

Alaska Department of Fish and Game

Habitat Section
Southeast Region



109-42-10100-2023-3019-4006

ADDITION

Water body name:

Quad: Petersburg D-5

Upper Reach Latitude: 56.912680 **Longitude:** -133.619820

Lower Reach Latitude: 56.938471 **Longitude:** -133.630487

Survey date: 6/14/2023

Species & Lifestage: CO

Survey crew: CD, FC

Findings: We surveyed this cataloged stream using a backpack electrofisher and GPS and captured juvenile coho salmon (Figure 1). Stream is forested, has evidence of beaver activity, and has spawning substrate throughout the area surveyed (Table 1; Figures 2, 3). Survey concluded due to a lack of time; anadromous fish habitat potentially continues upstream of final survey point.

Recommendations: Extend upper extent of Stream No. 109-42-10100-2023-3019-4006 in the anadromous waters catalog for rearing coho salmon (Figure 4).

Nomination: Pending

Table 1.—109-42-10100-2023-3019-4006 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
294	56.921945	-133.626991	Starting survey upstream of cataloged reach. Quality rearing and spawning habitat continue upstream. Young-of-year CO capture.	10-12	Large Gravel Cobble	Spawning Substrate Log Jams	2-4	EF	2 CO
295	56.918921	-133.623677	Continued young-of-year CO capture. Slight increase in grade and incidence of log jams and step falls compared to downstream.				4-6	EF	2 CO
296	56.918508	-133.622841	Continued 1-yr CO capture just upstream of slight grade increase and fallen logs and woody debris jam. Gradient mellows slightly above debris jam.				2-4	EF	CO
297	56.916756	-133.620417	Gradient has increased over last 200' downstream of waypoint. Continued young-of-year capture.		Cobble Large Gravel	Spawning Substrate Incised	6-8	EF	2 CO 2 CT
298	56.915643	-133.619472						VI	3 CO
299	56.915024	-133.620223							
300	56.914760	-133.620270	Continued young-of-year CO capture upstream of bedrock cascade at downstream waypoint.			Incised Channel	4-6	EF	2 CO
301	56.914291	-133.620000	Continued young-of-year CO capture just downstream of beaver dam/ponding.			Beaver Pond Incised Channel	4-6	EF	2 CO

Table 2.—Continued.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
302	56.913723	-133.620796	Tributary enters on river-left. Continuing up main channel.						
303	56.912685	-133.619839	Continued 1-yr CO capture. Gradient has decreased compared to downstream. Channel has become less incised and extremely sinuous. CO rearing habitat likely continues further upstream into low-gradient muskeg. Ending survey to prioritize streams closer to areas of potential development.	6-8	Large Gravel Small Gravel	Spawning Substrate	2-4	EF	2 CO



Figure 1.—Juvenile coho salmon captured at waypoint 303.



Figure 2.—Channel at waypoint 299 facing downstream.



Figure 3.—Channel at waypoint 303 facing downstream.

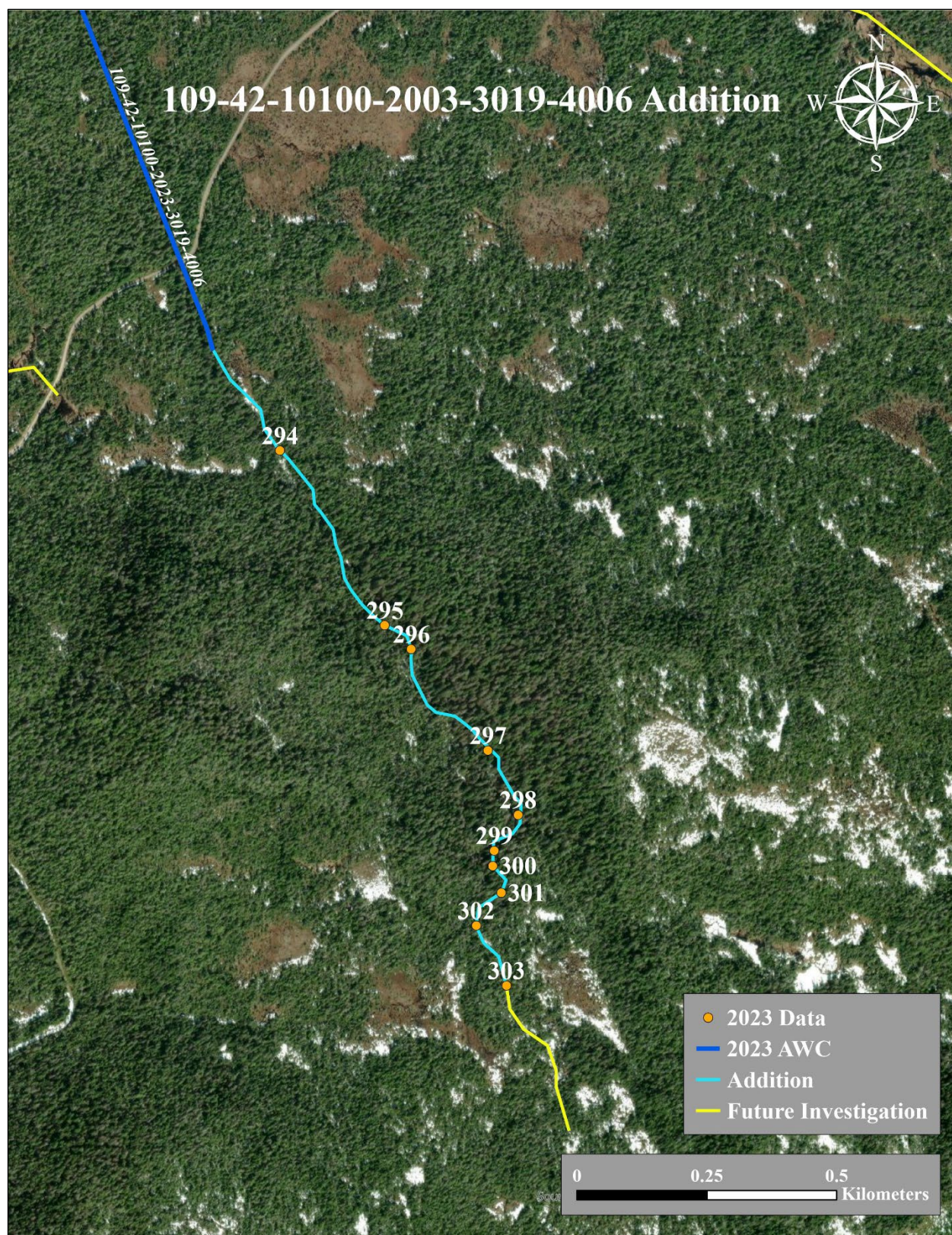


Figure 4.—Stream No. 109-42-10100-2023-3019-4006 addition map.