

# Alaska Department of Fish and Game

Habitat Section  
Southeast Region



## 113-59-10070 Tributary 4

## ADDITION

**Water body name:**

**Quad:** Sitka C-4

**Upper Reach Latitude:** 57.595250 **Longitude:** -135.091901

**Lower Reach Latitude:** 57.589618 **Longitude:** -135.080920

**Survey date:** 8/6/2023

**Species & Lifestage:**

**Survey crew:** DK, NJ

**Findings:** We surveyed this uncataloged stream using a backpack electrofisher and GPS and visually identified juvenile coho salmon and Dolly Varden. No pictures of coho salmon were taken due to so many being visually identified in the stream. Gravels and spawning substrate are scattered throughout the channel, with intermittent woody debris and gravel mounds created by sediment accumulation (Table 1; Figures 1, 2). The survey ended at waypoint 607 due to time, but fish habitat likely continues upstream; future investigation is recommended.

**Recommendations:** Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon up to waypoint 607 (Figure 3).

**Nomination:** Pending

Table 1.—113-59-10070 tributary 4 survey data.

| Waypoint | Latitude  | Longitude   | Notes  | Stream Width ft | Stream Substrate             | Habitat Features          | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|--|-----------------|------------------------------|---------------------------|------------|---------------|----------------|
| 592      | 57.590012 | -135.081446 | Bridge removed and pulled back, hundreds of young of the year coho throughout channel.                           | 15-20           | Small Gravel<br>Large Gravel | Spawning Substrate        | 1-2        | HN            | 3 CO<br>1 DV   |
| 594      | 57.589696 | -135.081017 | Confluence with main.  |                 |                              |                           |            |               |                |
| 596      | 57.590590 | -135.082596 |  | 15-20           | Small Gravel<br>Large Gravel |                           | 1-2        | VI            | 15 CO          |
| 597      | 57.590554 | -135.083759 |  |                 |                              |                           |            | VI            | 5 CO           |
| 598      | 57.590241 | -135.084140 | First beaver dam about 3 ft tall, no jump pool.  |                 | Fine Organic                 | Beaver Pond               |            |               |                |
| 599      | 57.590472 | -135.084496 | 2nd beaver dam found. 1-2 ft tall. used efisher and caught no fish.  |                 |                              |                           |            | EF            |                |
| 600      | 57.591009 | -135.084076 |  |                 |                              | Spawning Substrate<br>LWD |            | VI            | 7 CO           |
| 601      | 57.591079 | -135.085294 | Channel braids.  |                 |                              |                           |            |               | 10 CO          |
| 602      | 57.591504 | -135.086094 | Braids rejoin main, young of the year coho throughout.   |                 |                              |                           | 1-2        | VI            | 6 CO           |
| 603      | 57.592058 | -135.087167 |  |                 |                              |                           |            |               | 12 CO          |
| 604      | 57.592523 | -135.088643 |  |                 |                              |                           |            | VI            | 13 CO          |
| 605      | 57.593795 | -135.089590 |  |                 |                              |                           |            | VI            | 13 CO          |
| 606      | 57.594153 | -135.090031 | Small tributary enters river left. No time to follow up.   | 20-25           | Small Gravel<br>Large Gravel | Spawning Substrate        |            | VI            | 20 CO          |
| 607      | 57.595254 | -135.091921 | Stream continues with excellent habitat for miles. Young of the year coho throughout. End of survey due to time. |                 |                              |                           |            | VI            | 20 CO          |
| 612      | 57.595734 | -135.086259 | Another small stream with the crossing structure removed. Dry currently, likely anadromous when wetted.          |                 |                              |                           |            |               |                |
| 613      | 57.594405 | -135.082698 | Dry channel, possibly anadromous when wet.   |                 |                              |                           |            |               |                |
| 614      | 57.593221 | -135.079496 | Channel dry but likely anadromous when wet. Crossing removed, no constriction on channel.                        |                 |                              |                           |            |               |                |



Figure 1. Upstream at waypoint 601.



