

**Yindastuki Route Correction****Stream:** Yindastuki Creek (115-32-10250-2002)**Watershed:** Chilkat Inlet-Frontal Lynn Canal**MTRS:** CO30S059E, Skagway A-2**Date Surveyed:** March 18-20, 2013 and April 18-19, 2013

**Findings:** On March 18-20 and April 18-19 2013 we tracked and conducted fish surveys Yindastuki Creek and associated ponds. We found overwintering coho salmon in this stream and ponds (Tables 1 and 2). The upper portion of Yindastuki Creek has great rearing and overwintering habitat for coho salmon. The upper portion of the creek had many ice free sections and appears not to completely freeze during the winter. The creek flows into two ponds after crossing under the airport road. Both of the ponds were frozen in March but we were able to break through the ice to set minnow traps overnight. All but three of the traps had juvenile coho salmon.

**Recommendations:** Update the AWC with the new data collected for this stream.

**Notes:** This data was collected in March and April 2013. The route correction has already been updated in the 2013 AWC but data was not submitted at the time of the correction. The two maps (Figures 1 and 2) below illustrate the old 2012 route and the updated 2013 route.

Table 1: 115-32-10250-2002 March 18-20, 2013 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
123	59.2495	-135.5333	Stream No. 115-32-10250-2002. Steep gradient. Less likely to have anadromous fish. Stopped tracking.		
124	59.2487	-135.5329	Stream No. 115-32-10250-2002. Upstream side of culvert. Culvert looks really good. Substrate and flow are good. Any fish should be able to pass.		
126	59.2485	-135.5327	Downstream side of culvert.		
129	59.2470	-135.5265	Continue tracking Stream No. 115-32-10250-2002. Upstream side of culvert near East pond. Set 3 minnow traps in creek. It was partially frozen but we were able to break through the ice.	MT	50 CO ~ 40-115 mm, 12 three spine stickleback
130	59.2467	-135.5263	Downstream side of culvert.		
131	59.2464	-135.5264	Upstream side of culvert.		
132	59.2462	-135.5266	Downstream side of culvert.		
133	59.2461	-135.5266	East pond completely frozen. Chopped ice and set 1 minnow trap.	MT	15 CO ~ 50-100 mm
134	59.2457	-135.5248	Southern end of East Pond.		
136	59.2459	-135.5256	Approximate location of upstream culvert. Will track across runway.		
137	59.2452	-135.5254	Downstream side of culvert.		
138	59.2443	-135.5210	Confluence of Stream No. 115-32-10250-2002 and Stream No. 115-32-10250-2002-3017.		

Table 1 Continued: 115-32-10250-2002 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
140	59.2441	-135.5203	Upstream side of culvert.		
141	59.2440	-135.5197	Downstream side of culvert.		
143	59.2426	-135.5135	Upstream side of culvert.		
144	59.2424	-135.5130	Downstream side of culvert.		
147	59.2405	-135.5099	Mouth of Stream No. 115-32-10250-2002 and Chilkat River.		
148	59.2431	-135.5141	Downstream side of culvert. Tributary to Stream No. 115-32-10300.		
150	59.2428	-135.5143	Mouth of drainage culvert.		
158	59.2435	-135.5162	Drainage culvert from pond. We set 5 minnow traps here. We had to break through a thin layer of ice.	MT	36 CO ~ 40-100 mm, 33 three spine stickleback
160	59.2436	-135.5169	Mouth of drainage culvert.		
161	59.2474	-135.5287	Set minnow traps in Stream No. 115-32-10250-2002. All of the traps, except for the upper two traps below the culvert are set in prime coho rearing habitat. Cover, lwd, most of this section of the stream is ice-free.	MT	5 CO ~ 50-90 mm, 1 threespine stickleback
162	59.2477	-135.5291	Minnow trap 2.	MT	6 CO ~ 50-90 mm, 1 three spine stickleback
163	59.2479	-135.5299	Minnow trap 3.	MT	14 CO ~ 40-90 mm, 1 threespine stickleback
164	59.2479	-135.5303	Minnow trap 4. Lower pond. We tried to set another trap in the lower pond but we chopped 10-12 " of ice before we gave up. No water.	MT	15 CO ~ 40-90 mm
165	59.2479	-135.5310	Minnow trap 5.	MT	40 CO ~ 50-100 mm, 1 threespine stickleback
166	59.2480	-135.5314	Minnow trap 6.	MT	20 CO ~ 50-100 mm, 1 DV ~ 90 mm

