

Peterson Creek Route Correction

Stream: Peterson Creek (113-41-10185) Route Correction

Watershed: Eastern Channel-Frontal Sitka Sound

USGS Quadrangle: Sitka-A-5

MTRS: Section: 35, 36 Township: 55 S Range: 63 E

Date Surveyed: May 2 & 3, 2012

Findings: This short stream provides rearing habitat for coho salmon, pink salmon fry and Dolly Varden char. This stream presents many restoration opportunities including perched culverts (Wpts 115, 116), and debris removal throughout lower mainstem.

Recommendations: We recommend adding this stream course to the Anadromous Waters Catalog.

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1. Survey notes from May 2 & 3, 2012.

Waypoint	lat	lon	Notes	Sample Effort	Sample Results
58	57.063712	-135.34275	Tributary enters on river right, small with lots of detritus. Electrofisher settings: 300v, 30Hz and 25% duty cycle. No fish, when I stepped in I created a vortex and it drained the pool.		
59	57.063611	-135.342516	Tributary river left. Fishing confluence. And got one Dolly Varden about 75mm.	Electrofisher	1 Dolly Varden about 75mm
60	57.063142	-135.341949	Tributary is runoff form high parking lot, see photo (2). Could use chx dams.		
61	57.06358	-135.341039	Main stem goes under walking path through about 6' culvert. Tributary on river right, see photos (3). Fishing below culvert. Got one Dolly Varden about 60mm. Electrofishing up tributary, but changed settings to 350v. One visual on Dolly Varden about 40mm and got one Coho about 75mm, see photo. Caught one Dolly Varden emergers and one Dolly Varden about 50mm.	Electrofisher and Visual ID	1 Coho about 75mm and 3 Dolly Varden between 40-50mm
62	57.063708	-135.341012	Caught one Coho in tributary.	Electrofisher	1 Coho
64	57.064185	-135.341494	Top of tributary, no fish and see photos (2).	Electrofisher	Nothing
65	57.064202	-135.340976	Splits three ways. River right, river left and straight. Straight is very low flow. Walking up river right first. Hand drawn diagram in notebook.		
66	57.064174	-135.341095	Caught one Coho, see photo.	Electrofisher	1 Coho
67	57.064592	-135.341208	Gradient change, visual on large Dolly Varden in pool at base of gradient change. Battery 1 died.	Visual ID	1 Dolly Varden
68	57.064712	-135.340975	Upper extent, H2O from under ground. Looks like was a stream @ one time then went under ground. Photos (3).		
69	57.064228	-135.340983	Tributary on river left, walking up.		
70	57.064214	-135.340819	Braided see from tributary or tributary right comes form top of main tributary at waypoint# 65.		
71	57.06426	-135.340337	Upper extent of tributary, where it hits a hiking trail.		
72	57.063476	-135.34066	Tributary on river right.		

