










Appendix O: Sitka

Guide to direct fieldwork for cataloging anadromous water bodies in Southeast Alaska



Symbols and Abbreviations

K	Chinook salmon
CH	chum salmon
CO	coho salmon
CT	cutthroat trout (anadromous and resident juveniles and adults)
DV	Dolly Varden char
OU	eulachon
S	sockeye salmon
P	pink salmon
RT	rainbow trout (unknown juvenile or resident adult)
SC	sculpin sp.
SH	steelhead trout (adult)
SB	threespine stickleback
s	spawning
r	rearing
p	presence
EF	electrofishing
VI	visual identification
HN	handnet
RS	route survey
MT	minnow trap
BS	beach seine
FN	fyke net
 (ginger pink)	route correction
 (apatite blue)	addition
 (solar yellow)	future investigation
 (poinsettia red)	resident fish
 (lepidolite lilac)	conveyance
 (electron gold)	deletion
 (lapis lazuli)	AWC
 (lapis lazuli)	overflow channel
 (electron gold)	barrier

This appendix is a working document updated as new information is acquired. Figures and tables are numbered per water body. Pages numbers are eliminated to prevent document reprinting when individual pages are inserted or removed.

SITKA SURVEYS

Sitka, population 9,061, is located on the west coast of Baranof Island fronting the Pacific Ocean, on Sitka Sound (Figure 1). An extinct volcano, Mount Edgecumbe, rises 3,200 feet above the community.¹



Figure 1.—Sitka survey map.

¹ State of Alaska Department of Commerce, Community, and Economic Development, Division of Community and Regional Affairs database. Available from: <http://www.commerce.state.ak.us/cra/DCRAExternal/Community/Details/61300339-a614-43fb-a30f-41604e5e0c1c>. (Accessed June 24, 2015).

Sitka

112-12-10050-2004**ADDITION****Water body name:****Survey date:** 4/17/2012**Water body number:** 112-12-10050-2004**Species & Lifestage:** CO**Watershed:** Kook Creek-Frontal Chatham Strait**MTR:** C050S066E **Quad:** Sitka C-3**Findings:** I surveyed stream 112-12-10050-2004 using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon and Dolly Varden char.**Recommendations:** Add stream and rearing coho salmon to the AWC (Figure 1).**Nomination:** 12-559

Table 1.–112-12-10050-2004 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
7	57.5478	-134.8686	Start track on tributary.		
8	57.5480	-134.8692	Tributary fork DV present.	EF	DV
9	57.5488	-134.8693		EF	2 CO
10	57.5514	-134.8689	Top of numerous beaver dams, further investigation needed along ~300 ft beaver dam area, no upstream habitat.		
11	57.5513	-134.8714	Road wash out area, dry.		
64	57.5520	-134.8682	Dolly Varden here, upstream could be investigated for resident fish only.	EF	DV

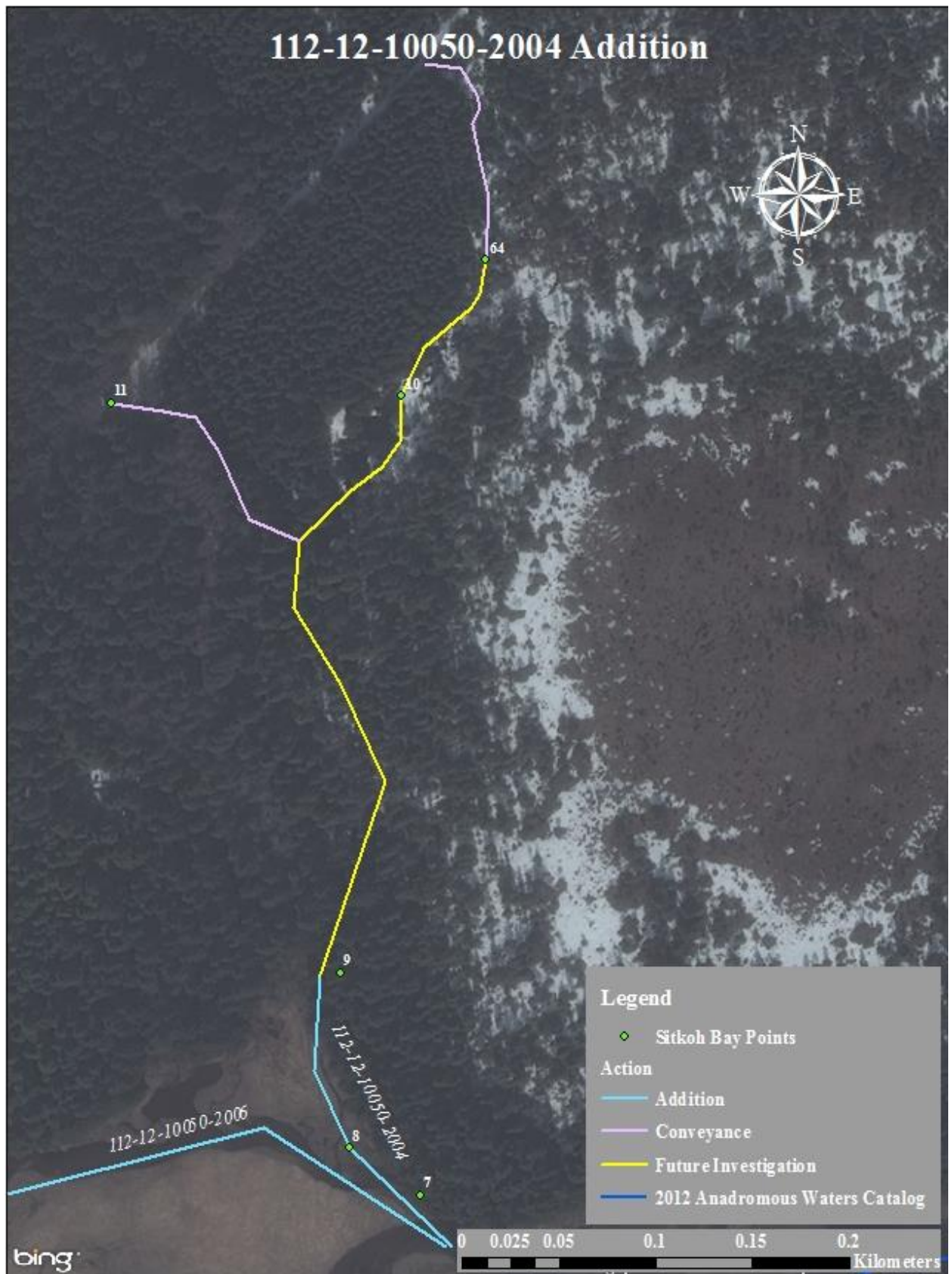


Figure 1.—112-12-10050-2004 addition map.

Sitka

112-12-10050-2006**ADDITION****Water body name:****Survey date:** 4/17/2012**Water body number:** 112-12-10050-2006**Species & Lifestage:** COP**Watershed:** Kook Creek-Frontal Chatham Strait**MTR:** C050S066E **Quad:** Sitka C-3**Findings:** I surveyed this stream using a backpack electrofisher and GPS (Table 1). I captured rearing coho.**Recommendations:** Add stream and rearing coho salmon to the AWC (Figure 1).**Nomination:** 12-558

Table 1.—112-12-10050-2006 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
7	57.5478	-134.8686	At mouth of tributary.		
15	57.5456	-134.8847	LSB, sill to sill 28.4', bank to bank (road base on one side) 37', 40' Big r prescribed, extensive beaver pond system has brought water up.		
77	57.5434	-134.8889	Crossed wide beaver complex to river right side.		
70	57.5435	-134.8898		EF	CO
71	57.5430	-134.8912		EF	2 CO
72	57.5431	-134.8920			
74	57.5435	-134.8942	Back on mainstem 100 ft below here.		
75	57.5434	-134.8947	Tributary leading up to old road with CO likely, not fished since no timber, future investigation.		
76	57.5430	-134.8976	Fork, minimal upstream habitat potential.	EF	2 CO

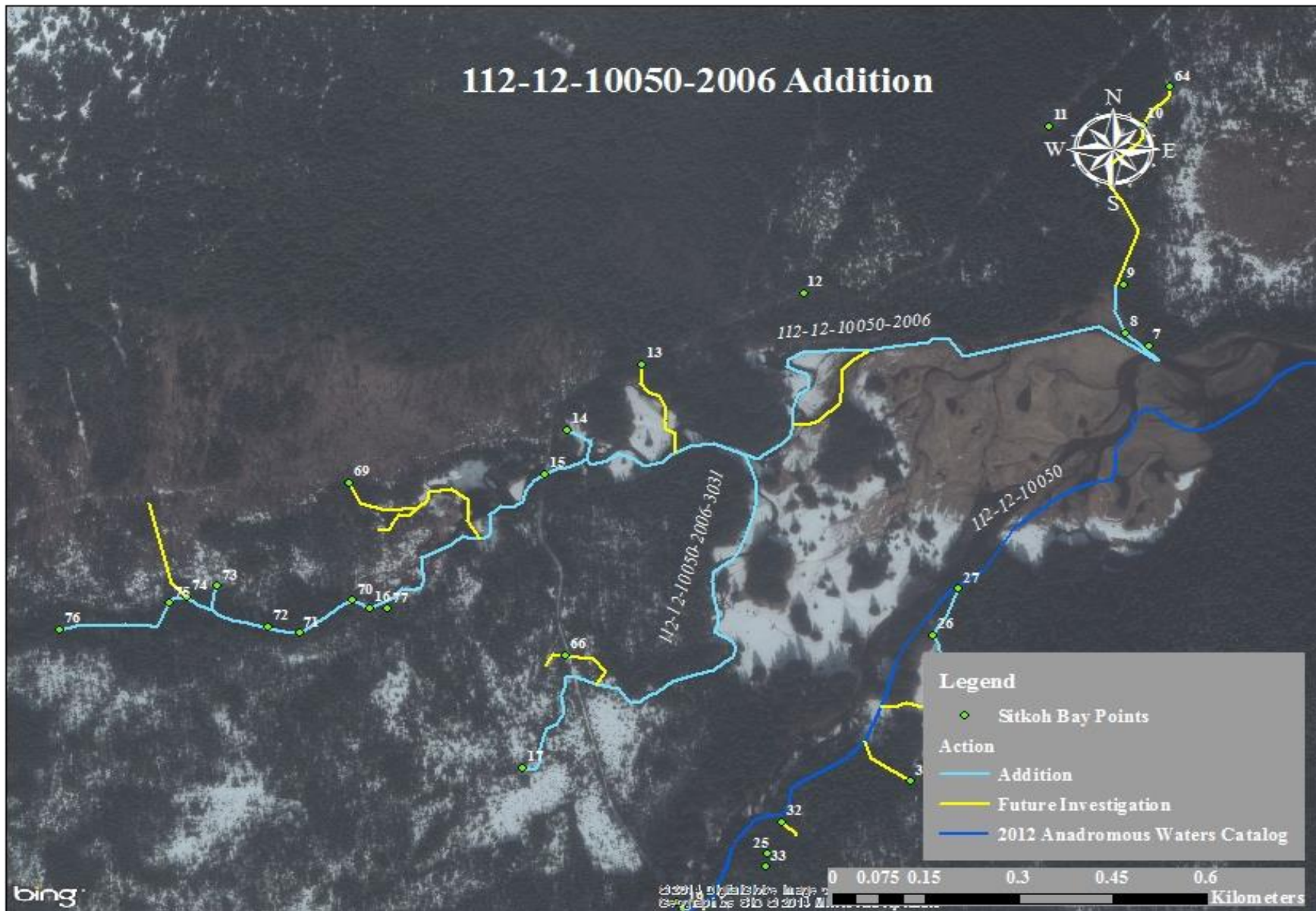


Figure 1.—112-12-10050-2006 addition map.

Sitka

112-12-10050-2006-3031**ADDITION****Water body name:****Survey date:** 4/17/2012**Water body number:** 112-12-10050-2006-3031**Species & Lifestage:** CO**Watershed:** Kook Creek-Frontal Chatham Strait**MTR:** C050S066E **Quad:** Sitka C-3**Findings:** I surveyed this stream using a backpack electrofisher and GPS (Table 1). I captured rearing coho. I stopped where timber harvests were not going to be conducted.**Recommendations:** Add stream and rearing coho salmon to the AWC (Figure 1).**Nomination:** 12-558

Table 1.—112-12-10050-2006-3031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
17	57.5409	-134.8852		EF	2 CO
66	57.5427	-134.8841	No timber here, future investigation for AWC only.		

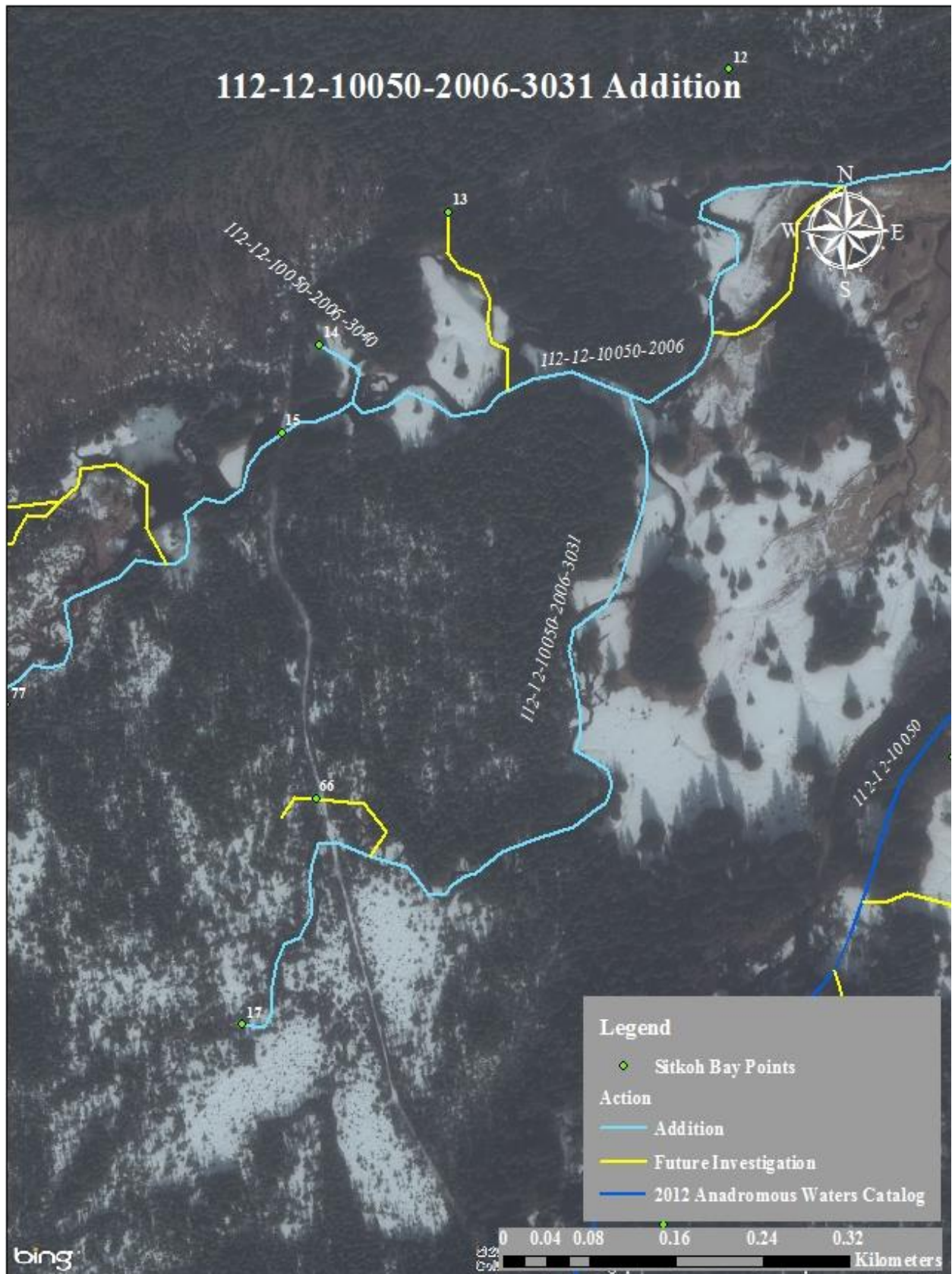


Figure 1.—112-12-10050-2006-3031 addition map.

Sitka

112-12-10050-2006-3040

ADDITION

Water body name:

Survey date: 4/17/2012

Water body number: 112-12-10050-2006-3040

Species & Lifestage: CO

Watershed: Kook Creek-Frontal Chatham Strait

MTR: C050S066E **Quad:** Sitka C-3

Findings: I surveyed this stream using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon and Dolly Varden char.

Recommendations: Add stream and rearing coho salmon to the AWC (Figure 1).

Nomination: 12-560

Table 1.–112-12-10050-2006-3040 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
14	57.5463	-134.8842		EF	2 CO, 3 DV



Figure 1.—112-12-10050-2006-3040 addition map.

Sitka

112-12-10050-2021

ADDITION

Water body name:

Survey date: 4/16/2012

Water body number: 112-12-10050-2021

Species & Lifestage: CO

Watershed: Kook Creek-Frontal Chatham Strait

MTR: C050S066E **Quad:** Sitka C-3

Findings: I surveyed this stream using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon.

Recommendations: Add reach where rearing coho were captured (Figure 1).

Nomination: 12-555

Table 1.–112-12-10050-2021 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
27	57.5439	-134.8736	Tributary entering on river right.		
26	57.5431	-134.8743	Beaver system likely anadromous.		
30	57.5412	-134.8730	Tributary enters the timber.		
29	57.5411	-134.8724		EF	2 CO

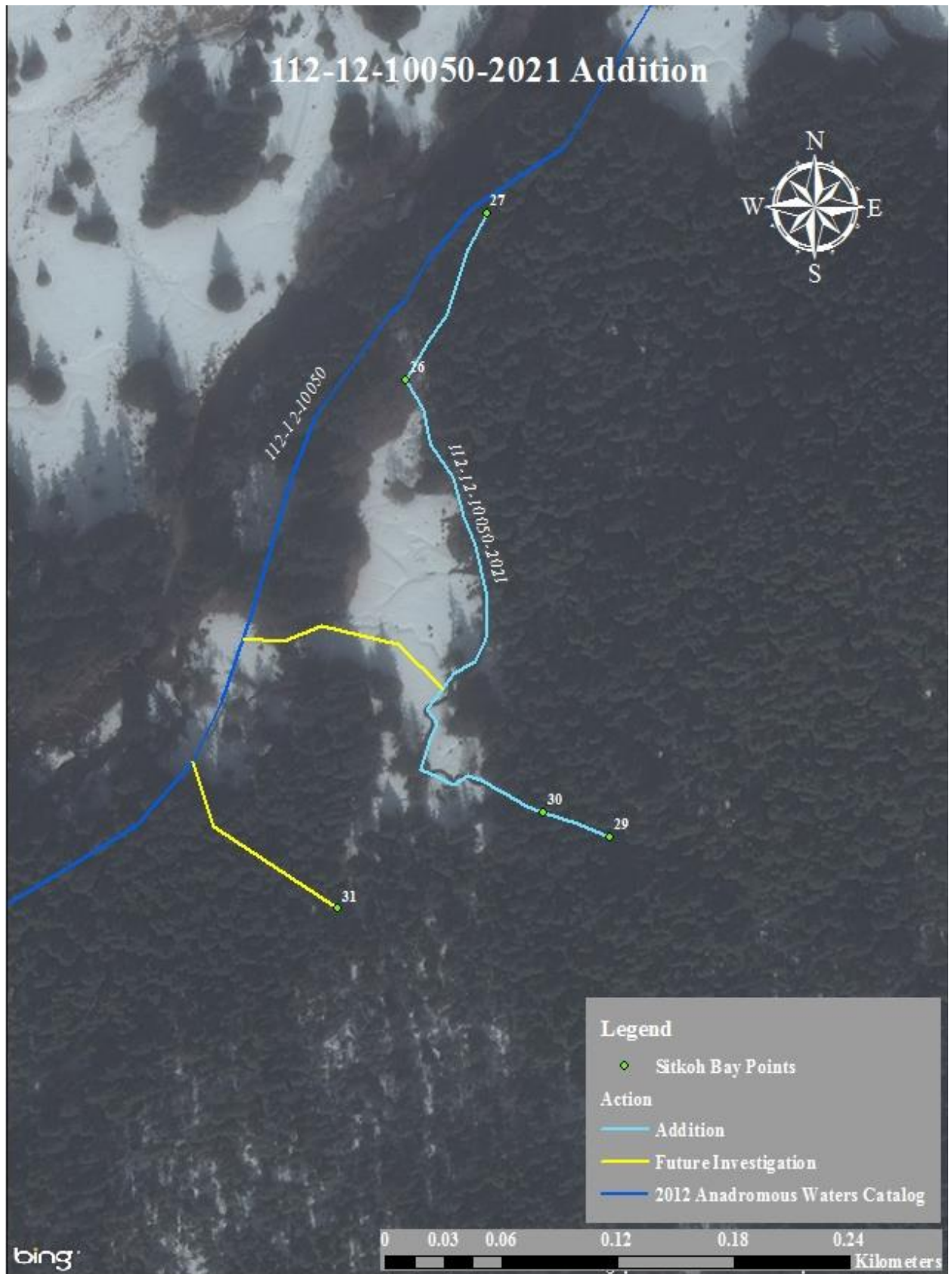


Figure 1.-112-12-10050-2021 addition map.

Sitka

112-12-10050-2031**ADDITION****Water body name:****Survey date:** 4/17/2012**Water body number:** 112-12-10050-2031**Species & Lifestage:** CO**Watershed:** Kook Creek-Frontal Chatham Strait**MTR:** C050S066E **Quad:** Sitka C-3**Findings:** I surveyed this stream using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon.**Recommendations:** Add stream and rearing coho salmon to AWC (Figure 1).**Nomination:** 12-556

Table 1.–112-12-10050-2031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
19	57.5386	-134.8808	Tributary enter on river right.		
20	57.5375	-134.8797	Tributary fork, no fish up river left tributary.		
21	57.5363	-134.8795	On river right tributary fork.	EF	2 CO
22	57.5360	-134.8798	Top of anadromous habitat.		
23	57.5369	-134.8795	Tributary fork, likely anadromous for <200 ft.		
25	57.5395	-134.8786	Small tributary, visual on fish.		
32	57.5401	-134.8782	Top of anadromous habitat, short tributary to mainstem, not fished.		
33	57.5393	-134.8786	Top of anadromous habitat type, not fished.		
34	57.5367	-134.8792		EF	2 CO
35	57.5360	-134.8793	Tributary fork.		
36	57.5359	-134.8793		EF	2 CO
37	57.5357	-134.8796	Top of anadromous habitat type, no fish caught.		

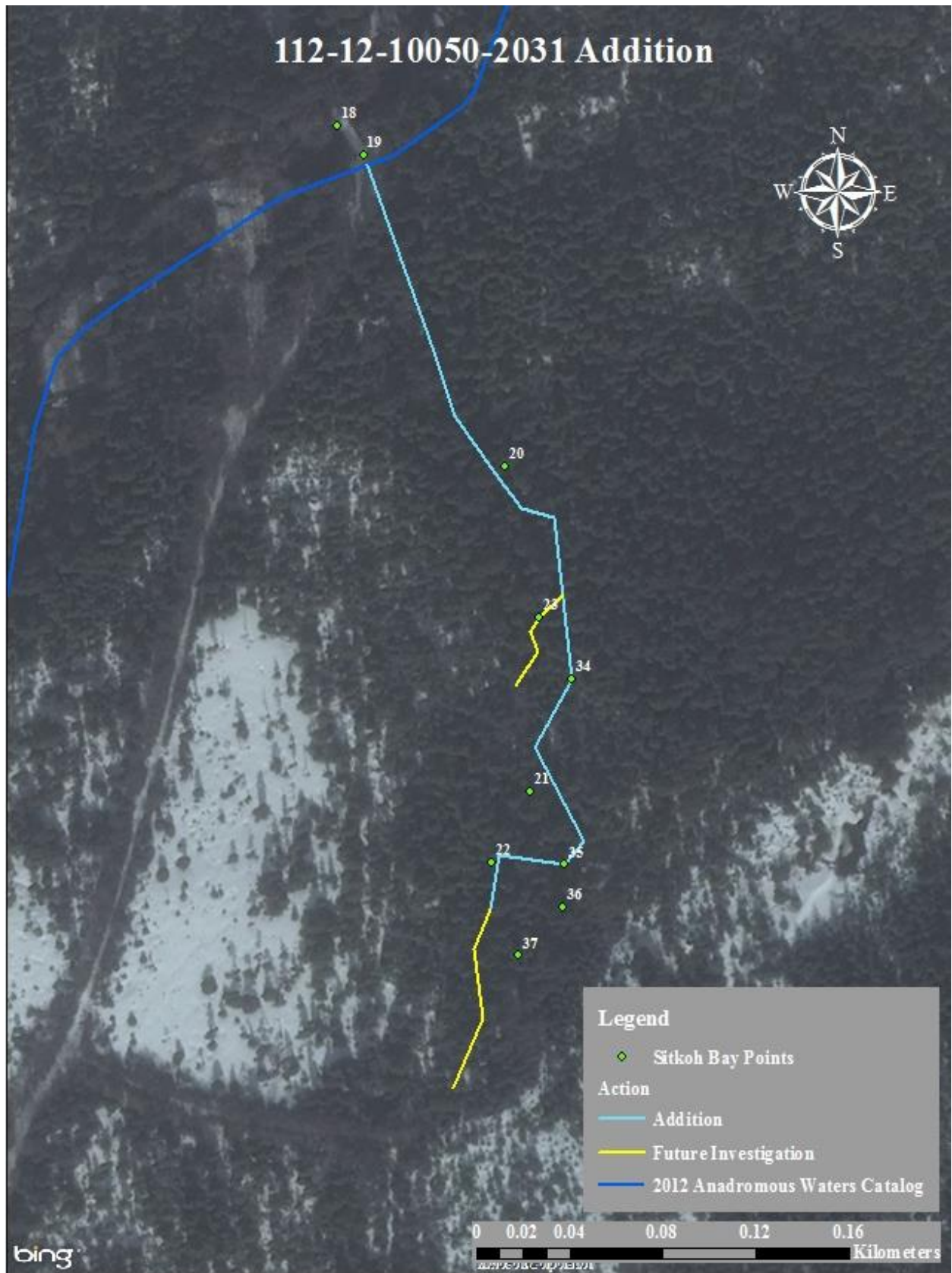


Figure 1.—112-12-10050-2031 addition map.

Sitka

112-12-10050-2041**ADDITION****Water body name:****Survey date:** 4/17/2012**Water body number:** 112-12-10050-2041**Species & Lifestage:** CO**Watershed:** Kook Creek-Frontal Chatham Strait**MTR:** C050S066E **Quad:** Sitka C-3**Findings:** I surveyed this stream using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon, Dolly Varden char, and cutthroat trout.**Recommendations:** Add stream and rearing coho salmon to the AWC (Figure 1).**Nomination:** 12-557

Table 1.—112-12-10050-2041 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
38	57.5342	-134.8839	20' LSB with sill log in stream.		
39	57.5339	-134.8834	Tributary fork, further upstream investigation needed	EF	2 CO
78	57.5340	-134.8832		EF	CO
79	57.5340	-134.8829		EF	2 CO
80	57.5339	-134.8802	Only DV up to here, >8% gradient downstream to fork.	EF	DV
81	57.5334	-134.8799	7% gradient.	EF	DV
82	57.5331	-134.8798	8% gradient.	EF	CT



Figure 1.—112-12-10050-2041 addition map.

Sitka

112-12-10080**CORRECTION****Water body name:****Survey date:** 7/23/2012**Water body number:** 112-12-10080**Species & Lifestage:** COP**Watershed:** Kook Creek-Frontal Chatham Strait**MTR:** C050S066E **Quad:** Sitka C-3**Findings:** I surveyed this stream using a backpack electrofisher and GPS (Table 1). The stream accessible to anadromous fish is actually shorter than what is shown in the Anadromous Waters Catalog. There are a series of waterfalls that are 15-18' tall that are a barrier to fish passage.**Recommendations:** Shorten the existing route in the AWC (Figure 1).**Nomination:** 12-563

Table 1.–112-12-10080 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
57	57.5706	-134.8582	18 ft falls, DV upstream only.	EF	DV
58	57.5711	-134.8571	Second falls downstream visible from here		
59	57.5707	-134.8567	100 ft downstream from >15 ft falls		

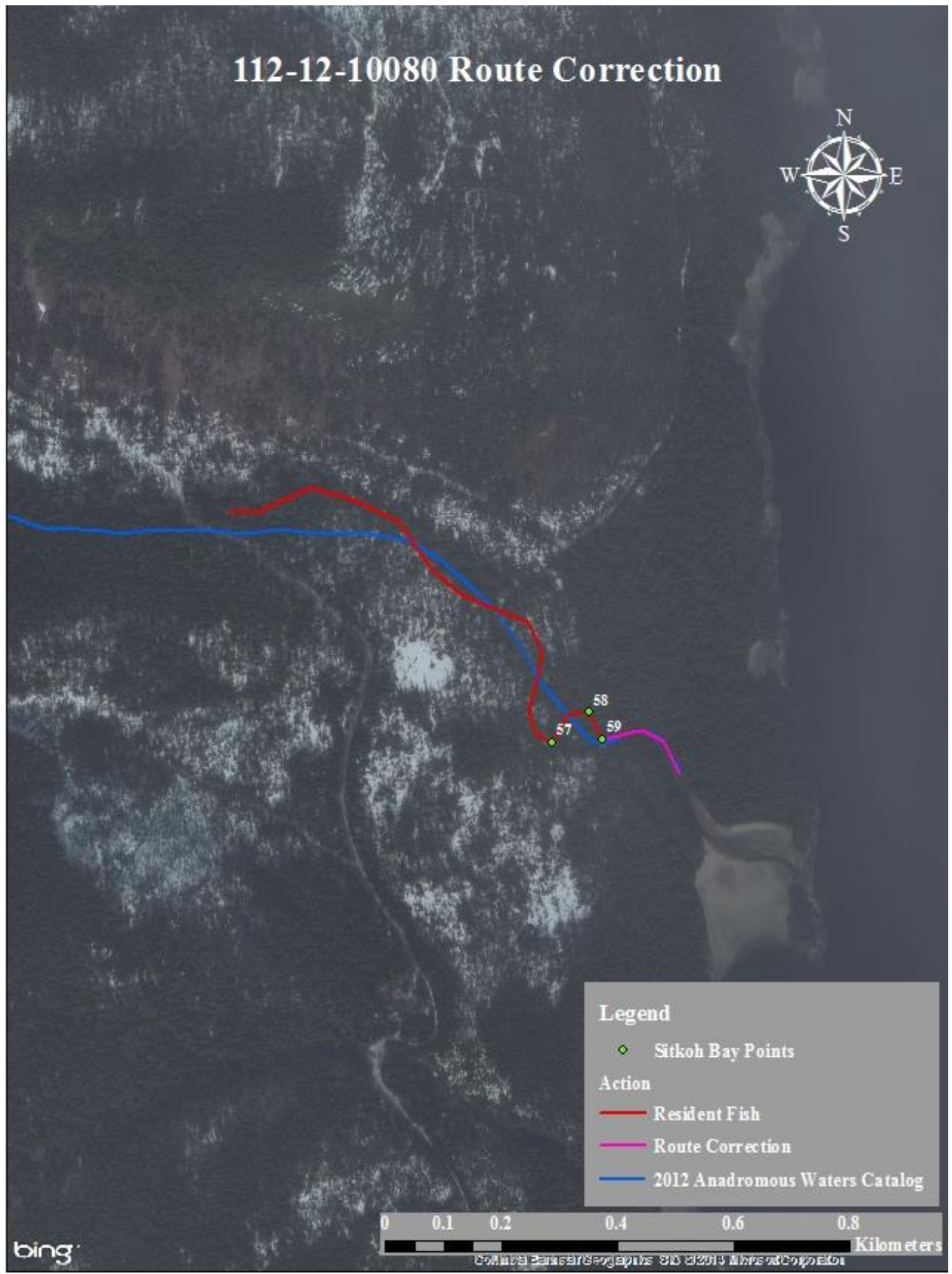


Figure 1.-112-12-10080 route correction map.

