

**107-40-10780-2003****CORRECTION****Water body name:****Survey date:** 9/26/2014**Water body number:** 107-40-10780-2003**Species & Lifestage:** COP**Watershed:** Salamander Creek-Frontal Eastern Passage**MTR:** C064S085E **Quad:** Petersburg B-1

**Findings:** We surveyed stream no. 107-40-10780-2003 using a backpack electrofisher and GPS (Table 1). We started at the road and surveyed downstream until we reached the confluence with Earl West Creek (Figure 1, 2). We caught cutthroat trout and Dolly Varden char but no coho salmon. Problems with our backpack electrofisher resulted in a poor sampling effort. We encountered barriers to fish passage, including a falls at WP 146 (Figure 3, 4).

**Recommendations:** Shorten the stream in the AWC to the falls at WP 146. Update the stream route in the AWC. Add coho salmon rearing and Dolly Varden char presence (Figure 5).

**Nomination:** Pending

Table 1.–107-40-10780-2003 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
136	56.3264	-132.1178	Inlet of East EWC Culvert.		
137	56.3264	-132.1180	Outlet of East EWC Culvert. Begin stream survey; E-fishing downstream towards mouth.		
138	56.3265	-132.1202	Tributary on river right. Goes suterranean after 30 ft. 1 ft wetted width and 1-2 in depth.	EF	No Fish
139	56.3268	-132.1201	End of E-fishing effort in tributary.	EF	No Fish
140	56.3264	-132.1213	Photos.		
141	56.3271	-132.1220	Photos.		
142	56.3274	-132.1233	Top of cascade falls. Tributary on river left.		
143	56.3275	-132.1233	Second cascade falls. 6 ft jump. 3 ft pool is 6 ft away from the base of falls due to bedrock. 5 falls in the series 4-6 ft tall. Gradienet is 22 % over 34 yds downstream.		
144	56.3276	-132.1234	Bottom of cascade falls no 2.		
145	56.3277	-132.1236	Bottom of cascade section.		
146	56.3278	-132.1238	Falls about 100 ft downstream of the last section of cascades. Had to side hill to bypass canyon.		
147	56.3285	-132.1254	Back in stream after detour.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
148	56.3287	-132.1267	Side channel on river right, just downstream of WP 147. Tributary into side channel on river right, 2 ft wide and 5 in deep at confluence.		
149	56.3289	-132.1266	Splits into two channels with similar flow. Visual of several fish but no ID. E-fish up river right channel.	EF	No Fish
150	56.3291	-132.1264	End survey, no fish seen or caught.		
151	56.3289	-132.1263	Survey heading up river left channel as it has a little more flow than river right.	EF	1 DV
152	56.3290	-132.1254	End survey.		
153	56.3288	-132.1267		EF	1 DV, 1 CT
154	56.3288	-132.1268	Tributary to side channel on river right.		
155	56.3288	-132.1269		EF	1 DV, 3 CT
156	56.3292	-132.1265	Deeply incised channel.	EF	1 CT
157	56.3299	-132.1260	Gradient change, starts getting steeper	EF	No Fish
158	56.3300	-132.1259	Ending fishing on this stream, 2 small falls below channel splits just above. Possible barrier to juveniles.		
160	56.3285	-132.1267	Tributary meets medium side channel.		
161	56.3282	-132.1266	Medium side channel hits mainstem.		
162	56.3273	-132.1281		EF	1 CT
163	56.3273	-132.1286	Tributary on river left has a 2 ft drop, creating a fish barrier at current water flows.		
164	56.3271	-132.1284	E-fish upstream in tributary.	EF	No Fish
165	56.3267	-132.1282	Stream goes subterranean. Ending survey of tributary.		
166	56.3274	-132.1296	Confluence of East branch and the mainstem of EWC.		



Figure 1.—East Earl West Creek above anadromous fish barrier.



Figure 2.—Johnny Zutz at confluence of East Earl West Creek and Earl West Creek.



Figure 3.—Upstream portion of fish barrier complex.



