Appendix: Juneau

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

Alaska Department of Fish and Game **Division of Habitat**

Symbols and Abbreviations

Survey data codes.

Code	
	Species
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 spp.
SH	steelhead trout (adult)
SB	threespine stickleback
LP	lamprey
	Lifestage
s	spawning
r	rearing
p	presence
	Sampling
EF	electrofish
VI/VL	visual identification
HN	handnet
RS	route survey
MT	minnow trap
BS	beach seine
FN	fyke net

Map color key.

Action	Color
route correction	ginger pink
addition	apatite blue
future investigation	solar yellow
resident fish	poinsettia red
conveyance	lepidolite lilac
AWC	lapis lazuli

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.

JUNEAU STREAM SURVEYS

Juneau, the Alaska state capital, hugs the side of Mounts Juneau and Roberts and is built upon old mine tailings from town's early gold mining days. Although Juneau is one of the nation's largest cities in area,[1] Juneau and its 31,275 residents[2] are the most geographically secluded of any state capital in the country. The city is accessible only by boat or plane, as it is not connected to the state highway system. One main road stretches 45.6 miles from the south at Thane to the north at Echo Cove (Figure 1).

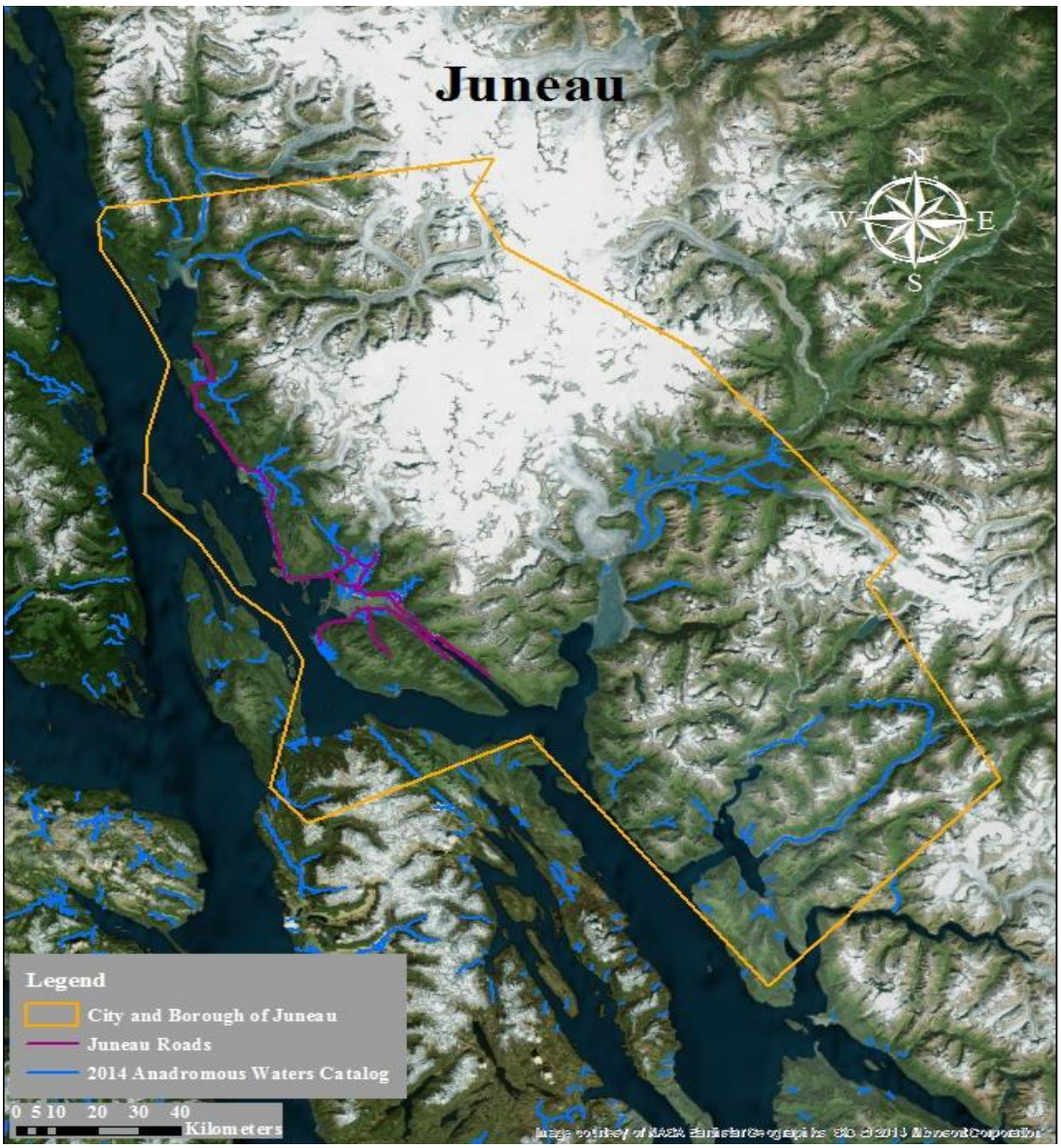

Figure 1.–Juneau map.

[1] U.S. Census Bureau. 2010. Borough/Census area maps for the City and Borough of Juneau. 2010 Census: Alaska demographic profiles. Retrieved from: http://labor.alaska.gov/research/census/borcamaps/5_11_0map.pdf (Accessed August 26, 2013).

[2] U.S. Census Bureau. 2010. Demographic profile for the City and Borough of Juneau. 2010 Census: Alaska demographic profiles. Retrieved from: http://laborstats.alaska.gov/cen/dp.cfm (Accessed August 15, 2013).

111-40-10050 ADDITION

Water body name: West Creek **Survey date:** 8/25/2010
Water body number: 111-40-10050 **Species & Lifestage:** COsr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: This stream was surveyed in August 25, 2010 and in October 10, 2013 using minnow traps, a backpack electrofisher, and a GPS (Table 1). The stream goes through Switzer Village and passes through one culvert that is mangled on one side (Figure 1). During both surveys rearing coho salmon and Dolly Varden char were captured. The spawning colored Dolly Varden char that were captured with hand net were about 12" to 14" long (Figure 2). During the August 25, 2010 survey there was visual identification of pink salmon. The survey ended at a 15' waterfall.
Recommendations: Add stream to AWC (Figure 3). Add coho salmon rearing and pink salmon presence.
Nomination: 14-524

Table 1.–111-40-10050 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
53	58.3564	-134.5226	Bottom of West Creek border of where recent high tides have impacted.		
54	58.3570	-134.5232	Where DOT Creek enters on river right.		
55	58.3573	-134.5238	Main foot trail crosses West Creek.		
56	58.3576	-134.5242	Small channel enters river right, some water from DOT Creek spread out.		
57	58.3576	-134.5239	Wood patch.		
58	58.3576	-134.5237	Foot trail crosses West Creek.		
59	58.3580	-134.5230	Outlet of culvert under Egan Highway.		
8	58.3587	-134.5233	Inlet of culvert under Glacier Highway. There are lots of pinks passing the culvert.		
9	58.3592	-134.5232	Possible barrier to pinks, small falls about 1.5' tall. Pinks stacked below fall, but none above.		
10	58.3594	-134.5232	Setting a minnow trap in a small pool near neighborhood.	MT	4 CO, 20 DV
11	58.3597	-134.5230	Squashed 48" PVC culvert with cut wires running along the bottom. A lot of debris at the inlet of the culvert.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
12	58.3598	-134.5229	Setting a minnow trap in a small pool above culvert inlet.	MT	3 CO, 4 DV
13	58.3602	-134.5227	Top of series of small falls. There were three separate drops of about 2-3'.		
14	58.3607	-134.5224	Setting a minnow trap at a small pool, with some small woody debris.	MT	13 DV
15	58.3614	-134.5223	Large waterfall, from base it is a 18% grade.		
16	58.3617	-134.5228	Another waterfall and from the base it is a 16% grade.		
17	58.3627	-134.5243	Old blown out dam. Setting a minnow trap. Captured 10 DV between 95-130mm.	MT	10 DV
18	58.3628	-134.5244	A 4' waterfall. Setting a minnow trap. Captured 20 DV between 75-120mm.	MT	20 DV
19	58.3629	-134.5247	Another waterfall that is about 4' tall.		
20	58.3633	-134.5258	Big waterfall barrier that is about 15' tall.		

Figure 1.–Mangled culvert in Switzer Village.

Figure 2.–Pair of spawning colored Dolly Varden char.

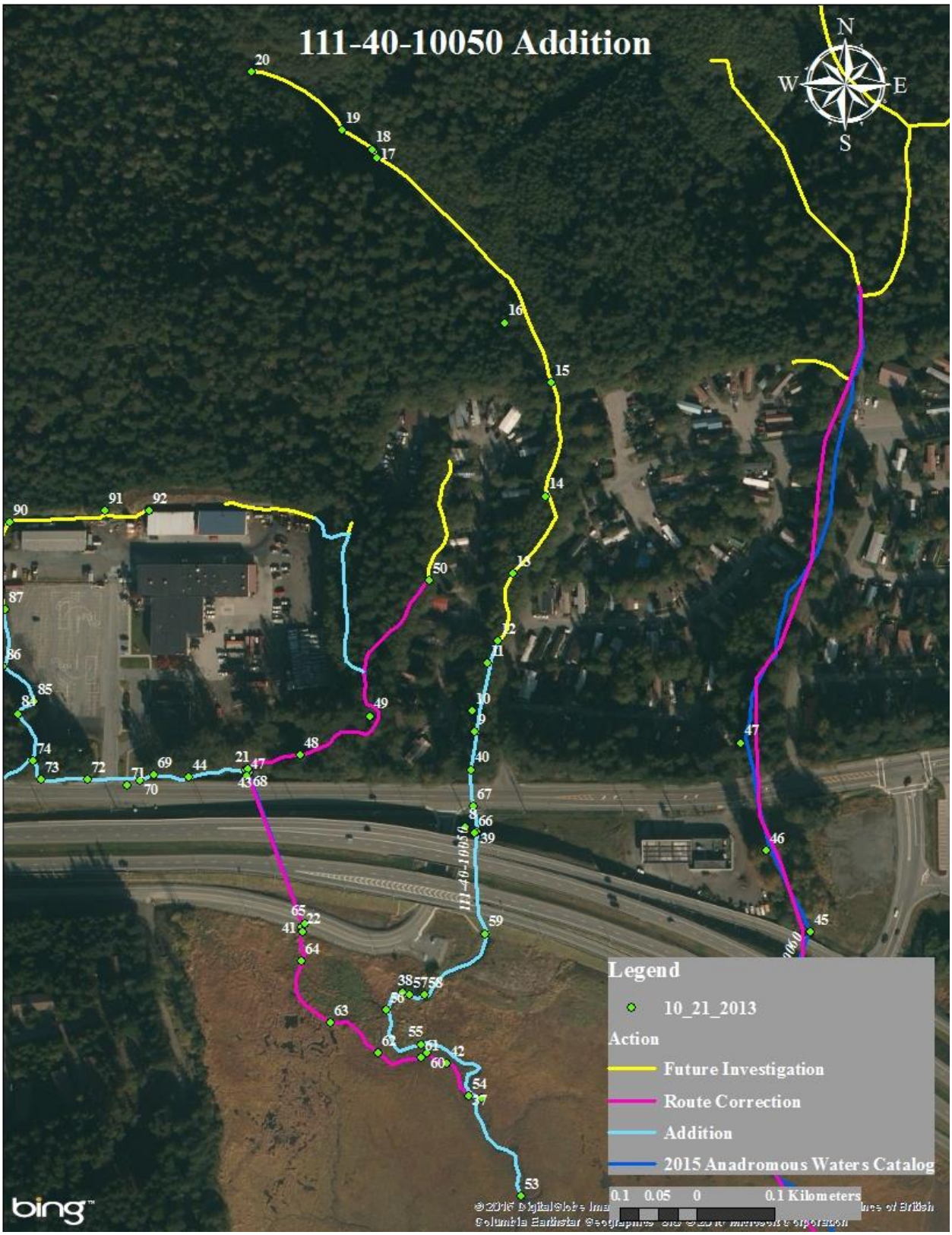

Figure 3.–111-40-10050 addition map.

111-40-10050 CORRECTION

Water body name: West Creek **Survey date:** 8/1/2014
Water body number: 111-40-10050 **Species & Lifestage:** COsr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I observed salmon in this stream, while conducting spawning foot surveys in the area (Table 1). Chum salmon were observed in the stream spawning. Chum salmon were congregated at the Egan Drive culvert outlet and inside the Egan Drive culvert (Figures 1, 2). Three chum salmon were also observed milling in the sediment basin (Figures 3, 4).
Recommendations: Correct the species list to include chum salmon presence and spawning in West Creek.
Nomination: 15-598

Table 1.–111-40-10050 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
59	58.3580	-134.5230	Downstream side of culvert under Egan Highway.		

Figure 1.–Group of chum salmon milling below Egan Drive culvert.

Figure 2.–Underwater picture of milling chum salmon.

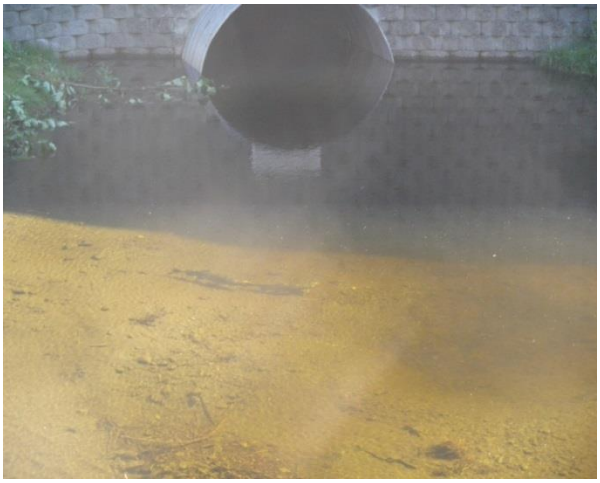

Figure 3.–Pair of chum salmon milling in sediment basin.

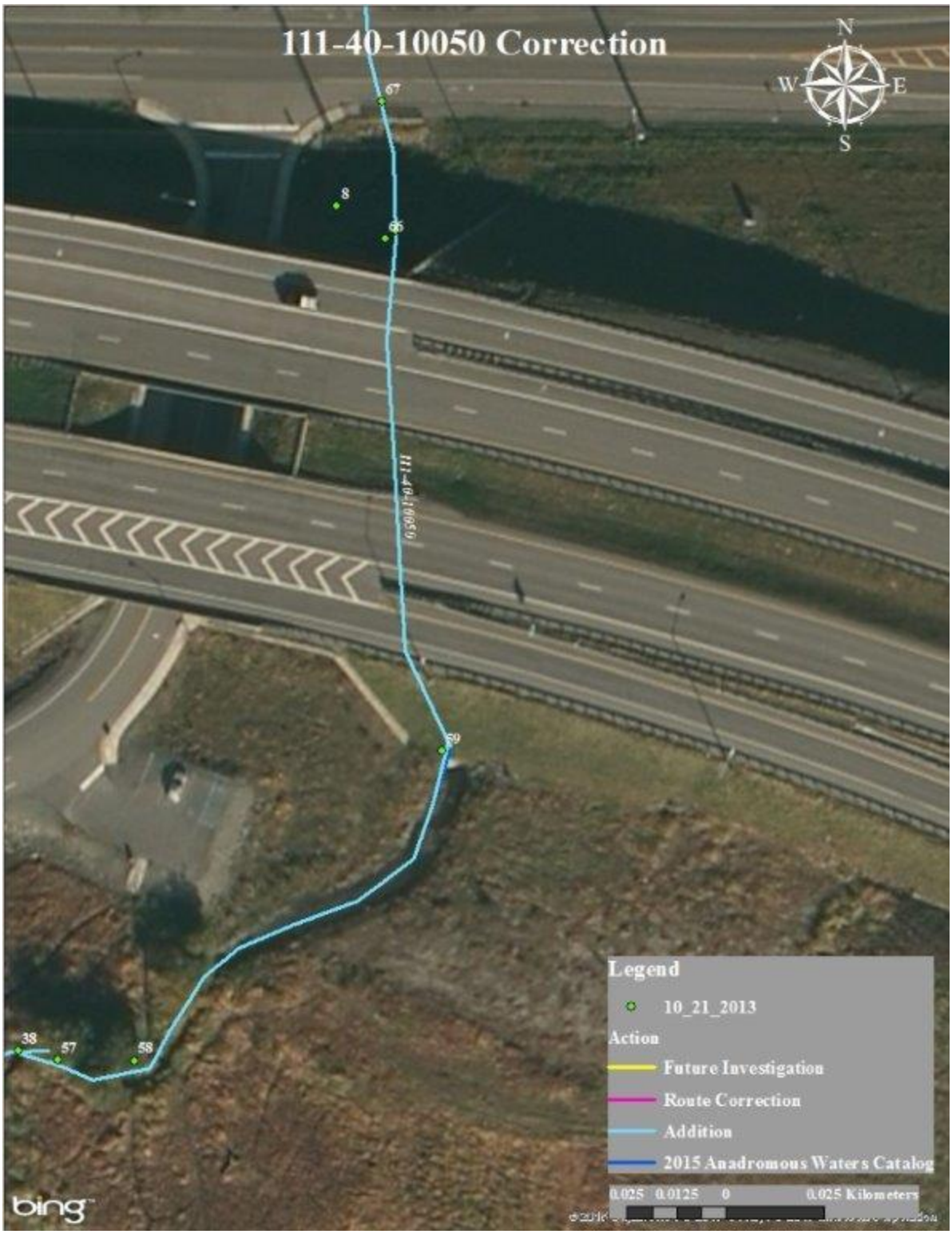

Figure 4.–111-40-10050 correction map.

111-40-10050-2003 CORRECTION

Water body name: DOT Creek **Survey date:** 10/10/2013
Water body number: 111-40-10050-2003 **Species & Lifestage:** COsr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed this stream over the course of two days using a backpack electrofisher and a GPS (Table 1). I captured rearing coho salmon and Dolly Varden char (Figure 1). I captured coho salmon up to a culvert, and only Dolly Varden char above the culvert (Figure 2). I ended the survey at an outlet of a culvert that goes into Switzer Village.
Recommendations: Correct the stream course that is presently in AWC (Figure 3).
Nomination: 14-517

Table 1.–111-40-10050-2003 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
54	58.3570	-134.5232	Where DOT enters on river right.		
60	58.3573	-134.5237	Foot trail crosses here on DOT Creek. Moderately used trail.		
61	58.3573	-134.5238	Main foot trail crosses DOT Creek.		
62	58.3573	-134.5243	DOT Creek spreads out here very wide spread. Has several pools that supply water when enough water.		
63	58.3575	-134.5248	Pools/Ponds.		
64	58.3579	-134.5252	Channel again.		
65	58.3581	-134.5251	Outlet of culvert of DOT Creek, goes under Sunny Point road and continues under Egan Highway.		
66	58.3586	-134.5232	Inlet of culvert for West Creek.		
67	58.3588	-134.5232	Outlet of culvert that goes under Old Glacier Highway. There is some kind of mesh netting here, removed from water.		
68	58.3590	-134.5258	Inlet of culvert of DOT Creek. Also a ditch tributary entering on river right.		
93	58.3592	-134.5252		EF	1 CO, 1 DV
94	58.3591	-134.5251		EF	1 CO, 1 DV
95	58.3593	-134.5248		EF	1 CO, 3 DV
96	58.3593	-134.5247		EF	1 CO, 2 DV
97	58.3592	-134.5244		EF	2 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
98	58.3593	-134.5243		EF	1 CO, 2 DV
99	58.3594	-134.5245	Culvert is perched and enters on river left goes towards housing.	EF	No Fish
100	58.3597	-134.5244		EF	2 CO
101	58.3596	-134.5246	Possible tributary coming in river right, will come back to.	EF	3 DV
102	58.3603	-134.5236		EF	1 DV
103	58.3604	-134.5235	A porch over DOT Creek.		
104	58.3607	-134.5236		EF	1 DV
105	58.3609	-134.5235	DOT creek is coming out of a culvert here. There is also some utility wires coming through culvert. Stopping here, appears to enter private property.	EF	2 DV

Figure 1.–Dolly Varden char and juvenile coho.

Figure 2.–Outlet of culvert at Switzer Village.

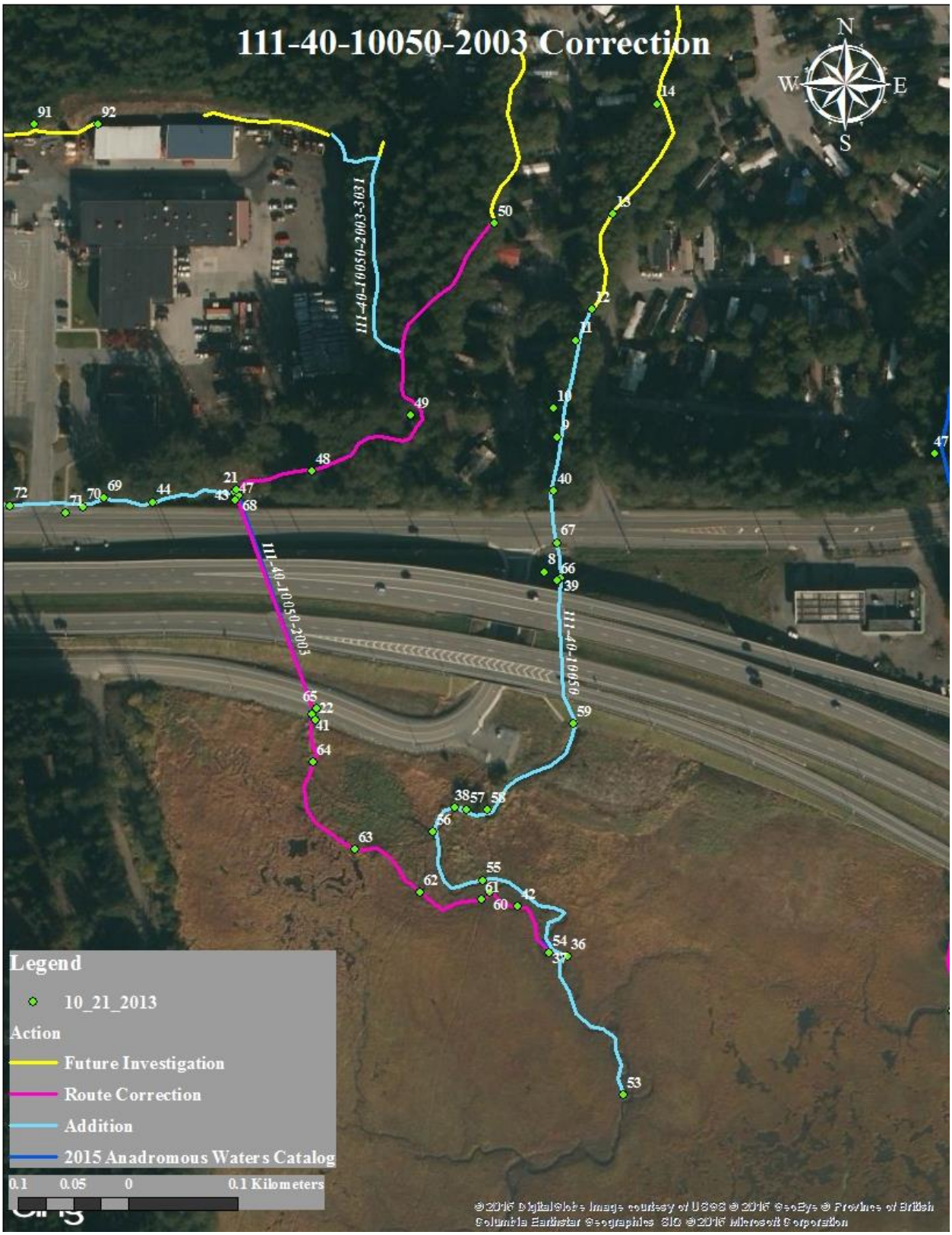

Figure 3.–111-40-10050-2003 correction map.

111-40-10050-2003-3023 ADDITION

Water body name: **Survey date:** 10/10/2013
Water body number: 111-40-10050-2003-3023 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed this tributary of DOT Creek using a backpack electrofisher and a GPS (Table 1). I captured rearing coho salmon and Dolly Varden char in the tributary. The tributary goes through a culvert under the Alaska Department of Transportation (DOT) lot before going behind the property (Figure 1). I ended the survey on the hillside behind DOT; the water is seeping off hillside (Figure 2).
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-519

Table 1.–111-40-10050-2003-3023 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
43	58.3590	-134.5258		MT	33 CO, 41 DV
44	58.3590	-134.5265		MT	15 CO, 5 DV
69	58.3590	-134.5269		EF	1 CO
70	58.3589	-134.5271		EF	1 DV
71	58.3589	-134.5272	Where two culverts come together one from DOT parking lot and other crosses DOT entrance.	EF	
72	58.3590	-134.5277	Inlet of culvert.		
73	58.3590	-134.5282		EF	2 CO
74	58.3591	-134.5283	One was semi-smolty. Water also coming from woods, not a lot but will come back to investigate.	EF	2 CO
85	58.3594	-134.5283		EF	2 CO, 1 DV
86	58.3596	-134.5286		EF	2 CO
87	58.3600	-134.5286		EF	1 CO

Figure 1.–Culvert outlet on DOT property.

Figure 2.–Water seeping off hillside.

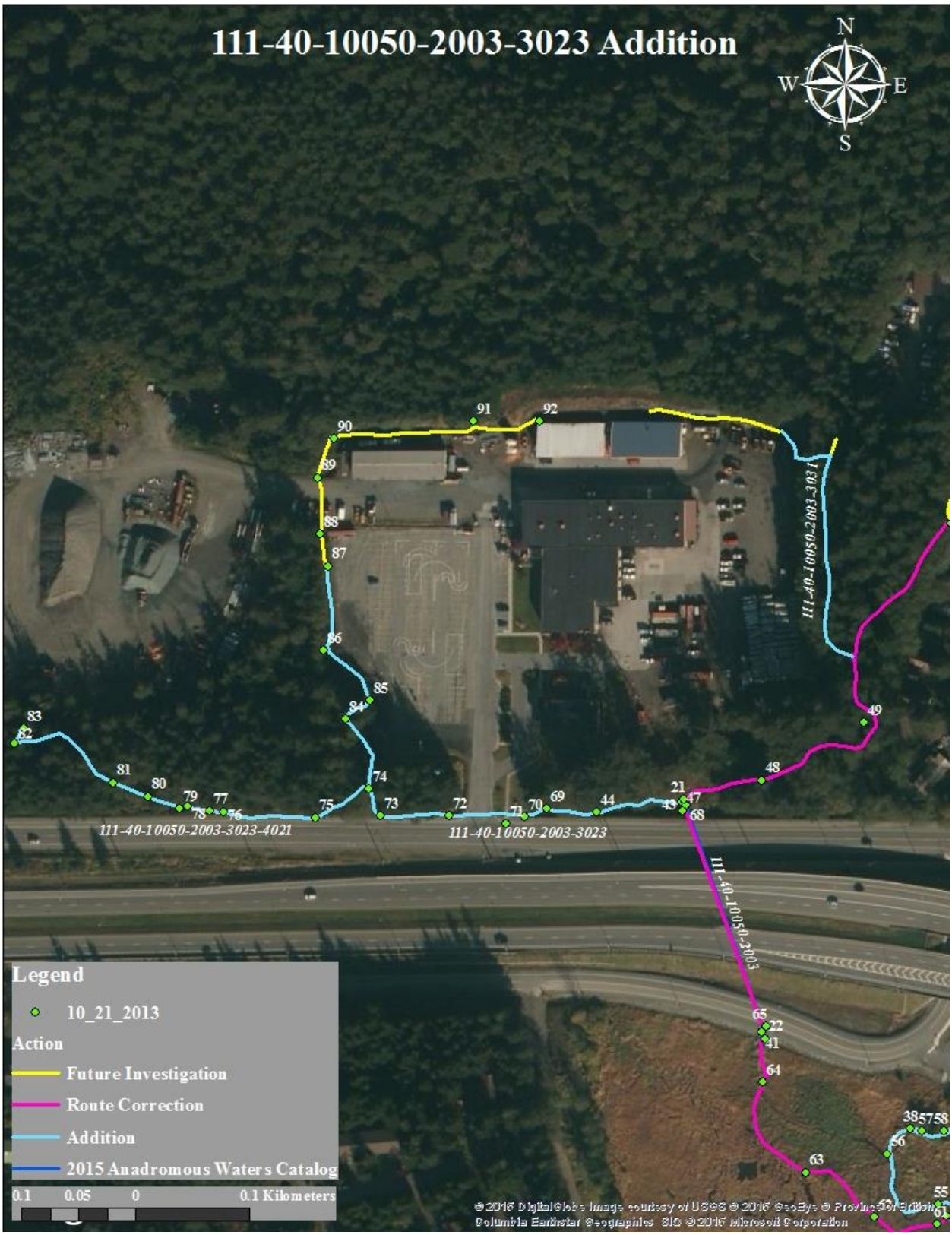

Figure 3.–111-40-10050-2003-3023 addition map.

111-40-10050-2003-3023-4021 ADDITION

Water body name: **Survey date:** 10/10/2013
Water body number: 111-40-10050-2003-3023-4021 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed this tributary to DOT Creek using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon and Dolly Varden char (Figure 1). I ended the survey at an outlet of a culvert located at the front left corner of City and Borough of Juneau (CBJ) Public Works Maintenance property (Figure 2).
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-518

Table 1.–111-40-10050-2003-3023-4021 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
68	58.3590	-134.5258	Inlet of culvert of DOT Creek. Also a ditch tributary entering on river right.		
69	58.3590	-134.5269		EF	1 CO
70	58.3589	-134.5271		EF	1 DV
71	58.3589	-134.5272	Where two culverts come together one from DOT parking lot and other crosses DOT entrance.	EF	
72	58.3590	-134.5277	Inlet of culvert.		
73	58.3590	-134.5282		EF	2 CO
74	58.3591	-134.5283	One was semi-smolty. Water also coming from woods, not a lot but will come back to investigate.	EF	2 CO
75	58.3589	-134.5287		EF	2 CO, 1 DV
76	58.3590	-134.5294		EF	1 DV
77	58.3590	-134.5295		EF	1 CO, 1 DV
78	58.3590	-134.5297	Clogged culvert on river right.	EF	1 DV
79	58.3590	-134.5298	Very smolty, 14.5cm	EF	1 CO
80	58.3590	-134.5300		EF	2 CO
81	58.3591	-134.5303	Water goes subterranean. Looks like at higher flows fish can get pass.	EF	No Fish
82	58.3593	-134.5311	Sediment wall, behind CBJ Public Works Lot.	EF	No Fish
83	58.3593	-134.5310	Black plastic culvert that goes under CBJ Public Works Lot. Couple inch perch, but about 6" deep pool at base.	EF	3 CO, 1 DV

Figure 1.–Juvenile coho salmon at base of black culvert.

Figure 2.–CBJ black culvert.

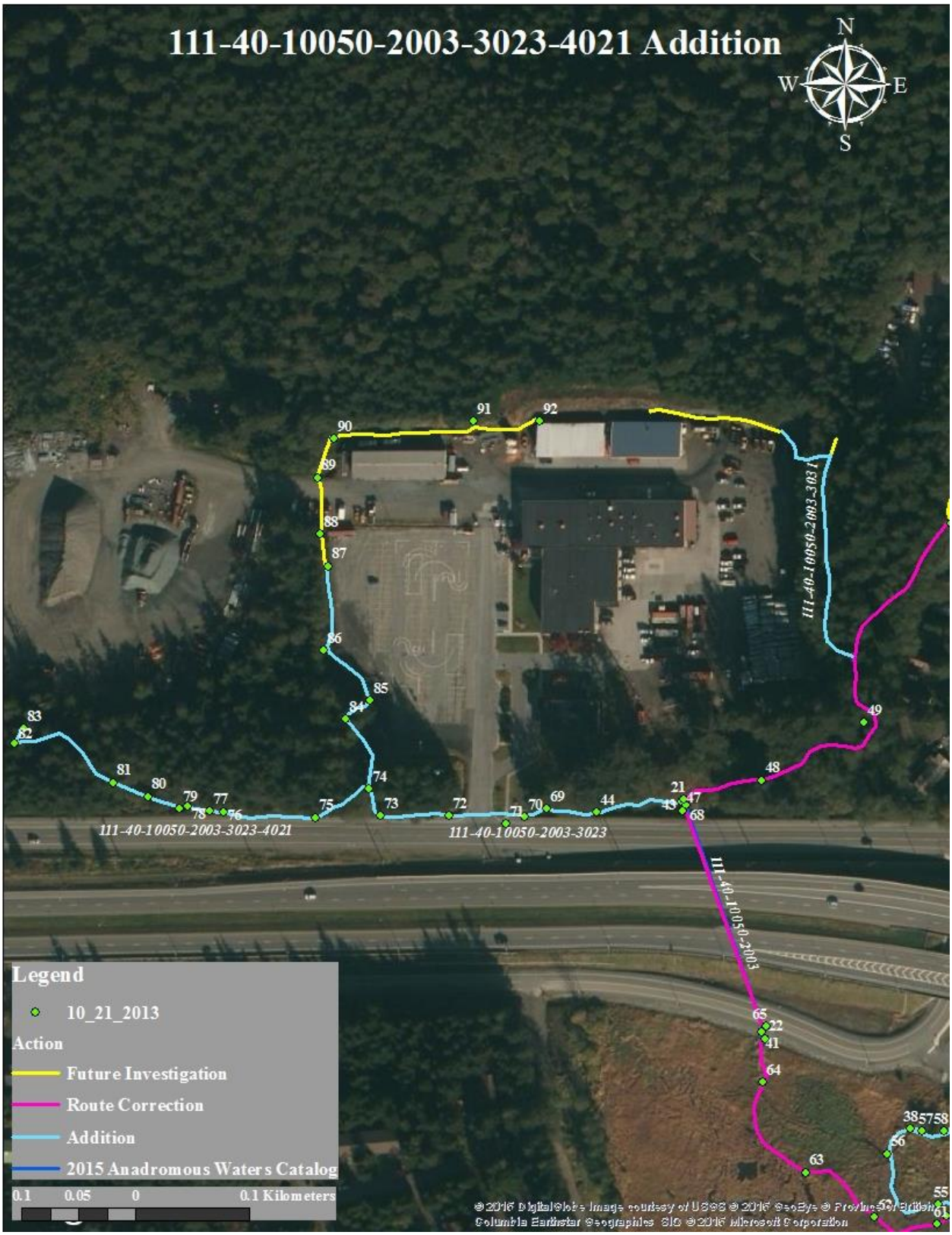

Figure 3.–111-40-10050-2003-3023-4021 addition map.