Sitka

113-41-10148**CORRECTION****Water body name:****Survey date:** 5/30/2012**Water body number:** 113-41-10148**Species & Lifestage:** COpr, Pp**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-5

Findings: We surveyed this stream using a backpack electrofisher and GPS (Table 1). This stream's mouth was found to differ from that illustrated in the AWC. The stream flows through a campground, gaining elevation and becoming a small rocky trickle. Adult fish passage is not possible past waypoint 197, and no juvenile fish were captured beyond.

Recommendations: This stream's mouth location, route, and upper limit should be updated in the AWC to reflect findings in the field (Figure 1).

Nomination: 12-564

Table 1.—113-41-10148 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
187	57.1352	-135.3693	Mouth of stream going into the ocean.		
188	57.1353	-135.3688	1 CO about 85mm.	EF	1 CO
189	57.1354	-135.3683	Tributary entering river left.		
190	57.1354	-135.3683		EF	1 Pink
191	57.1353	-135.3680	Electrofished and Pink salmon were coming out of the gravel.	EF	Pinks
192	57.1353	-135.3679	Stream is coming out of a culvert that crosses gravel road that goes around campground.		
193	57.1353	-135.3672	Top of tributary. Coming out of culverts that are perched about 2 1/2 ft. But right on other side there is a barrier waterfall.		
194	57.1354	-135.3680	Electrofished and got one Pink about 35mm.	EF	1 Pink
195	57.1354	-135.3679	2 CO between 60-65mm and a rainbow about 70mm.	EF	2 CO, 1 RT
196	57.1355	-135.3679	Stream coming out of a culvert, really nice culvert that is flat and has gravel bottom.		
197	57.1360	-135.3674	Calling the top of stream, the stream went under a massive root wad complex and does not seem passable for adults. We went a bit further to this WPT and did not encounter anymore fish.		

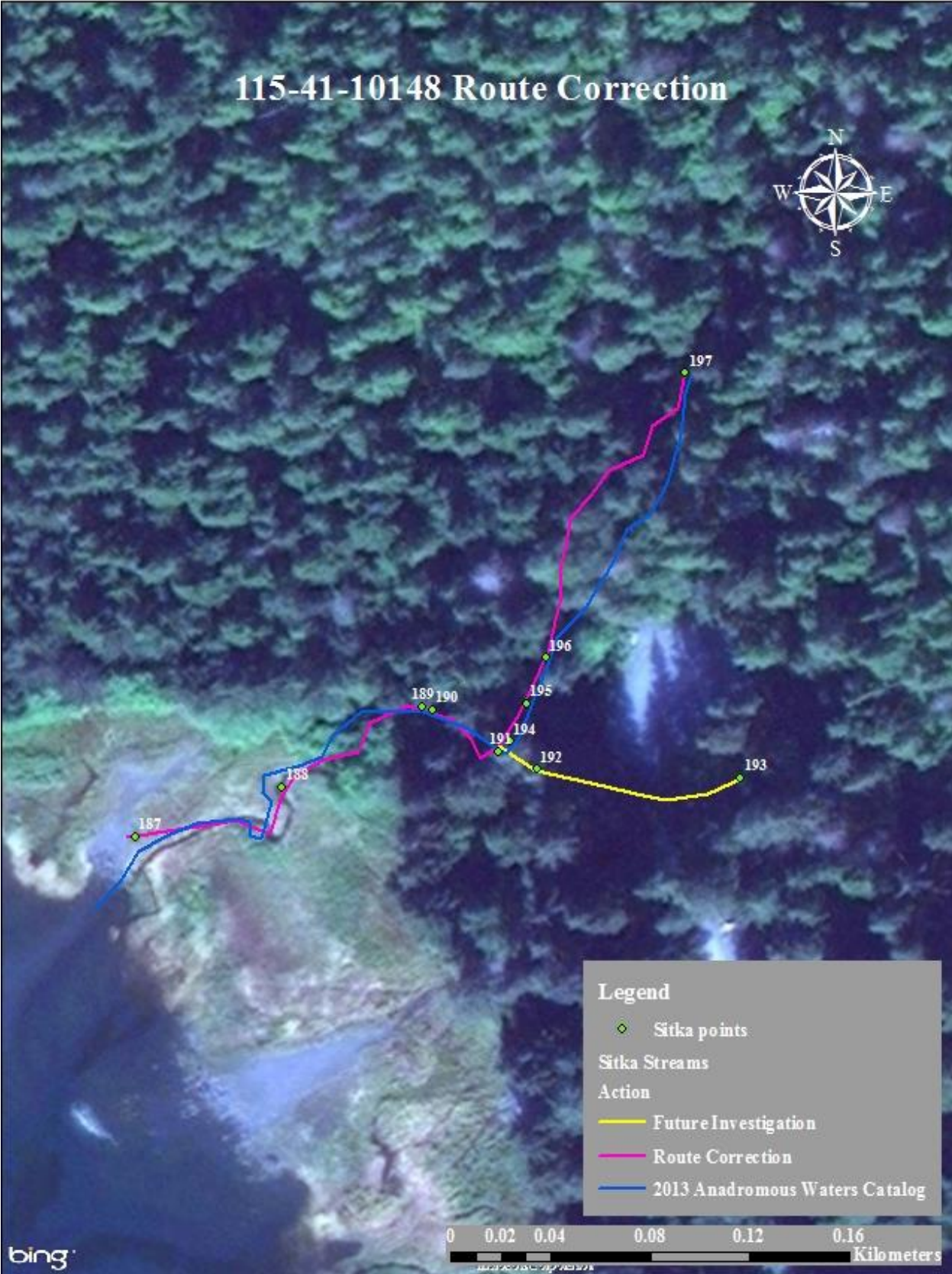


Figure 1.-115-41-10148 route correction map.

Sitka

113-41-10150

CORRECTION

Water body name: Starrigavan Creek

Survey date: 6/11/2012

Water body number: 113-41-10150

Species & Lifestage: CHp, COp, Pp, DVp, SHs

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-4

Findings: We walked this stream over the course of several days and found it to be more sinuous and meandering than the catalog illustrates (Table 1). The stream has very nice spawning habitat and pools for fish to rest in (Figure 1). The upper limit needs to be shortened to the waypoint provided as there is a waterfall barrier that prevents fish passage at all flows.

Recommendations: Update the streams route in the AWC (Figure 2).

Nomination: 12-545

Table 1.–113-41-10150 survey data for upper extent of Starrigavan Creek.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
38	57.1099	-135.3190	Beginning tracking on river right fork. Alternating tributaries with other crew.		
39	57.1092	-135.3157	Tributary entering on river right. Large falls just upstream probable barrier.		
40	57.1093	-135.3153	Small tribuary. Gradient increases, incised, no resting pools, cascading waterfall.		
41	57.1092	-135.3154	2 DV between 90-110mm.	EF	2 DV
42	57.1090	-135.3151	Potential barrier falls. Looks to be less then 12ft with a deep jump pool. No side channels around falls.		



Figure 1.–Gordon Willson-Naranjo and Tess Quinn surveying Starrigavan Creek.

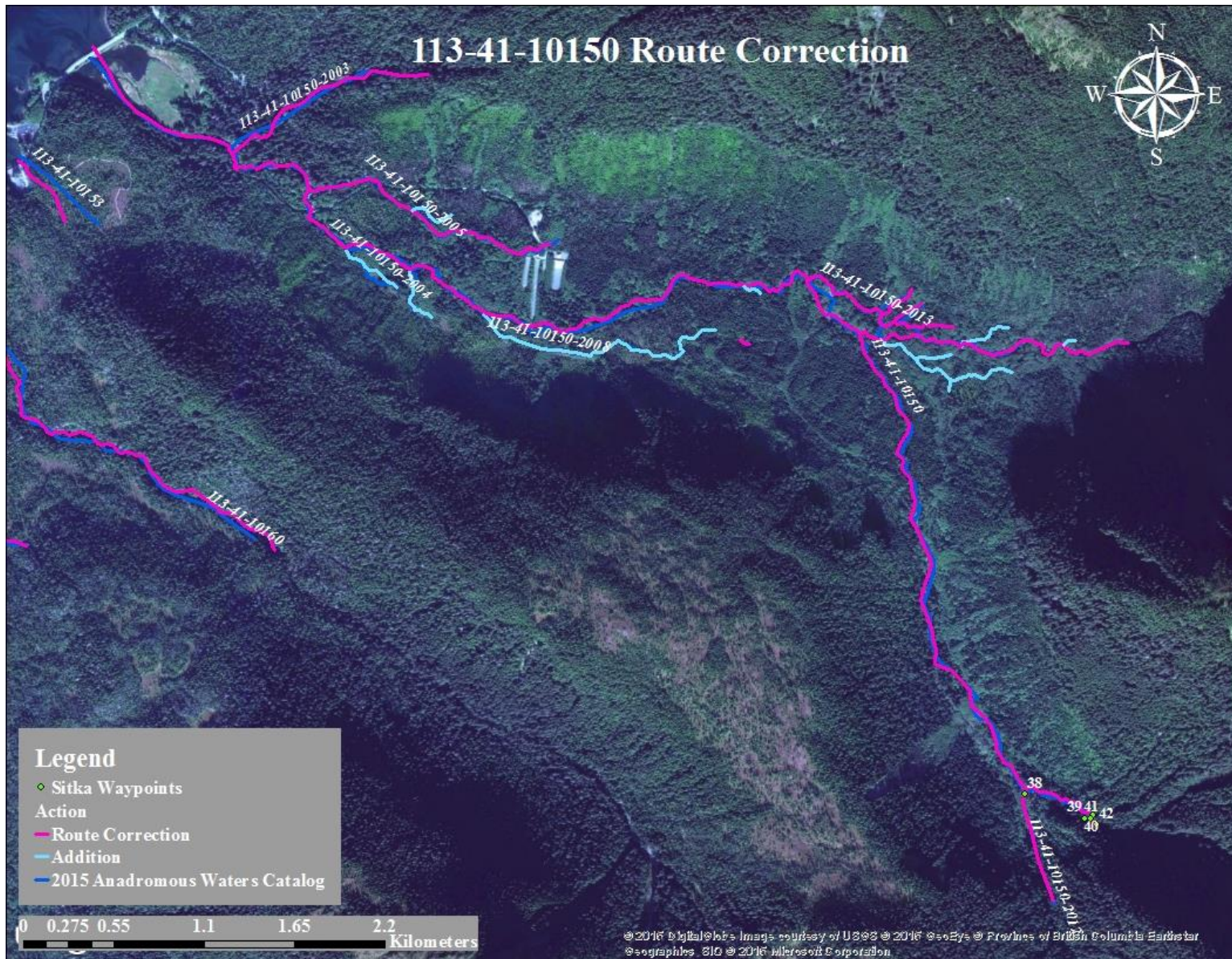


Figure 2.—113-41-10150 route correction map.

Sitka

113-41-10150-2013-3002**ADDITION****Water body name:****Survey date:** 5/31/2012**Water body number:** 113-41-10150-2013-3002**Species & Lifestage:** CO**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-4**Findings:** We surveyed this stream using a backpack electrofisher and GPS (Tables 1). We captured rearing coho salmon and Dolly Varden char.**Recommendations:** Add stream to the AWC (Figure 1).**Nomination:** 12-553

Table 1.–113-41-10150-2013-3002 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
224	57.1234	-135.3267	Tributary entering on river left.		
225	57.1232	-135.3266	Electrofished and got many fish instantly, 3 DV between 30-80mm and 4 CO about 40mm.	EF	4 CO, 3 DV
226	57.1232	-135.3263	Electrofished: 3 CO about 35mm and 1 DV between 10-15mm.	EF	3 CO, 1 DV
227	57.1232	-135.3258	Electrofished and DV and CO boiled up. 3 CO about 35mm and 5 DV between 40-95mm.	EF	3 CO, 5 DV
228	57.1229	-135.3241	Tributary entering tributary on river right.		
233	57.1225	-135.3238	Bridge over the tributary. The bridge is for the ATV trail.		
234	57.1225	-135.3236	Electrofished 3 DV between 40-100mm and 3 CO about 25mm.	EF	3 CO, 3 DV
235	57.1223	-135.3232	Tributary entering tributary on river left.		
236	57.1222	-135.3231	Electrofished and got 3 CO about 40mm.	EF	3 CO
237	57.1219	-135.3231	Tributary entering tributary of a tributary on river left. Electrofished 1 CO about 35mm.	EF	1 CO
238	57.1218	-135.3234	Electrofished 2 DV about 35mm.	EF	2 DV
239	57.1212	-135.3232	Calling the top of the tributary. Electrofished and got 3 DV. Tributary enters muskeg and becomes spread out without a defined channel.	EF	3 DV

Table 1.-Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
240	57.1219	-135.3224	Calling top of tributary of a tributary. Goes into thick overgrown area and enters muskeg like area.		

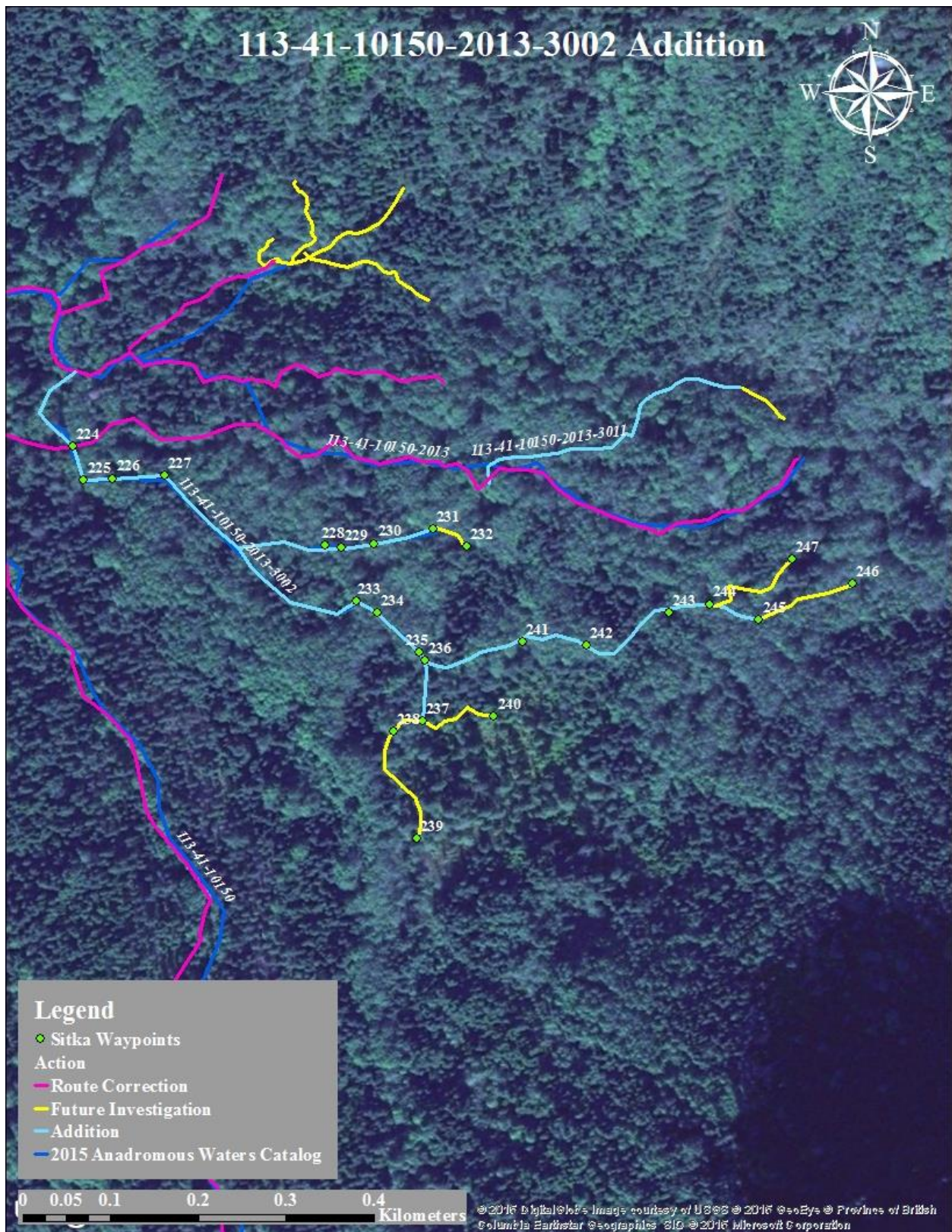


Figure 1.—113-41-10150-2013-3002 addition map.

Sitka

Sitka

113-41-10150 TRIBUTARY 10**ADDITION****Water body name:****Survey date:** 5/31/2012**Water body number:** 113-41-10150 Tributary 10**Species & Lifestage:****Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-4**Findings:** We surveyed this uncataloged tributary to a tributary using a backpack electrofisher and GPS (Table 1). We captured coho salmon and Dolly Varden char.**Recommendations:** Add stream to the AWC (Figure 1).**Nomination:** 16-506

Table 1.–113-41-10150 tributary 10 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
235	57.1223	-135.3232	Tributary entering tributary on river left.		
241	57.1223	-135.3221	Electrofished and got 1 DV about 35mm and 1 CO about 25mm.	EF	1 CO, 1 DV
242	57.1223	-135.3215	Electrofished and got 2 DV about 30-35mm and 1 CO about 30mm.	EF	1 CO, 2 DV
243	57.1225	-135.3206	Electrofished got 1 DV about 35mm and 1 CO about 25mm.	EF	1 CO, 1 DV
244	57.1225	-135.3202	Tributary entering tributary on river left.		
245	57.1224	-135.3197	Electrofished and got 1 DV about 25mm and 4 CO about 20mm.	EF	4 CO, 1 DV
246	57.1226	-135.3187	Top of tributary just coming out of ground. Electrofished got 2 DV about 25mm.	EF	2 DV
247	57.1228	-135.3194	Top of tributary just coming out of rootwad. Electrofished got 1 DV about 30mm.	EF	1 DV

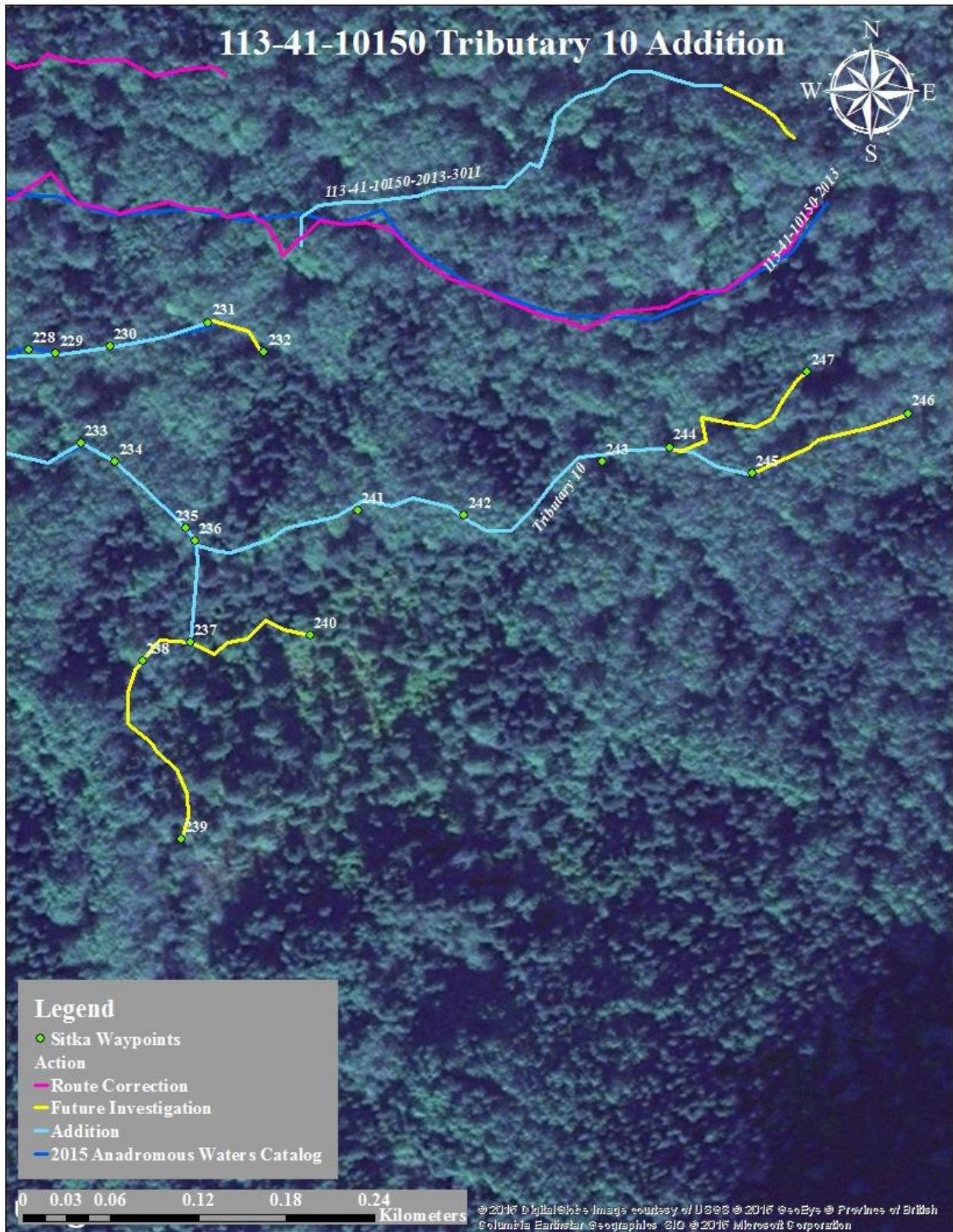


Figure 1.–113-41-10150 tributary 10 addition map.

Sitka

113-41-10150**ADDITION****Water body name:****Survey date:** 5/31/2012**Water body number:** 113-41-10150 Tributary 11**Species & Lifestage:** COr, DVp**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-4**Findings:** We surveyed this uncataloged tributary to 113-41-10150 and captured rearing coho salmon and Dolly Varden char using a backpack electrofisher and GPS (Table 1).**Recommendations:** Add stream to the AWC (Figure 1).**Nomination:** 16-507

Table 1.–113-41-10150 tributary 11 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
17	57.1234	-135.3167	Possible tributary river right TQ/RH checking it out. The creek is very braided in this section.		
18	57.1234	-135.3165	RH/TQ got 3DV and 2 CO.	EF	2 CO, 3 DV
19	57.1234	-135.3162	End of this tributary runs subsurface.		

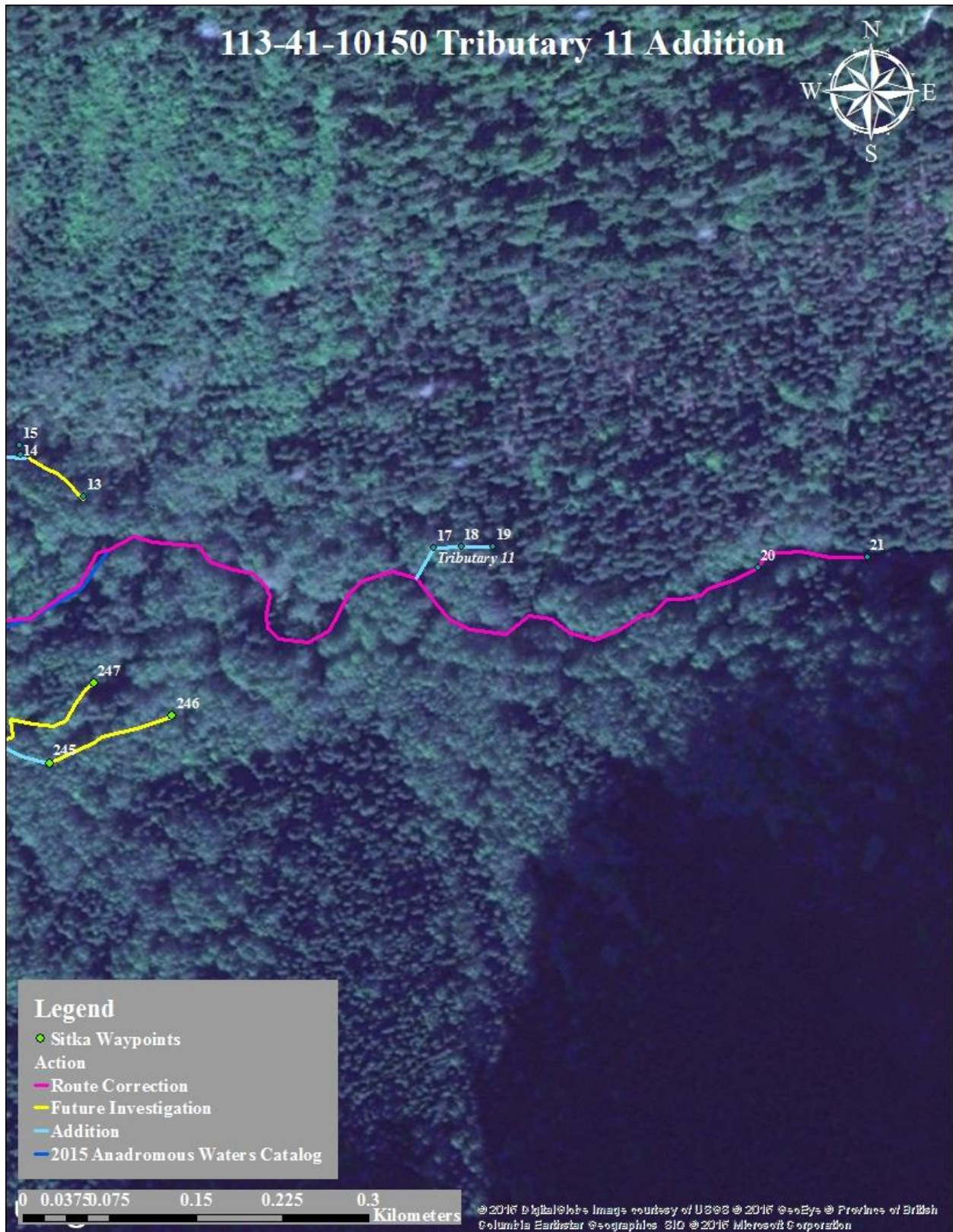


Figure 1.—113-41-10150 tributary 11 addition map.

Sitka

113-41-10150-2004**ADDITION****Water body name:****Survey date:** 5/21/2012**Water body number:** 113-41-10150-2004**Species & Lifestage:** CO**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-5

Findings: This stream is a tributary to Starrigavan Creek. We surveyed this stream using a backpack electrofisher and GPS (Table 1). During sampling and tracking of the stream, coho salmon were captured at points along the entire length. Upper and lower limits of fish presence are from waypoint 98 to waypoint 105.

Recommendations: Add stream to the AWC (Figure 1).

Nomination: 12-508

Table 1.–113-41-10150-2004 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
98	57.1260	-135.3560	Starrigavan tributary.	HN	1 CO
99	57.1258	-135.3559	Captured 1 CO about 95mm.	EF	1 CO
100	57.1258	-135.3558	Captured 2 CO between 55-100mm.	EF	2 CO
101	57.1258	-135.3554	Captured 1 CO about 55mm.	EF	1 CO
102	57.1255	-135.3549	Captured 1 CO about 65mm in a rootwad.	EF	1 CO
103	57.1250	-135.3533	Haven't captured anymore CO. Upper reach seems ephemeral.		
104	57.1249	-135.3533	Captured 1 CO about 65mm and visual on another CO about 70mm.	EF, VI	2 CO
105	57.1249	-135.3533	1 CO about 70mm.	EF	1 CO
106	57.1247	-135.3532	End of survey.		



Figure 1.-113-41-10150-2004 addition map.

Sitka

113-41-10150-2005-3021

ADDITION

Water body name:

Survey date: 5/30/2012

Water body number: 113-41-10150-2005-3021

Species & Lifestage: COr

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary to a Starrigavan Creek using a backpack electrofisher and GPS (Table 1). During sampling and tracking of the stream, coho salmon were captured at points along the entire length. The water was very tannic and slow moving (Figure 1). Upper and lower limits of fish presence are from waypoint 204 to waypoint 208.

