

Alaska Department of Fish and Game

Habitat Section
Southeast Region



114-31-10090-2031 Tributary 2

ADDITION

Water body name:

Survey date: 7/12/2022; 7/22/2022; 9/6/2022

Quad: Juneau A-5

Species & Lifestage:

Upper Reach Latitude: 58.083475 **Longitude:** -135.339310

Survey crew: FC, RR

Lower Reach Latitude: 58.084374 **Longitude:** -135.351396

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 flows over several beaver dams and has a reach of channel with spawning substrate (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.—114-31-10090-2031 tributary 2 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1005	58.084601	-135.348726	Future investigation. Extension of tributary on river-right of main channel; would be good for electrofishing.					Not Fished	
1200	58.084464	-135.351201	Start of survey on stream. Within 20' from main channel there are 2' log jams and pools, not barriers.	6-8	Large Gravel Small Gravel	Log Jams	2-4	EF	2 CO 1 CT
1201	58.084677	-135.350565						EF	2 CO 1 CT
1202	58.084736	-135.349780	Stream is becoming more incised, with bedrock beginning to be exposed.	4-6	Large Gravel	Incised Channel	6-8	EF	1 CO
1203	58.084658	-135.349274	Track of stream.						
1204	58.084627	-135.348830	Stream begins to flatten out again, no bedrock exposed.	8-10	Small Gravel	Spawning Substrate	2-4	EF	2 CO 2 CT 1 DV
1205	58.084679	-135.348086	Track of stream.						
1206	58.084769	-135.347611	Stream goes subsurface and begins to have deep cut banks.	6-8	Fine Organic Small Gravel	Cut Banks	2-4	EF	
1207	58.084645	-135.347279	Track of stream.						
1208	58.084791	-135.346930						EF	2 CO
1209	58.084634	-135.346527	Track of stream.						
1210	58.084487	-135.345625	Track of stream.						
1211	58.084368	-135.345249		4-6	Small Gravel Fine Organic	Incised Channel SWD	2-4	EF	1 DV 2 CO
1212	58.084317	-135.344444	Track of stream.						

Table 2.–Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
1213	58.084105	-135.342912	Small beaver dam with a small pond upstream; part of stream going around. Series of 2' beaver dams further upstream.	6-8	Small Gravel	Beaver Pond SWD	4-6	EF	2 CO
1214	58.084094	-135.342336	Larger beaver dam, 2-3' tall and 5' wide filled with dirt and debris. Stream becomes very deep upstream, not good conditions for electrofishing.					EF	No Fish
1215	58.084095	-135.341632	5' tall beaver dam. Electrofishing has become ineffective because stream is extremely deep and wide. There is a lot of potential habitat and there is a small stream going through this beaver dam. Returning to continue survey upstream via minnow traps. Minnow traps soaked downstream and upstream of beaver dam overnight. Downstream fish capture: 2 CO, 2 CT, 1 DV; upstream: 5 CO, 7 DV, 1 CT.					MT	7 CO 3 CT 8 DV
1673	58.083509	-135.339619	Minnow traps soaked downstream and upstream of 1-2' tall beaver dam overnight. 2-yr+ CO capture (all fish capture in upstream trap; no fish capture downstream).					MT	5 CO 2 DV 1 CT
1674	58.083478	-135.339331	Minnow trap soaked upstream of 1-2' tall beaver dam overnight. 1-yr and 2-yr CO capture.					MT	3 CO 1 CT 3 DV
1675	58.083157	-135.338236	Stream becomes slightly more channelized compared to downstream before additional ~3' tall beaver dam, pooled upstream of dam. Minnow trap soaked upstream of beaver dam overnight.	2-4	Small Gravel Large Gravel		1-2	MT	3 DV 1 CT
1676	58.082407	-135.336334	Minnow trap soaked upstream of 1-2' tall beaver dam overnight.	4-6	Fine Organic		1-2	MT	1 CT



Figure 1.—Juvenile coho salmon captured at waypoint 1673.



Figure 2.—Tributary 2 at waypoint 1200.