111-40-10050-2003-3031 ADDITION

Water body name: **Survey date:** 10/15/2013
Water body number: 111-40-10050-2003-3031 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed this tributary to DOT Creek using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon and Dolly Varden char in the tributary (Figure 1). I ended the survey behind the Alaska Department of Transportation maintenance storage buildings (Figure 2).
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-520

Table 1.–111-40-10050-2003-3031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
101	58.3596	-134.5246	Possible tributary coming in river right, will come back to.	EF	3 DV
106	58.3599	-134.5246		EF	2 DV
107	58.3599	-134.5246		EF	3 CO, 1 DV
108	58.3603	-134.5247	Water is coming out of a culvert here. Well bedded and has substrate in it, looks fish passable.	EF	No Fish
109	58.3605	-134.5246	Inlet of culvert, most of the water coming in from DOT Lot. Which is coming in river right of culvert.		
110	58.3605	-134.5246	Top of main stem. Water is seeping out of hillside, but looks to flow on surface at higher water.	EF	No Fish
111	58.3604	-134.5249	There is a small stream entering DOT Lot from hillside behind DOT. Not enough water to electrofish at this time. Stream is helping fill a ditch on the back of DOT property.	EF	2 DV
112	58.3605	-134.5250		EF	2 CO
113	58.3606	-134.5253	Some plywood pallets are in the ditch, does not look like fish can pass. Most of water from here seeping from hillside.	EF	No Fish

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
114	58.3606	-134.5256	A little ditch enters on river right and it goes to space between maintenance building and storage buildings. There is a pallet that is used as a bridge over ditch.	EF	No Fish
115	58.3606	-134.5261	The top of the ditch.	EF	No Fish

Figure 1.–Juvenile coho.

Figure 2.–Ditch behind DOT maintenance storage.

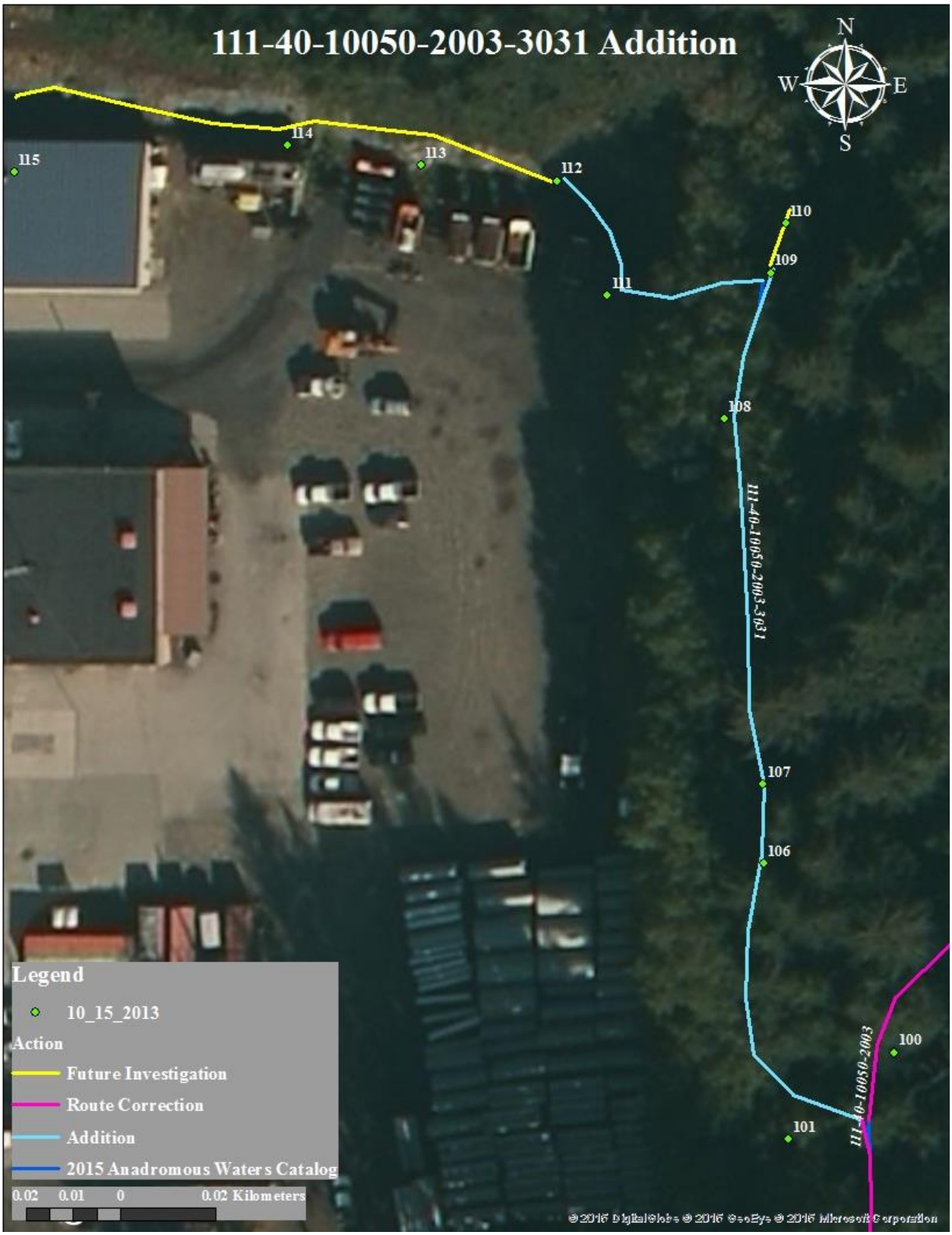

Figure 3.–111-40-10050-2003-3031 addition map.

111-40-10060 CORRECTION

Water body name: East Creek **Survey date:** 10/21/2013
Water body number: 111-40-10060 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed East Creek over the course of two days using a backpack electrofisher and GPS (Table 1). I captured rearing coho salmon and Dolly Varden char and one adult coho salmon with a hand net (Figure 1). There is a culvert under Schneider Drive in Switzer Village that is a barrier to fish passage (Figure 2). I ended the survey because I was only capturing resident fish beyond the culvert in Switzer Village.
Recommendations: Correct the route that is in AWC (Figure 3).
Nomination: 14-521

Table 1.–111-40-10060 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
50	58.3560	-134.5184	Starting here for East Creek, on border of where the last couple high tides have impacted.		
51	58.3572	-134.5199	Where some overflow from East Creek spreads out into wetlands.		
52	58.3574	-134.5199	Outlet of culvert that goes under Egan Highway.		
124	58.3583	-134.5196		EF	1 CO, 3 DV
125	58.3588	-134.5199	Outlet of culvert under Old Glacier Highway.	EF	1 DV
126	58.3590	-134.5199	Inlet of culvert.		
127	58.3597	-134.5196	Foot bridge over East Creek.	EF	4 DV
128	58.3601	-134.5196	Another foot bridge over East Creek.	EF	2 DV
129	58.3607	-134.5191	Some kind of hose crosses stream. Not sure what it goes to.	EF	3 DV
130	58.3609	-134.5190	One adult female Coho at outlet of culvert. The culvert does not look fish passable.	VL, HN	1 CO
131	58.3611	-134.5189	Inlet of culvert.		
132	58.3614	-134.5188	Tributary entering river right.	EF	3 DV
133	58.3615	-134.5195	Stopping here the water continues on but behind residential places. Should make contact before continuing.	EF	4 DV

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
134	58.3619	-134.5187	Water is coming from two branches. Most of the water coming from river left branch which is cloudy and the river right branch is clear.		
135	58.3620	-134.5187	A foot bridge over river right branch of East Creek.	EF	5 DV
136	58.3627	-134.5196	Captured a Dolly Varden in spawning colors.	VL	1 DV
137	58.3628	-134.5198	Captured a pair of spawning Dolly Varden upstream of some concrete slabs in creek. A foot bridge crosses here.	VL	2 DV
138	58.3632	-134.5203	Stopping here, gradient increase and no evidence of CO.	EF	2 DV
139	58.3620	-134.5183	Foot bridge over river left branch of East Creek.		
140	58.3626	-134.5182		EF	6 DV
141	58.3629	-134.5181	Tributary entering river left, has very low flow. Going to electrofish anyway.		
142	58.3630	-134.5174	Calling it the top here, water just seeping out of ground. But there is a big channel and looks to have water flow when enough rain. Channel is behind Dzantiki Heeni Middle School property.	EF	3 DV
143	58.3637	-134.5192		EF	4 DV
144	58.3641	-134.5191	Visual on Dolly Vardens in spawning colors. Don't think that any CO make it pass the culvert at WPT #130.	HN, VL	4 DV

Figure 1.–Adult female coho salmon.

Figure 2.–Outlet of Schneider Drive culvert.

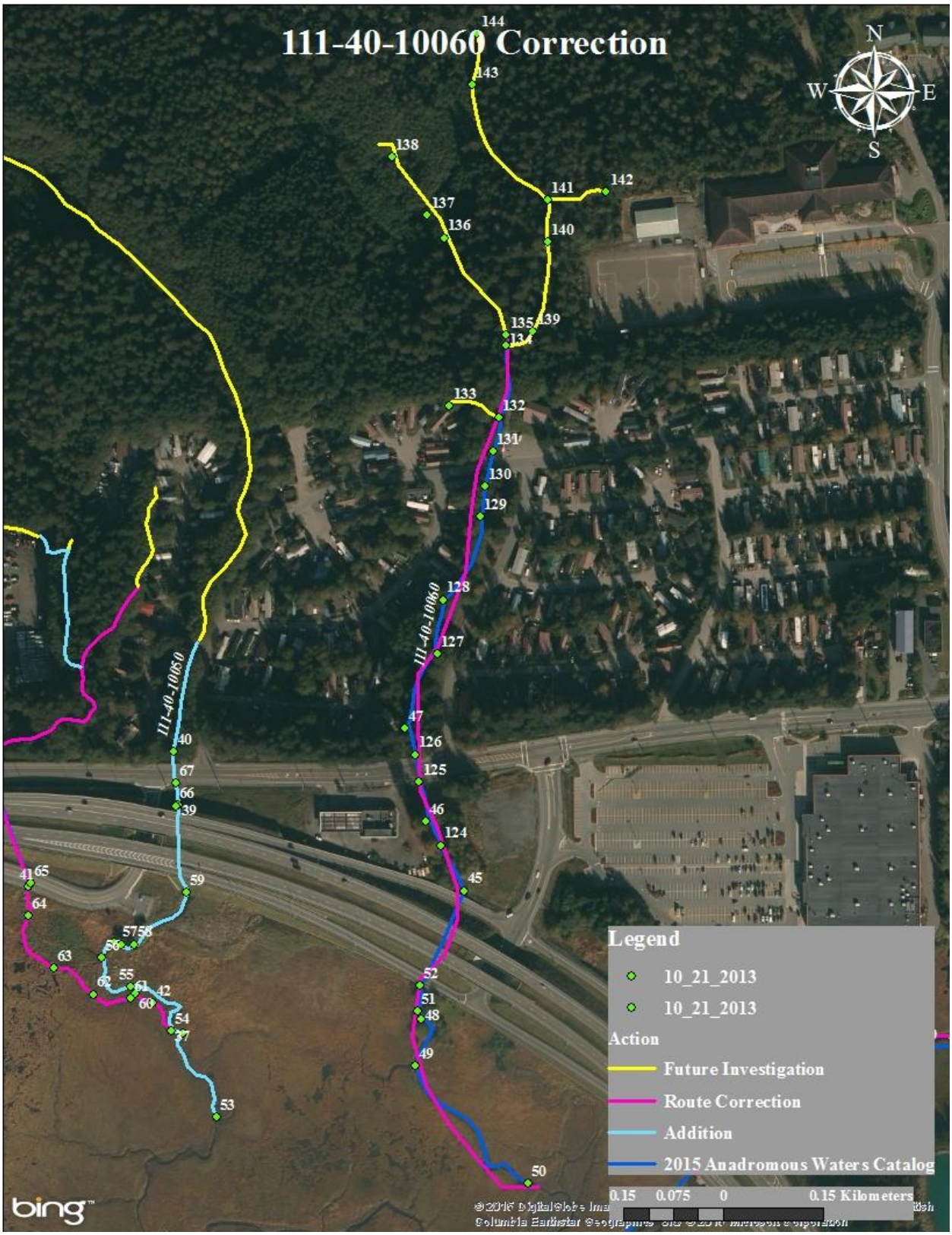

Figure 3.–111-40-10060 correction map.

111-40-10070-2003 CORRECTION

Water body name: **Survey date:** 10/22/2013
Water body number: 111-40-10070-2003 **Species & Lifestage:** COp, DVp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed 111-40-10070-2003, a tributary to Switzer Creek, using a backpack electrofisher and GPS (Table 1). No fish were seen or captured, but there is no barrier that would prevent access to this tributary. I ended the survey at the head of the tributary, which is a large pool behind Walmart shopping center (Figure 1, 2).
Recommendations: Correct the current course in AWC (Figure 3).
Nomination: 14-523

Table 1.–111-40-10070-2003 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
145	58.3560	-134.5161	Outlet of culvert under Egan Highway. Stream coming out of river right culvert, river left seems to work more for tide influences.		
146	58.3564	-134.5153	Inlet of culvert. Track through river right culvert.		
147	58.3570	-134.5127	Tributary entering river left.		
149	58.3572	-134.5104	Substrate muddy, water flowing very slowly. Spruce trees line sides of the Creek, on river left side the trees lower branches have been cut and stacked on creek bank.		
150	58.3586	-134.5093	Possible tributary entering river right.		
151	58.3584	-134.5124	EF the whole thing and got nothing. Ends here in a pond at base of Walmart Platform.	EF	No Fish

Figure 1.–Looking back to Switzer Creek.

Figure 2.–Headwaters of tributary.

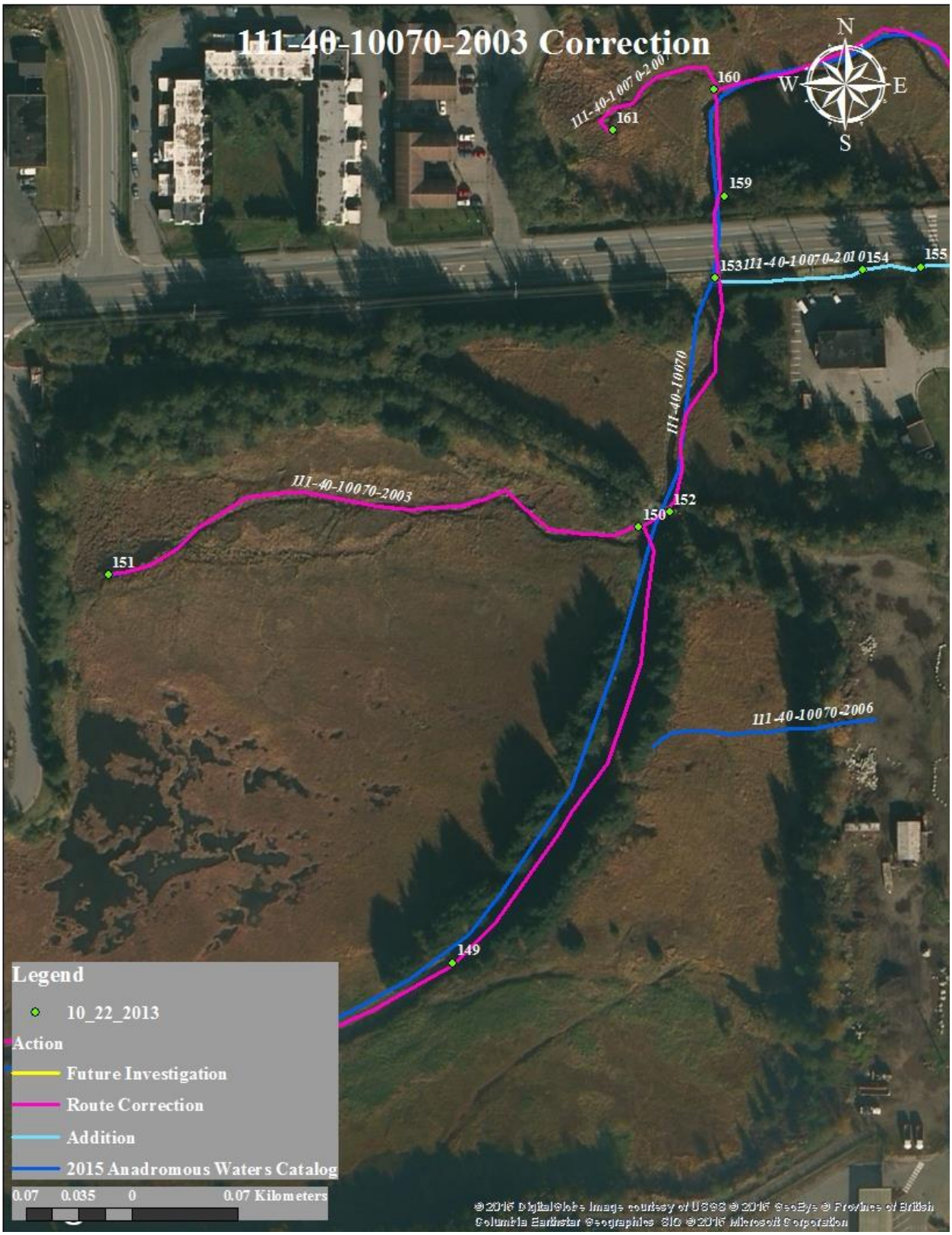

Figure 3.–111-40-10070-2003 correction map.

111-40-10070-2009 CORRECTION

Water body name: **Survey date:** 10/22/2013
Water body number: 111-40-10070-2009 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-40-10070-2009 using minnow traps and a GPS (Table 1). Near the headwaters of the stream we found evidence of restoration work as well as the need for future clean-up efforts.
Recommendations: Correct the current course in AWC (Figure 1).
Nomination: 14-512

Table 1.–111-40-10070-2009 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
162	58.3616	-134.5065	Tributary entering RR.		
163	58.3617	-134.5071		EF	1 CO, 2 DV
164	58.3617	-134.5077		EF	1 CO, 1 DV
165	58.3618	-134.5078	Tributary entering RL.		
166	58.3615	-134.5085		EF	1 CO
167	58.3615	-134.5087		EF	2 CO, 2 DV
168	58.3615	-134.5092		EF	2 CO
169	58.3617	-134.5093		EF	5 CO, 2 DV
170	58.3620	-134.5094		EF	2 CO
171	58.3623	-134.5098	Board walk right next to stream. Substrate clay and channeled.	EF	2 DV
172	58.3622	-134.5101		EF	2 DV
173	58.3622	-134.5105	Calling it here. Has been a bit since last Coho and substrate continues to be clay with little in way of debris in stream.	EF	

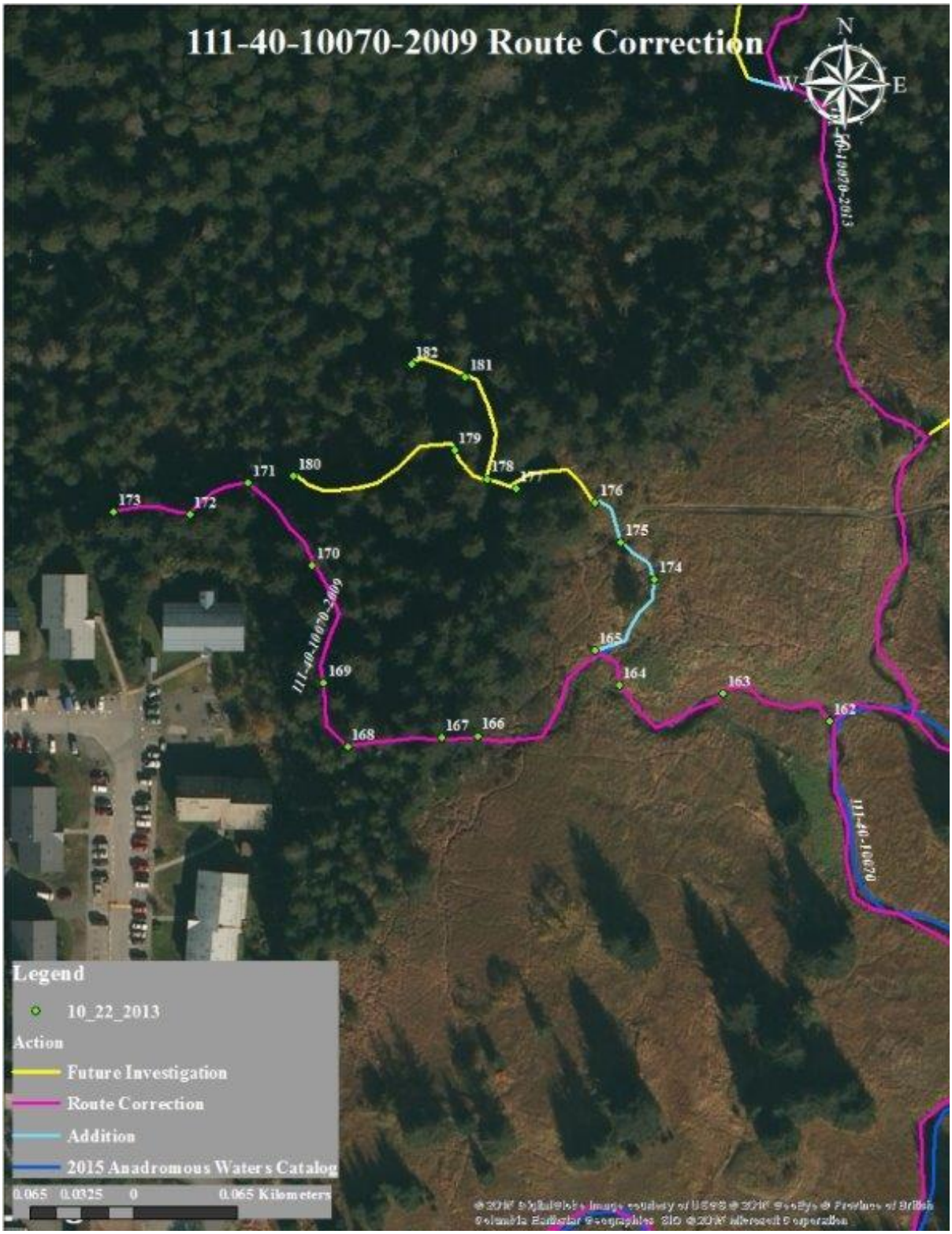

Figure 1.–111-40-10070-2009 route correction.

111-40-10070-2009-3016 ADDITION

Water body name: **Survey date:** 10/22/2013
Water body number: 111-40-10070-2009-3016 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-40-10070-2009-3016 using a backpack electrofisher and a GPS (Table 1). The tributary branches, but did not capture any coho salmon after tributary branched (Figures 1, 2). The end survey for river right branch at a 3' drop and river left at an outlet of a culvert.
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-512

Table 1.–111-40-10070-2009-3016 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
165	58.3618	-134.5078	Tributary entering river left.		
174	58.3620	-134.5075		EF	2 CO, 1 DV
175	58.3621	-134.5077	Board walk crosses stream here.	EF	1 CO
176	58.3622	-134.5078		EF	2 CO
177	58.3623	-134.5083		EF	1 CO
178	58.3623	-134.5084	Tributary entering on river left.		
179	58.3624	-134.5086	A falls here, substrate is orange colored.	EF	2 DV
180	58.3623	-134.5095	Culvert here have EF since falls and have not seen anything so stopping.	EF	No Fish
181	58.3626	-134.5085	Water coming out of a cave, has a falls in the back. Believe drop of falls to be a barrier, but will shock above to see.	EF	No Fish
182	58.3626	-134.5088	Have EF several places after cave falls and have gotten nothing. So will be stopping here.	EF	No Fish

Figure 1.–Juvenile coho salmon.

Figure 2.–Tributary stream channel.

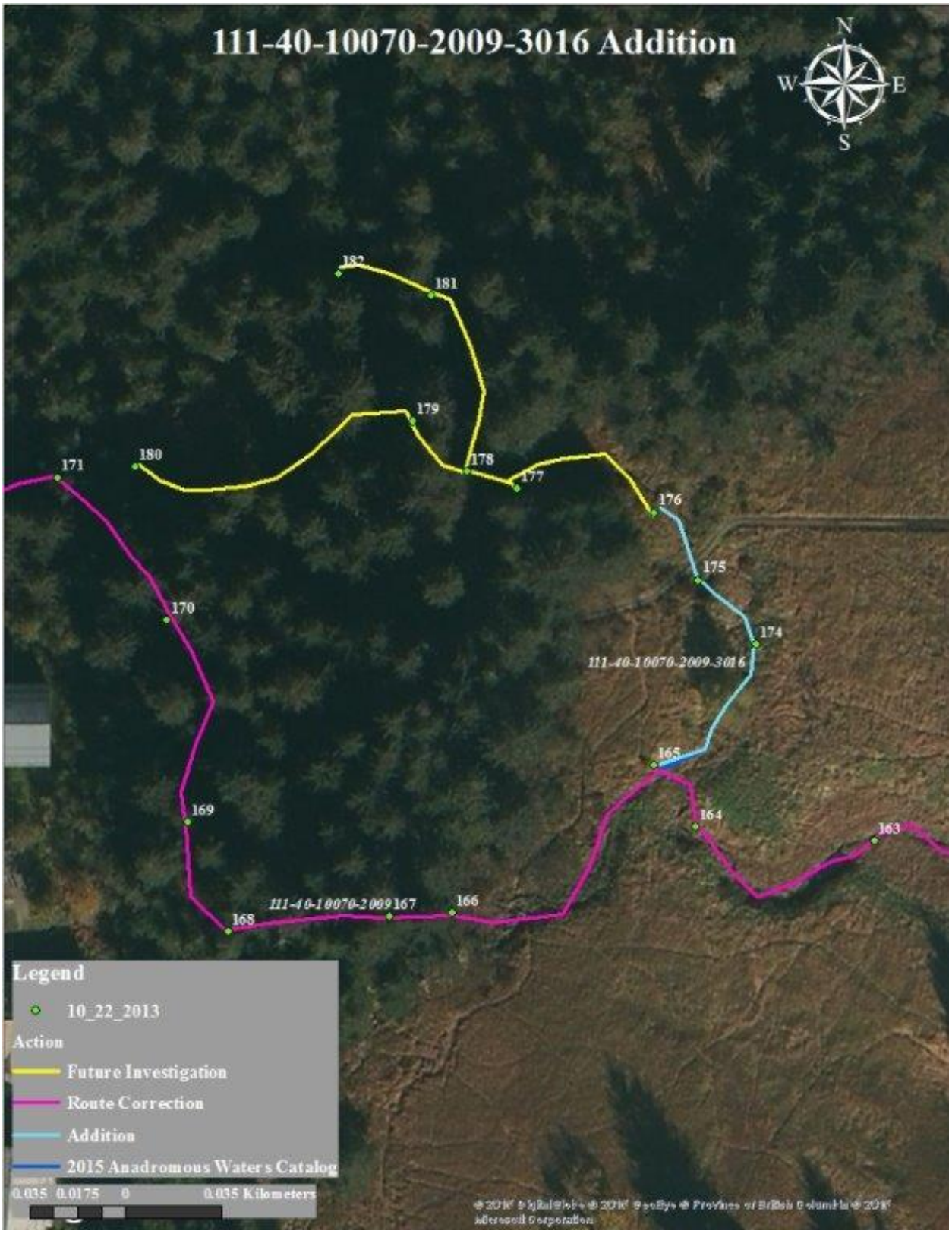

Figure 3.–111-40-10070-2009-3016 addition map.

111-40-10070-2010 ADDITION

Water body name: **Survey date:** 10/22/2013
Water body number: 111-40-10070-2010 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-40-10070-2010 using a backpack electrofisher and a GPS (Table 1). I found two dead juvenile coho salmon while electrofishing and also captured two live juvenile coho salmon (Figures 1, 2). This tributary is a ditch that is along Glacier Highway and is influenced by rainfall. I ended the survey because there was not enough water to continue electrofishing.
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-522

Table 1.–111-40-10070-2010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
153	58.3594	-134.5088	Double culvert here that goes under Old Glacier Highway. There is also a tributary ditch entering here on river left.		
154	58.3594	-134.5080		EF	1 CO
155	58.3594	-134.5076	Found two dead coho that look to have run out of air. Culvert here that goes under Alaway Ave.	EF	2 CO
156	58.3594	-134.5070	Inlet of culvert.		
157	58.3595	-134.5067	Found two coho live. This ditch is beside Old Glacier Highway. Old rusty culvert here does not look like water is coming out of it, on river left.	EF	2 CO
158	58.3594	-134.5053	Top of current water. Think that the water level in ditch is highly dependent on rain.		

Figure 1.–Dead juvenile coho salmon.

Figure 2.–Juvenile coho salmon.

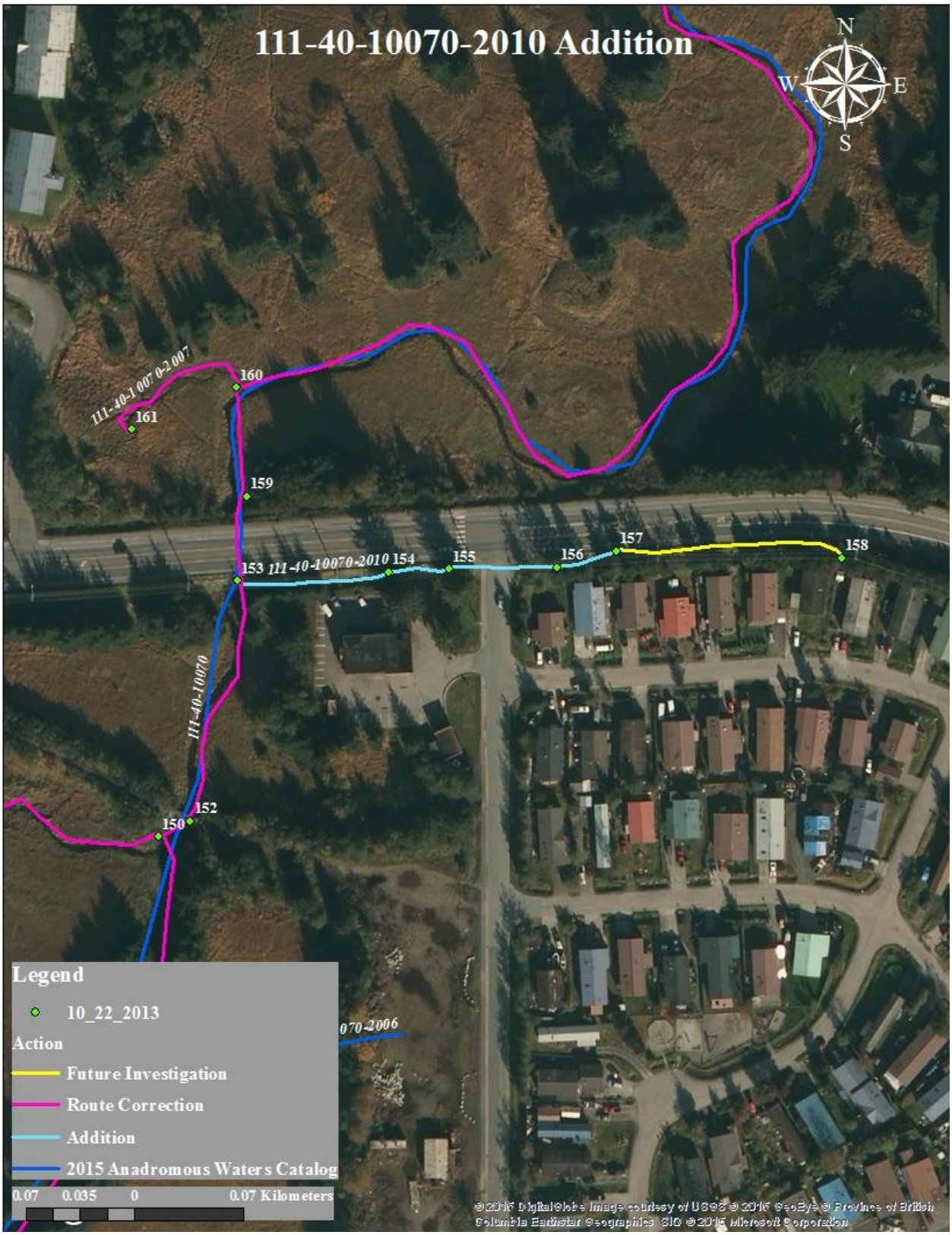

Figure 3.–111-40-10070-2010 addition map.

111-40-10070-2013-3031 ADDITION

Water body name: **Survey date:** 10/23/2013
Water body number: 111-40-10070-2013-3031 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-40-10070-2013-3031 using an electrofisher unit and a GPS (Table 1). I captured juvenile coho salmon and Dolly Varden char in the tributary (Figure 1). I ended the survey at a 15' cascade waterfall (Figure 2).
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-513

Table 1.–111-40-10070-2013-3031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
189	58.3640	-134.5070	Top of tributary of tributary of Switzer Creek. Cascade falls about 15'.	EF	1 DV
190	58.3636	-134.5070		EF	1 CO, 1 DV
191	58.3635	-134.5069		EF	2 CO
192	58.3635	-134.5068	Tributary enters tributary of Switzer Creek.		

