

Alaska Department of Fish and Game

Habitat Section
Southeast Region



109-42-10100-2014 Tributary 2

ADDITION

Water body name:

Quad: Petersburg D-5

Upper Reach Latitude: 56.854089 **Longitude:** -133.581309

Lower Reach Latitude: 56.861073 **Longitude:** -133.582060

Survey date: 6/13/2023

Species & Lifestage:

Survey crew: CD, FC

Findings: We surveyed this uncataloged stream using a baited minnow trap, a backpack electrofisher and GPS and captured juvenile coho salmon, cutthroat trout, and Dolly Varden (Figure 1) Stream channel is forested and gets increasingly steep upstream of waypoint 289 (Table 1; Figures 2, 3).

Recommendations: Add this uncataloged stream to the anadromous waters catalog for rearing coho salmon (Figure 4).

Nomination: Pending

Table 1.–109-42-10100-2014 tributary 2 survey data.

Waypoint	Latitude	Longitude	Notes	Stream Width ft	Stream Substrate	Habitat Features	Gradient %	Sample Effort	Sample Results
251	56.856115	-133.581555	Minnow trap soaked 3 hrs just upstream of steel I-beam and wood surface ~30'x15' bridge. Abutments well-armored.	10-12	Cobble Boulder		4-6	MT	2 CO 2 CT 1 DV
252	56.856221	-133.577552	Minnow trap soaked 2.5 hrs downstream of 3' CSP (slightly undersized) embedded culvert. FS placard by culvert indicate CO capture.	4-6	Large Gravel Small Gravel	Spawning Substrate	4-6	MT	1 DV 1 CT
279	56.855953	-133.581581	Starting survey from minnow trap location from yesterday.						
280	56.855684	-133.581463	Slight increase in grade, a few small cascades throughout and deep pools.		Cobble Small Gravel		6-8		2 CO 1 DV 1 CT
281	56.855561	-133.581357	Cascade and pools, 3-4ft high.				4-6		
282	56.855428	-133.581264							2 CO DV 2 CO
283	56.855271	-133.581291							
284	56.854919	-133.581184	Channel more incised, bedrock visible. Cascades more frequent.				6-8		
285	56.854880	-133.581303	YOY coho.						3 CO
286	56.854780	-133.581367	3ft falls. coho fry visible along pools.				4-6		2 CO
287	56.854505	-133.581198		10-12					2 CO
288	56.853851	-133.581412	Gradient increasing, small 3ft falls.		Small Gravel		6-8		
289	56.853257	-133.581026	Radiant increasing, multiple three foot step falls. Not seeing or catching coho at this point. End of survey.		Cobble		6-8	EF	
290	56.854106	-133.581422			Cobble			EF	2 CO



Figure 1.—Juvenile coho salmon captured at waypoint 280.



Figure 2.—Channel at waypoint 281.



Figure 3.—Channel at waypoint 290.



Figure 4.—109-42-10100-2014 tributary 2 addition map.