Figure 2. Downstream at waypoint 601.



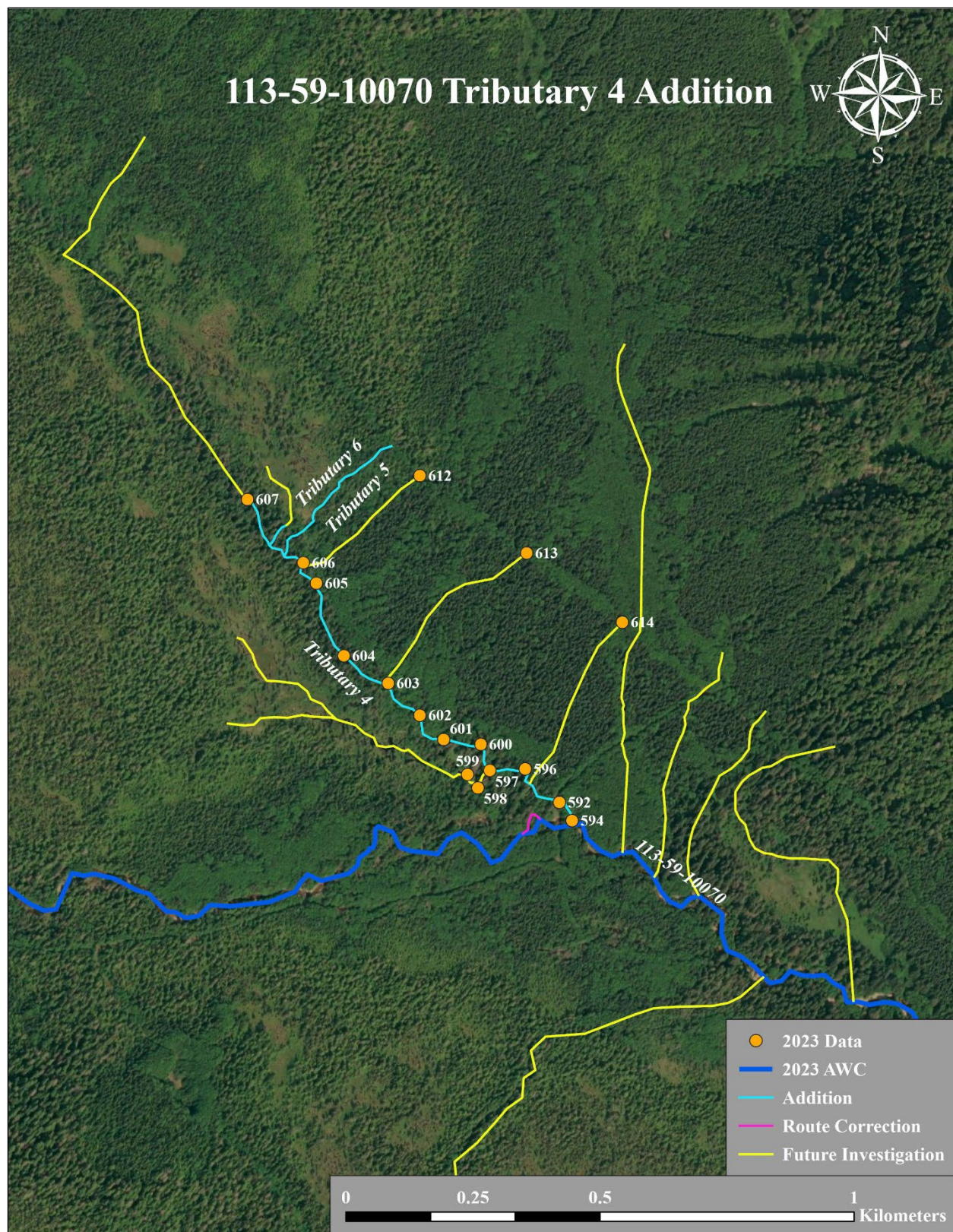


Figure 3. 113-59-10070 tributary 4 addition map.