Figure 4.—Base of falls complex at waypoint 146.

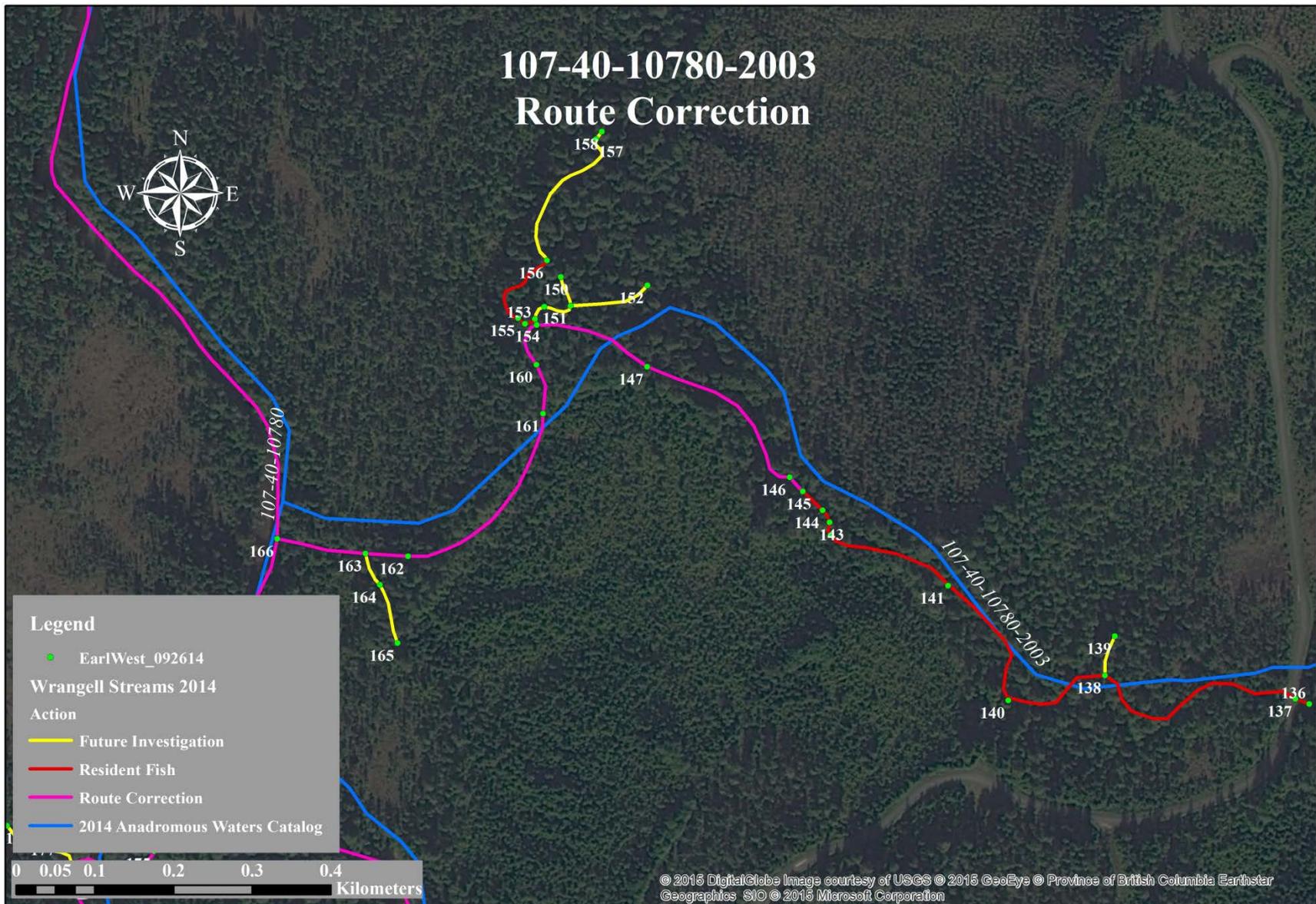


Figure 5.—107-40-10780-2003 route correction map.

Wrangell