

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-27-10300

ADDITION

Water body name: Spasski Creek

Survey date: 6/13/2022

Quad: Juneau A-4

Species & Lifestage: CHp,COp,Pp,CTp,DVp,SHp

Upper Reach Latitude: 58.015137 **Longitude:** -135.250426

Survey crew: RR, FC

Lower Reach Latitude: 58.095141 **Longitude:** -135.292261

Findings: We surveyed this cataloged stream using a backpack electrofisher and GPS. We captured juvenile coho salmon and Dolly Varden. We caught Dolly Varden and cutthroat trout in adjacent tributaries. The stream flows over an estimated 12-to-15 ft tall bedrock falls and through a broad channel with cobble and gravel substrate (Table 1; Figures 1–3).

Recommendations: Extend upper extent of Stream No. 114-27-10300 in the anadromous waters catalog and add rearing coho salmon to species (Figure 4).

Nomination: Pending

Table 1.–114-27-10300 survey data.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|---|-----------------|------------------------------|--------------------|------------|---------------|----------------|
| 713 | 58.016521 | -135.249662 | River-right tributary with exposed bedrock. Looks marginal for fish habitat. Sampling ~300' reach and continuing on road to Spasski main channel. | 10-12 | Boulder Bedrock | | 4-6 | EF | 3 CT 5 DV |
| 714 | 58.015474 | -135.249013 | River-right tributary not present where predicted by LiDAR. Some disconnected pooling of water; no channel. | | | | | Not Fished | |
| 715 | 58.014898 | -135.249785 | Start of survey on Spasski main channel continuation. Starts at low grade into a 2-4' tall bedrock falls. | 20-25 | Large Gravel Cobble | Incised Channel | 1-2 | EF | 3 DV |
| 716 | 58.014910 | -135.249831 | Tributary on river-left. | 4-6 | Large Gravel Small Gravel | | 4-6 | EF | |
| 717 | 58.014270 | -135.249092 | 12-15' tall bedrock falls; difficult to get a photo from our vantage. Continuing survey downstream. | 20-25 | Cobble Large Gravel | | 4-6 | EF | No Fish |
| 718 | 58.015115 | -135.250490 | 2-yr+ CO capture. Advancing downstream. | | | | | EF | 2 CO 1 DV |
| 719 | 58.015127 | -135.250706 | Tributary on river-left. Gradient is high for rearing habitat; no fish capture. | 2-4 | Small Gravel Large Gravel | Spawning Substrate | 4-6 | EF | No Fish |
| 720 | 58.014941 | -135.250841 | End of survey on this tributary; no fish capture. | | | | | EF | No Fish |

Table 1.—Continued.

| Waypoint | Latitude | Longitude | Notes | Stream Width ft | Stream Substrate | Habitat Features | Gradient % | Sample Effort | Sample Results |
|----------|-----------|-------------|--|-----------------|------------------|------------------|------------|---------------|----------------|
| 721 | 58.015398 | -135.250583 | Followed LiDAR predicted route of river-right tributary down and never found stream channel connected to main. | | | | | | |
| 722 | 58.016772 | -135.252048 | Where river-right tributary enters main channel. No CO were found in this tributary; only residential fish (DV, CT). Log jam on main channel; CO were caught upstream. | | | | | Not Fished | |
| 723 | 58.016700 | -135.251736 | Waypoint for route of river-right tributary. | | | | | Not Fished | |
| 724 | 58.016715 | -135.251708 | Waypoint for route of river-right tributary. | | | | | Not Fished | |
| 725 | 58.016556 | -135.251419 | Waypoint for route of river-right tributary. | | | | | Not Fished | |



Figure 1.—Juvenile coho salmon captured at waypoint 718.



Figure 2.—Downstream view of channel at waypoint 715.



Figure 3.—Bedrock falls at waypoint 717.