Figure 1.–Juvenile coho salmon.

Figure 2.–Cascade waterfall barrier.

Figure 3.–111-40-10070-2013-3031 addition map.

111-40-10070-2020 CORRECTION

Water body name: **Survey date:** 10/24/2013
Water body number: 111-40-10070-2020 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed the upper reach of 111-40-10070-2020 using a backpack electrofisher and a GPS (Table 1). I captured rearing coho salmon and Dolly Varden char (Figure 1). This stream is crossed by Switzer Loop Trail and continues up behind residential mobile homes (Figure 2). I ended the survey behind Churchill Mobile Home Park where water is seeping out of the ground.
Recommendations: Correct the current course in AWC (Figure 3).
Nomination: 14-514

Table 1.–111-40-10070-2020 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
223	58.3633	-134.4938	There are wood culverts that go under Switzer Trail here. These culverts are hollowed out trees. I captured a 10 inch jack coho at the base of culverts. This point at the outlet of wood culverts.	EF	2 CO, 5 DV
224	58.3634	-134.4937	Inlet of culverts.	EF	2 DV
225	58.3633	-134.4932		EF	2 CO
226	58.3633	-134.4928		EF	2 CO
236	58.3632	-134.4927	Tributary enters river left.		
237	58.3630	-134.4927		EF	2 CO
238	58.3629	-134.4924	Ditch behind trailer homes.	EF	2 CO
239	58.3628	-134.4918		EF	2 CO, 1 DV
240	58.3627	-134.4915	Shocked below a rock wall.	EF	2 CO
241	58.3627	-134.4915	Above rock wall. A small seep coming in from muskeg on river right.	EF	2 CO
242	58.3627	-134.4912	Water starting to disappear quickly since #241. Here water seeping from hillside. Looks like a decent channel, but not enough water to EF any more.	EF	No Fish

Figure 2.–Juvenile coho salmon.

Figure 3.–Wood culverts under Switzer Trail.

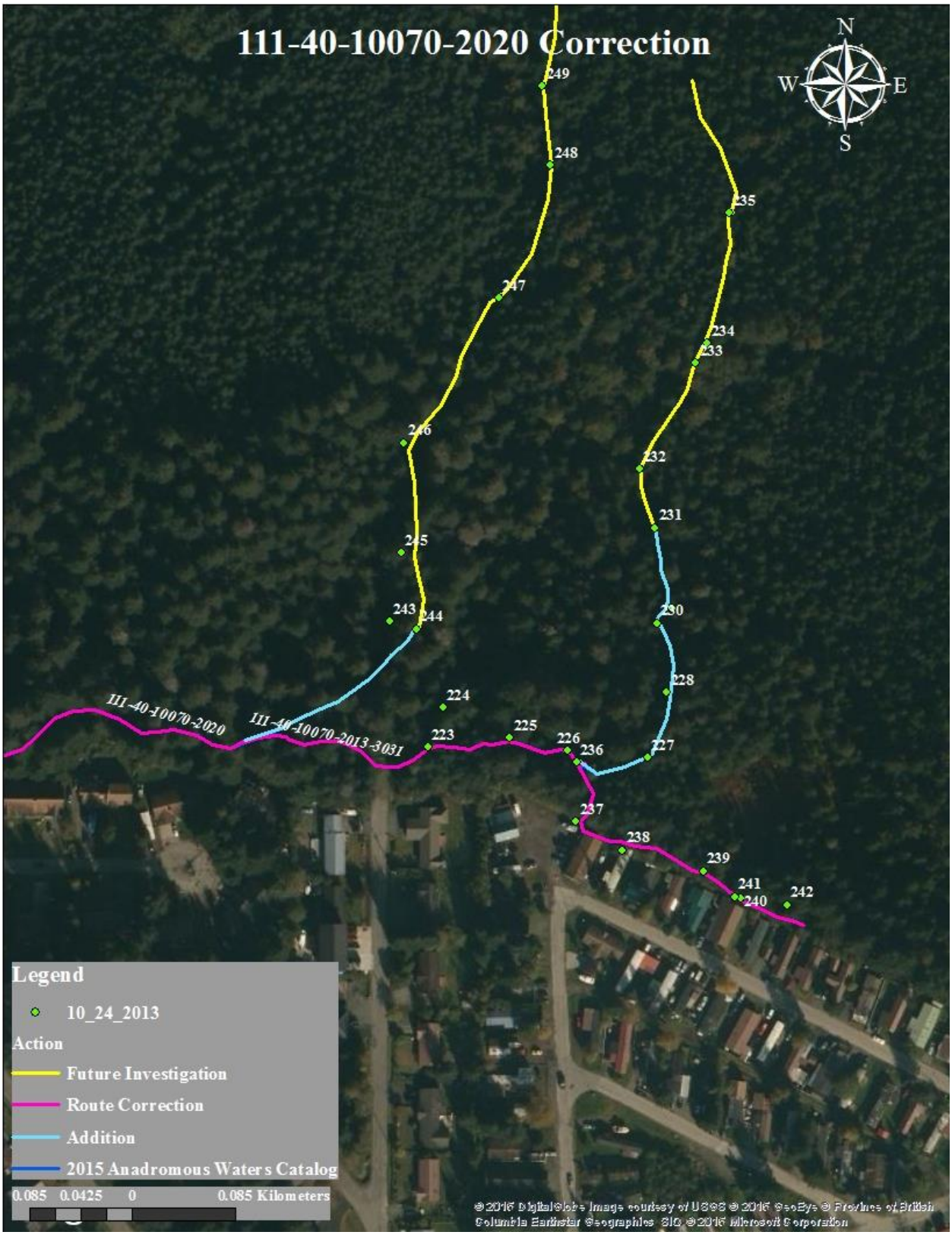

Figure 4.–111-40-10070-2020 correction map.

111-40-10070-2020-3031 ADDITION

Water body name: **Survey date:** 10/24/2013
Water body number: 111-40-10070-2020-3031 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-40-10070-2020-3031 using a backpack electrofisher and a GPS (Table 1). The gradient changed, and there is a chute that fish may not be able pass (Figure 1). I captured coho salmon to the base of gradient change and only Dolly Varden char up from there. I ended the survey at the headwaters where the water is coming out of the ground (Figure 2).
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-516

Table 1.–111-40-10070-2020-3031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
219	58.3633	-134.4952	Tributary entering river left.		
243	58.3638	-134.4941	Switzer Loop Trail has a bridge here that crosses creek.		
244	58.3637	-134.4939	A bit of a chute/cascade falls here.	EF	2 CO, 4 DV
245	58.3640	-134.4940	Middle of chute/cascade.	EF	2 DV
246	58.3645	-134.4940	Top of chute/cascade, flattens out.	EF	1 DV
247	58.3650	-134.4933	Substrate not suitable for salmon spawning. The gradient is slowly increasing again.	EF	3 DV
248	58.3655	-134.4929	Trail crosses here not such which. Looks to be an old road turned into trail.		
249	58.3659	-134.4930	Dolly Varden in spawning colors.	EF	1 DV
250	58.3665	-134.4930	Calling it here, appears to be only resident fish up here. Don't think adult fish can make it pass chute/cascade at # 244.	EF	3 DV

Figure 1.–Gradient change.


Figure 2.–Water intake at the headwaters.

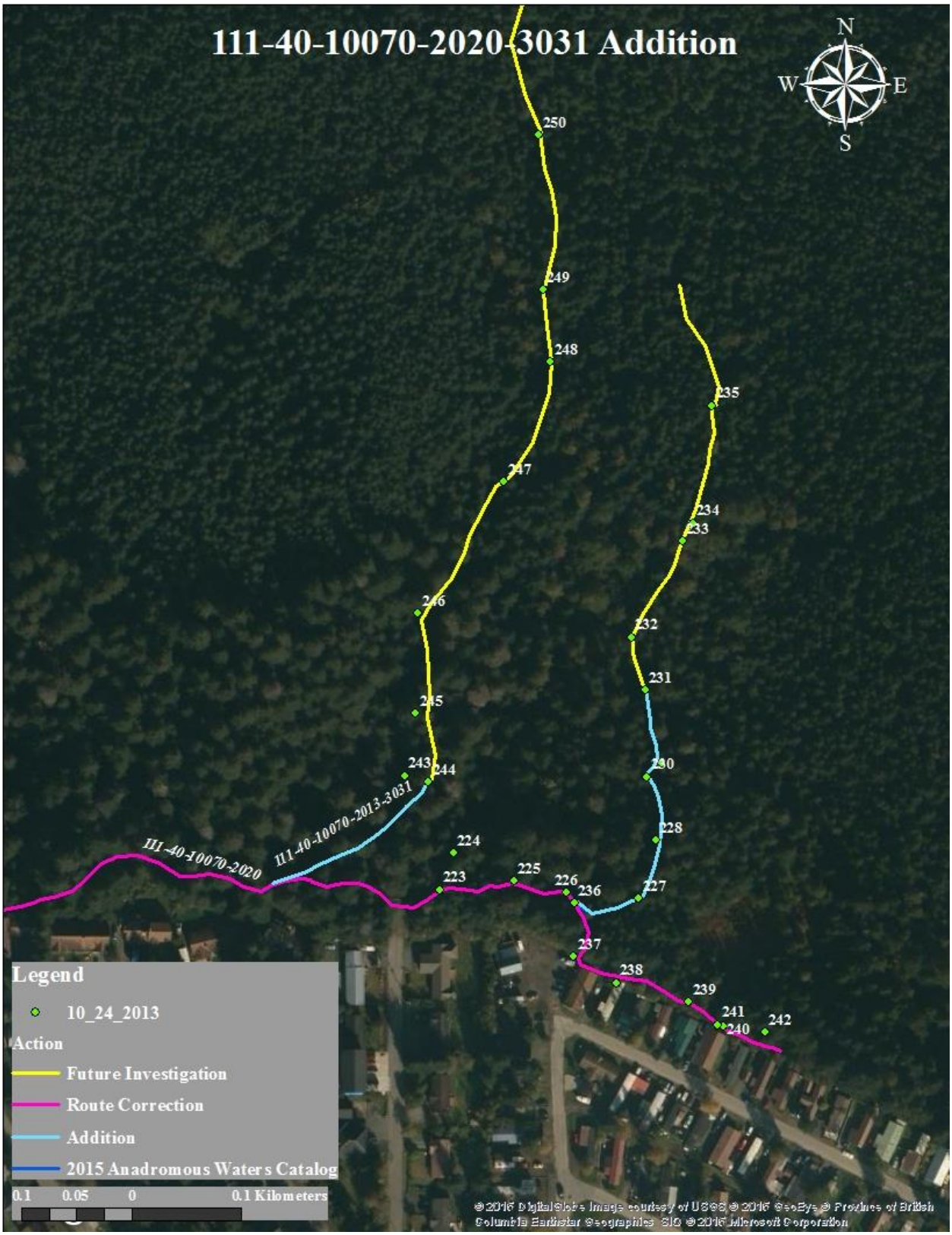

Figure 3.–111-40-10070-2020-3031 addition map.

111-40-10070-2020-3039 ADDITION

Water body name: **Survey date:** 10/24/2013
Water body number: 111-40-10070-2020-3039 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-40-10070-2020-3039 using a backpack electrofisher and a GPS (Table 1). I captured juvenile coho salmon and Dolly Varden char with and visually identified an adult female coho salmon (Figure 1). There was a small cascade that was about 4' that could be a barrier at low flows (Figure 2). I ended the survey due to water level being too low to continue electrofishing.
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-515

Table 1.–111-40-10070-2020-3039 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
226	58.3633	-134.4928		EF	2 CO
227	58.3632	-134.4922	One of the coho captured was very smolty.	EF	3 CO
228	58.3635	-134.4920	One adult female coho captured.	VL	1 CO
229	58.3638	-134.4920		EF	1 CO
230	58.3638	-134.4921		EF	2 CO, 1 DV
231	58.3641	-134.4921	Gradient has been increasing. There are black pipes in and around stream. They could be used for transport of water.	EF	1 CO
232	58.3644	-134.4922	Larger pipe running along side of stream.	EF	3 DV
233	58.3648	-134.4918		EF	1 CO, 2 DV
234	58.3649	-134.4917	Captured on Dolly Varden in spawning colors at the base of a cascade.	EF	2 DV
235	58.3654	-134.4916	Stopping here, have only been capturing Dolly Varden and water level to low to electrofish.	EF	2 DV
257	58.3659	-134.4919	Where silver/black pipes crosses stream.		

Figure 1.–Adult female coho salmon.

Figure 2.–Possible cascade barrier.

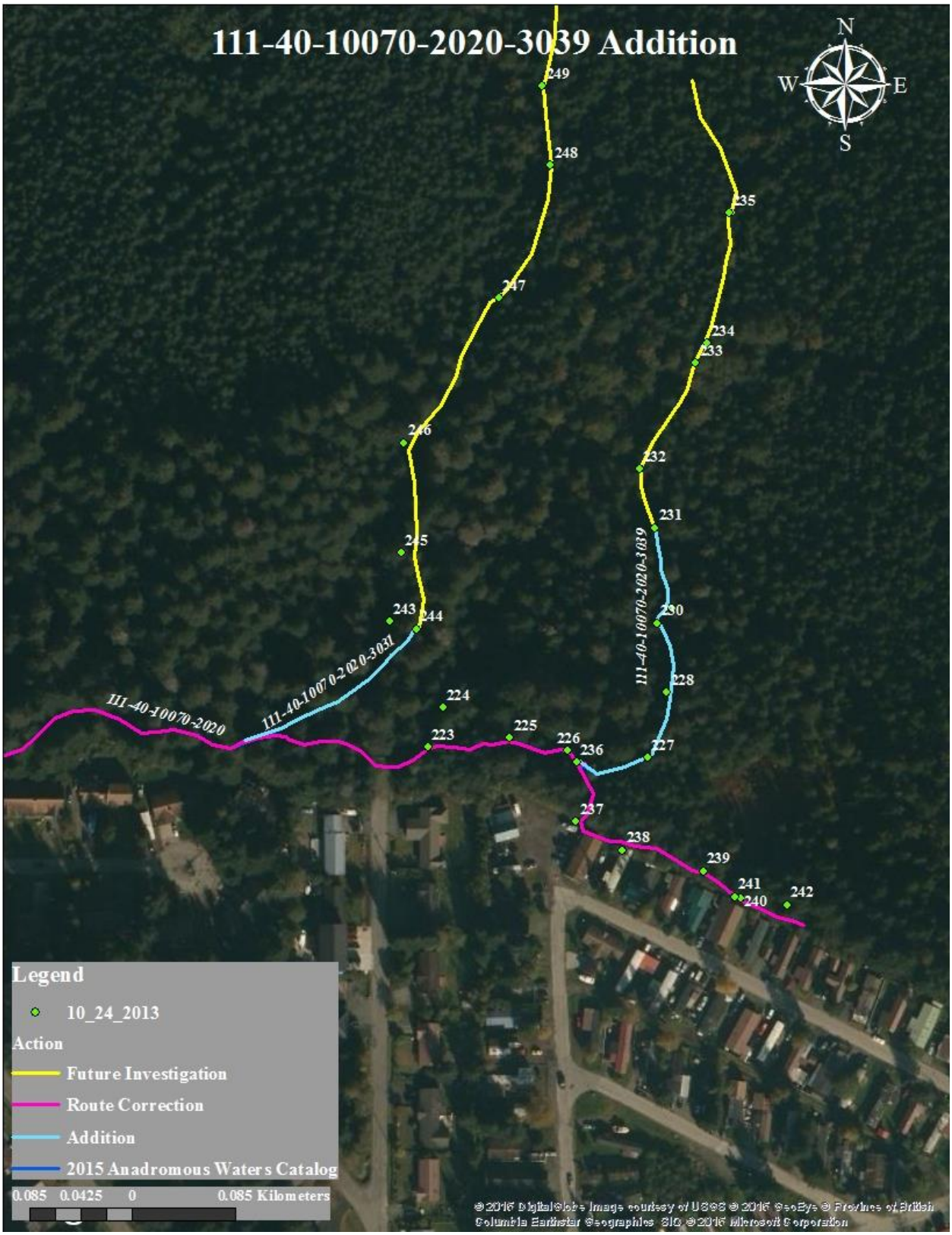

Figure 3.–111-40-10070-2020-3039 addition map.

111-40-10125 CORRECTION

Water body name: Vanderbilt Creek **Survey date:** 6/10/2010
Water body number: 111-40-10125 **Species & Lifestage:** CHs, COsr, Ps, DVr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: The tracked route follows a much more sinuous path than the AWC illustrates (Table 1). The coordinates provided in the table indicate the upper and lower extents of Vanderbilt Creek for species listed in the AWC. We found a spawned out chum salmon on the stream bank (Figure 1). This stream has been adversely impacted by human activity. There were tent camps along the bank as well as a tremendous amount of human excrement, trash, and yard debris. This stream would greatly benefit from a clean-up effort and rehabilitation. The following table and map provide additional data on the creek correction.
Recommendations: Add stream to the AWC (Figure 2).
Nomination: Accepted (No nomination found, but 2015 AWC matches nomination)

Table 1.–111-40-101250 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3512	-134.4915	Begin track at culvert outlet under Glacier Highway.	RS	
12	58.3560	-134.4810	Shallow braided channels. Forested wetlands. Needs more investigation	RS	

Figure 1.–Spawned out chum salmon on stream bank.

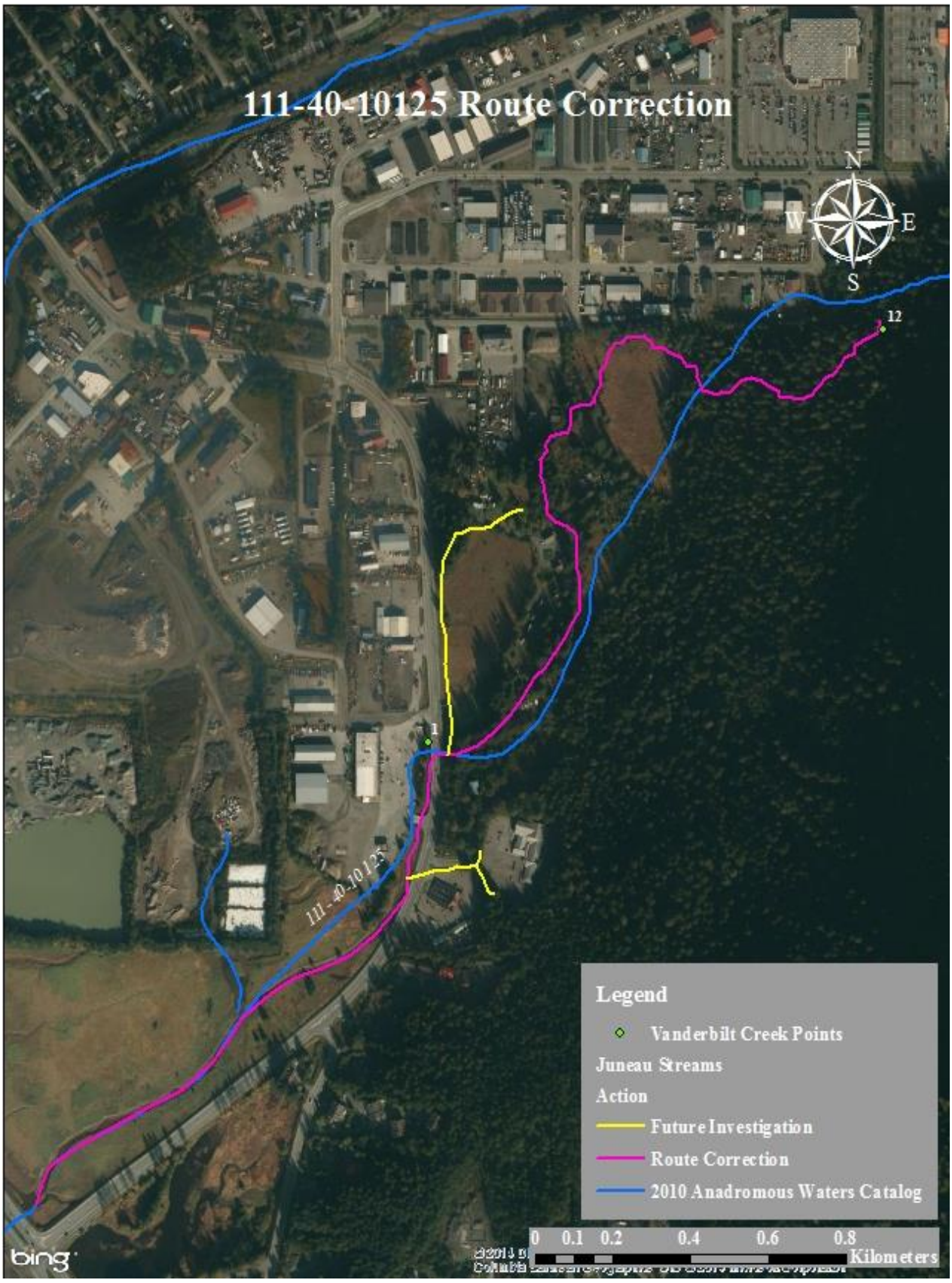

Figure 2.–111-40-10125 route correction map.

111-40-10125-2010/0010 ADDITION

Water body name: **Survey date:** 10/28/2011
Water body number: 111-40-10125-2010/0010 **Species & Lifestage:** COpr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: Surveyed this tributary with minnow traps and a GPS (Table 1). I captured rearing coho salmon, Dolly Varden char and sculpin.
Recommendations: Add stream to the Anadromous Waters Catalog (Figure 1).
Nomination: 12-532

Table 1.–111-40-10125-2010/0010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3494	-134.4920	Outlet of culvert to Vanderbilt Creek.	MT	
2	58.3497	-134.4903	Outlet of culvert from Baumgartner pond.	MT	2 CO, 3 DV, 1 SC
3	58.3506	-134.4888	Last CO captured. Stream goes subterranean.	MT	2 CO, 2 CT, 2 DV
4	58.3506	-134.4894	Trap in Baumgartner pond.	MT	26 CO, 1 DV
5	58.3501	-134.4887	Trap in small drainage ditch behind church.	MT	1 CO

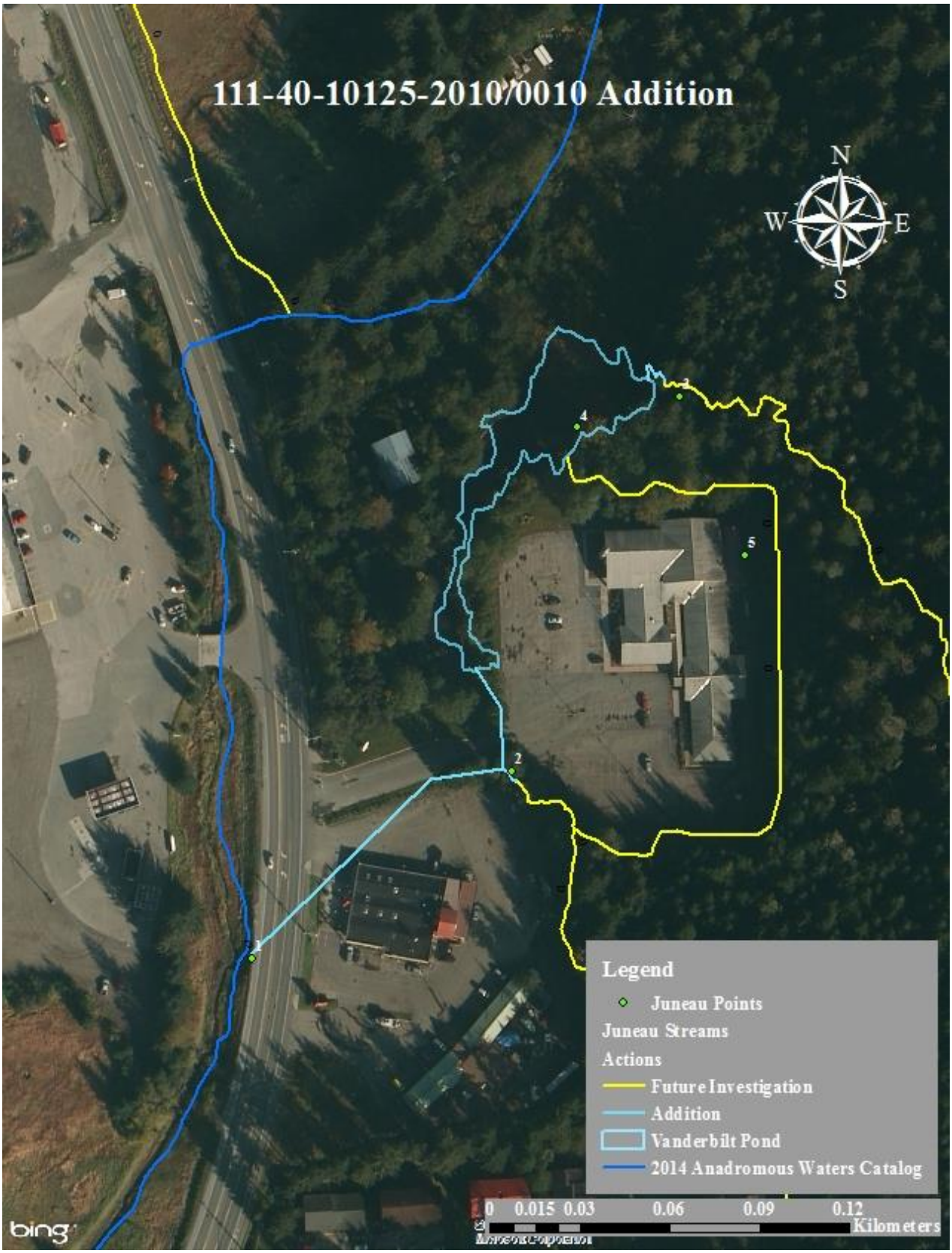

Figure 1.–111-40-10125-2010/0010 addition map.

111-40-10150 CORRECTION

Water body name: Salmon Creek **Survey date:** 6/8/2010
Water body number: 111-40-10150 **Species & Lifestage:** CHs, COs, Pp, DVp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: I surveyed Salmon Creek with minnow traps and a GPS (Table 1). The anadromous reach of this stream terminates at a falls measuring 23% gradient over 30 feet (Figures 1, 2, 3). Another falls is upstream and is 15 feet tall with a gradient of 30% (Figure 4). The falls were measured using a clinometers and rangefinder to determine fall height.
Recommendations: Add stream to the AWC (Figure 5).
Nomination: 10-808

Table 1.–111-40-10150 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3305	-134.4736	Lower extent of anadromy.		
2	58.3324	-134.4659	Upper extent of anadromy.		
3	58.3329	-134.4652		MT	No Fish
4	58.3327	-134.4643		MT	No Fish

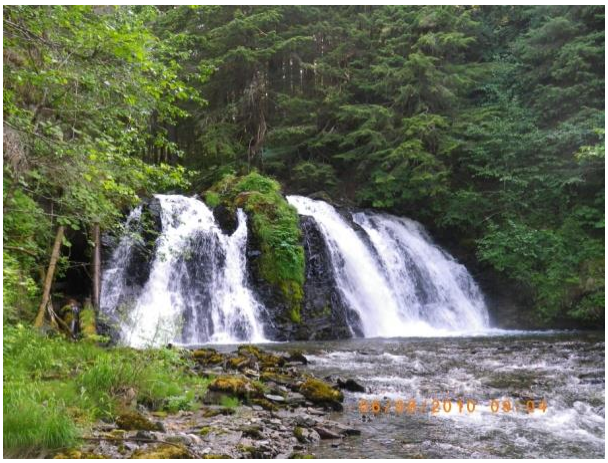

Figure 1.–Barrier falls on Salmon Creek.

Figure 2.–Looking up at falls.

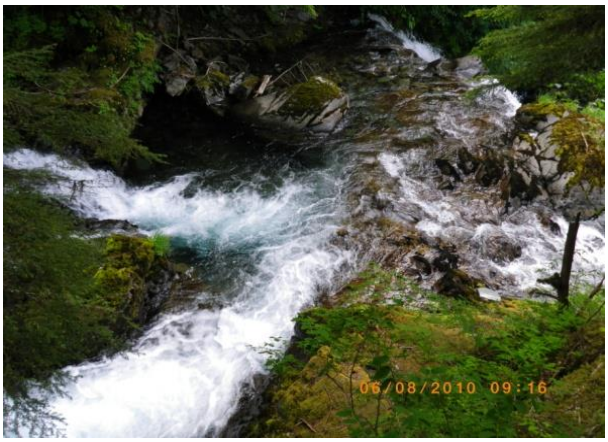

Figure 3.–Looking down from waterfall.

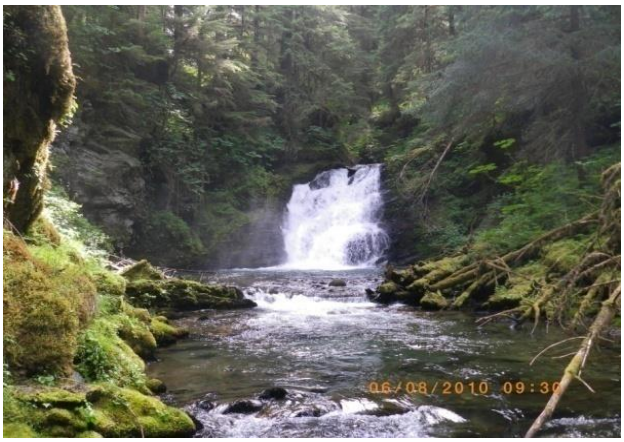

Figure 4.–Second set of falls on Salmon Creek.

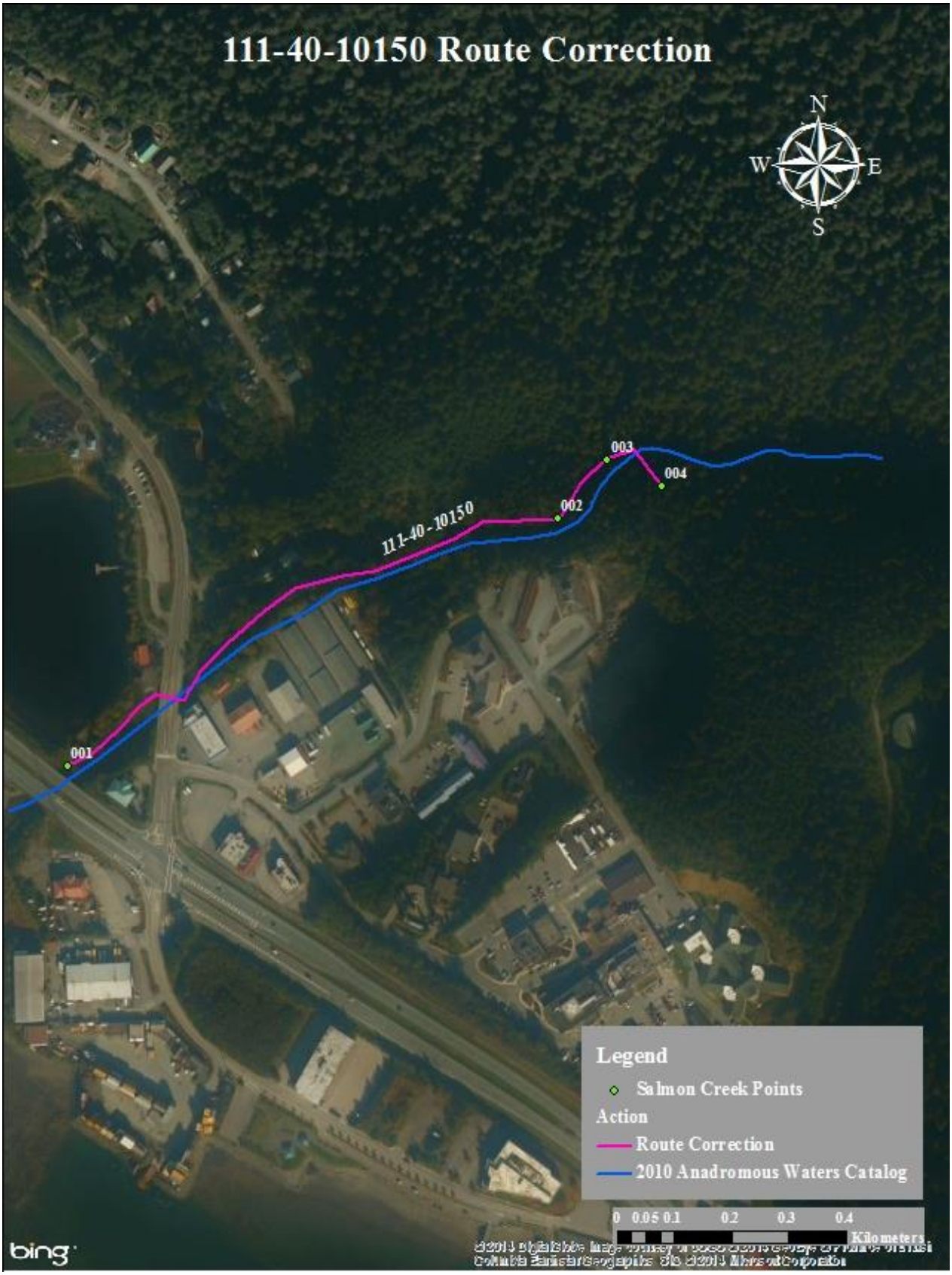

Figure 5.–111-40-10150 route correction map.