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-509

Table 1.–113-41-10150-2005-3021 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
204	57.1272	-135.3525	Tributary entering on river right.		
205	57.1273	-135.3522	1 CO about 70mm.	HN	1 CO
206	57.1273	-135.3518	3 CO about 45mm.	EF	3 CO
207	57.1270	-135.3512	1 CO about 60mm.	EF	1 CO
208	57.1271	-135.3503	1 CO about 55mm.	EF	1 CO
209	57.1271	-135.3489	Top of tributary. The slash is really bad that it is hard to find stream channel. Just coming out of the ground.		



Figure 1.– Gordon Willson-Naranjo and Ben Brewster sampling Starrigavan tributary 2.



Figure 2.—113-41-10150-2005-3021 addition map.

Sitka

113-41-10150-2006

ADDITION

Water body name:

Survey date: 5/22/2012

Water body number: 113-41-10150-2006

Species & Lifestage: CO

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this stream using a backpack electrofisher and GPS (Table 1). During sampling and tracking of the stream, coho salmon were captured and observed at points along the entire length (Figure 1). Upper and lower limits of fish presence are from waypoint 44 to waypoint 52.

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-510

Table 1.–113-41-10150-2006 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
44	57.1254	-135.3526	Visual on CO, CH and P fry.	VI	CO, CH, P
45	57.1250	-135.3524	Visual on CO fry.	VI	CO
49	57.1246	-135.3527	Main tributary off of Starrigavan.		
50	57.1243	-135.3524	Shocking pool under rootwad.	VI	1 CO
51	57.1243	-135.3521	1 smolty CO about 70mm.	EF	1 CO
52	57.1241	-135.3515	1 CO about 75mm.	EF	1 CO
53	57.1241	-135.3514	Confluence of small tributary.		
54	57.1238	-135.3516	Top of tributary, splits into two equal size streams.		
55	57.1241	-135.3514	Back at tributary that splits at WPT 54. Was top of the main stem tributary.		



Figure 1.–Matt Kern and Gordon Willson-Naranjo sampling 113-41-10150-2006.



Figure 2.—113-41-10150-2006 addition map.

Sitka

113-41-10150-2013

CORRECTION

Water body name:

Survey date: 6/1/2012

Water body number: 113-41-10150-2013

Species & Lifestage: COp, CTp, DVp

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-4

Findings: We surveyed this cataloged tributary to 113-41-10150 using a backpack electrofisher and GPS (Table 1). We captured pink salmon fry. We followed the tributary until we came to a waterfall barrier.

Recommendations: Correct the current route in the AWC (Figure 1).

Nomination: 16-508

Table 1.–113-41-10150-2013 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
223	57.1236	-135.3280	Starrigavan Creek splits into two even branches here. We are going to head up the river right branch.		
224	57.1234	-135.3267	Tributary entering on river left.		
3	57.1232	-135.3225	Road crosses large tributary to Starrigavan Creek.		
16	57.1230	-135.3210	Electrofished pink fry out of a pool in an overflow channel on mainstem.	EF	P
20	57.1233	-135.3142	Possible velocity barrier, can't tell if this is a pool inbetween cascades. Will fish above.		
21	57.1233	-135.3133	Waterfall barrier. Have not caught any Coho above previous barrier. Nothing above end of survey.	EF	No Fish

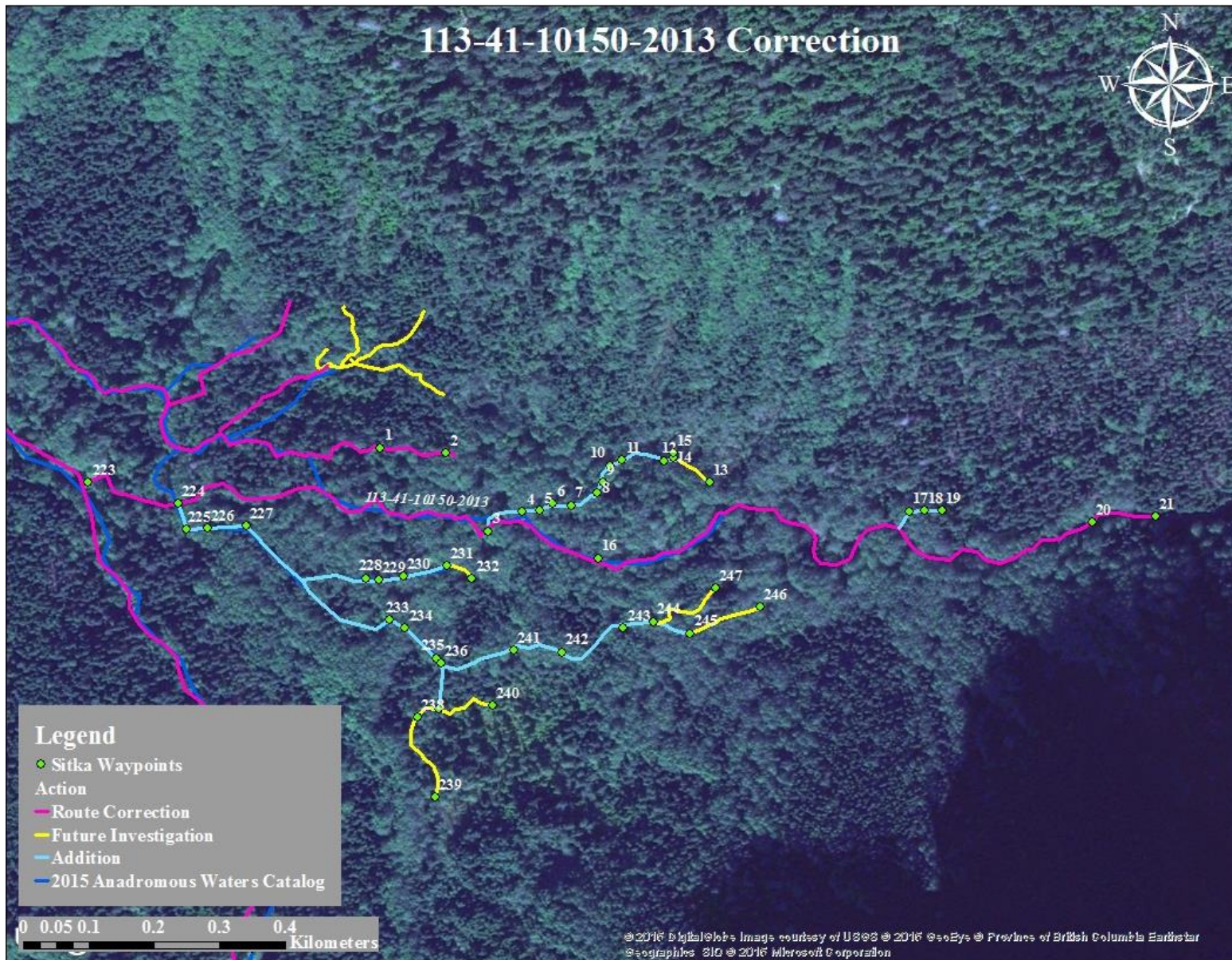


Figure 1.—113-41-10150-2013 correction map.

Sitka

113-41-10150-2010**ADDITION****Water body name:****Survey date:** 5/31/2012**Water body number:** 113-41-10150-2010**Species & Lifestage:** CO**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-4

Findings: We surveyed this tributary to Starrigavan Creek using a backpack electrofisher and GPS (Table 1). During sampling and tracking of the stream, coho salmon were captured until waypoint 218, after which only Dolly Varden char were captured.

Recommendations: Add stream to the AWC (Figure 1).

Nomination: 12-548

Table 1.–113-41-10150-2010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
214	57.1250	-135.3344	Tributary entering on river left.		
215	57.1249	-135.3340	2 CO between 25-30mm and 3 Dolly Varden about 20mm.	EF	2 CO, 3 DV
216	57.1249	-135.3338	Electrofished at same settings. Got two Coho about 30mm and one Dolly Varden about 20mm.	EF	2 CO, 1 DV
217	57.1248	-135.3335	2 CO about 35mm.	EF	2 CO
218	57.1243	-135.3331	1 CO about 30mm.	EF	1 CO
219	57.1241	-135.3323	5 DV between 30-50mm.	EF	5 DV
220	57.1239	-135.3318	2 DV about 30mm.	EF	2 DV
221	57.1240	-135.3316	Top of the tributary. Coming out of the side of hill. On top of hill is ATV trail end of track.		



Figure 1.—113-41-10150-2010 addition map.

Sitka

113-41-10150-2013-3002-4011**ADDITION****Water body name:****Survey date:** 5/31/2012**Water body number:** 113-41-10150-2013-3002-4011**Species & Lifestage:** CO**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-4

Findings: We surveyed this tributary of a tributary to Starrigavan Creek using a backpack electrofisher and GPS (Table 1). During sampling and tracking of the stream, coho salmon were captured until waypoint 231, after which only Dolly Varden were captured (Figure 1).

Recommendations: Add this stream to the AWC (Figure 2).

Nomination: 12-549, 15-562

Table 1.–113-41-10150-2013-3002-4011 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
235	57.1223	-135.3232	Tributary entering tributary on river left.		
241	57.1223	-135.3221	Electrofished and got 1 DV about 35mm and 1 CO about 25mm.	EF	1 CO, 1 DV
242	57.1223	-135.3215	Electrofished and got 2 DV about 30-35mm and 1 CO about 30mm.	EF	1 CO, 2 DV
243	57.1225	-135.3206	Electrofished got 1 DV about 35mm and 1 CO about 25mm.	EF	1 CO, 1 DV
244	57.1225	-135.3202	Tributary entering tributary on river left.		
245	57.1224	-135.3197	Electrofished and got 1 DV about 25mm and 4 CO about 20mm.	EF	4 CO, 1 DV
246	57.1226	-135.3187	Top of tributary just coming out of ground. Electrofished got 2 DV about 25mm.	EF	2 DV
247	57.1228	-135.3194	Top of tributary just coming out of rootwad. Electrofished got 1 DV about 30mm.	EF	1 DV



Figure 1.—Tess Quinn, Gordon Willson-Naranjo, and Matt Kern surveying Starrigavan tributary.

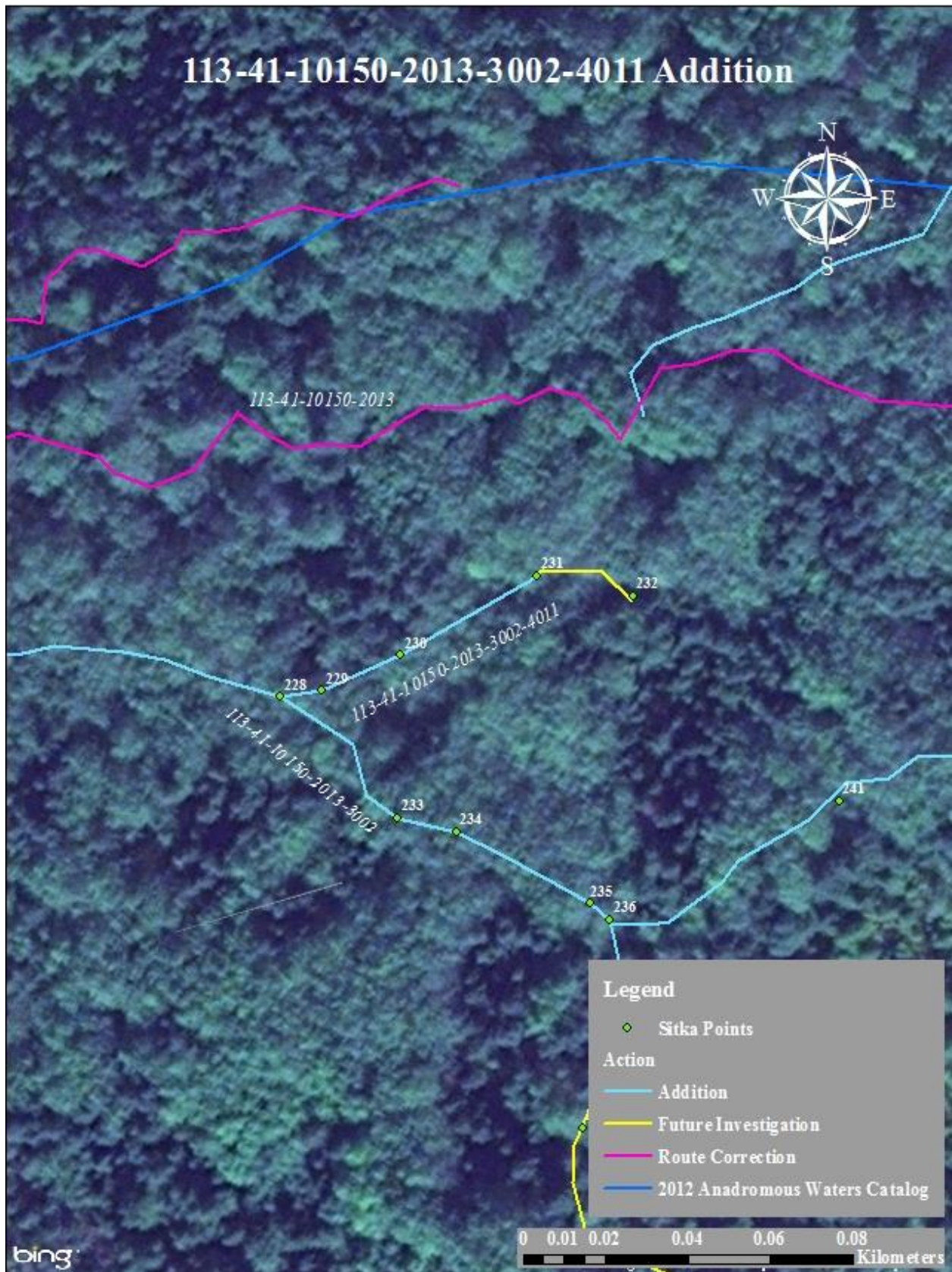


Figure 2.—113-41-10150-2013-3002-4011 addition map.
Sitka

Sitka

113-41-10150-2013-3011**ADDITION****Water body name:****Survey date:** 6/7/2012**Water body number:** 113-41-10150-2013-3011**Species & Lifestage:** CO**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary of a tributary to Starrigavan Creek using a backpack electrofisher and GPS (Table 1). During sampling and tracking of the stream, coho salmon were captured until waypoint 14.

Recommendations: Add stream to the AWC (Figure 1).

Nomination: 12-552

Table 1.–113-41-10150-2013-3011 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
3	57.1232	-135.3225	Road across tributary.		
4	57.1234	-135.3220	Tributary on river right, small with large pool at confluence.	VI	1 CO
5	57.1234	-135.3218	3 CO in pool.	EF	3 CO
6	57.1234	-135.3216	Tributary entering on river left. 3 CO and 4 DV.	EF	3 CO, 4 DV
7	57.1234	-135.3213	Handnetted 3 CO and 1 DV in pool.	HN	3 CO, 1 DV
8	57.1235	-135.3210	Handnetted 4 CO. Ground fed pond that dumps into creek.	HN	4 CO
9	57.1236	-135.3109	ATV trail crosses creek, no bridge or culvert at crossing. ATV's drive through creek.		
10	57.1237	-135.3208		HN	6 CO
11	57.1237	-135.3206		HN	3 CO, 1 DV
12	57.1237	-135.3201	Tributary entering on river left, low flow. Visual on fish.	HN	7 CO
13	57.1236	-135.3194	End of survey on tributary. Captured 5 DV near top.	EF	5 DV
14	57.1238	-135.3199		HN	2 CO

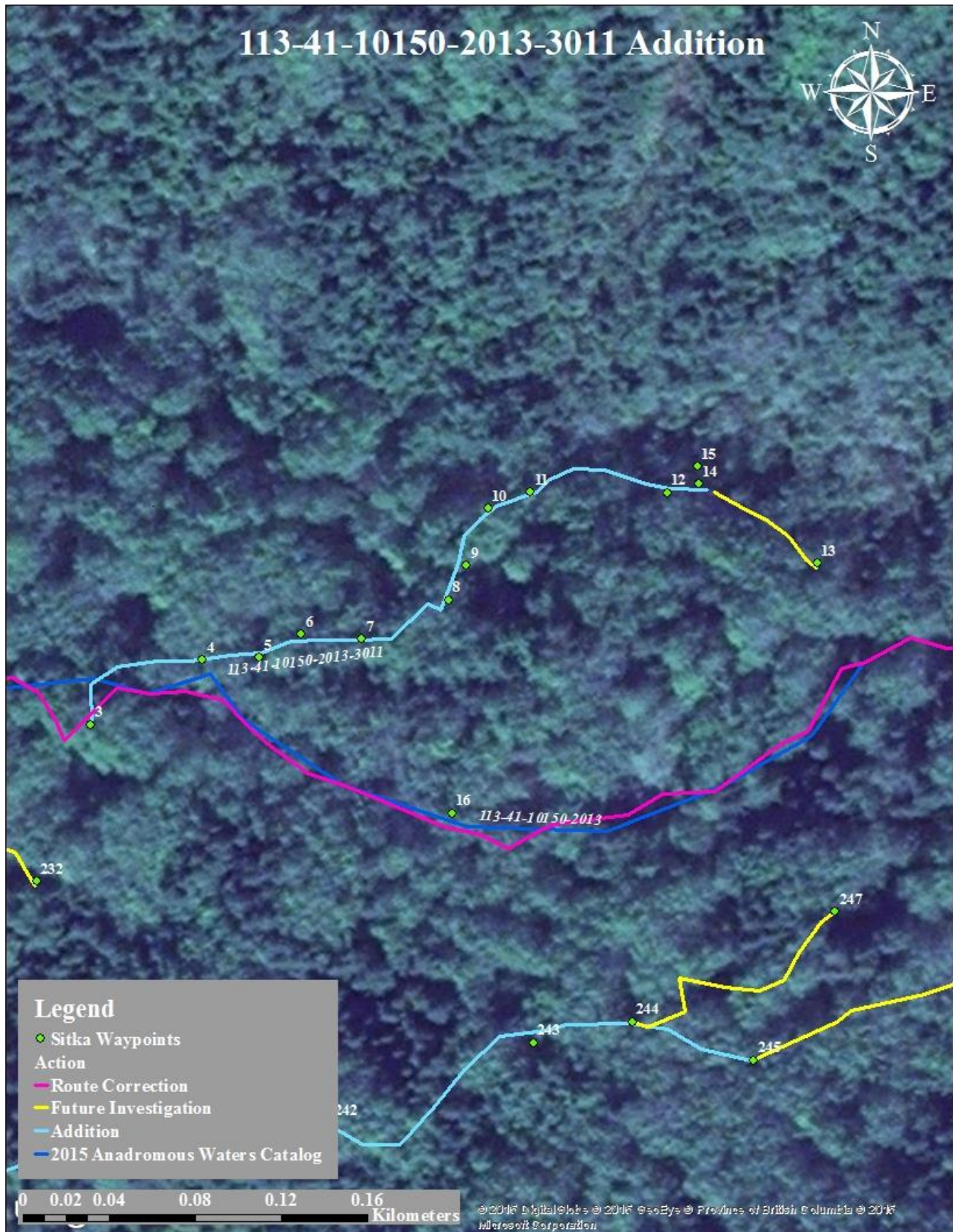


Figure 1.—113-41-10150-2013-3011 addition map

Sitka

113-41-10153

CORRECTION

Water body name:

Survey date: 6/14/2012

Water body number: 113-41-10153

Species & Lifestage: CO

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed 113-41-10153 using a backpack electrofisher and GPS (Table 1). We captured several rearing coho salmon most of the way upstream. We ended the survey at the headwaters; water is draining from a muskeg.

Recommendations: Correct the current route in the AWC (Figure 1).

Nomination: 15-556

Table 1.–113-41-10153 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
182	57.1287	-135.3740	Stream exits culvert and at high tide right into the ocean.		
183	57.1285	-135.3736	Got 1 CO about 55mm.	EF	1 CO
184	57.1284	-135.3735	Electrofished and got 2 CO about 60mm.	EF	2 CO
185	57.1278	-135.3722	Electrofished and got 1 CO about 60mm.	EF	1 CO
186	57.1269	-135.3715	Calling the top of stream. The stream is running through muskeg and is gone to a trickle now and is being fed by other trickle tributaries that are also just coming out of ground.	EF	No Fish



Figure 1.—113-41-10153 route correction map.

Sitka

113-41-10160**CORRECTION****Water body name:** No Name Creek**Survey date:** 6/12/2013**Water body number:** 113-41-10160**Species & Lifestage:** CHp, COp, Pp**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-5**Findings:** We surveyed No Name Creek using a backpack electrofisher and GPS (Table 1). We captured pink salmon out migrants and Dolly Varden char. We ended the survey cascade falls that is a velocity barrier.**Recommendations:** Correct the current route in the AWC (Figure 1).**Nomination:** 15-557

Table 1.–113-41-10160 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
80	57.1281	-135.3826	Mouth of No Name Creek.		
81	57.1244	-135.3770	Just not a apparent population.	EF	2 DV
82	57.1241	-135.3766	Electrofished 1 DV about 95mm and a pink fry out migrant	EF	1 DV, 1 P
83	57.1240	-135.3765		EF	1 SC
100	57.1237	-135.3759	Where TQ and GW left off.		
101	57.1236	-135.3756	Very small tributary entering river right. Runs subterranean about 30ft from mainstem.		
102	57.1212	-135.3739	Tributary entering river left and gradient increasing.	EF	No Fish
103	57.1210	-135.3742	Top of tributary mentioned in waypoint 102. The tributary hits a gradient barrier. Caught 2 DV between 80-95mm.	EF	2 DV
104	57.1206	-135.3712	Potential barrier, log jam with 2 pinch points, one very narrow and the other shallow.	EF	No Fish
105	57.1203	-135.3694	Gradient change, entering a bedrock canyon with cascade falls. Have not caught any anadromous fish, but also haven't found definitive barrier.	EF	2 DV

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
106	57.1190	-135.3660	Possible barrier with fish pass at high water on river right. It's a debris dam with one shoot on river right that at current flow would be a velocity barrier, but could possibly pass fish if H2O came up enough. Fished extensively above debris dam and only caught 3 DV all were very emaciated, large heads skinny bodies. One was almost translucent.	EF	3 DV
107	57.1172	-135.3600	Definitive barrier. Cascade falls high velocity H2O even at high water. No resting pools for entirety of falls. I would suspect in years with high runs and lots of competition for spawning grounds, that fish would/could make it this far. The substrate of this creek is dominated by large cobble, very suitable for kings. Ended survey.		



Figure 1.—113-41-10160 route correction map.

Sitka

Sitka

113-41-10170-2008**CORRECTION****Water body name:****Survey date:** 6/7/2012**Water body number:** 113-41-10170-2008**Species & Lifestage:** CHs, COp, Ps**Watershed:** Sitka Sound-Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-5**Findings:** We surveyed this stream using a backpack electrofisher and GPS (Table 1). This stream provides excellent rearing habitat for coho salmon and Dolly Varden char.**Recommendations:** Correct the current route in the AWC (Figure 1).**Nomination:** 12-569

Table 1.–113-41-10170-2008 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	57.1017	-135.4014	Mouth of creek in ocean. Braided at the end.		
2	57.1014	-135.4004	Tributary entering river right with high turbidity and iron concentration.		
9	57.1010	-135.3984	Creek crosses under HPR.		
10	57.1034	-135.3898	Tributary entering on river right, comes from 2 perched culverts under road. About 50ft from creek.		
11	57.1034	-135.3888	Creek forks, river right is cataloged and river left is not.		
14	57.1043	-135.3882	Inlet of culvert under quarry road. Cataloged tributary.		
15	57.1047	-135.3880	Nasty little feeder tributary.		
18	57.1051	-135.3875	Pocket dial.		
22	57.1080	-135.3852	Small tributary on river right.		
30	57.1035	-135.3887	Confluence of Granite Creek.		
32	57.1089	-135.3839	Small inlet stream on river right.		
33	57.1094	-135.3815	Tributary enteirng on river right.		
34	57.1095	-135.3815	1 CO about 40mm.	EF	1 CO
37	57.1096	-135.3811	Tributary entering on river left.		
45	57.1102	-135.3795	Tributary entering on river left.		
51	57.1103	-135.3794	Confluence of tributary that was finished.		
52	57.1103	-135.3794	Tributary entering river left.		
54	57.1107	-135.3791	Small tributary on river right.		
56	57.1116	-135.3781	Tributary entering on river left.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
59	57.1119	-135.3782	Tributary entering on river left. Visual on a DV at headwaters. Lack of flow is barrier.	VI	1 DV
60	57.1122	-135.3785	Tributary entering on river left.		
61	57.1124	-135.3789	Creek forks, and so electrofished confluence. Salmon vertebrae on bank.	EF	No Fish
67	57.1134	-135.3794	2 CO netted, visual on old salmon eggs rolling on bottom.	EF	2 CO
68	57.1138	-135.3792	Tributary entering on river right.		
72	57.1147	-135.3782	Tributary entering on river right.		
74	57.1161	-135.3776	Captured 2 DV here. Have not seen CO in awhile. No barrier found.		
75	57.1168	-135.3779	End of survey.		
76	57.1142	-135.3787	Hiking out saw numerous salmon bones on creek bank.		
1	57.1158	-135.3781	Low water, subterranean flow.		
2	57.1161	-135.3781	No fish captured. Very small and disconnected pools. Tributary entering on river right.	EF	No Fish
8	57.1167	-135.3779	Small tributary entering on river right. Electrofished the confluence and a pool just above. 1 DV about 25mm.	EF	1 DV
9	57.1169	-135.3778	Tributary entering on river left.		
13	57.1181	-135.3780	Calling the top. Upper extent of watershed habitat became deer habitat.		



Figure 1.—113-41-10170-2008 route correction map.

Sitka

Sitka

113-41-10170-2003**ADDITION****Water body name:****Survey date:** 5/15/2012**Water body number:** 113-41-10170-2003**Species & Lifestage:** CO**Watershed:** Sitka Sound–Frontal Pacific Ocean**MTR:** C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This short braided stream provides rearing habitat for coho salmon and Dolly Varden char. We followed the stream up to a culvert below Halibut Point Road. We captured coho above the culvert, but were unable to track the stream above the culvert where it entered another culvert through a parking area. We found another stream nearby that may be a source of water however we found no fish in this stream.

Recommendations: Add stream to the AWC (Figure 1).**Nomination:** 12-572

Table 1.–113-41-10170-2003 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
2	57.1014	-135.4004	Tributary entering river right with high turbidity and iron concentration.		
3	57.1013	-135.3997	Rolled CO in tributary. Tributary becomes braided here.	EF	1 CO
4	57.1013	-135.3993	2 CO between 65-70mm and 1 DV about 90mm. Captured downstream of HPR.	EF	2 CO, 1 DV
5	57.1014	-135.3991	2 CO between 65-95mm. Where creek comes from under HPR.	EF	2 CO
6	57.1014	-135.3987	1 CO about 80mm.	EF	1 CO
7	57.1031	-135.3975	Upper extent of tributary.		



Figure 1.—113-41-10170-2003 addition map.

Sitka

113-41-10170-2008-3006-4011

ADDITION

Water body name:

Survey date: 5/16/2012

Water body number: 113-41-10170-2008-3006-4011

Species & Lifestage: CO

Watershed: Sitka Sound–Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides good coho salmon and Dolly Varden char rearing habitat.

Recommendations: Add stream to the AWC (Figure 1).

Nomination: 12-575

Table 1.–113-41-10170-2008-3006-4011 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
16	57.1053	-135.3870	Excavated pond on river right		
17	57.1053	-135.3869	Muddy little ditch cataloged to settling ponds, between river	EF	
20	57.1055	-135.3868		EF	2 CO



Figure 1.—113-41-10170-2008-3006-4011 addition map.

Sitka

113-41-10170-2008-3007

ADDITION

Water body name:

Survey date: 5/15/2012

Water body number: 113-41-10170-2008-3007

Species & Lifestage: CO

Watershed: Sitka Sound–Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides good coho salmon and Dolly Varden char rearing habitat (Figure 1). Although it is a short stream, it contains deep pools and good undercut banks, which provide good protection for juvenile coho salmon.

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-573

Table 1.–113-41-10170-2008-3007 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
33	57.1094	-135.3815	Tributary entering on river right.		
34	57.1095	-135.3815	1 CO about 40mm.	EF	1 CO
35	57.1095	-135.3814	1 CO about 45mm in a small pool.	EF	1 CO
36	57.1099	-135.3815	Upper extent of potential fish habitat. Gradient is increasing and flow is decreasing.		



Figure 1.–Looking downstream on 113-41-10170-2008-3007.