73	57.063785	-135.340392	Upper extent of tributary, no fish caught or seen subteraninan flow in several areas.		
74	57.06354	-135.338488	Two Coho caught under cut bank in deep pool and one visual.	Electrofished and Visual ID	2 Coho
75	57.06369	-135.337687	Upper extent of tributary on river right. Will waypoint where tributary enters main stem for waypoint 76.		
76	57.063576	-135.337781	Tributary on river right, no fish caught.		
77	57.06352	-135.337725	Fedder stream on river left. With gradient barriere at confluence.		
78	57.063484	-135.337606	Caught one Coho above waypoint 77 in mainstem.	Electrofisher	1 Coho
79	57.063474	-135.337466	Caught one Coho about 60mm. See photo.	Electrofisher	1 Coho about 60mm
80	57.063578	-135.336618	Tributary on river right.		
81	57.0637	-135.336144	Tributary on river left, caught one Dolly Varden about 55mm.	Electrofisher	1 Dolly Varden about 55mm
82	57.063639	-135.335757	Upper extent of tributary with gradient barrier. See photos (1).		
83	57.063661	-135.33588	Caught one Coho about 60mm.	Electrofisher	1 Coho about 60mm
84	57.063851	-135.335816	One Coho about 60mm.	Electrofisher	1 Coho about 60mm
85	57.064	-135.335194	Tributary on river right. Are a few carcasses on the bank at confluence with mainstem.		
86	57.064273	-135.334816	Upper extent of tributary, becomes braided and no fish.	Electrofisher	Nothing
88	57.063873	-135.333645	Arrived at our end point from yesterday. Beginning track here, fishing our way up. Electrofisher settings: 325v, 30Hz and 25% duty cycle.		
89	57.063932	-135.333341	Electrofished, captured one Coho about 65mm. Recovered and released. Nice job boys!	Electrofisher	1 Coho about 65mm
90	57.063876	-135.333298	Jumping into a small tributary. Coming from a muskeg. Walking up and shocking some small pools. Matt just fell in. Where "stream" emerges from muskeg pond. Shocking nothing.	Electrofisher	Nothing
91	57.063683	-135.333309	Electrofished and captured one Coho about 85mm at confluence of tributary on river right and main.	Electrofisher	1 Coho about 85mm
92	57.063925	-135.333144	Electrofished and captured one Coho about 85mm at confluence of tributary on river right and main.	Electrofisher	1 Coho about 85mm
94	57.06381	-135.332849	Subsurface bend in stream adjacent to pond on river right. Lots of nets and snares. Yikes. Rootwads providing cover and pools. Shocked, no fish in pond.	Electrofisher	Nothing
95	57.06383	-135.332699	Fishing a rootwad complex, ID of a Coho, in the company of three other fish.	Visual ID	1 Coho
97	57.063959	-135.331504	Tributary on river right, good flow. Fishing confluence, rolled a Dolly Varden, captured one Dolly Varden about 50mm.	Electrofisher	1 Dolly Varden about 50mm
98	57.063977	-135.331476	Fished one Dolly Varden about 55mm. Just up from mouth of tributary.	Electrofisher	1 Dolly Varden about 55mm

100	57.064245	-135.331342	Fished LWD, visual of two Dolly Varden. Dedicated netting by Gorden and Matt.	Visual ID	2 Dolly Varden
101	57.064333	-135.33128	Netted one Dolly Varden about 40mm.	Handnet	1 Dolly Varden about 40mm
102	57.064429	-135.331142	Ending at steep gradient channel. Low flow, cobbles. No fish caught at upper limit. Heading back to mainstem.		
103	57.063996	-135.331417	Back on mainstem. Netted two Dolly Varden.	Electrofisher	2 Dolly Varden
104	57.06394	-135.331298	Confluence of small feeder stream and main. No fishing holes. Keeping with main. Netted one Dolly Varden in main.	Electrofisher	1 Dolly Varden
105	57.06373	-135.330844	Confluence of tributary and main. One looks to emerge from a muskeg. Following this up river left.		
107	57.063425	-135.330094	Source of stream in muskeg		
108	57.063644	-135.330677	Back on mainstem. Shocking up.		
109	57.063804	-135.330241	Outlet of Peterson Creek. Pushed out culvert, 6.5' culvert. Spills out into harbor.		
111	57.060261	-135.348032	Inlet of long culvert that flows under road, parking lots, etc. Large log debris jam blocking the inlet and causes a long drop (3'). We kicked a hole in the jam and the upstream pool dropped 6".		
112	57.06051	-135.347335	Junk-filled debris jam. Neighborhood junk pile, garbage. Razor blades		
113	57.06067	-135.347061	Sediment laden parking lot stream coming in on river right. Found a slate covered in macroinvertebrates.		
114	57.061256	-135.343751	Poorly bedded culvert (see photo) on Peterson Creek (crap trap creek).		
115	57.06232	-135.344429	At double pipes that we began the survey at on the 2nd.		
116	57.063471	-135.344227	Inlet of culvert imbedded in a cement bank. Fishing pool above. Doubtful fish passage.	Electrofisher	Nothing
117	57.063664	-135.344199	Confluence of equal size stream. Fishing stream on river right. No fish thus far.	Electrofisher	Nothing
118	57.064651	-135.343312	Top of potential fish habitat. Steep gradient, unstable cobbles.		