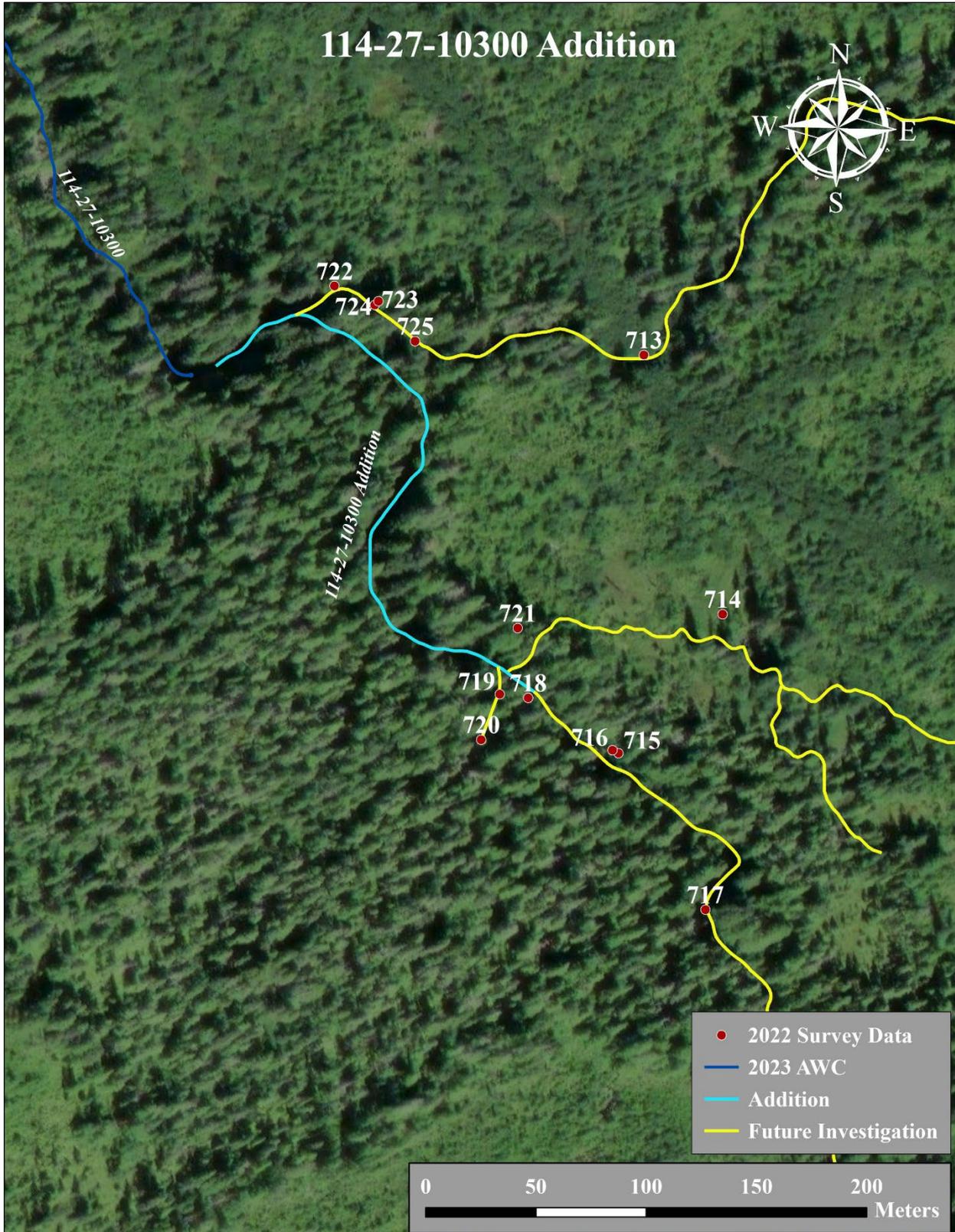


Figure 4.—Stream No. 114-27-10300 addition map.