111-40-10240 ADDITION

Water body name: Snowslide Creek **Survey date:** 9/9/2010
Water body number: 111-40-10240 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: This stream was trapped and tracked and is anadromous up to a steepened gradient in an avalanche run-out zone (Table 1). This stream is interesting in that it is in an avalanche run-out zone yet smolting CO were trapped (Figures 1, 2, 3). This stream is impacted by brushing activities of road maintenance crews (Figures 4, 5, 6).
Recommendations: Add stream to the AWC and monitor for riparian regrowth and bank stabilization. Install a fish pipe (Figure 7).
Nomination: 10-757

Table 1.–111-40-10240 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.2825	-134.3746	Mouth of Snowslide Creek.		
2	58.2828	-134.3746	Culvert under Thane Road. Perched 1.5' at low tide, 1-10" at high tide. Captured smolty CO between 85-100mm.	MT	4 CO
3	58.2830	-134.3746	Inlet of culvert. 3 CO between 85-120mm.	MT	3 CO
4	58.2832	-134.3744	Sediment catchment pool.		
5	58.2832	-134.3740	End of anadromous reach. Steep rocky cascade. 1 CO about 140mm.	MT	1 CO

Figure 1.–CO captured below steep rocky cascade.

Figure 2.–CO captured below culvert outlet.

Figure 3.–captured at culvert outlet.

Figure 4.–Footprint in sediment.

Figure 5.–Steepened gradient in an avalanche runout zone.

Figure 6.–Sediment from in stream work on substrate.

Figure 7.–111-40-10240 addition map.

111-40-10280 CORRECTION

Water body name: Sheep Creek **Survey date:** 6/9/2010
Water body number: 111-40-10280 **Species & Lifestage:** CHp, Pp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C042S068E **Quad:** Juneau B-1
Findings: We surveyed Sheep Creek with minnow traps and a GPS (Table 1). This stream is short with most of it being impacted by high tides (Figure 1). The actual upper extent of the stream terminates at a falls of 124.5' with a gradient of 30% (Figures 2, 3). Minnow traps were set above the falls and allowed to soak for 2 hours. The traps yielded no fish. The following table and map provide additional data.
Recommendations: Correct the current route in the AWC (Figure 4).
Nomination: 10-742

Table 1.–111-40-10280 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.2602	-134.3256	Lower extent.		
2	58.2610	-134.3247	Upper extent.	MT	No Fish
3	58.2611	-134.3238	Above long series of falls and a concrete dam associated with fish hatchery.	MT	No Fish
4	58.2612	-134.3217	Below falls.	MT	No Fish
5	58.2608	-134.3245	Below impassable falls.		

Figure 1.–Looking into Gastineau Channel.

Figure 2.–Looking down at dam above falls.

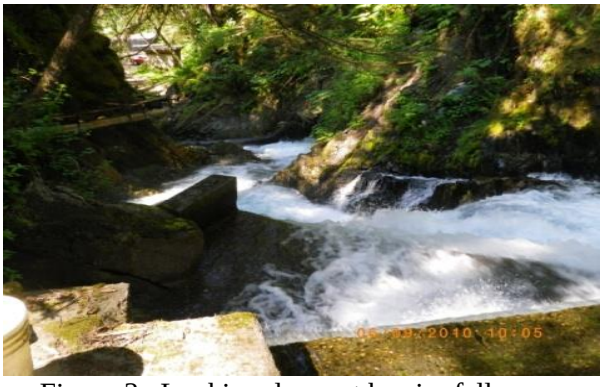

Figure 3.–Looking down at barrier falls.

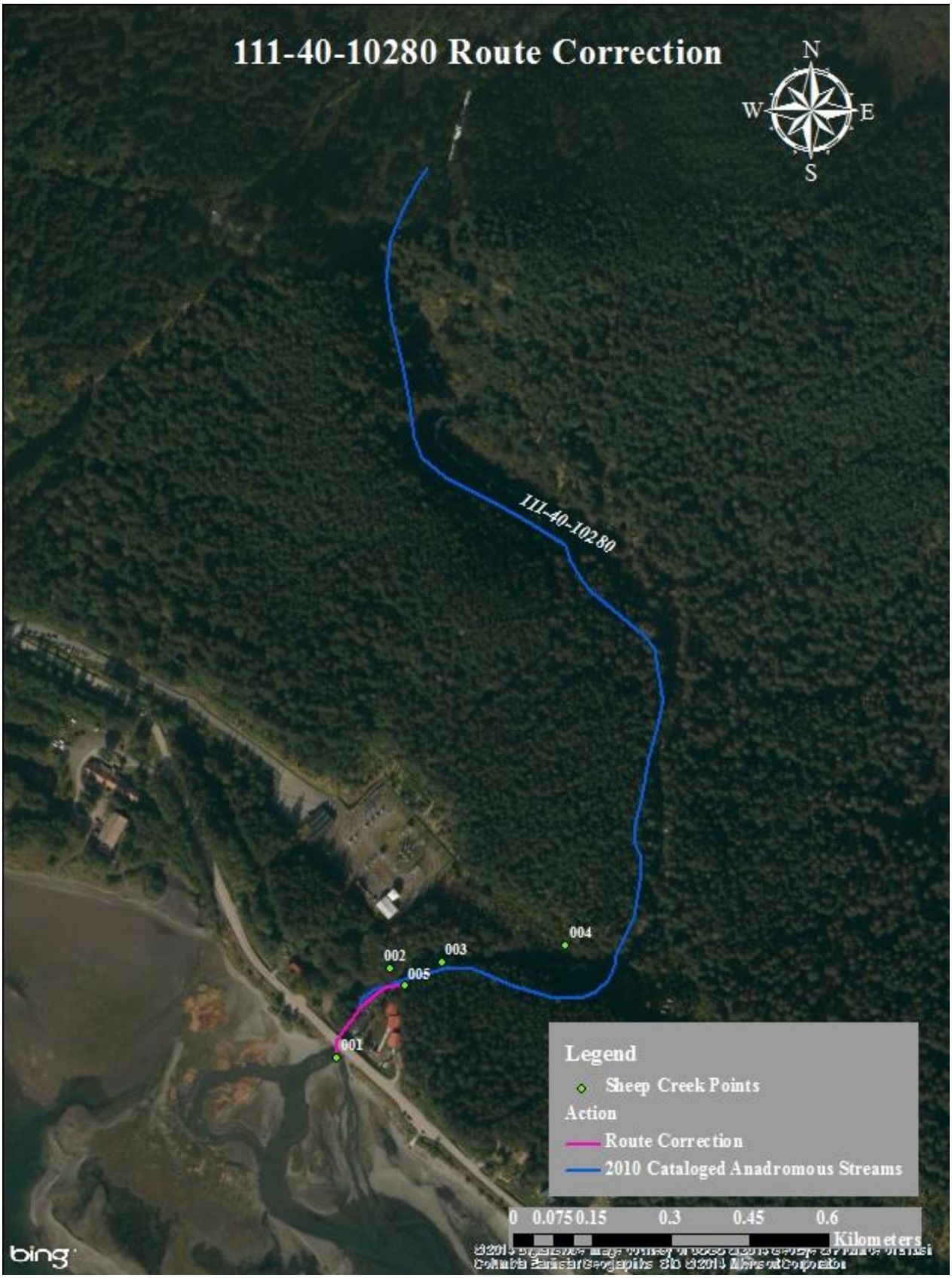

Figure 4.–111-40-10280 route correction map.

111-40-10910 CORRECTION

Water body name: Grant Creek **Survey date:** 6/17/2010
Water body number: 111-40-10910 **Species & Lifestage:** COp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: We conducted a route survey using a GPS (Table 1). Potential fish habitat terminates at a poorly placed culvert under North Douglas highway. The outlet is perched and the inlet is set two feet below the streambed (Figure 1). The upper portion of the stream maintains a 15% gradient with some areas for rearing, while spawning would most likely take place in the intertidal (Figure 2).
Recommendations: Correct the current stream route in the AWC (Figure 3).
Nomination: 11-515

Table 1.–111-40-10910 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3039	-134.4494	Mouth of stream into wetlands.	RS	
2	58.3039	-134.4496	Base of bedrock reach, 30' long at 15% gradient.	RS	
3	58.3038	-134.4498	End of bedrock stretch, large boulders and cobbles. Good rearing, but not spawning habitat.	RS	
4	58.3034	-134.4502	Outlet of culvert that crosss under North Douglas Highway. Stream maintains a 15% gradient from bedrock reach to culvert inlet.	RS	
5	58.3033	-134.4508	Culvert inlet. Stream bed is 2' higher than culvert inlet.	RS	

Figure1.–Outlet of perched culvert.

Figure 2.–Looking upstream toward road.

Figure 3.–111-40-10910 route correction map.

111-40-10940 CORRECTION

Water body name: Falls Creek **Survey date:** 6/17/2010
Water body number: 111-40-10940 **Species & Lifestage:** DVp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: We surveyed Falls Creek using minnow traps and a GPS (Table 1). A culvert perched 5.5 feet passing beneath North Douglas highway is a barrier to anadromous fish (Figure 1). Minnow traps set above the culvert and below a large log jam yielded three DV (Figure 2). The anadromous portion of the stream has intermittent spawning gravels, large wood debris, and large boulders with overhanging vegetation.
Recommendations: Correct the current route in the AWC (Figure 3). Future investigation is needed to confirm anadromous fish use below the culvert.
Nomination: 11-209

Table 1.–111-40-10940 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
6	58.3228	-134.4825	Set trap above culvert and below a 4' falls created by large woddy debris.	MT	3 DV
7	58.3234	-134.4818	Inside mouth of 90" culvert with 8% gradient and 5.5' perch.		
8	58.3232	-134.4819	Base of perched culvert with large boulders beneath, 2' deep plunge pool.		
9	58.3237	-134.4814	Lower extent of stream.		

Figure 1.–Perched culvert on Falls Creek.

Figure 2.–Elevated streambed and log jam.

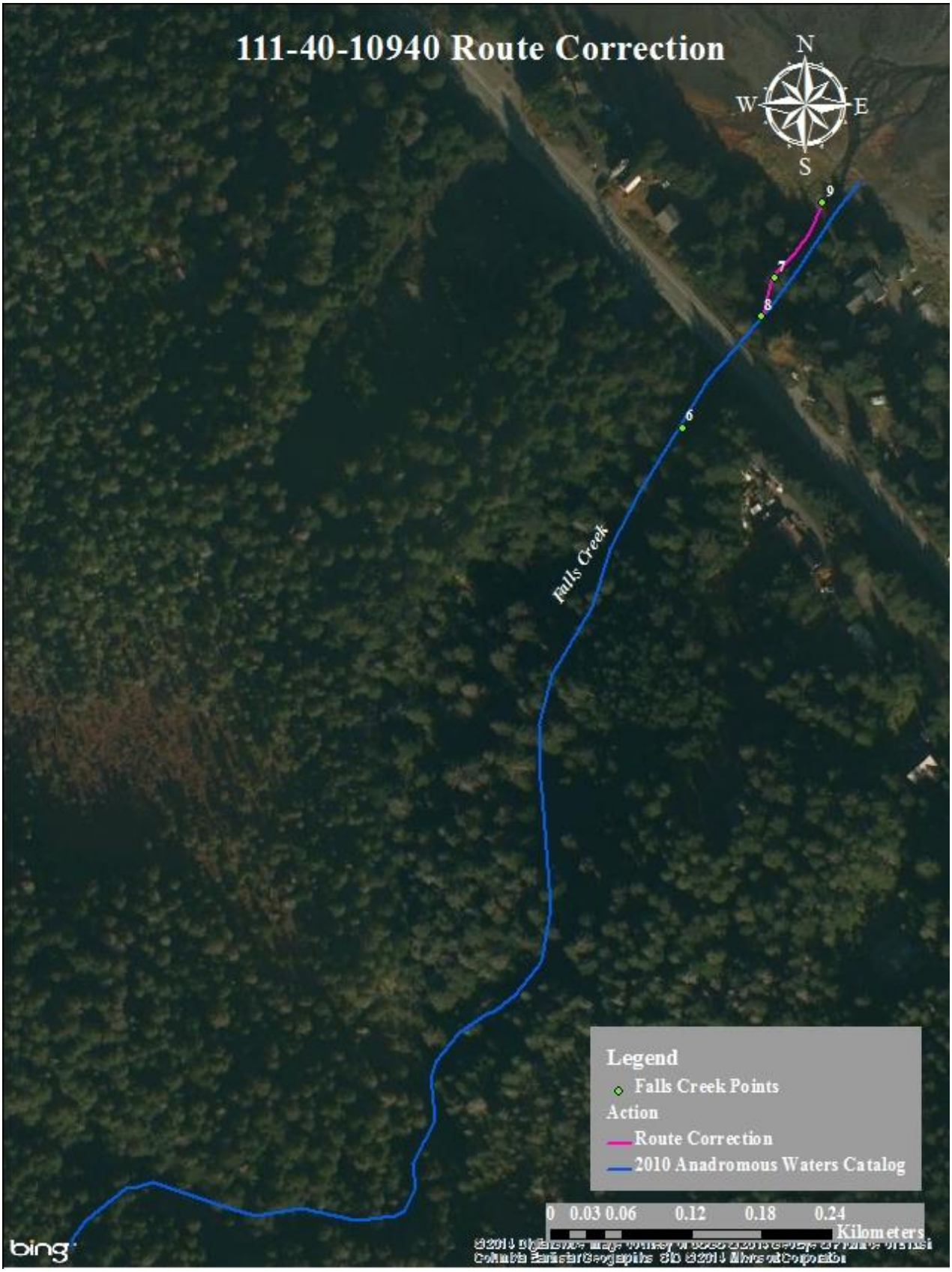

Figure 3.–111-40-10940 route correction map.

111-40-10980 CORRECTION

Water body name: Hendrickson Creek **Survey date:** 6/3/2010
Water body number: 111-40-10980 **Species & Lifestage:** COr, Ps, CTr, DVp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: We surveyed Hendrickson Creek with minnow traps, a backpack electrofisher, and a GPS (Table 1). We captured rearing coho salmon and cutthroat trout (Figures 1, 2). The mapped stream route in the AWC is inconsistent with the actual stream route.
Recommendations: Correct the current route in the AWC (Figure 3).
Nomination: 10-743

Table 1.–111-40-10980 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3403	-134.5235	Begin track where tidal influence ends.		
2	58.3399	-134.5250	Tributary entering on river left.		
3	58.3370	-134.5248	Trap in a deep pool.	MT	3 CT, 2 DV
4	58.3351	-134.5241	Electrofished in deep pool below a loggy cascade.	EF	1 CT
5	58.3295	-134.5275	Tributary.		
6	58.3286	-134.5265	Electrofished in pool below bedrock cascade.	EF	1 CT
7	58.3278	-134.5253	Electrofished in shallow freffle above barrier.	EF	1 CT
8	58.3278	-134.5254	Trap set in shallow pool below barrier.	MT	No Fish
9	58.3271	-134.5250	End survey. No fish caught last three attempts.		
10	58.3291	-134.5283	Electrofished small tributary.	EF	Unknown

Figure 1.–CT captured in Hendrickson Creek.

Figure 2.–CT captured in Hendrickson Creek.

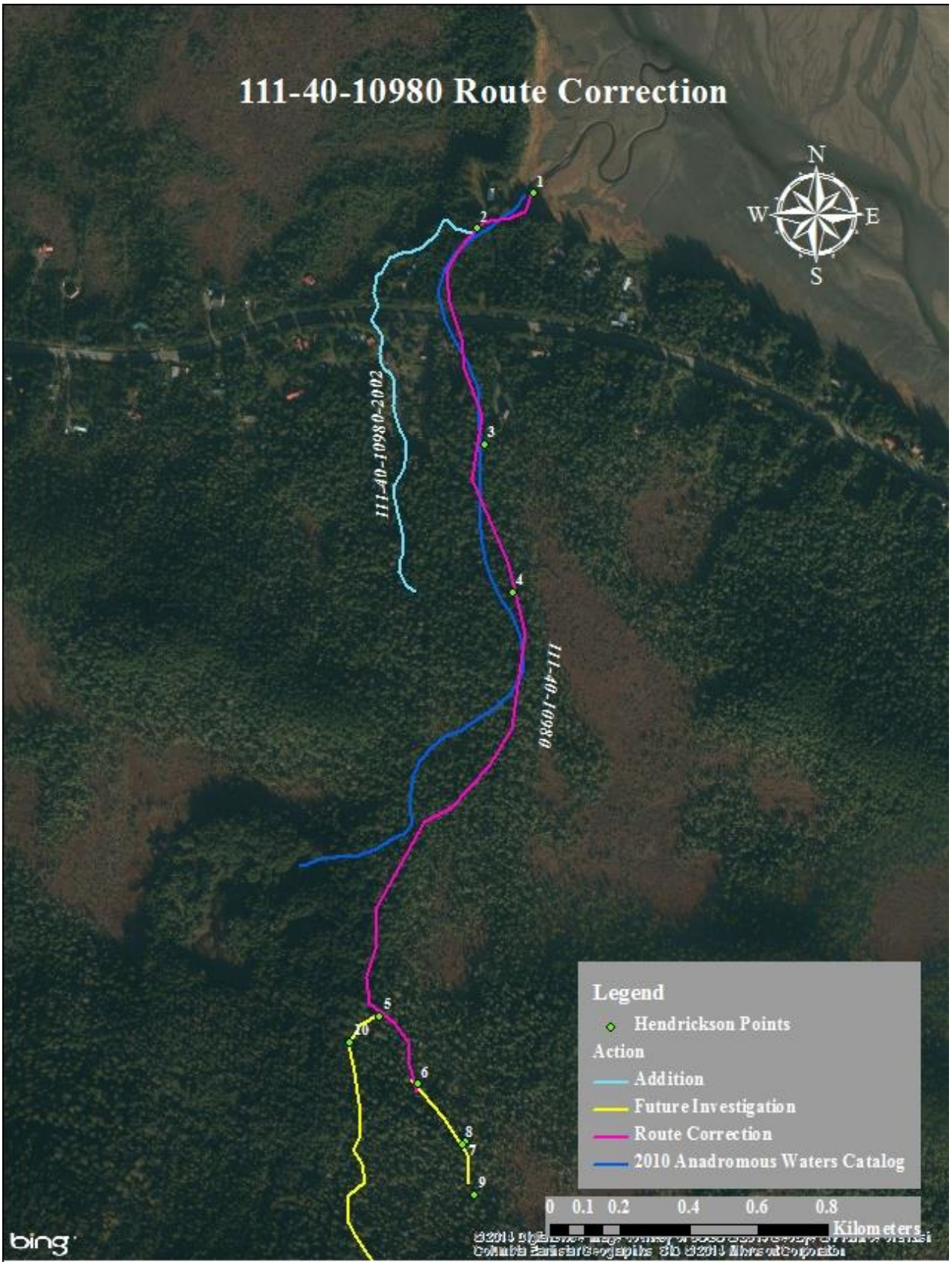

Figure 3.–111-40-10980 route correction map.

Juneau

111-40-10980-2002 ADDITION

Water body name: **Survey date:** 5/28/2010
Water body number: 111-40-10980-2002 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C041S067E **Quad:** Juneau B-2
Findings: We surveyed this tributary with minnow traps and a GPS (Table 1). Minnow traps were set along the uncataloged tributary, which yielded 19 coho smolts, 26 DV, and 1 sculpin (Figures 1, 2, 3). The stream was walked to the end of anadromous habitat which terminates at a gradient of 20% and subsurface trickle from a forested wetland. The stream's substrate consists of fines, organics, and gravels, punctuated with small cascades created by woody debris. The upper reach flows through a steep forested muskeg and further exploration was limited due to extremely low water flow.
Recommendations: Add stream to the AWC (Figure 4).
Nomination: 10-743

Table 1.–111-40-10980-2002 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
4	58.3372	-134.5270	Trap set in deep pool below a small cascade, below french drain.	MT	9 DV
5	58.3370	-134.5269	Owner created a rough french drain that water trickling out of approximately 14' across.		
6	58.3369	-134.5268	Stream seeps into gravels. Very low flows.		
7	58.3351	-134.5266	End of potential anadromy. Stream just a seep and flows subsurface and gradient steepends to 20%.		
8	58.3388	-134.5276	Set trap in scour pool below culvert on North Douglas Highway	MT	6 CO, 3 DV
9	58.3386	-134.5278	Set trap above North D. culvert in shallow pool w/ fines, cobbles	MT	4 CO, 3 DV
10	58.3384	-134.5274	Set trap in deep pool below 1' cascade, below french drain	MT	9 CO, 12 DV, 1 TSB
11	58.3370	-134.5269	Set trap above french drain in small pool w/ fines, gravels	MT	5 DV

Figure 1.–CO captured in tributary.

Figure 2.–CO and DV captured in tributary.

Figure 3.–CO captured in tributary.

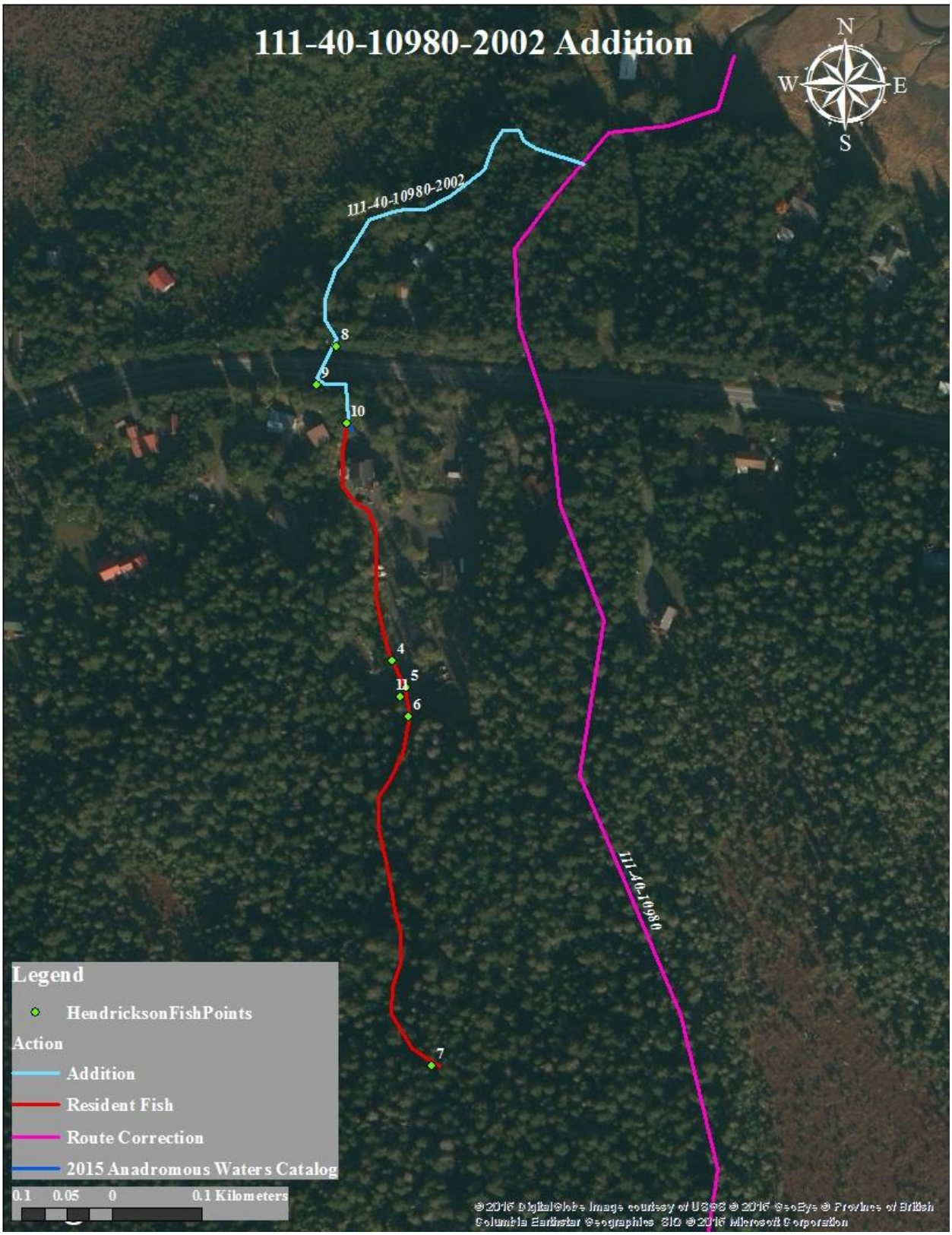

Figure 4.–111-40-10980-2002 addition map.

111-41-10180 CORRECTION

Water body name: Fowler Creek **Survey date:** 6/10/2013
Water body number: 111-41-10180 **Species & Lifestage:** CHp, COp, Pp
Watershed: Admiralty Creek-Frontal Stephens Passage
MTR: C043S065E **Quad:** Juneau A-3
Findings: We conducted a survey of Fowler Creek using a backpack electrofisher and a GPS (Table 1). The current route for Fowler Creek is incorrect.
Recommendations: Correct the current route in the AWC (Figure 1).
Nomination: 13-630

Table 1.–111-41-10180 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
47	58.1572	-134.7044	Mouth of Fowler Creek.	EF	2 CO
51-53	58.1587	-134.7139	At base of lower beaver dam.	EF	2 CO, 1 SB
54	58.1552	-134.7181	Above lower beaver dam.	EF	1 CO, 1 LP
55	58.1535	-134.7232	Below upper beaver dam.	EF	1 CO
56-60	58.1533	-134.7293	Inlet from upper bearver dam.	EF	7 CO
61-65	58.1473	-134.7267	All points above upper beaver dam.	EF	5 CO, 2 DV, 1 CT
80	58.1468	-134.7255	Drainage.	EF	1 CT, 1 SC
81	58.1463	-134.7253	Drainage.	VL	2 LP
260	58.1459	-134.7285		VL	7 LP
83	58.1454	-134.7286	Near AWC extent.	EF	1 RT

Figure 2.–111-41-10180 route correction map.

111-41-10180-2003 ADDITION

Water body name: Liza Creek **Survey date:** 6/10/2013
Water body number 111-41-10180-2003 **Species & Lifestage:** COr
Watershed: Admiralty Creek-Frontal Stephens Passage
MTR: C043S065E **Quad:** Juneau A-3
Findings: We conducted a survey of this tributary to Fowler Creek using a backpack electrofisher and a GPS (Table 1). We captured rearing coho salmon, Dolly Varden char, and cutthroat trout in this uncataloged tributary.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 13-628

Table 1.–111-41-10180-2003 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
230	58.1482	-134.6930	Mouth of tributary.	EF	2 CO
231	58.1553	-134.6988		EF	2 CT
232	58.1532	-134.6986		EF	2 CO
233-236	58.1491	-134.6915	Gradient increasing between points.	EF	3 DV

Figure 1.–111-41-10180-2003 addition map.

111-41-10180-2005 ADDITION

Water body name: Annie Creek **Survey date:** 6/10/2013
Water body number: 111-41-10180-2005 **Species & Lifestage:** COr
Watershed: Admiralty Creek-Frontal Stephens Passage
MTR: C043S065E **Quad:** Juneau A-3
Findings: We surveyed this tributary to Fowler Creek using a backpack electrofisher and a GPS (Table 1). We captured rearing coho salmon, Dolly Varden char and cutthroat trout in this uncataloged tributary.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 13-629

Table 1.–111-41-10180-2005 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
244-247	58.1456	-134.6953	Gradient increasing between points.	EF	DV, CT
248	58.1518	-134.7004		EF	2 CO

Figure 1.–111-41-10180-2005 addition map.

111-41-10180-2030 ADDITION

Water body name: **Survey date:** 6/10/2013
Water body number: 111-41-10180-2030 **Species & Lifestage:** COp
Watershed: Admiralty Creek-Frontal Stephens Passage
MTR: C043S065E **Quad:** Juneau A-3
Findings: We surveyed this tributary to Fowler Creek using a backpack electrofisher and a GPS (Table 1). We captured rearing coho salmon, Dolly Varden char, and cutthroat trout.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 13-630

Table 1.–111-41-10180-2030 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
66	58.1532	-134.7402	Upper beaver dam complex, .4 miles downstream of road A.	MT	2 CO, 3 DV, 1 CT
69	58.1520	-134.7380	Upper beaver dam.	MT	4 DV
70	58.1515	-134.7365	Upper beaver dam complex. Captured 2 rough-skinned newts in minnow traps.	MT	No Fish
71-77	58.1532	-134.7927	Upper beaver dam near Fowler Creek.	MT	5 CO, 8 DV, 5 CT

Figure 1.–111-41-10180-2030 addition map.

111-50-10070-2004 CORRECTION

Water body name: Herbert River **Survey date:** 4/24/2015
Water body number: 111-50-10070-2004
Species & Lifestage: CHp, COp, Pp, Sp, CTp, DVp, SHp
Watershed: Herbert River-Eagle River
MTR: C038S065E **Quad:** Juneau C-3
Findings: We surveyed the upper extent of Herbert River using minnow traps and a GPS (Table 1). The lake has been replaced by a braided alluvial fan.
Recommendations: Change upper extent in the AWC to waypoint 44 where we captured a juvenile coho salmon (Figure 1). Delete the AWC point for the lake; Stream No. 111-50-10070-2004-0010 (Figures 2, 3).
Nomination: 15-616, 15-611 (Remove Lake)

Table 1.–111-50-10070-2004 survey data

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
44	58.5304	-134.7002	Calm side channel	MT	20 CO

Figure 1.–40mm coho salmon captured in a calm side channel of Herbert River (waypoint 44).

Figure 2.–Herbert River Lake no longer exists. It is currently a braided alluvial fan.

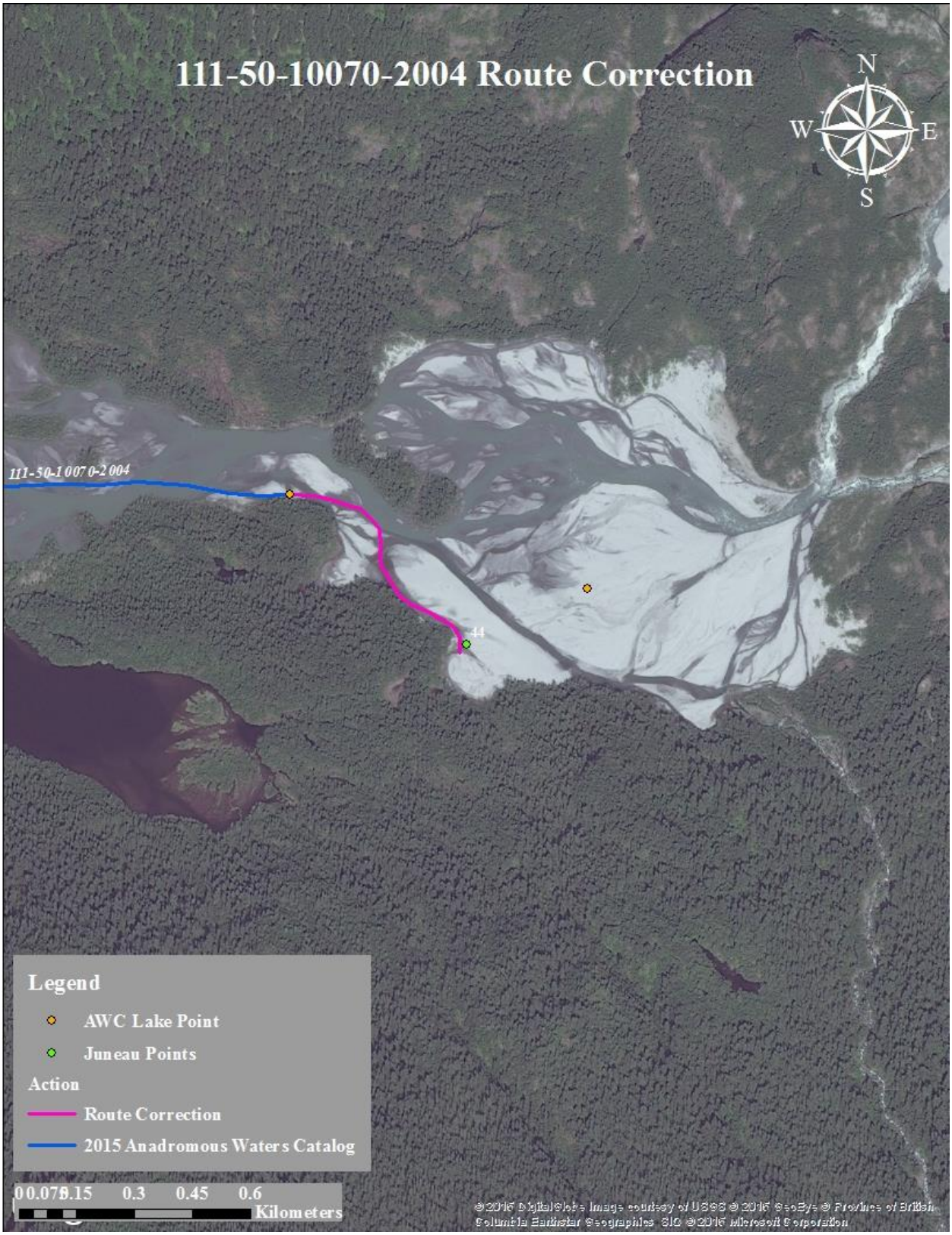

Figure 3.–111-50-10070-2004 route correction map.

111-50-10070-2004-3030 ADDITION

Water body name: **Survey date:** 4/24/2015
Water body number: 111-50-10070-2004-3030 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C038S065E **Quad:** Juneau C-3
Findings: We surveyed this beaver impoundment with baited minnow traps and a GPS (Table 1). This beaver lake provides habitat for rearing coho.
Recommendations: Add stream to the AWC. Last coho captured at waypoint 52.
Nomination: 15-613

Table 2.–111-50-10070-2004-3030 Survey Data

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
50	58.5307	-134.7154	Beaver Lake	MT	6 CO , 12 DV
51	58.5306	-134.7149	Beaver Lake	MT	1 CO
52	58.5306	-134.7146	Beaver Lake	MT	

Figure 1.–Herbert River beaver lake.