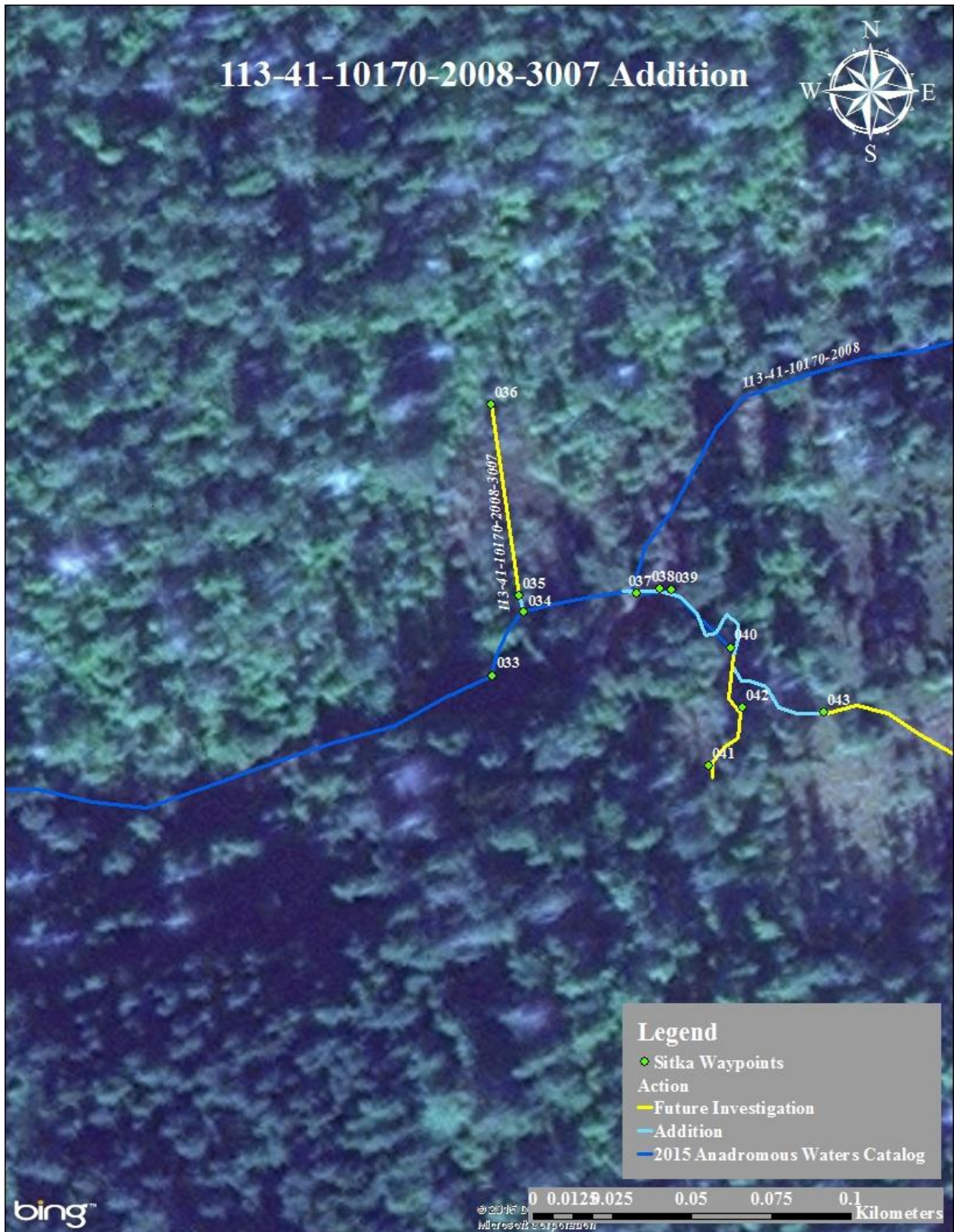


Figure 2.—113-41-10170-2008-3007 addition map.

Sitka

113-41-10170-2008-3012

ADDITION

Water body name:

Survey date: 5/16/2012

Water body number: 113-41-10170-2008-3012

Species & Lifestage: CO

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides good coho salmon and Dolly Varden char rearing habitat (Figure 1).

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-574

Table 1.–113-41-10170-2008-3012 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
37	57.1096	-135.3811	Tributary entering on river left.		
38	57.1096	-135.3811	2 CO between 45-55mm.	EF	2 CO
39	57.1096	-135.3810	Pocket dial.		
40	57.1095	-135.3809	1 CO about 38mm.	EF	1 CO
41	57.1093	-135.3809	Tributary entering on river left. 1 DV about 35mm.	EF	1 DV
43	57.1094	-135.3806	1 CO about 50mm.	EF	1 CO
44	57.1092	-135.3798	Gradient barrier.		



Figure 1.–Coho salmon captured in 113-41-10170-2008-3012.

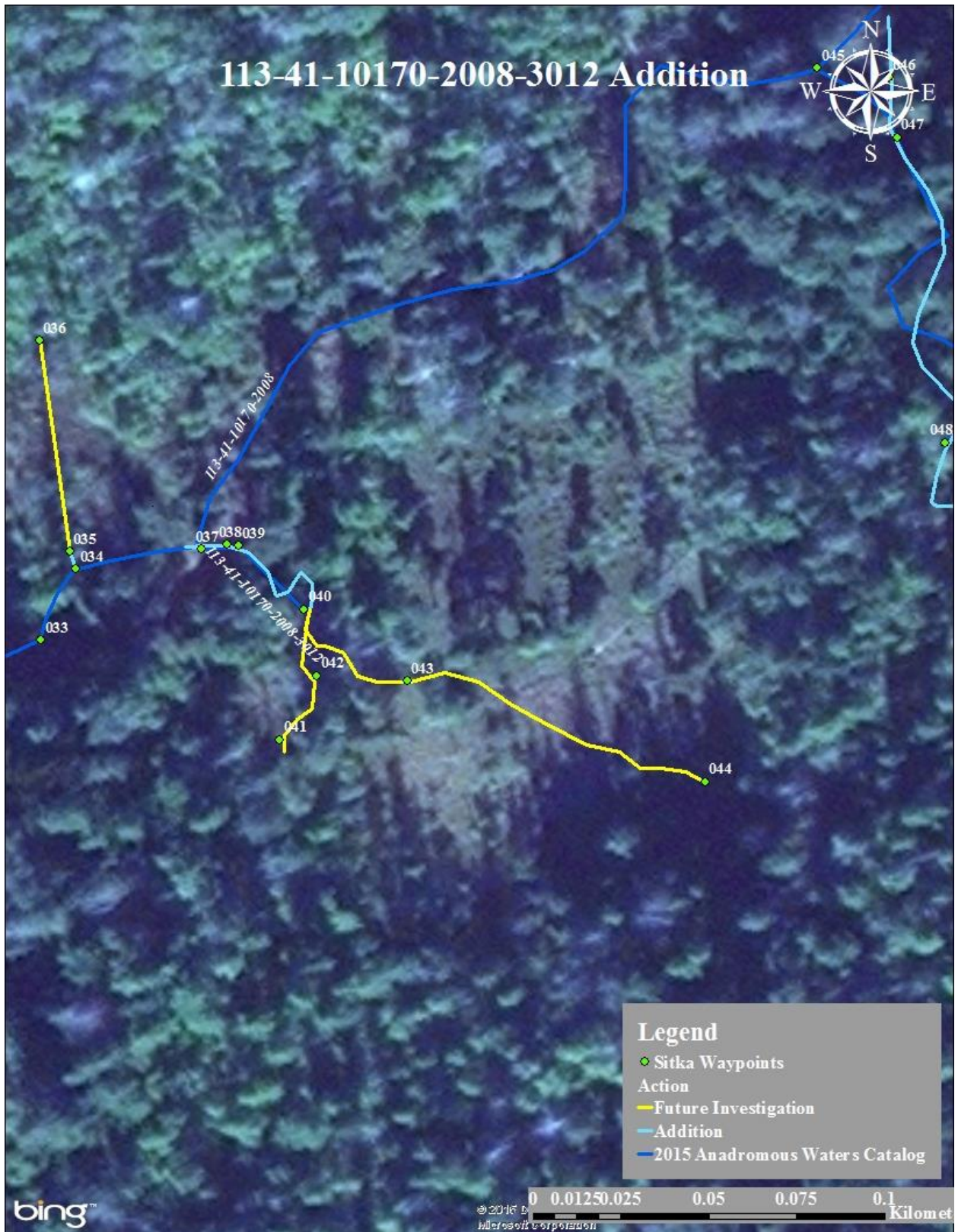


Figure 2.—113-41-10170-2008-3012 addition map.

Sitka

113-41-10170-2008-3014

ADDITION

Water body name:

Survey date: 5/16/2012

Water body number: 113-41-10170-2008-3014

Species & Lifestage: Pr

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This stream provides good coho salmon and Dolly Varden char rearing habitat. We ended the survey at a steep bedrock cascade falls (Figure 1).

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-576

Table 1.–113-41-10170-2008-3014 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
45	57.1102	-135.3795	Tributary with moderate flow entering on river left.		
46	57.1102	-135.3794	Captured 1 DV about 50mm.	EF	1 DV
47	57.1101	-135.3793	Captured 1 pink salmon about 30mm and 1 CO about 50mm.	EF	1 CO, 1 P
48	57.1097	-135.3792	Captured 1 pink salmon about 30mm and 2 DV between 50-80mm.	EF	1 P, 2 DV
49	57.1096	-135.3791	Captured 2 DV about 50mm.	EF	2 DV
50	57.1092	-135.3787	Upper extent of potential fish passage. Very steep, bedrock channel above cascading falls.		



Figure 1.–113-41-10170-2008-3014 waterfall barrier.

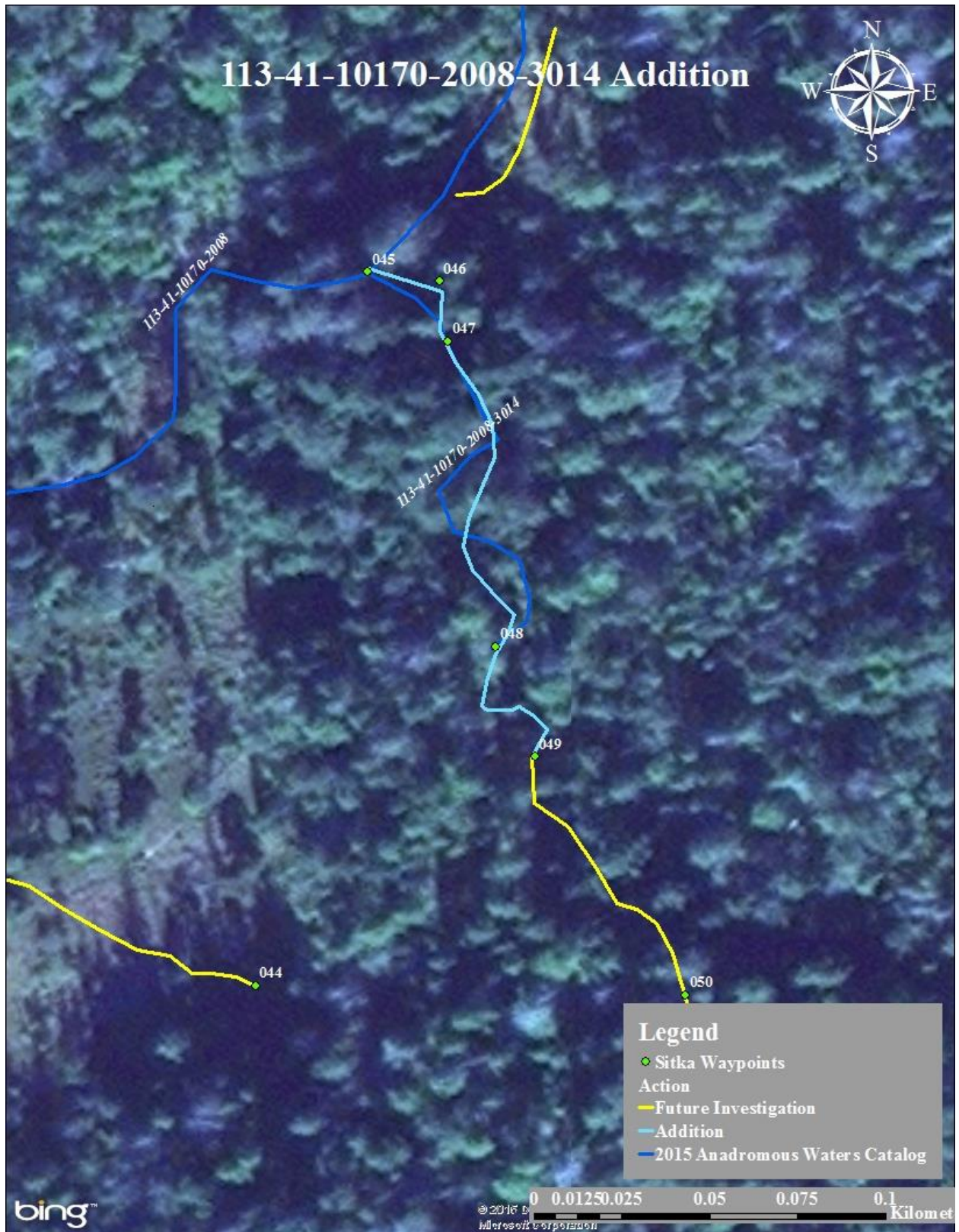


Figure 2.-113-41-10170-2008-3014 addition map.

Sitka

113-41-10170-2008-3016

ADDITION

Water body name:

Survey date: 5/17/2012

Water body number: 113-41-10170-2008-3016

Species & Lifestage: CO

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides good coho salmon and Dolly Varden char rearing habitat (Figure 1).

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-577

Table 1.–113-41-10170-2008-3016 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
61	57.1124	-135.3789	Fork in the creek with equal flow entering on river left. Salmon vertebrae on bank.		
62	57.1128	-135.3789	2 CO in fork.	EF	2 CO
63	57.1128	-135.3788	Tributary entering on river right.		
64	57.1131	-135.3787	1 CO about 70mm and visual on another CO that was netted on second go around.	EF	2 CO
65	57.1134	-135.3784	End of tributary, ends in wetland/forest mosaic.		
66	57.1131	-135.3772	Gradient barrier.		



Figure 1.–Nicole Legere and Matt Kern surveying 113-41-10170-2008-3016.

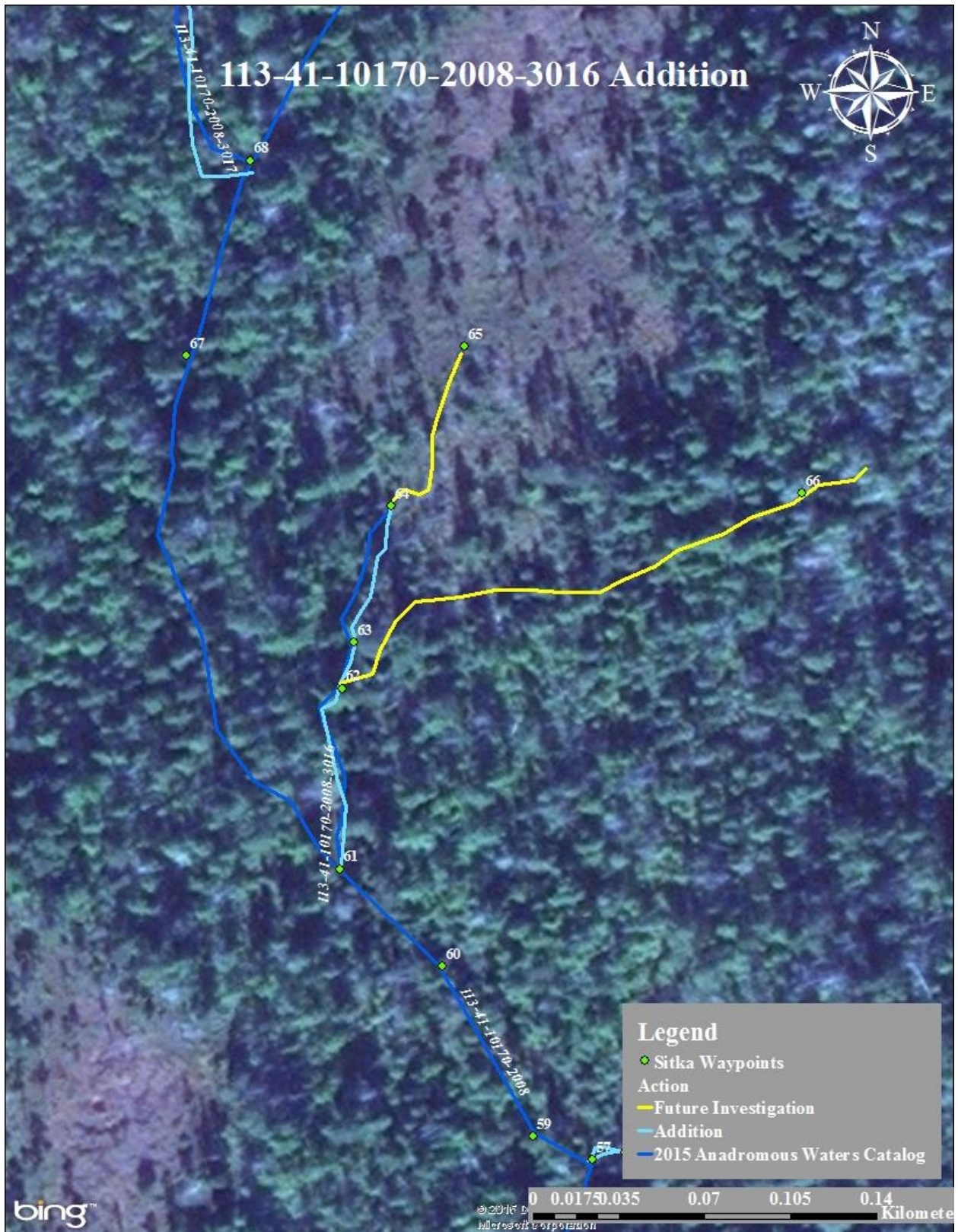


Figure 2.—113-41-10170-2008-3016 addition map.

Sitka

113-41-10170-2008-3017

ADDITION

Water body name:

Survey date: 5/17/2012

Water body number: 113-41-10170-2008-3017

Species & Lifestage: CO

Watershed: Sitka Sound-Frontal Pacific Ocean

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides good coho salmon and Dolly Varden char rearing habitat (Figure 1).

Recommendations: Add stream to the AWC (Figure 2).

Nomination: 12-578

Table 1.—113-41-10170-2008-3017 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
68	57.1138	-135.3792	Tributary entering on river right.		
69	57.1141	-135.3794	2 CO about 65mm and visual on another unknown.	EF, VI	2 CO
70	57.1142	-135.3796	1 CO about 65mm.	EF	1 CO
71	57.1145	-135.3796	End of tributary. Becomes stagnant.		



Figure 1.—Looking upstream on 113-41-10170-2008-3017.

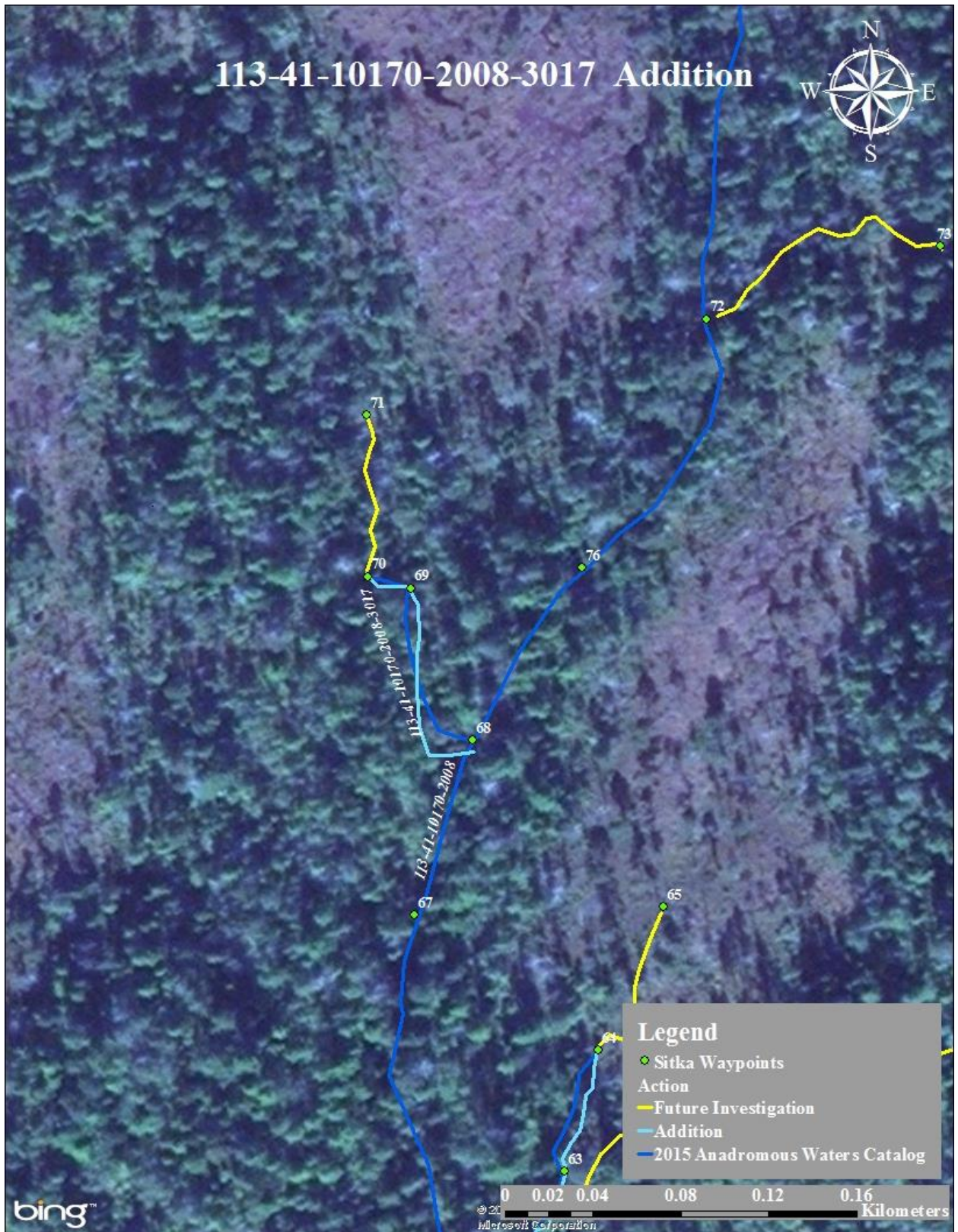


Figure 2.—113-41-10170-2008-3017 addition map.

Sitka

113-41-10180**CORRECTION**

Water body name: Cascade Creek
Water body number: 113-41-10180
Watershed: Sitka Sound-Frontal Pacific Ocean
MTR: C055S063E **Quad:** Sitka A-5

Survey date: 5/1/2012
Species & Lifestage: CHp, COp, Pp

Findings: We surveyed this stream using a backpack electrofisher and GPS (Table 1). We only captured one Dolly Varden char. There are a couple of 6-8' falls that could be a barrier to fish passage depending on water level and possible velocity barrier in canyon.

Recommendations: Correct the current course in the AWC (Figure 1).

Nomination: 15-558

Table 1.–113-41-10180 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
34	57.0732	-135.3700	Mouth of Cascade Creek, just below highway bridge.		
35	57.0734	-135.3692	At the bridge, channel has moved to river left bank. Somewhat of a pinch point.		
36	57.0734	-135.3691	Small, cascading creek enters river right.	EF	No Fish
38	57.0738	-135.3680	Potential anadromous barrier, 6-8' tall falls. Has a deep/canyoned pool at base.		
39	57.0738	-135.3680	Pocket dial.		
40	57.0740	-135.3673	Back on creek.		
41	57.0742	-135.3671	Electrofished a nice pool between a few small falls. Did not capture any fish, but saw one unknown about 110mm.	EF	1 Unknown
42	57.0744	-135.3669	Electrofished in nice scour pool, current pretty fast but lots of resting pools. Caught 1 DV about 150mm.	EF	1 DV
43	57.0745	-135.3662	Electrofished, but caught no fish. Have another medium falls between 6-8' tall.	EF	No Fish
44	57.0748	-135.3653	Had to get out of channel to avoid canyon. Tracked up game trail on bench above stream for hydrography.		
45	57.0753	-135.3631	Calling it for the day, probably above anadromy.		

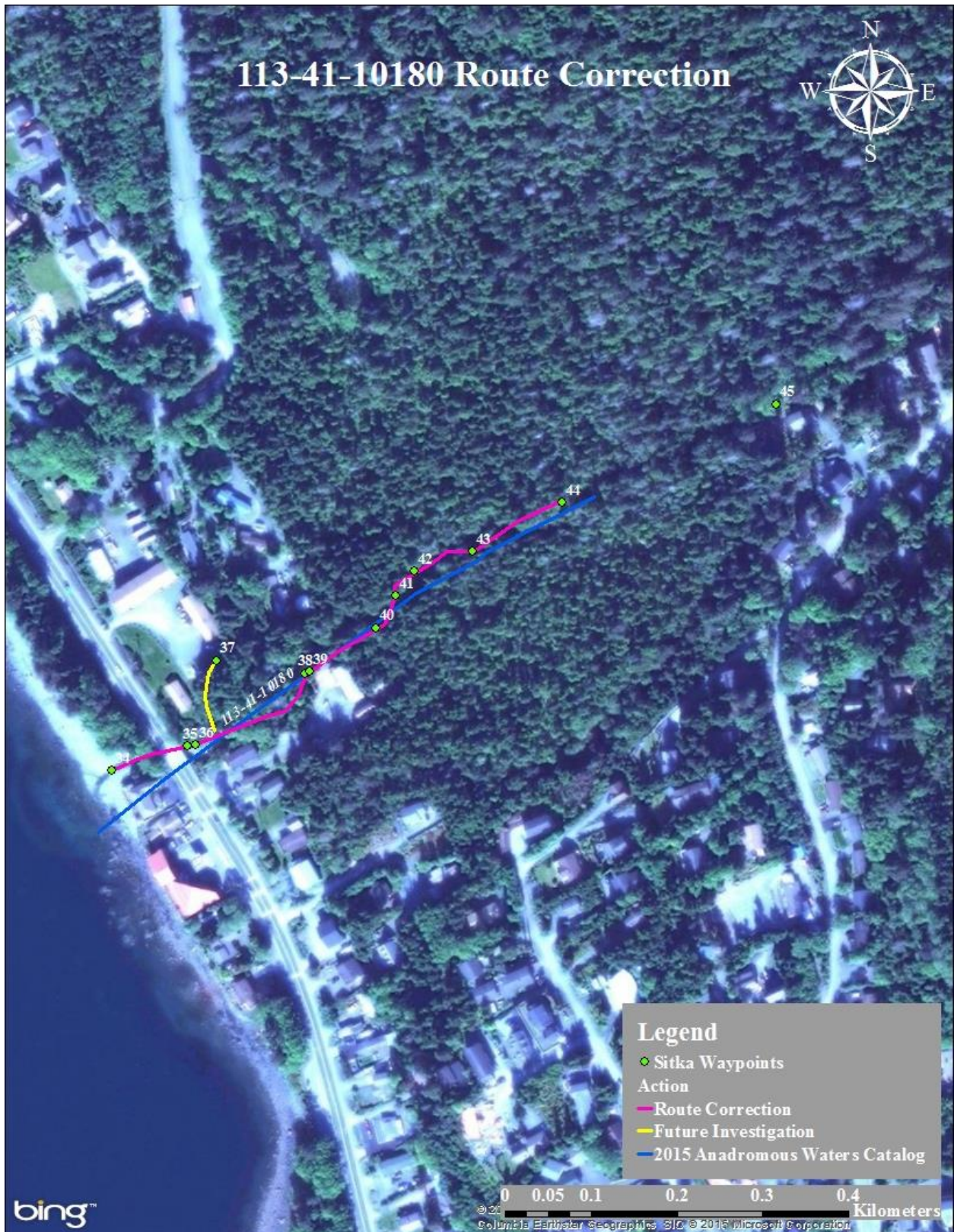


Figure 1.—113-41-10180 route correction map.

Sitka

113-41-10185**CORRECTION**

Water body name: Peterson Creek
Water body number: 113-41-10185

Survey date: 5/2/2012
Species & Lifestage: COp, Pp, DVp

Watershed: Eastern Channel-Frontal Sitka Sound

MTR: C055S063E **Quad:** Sitka A-5

Findings: We surveyed this stream using a backpack electrofisher and GPS (Table 1). This stream provides rearing habitat for coho salmon, pink salmon and Dolly Varden char. This stream presents many restoration opportunities including perched culverts (WPTs 115, 116), and debris removal throughout lower mainstem.

Recommendations: Correct the current route in the AWC (Figure 1).

Nomination: 12-586

Table 1.--113-41-10185 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
110	57.0590	-135.3490	Mouth of creek.		
111	57.0603	-135.3480	Inlet of long culvert that comes from under road and parking lot. Log debris jam blocking inlet.		
112	57.0605	-135.3473	Junk-filled debris jam.		
113	57.0607	-135.3471	Sediment laden parking lot stream coming in on river right.		
114	57.0613	-135.3438	Poorly bedded culvert.		
115	57.0623	-135.3444	Double pipes coming in here.		
53	57.0625	-135.3445	Outlet of culvert, attempting to electrofish. Caught 3 DV between 90-120mm.	EF	3 DV
54	57.0624	-135.3445	Captured 2 CO between 50-55mm in small pool below culvert.	EF	2 CO
55	57.0627	-135.3444	Electrofished pool above culvert and captured 3 DV.	EF	3 DV
56	57.0628	-135.3444	Caught 3 P fry about 30 mm.	EF	3 P
57	57.0631	-135.3444	Tributary entering on river right. Comes out of small culvert with smooth cement outfall. 1 P about 30 mm captured.	EF	1 P
116	57.0635	-135.3442	Inlet of culvert imbedded in cement bank.	EF	No Fish
58	57.0637	-135.3428	Tributary entering on river right. When I broke debris buildup I created a vortex as water drained. 1 DV about 75mm.		

Table 1.–Continued

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
59	57.0636	-135.3425	Tributary entering on river left. Electrofishing confluence and captured 1 DV about 75mm.	EF	1 DV
60	57.0631	-135.3419	Tributary is runoff from a parking lot.		
61	57.0636	-135.3410	Main stem goes under walking path through a 6' culvert. Tributary entering on river right. Electrofishing below culvert and captured 1 CO about 75mm and 3 DV between 40-50mm.	EF	1 CO, 3 DV
72	57.0635	-135.3407	Tributary entering on river right.		
74	57.0635	-135.3385	2 CO caught under cut bank.	EF	2 CO
76	57.0636	-135.3378	Tributary entering on river right.		
77	57.0635	-135.3377	Tributary entering on river left with gradient barrier at confluence.		
78	57.0635	-135.3376		EF	1 CO
79	57.0635	-135.3375	1 CO about 60mm.	EF	1 CO
80	57.0636	-135.3366	Tributary entering on river right.		
81	57.0637	-135.3361	Tributary entering on river right. Captured 1 DV about 55mm.	EF	1 DV
83	57.0637	-135.3359	1 CO about 60mm.	EF	1 CO
84	57.0639	-135.3358	1 CO about 60mm.	EF	1 CO
85	57.0640	-135.3352	Tributary entering on river right. There are a few carcasses on stream bank at confluence.		
89	57.0639	-135.3333	1 CO about 65mm.	EF	1 CO
90	57.0639	-135.3333	Tributary coming in here from a muskeg.	EF	No Fish
91	57.0637	-135.3333	1 CO about 85mm at the confluence of tributary entering on river right.	EF	1 CO
92	57.0639	-135.3331		EF	1 CO
94	57.0638	-135.3328	Subsurface bend in stream adjacent to pond on river right.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
95	57.0638	-135.3327	Visual on 1 CO in the company of three other fish.	VI	1 CO
97	57.0640	-135.3315	Tributary entering on river right. Captured 1 DV about 50mm at the confluence.	EF	1 DV
105	57.0637	-135.3308	Confluence of tributary entering on river left.		
107	57.0634	-135.3301	Source of stream is from a muskeg.		

