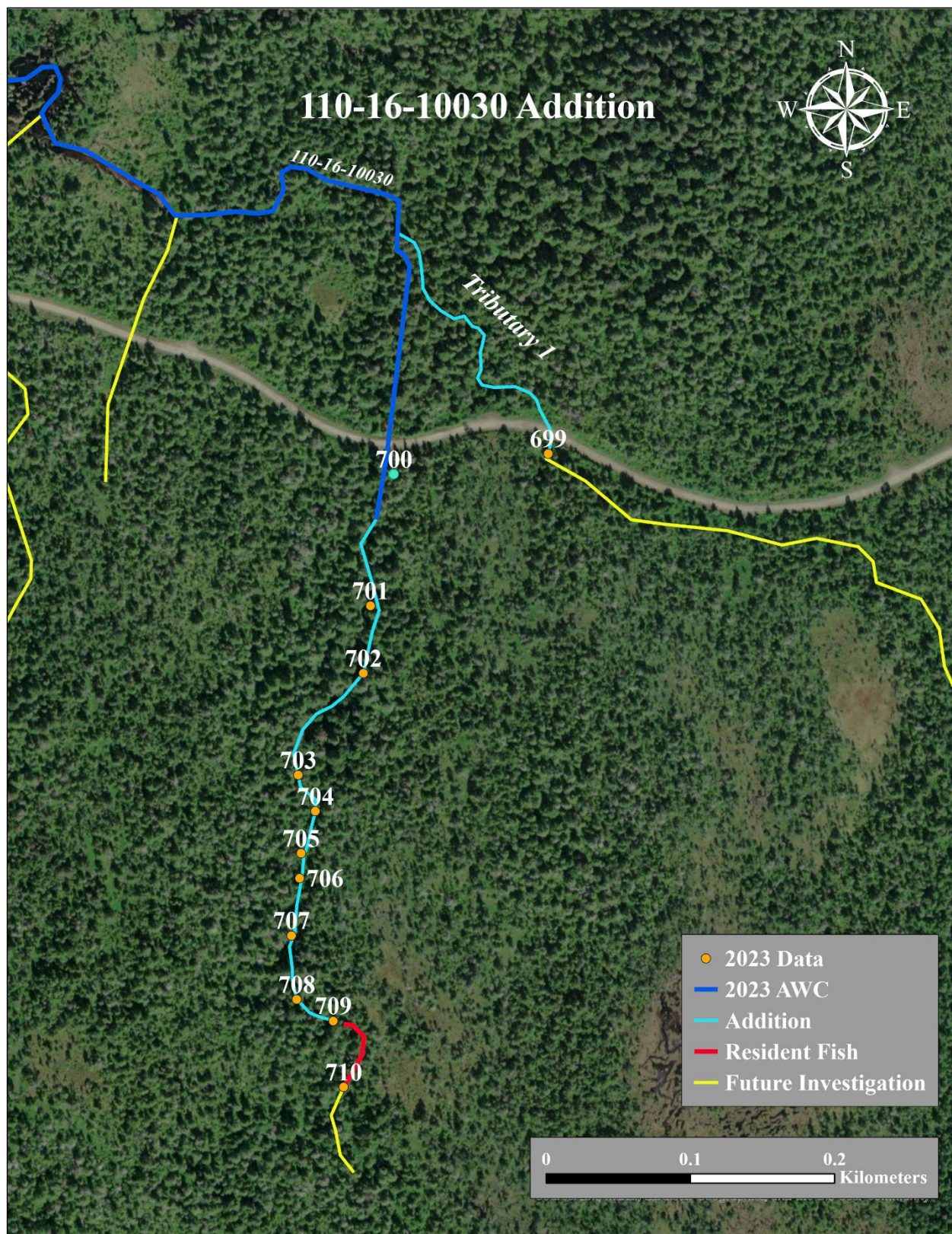


Figure 4.—Stream No. 110-16-10030 addition map.