Table 1 Continued: 115-32-10250-2002 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
167	59.2482	-135.5322	Minnow trap 7.	MT	1 CO 60 mm, 1 three spine stickleback
168	59.2482	-135.5324	Minnow trap 8.	MT	9 CO ~ 40-110 mm
169	59.2484	-135.5325	Minnow trap 9. Set in the open.	MT	No fish.
170	59.2485	-135.5327	Minnow trap 10. Set in the open.	MT	No fish.
171	59.2467	-135.5264	Set minnow traps in the East Apron expansion ponds. MT 1 is in upper pond. Chopping ice.	MT	15 CO ~ 50-100 mm
172	59.2467	-135.5263	Minnow trap 2. Upper pond.	MT	3 CO 40-60 mm, 3 threespine stickleback
173	59.2465	-135.5263	Minnow trap 3. Upper pond.	MT	32 CO ~ 40-110 mm, 4 threespine stickleback
174	59.2462	-135.5265	Minnow trap 4. Lower pond. We tried to set another trap in the lower pond but we chopped 10-12 " of ice before we gave up. No water.	MT	15 CO ~ 40-115 mm, 5 threespine stickleback

Table 2: Yindastuki Creek survey data April 18-19, 2013

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	59.2461	-135.5265		MT	38 CO (50-90 mm), 10 three spine stickleback,
2	59.2461	-135.5263		MT	7 CO (60-90 mm), 9 three spine stickleback
3	59.2460	-135.5258	Up to trap 3 is ice free. Another culvert near trap 3 looks like it drains into pond. Small chunk of land separates east pond. Probably connected but not sure. Southern end of pond is iced over.	MT	No fish
4	59.2458	-135.5253	Had to break through ice.	MT	5 CO (60-100mm), 4 three spine stickleback
5	59.2457	-135.5248		MT	1 CO, 19 three spine stickleback

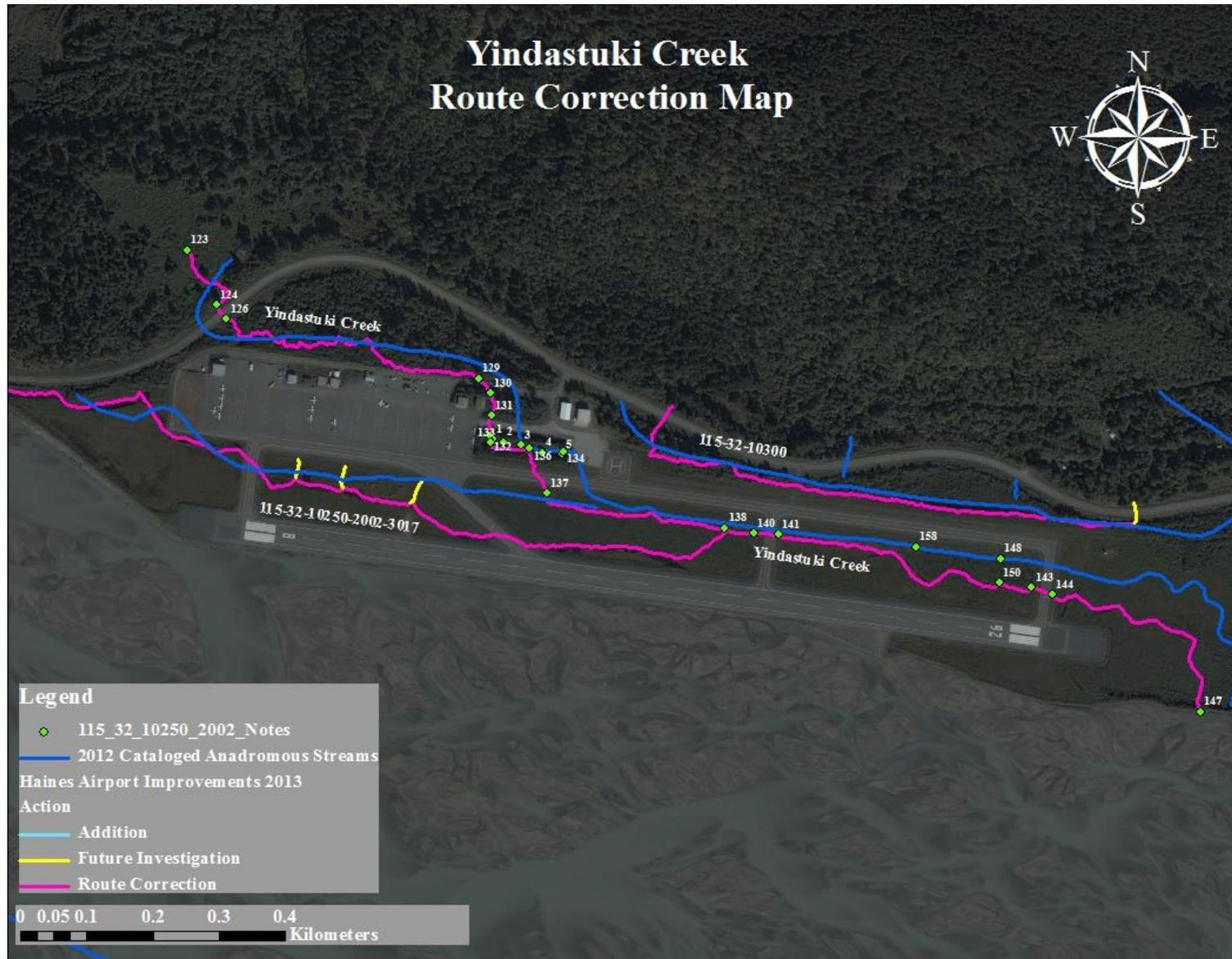


Figure 1: Yindastuki Creek AWC 2012 route correction map.