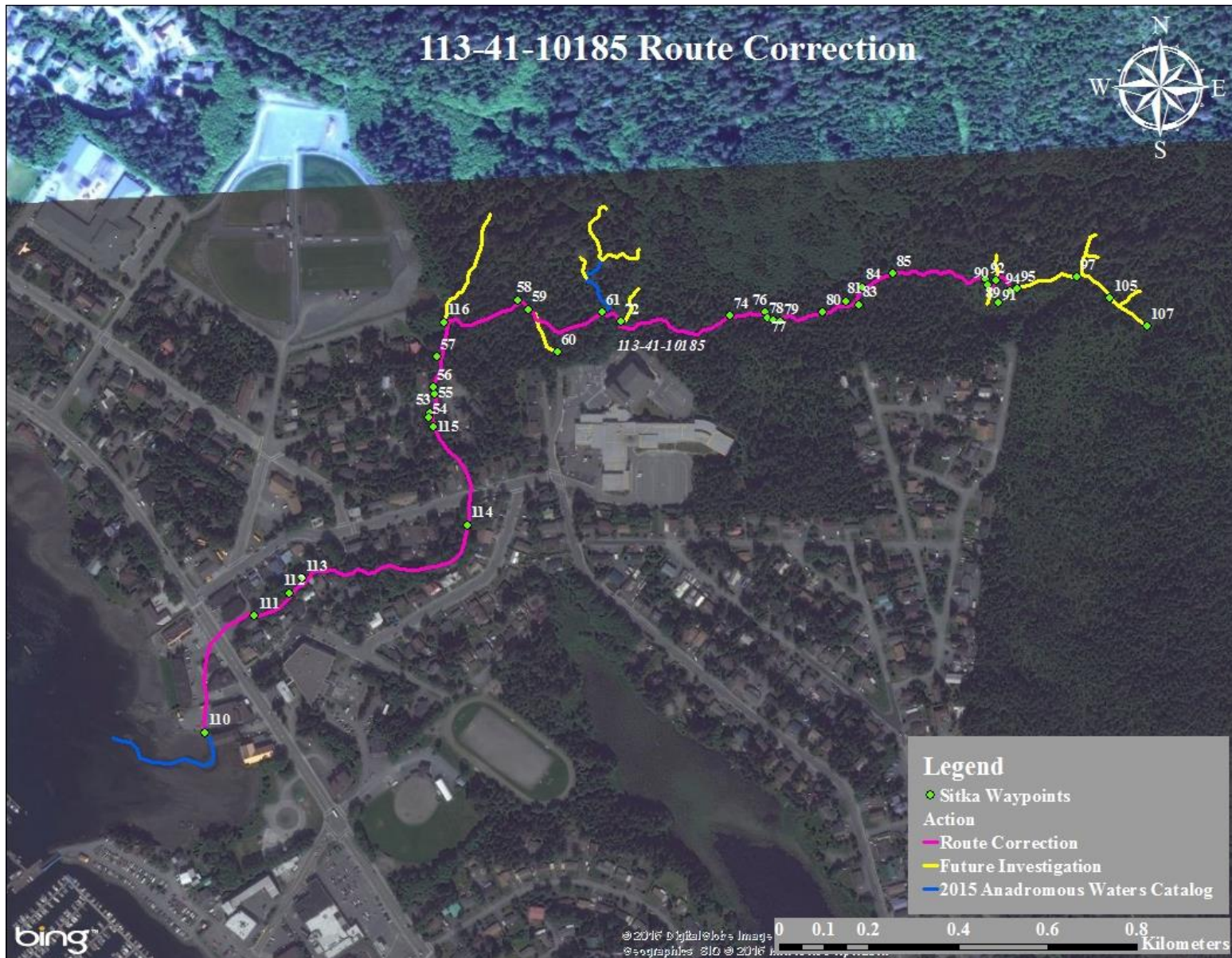


Figure 1.-113-41-10185 route correction map.

Sitka

113-41-10185-2031**ADDITION****Water body name:****Survey date:** 5/4/2012**Water body number:** 113-41-10185-2031**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S063E **Quad:** Sitka A-5

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This short stream provides rearing habitat for coho salmon and Dolly Varden char. The stream originates from a number of small, braided streams which come from forest springs.

Recommendations: Add stream to the AWC (Figure 1).

Nomination: 12-585

Table 1.–113-41-10185-2031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
61	57.0636	-135.3410	Main stem goes under walking path through a 6' culvert. Tributary entering on river right. Electrofished below culvert and captured 3 DV between 50-60mm, 1 CO about 75mm.	EF, VI	1 CO, 3 DV
62	57.0637	-135.3410		EF	1 CO
63	57.0639	-135.3412	Tributary entering on river right.		
64	57.0642	-135.3415	Top of tributary.	EF	No Fish
65	57.0642	-135.3410	Splits three ways. River right, left and straight.		
66	57.0642	-135.3411		EF	1 CO
67	57.0646	-135.3412	Gradient change, visual on large DV in pool at base of gradient change.	VI	1 DV
68	57.0647	-135.3410	Upper extent, water seeping out of ground.		
69	57.0642	-135.3410	Tributary entering on river left.		
70	57.0642	-135.3408	Braided.		
71	57.0643	-135.3403	Upper extent of tributary, where it hits a hiking trail.		

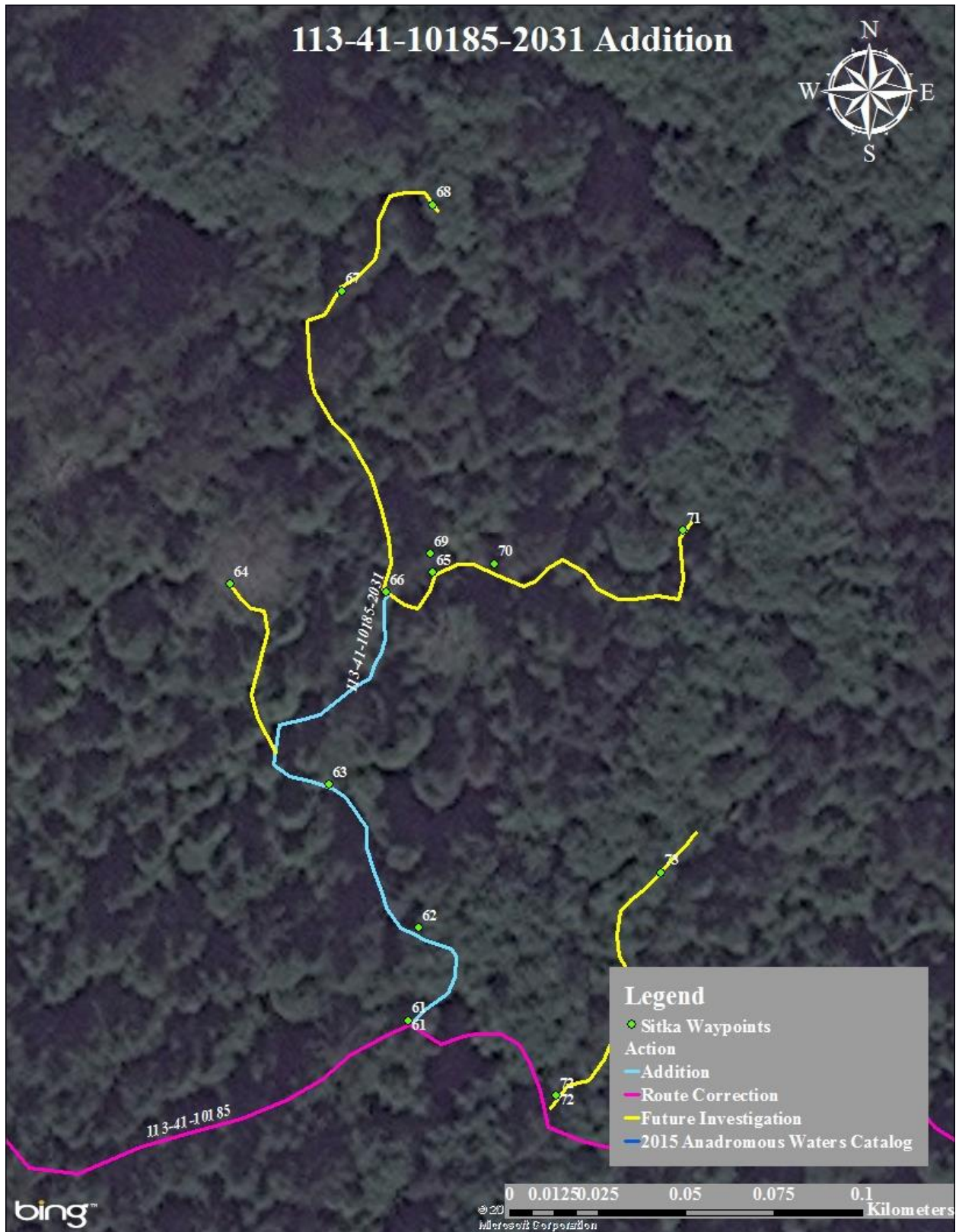


Figure 1.-113-41-10185-2031 addition map.

Sitka

113-41-10190**CORRECTION****Water body name:** Indian River**Survey date:** 6/26/2012**Water body number:** 113-41-10190**Species & Lifestage:** CHp, COp, Pp, SHp**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4

Findings: We surveyed Indian River using a backpack electrofisher and GPS (Table 1). We found many new tributaries and found that the headwater is where water is seeping out of the ground at this time. There is a dry channel that continued beyond our last survey point; something may have happened up stream.

Recommendations: Correct the current route in the AWC (Figure 1).

Nomination: 12-580

Table 1.–113-41-10190 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
134	57.0740	-135.2917	Where branch meets up with other branch of Indian River.		
122	57.0782	-135.2895	Mouth of tributary entering river right. Electrofished and got 2 CO about 25mm and 2 DV between 20-30mm. The stream has large iron flakes and is really stained because of iron. Iron stain on rocks for a ways.	EF	2 CO, 2 DV
1	57.0787	-135.2888	Confluence of two major streams in the mainstem, about half the water comes from river left.		
131	57.0802	-135.2878	Tributary entering from river right.		
132	57.0803	-135.2878	Tributary ends, just coming up out of ground. Electrofished whole thing but got nothing.	EF	No Fish
133	57.0842	-135.2837	Top of this branch of the Indian River the water is just coming out of gravel substrate. There is a well defined channel here like there are flows. Possible that something has happened upstream to dam water or this only has water in it during floods or massive floods.		

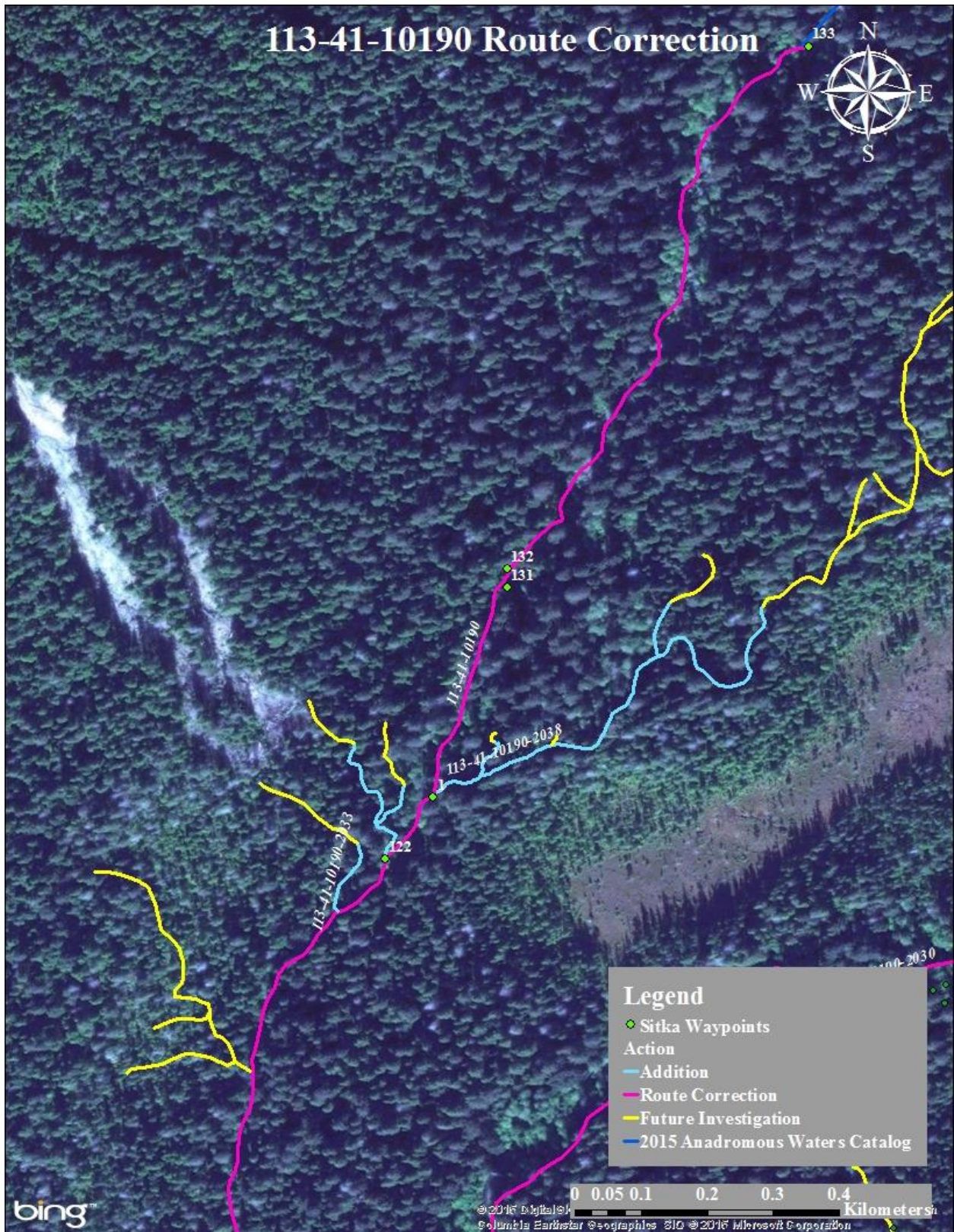


Figure 1.—113-41-10190 route correction map.

Sitka

113-41-10190-2011**CORRECTION****Water body name:****Survey date:** 6/2/2012**Water body number:** 113-41-10190-2011**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S063E **Quad:** Sitka A-4

Findings: We surveyed this stream using a backpack electrofisher and GPS (Table 1). This stream provides good rearing habitat for juvenile coho salmon. We captured coho nearly all the way to the top of this stream.

Recommendations: Updating the stream route and extending the top of the anadromous portion to the point of our last coho salmon (Figure 1).

Nomination: 12-523

Table 1.–113-41-10190-2011 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	57.0544	-135.3154	Mouth of tributary entering Indian River.		
2	57.0545	-135.3154	2 CO captured, skillfully by Gorden and Rick.	EF	2 CO
3	57.0547	-135.3154	2 CO and 2 DV captured, again by Gorden and Rick.	EF	2 CO, 2 DV
4	57.0548	-135.3155	2 CO and 3 DV at second pond down from culvert.	EF	2 CO, 3 DV
5	57.0550	-135.3156	Inlet of pipe. Series of fish pass logs above and below this culvert.		
6	57.0550	-135.3156	Another CO expertly apprehended.	HN	1 CO
7	57.0563	-135.3161	1 CO captured by Gorden and Rick.	EF	1 CO
8	57.0564	-135.3162	1 CO captured by Gorden and Rick.	EF	1 CO
9	57.0564	-135.3162	1 CO captured by Gorden and Rick.	EF	1 CO
10	57.0569	-135.3173	1 CO captured by Gorden and Rick.	EF	1 CO
11	57.0570	-135.3177	1 CO captured by Gorden and Rick. So far all habitat has been pools and riffles.	EF	1 CO
12	57.0573	-135.3185	2 CO captured in long, slow pool by Gorden and Rick.	EF	2 CO
16	57.0579	-135.3182	Coho about 65mm.	HN	1 CO
17	57.0580	-135.3185	2 CO and Rick only gets one.	EF	2 CO
18	57.0581	-135.3188	1 CO about 65mm by Rick.	EF	1 CO
19	57.0582	-135.3190	2 CO by Rick and 1 DV by Gorden.	EF	2 CO, 1 DV
20	57.0585	-135.3196	1 CO by Gorden and 1 DV by Rick.	EF	1 CO, 1 DV

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
21	57.0586	-135.3199	2 CO with one caught by Gorden and other by Rick.	EF	2 CO
22	57.0589	-135.3203	1 CO by Gorden	EF	1 CO
23	57.0590	-135.3203		EF	2 CO
24	57.0595	-135.3205	Tributary river left, large pond with lots of skunk cabbage, dies quickly no need to track. Got 2 CO in main stem at confluence.	EF	2 CO
25	57.0597	-135.3209	2 CO and 1 DV. H2O is losing flow, much more stagnant.	EF	2 CO, 1 DV
26	57.0598	-135.3214	Tributary river right, not worth fishing runs about 12'. 1 CO in main stem.	EF	1 CO
27	57.0601	-135.3217		EF	1 CO
28	57.0602	-135.3218		EF	2 CO
29	57.0607	-135.3225		EF	1 CO
30	57.0612	-135.3228	2 CO in pool with deep under cut banks and lots of security.	EF	2 CO
31	57.0614	-135.3230	Possible end. H2O goes subsurface. It reappears 35'.		
32	57.0615	-135.3229	H2O reappears.		
33	57.0616	-135.3229	Pocket dial.		
34	57.0616	-135.3229		EF	1 CO
35	57.0617	-135.3229	Beginning of gradient change, creek running up the base of a hill.		
36	57.0619	-135.3228	Tributary river left runs subsurface for 12+' right at confluence.	EF	No Fish
37	57.0620	-135.3226	End of tributary at gradient and lack of flow barrier.		
38	57.0638	-135.3235	2 fat DV in pool, have not seen Coho in a while however have not seen a definitive barrier.		
39	57.0640	-135.3236	Ending survey here, creek crosses maintained trail, gradient change us of trail.		

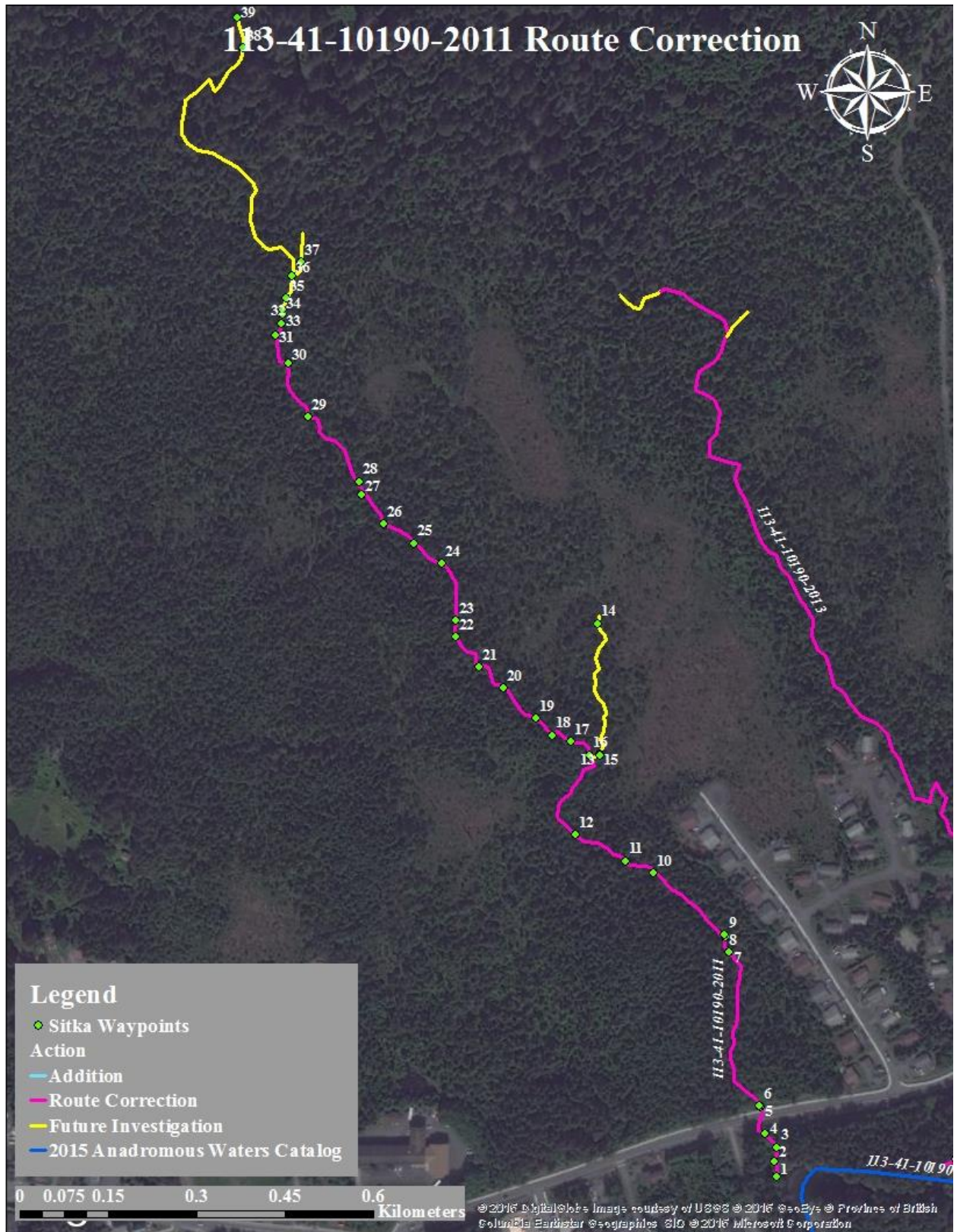


Figure 1.—113-41-10190-2011 route correction map.

Sitka

Sitka

113-41-10190-2013**CORRECTION****Water body name:****Survey date:** 6/4/2012**Water body number:** 113-41-10190-2013**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S063E **Quad:** Sitka A-4

Findings: We surveyed this stream using a backpack electrofisher and GPS (Table 1). This stream provides good rearing habitat for juvenile coho salmon. We captured coho nearly all the way to the top of this stream.

Recommendations: Updating the stream course and extending the anadromous portion of this stream to the point of our last two coho captured (Figure 1).

Nomination: 12-524

Table 1.–113-41-10190-2013 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
42	57.0556	-135.3118	Pocket dial.		
43	57.0556	-135.3118	Outlet of culvert there is a large log laying in creek, cut in log for fish pass.		
44	57.0554	-135.3120	Creek has no defined channel here runs into forest through lots of debris dams.		
45	57.0546	-135.3126	Confluence with Indian River.		
46	57.0557	-135.3119	Confluence with Indian River. Weird, poorly bedded culvert on Indian river tributary.		
47	57.0559	-135.3118	Rick and Gordon captured 2 CO above the culvert. Met a man who said they see Pinks up here late in the year.	EF	2 CO
48	57.0560	-135.3116	Culvert from creek to pond. So far lots of DV. Rick saw a fish jump the fish pass logs.	EF	DV
53	57.0560	-135.3120	Captured a CO on margins of Kaelke pond.	HN	1 CO
54	57.0569	-135.3120	Outlet of stream into pond. Captured DV and 1 CO.	EF	1 CO, DV
55	57.0569	-135.3121	2 CO in log weir pool above pond.	EF	2 CO
56	57.0570	-135.3123	Gorden handnetted 2 CO.	HN	2 CO
57	57.0570	-135.3124		EF	1 CO
58	57.0571	-135.3125	Handnetted 1 CO in large still pool with gravel substrate.	EF	1 CO
59	57.0574	-135.3129		EF	2 CO, 1 DV
60	57.0576	-135.3128	Captured 2 CO above woody, twisty section in shallow riffle.	EF	2 CO
61	57.0576	-135.3133	Captured 2 CO in large still pool amongst mossy logs.	EF	2 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
62	57.0578	-135.3135		EF	1 CO
63	57.0580	-135.3136		EF	1 CO
64	57.0584	-135.3143		EF	2 CO
65	57.0589	-135.3149		EF	2 CO
66	57.0592	-135.3150	Pool below small foot bridge, saw small school of CO fry.	VI	CO
67	57.0593	-135.3151		EF	1 CO
68	57.0599	-135.3158		EF	2 CO
69	57.0601	-135.3160	Captured CO above subsurface section in shallow riffle.	EF	1 CO
70	57.0602	-135.3161		EF	2 CO
71	57.0604	-135.3164	Pocket dial.		
72	57.0612	-135.3163		EF	2 CO, 1 DV
73	57.0614	-135.3162	Tributary entering on river left.		
74	57.0614	-135.3161		EF	1 CO, 1 DV
75	57.0616	-135.3158	Flow from tributary ends here. There is a defined channel, but no water. Worth further investigation when more water.		
76	57.0617	-135.3167	Captured 1 CO about 65mm and 1 DV about 50mm.	EF	1 CO, 1 DV
77	57.0618	-135.3172		EF	1 CO
78	57.0617	-135.3176	Gradient increasing. Creek becomes series of deep semi- stagnant pools. 1 DV about 100mm.	EF	1 DV
79	57.0617	-135.3178	Pools end here and creek goes subsurface around base of small hill. End survey.		

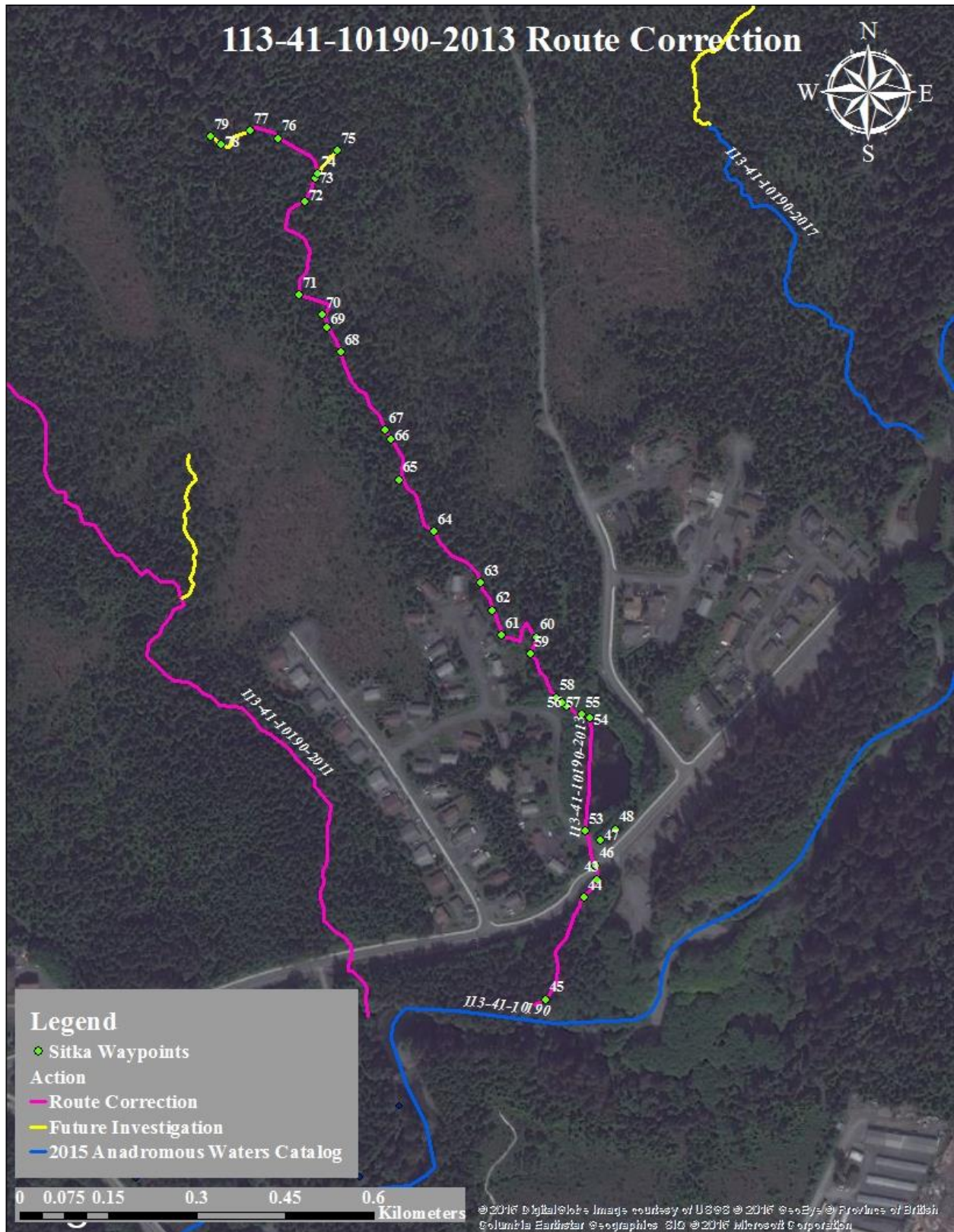


Figure 1.—113-41-10190-2013 route correction map.

Sitka

Sitka

113-41-10190-2017**ADDITION****Water body name:****Survey date:** 6/5/2012**Water body number:** 113-41-10190-2017**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary to 113-41-10190 using a backpack electrofisher and GPS (Table 1). We captured rearing coho salmon and Dolly Varden char.**Recommendations:** Add stream to the AWC (Figure 1).**Nomination:** 12-529

Table 1.–113-41-10190-2017 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
67	57.0592	-135.3069	Mouth of tributary entering Indian river on river right. Nice sinuosity, LWD, clear, gravel substrate.		
68	57.0593	-135.3075	Bridge on tributary. This splits here, taking river left tributary.	EF	1 CO
69	57.0594	-135.3077	2 CO captured in the tributary of the tributary of Indian River lots of overhanging vegetation.	EF	2 CO
70	57.0597	-135.3081	1 CO captured about 65mm.	EF	1 CO
71	57.0597	-135.3080	1 CO captured about 55mm.	EF	1 CO
72	57.0603	-135.3086	1 CO captured about 65mm.	EF	1 CO
73	57.0603	-135.3087	1 CO captured about 75mm.	EF	1 CO
74	57.0603	-135.3088	1 CO captured about 70mm.	EF	1 CO
75	57.0606	-135.3089	1 CO captured about 85mm.	EF	1 CO
76	57.0608	-135.3089	Bridge on Indian River. Cross trail.		
77	57.0611	-135.3092	1 CO captured about 80mm.	EF	1 CO
78	57.0614	-135.3099	1 CO captured about 85mm.	EF	1 CO
79	57.0617	-135.3100	River map point, gradient change, layer cobble substrate.		
80	57.0618	-135.3102	1 CO captured about 85mm.	EF	
81	57.0619	-135.3104	Top of steepened gradient. 1 DV about 80mm.	EF	1 DV
82	57.0623	-135.3104	Electrofisher battery dying.		
83	57.0640	-135.3111	Headwaters.		