Figure 2.–Coho captured in the beaver lake.

Figure 3.–111-50-10070-2004-3030 addition map.

111-50-10070-2004-3031 ADDITION

Water body name: **Survey date:** 4/9/2015
Water body number: 111-50-10070-2004-3031 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C038S065E **Quad:** Juneau C-3
Findings: We surveyed this tributary to Herbert River with baited minnow traps and a GPS (Table 1). This stream and beaver pond provides habitat for rearing coho (Figures 1, 2).
Recommendations: Add to the AWC (Figure 3).
Nomination: 15-612

Table 3.–111-50-10070-2004-3031 Survey Data

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
10	58.5358	-134.7206	Beaver Complex 1	MT	10 DV
11	58.5354	-134.7208	Beaver Complex 1	MT	3 CO, 5 DV
12	58.5347	-134.7188	Beaver Complex 1	MT	1 DV
13	58.5345	-134.7185	Beaver Complex 1	MT	
14	58.5339	-134.7954	Beaver Complex 1	MT	5 CO, 10 DV

Figure 1.–Beaver complex 1 and upper extent of anadromy, waypoint 11.

Figure 2.–Coho captured in beaver complex 1.

Figure 3.–111-50-10070-2004-3031 addition map.

111-50-10070-2004-3036 ADDITION

Water body name: **Survey date:** 4/24/2015
Water body number: 111-50-10070-2004-3036 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C038S065E **Quad:** Juneau C-3
Findings: We sampled this tributary to Herbert River with minnow traps and a GPS (Table 1). This stream and beaver pond provides habitat for rearing coho (Figures 1, 2).
Recommendations: Add stream to the AWC, caught coho salmon up to WP 49 (Figure 3).
Nomination: 15-614

Table 4.–111-50-10070-2004-3036 Survey Data

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
47	58.5311	-134.7038	Beaver Complex 2	MT	17 CO
49	58.5309	-134.7044	Beaver Complex 2	MT	23 CO
57	58.5309	-134.7046	End of Beaver Complex 2	MT	

Figure 1.–Beaver complex 2.

Figure 2.–Coho captured in beaver complex 2.

Figure 3.–111-50-10070-2004-3036 addition map.

111-50-10070-2004-3006-4001 ADDITION

Water body name: **Survey date:** 8/4/2010
Water body number: 111-50-10070-2004-3006-4001 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C039S065E **Quad:** Juneau C-3
Findings: We conducted a survey of this tributary into Windfall Creek using a handnet, visual identifications and a GPS (Table 1). The tributary is anadromous up to waypoint 13, after which no CO were captured. The stream flows through a large marsh and the channel becomes more defined as it approaches the mainstem of Windfall Creek. There is a medium-sized beaver dam at the mouth; however, based on the number of coho captured and observed above the dam that fish have no problem passing the dam.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 10-815

Table 1.–111-50-10070-2004-3006-4001 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
4	58.5127	-134.7410	Tributary entering on river right.		
5	58.5127	-134.7404	Netted 2 CO in beaver dam stream.	HN	2 CO
6	58.5126	-134.7396	Netted 1 CO and visually identified CO.	HN/VL	1 CO
7	58.5125	-134.7384	Many CO visually identified.	VL	CO
8	58.5125	-134.7381	Stream opens into large grassy meadow, many CO, no defined channel.	VL	CO
9	58.5128	-134.7370	Netted 3 CO, visual on many more.	HN/VL	3 CO
10	58.5131	-134.7367	End of CO on this side of channel.		
12	58.5128	-134.7359	Large CO.	VL	CO
13	58.5124	-134.7340	Tributary entering on river left.	HN	CO
14	58.5134	-134.7327	At foot bridge on Windfall Lake trail.	HN	DV, ST

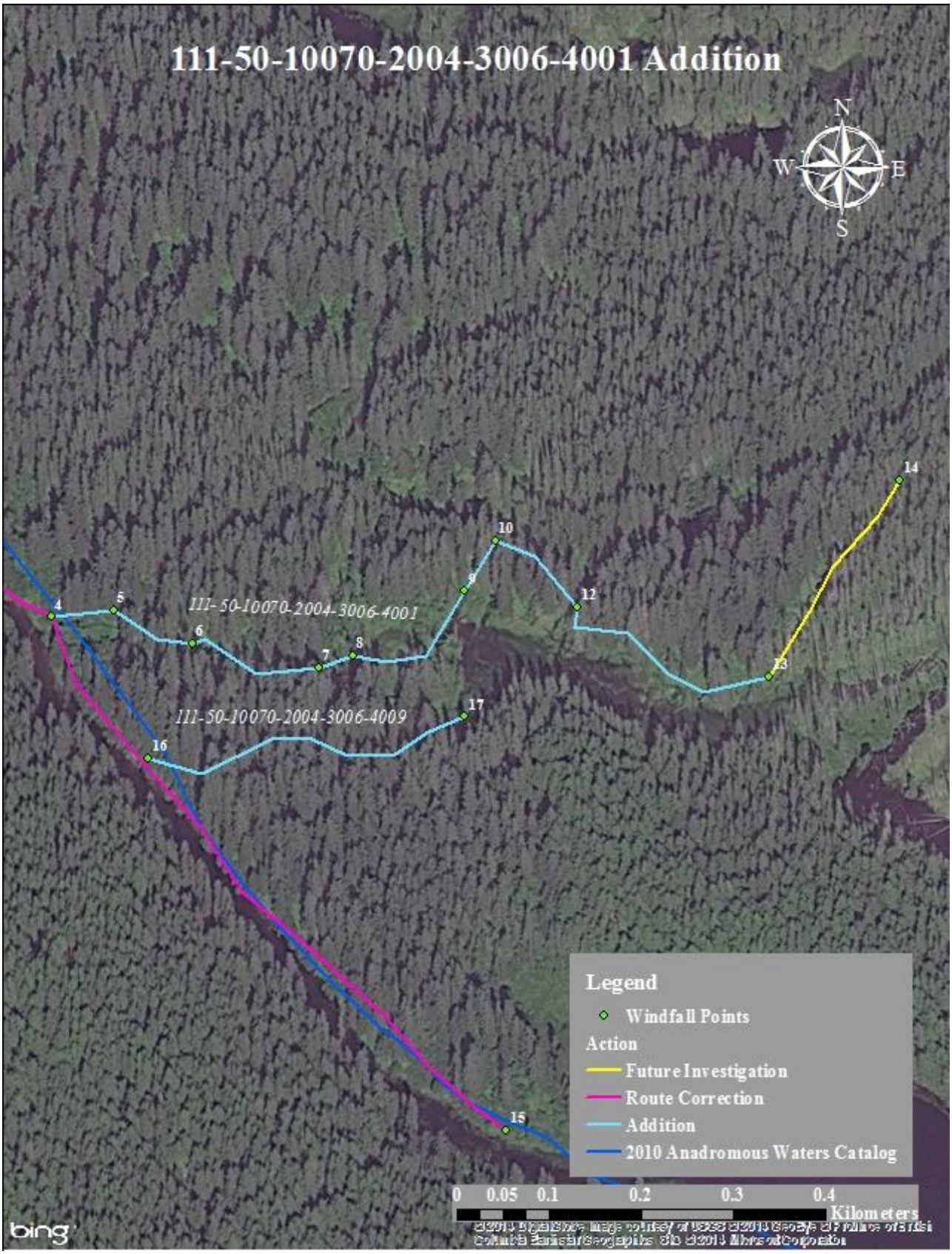

Figure 1.–111-50-10070-2004-3006-4001 addition map.

Juneau

111-50-10070-2004-3006-4009 ADDITION

Water body name: **Survey date:** 8/4/2010
Water body number: 111-50-10070-2004-3006-4009 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C039S065E **Quad:** Juneau C-3
Findings: We surveyed this tributary into Windfall Creek using visual identification and a GPS (Table 1). It originates in a grassy marsh and flows to meet Windfall Creek on the right bank (Figures 1, 2). The stream is well-defined after emerging from the marsh. Lots of large woody debris provides good rearing habitat and the substrate is mainly small gravels and sand with intermittent deep organic mud. Fish were visually identified up to waypoint 17, where the stream became a seep (Figures 3, 4).
Recommendations: Add stream to the AWC (Figure 5).
Nomination: 10-815

Table 1.–111-50-10070-2004-3006-4009 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
16	58.5120	-134.7401	Tributary entering on river right.		
17	58.5122	-134.7370	Tributary originates at the same grassy marsh. Baited and visually identified CO to the top.	VL	CO

Figure 1.–Windfall tributary.

Figure 2.–Mouth of tributary.

Figure 3.–CO captured in tributary.

Figure 4.–CO captured in tributary.

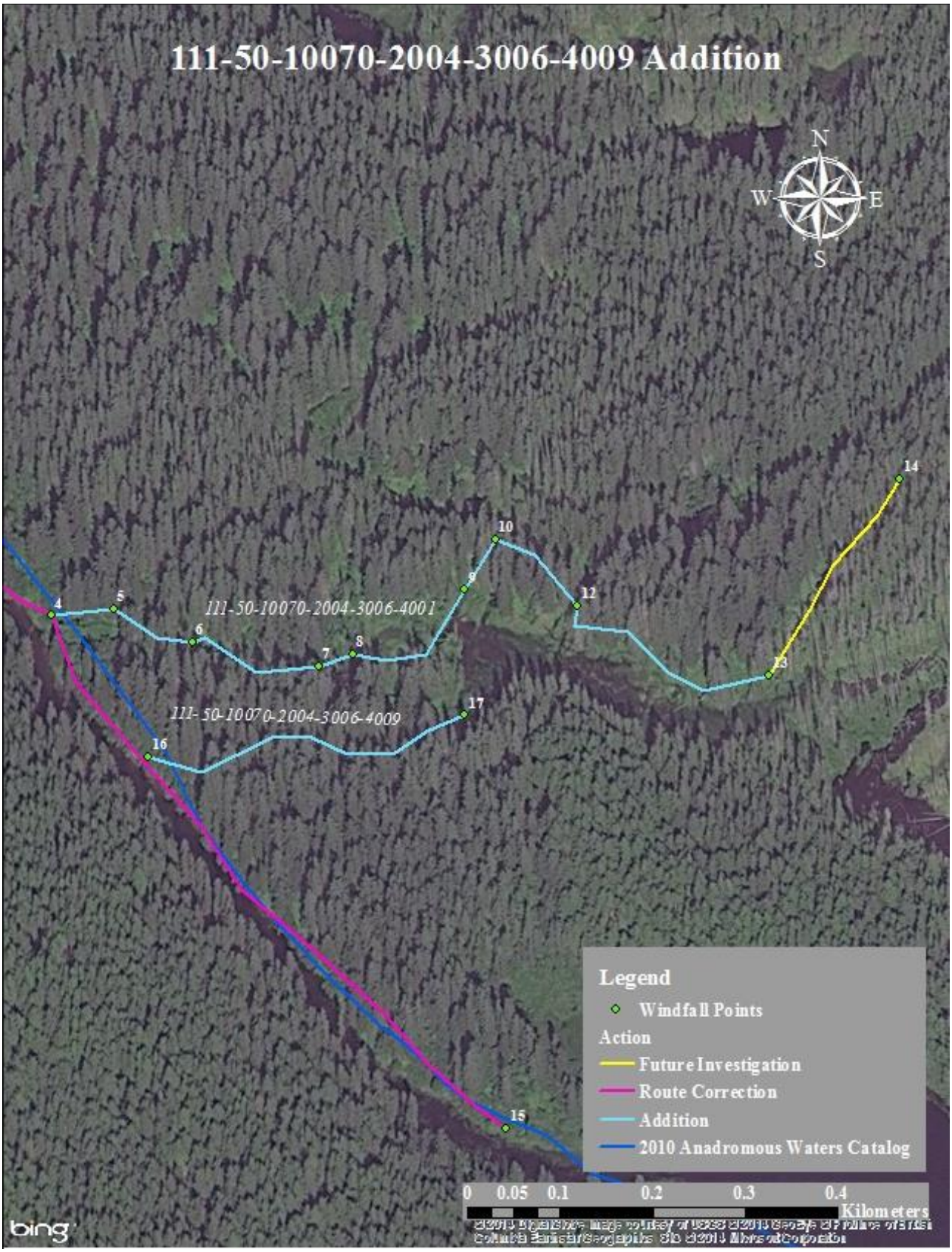

Figure 5.–111-50-10070-2004-3006-4009 addition map.

111-50-10070-2007 ADDITION

Water body name: **Survey date:** 8/4/2010
Water body number: 111-50-10070-2007 **Species & Lifestage:** COr, CTr, DVr
Watershed: Herbert River-Eagle River
MTR: C038S064E **Quad:** Juneau C-3
Findings: We surveyed this tributary to Eagle River using minnow traps and a GPS (Table 1). Tributary appears to provide rearing and some spawning habitat. Placed a total of 6 minnow traps within stream and did not observe any barriers between confluence with Eagle River and last waypoint.
Recommendations: Add stream to the AWC and include rearing coho salmon, Dolly Varden and cutthroat trout presence (Figure 1).
Nomination: 10-730

Table 1.–111-50-10070-2007 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.5336	-134.8028	Confluence with Eagle River.		
2	58.5341	-134.8030	Set a minnow trap. Captured 19 CO between 90-100mm and 3 DV between 80-100mm.	MT	19 CO, 3 DV
3	58.5347	-134.8022	Set a minnow trap. Captured 11 CO between 50-120mm.	MT	11 CO
4	58.5356	-134.8016	Set a minnow trap. Captured 2 CO between 50-60mm, 2 CT about 80mm and 1 DV about 80mm.	MT	2 CO, 2 CT, 1 DV
5	58.5359	-134.8008	Observed 1 adult chum. Set a minnow trap. Captured 4 CO between 100-110mm, 20 DV about 80mm.	VL, MT	1 CH, 4 CO, 20 DV
6	58.5362	-134.8003	Set a minnow trap. Captured 1 DV about 120mm.	MT	1 DV
7	58.5366	-134.7994	Set a minnow trap.	MT	No Fish
8	58.5366	-134.7988	End of stream survey. Did not come across any barrier up to this point.		

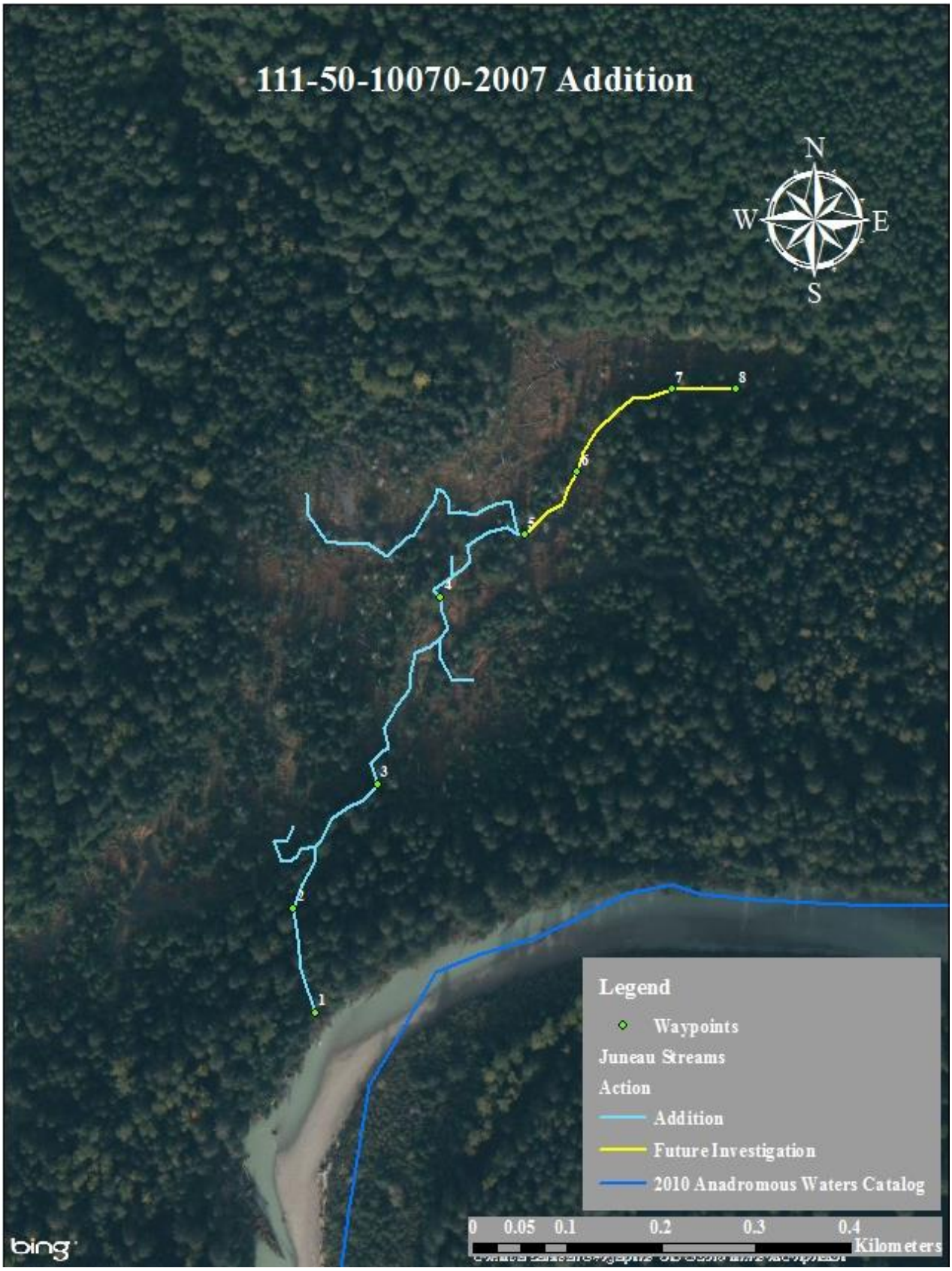

Figure 1.–111-50-10070-2007 addition map.

111-50-10070-2007-3005 ADDITION

Water body name: **Survey date:** 8/4/2010
Water body number: 111-50-10070-2007-3005 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C038S064E **Quad:** Juneau C-3
Findings: I surveyed this tributary to Eagle River using minnow traps and a GPS (Table 1). The stream originates from a small wetland area. The stream channel is about 10' wide and close to 4' deep.
Recommendations: Add stream to the AWC and include rearing coho salmon (Figure 1).
Nomination: 10-731

Table 1.–111-50-10070-2007-3005 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.5344	-134.8028	Confluence of uncataloged tributary with another tribuary.		
2	58.5345	-134.8030	Set a minnow trap. Captured 3 CO between 60-80mm.	MT	3 CO

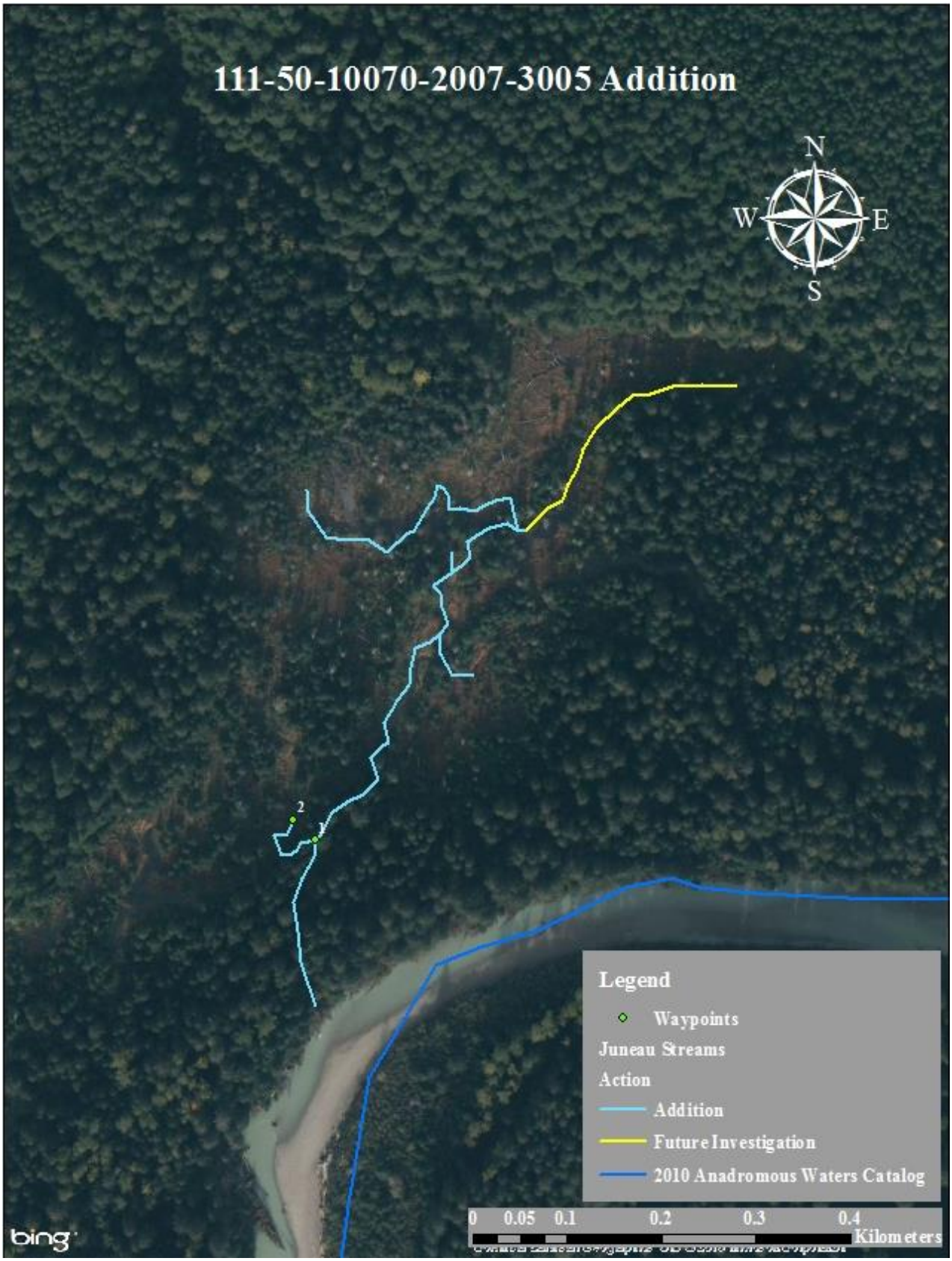

Figure 1.–111-50-10070-2007-3005 addition map.

111-50-10070-2007-3012 ADDITION

Water body name: **Survey date:** 8/4/2010
Water body number: 111-50-10070-2007-3012 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C038S064E **Quad:** Juneau C-3
Findings: I surveyed and minnow trapped this tributary to an uncataloged tributary to Eagle River (Table 1). Stream channel is about 5' wide and 2' deep.
Recommendations: Add stream to the AWC and include rearing coho salmon (Figure 1).
Nomination: 10-732

Table 1.–111-50-10070-2007-3012 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.5353	-134.8016	Confluence with other uncataloged tribuary to Eagle River.		
2	58.5352	-134.8015	Set a minnow trap. Captured 6 CO between 40-60mm.	MT	6 CO
3	58.5352	-134.8013	Set a minnow trap. Captured 3 CO about 40mm.	MT	3 CO

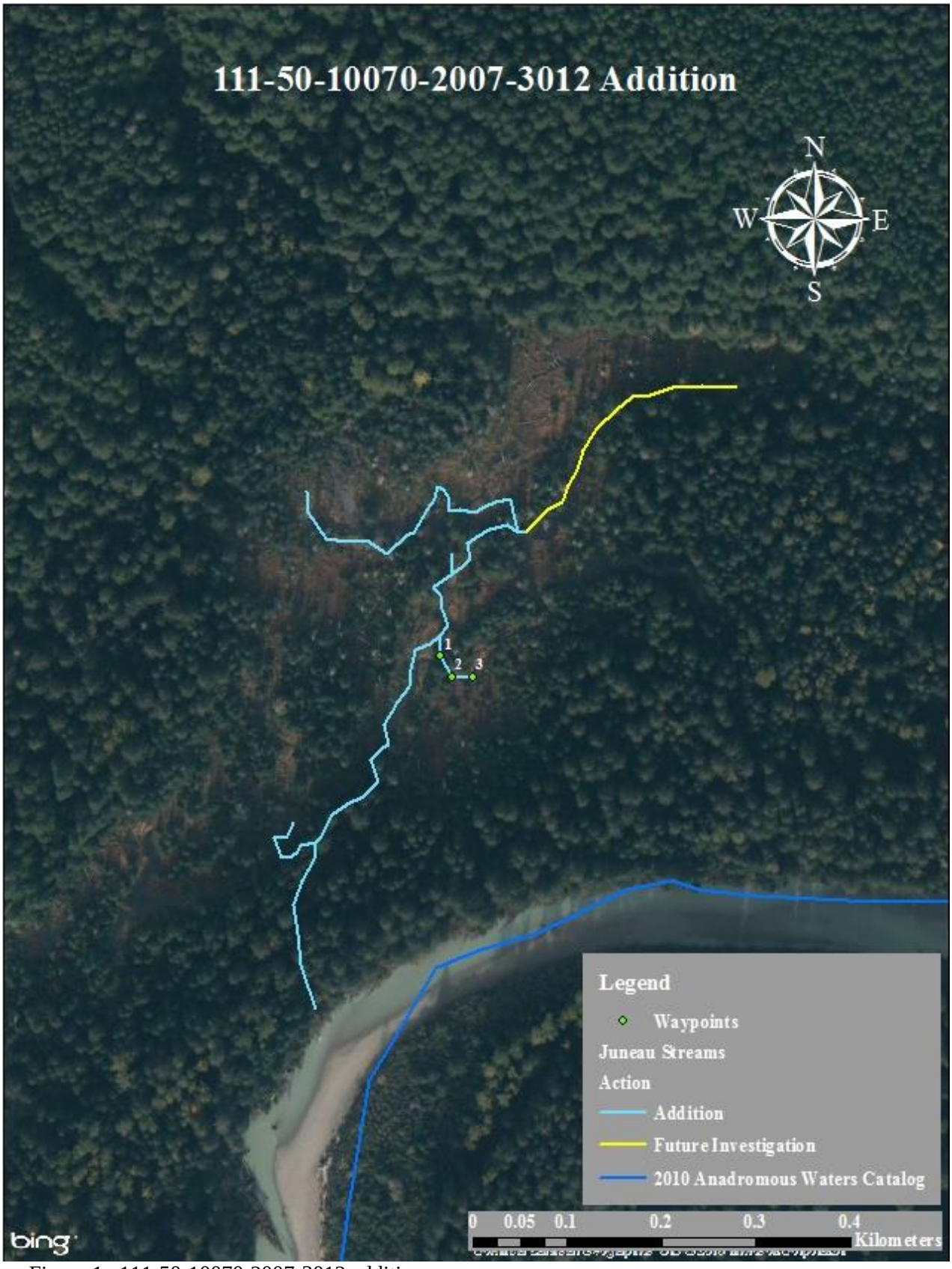

Figure 1.–111-50-10070-2007-3012 addition map.

111-50-10070-2007-3015 ADDITION

Water body name: **Survey date:** 8/4/2010
Water body number: 111-50-10070-2007-3015 **Species & Lifestage:** COr
Watershed: Herbert River-Eagle River
MTR: C038S064E **Quad:** Juneau C-3
Findings: I surveyed and minnow trapped this tributary to an uncataloged tributary of Eagle River (Table 1). Tributary originates from a small upwelling and provides rearing habitat. The stream ends abruptly at a small berm. The stream channel is about 2' wide and 1' deep.
Recommendations: Add stream to the AWC and include rearing coho salmon (Figure 1).
Nomination: 10-733

Table 1.–111-50-10070-2007-3015 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.5357	-134.8015	Confluence with other uncataloged tributary.		
2	58.5358	-134.8015	Set a minnow trap. Captured 10 CO between 30-40mm.	MT	10 CO

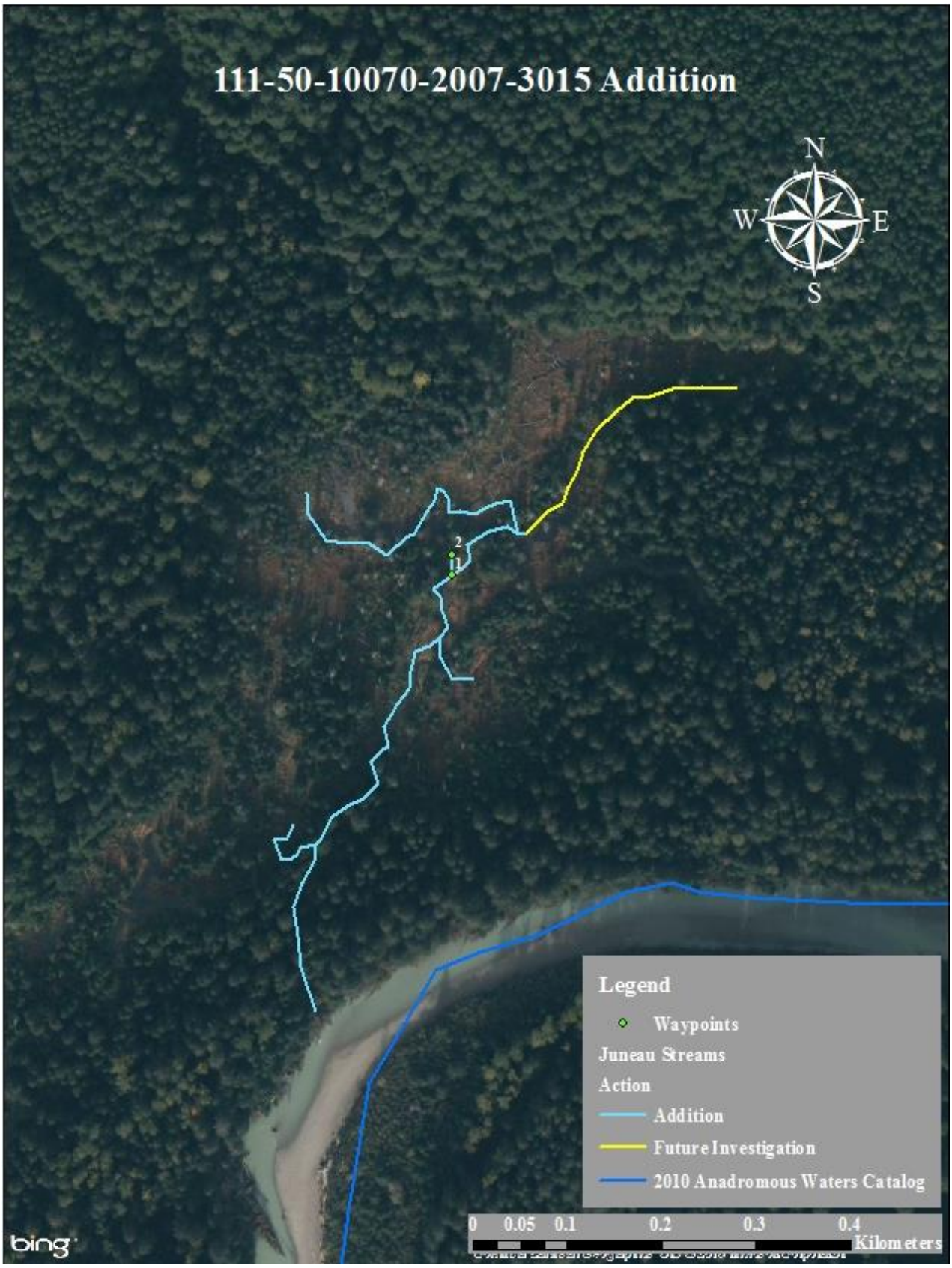

Figure 1.–111-50-10070-2007-3015 addition map.

