

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10130-2004

ADDITION & ROUTE CORRECTION

Water body name:

Survey date: 9/1/2021; 6/27/2022; 7/5/2022

Quad: Juneau A-5

Species & Lifestage: CO

Upper Reach Latitude: 58.059066 **Longitude:** -135.491553

Survey crew: DK, FC, RR

Lower Reach Latitude: 58.062201 **Longitude:** -135.487480

Findings: We surveyed this cataloged stream using a backpack electrofisher, baited minnow traps, and GPS. We captured juvenile coho salmon, Dolly Varden, cutthroat trout, and sculpin. We also observed spawning pink salmon. The tributary stream falls over at least two large (about 4 ft tall) log jams, one of which seems to comprise a temporary barrier to fish passage as it is collecting gravel and burying the stream channel (Table 1; Figures 1–4).

Recommendations: Extend upper extent of Stream No. 114-31-10130-2004 in the anadromous waters catalog. Add spawning pink salmon to species list. Use LiDAR predictions of stream hydrography to correct the route of the currently cataloged portion of stream (Figure 5).

Nomination: Pending

Table 1.—114-31-10130-2004 survey data.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|--|-----------------|------------------------------|--------------------|------------|---------------|----------------------|
| 2279 | 58.061618 | -135.488352 | Adult pinks spawning. No armor on river-right, starting to undercut on downstream end. | 15-20 | Small Gravel Large Gravel | Spawning Substrate | 2-4 | MT | 12 P 3 CO 1 DV |
| 865 | 58.056326 | -135.496384 | Stream flowing under bridge. Bridge looks to be in good condition. | 6-8 | Small Gravel Large Gravel | | 4-6 | MT | 1 DV 2 CT |
| 921 | 58.056528 | -135.496136 | Small waterfall caused by log jam, ~1' tall. | 15-20 | Cobble | | 4-6 | EF | 4 CT |
| 922 | 58.057155 | -135.495046 | Grade decreased slightly compared to upstream. | 15-20 | Large Gravel Cobble | | 2-4 | EF | 7 CT 2 DV 2 CT |
| 923 | 58.057486 | -135.494835 | Large log jam, ~4' tall with no real jump pools. Water seeps between the logs. | | | | | | |
| 924 | 58.058076 | -135.493823 | Log jam section. | | | | 6-8 | EF | 2 CT |
| 925 | 58.058208 | -135.493123 | Grade lowers compared to upstream and stream is not incised downstream. Upstream the stream is incised ~50' in a canyon. | | | | | | |
| 926 | 58.059075 | -135.491574 | Grade flattens out compared to upstream. Young-of-year CO. Log jam upstream blocks fish passage. | 15-20 | Large Gravel Cobble | | 1-2 | EF | 4 CO |
| 927 | 58.058891 | -135.491973 | Log jam ~4' tall. Water seeps through gravel, blocking fish passage. Resident fish capture only upstream. | 15-20 | Large Gravel | | 2-4 | EF | 4 CT 1 SC |



Figure 1.—Pink salmon spawning in channel at waypoint 2279.



Figure 2.—Eroding river-right bridge abutment at waypoint 2279.



Figure 3.—Juvenile coho salmon captured at waypoint 926.



Figure 4.—Temporary fish block comprised of a large log jam collecting gravel sediment at waypoint 927.

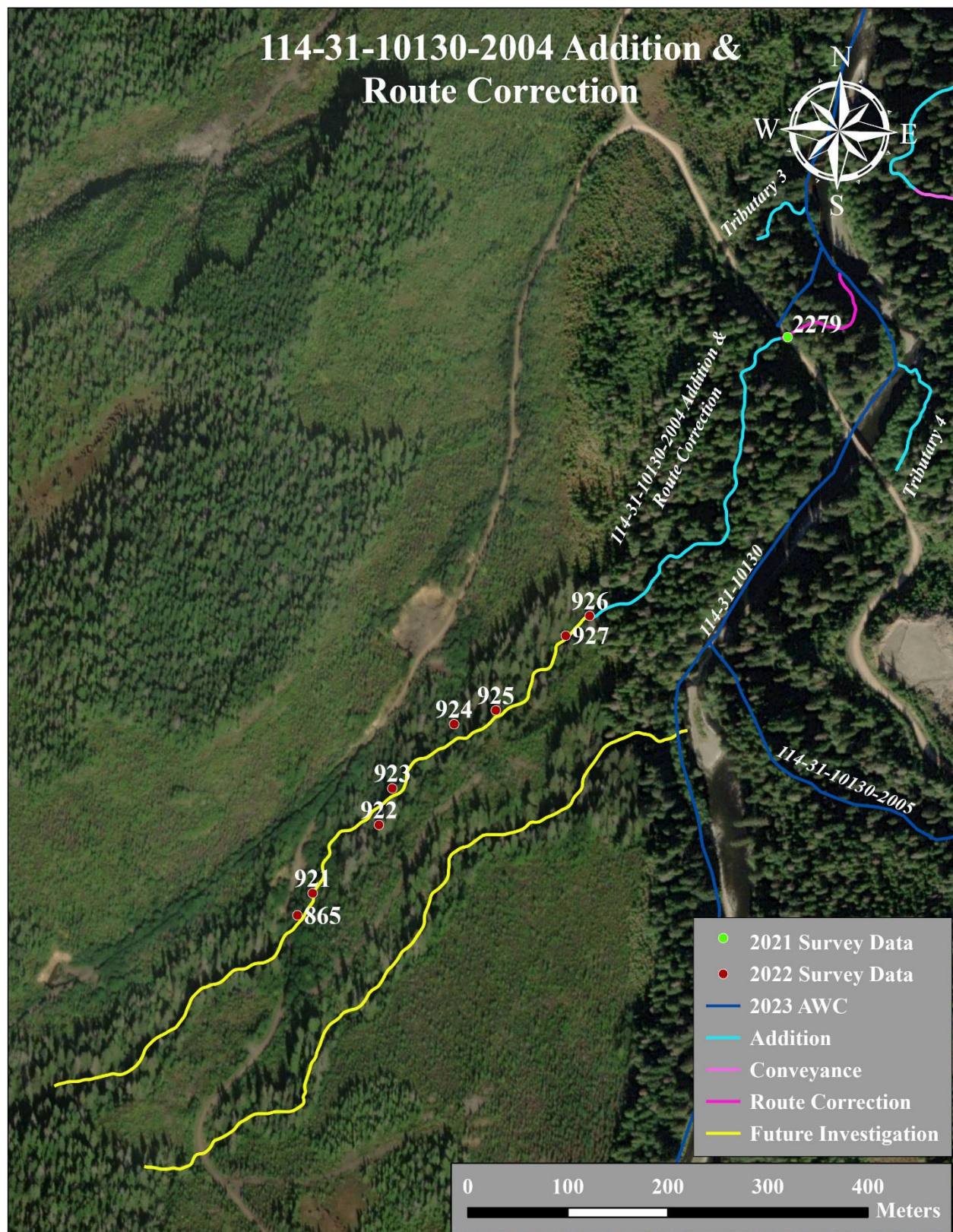


Figure 5.—Stream No. 114-31-10130-2004 addition & route correction map.