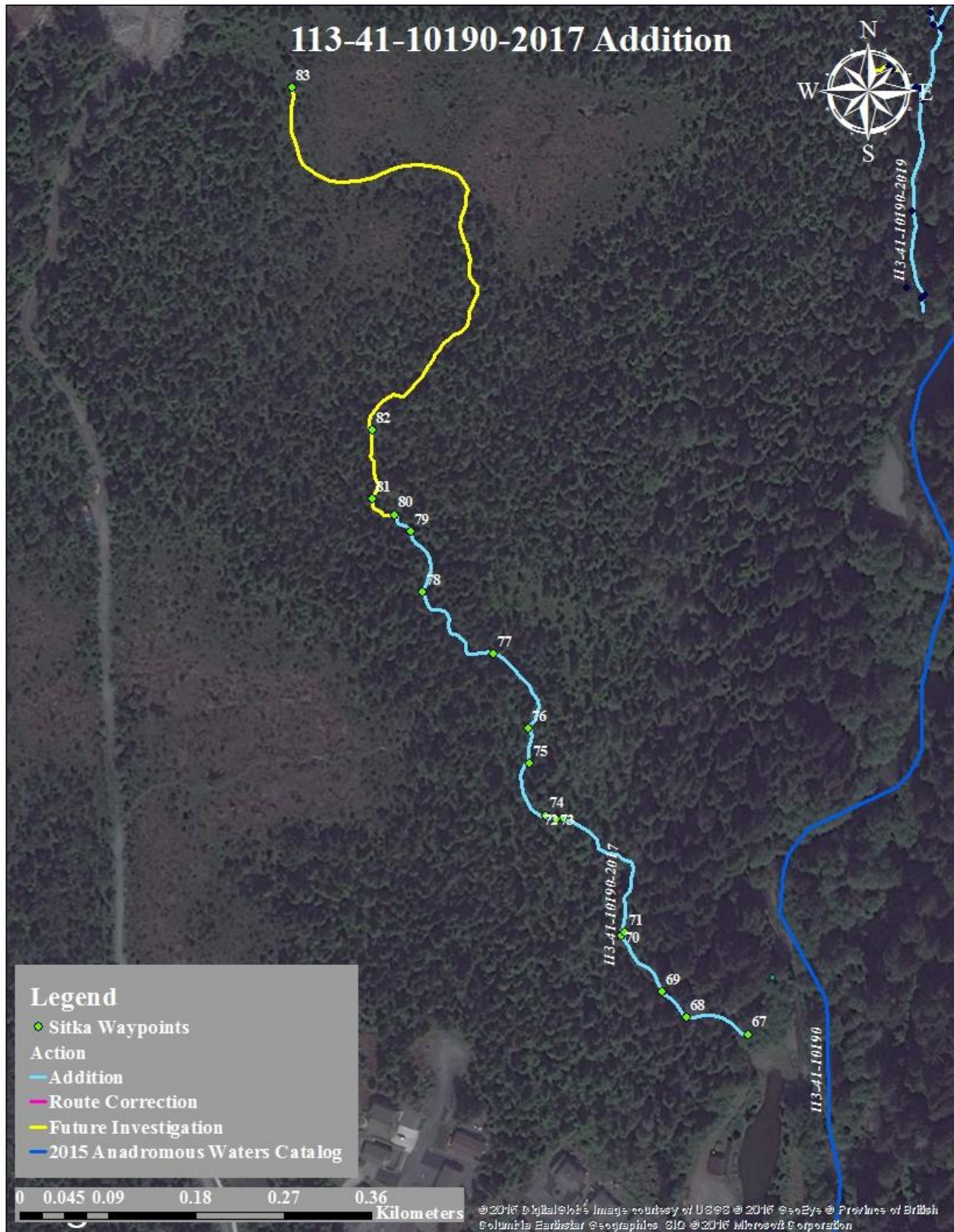


Figure 1.—113-41-10190-2017 addition map.

Sitka

113-41-10190-2019**ADDITION****Water body name:****Survey date:** 6/21/2012**Water body number:** 113-41-10190-2019**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This stream provides excellent coho salmon rearing habitat. We found several piles of pink salmon bones on the banks (WPT 152) above our most upstream coho WPT which suggests that this habitat is anadromous and can be surveyed in the future to extend the top of anadromous habitat.

Recommendations: Adding this stream to the AWC (Figure 1).

Nomination: 12-517

Table 1.–113-41-10190-2019 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
84	57.0629	-135.3053	Tributary entering Indian River on river right. Trail crosses tributary about 150m upstream.		
85	57.0629	-135.3053	Small tributary enters on river right.		
86	57.0630	-135.3054	Stopped electrofishing. Water continues in small pools. Appears water is influenced by high water and rain. Possible future investigation.	EF	No Fish
87	57.0634	-135.3054	Trail crossing. Tannic water.		
88	57.0639	-135.3053	Tributary enters on river right. Higher gradient, cobble, small cascades and pools.		
96	57.0643	-135.3051	Tributary enters on river right.		
112	57.0646	-135.3048	Tributary enters on river right. Caught 1 CO about 62mm.	EF	1 CO
121	57.0647	-135.3042	Tributary enters on river left. Looks like good coho potential-moderate flow, low gradient.		
122	57.0648	-135.3037	Electrofished 2 CO about 36mm.	EF	2 CO
134	57.0651	-135.3037	Captured 4 DV between 55-95mm.	EF	4 DV
135	57.0652	-135.3038	2 CO 40mm.	EF	2 CO
136	57.0655	-135.3036	Electrofished 2 CO between 38-45mm. Habitat remains beautiful.	EF	2 CO
137	57.0657	-135.3040	3 DV between 50-70mm and 2 CO between 35-55mm.	EF	2 CO, 3 DV

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
138	57.0660	-135.3048	Electrofished 2 CO between 35-45mm and 1 DV about 45mm.	EF	2 CO, 1 DV
139	57.0661	-135.3050	Tributary enters on river left. Low gradient, low flow.		
140	57.0664	-135.3049	Electrofished 1 DV about 55mm.	EF	1 DV
141	57.0667	-135.3047	Electrofished 2 DV between 30-35mm.	EF	2 DV
142	57.0669	-135.3047	7 DV between 30-75mm captured.	EF	7 DV
143	57.0671	-135.3048	1 DV about 35 mm, in a large deep pool.	EF	1 DV
144	57.0673	-135.3050	Still abundant DV, 5 DV between 30-45mm.	EF	5 DV
145	57.0676	-135.3049	3 DV between 30-45mm. Great habitat, no coho yet.	EF	3 DV
146	57.0680	-135.3046	2 DV between 45-53mm.	EF	2 DV
147	57.0684	-135.3041	2 DV about 30 mm.	EF	2 DV
148	57.0686	-135.3038	Electrofished 4 DV between 28-40mm. Gradient begins to increase slightly, but still very good fish habitat.	EF	4 DV
149	57.0689	-135.3039	Captured 2 DV between 35-45mm.	EF	2 DV
150	57.0691	-135.3040	Steep, little tributary enters river right. Visual ID 1 DV about 150mm.	VI	1 DV
151	57.0694	-135.3036	Top of watered habitat: stream channel continues as dry, steep, cascading, incised channel- probably only flow at flood stage waters.		
152	57.0669	-135.3047	Fish vertebrate. Due to size maybe pink vertebrate. This is the upper extent of vertebrate found from here down. Quite a few vertebrate.		
153	57.0661	-135.3053	Electrofished and got 3 DV between 45-55mm.	EF	3 DV
154	57.0662	-135.3055	Electrofished and got 2 CO between 45-55mm and 1 DV about 35mm.	EF	2 CO, 1 DV
155	57.0662	-135.3056	Tributary entering river right. Also here at confluence. Electrofished 1 CO about 50mm.	EF	1 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
156	57.0663	-135.3058	Electrofished and got 1 DV about 40mm.	EF	1 DV
157	57.0662	-135.3059	Top of the tributary. We electrofished in all the places that were deep and big enough to electrofish.	EF	No Fish
158	57.0663	-135.3058	Electrofished and got 2 CO about 55mm.	EF	2 CO
159	57.0665	-135.3058	Electrofished and got 3 CO between 40-50mm and 1 DV about 40mm.	EF	3 CO, 1 DV
160	57.0667	-135.3061	Tributary entering river left.		
161	57.0668	-135.3061	Electrofished and got 1 DV about 45mm.	EF	1 DV
162	57.0672	-135.3059	Electrofished and got 2 DV about 45mm.	EF	2 DV
163	57.0675	-135.3059	Electrofished and got 2 CO about 45mm.	EF	2 CO
164	57.0677	-135.3058	In low flow area that is turning into pools. Top of tributary. Two small seeps coming together to make tributary.		
165	57.0669	-135.3063	Electrofished and got 3 DV about 50mm.	EF	3 DV
166	57.0672	-135.3068	Electrofished and got 1 DV about 50mm.	EF	1 DV
167	57.0673	-135.3075	Electrofished and got 1 DV about 40mm.	EF	1 DV
168	57.0674	-135.3080	Calling it the top of tributary. Would recommend further investigation, but don't foresee CO getting this high. But we electrofished and got 1 DV.	EF	1 DV

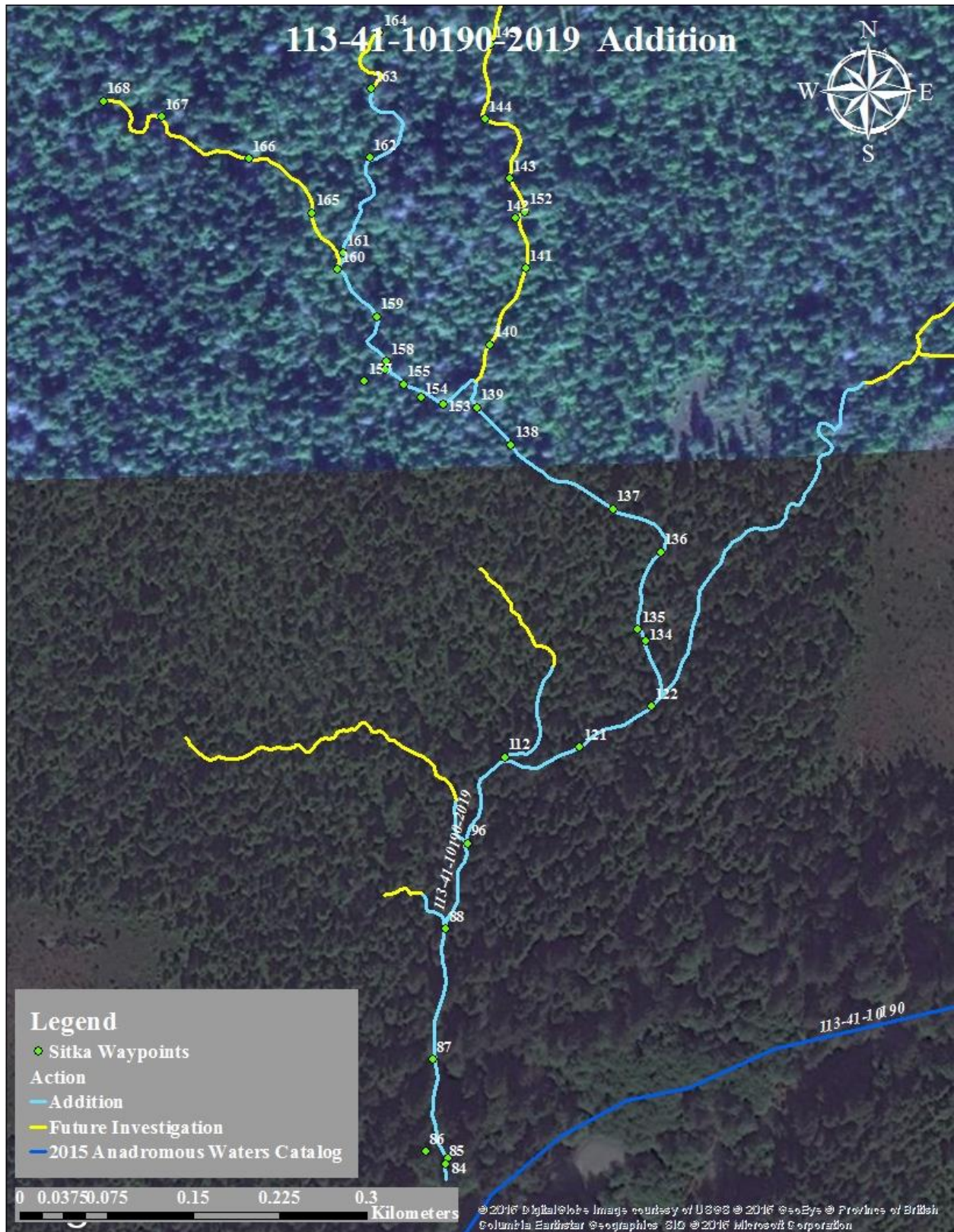


Figure 1.—113-41-10190-2019 addition map.

Sitka

113-41-10190-2019-3011**ADDITION****Water body name:****Survey date:** 6/21/2012**Water body number:** 113-41-10190-2019-3011**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This short stream provides some coho rearing habitat near its confluence with Indian River. Upstream habitat becomes steep with many small cascading waterfalls and does not likely contain anadromous fish habitat.

Recommendations: Add this stream course to the AWC (Figure 1).

Nomination: 12-522

Table 1.–113-41-10190-2019-3011 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
88	57.0639	-135.3053	Tributary enters on river right. Higher gradient, cobble, small cascades and pools.		
89	57.0640	-135.3053	We measured most of the coho today and approximated the length of DV. Caught 1 CO about 78mm and 1 DV about 50mm.	EF	1 CO, 2 DV
90	57.0640	-135.3054	Caught 1 DV 47mm.	EF	1 DV
91	57.0640	-135.3054	Caught 1 DV 50mm.		1 DV
92	57.0641	-135.3056	Caught 1 DV.		1 DV
93	57.0641	-135.3056	Siphons higher gradient. Caught 1 DV about 40mm.		1 DV
94	57.0641	-135.3058	End of survey area. Site for possible investigation		
95	57.0641	-135.3055	Caught 1 CO about 71mm and 1 DV about 55mm. Conclusion 2 CO on steep tributary.	EF	1 CO, 1 DV

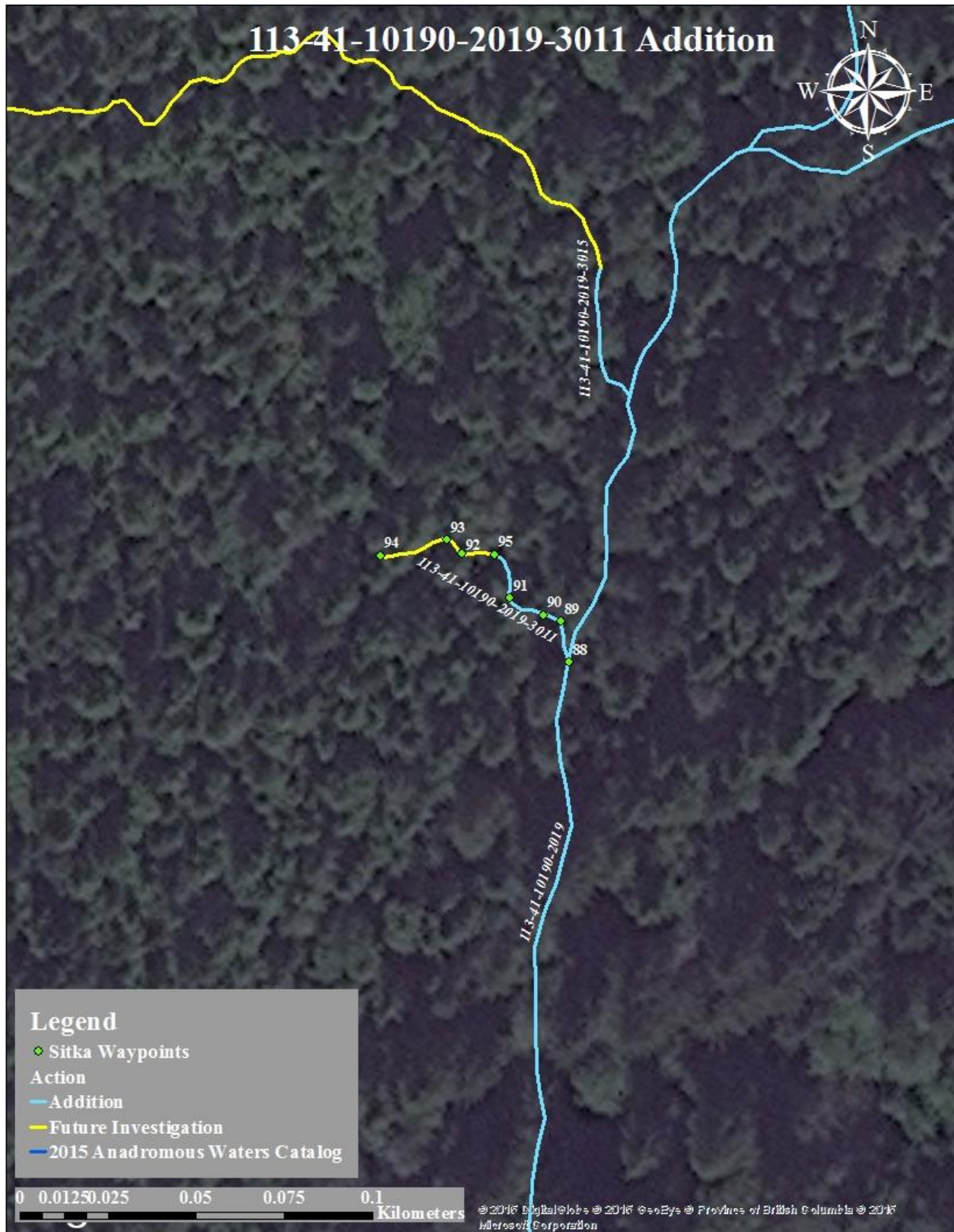


Figure 1.—113-41-10190-2019-3011 addition map.

Sitka

113-41-10190-2019-3015**ADDITION****Water body name:****Survey date:** 6/21/2012**Water body number:** 113-41-10190-2019-3015**Species & Lifestage:** COr**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This short stream provides some coho rearing habitat near its confluence with Indian River. Upstream habitat becomes steep with many small cascading waterfalls and does not likely contain anadromous fish habitat.

Recommendations: Adding this stream course to the AWC (Figure 1).

Nomination: 12-521

Table 1.–113-41-10190-2019-3015 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
96	57.0643	-135.3051	Tributary enters on river right.		
97	57.0643	-135.3052	Caught 1 CO about 69mm and 2 DV between 52-58mm.	EF	1 CO, 2 DV
98	57.0644	-135.3052	Caught 1 CO about 55mm and 2 DV about 28mm.	EF	1 CO, 2 DV
99	57.0645	-135.3052	Caught 1 CO about 71mm and 2 DV about 70mm.	EF	1 CO, 2 DV
100	57.0646	-135.3054	Caught 1 DV.	EF	1 DV
101	57.0646	-135.3054	Caught 1 DV.	EF	1DV
102	57.0647	-135.3056	Tributary becomes narrower, steeper gradient. Caught 1 DV. Many small pools with small waterfalls.	EF	1 DV
103	57.0648	-135.3059			
104	57.0648	-135.3060	Caught 2 DV between 55-66mm.	EF	2 DV
105	57.0647	-135.3062	Caught 1 DV.	EF	1 DV
106	57.0647	-135.3064	Gradient continues, but pools are longer and less riffles. Caught 1 DV about 63mm.	EF	1 DV
107	57.0646	-135.3071	Caught 1 DV.	EF	1 DV
108	57.0646	-135.3072	Caught 1 DV.	EF	1 DV
109	57.0647	-135.3073	Caught 1 DV.	EF	1 DV
110	57.0647	-135.3073	End of survey. Habitat is good, but unlikely coho will be present given due to the lack of coho fishing success. Future investigation.		
111	57.0643	-135.3052	Continue tracking upstream on main tributary.		

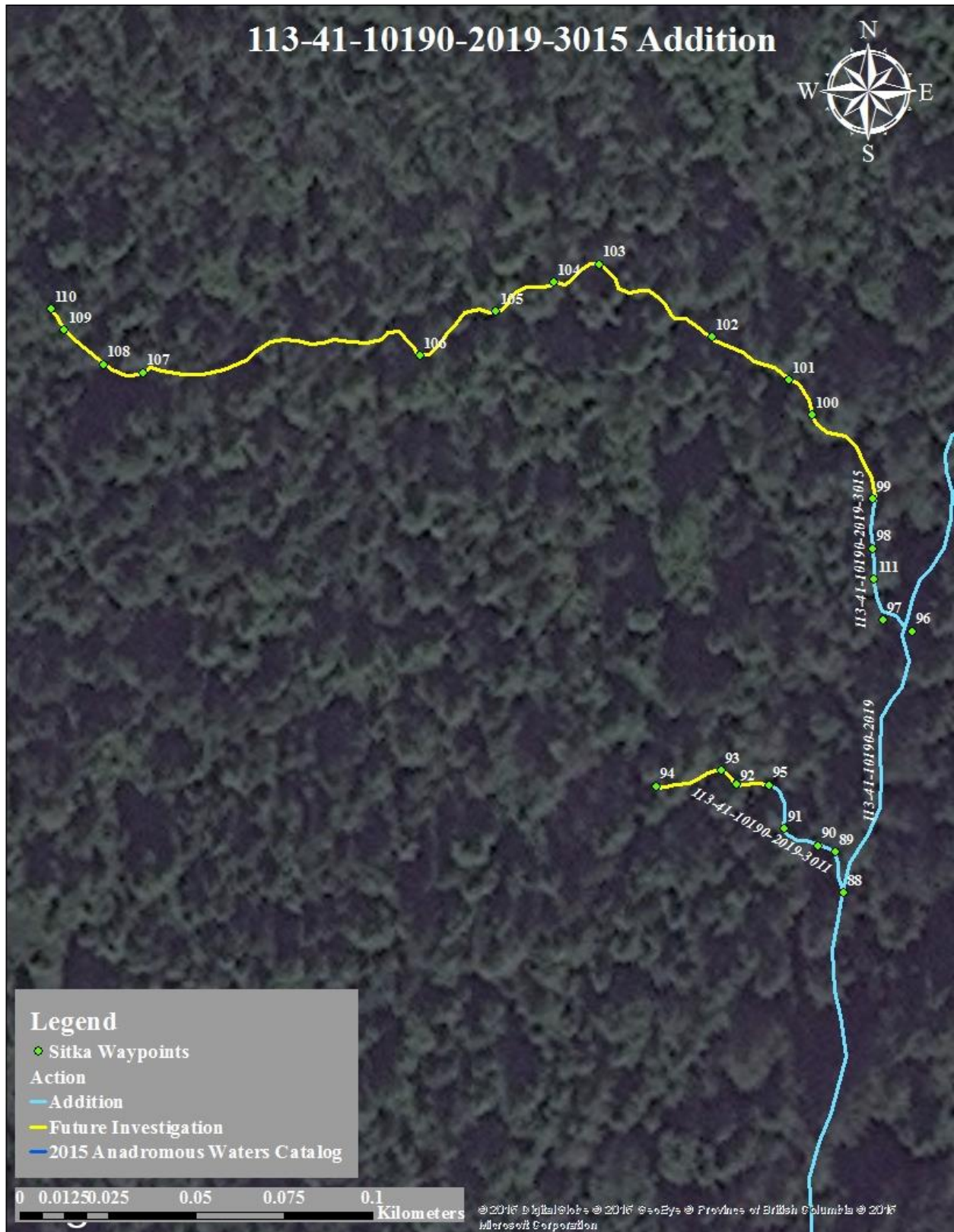


Figure 1.—113-41-10190-2019-3015 addition map.

Sitka

113-41-10190-2019-3019**ADDITION****Water body name:****Survey date:** 6/21/2012**Water body number:** 113-41-10190-2019-3019**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides excellent coho salmon rearing habitat.**Recommendations:** Adding this stream course to the AWC (Figure 1).**Nomination:** 12-520

Table 1.—113-41-10190-2019-3019 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
112	57.0646	-135.3048	Tributary enters on river right. Caught 1 CO about 62mm.	EF	1 CO
113	57.0647	-135.3046	Caught 1 CO about 33mm.	EF	1 CO
114	57.0647	-135.3046	Caught 5 CO between 32- 48mm.	EF	5 CO
115	57.0648	-135.3046	Caught 2 DV. Very low water movement	EF	2 DV
116	57.0649	-135.3046	Caught 3 CO about 25mm and 1 DV about 33mm.	EF	3 CO, 1 DV
117	57.0650	-135.3045	Caught 1 CO about 59mm.	EF	1 CO
118	57.0650	-135.3044	Caught 1 CO about 50mm.	EF	1 CO
119	57.0654	-135.3050	End of survey section. Low water, vegetated channel, somewhat disconnected.		
120	57.0646	-135.3047	Resuming Indian River trib from confluence of small coho laden tributary.		



Figure 1.—113-41-10190-2019-3019 addition map.

Sitka

113-41-10190-2019-3022**ADDITION****Water body name:****Survey date:** 6/21/2012**Water body number:** 113-41-10190-2019-3022**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This small stream provides excellent coho salmon rearing habitat.**Recommendations:** Adding this stream to the AWC (Figure 1).**Nomination:** 12-519

Table 1.–113-41-10190-2019-3022 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
122	57.0648	-135.3037	Electrofished 2 CO about 36 mm.	EF	2 CO
123	57.0654	-135.3032	Electrofished 2 CO between 40-76mm.	EF	2 CO
124	57.0660	-135.3024	Electrofished 1 CO about 55mm and 1 DV about 55mm.	EF	1 CO, 1 DV
125	57.0660	-135.3023	Electrofished 1 CO about 55mm and 1 DV about 45mm.	EF	1 CO, 1 DV
126	57.0662	-135.3021	Electrofished 1 CO about 87 mm.	EF	1 CO
127	57.0662	-135.3020	Electrofished 1 CO about 56mm. Habitat remains very good, little to no gradient, but flow and water level is dropping.	EF	1 CO
128	57.0663	-135.3017	Small tributary enters on river left, little flow, but will try to shock pools.		
129	57.0663	-135.3017	Pocket dial.		
130	57.0663	-135.3013	Electrofished 1 DV about 38mm.	EF	1 DV
131	57.0661	-135.3006	Calling it the top. Vegetated channel with little to no flow, turns into a marsh except during high flows possible.		
132	57.0665	-135.3015	Stream becomes disconnected chain of pools. Discontinuing electrofishing.		
133	57.0667	-135.3010	Calling it on this tributary. There is little flow left.		

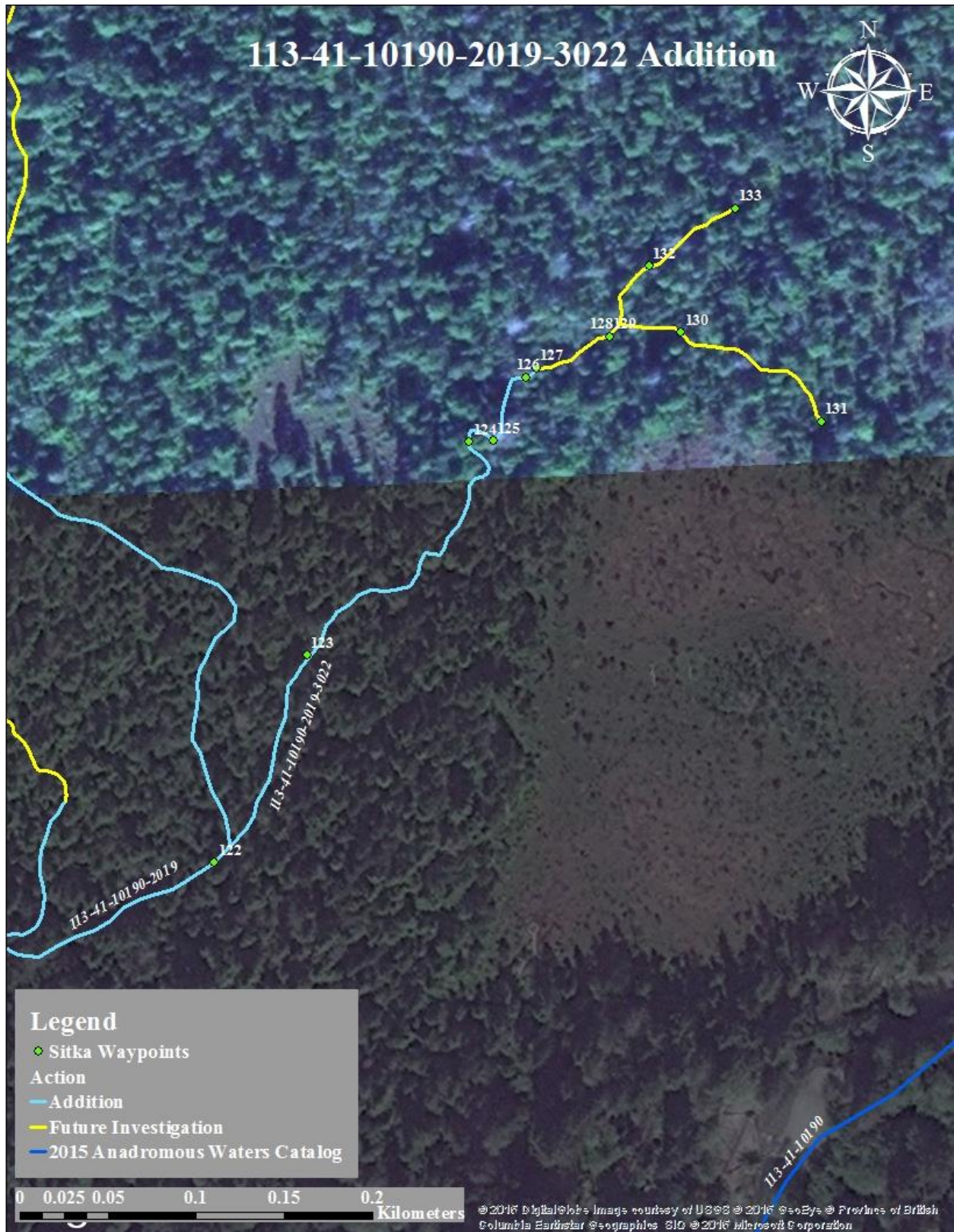


Figure 1.—113-41-10190-2019-3022 addition map.