111-50-10070-2007-3017 ADDITION

Water body name: **Survey date:** 9/27/2014
Water body number: 111-50-10070-2007-3017 **Species & Lifestage:** COr, DVr
Watershed: Herbert River-Eagle River
MTR: C038S064E **Quad:** Juneau C-3
Findings: I surveyed this small tributary using minnow traps and a GPS (Table 1). Stream originates from a small upwelling and provides good rearing habitat. The stream ends at a small pool where numerous fish were observed.
Recommendations: Add stream to the AWC and include rearing coho salmon and rearing Dolly Varden char (Figure 1).
Nomination: 10-734

Table 1.–111-50-10070-2007-3017 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.5359	-134.8009	Confluence of uncataloged tributary with uncataloged tribuary.		
2	58.5358	-134.8021	Set a minnow trap. 2 CO about 60mm.	MT	2 CO
3	58.5359	-134.8028	Set a minnow trap. Captured no fish.	MT	No Fish
4	58.5361	-134.8029	Set a minnow trap. Captured 2 DV in a small pool between 30-40mm.	MT	2 DV

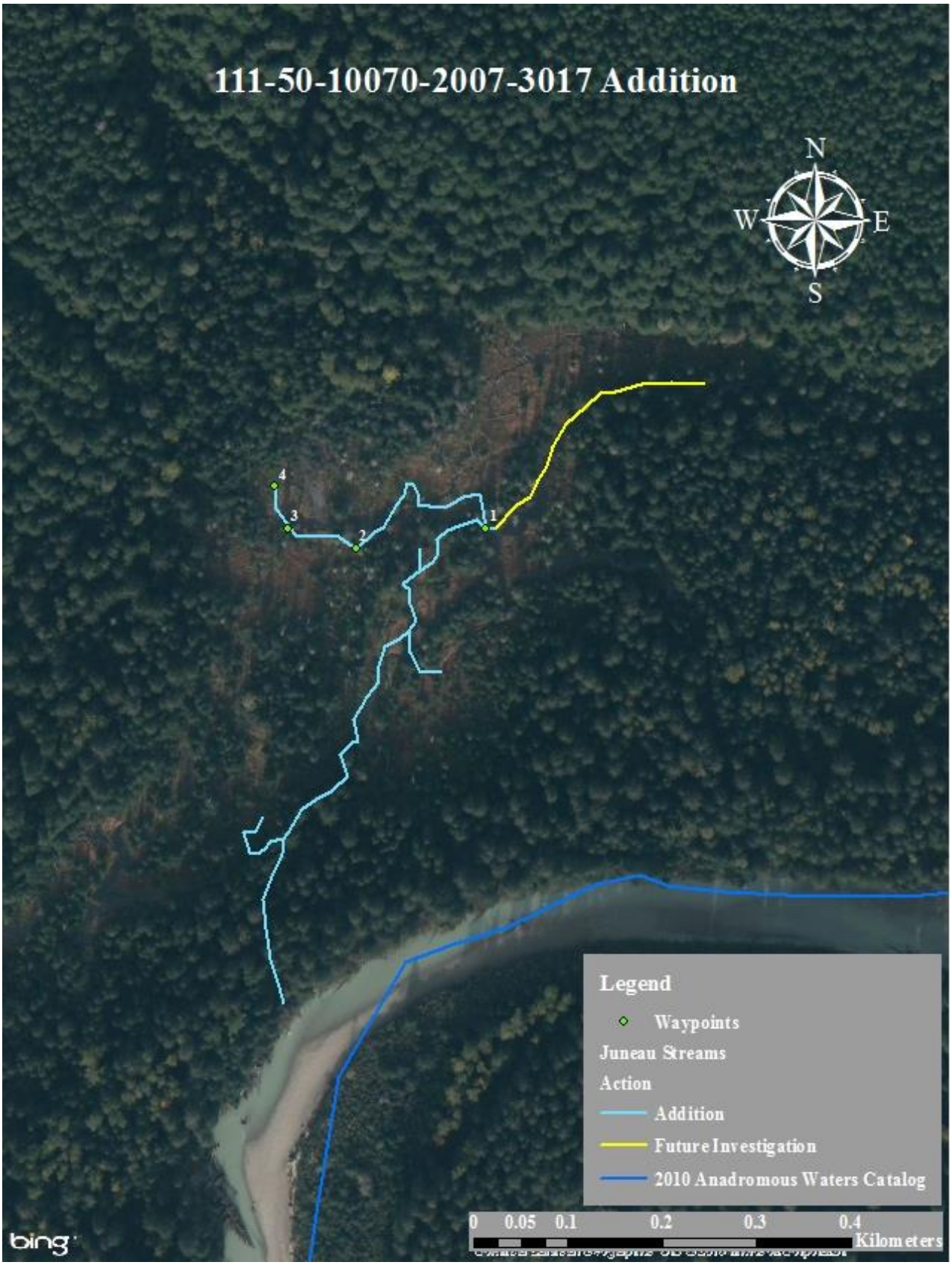

Figure 1.–111-50-10070-2007-3017 addition map.

111-50-10140 CORRECTION

Water body name: Shrine Creek **Survey date:** 4/8/2010
Water body number: 111-50-10140 **Species & Lifestage:** COr, Ps, CTp, DVp
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C039S064E **Quad:** Juneau B-3
Findings: We surveyed Shrine Creek using a backpack electrofisher and a GPS (Table 1). The upper extent of anadromy extends past the cataloged upper limit. We captured juvenile CO and P salmon and found an old car (Figures 1, 2, 3, and 4). The stream crosses Glacier Highway in a different location then what is shown in AWC.
Recommendations: Correct the current route in the AWC (Figure 5).
Nomination: 11-502

Table 1.–10113-41-10140 tributary survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
13	58.4553	-134.7727		EF	CO
14	58.4556	-134.7723	Parr.	EF	CO
15	58.4525	-134.7709	Smolt.	EF	CO
16	58.4515	-134.7697		EF	CO
17	58.4496	-134.7695		EF	CO

Figure 1.–CO captured in Shrine Creek.

Figure 2.–CO captured.

Figure 3.–Pink salmon emerging from dewatered gravel.

Figure 4.–Old car dumped in Shrine Creek.

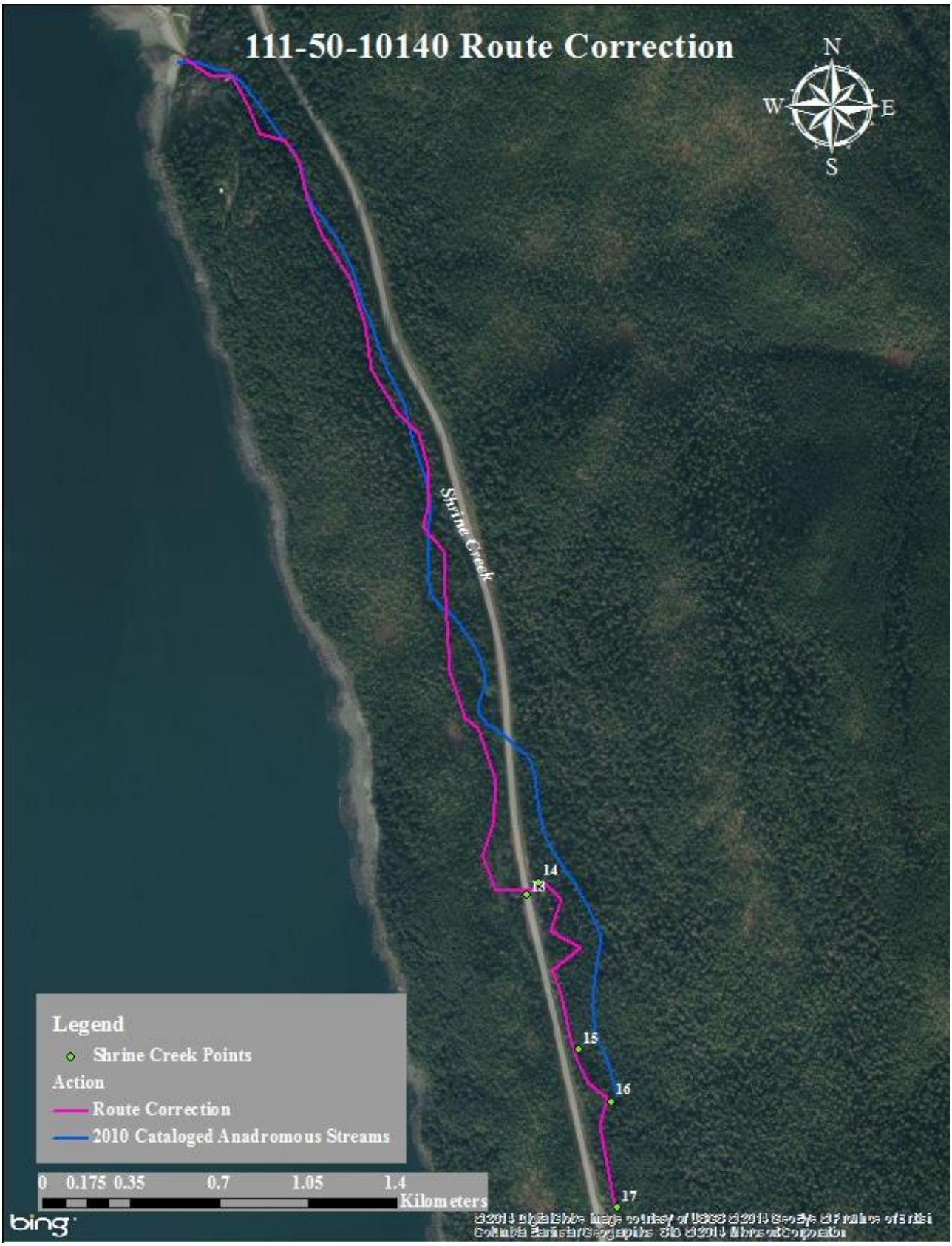

Figure 5.–111-50-10140 route correction map.

111-50-10300 CORRECTION

Water body name: Lena Creek **Survey date:** 6/30/2010
Water body number: 111-50-10300 **Species & Lifestage:** CHp, COr, Pp, DVp
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-3
Findings: We conducted a route correction survey for Lena Creek using a GPS (Table 1). A waterfall barrier exists on Lena Creek and terminates anadromous fish habitat at a shorter distance from the mouth than is currently mapped in the AWC. The waterfall barrier measures a gradient of 45-50% over approximately 140 feet and is just upstream of Glacier Highway.
Recommendations: Correct the current route in the AWC (Figure 1).
Nomination: 10-744

Table 1.–111-50-10300 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
7	58.3955	-134.7485	Just above tidal influence.	RS	
8	58.3959	-134.7458	End of anadromy. Huge bedrock waterfall. Gradient 45-50% and approximately 140' long.	RS	

Figure 1.–111-50-10300 route correction map.

111-50-10310 CORRECTION

Water body name: Campground Creek **Survey date:** 7/2/2014
Water body number: 111-50-10310 **Species & Lifestage:** CHr, COpr, Pp, CTr, DVr
Watershed: Admiralty Island–Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-3
Findings: We conducted a survey of Campground Creek using a backpack electrofisher and a GPS (Table 1). We found that the mainstem of Campground Creek should extend where 111-50-10310-2008 is cataloged. The amount of flow through these two culverts shows which is mainstem and tributary (Figures 1, 2). We captured most of our fish below Glacier Highway (Figure 3).
Recommendations: Update the stream route and switch the cataloged mainstem and tributary (Figure 4).
Nomination: 14-682

Table 1.–111-50-10310 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
504	58.3933	-134.7510	Mouth of Campground Creek.		
505	58.3928	-134.7506	Fish ladder.		
506	58.3923	-134.7500	Lena Point Road culvert, 48", 2-3' perched and no substrate in culvert.		
507	58.3913	-134.7479	Tributary entering on river right.		
508	58.3908	-134.7474	Ephemeral tributary enters via steep dry channel on river right.		
509	58.3906	-134.7476	Tributary entering on river right, there is some follow. Highly ferric.		
510	58.3886	-134.7455	Tributary entering on river right.		
538	58.3867	-134.7447	Tributary enterin on river left. Just below culvert outlet under Glacier Highway.		
539	58.3867	-134.7448	5' upstream of confluence. 1 CO about 80mm.	EF	1 CO
540	58.3866	-134.7448	Channel becomes shallow and vegetated. 2' falls that may block fish during most conditions.	EF	No Fish
532	58.3868	-134.7441	Culvert inlet at Glacier Highway conveying Campground Creek tributary. Drainage ditch/tributary enters via 1-2' perched culvert on river left.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
533	58.3868	-134.7438	Small pond near private property		
534	58.3869	-134.7435	Captured 1 DV about 85mm.	EF	1 DV
535	58.3867	-134.7429	Small falls about 2' with an old intake line present. Low gradient habitat.		
536	58.3866	-134.7425	1 DV about 110mm.	EF	1 DV
537	58.3866	-134.7413	Ending survey. Low gradient habitat continues, but no anadromous fish have been captured above Glacier Highway.	EF	1 DV

Figure 1.–Perched culvert conveying flows beneath Lena Loop road.

Figure 2.–Culvert currently for cataloged tributary of Campground Creek.

Figure 3.–Juvenile coho salmon captured in small tributary below the culvert in Figure 1.

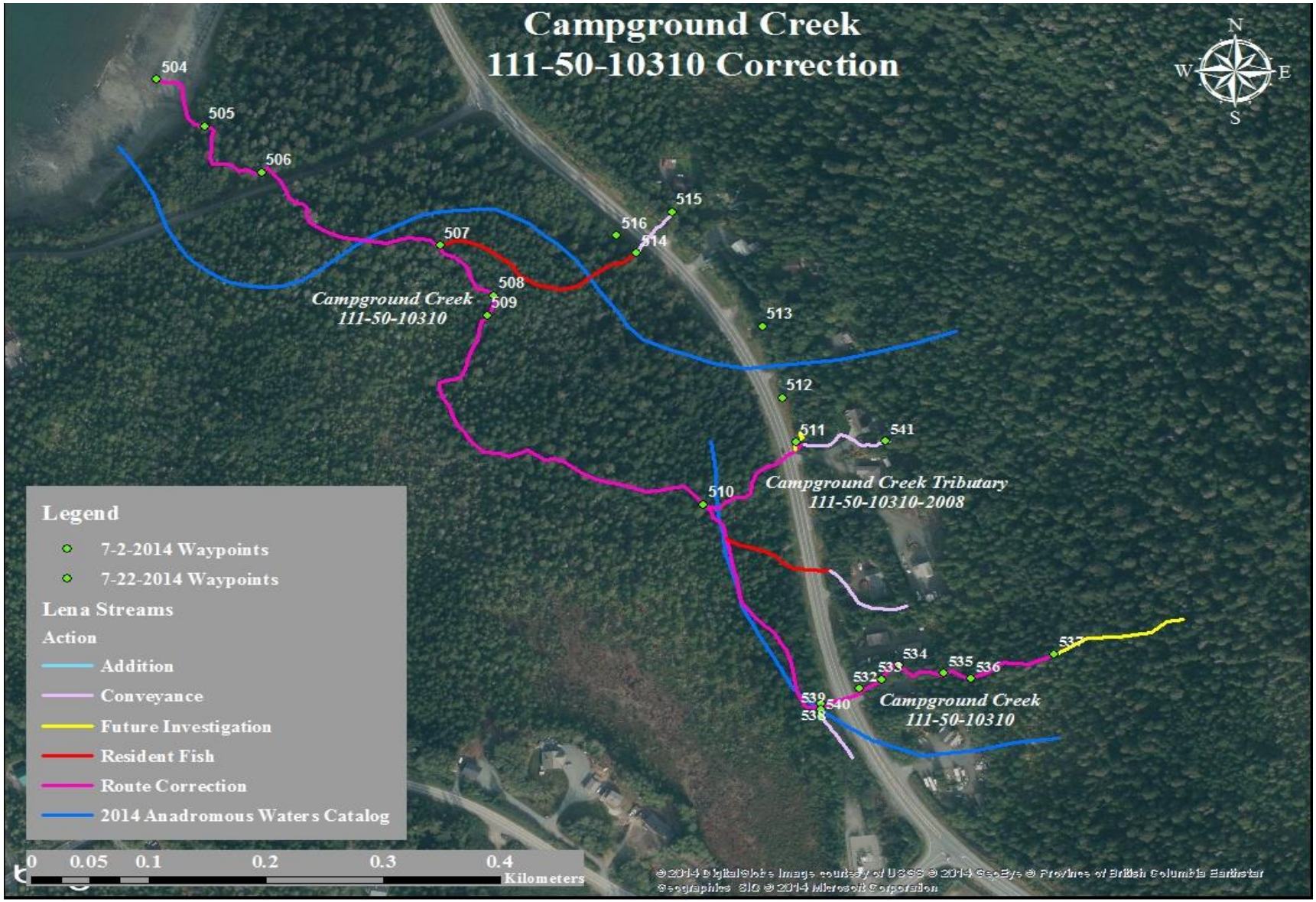

Figure 4.–111-50-10310 correction map.

111-50-10310-2007 CORRECTION

Water body name: **Survey date:** 7/2/2014
Water body number: 111-50-10310-2007 **Species & Lifestage:** CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-3
Findings: We conducted a survey of a tributary to Campground Creek using a backpack electrofisher and a GPS (Table 1). We found that the mainstem of Campground Creek should extend where a tributary is cataloged (Stream No. 111-50-10310-2008). The currently cataloged mainstem above the confluence should be changed to a tributary.
Recommendations: Switch Campground Creek and tributary headwaters location (Figure 1). The new tributary location will end in an odd number (-2007). This stream is currently only listed for cutthroat rearing, additional trapping is needed.
Nomination: 14-682

Table 1.–111-50-10310-2007 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
510	58.3886	-134.7455	Tributary entering on river right.		
511	58.3889	-134.3900	Inlet of culvert for Campground Creek.		
541	58.3887	-134.7426	Top of habitat. Becomes ferric with no flow or channel.	EF	No Fish

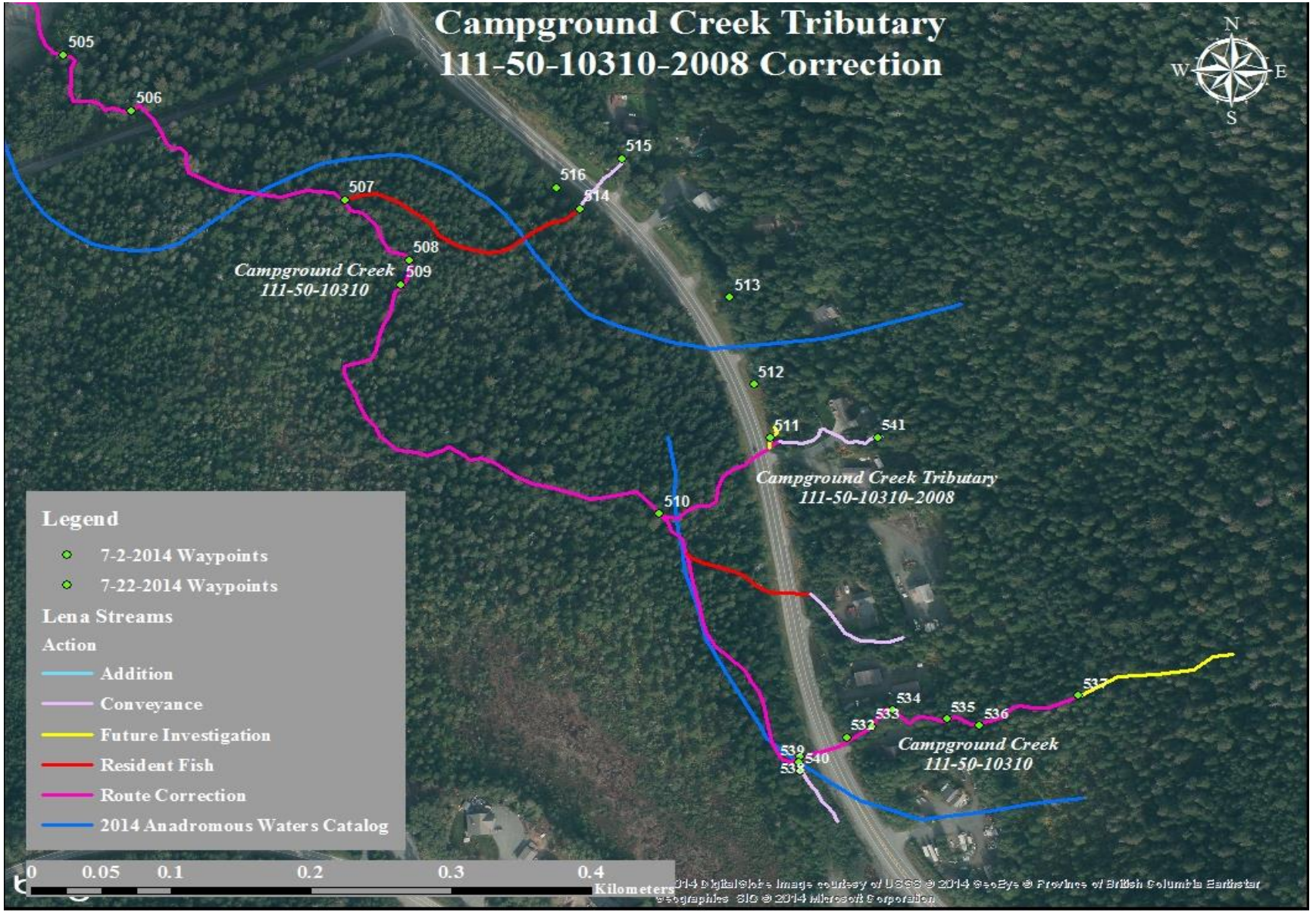

Figure 1.–Correction map. Previous tributary route (111-50-10310-2008) is mainstem. New tributary is now 111-50-10310-2007.

111-50-10390 CORRECTION

Water body name: Bay Creek **Survey date:** 6/22/2010
Water body number: 111-50-10390 **Species & Lifestage:** COr, Ps
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-2
Findings: We surveyed Bay Creek using minnow traps and a GPS (Table 1). We captured DV and CT above the cataloged upper limit and though we did not find any barriers to fish passage we did not catch anadromous fish (Figures 1, 2).
Recommendations: Correct the current route in the Anadromous Waters Catalog (Figure 3).
Nomination: 11-500

Table 1.–111-50-10390 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3871	-134.6481	Mouth of stream into Auke Bay.		
2	58.3896	-134.6503	Mild bank disturbance with a network of trails behind school.		
3	58.3904	-134.6498	Tributary entering on river right.		
4	58.3905	-134.6496	Trap in shallow pool.	MT	4 DV, 5 CT
5	58.3907	-134.6494	Trap in deep pool with fine sediment.	MT	5 CT
6	58.3915	-134.6478	Trap in small corner pool with overhanging vegetation.	MT	2 DV
7	58.3918	-134.6478	Trap in deep pool.	MT	1 DV, 2 CT
8	58.3922	-134.6473	End survey. Stream forks with a dewatered tributary entering. Plastic culvert present.		

Figure 1.–CT and DV at waypoint 5.

Figure 2.–CT and DV at waypoint 8.

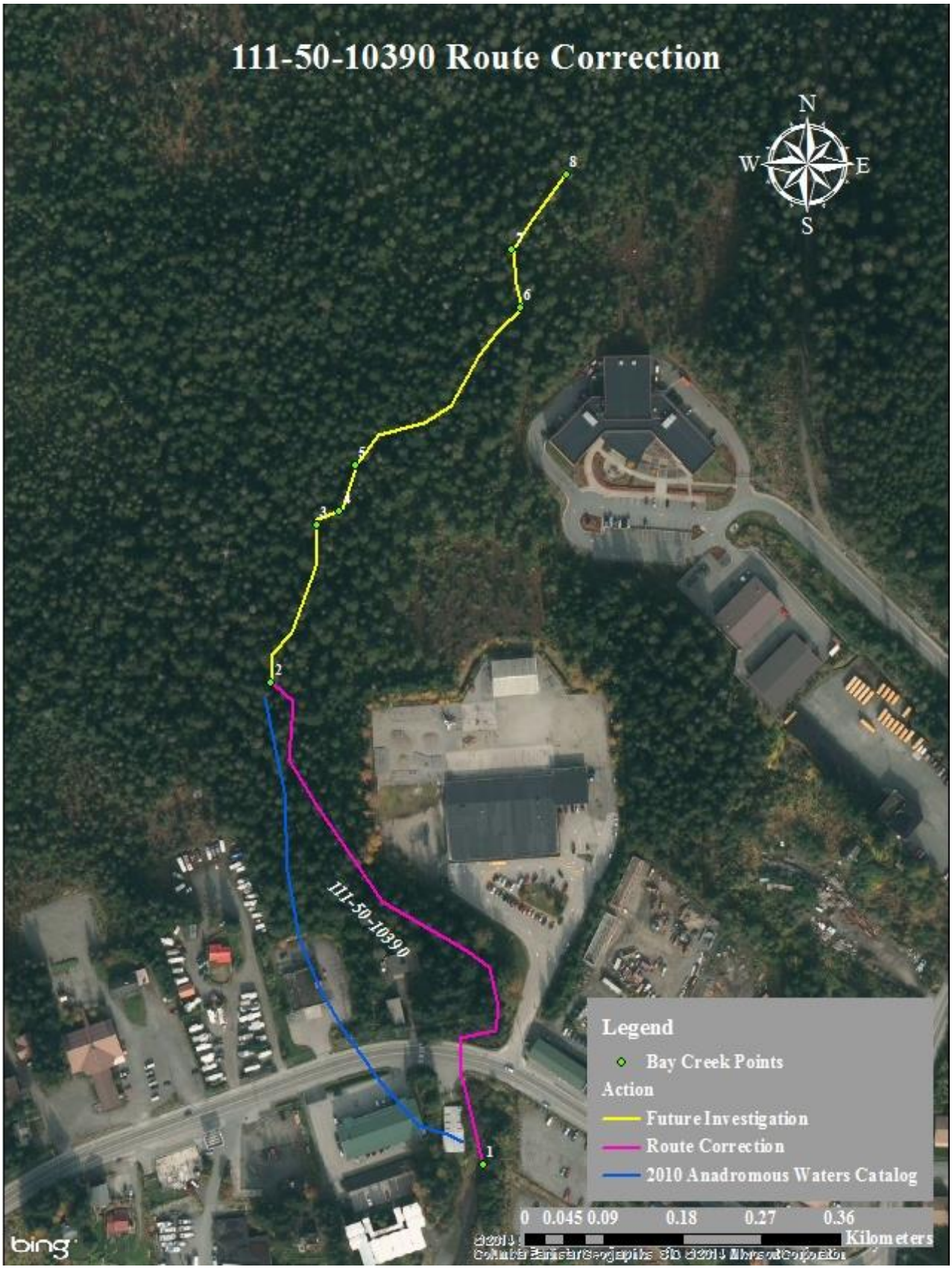

Figure 3.–111-50-10390 route correction map.

111-50-10420 TRIBUTARY 1 ADDITION

Water body name: **Survey date:** 8/31/2010
Water body number: **Species & Lifestage:**
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-2
Findings: This stream was surveyed in July of 2007 and again in August of 2010 (Table 1). One CO was captured at each attempt. This stream was previously trapped by habitat biologist Carl Schrader in July, 2007. He captured one CO in the lower reach. The stream was sampled again in August, 2010, and one CO was captured in the upper reach (Figure 1).
Recommendations: Continue to investigate so stream can be added to the AWC (Figure 2).
Nomination: No Change

Table 1.–111-50-10420 tributary 1 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
53	58.3812	-134.6304	Mouth of stream into Auke Lake.		
54	58.3808	-134.6297	Trap set in small pool. A lot of subsurface flows through root wads and vegetation.	MT	8 DV
55	58.3801	-134.6288		MT	1 CO, 7 DV
56	58.3799	-134.6273	End survey. Steep channel, flow just a trickle and nowhere to set a trap.		
57	58.3801	-134.6282	Trap set in shallow pool under mossy log.	MT	No Fish

Figure 1.–CO and DV captured in upper reach, August 2010.

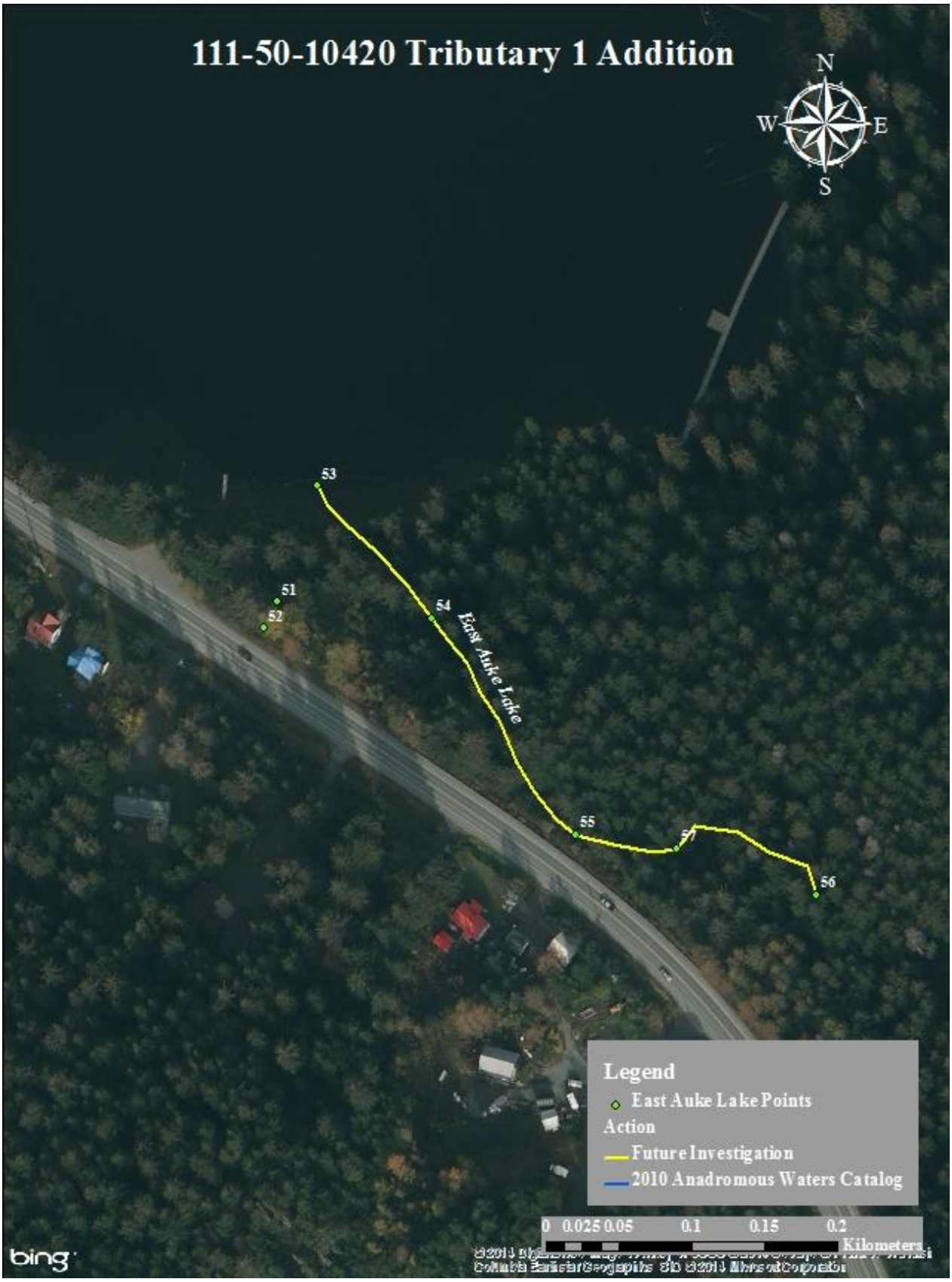

Figure 2.–111-50-10420 tributary 1 addition map**.**

111-50-10420-2002 CORRECTION

Water body name: Cali Creek **Survey date:** 9/10/2010
Water body number: 111-50-10420-2002 **Species & Lifestage:** COr, DVr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-2
Findings: I set minnow traps and let them soak for 1.5 hours. I captured rearing coho salmon and Dolly Varden char (Table 1).
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 10-905

Table 1.–111-50-10420-2002 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3811	-134.6308	Confluence with Auke Lake.	MT	2 DV, 2 CO
2	58.3807	-134.6307	A perched CMP.	MT	2 DV, 2 CO

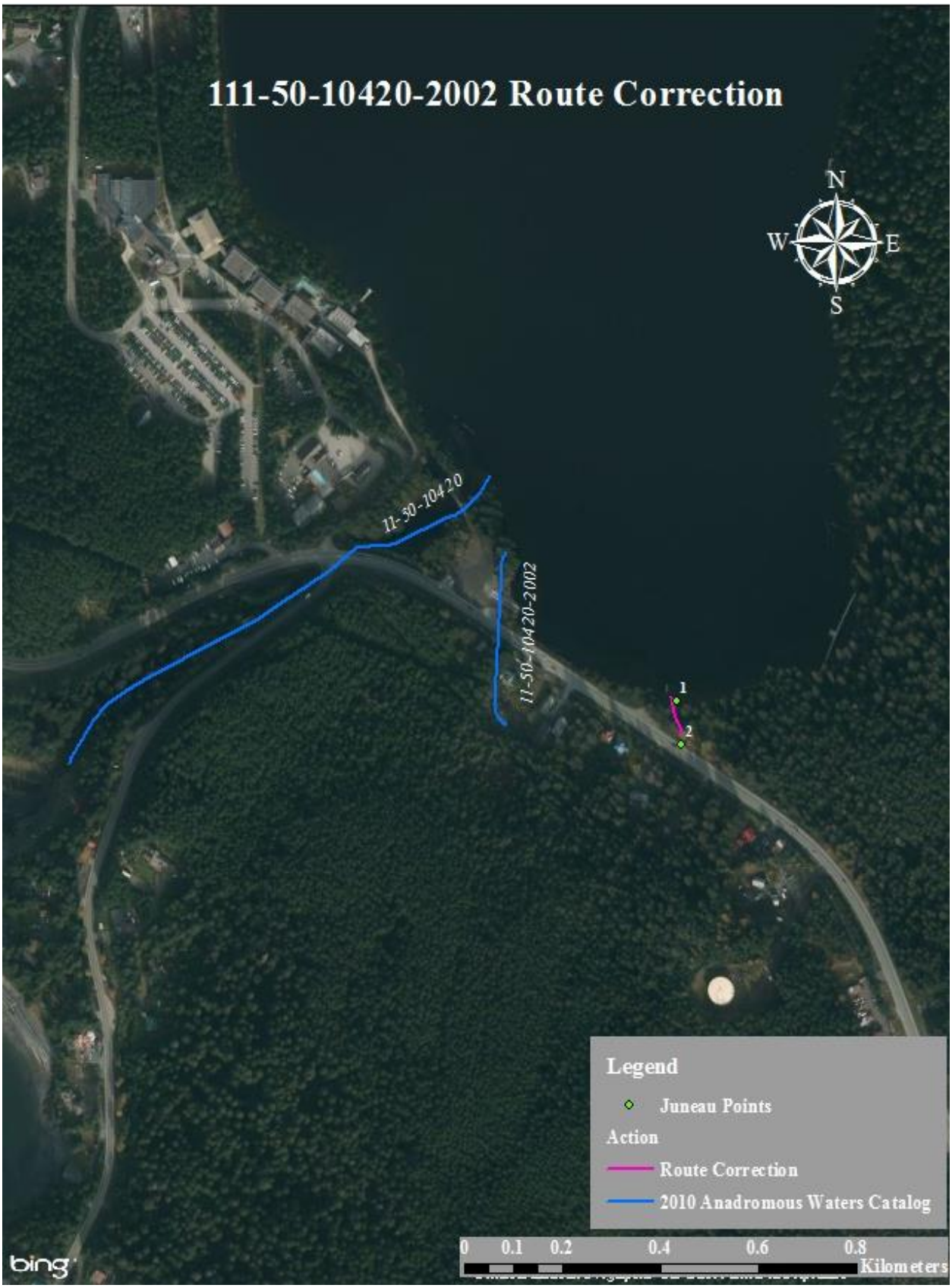

Figure 1.–111-50-10420-2002 route correction map.