Figure 3.—Beaver dam at waypoint 1673.

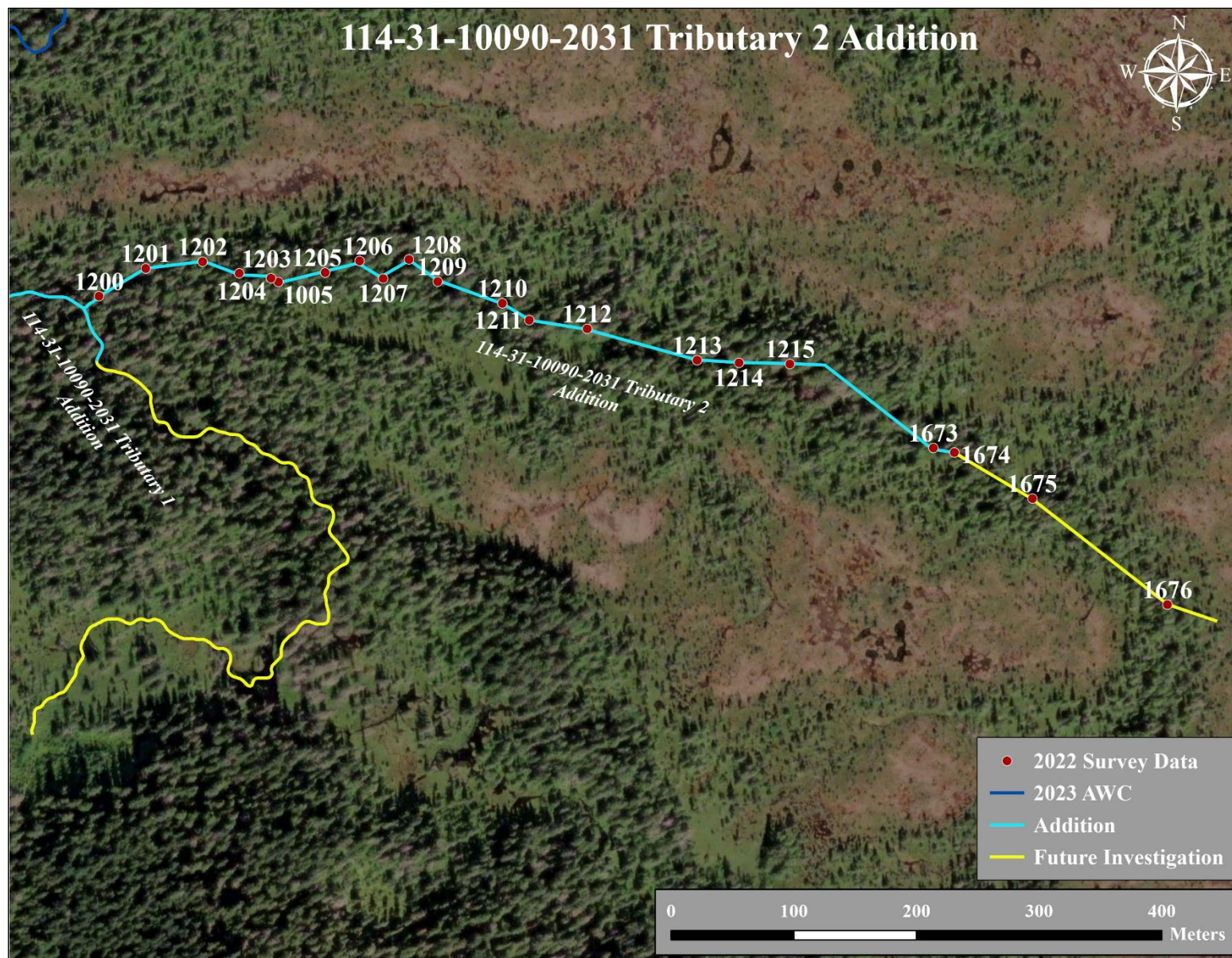


Figure 4.-114-31-10090-2031 tributary 2 addition map.