Sitka

113-41-10190-2022**ADDITION****Water body name:****Survey date:** 6/20/2012**Water body number:** 113-41-10190-2022**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho and Dolly Varden char rearing habitat.**Recommendations:** Adding this stream to the AWC (Figure 1).**Nomination:** 12-528

Table 1.–113-41-10190-2022 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
55	57.0650	-135.2961	Tributary enters on river left. Small tributary with more tannic water, low gradient at confluence. Looks steeper upstream. Captured 1 CO about 45mm and 3 DV between 45-55mm.	EF	1 CO, 3 DV
56	57.0651	-135.2961	Caught 1 CO about 45mm. Odd parmarks on coho.	EF	1 CO
57	57.0651	-135.2961	Pocket dial.		
58	57.0652	-135.2960	Caught 2 DV about 75mm.	EF	2 DV
59	57.0652	-135.2958	Caught 2 DV between 45-65mm.	EF	2 DV
60	57.0651	-135.2950	Caught 2 DV between 60-80mm.	EF	2 DV
61	57.0647	-135.2947	Calling it the top, gradient steadily increasing and many narrow incised bedrock waterfalls with few resting holes.		

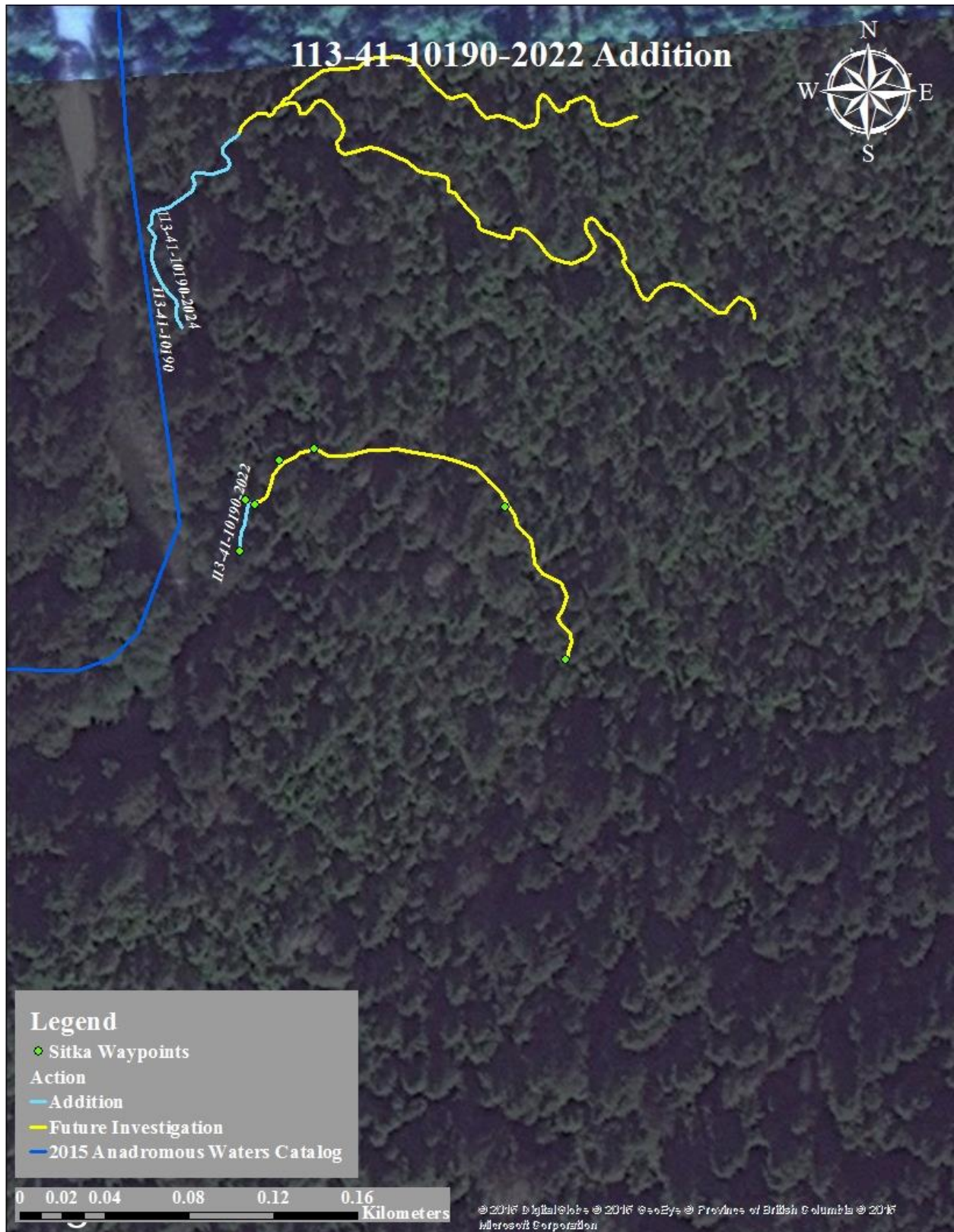


Figure 1.—113-41-10190-2022 addition map.

Sitka

113-41-10190-2024**ADDITION****Water body name:****Survey date:** 6/20/2012**Water body number:** 113-41-10190-2024**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho and Dolly Varden char rearing habitat.**Recommendations:** Adding this stream to the AWC (Figure 1).**Nomination:** 12-527

Table 1.–113-41-10190-2024 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
62	57.0655	-135.2964	Tributary enters on river left.		
63	57.0658	-135.2965	Habitat looks good, low gradient, many pools. Caught 3 CO between 35-45mm and 1 DV.	EF	3 CO, 1 DV
64	57.0658	-135.2963	Caught 3 DV between 35-60mm.	EF	3 DV
65	57.0659	-135.2961		EF	1 CO, 1 DV
66	57.0660	-135.2961	Tributary enters on river right.		
67	57.0660	-135.2960	Captured 2 DV between 30-40mm.	EF	2 DV
68	57.0661	-135.2958	Captured 2 DV between 50-60mm.	EF	2 DV
69	57.0661	-135.2956	Electrofished 1 DV about 40mm. Habitat quality decreasing, more gradient, less water flow.	EF	1 DV
70	57.0661	-135.2954	Captured 2 DV between 35-55mm.	EF	2 DV
71	57.0660	-135.2952	Captured 3 DV between 35-40mm.	EF	3 DV
72	57.0660	-135.2950	Captured 2 DV about 45mm. Gradient has leveled out, but no CO since it branched off.	EF	2 DV
73	57.0660	-135.2948	Captured 2 DV between 35-50mm.	EF	2 DV
74	57.0660	-135.2945	Calling it the top. Steep gradient, channelized, no CO since tributary forked, returning to mainsteam of tributary.		
75	57.0660	-135.2959	Electrofished 2 DV between 60-65mm.	EF	2 DV

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
76	57.0660	-135.2957	Captured 1 DV about 40mm. Beautiful habitat, many large undercut banks, not very much flow through.	EF	1 DV
77	57.0659	-135.2955	Captured 2 DV between 35-45mm.	EF	2 DV
78	57.0657	-135.2950	Captured 2 DV between 70-100mm. Stream becoming narrower, still no barrier.	EF	2 DV
79	57.0657	-135.2946	Captured 2 DV between 50-60mm. Near top of upper extent of fishable habitat.	EF	2 DV
80	57.0657	-135.2945	Captured 1 DV about 45mm.	EF	1 DV
81	57.0656	-135.2944	Captured 1 DV about 39mm.	EF	1 DV
82	57.0655	-135.2939	Calling it the top of our survey, flow goes subsurface, no sight or sound of salmonids other than dollies for a long time. Very low flow.		



Figure 1.—113-41-10190-2024 addition map.

Sitka

Sitka

113-41-10190-2030-3017**ADDITION****Water body name:****Survey date:** 6/29/2012**Water body number:** 113-41-10190-2030-3017**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed 113-41-10190-2030-3017 using a backpack electrofisher and GPS (Table 1). We captured rearing coho salmon and Dolly Varden char.**Recommendations:** Add stream to the AWC (Figure 1).**Nomination:** 15-560

Table 1.–113-41-10190-2030-3017 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
207	57.0812	-135.2620	Start tracking large tributary on river right.		
208	57.0810	-135.2601	Tributary of a tributary entering river right.		
209	57.0810	-135.2597	Electrofished caught 2 CO between 35-40mm.	EF	2 CO
210	57.0810	-135.2592	Electrofished and caught 1 DV.	EF	1 DV
211	57.0809	-135.2592	Electrofished and caught 2 CO and 1 DV. Tributary branches.		2 CO, 1 DV
212	57.0809	-135.2589	Electrofished and caught 1 CO and 1 DV.	EF	1 CO, 1 DV
213	57.0810	-135.2588	Electrofished and caught many CO between 45-55mm and 1 DV. Side channel.	EF	CO, 1 DV
214	57.0810	-135.2586	Electrofished and caught many CO and visual on DV.	EF	CO, DV
215	57.0810	-135.2583	Trail crossing.		
216	57.0810	-135.2575	Electrofished and caught 1 DV.	EF	1 DV
217	57.0810	-135.2572	Visual identification of 2 CO about 35mm.	VI	2 CO
218	57.0812	-135.2569	Tributary branches.		
219	57.0813	-135.2563	Another side channel.		
220	57.0812	-135.2561	Tributary branches, possible trib/side channel.		
221	57.0812	-135.2558	End of water, dry channel with large cobblestones. River left branch (ref wpt 220) parallels closely, ends in a similar location, and creates a large mossy marshy area.		



Figure 1.—113-41-10190-2030-3017 addition map.

Sitka

113-41-10190-2030-3012**ADDITION****Water body name:****Survey date:** 6/27/2012**Water body number:** 113-41-10190-2030-3012**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho and Dolly Varden char rearing habitat.**Recommendations:** Add this stream to the AWC (Figure 1).**Nomination:** 12-531

Table 1.—113-41-10190-2030-3012 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
39	57.0790	-135.2738	Tributary entering river left.		
40	57.0791	-135.2736	Tributary entering river left.		
41	57.0791	-135.2734	Electrofished and got 1 DV about 50mm.	EF	1 DV
42	57.0791	-135.2731	Foot trail crosses stream.		
47	57.0792	-135.2729	Electrofished and got 2 CO about 25mm and 1 DV about 35mm.	EF	2 CO, 1 DV
48	57.0797	-135.2723	Electrofished and got 1 CO about 20mm and 1 DV about 25mm.	EF	1 CO, 1 DV
49	57.0796	-135.2718	Tributary entering river right.		
50	57.0797	-135.2715	Electrofished and got 2 DV about 40mm.	EF	2 DV
52	57.0796	-135.2714	Electrofished and got 2 DV about 35mm.	EF	2 DV
53	57.0798	-135.2706	Foot trail crosses.		
54	57.0797	-135.2705	Tributary entering river left. Electrofished confluence and got 2 DV about 45 mm.	EF	2 DV
56	57.0798	-135.2701	Electrofished and got 1 DV about 55mm.	EF	1 DV
57	57.0799	-135.2694	Electrofished and got 1 DV about 55mm. Also where tributary crosses the foot trail once more.	EF	1 DV

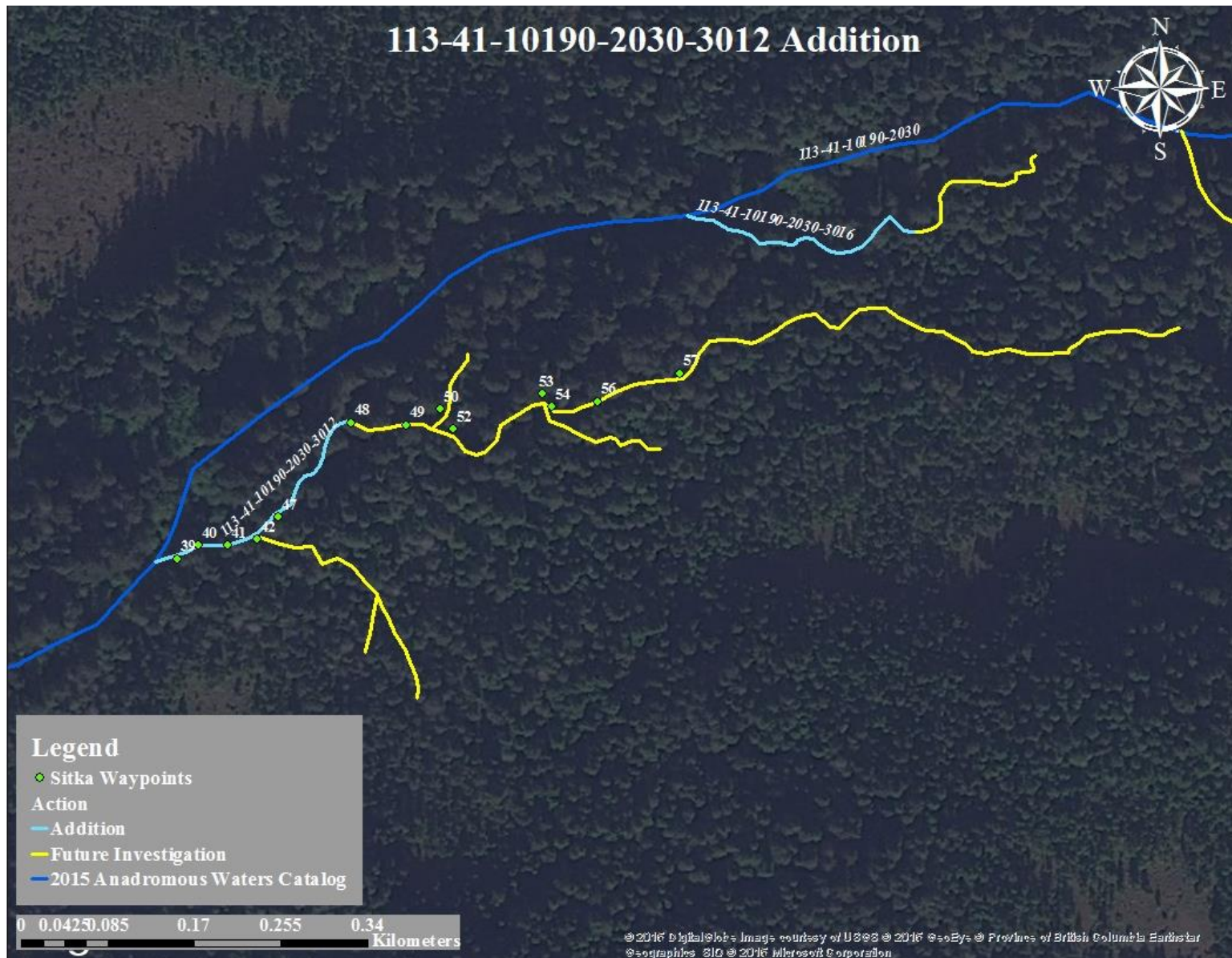


Figure 1.—113-41-10190-2030-3012 addition map.

Sitka

113-41-10190-2030-3016**ADDITION****Water body name:****Survey date:** 6/27/2012**Water body number:** 113-41-10190-2030-3016**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We survey this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho salmon and Dolly Varden char rearing habitat.**Recommendations:** Add this stream to the AWC (Figure 1).**Nomination:** 12-546

Table 1.—113-41-10190-2030-3016 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
196	57.0806	-135.2690	Beginning of tributary.		
197	57.0805	-135.2683	Caught 1 CO, 1 DV.	EF	1 CO, 1 DV
198	57.0805	-135.2678	Caught 1 CO.	EF	1 CO
199	57.0806	-135.2673	Caught 1 CO, 2 DV	EF	1 CO, 2 DV
200	57.0808	-135.2667	Trail crossing, and branch of tributary. River right branch parallels trail for a while, river left branch goes under bridge and continues.		
201	57.0809	-135.2663	End of branch, efished, caught 1 DV.	EF	1 DV

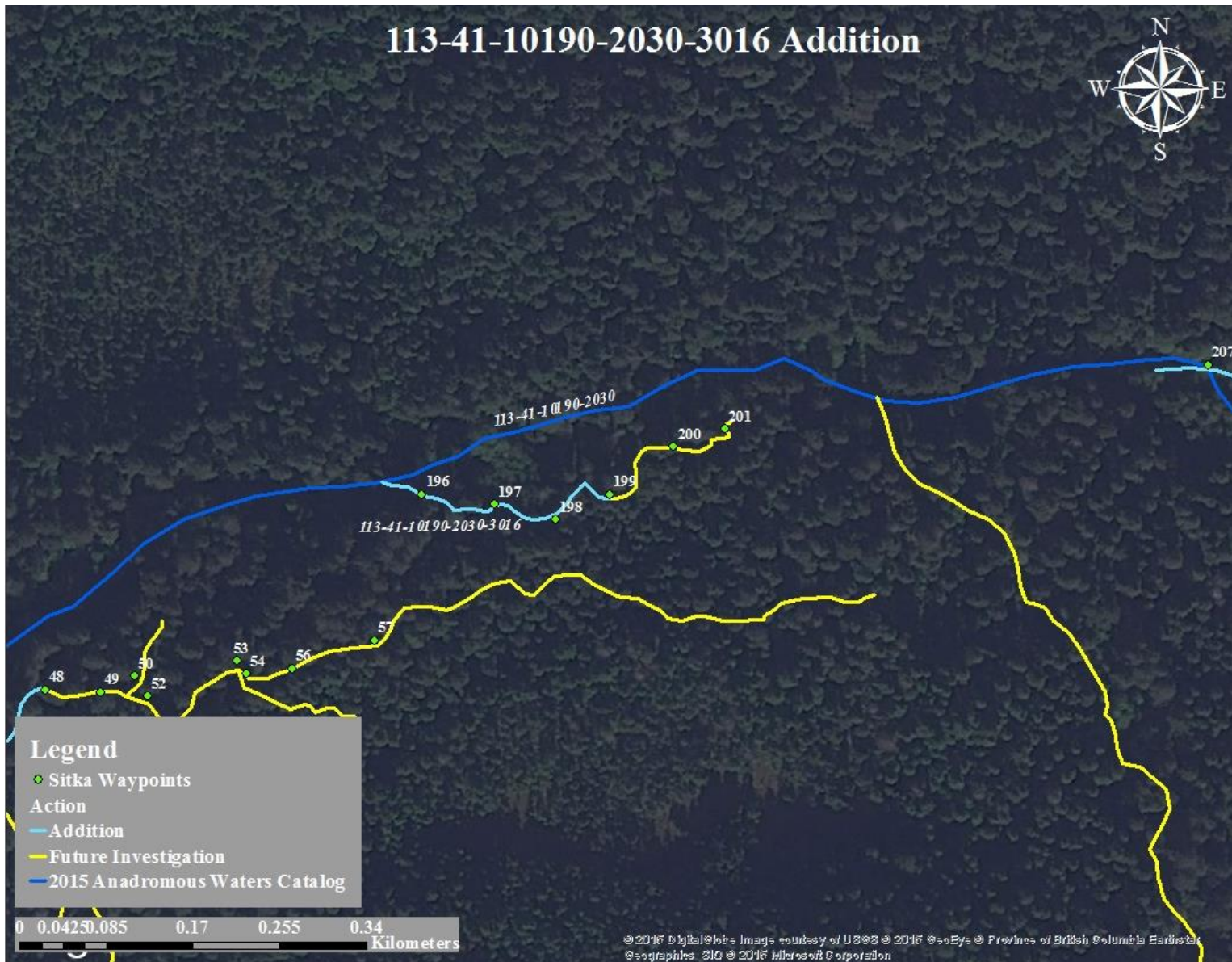


Figure 1.—113-41-10190-2030-3016 addition map.

Sitka

113-41-10190-2033**ADDITION****Water body name:****Survey date:** 6/25/2012**Water body number:** 113-41-10190-2033**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho salmon and Dolly Varden char rearing habitat.**Recommendations:** Adding this stream course to the AWC (Figure 1).**Nomination:** 12-580

Table 1.—113-41-10190-2033 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
116	57.0779	-135.2902	Tributary entering river right. Electrofished mouth and got 2 CO about 35mm.	EF	2 CO
117	57.0781	-135.2900	Electrofished and got 5 DV between 35-50mm.	EF	5 DV
118	57.0783	-135.2899	Electrofished and got 3 DV between 30-40mm and 1 CO about 40mm.	EF	1 CO, 3 DV
119	57.0785	-135.2905	Electrofished and got 2 DV about 35mm.	EF	2 DV
120	57.0787	-135.2906	Electrofished and got 3 DV between 30-35mm.	EF	3 DV
121	57.0787	-135.2912	Top of tributary. Good enough barrier, the pool at the base does not provide enough depth for jumping. Electrofished and got 2 DV between 30-40mm.	EF	2 DV

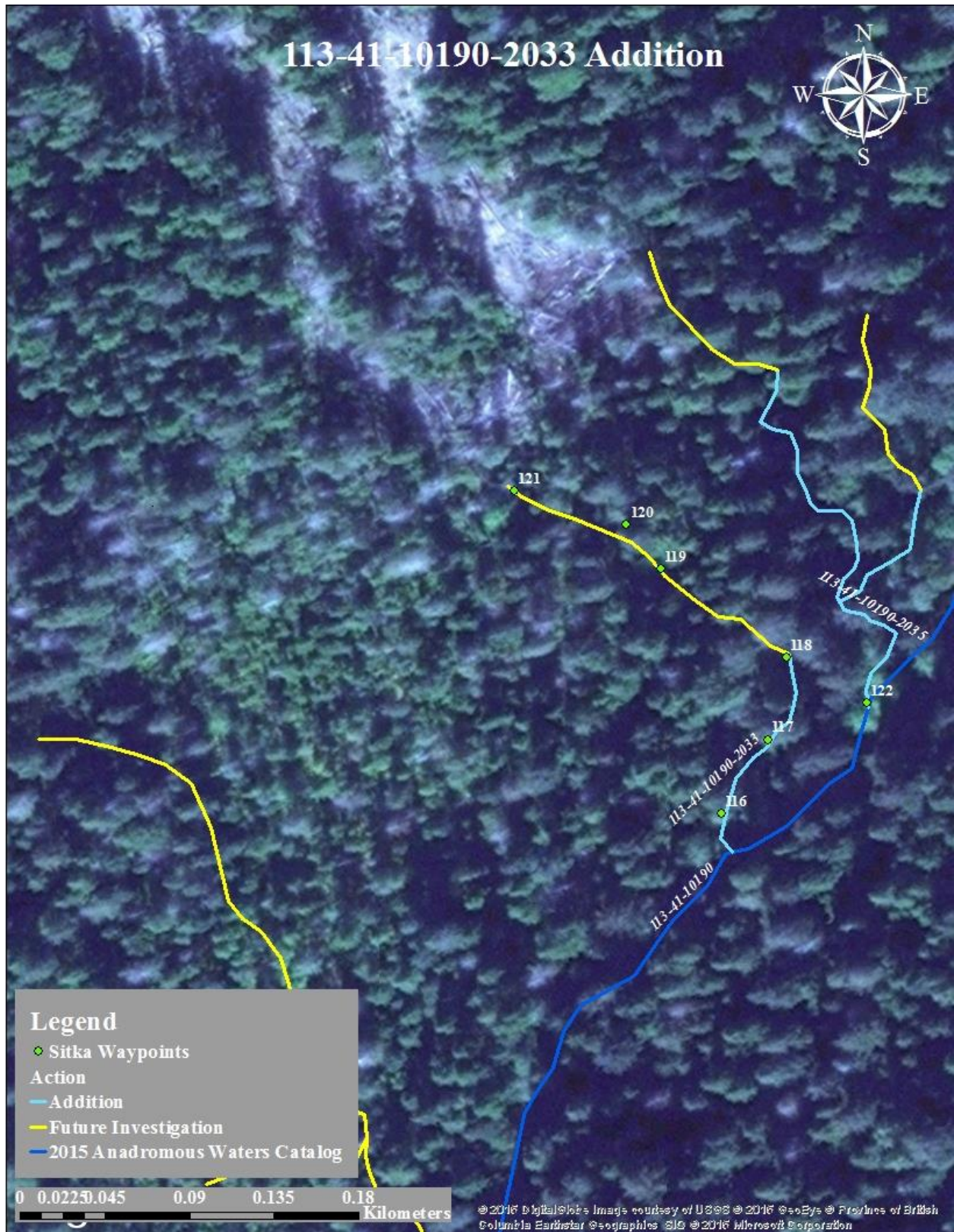


Figure 1.—113-41-10190-2033 addition map.

Sitka

113-41-10190-2035**ADDITION****Water body name:****Survey date:** 6/25/2012**Water body number:** 113-41-10190-2035**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho and Dolly Varden char rearing habitat.**Recommendations:** Add this stream to the AWC (Figure 1).**Nomination:** 12-582

Table 1.–113-41-10190-2035 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
122	57.0782	-135.2895	Mouth of tributary entering river right. Electrofished and got 2 CO about 25mm and 2 DV between 20-30mm. The stream has large iron flakes and is really stained because of iron. There is an iron stain on rocks for a ways.	EF	2 CO, 2 DV
123	57.0785	-135.2896	Electrofished and got 2 CO about 35mm.	EF	2 CO, 2 DV
124	57.0786	-135.2896	Electrofished and got 1 CO about 40mm.	EF	1 CO
125	57.0791	-135.2899	Electrofished and got 1 CO about 30mm.	EF	1 CO
126	57.0792	-135.2903	Electrofished and got 1 DV about 35mm.	EF	1 DV
127	57.0794	-135.2905	Calling the top of the tributary. The stream braids out in a skunk cabbage patch and does not really have a defined channel.		

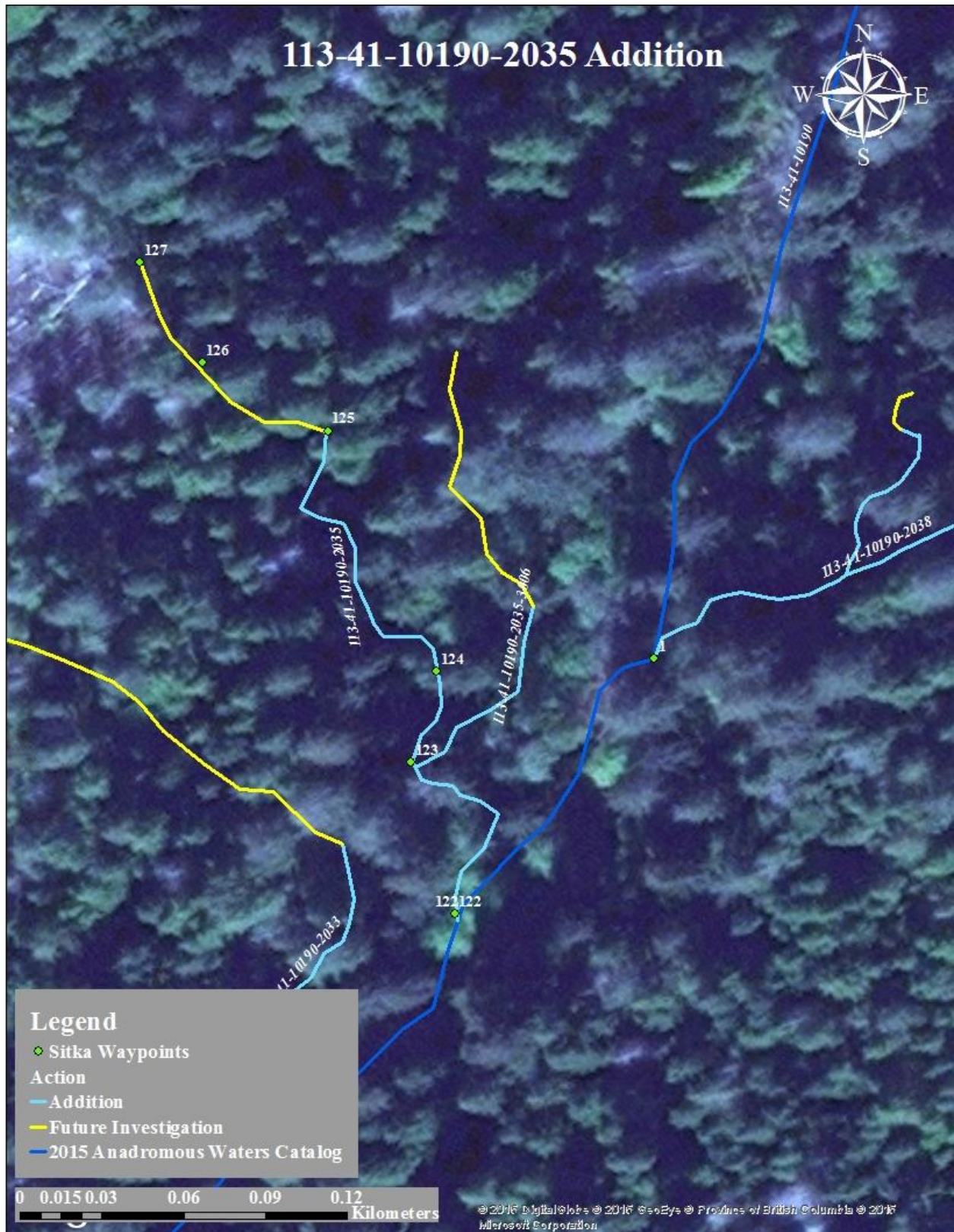


Figure 1.—113-41-10190-2035 addition map.