Juneau

111-50-10420-2008 CORRECTION

Water body name: Lake Two Creek **Survey date:** 7/28/2010
Water body number: 111-50-10420-2008 **Species & Lifestage:** CHs, COsr, Ps, Ss, CTs
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-2
Findings: We surveyed Lake Two Creek using minnow traps and a GPS (Table 1). The mapped upper extent of the stream is inaccurate and was extended. We captured rearing coho salmon, Dolly Varden char, and cutthroat trout (Figures 1, 2).
Recommendations: Correct stream route and add rearing coho salmon to the AWC (Figure 3).
Nomination: 10-811

Table 1.–111-50-10420-2008 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
10	58.3926	-134.6240	Mouth of Lake Two Creek.		
11	58.3937	-134.6260	Double culverts, 6' embedded.		
12	58.3943	-134.6270	River right bank is propped up by boards to stabilize bank. Pinching stream and below ordinary high water.		
13	58.3964	-134.6290	1 CT, 12 DV and 13 CO between 50-110mm.	MT	1 CT, 12 DV, 13 CO
14	58.3970	-134.6300		MT	3 CT, 10 DV, 6 CO
15	58.3983	-134.6300	Tributary entering on river left.		
16	58.3984	-134.6300			
17	58.3992	-134.6310	3 CT, 16 DV and 4 CO between 70-120mm.	MT	3 CT, 16 DV, 4 CO
18	58.4023	-134.6320			
19	58.4030	-134.6320	Tributary entering on river right.		
20	58.4031	-134.6320	11 CT, 2 DV and 7 CO between 80-120mm.	MT	11 CT, 2 DV, 7 CO
21	58.4036	-134.6310	Handnetted 1 CO.	HN	1 CO
22	58.4054	-134.6310	No barrier yet, but extremely brushy and hard to walk channel.		
23	58.4023	-134.6320	7 CT, 8 DV and 8 CO between 60-100mm.	MT	7 CT, 8 DV, 8 CO

Figure 1.–CO and CT in Lake Two Creek.

Figure 2.–CO caught in Lake Two Creek.

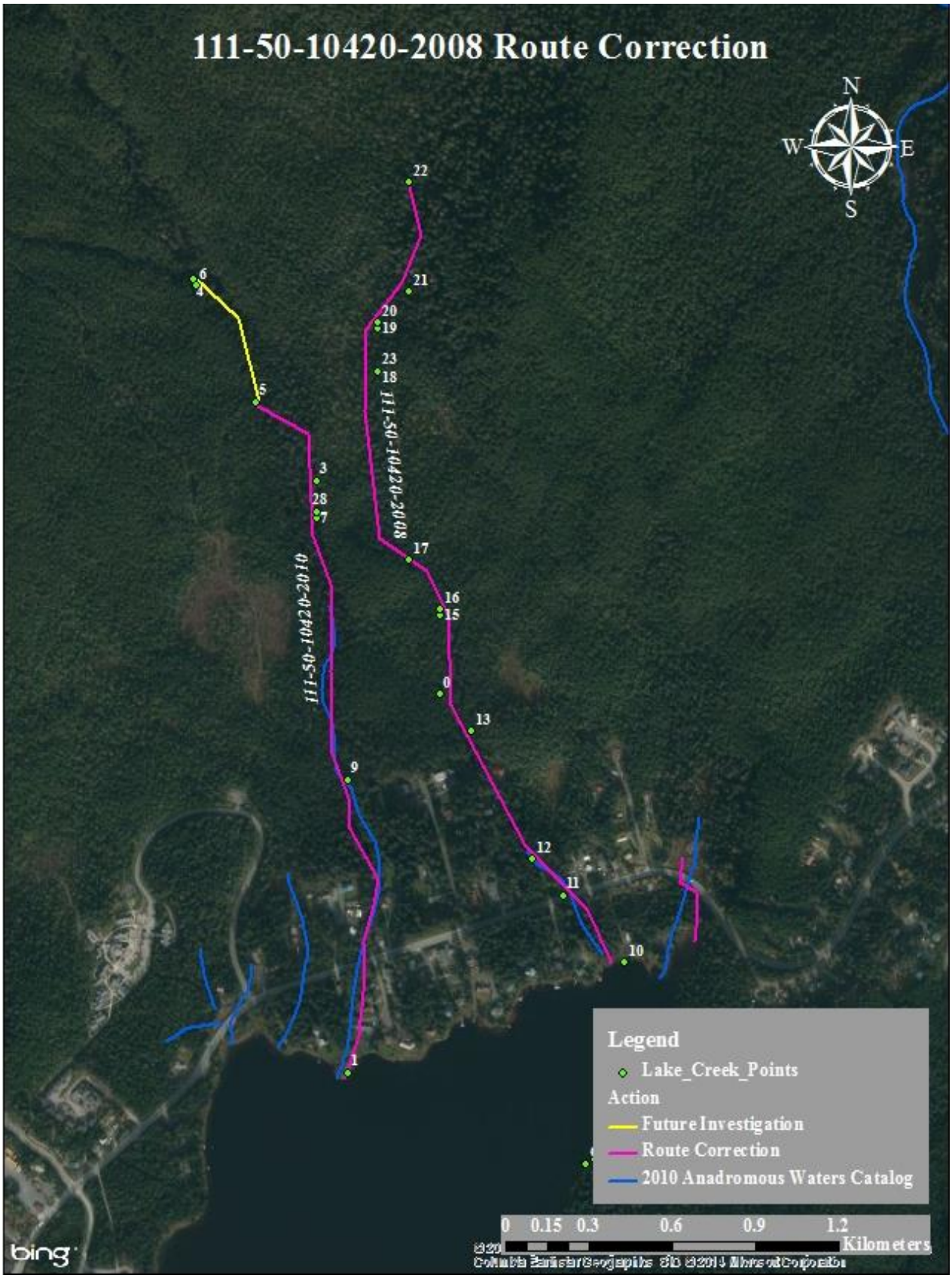

Figure 3.–111-50-10420-2008 route correction map.

Juneau

111-50-10420-2010 CORRECTION

Water body name: Lake Creek **Survey date:** 7/27/2010
Water body number: 111-50-10420-2010 **Species & Lifestage:** COpr, Ps
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C040S065E **Quad:** Juneau B-2
Findings: We surveyed Lake Creek using minnow traps and a GPS (Table 1). The mapped upper extent of this stream is inaccurate and the stream was extended. We captured juvenile coho salmon, Dolly Varden char, and cutthroat trout (Figures 1, 2).
Recommendations: Correct the current route in the AWC (Figure 3).
Nomination: 10-747

Table 1.–111-50-10420-2010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3908	-134.6330	Gravel spit at the mouth of stream.		
9	58.3956	-134.6330	8 smolty CO, 2 CT and 2 DV.	MT	8 CO, 2 CT, 2 DV
7	58.3999	-134.6340	CO in tributary and trapped in large woddy debris.	MT	CO
28	58.3270	-134.5714	Shallow pool at base of log cascade. Fines, gravels	MT	
3	58.4005	-134.6340	Tributary ends in organic seepy mud.		
5	58.4018	-134.6360	2 CO, 2 CT and bunch of DV.	MT	2 CO, 2 CT, DV
6	58.4037	-134.6379	Over a dozen CO smolts in organic pool with good overhanging vegetation.	MT	12 CO
4	58.4038	-134.6380	Little barrier on river right. Channel steepens and setting a tarp in deep pool.		

Figure 1.–CO in Lake Creek.


Figure 2.–CT and CO in Lake Creek.

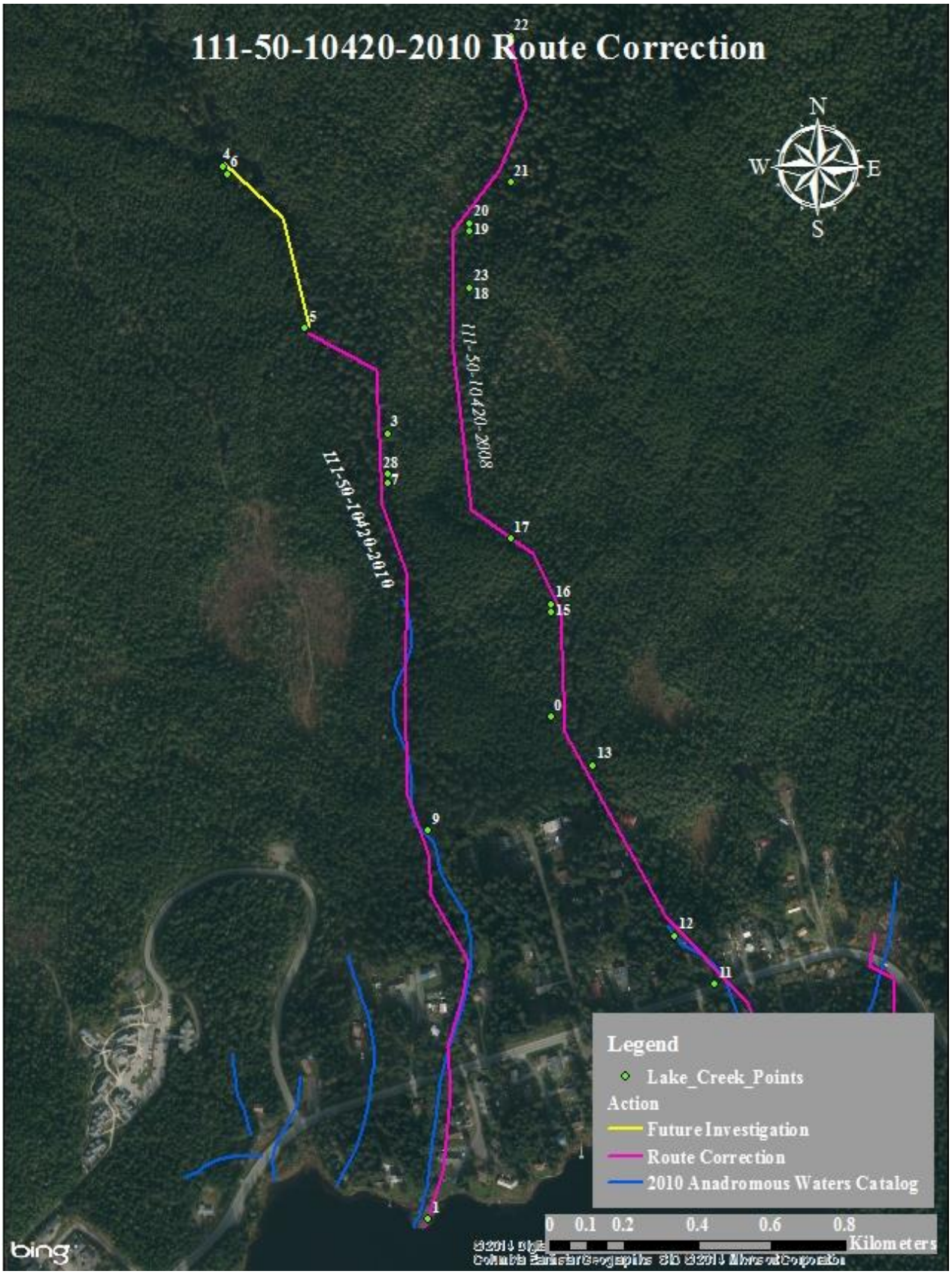

Figure 3.–111-50-10420-2010 route correction map.

111-50-10500-2002 CORRECTION

Water body name: Duck Creek **Survey date:** 12/11/2012
Water body number: 111-50-10500-2002 **Species & Lifestage:** CHp, COpr, Pp, CTr, DVp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed Duck Creek using a GPS. A section of the stream downstream of Cessna Drive was realigned around the airport apron.
Recommendations: Correct route to reflect realignment constructed in 2010 (Figure 1).
Nomination: 12-610

Figure 1.–111-50-10500-2002 route correction map. Lower reach of Duck Creek below Cessna Drive.

Juneau

111-50-10500-2003-3042 CORRECTION

Water body name: **Survey date:** 9/8/2014
Water body number: 111-50-10500-2003-3042 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S065E **Quad:** Juneau B-2
Findings: I conducted a route correction survey using a GPS (Table 1). The tributary's course differs from that illustrated in the AWC. No sampling was conducted. Stream crosses under Montana Creek Road through four culverts (Figure 1).
Recommendations: Update the stream course to reflect the field verified route (Figure 2).
Nomination: 14-707

Table 1.–111-50-10500-2003-3042 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
53	58.4145	-134.6101	Starting at bank of 4 culverts on Montana Creek Road. Heading upstream.		
54	58.4148	-134.6101	Dead-end slough on river right.		
56	58.4158	-134.6099	Tributary on river right.		
58	58.4165	-134.6117	Tributary on river right. Overflow channel from Montana Creek.		
59	58.4173	-134.6130	Tributary on river right. Second overflow channel from Montana Creek.		
61	58.4199	-134.6127	Tributary on river left.		
62	58.4208	-134.6136	Tributaries on river left. Two drainages converge just before entering stream.		
63	58.4208	-134.6148	Tributary on river right.		
64	58.4230	-134.6168	Tributary on river left.		
66	58.4177	-134.6144	Twin culverts under Montana Creek Road. Subsurface water flows.		

Figure 1.–Looking upstream from set of 4 culverts under Montana Creek Road, near waypoint 53.

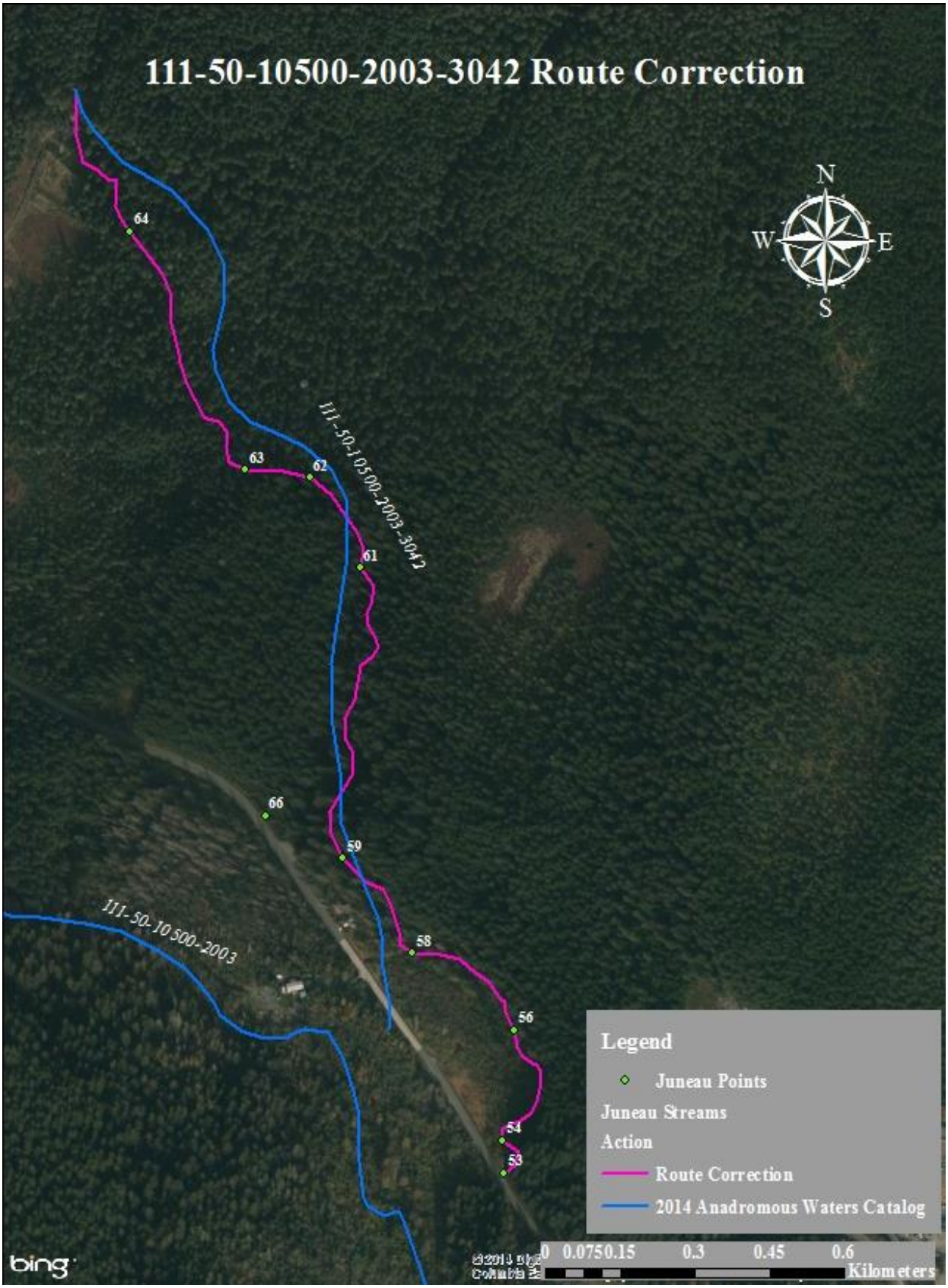

Figure 2.–111-50-10500-2003-3042 route correction map.

Juneau

111-50-10500-2003-3054-4014 CORRECTION

Water body name: **Survey date:** 7/19/2010
Water body number: 111-50-10500-2003-3054-4014 **Species & Lifestage:** COp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C039S065E **Quad:** Juneau B-2
Findings: We surveyed this tributary to McGinnis Creek using a handnet and a GPS (Table 1). There were several ATV crossings that had filled with water and in one instance we observed fish in these tracked areas (Figures 1, 2). We captured rearing coho salmon and cutthroat trout (Figures 3, 4). This stream extends past the cataloged upper limit.
Recommendations: Correct the current route in the AWC (Figure 5).
Nomination: 11-501

Table 1.–111-50-10500-2003-3054-4014 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.4361	-134.6420			
2	58.4427	-134.6370	Tributary on river left.		
3	58.4465	-134.6340	Tributary on river left.		
4	58.4464	-134.6340	CO.	HN	CO
5	58.4468	-134.6340	Handnetted 2 CO.	HN	2 CO
6	58.4477	-134.6340	ATV disturbance.	VL	Unknown
7	58.4485	-134.6330	Tributary on river left.		
8	58.4487	-134.6330	End of stream.		
9	58.4478	-134.6330	Handnetted 2 CO.	HN	2 CO
10	58.4479	-134.6330	Handnetted CO and CT.	HN	CO, CT
11	58.4481	-134.6330	End of tributary.		
12	58.4428	-134.6390		VL	Unknown
13	58.4414	-134.6400	Dewatered channel.		

Figure 1.–ATV trails through bank and riparian disturbance in 111-50-10500-2003-3054-4014.

Figure 2.–Bank and riparian disturbance in 111-50-10500-2003-3054-4014.

Figure 3.–CO in bank and riparian disturbance in 111-50-10500-2003-3054-4014.

Figure 4.–CT in bank and riparian disturbance in 111-50-10500-2003-3054-4014.

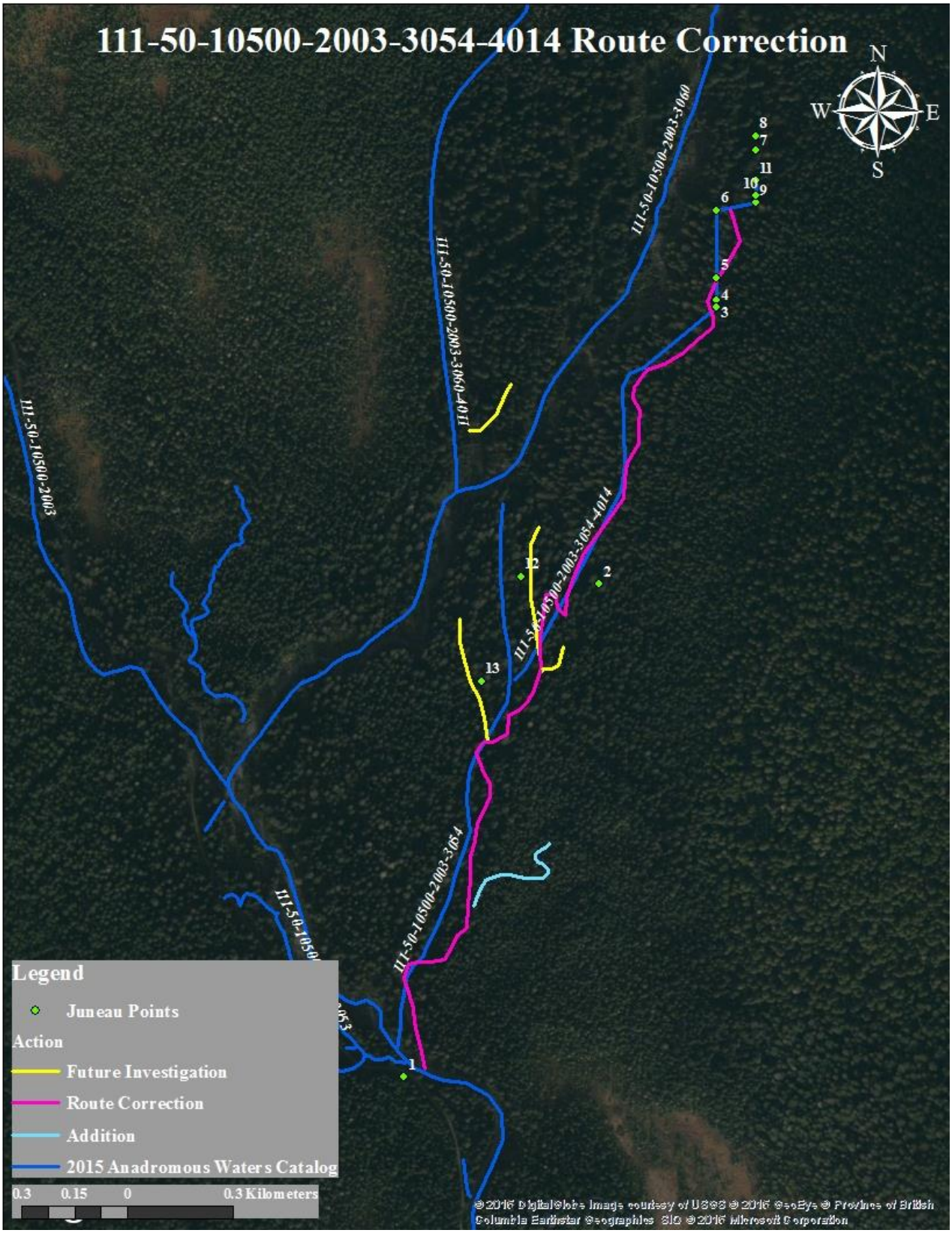

Figure 5.–111-50-10500-2003-3054-4014 route correction map.

Juneau

111-50-10500-2003-3060 CORRECTION

Water body name: McGinnis Creek **Survey date:** 5/4/2010
Water body number: 111-50-10500-2003-3060
Species & Lifestage: CHp, COp, Kr, Pp, CTr, DVpr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C039S065E **Quad:** Juneau B-2
Findings: We surveyed this stream using a handnet and a GPS. We captured 2 juvenile Chinook salmon between 30-40mm in a side channel to McGinnis Creek (Table 1). Brought the fish back to lab and positively identified them.
Recommendations: Add rearing king salmon to stream in the AWC (Figure 1).
Nomination: 10-700

Table 1.–111-50-10500-2003-3060 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.4409	-134.6455	Handnetted 2 K between 30-40mm in a side channel of McGinnis Creek.	HN	2 K

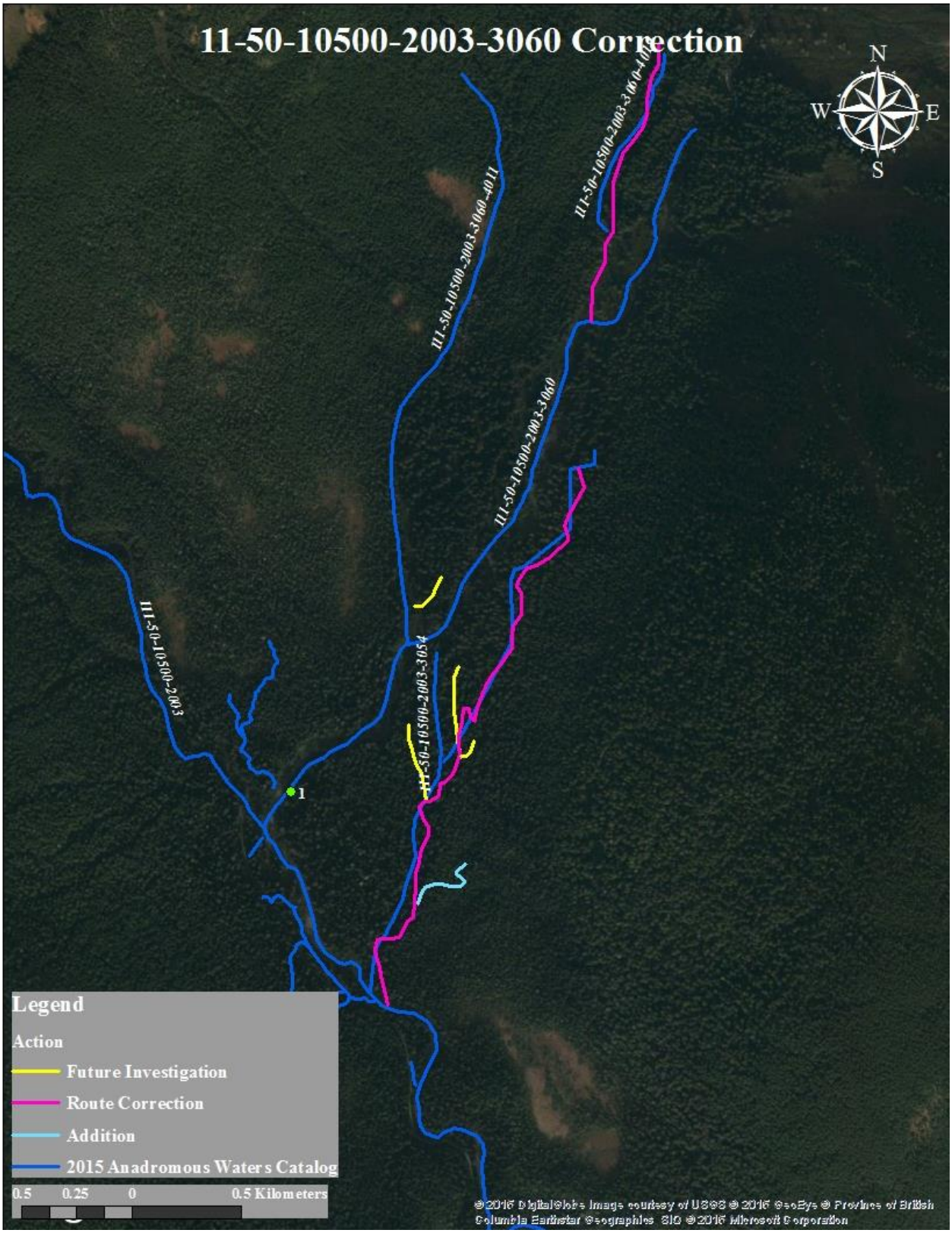

Figure 1.–111-50-10500-2003-3060 correction map.

111-50-10500-2003-3060-4001 ADDITION

Water body name: **Survey date:** 8/29/2013
Water body number: 111-50-10500-2003-3060-4001 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C039S065E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-50-10500-2003-3060-4001 using a backpack electrofisher and a GPS (Table 1). I captured rearing coho salmon, cutthroat trout, and Dolly Varden char. (Figures 1, 2). Ended the survey where water is barely flowing over gravel.
Recommendations: Add this stream to AWC (Figure 3).
Nomination: 14-510

Table 1.–111-50-10500-2003-3060-4001 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
7	58.4409	-134.6461	Tributary enters McGinnis Creek.		
8	58.4412	-134.6468	ATV trail crosses tributary.		
9	58.4413	-134.6471		EF	1 CT
10	58.4415	-134.6471		EF	1 CO, 1 CT, 1 DV
11	58.4417	-134.6475		EF	2 CO
12	58.4421	-134.6474		EF	2 CO
13	58.4424	-134.6471		EF	1 CO, 1 CT
14	58.4424	-134.6471		EF	1 CO
15	58.4426	-134.6470		EF	2 CO
16	58.4429	-134.6469		EF	2 CO
17	58.4429	-134.6468		EF	1 CO
18	58.4433	-134.6461		EF	1 CO
19	58.4435	-134.6460		EF	1 CO
20	58.4440	-134.6463		EF	2 CO
21	58.4442	-134.6463	Outlet of water coming from under a rootwad complex, does not look like adult fish are able to pass.		
22	58.4443	-134.6463	Inlet of water into the rootwad complex.		
23	58.4444	-134.6463		EF	1 CO
24	58.4448	-134.6466		EF	3 DV
25	58.4448	-134.6468	Calling the top. Have been EF since last CO and have only gotten DV, the water level is also very low and barely flowing over gravel.	EF	1 DV

Figure 1.–Pair of juvenile coho salmon.

Figure 2.–Spawning colored Dolly Varden char.

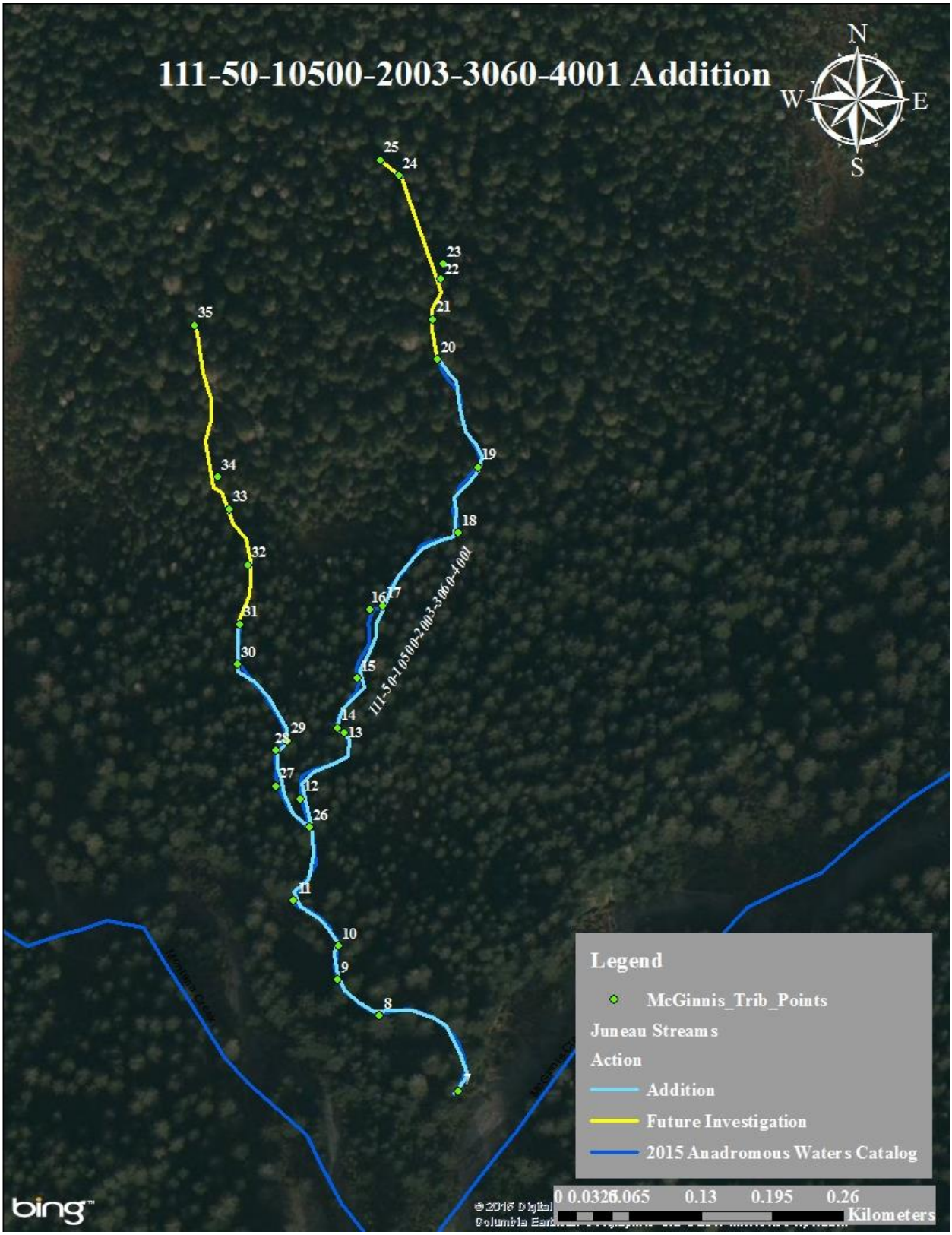

Figure 3.–111-50-10500-2003-3060-4001 addition map.