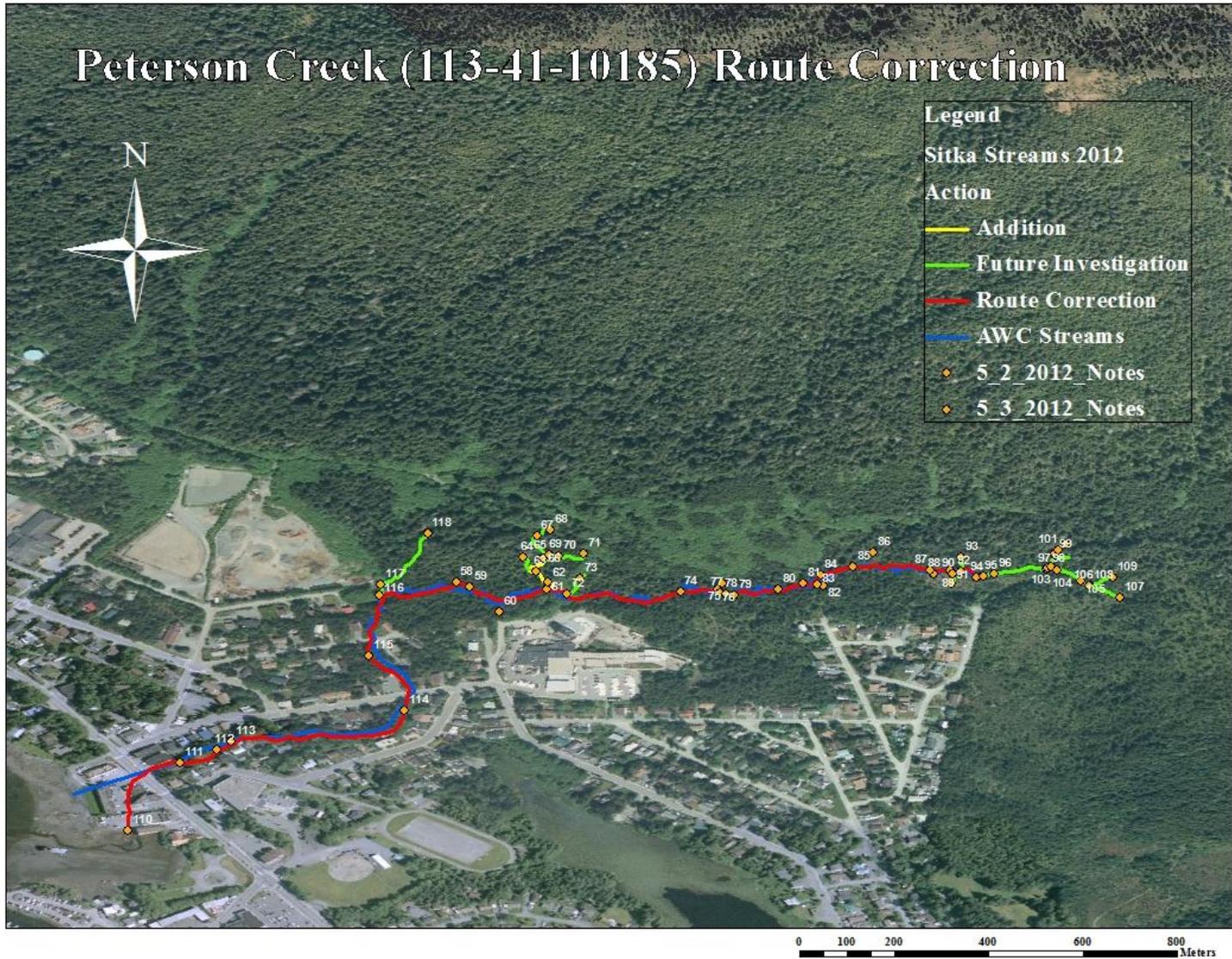


Figure 1. Map of Peterson Creek: Stream No. 113-41-10185 Route Correction.