Sitka

113-41-10190-2035-3006**ADDITION****Water body name:****Survey date:** 6/25/2012**Water body number:** 113-41-10190-2035-3006**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho salmon and Dolly Varden char rearing habitat.**Recommendations:** Add this stream to the AWC (Figure 1).**Nomination:** 12-582

Table 1.–113-41-10190-2035-3006 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
123	57.0785	-135.2896	Electrofished and got 2 CO about 35mm.	EF	2 CO
128	57.0787	-135.2892	Electrofished and got 2 CO between 35-40mm.	EF	2 CO
129	57.0790	-135.2895	Electrofished and got 2 DV between 25-40mm.	EF	2 DV
130	57.0792	-135.2895	Top of the tributary. The water is just bubbling up out of ground.		

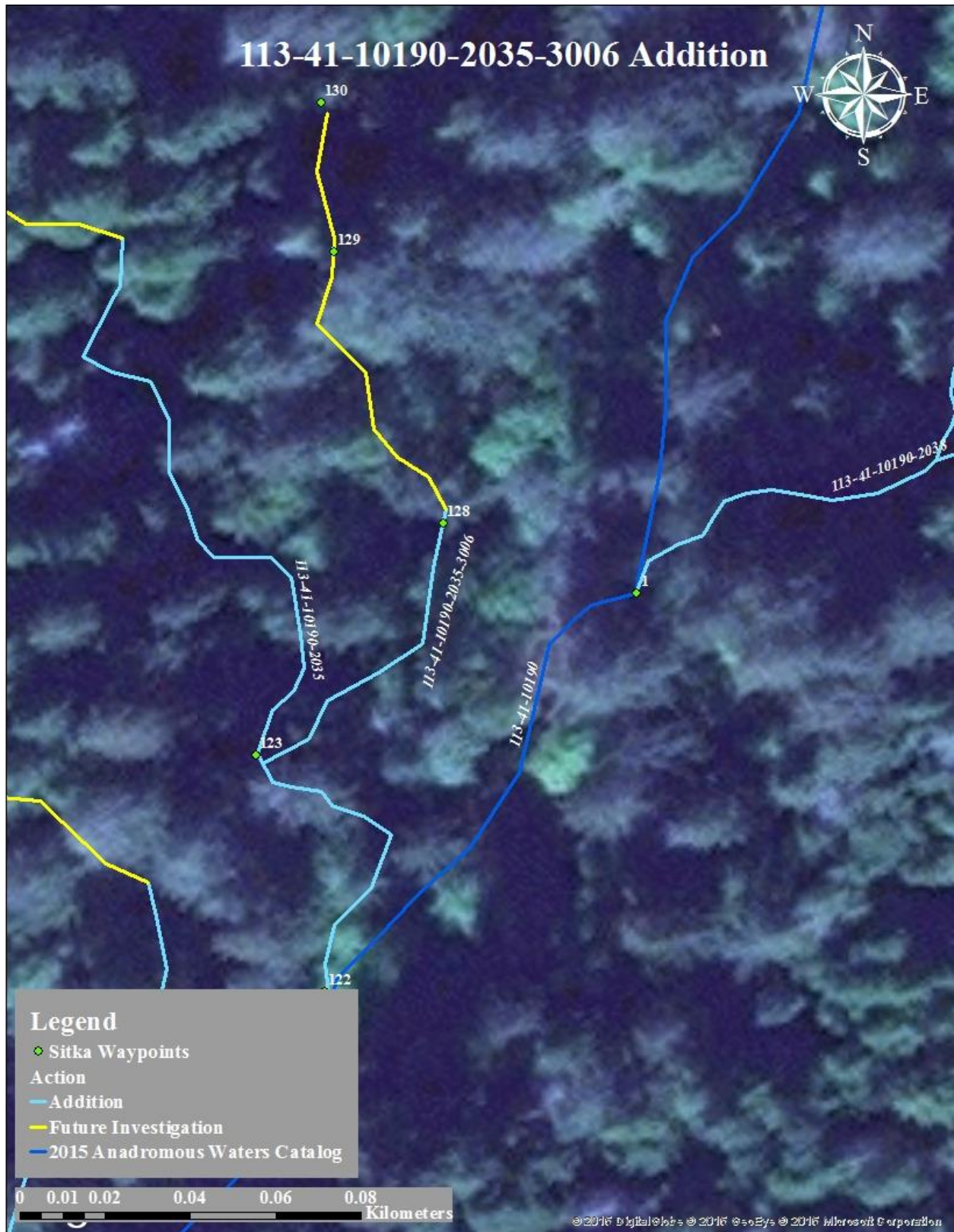


Figure 1.—113-41-10190-2035-3006 addition map.

113-41-10190-2038**ADDITION****Water body name:****Survey date:** 6/26/2012**Water body number:** 113-41-10190-2038**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S064E **Quad:** Sitka A-4

Findings: We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary to the Indian River provides excellent coho salmon and Dolly Varden char rearing habitat.

Recommendations: Add this stream to the AWC (Figure 1).

Nomination: 12-525

Table 1.–113-41-10190-2038 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	57.0787	-135.2888	Confluence of two major streams in the mainstem, about half the water comes from river right.		
2	57.0788	-135.2882	Tributary entering on river right.		
6	57.0790	-135.2872	Tributary entering on river right.		
8	57.0795	-135.2861	Sidepool off mainstem, very calm, good rearing CO habitat, electrofished and caught 3 CO.	EF	3 CO
9	57.0797	-135.2857	Tributary entering on river right.		
12	57.0801	-135.2844	Electrofished rootwad in middle of mainstem, 2 CO.	EF	2 CO
13	57.0806	-135.2832	Tributary entering on river right.		
27	57.0808	-135.2823	Beginning of tributary that we started tracking partway up.		
25	57.0813	-135.2822	Tributary entering on river left.		
17	57.0815	-135.2825	Beginning of side channel/trib (used to be a side channel, tree fell, cut off flow ~10ft, will probably be a side channel at higher water.		
18	57.0821	-135.2821	Tributary entering at river right.		
20	57.0836	-135.2799	Electrofished and caught 1 DV.	EF	1 DV
21	57.0837	-135.2797	Electrofished and caught 1 DV.	EF	1 DV
22	57.0837	-135.2796	Branch entering on river right.		
23	57.0839	-135.2801	End of channel, mossy seep		

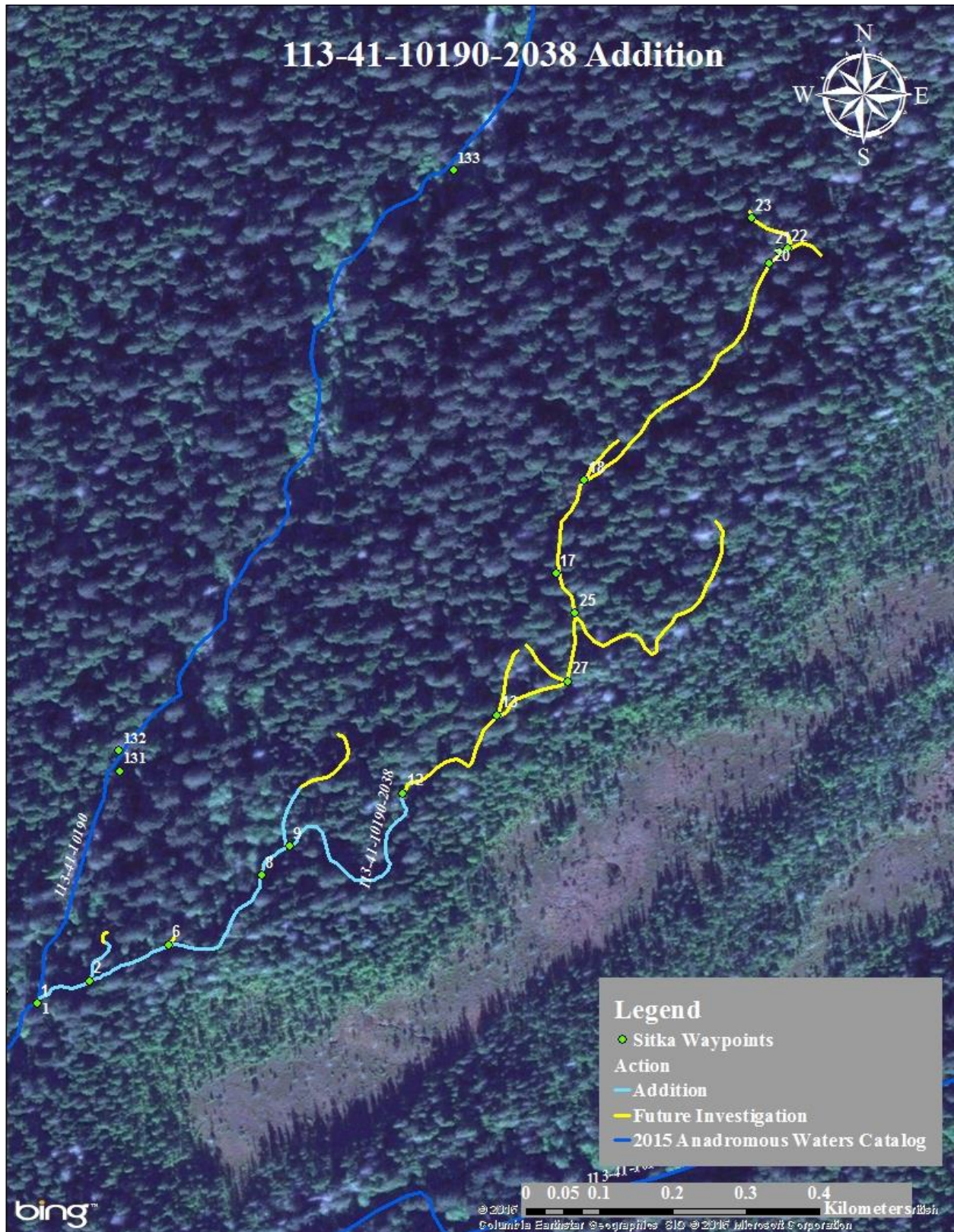


Figure 1.—113-41-10190-2038 addition map.

Sitka

113-41-10190-2038-3007**ADDITION****Water body name:****Survey date:** 6/26/2012**Water body number:** 113-41-10190-2038-3007**Species & Lifestage:** CO**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C055S063E **Quad:** Sitka A-4**Findings:** We surveyed this tributary using a backpack electrofisher and GPS (Table 1). This low gradient tributary provides coho salmon and Dolly Varden char rearing habitat.**Recommendations:** Add this stream to the AWC (Figure 1).**Nomination:** 12-526

Table 1.–113-41-10190-2038-3007 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
9	57.0797	-135.2857	Tributary entering on river right.		
10	57.0801	-135.2856	Electrofished and caught 2 CO.	EF	2 CO
11	57.0804	-135.2852	Tributary ends in disconnected pools. Electrofished last large pool, good rearing habitat, caught 1 DV.	EF	1 DV

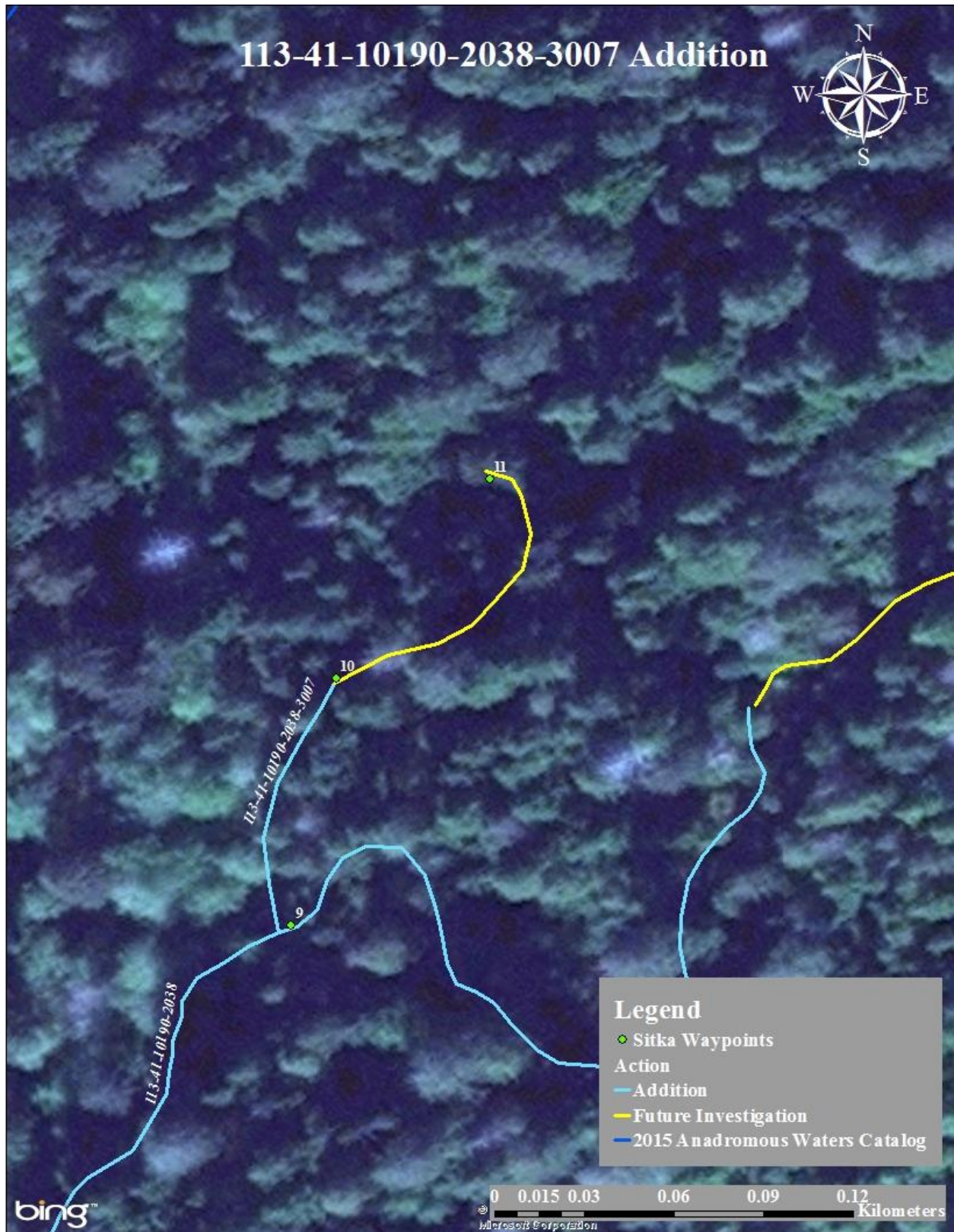


Figure 1.—113-41-10190-2038-3007 addition map.

Sitka

113-41-10200**CORRECTION****Water body name:** Thimbleberry Creek**Survey date:** 6/30/2012**Water body number:** 113-41-10200**Species & Lifestage:** CHp, COp, Pp**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C056S064E **Quad:** Sitka A-4**Findings:** We surveyed Thimbleberry Creek using a backpack electrofisher and GPS (Table 1). We captured rearing coho salmon, pink salmon and Dolly Varden char.**Recommendations:** Correct the current route in the AWC (Figure 1).**Nomination:** 16-532

Table 1.—113-41-10200 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
135	57.0386	-135.2651	Mouth of creek, MK spoke with resident. Humpys run in the fall.		
136	57.0393	-135.2642	Culvert running under private drive. Fished pool below culvert. Caught 1 CO about 35mm and 1 pink fry.	EF	1 CO, 1 P
137	57.0395	-135.2642	Caught 2 pink fry and 1 CO in pool about 50' from the culvert.	EF	1 CO, 2 P
138	57.0396	-135.2642	2 CO about 70mm.	EF	2 CO
139	57.0398	-135.2641	Caught pink fry, watched several emerge from the gravel.	EF	P
140	57.0399	-135.2640	Possible barrier at low flows, will fish above. Pinks in pool above.		P
141	57.0402	-135.2640	Gradient begins to increase, creek now running through small canyon. DV in pool above gradient change about 150mm.	EF	1 DV
142	57.0404	-135.2639	1 CO about 80mm in deep pool. Visual on about 10 other salmonids.	EF	1 CO
143	57.0404	-135.2639	1 CO about 85mm.	EF	1 CO
144	57.0405	-135.2638	Tributary river right. Caught 1 DV about 100mm. 20' from confluence.	EF	1 DV
145	57.0407	-135.2642	DV in tributary about 100mm.	EF	1 DV
146	57.0407	-135.2643	Upper extent of tributary, one DV in pool at top. Tributary goes subsurface here.	EF	1 DV

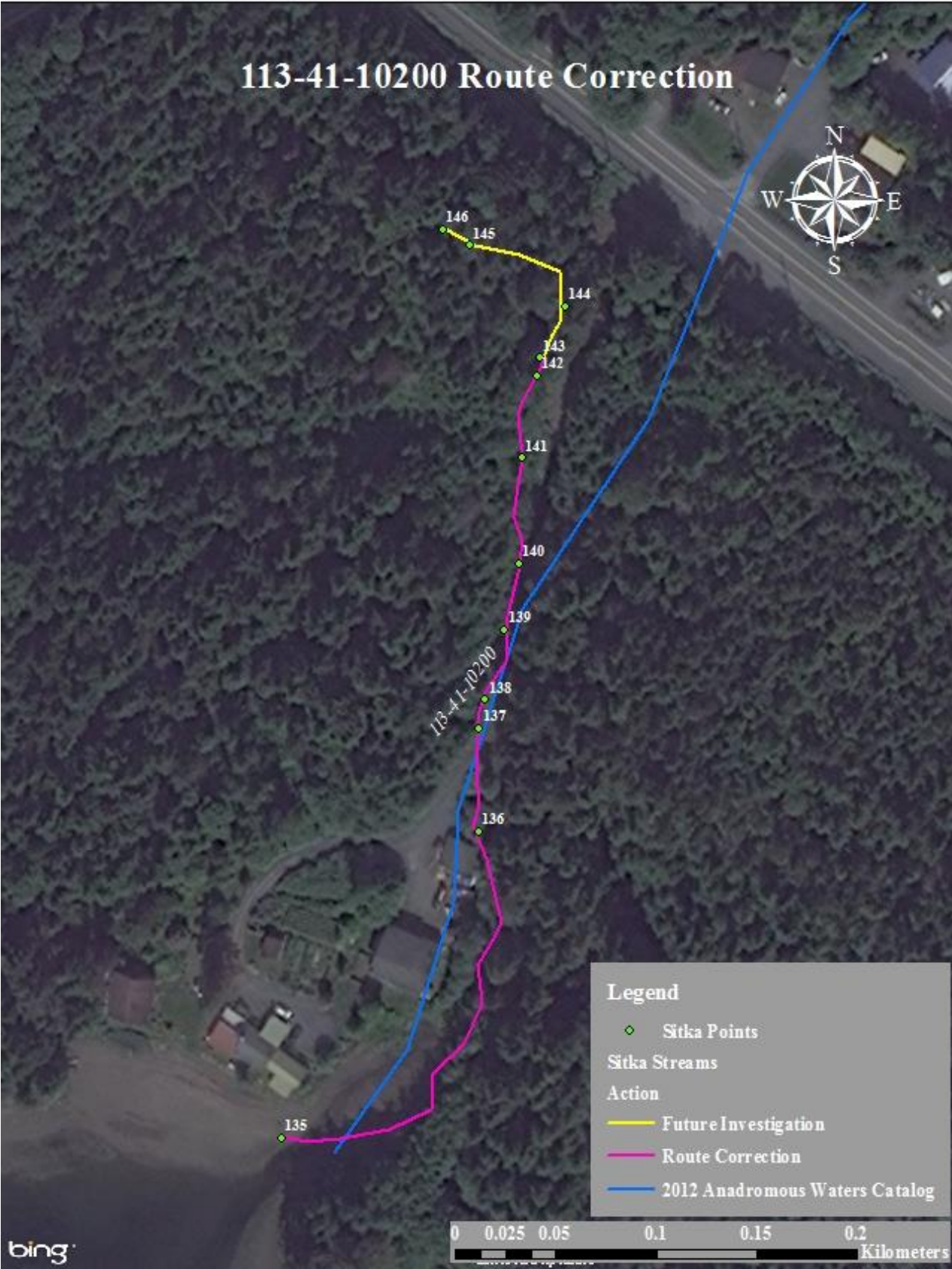


Figure 1.-113-41-10200 route correction map.

Sitka

113-41-10203**CORRECTION****Water body name:** Thumbleberry**Survey date:** 5/5/2012**Water body number:** 113-41-10203**Species & Lifestage:** CHp,COp,Pp**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C056S064E **Quad:** Sitka A-5

Findings: This stream is NOT Thumbleberry Creek. We surveyed this stream using a backpack electrofisher and GPS (Table 1). This stream terminates at an enormous cascading waterfall just above the road before it passes through a large bedded culvert under Sawmill Creek road. Waypoint 27 was taken at the inlet of the culvert.

Recommendations: This stream's route and upper limit should be updated in the AWC to reflect findings in the field (Figure 1).

Nomination: 12-579

Table 1.—113-41-10203 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
33	57.0356	-135.2576	Mouth of Thumbleberry Creek.		
31	57.0370	-135.2568	Tributary enters on river left. Captured 1 CO about 85mm.	EF	1 CO
30	57.0371	-135.2569	Another bridge high above stream.		
29	57.0378	-135.2566	Tributary enters on river left. Plastic corrugated culver feeds from under road.	EF	No Fish
28	57.0381	-135.2568	Wooden bridge for vehicles. Rip rap squeezes channel a little, but stream has adequate space.		
27	57.0386	-135.2568	Thumbleberry Creek falls about 50-60' cascading waterfall. Goes directly under road after falls through giant embedded culvert.		



Figure 1.—113-41-10203 route correction map.

Sitka

113-41-10240**CORRECTION****Water body name:****Survey date:** 7/2/2012**Water body number:** 113-41-10240**Species & Lifestage:** CHp, COp, Pp, DVP**Watershed:** Eastern Channel-Frontal Sitka Sound**MTR:** C056S064E **Quad:** Sitka A-4**Findings:** We surveyed 113-41-10240 and captured many chum and pink salmon fry using a backpack electrofisher (Table 1). The stream ends at a waterfall that is a barrier to fish passage.**Recommendations:** Correct the current route in the AWC (Figure 1).**Nomination:** 15-559

Table 1.—113-41-10240 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
21	57.0436	-135.2008	Mouth of creek.		
22	57.0438	-135.2000	Creek runs under road through a 48" culvert.		
23	57.0441	-135.2002	Tributary entering on river right.		
24	57.0441	-135.2003	Plethora of pink and chum fry.	EF	CH, P
25	57.0448	-135.2002	Tributary from waypoint 23 is a side channel, this is where it splits from the creek. Large pile of cobble on river right, water flows under.		
26	57.0454	-135.1990	Barrier falls on creek.		



Figure 1.—113-41-10240 route correction map.

Sitka

113-41-10260

CORRECTION

Water body name:

Survey date: 9/14/2016

Watershed: Easter Channel-Frontal Sitka Sound

Species & Lifestage: CHpCOpPp

MTR: C056S064 **Quad:** Sitka A-4

Findings: Karl Wolfe of Wolfe Outdoor Services surveyed this stream with a GPS and observed 5 chum salmon and 21 pink salmon between the stream mouth and Green Lake Road (Table 1; Figures 1, 2). He also observed 16 chum salmon carcasses and 5 pink salmon carcasses. Karl observed suitable pink and chum salmon spawning habitat near the stream mouth; upstream of the mouth, large angular substrate and discontinuous ephemeral water flow preclude successful salmon spawning.

Recommendations: Correct the stream route and reduce the upper extent to below the road (Figure 3).

Nomination: 17-500

Table 1.–113-41-10260 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	57.0246	-135.1770	Stream mouth	VI	4-CHp 15-Pp
2	57.0245	-135.1760	Upper extent of fish access	VI	1-CHp 6-Pp



Figure 1.–Upper extent of Stream No. 113-41-10260.



Figure 2.–Upper extent of Stream No. 113-41-10260 and Green Lake Road crossing.

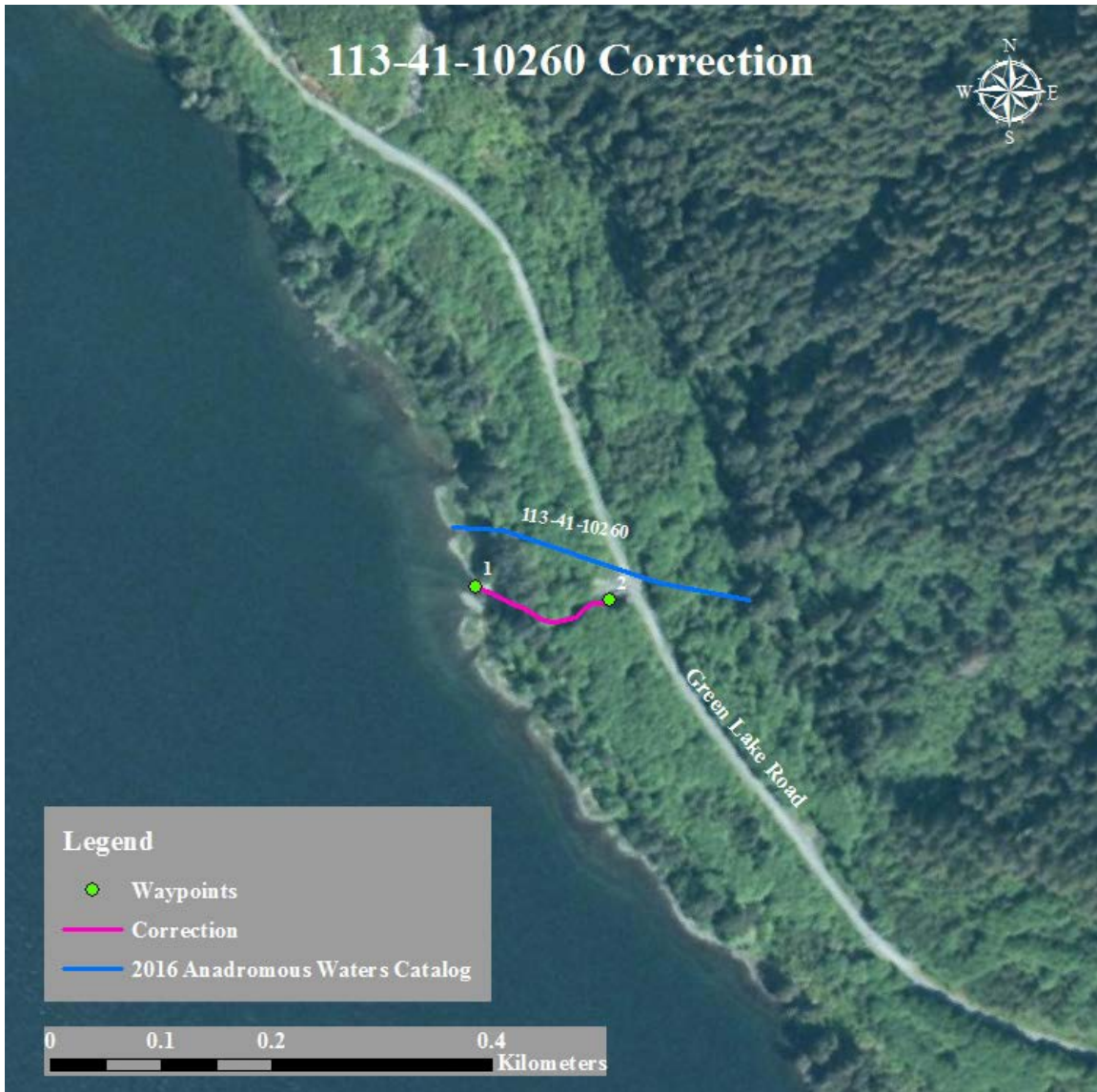


Figure 3.-113-41-10260 correction map.

113-41-10280

CORRECTION

Water body name: Bear Creek

Survey date: 5/26/2016

Water body number: 113-41-10280

Species & Lifestage: CHp, COp, Pp, DVp

Watershed: Eastern Channel-Frontal Sitka Sound

MTR: C056S065E **Quad:** Sitka A-4

Findings: Catalog name is different from local name.

Recommendations: Change name to Medvejie Creek, the name used by locals, the hatchery on the stream, and on ADF&G Fish Habitat Permits for the hatchery on the stream.

Nomination: 15-640

113-41-10284**ADDITION****Water body name:****Survey date:** 7/19/2012**Watershed:** Eastern Channel-Frontal Sitka Sound**Species & Lifestage:** CO**MTR:** C056S064E **Quad:** Sitka A-4**Findings:** Found this stream while driving out to dam and surveyed it using a backpack electrofisher and GPS (Table 1). We captured rearing chum and coho salmon in this stream.**Recommendations:** Add stream to the AWC (Figure 1).**Nomination:** 16-533

Table 1.-113-41-10284 survey data

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
142	57.0136	-135.1479	The mouth of stream going into ocean. Marshy area, have visual of school of salmonids.		
143	57.0137	-135.1475	Handnetted 1 CH about 60mm.	HN	1 CH
144	57.0139	-135.1473	Tributary entering river left.		
145	57.0139	-135.1471	Electrofished, 1 CO about 55mm.	EF	1 CO
147	57.0140	-135.1470	Tributary entering river left.		
149	57.0141	-135.1472	Electrofished, 2 CO between 40-55mm.	EF	2 CO
150	57.0143	-135.1470	Stream ends near road culvert, not much flow and no rest areas for fish before meeting road. Clipping out on other side of the road.		



Figure 1.-113-41-10284 (Herring Cove) addition map.

113-45-10060-2010

ADDITION

Water body name: Shelikof Creek

Survey date: 7/30/2014

Water body number: 113-45-10060-2010

Species & Lifestage: Pp

Watershed: Shelikof Bay-Frontal Pacific Ocean

MTR: C054S061E **Quad:** Sitka A-6

Findings: I conducted a foot survey of this tributary and observed >100 adult pink salmon schooling between the bridge and confluence with Shelikof Creek (Table 1).

Recommendations: Addition of reach downstream of the bridge at waypoint 1 and future investigation of upstream area (Figure 1).

Nomination: 14-731

Table 1.–113-45-10060-2010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	57.1724	-135.6783	6 adult pink salmon at this location. >100 between here and the mainstem.	VI	100 P



Figure 1.—113-45-10060-2010 addition map.

Sitka