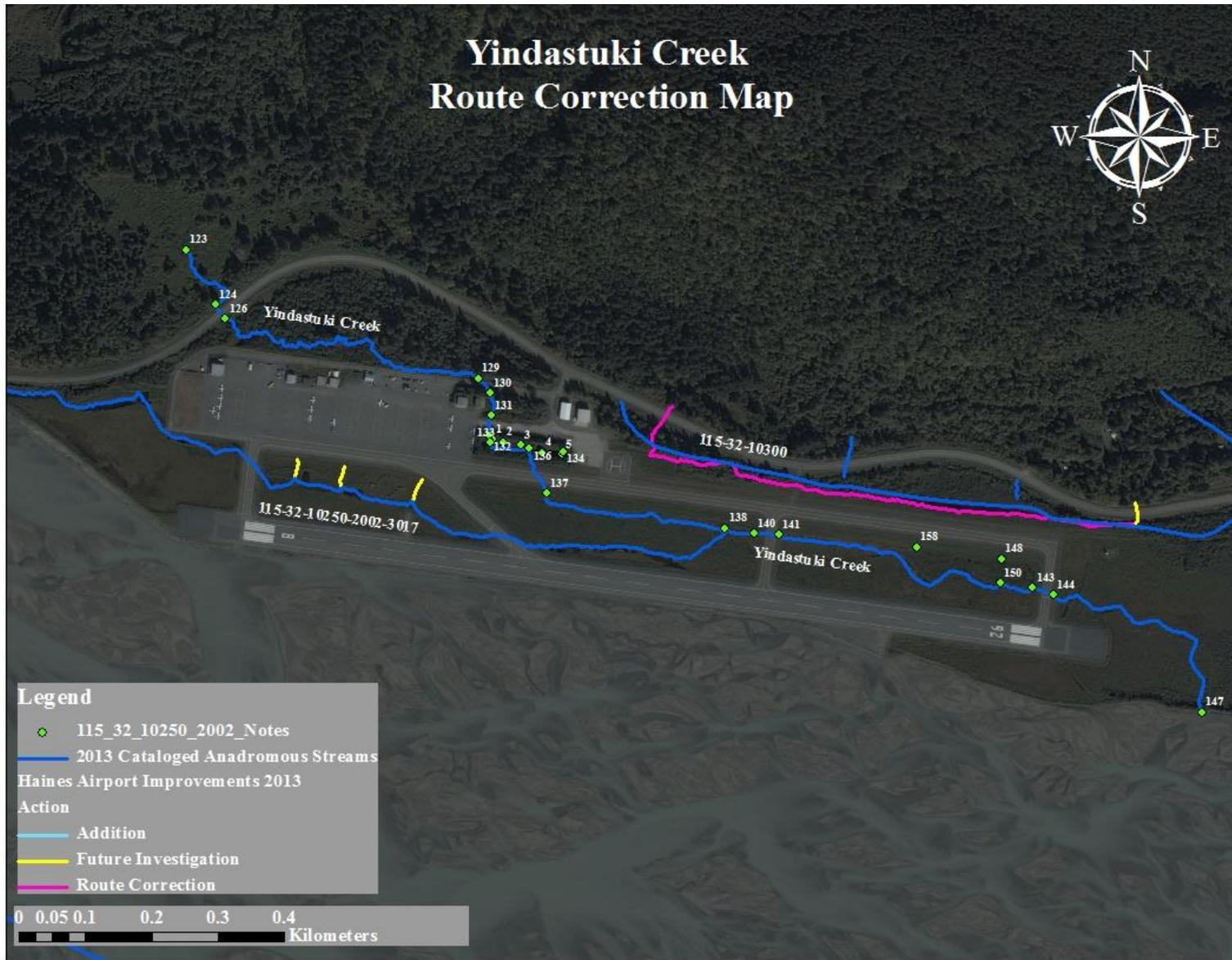


Figure 2: Yindastuki Creek AWC 2013 updated route.



Figure 3: Yindastuki Creek upstream of the airport on March 18, 2013.



Figure 4: Coho salmon caught in a minnow trap in East Pond on March 19, 2013.