111-50-10500-2003-3060-4001-5011 ADDITION

Water body name: **Survey date:** 8/29/2013
Water body number: 111-50-10500-2003-3060-4001-5011 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C039S065E **Quad:** Juneau B-2
Findings: I surveyed stream number 111-50-10500-2003-3060-4001-5011 using an electrofishing and a GPS (Table 1). I captured coho salmon, cutthroat trout and Dolly Varden char in the tributary (Figures 1, 2). Ended survey where water barely flowing over gravel.
Recommendations: Add stream to AWC (Figures 3).
Nomination: 14-511

Table 1.–111-50-10500-2003-3060-4001-5011 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
26	58.4420	-134.6474	Tributary entering on river right on tributary into McGinnis Creek.		
27	58.4422	-134.6476		EF	2 CT
28	58.4423	-134.6476		EF	1 CO
29	58.4424	-134.6475		EF	1 CO
30	58.4427	-134.6479		EF	1 CT
31	58.4429	-134.6479		EF	2 CO
32	58.4431	-134.6479		EF	1 CO
33	58.4434	-134.6480	Possible barrier, root wad drop that is about 1 1/2'. And flow at this point to low for adult fish to make it this far.		
34	58.4435	-134.6481		EF	2 CT, 1 DV
35	58.4441	-134.6483	Calling the top of the tributary. Have only been catching CT for awhile and water is barely flowing over gravel. Would recommend further investigation of this tributary after a couple days of rain.	EF	2 CT

Figure 1.–Juvenile coho captured in tributary.

Figure 2.–Juvenile coho captured in tributary.

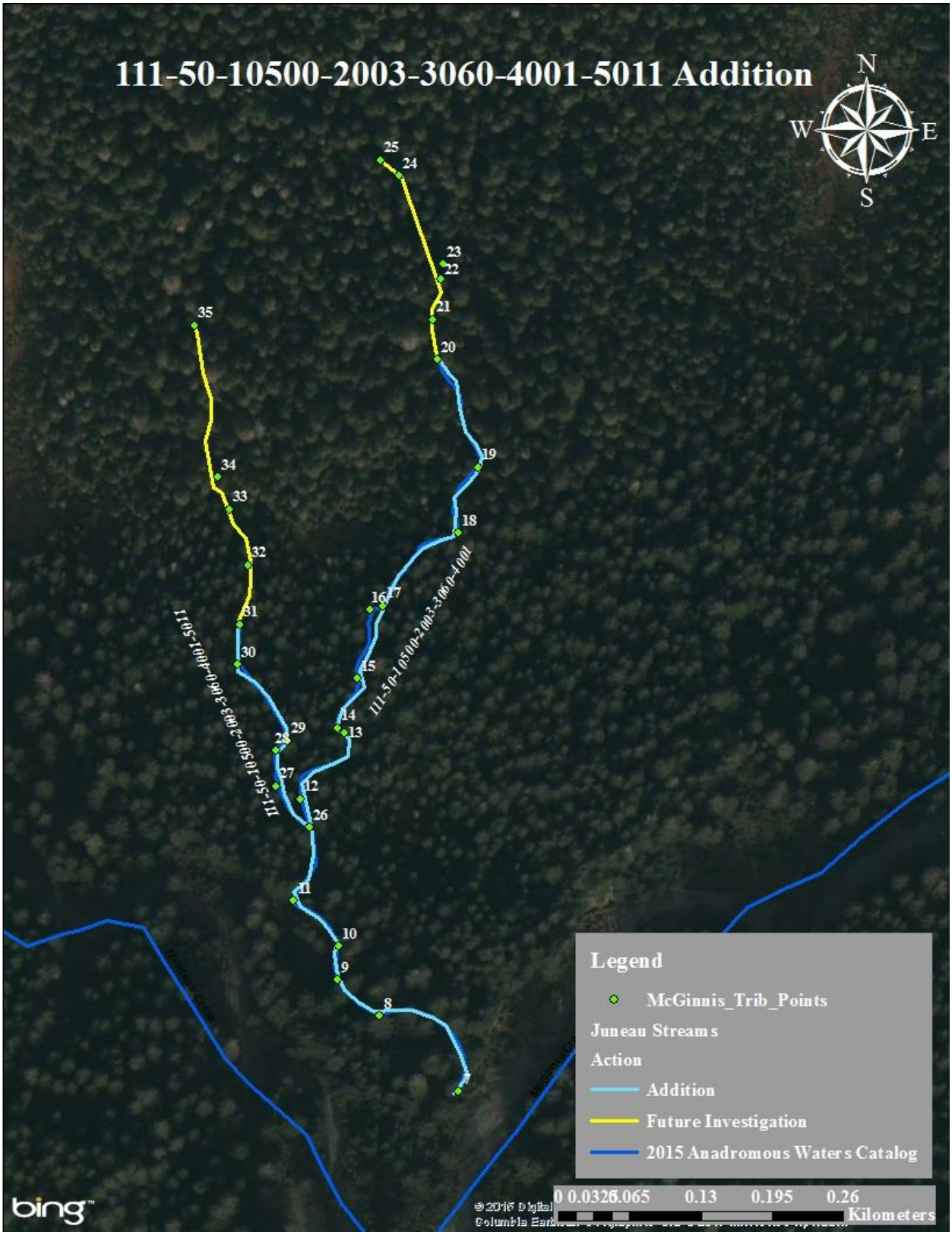

Figure 3.–111-50-10500-2003-3060-4001-5011 addition map.

111-50-10500-2004 CORRECTION

Water body name: Dredge Creek **Survey date:** 11/2/2013
Water body number: 111-50-10500-2004 **Species & Lifestage:** COpr, Pp, CTp, DVp
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR:C040S066E **Quad:** Juneau B-2
Findings: Coho migrating upstream and spawning at the base of the barrier falls was observed by NOAA Fisheries Economist Scott Miller (Table 1). He called our office with this information. This mainstem route also needs to be corrected.
Recommendations: Add coho spawning to the AWC and update the mapped route to reflect the field verified course (Figure 1).
Nomination: 14-016

Table 1.–111-50-10500-2004 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
3	58.4081	-134.5430	Waterfall barrier, spawning coho. End of anadromy.	VI	CO

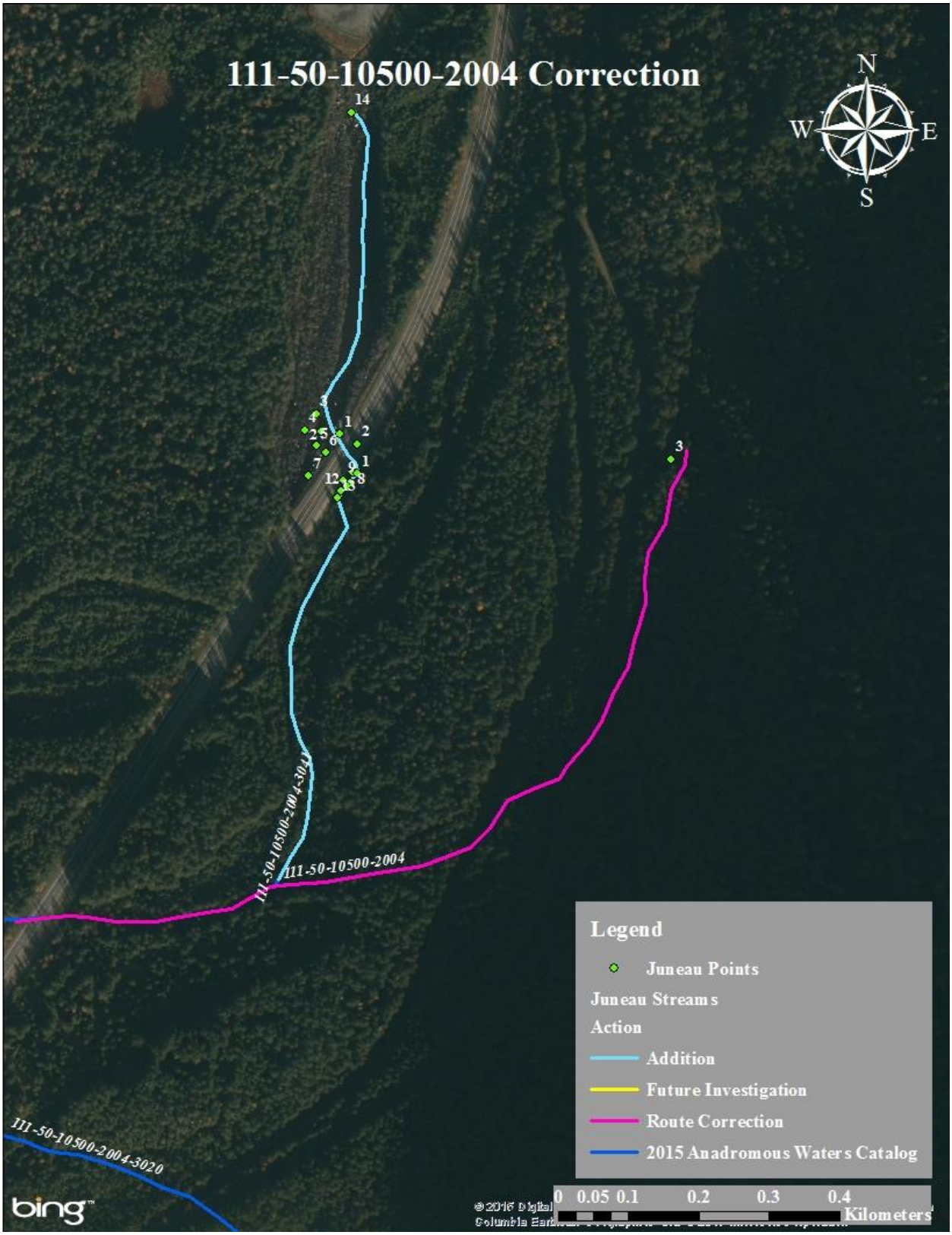

Figure 1.–111-50-10500-2004 correction map.

111-50-10500-2004-3041 ADDITION

Water body name: **Survey date:** 9/13/2011
Water body number: 111-50-10500-2004-3041 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: We surveyed this tributary using minnow traps and a GPS (Table 1). This stream is impacted by beaver activity which provides great rearing habitat for juvenile coho salmon (Figures 1, 2, 3).
Recommendations: Add stream to the AWC (Figures 4).
Nomination: 14-015

Table 1.–111-50-10500-2004-3041survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.4083	-134.5472	Trap set on side of pond next to large boulder. 6 CO between 70-100mm and 5 DV between 90-100mm.	MT	6 CO, 5 DV
2	58.4083	-134.5475	Trap set in middle of beaver pond, in LWD. 2 CO between 75-80mm.	MT	2 CO
3	58.4084	-134.5475	Trap set near island in LWD.	MT	No Fish
4	58.4083	-134.5477	Trap set near island between boulder and LWD. 1 CO about 85mm.	MT	1 CO
5	58.4082	-134.5475	Trap set in middle of pond near LWD. 1 CO about 75mm.	MT	1 CO
6	58.4081	-134.5474	Trap set on roadside bank in LWD. 4 CO between 70-110mm.	MT	4 CO
7	58.4080	-134.5476	Trap set between two boulders near roadside. 5 DV between 100-180mm.	MT	5 DV
8	58.4080	-134.5471	Trap set at outlet of culvert. 85 CO between 45-80mm.	MT	85 CO
9	58.4080	-134.5472	Trap set just below outlet of culvert. 60 CO between 45-75mm and 1 DV about 70mm.	MT	60 CO, 1 DV
10	58.4079	-134.5471	Set trap along roadside retaining wall bank. 13 CO between 35-60mm.	MT	13 CO
11	58.4079	-134.5471	Trap set along river-right bank. 45 CO between 45-75mm and 2 DV between 70-200mm.	MT	45 CO, 2 DV
12	58.4079	-134.5472	Trap set in pool debris jam. 47 CO between 40-80mm.	MT	47 CO
13	58.4078	-134.5473	Trap set in small side pool. 33 CO between 45-70mm.	MT	33 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
14	58.4104	-134.5471	Top of pond at bus parking lot.		
15	58.4116	-134.5473	Top of creek. Reduces to a seep.		

Figure 1.–Looking upstream on beaver pond.

Figure 2.–Looking downstream on upper limit of tributary.

Figure 3.–Trap full of coho salmon from below culvert on tributary.

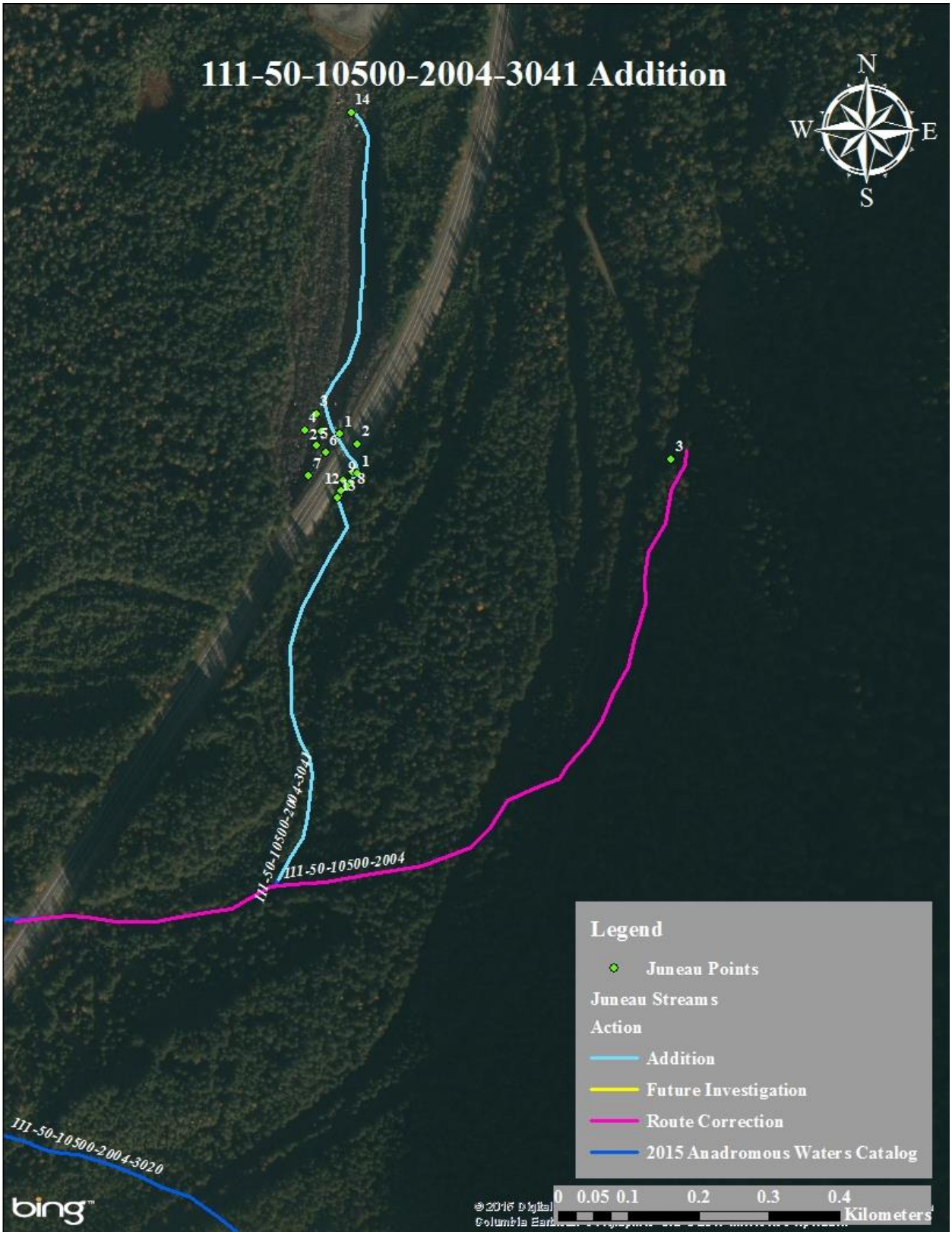

Figure 4.–111-50-10500-2004-3041 addition map.

111-50-10500-2019 CORRECTION

Water body name: **Survey date:** 7/14/2010
Water body number: 111-50-10500-2019 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: We surveyed this stream with a handnet and a GPS (Table 1). We found the streams anadromous reach extends past the existing cataloged extent. Juvenile coho salmon were captured throughout with a handnet. This stream flows through a culvert under the road to the West Glacier trailhead. The mouth of the stream enters Mendenhall Lake.
Recommendations: Correct the current stream route in the AWC (Figure 1).
Nomination: 15-637

Table 1.–111-50-10500-2019 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.4174	-134.5952	Bridge on Tolch Rock Trail.	HN	CO
2	58.4174	-134.5958	Gravel, lots of overhanging alder.		
3	58.4176	-134.5964	Gravel.		
4	58.4179	-134.5970	Thick vegetation, alder, and skunk cabbage.		
5	58.4183	-134.5969	Visual on lots of CO.	VL	CO
6	58.4191	-134.5960	Becomes braided.		
7	58.4194	-134.5957	Captured CO.	HN	CO
8	58.4209	-134.5952			
9	58.4212	-134.5946	Gradient increasing slightly.		
10	58.4215	-134.5946			
11	58.4218	-134.5951	Stream creates a vegetated backwater.		
12	58.4219	-134.5954	Upper extent. Gradient increasing and stream reduced to a mossy seep.	HN	CO

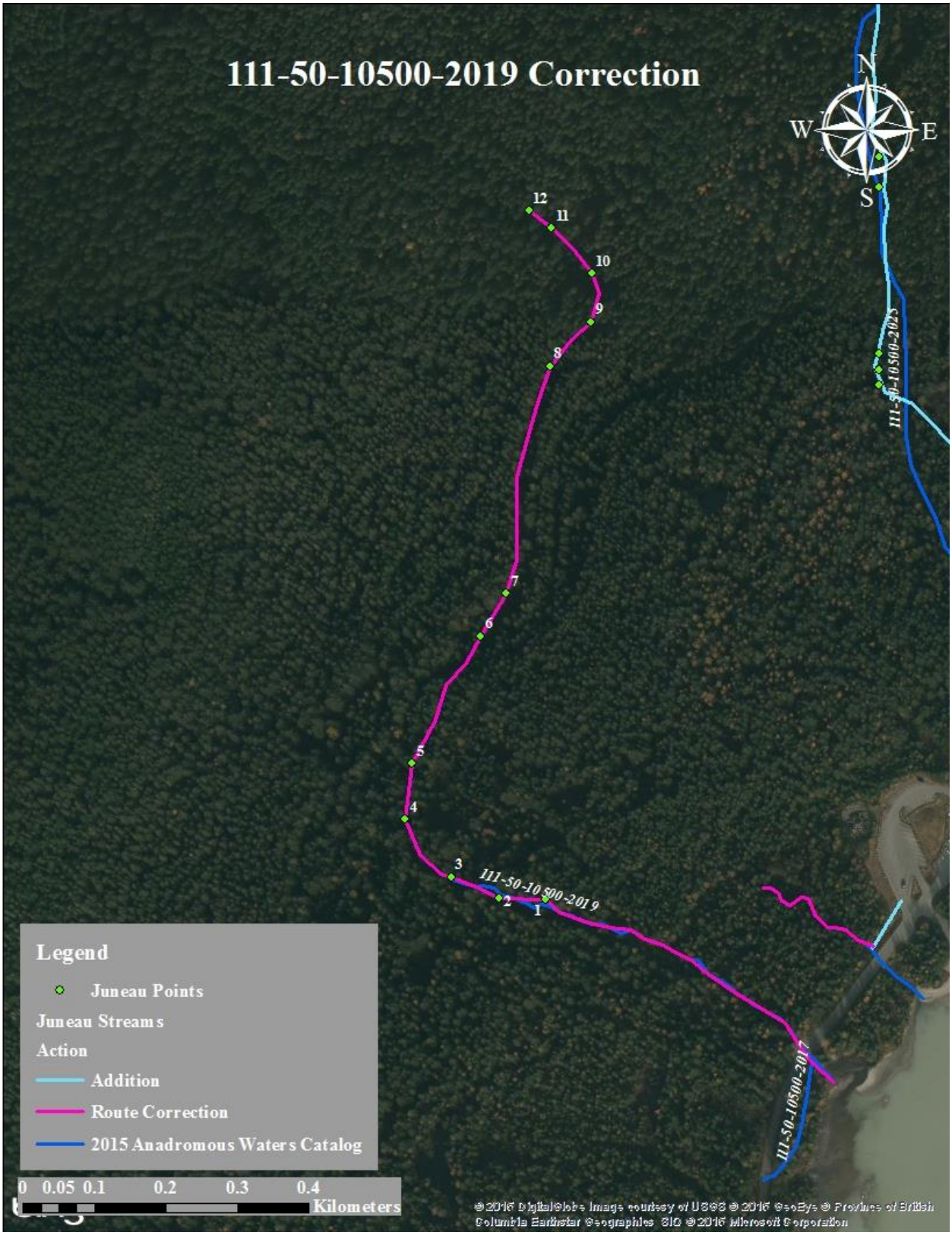

Figure 1.–111-50-10500-2019 correction map.

111-50-10500-2025 ADDITION

Water body name: Wesley Creek **Survey date:** 6/5/2010
Water body number: 111-50-10500-2025 **Species & Lifestage:** COr, Ss
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: We surveyed this stream using minnow traps, handnet and a GPS (Table 1). This stream supports rearing CO and spawning sockeye salmon, which were visually identified in lower reaches in August. The stream flows under a bridge on the West Glacier Trail and enters Mendenhall Lake's western shore. Minnow traps were set and soaked for 1–3 hours. Net sampling with a small aquarium net was very effective and yielded most of the CO caught. This stream is extremely productive and has excellent spawning habitat in the lower reaches and good rearing throughout. The substrate consists of gravels, cobbles, and some larger boulders in the upper reach.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 10-762

Table 1.–111-50-10500-2025 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.4190	-134.5890	On bridge along West Glacier Trail.		
2	58.4192	-134.5890	Trap set on left bank under alder.	MT	No Fish
3	58.4192	-134.5890	Trap set in a small pool below large woody debris cascade.	MT	CO
4	58.4203	-134.5900	Trap set in calm pool next to mossy rock.	MT	CO
5	58.4208	-134.5910	Possible tributary.		
6	58.4209	-134.5910	Braided channel.		
7	58.4210	-134.5910	Handnetted tens of CO fry, saw hundreds.	HN	CO
8	58.4221	-134.5910	Handnetted 1 CO.	HN	1 CO
9	58.4223	-134.5910	Handnetted 3 CO.	HN	3 CO
10	58.4235	-134.5910	Visual on 9 CO.	VL	9 CO
11	58.4237	-134.5910	Tributary entering mainstem.		
12	58.4239	-134.5910	Handnetted 2 CO in possible tributary.	HN	2 CO
13	58.4241	-134.5910	Handnetted CO.	HN	1 CO
14	58.4242	-134.5910	Tributary parallels mainstem.		
15	58.4245	-134.5920	Handnetted 15 CO fry.	HN	15 CO
16	58.4245	-134.5920	Side channel.		
17	58.4248	-134.5940	Gradient starting to increase. Handnetted 2 CO.	HN	2 CO

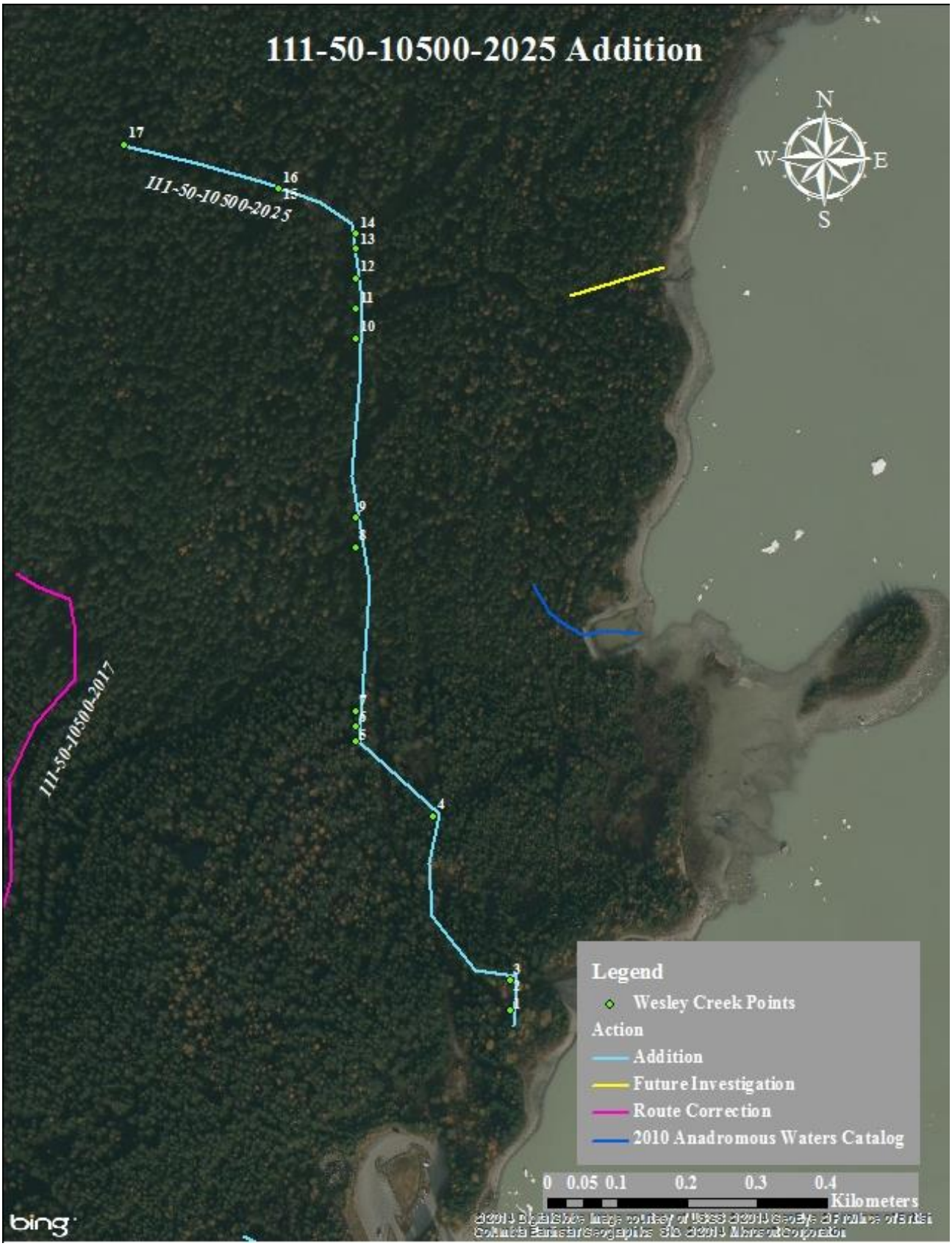

Figure 1.–111-50-10500-2025 addition map.

111-50-10620-2006 DELIST

Water body name: **Survey date:** 1/23/2015
Water body number: 111-50-10620-2006 **Species & Lifestage:** COr, DVr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: We surveyed this stream using a backpack electrofisher and a GPS (Table 1). The stream comes off Thunder Mountain and enters ponds along Egan Drive. Water goes through culvert under a sidewalk and Egan Drive or runs along Egan Drive to another culvert under Egan Drive. The water under the sidewalk and Egan Drive runs along Old Dairy Road in a ditch and then crosses to Yandukin Drive where it goes through 1900 ft of culvert and 8 concrete boxes before going into Mendenhall Wetlands (Figure 1). The water that goes in front of Fred Meyers goes through about 1109 ft of culvert with 2 concrete boxes before reconnecting with previously mentioned section and entering the Mendenhall Wetlands. Both section of stream are heavily dependent on rainfall. We electrofished several resident Dolly Varden char, but no anadromous fish on two different sampling events (Figure 2). Fish passage is basically nonexistent upstream.
Recommendations: Remove stream from the AWC (Figure 3).
Nomination: 15-595

Table 1.–111-50-10620-2006 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
14	58.3605	-134.5670	Outlet of culvert under driveway to business.	MT	9 SB
15	58.3605	-134.5674	Pool at base of parking for business.	MT	37 SB
16	58.3603	-134.5675	Pool between fence and footprint of business parking lot.	MT	No Fish
13	58.3605	-134.5679	Overflow from 111-50-10620-2006-3005.	MT	No Fish
868	58.3611	-134.5690	Outlet of culvert under sidewalk and inlet of culvert under Egan Drive. There is a foot gap between this culvert outlet and culvert inlet for Egan Drive culvert.		
869	58.3611	-134.5700	Outlet of Egan Drive culvert.		
870	58.3593	-134.5668	Inlet of culvert under Old Dairy Road.		
871	58.3592	-134.5670	Outlet of culvert under Old Dairy Road.	EF	1 DV
876	58.3591	-134.5669		EF	1 DV
872	58.3587	-134.5664	Black smooth wall culvert inlet.		
873	58.3586	-134.5664	Black smooth wall culvert outlet. Not sure why culvert is here.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
874	58.3585	-134.5664	Small build up of rock. Maybe a block to fish at low water.		
875	58.3585	-134.5665	Inlet of culvert under Yandukin Drive.		

Figure 1.–Outlet of culvert under Old Dairy Road.

Figure 2.–Dolly Varden char captured at Old Dairy Road culvert.

Figure 3.–111-50-10620-2006 delist map.

111-50-10620-2006-3005 DELIST

Water body name: **Survey date:** 1/23/2014
Water body number: 111-50-10620-2006-3005 **Species & Lifestage:** COr, DVr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: This tributary drains into wetlands along Egan Drive (Table 1). Only resident fish were captured on two different events and stream only has water during heavy or long rain events.
Recommendations: Remove stream from the AWC (Figure 1).
Nomination: 15-596

Table 1.–111-50-10620-2006-3005 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
865	58.3608	-134.5674	Outlet of culvert under private driveway.	EF	No Fish
866	58.3607	-134.5675		EF	2 DV
867	58.3612	-134.5690	Inlet of culvert under sidewalk along Egan Drive.		

Figure 1.–111-50-10620-2006-3005 delist map.

Juneau

111-50-10620 CORRECTION

Water body name: Jordan Creek **Survey date:** 8/21/2009
Water body number: 111-50-10620 **Species & Lifestage:** CHp, COp, CTp, DVp, Ps
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: Pink salmon were observed near the Jordan Avenue bridge and three redds (Table 1).
Recommendations: Please correct the species list to include spawning pink salmon.
Nomination: 09-1088

Table 1.–111-50-10620 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.3640	-134.5810	Pink salmon spawning and redds.	VL	4

Figure 1.–111-50-10620 species correction map.

111-50-10625 CORRECTION

Water body name: **Survey date:** 1/15/2015
Water body number: 111-50-10625 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: This stream flows from Rainforest Gardens through culverts under Glacier Highway and Egan Drive (Table 1). There are deep pools at the outlets of both culverts. Stream goes into Mendenhall Wetlands. Captured coho salmon and Dolly Varden char (Figures 1, 2). The upper extent is a rock weir to prevent fish passage (Figure 3).
Recommendations: Correct the current route in the AWC (Figure 4).
Nomination: 15-574

Table 1.–111-50-10625 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
856	58.3563	-134.5462	High tide impacts start here.		
855	58.3581	-134.5487	Minnow trap set 15ft below the Egan Drive culvert outlet.	MT	1 CO
854	58.3582	-134.5489	Culvert outlet under Egan Drive.	MT	6 DV
853	58.3585	-134.5489	Culvert inlet under Egan Drive.	MT	1 DV
848	58.3587	-134.5489	North side of fence.	MT	1 DV
849	58.3587	-134.5489	Middle of section of creek.	MT	1 DV
850	58.3590	-134.5487	Culvert outlet under Glacier Highway.	MT	1 CO, 6 DV
851	58.3592	-134.5486	Culvert inlet under Glacier Highway.	MT	5 DV
852	58.3593	-134.5486	Above possible rock weir barrier.	MT	No Fish

Figure 1.–Smolty coho captured at Glacier Highway culvert outlet.

Figure 2.–Dolly Varden char captured below rock weir.

Figure 3.–Rock weir just above Glacier Highway culvert.

Figure 4.–111-50-10625 route correction map.

111-50-10630 ADDITION

Water body name: **Survey date:** 2/25/2015
Water body number: 111-50-10630 **Species & Lifestage:** COr
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: I surveyed this stream using minnow traps and a GPS (Table 1). I captured rearing coho salmon in the upper reach of this stream, culvert type and system is fish block. The upper reach is where water is coming out of a smooth walled culvert at entrance of the City of Juneau's Public Works Dept. off Old Glacier Highway (Figures 1, 2). The water coming out of this culvert is being collected from behind property and transported through several hundred feet of culvert. I captured rearing coho salmon (Figure 3). Stream crosses both Glacier Highway and Egan Drive and empties into the Mendenhall Wetlands (Figures 4-6).
Recommendations: Add stream to the AWC (Figure 7).
Nomination: 15-597

Table 1.–111-50-10630 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
35	58.3573	-134.5371	High tide line.		
34	58.3582	-134.5366	Outlet of Egan Drive culvert.		
26	58.3587	-134.5366	Inlet of culvert under Egan Drive. Have water coming in from ditch and from another source. Turned out water from same source.		
25	58.3587	-134.5363	Small falls on mainstem that would that would limit fish passage at low flows.		
24	58.3587	-134.5357	Tributary entering on river right. Fish barriar at confluence, has a just over 1' mound falls.		
23	58.3588	-134.5332	Outlet of culvert under Glacier Highway.		
17	58.3590	-134.5331	Inlet of culvert under Glacier Highway.	MT	9 CO
18	58.3590	-134.5330	Minnow trap set behind 1 of 3 sediment screens. Fish can pass screen.	MT	No Fish
19	58.3590	-134.5330	Minnow trap set behind 3 of 3 sediment screens. Fish can pass.	MT	No Fish
20	58.3591	-134.5332	Outlet of culvert under City's Public Works Dept. entrance to Glacier Highway. Fish block.	MT	3 CO

Figure 1.–Smooth wall culvert under Public Works entrance.

Figure 2.–Three sediment screens in stream that fish can pass.

Figure 3.–One of several coho salmon captured.

Figure 4.–Inlet of Egan Drive culvert.

Figure 5.–Outlet of Egan Drive culvert.

Figure 6.–Stream has a defined channel into Mendenhall Wetlands.

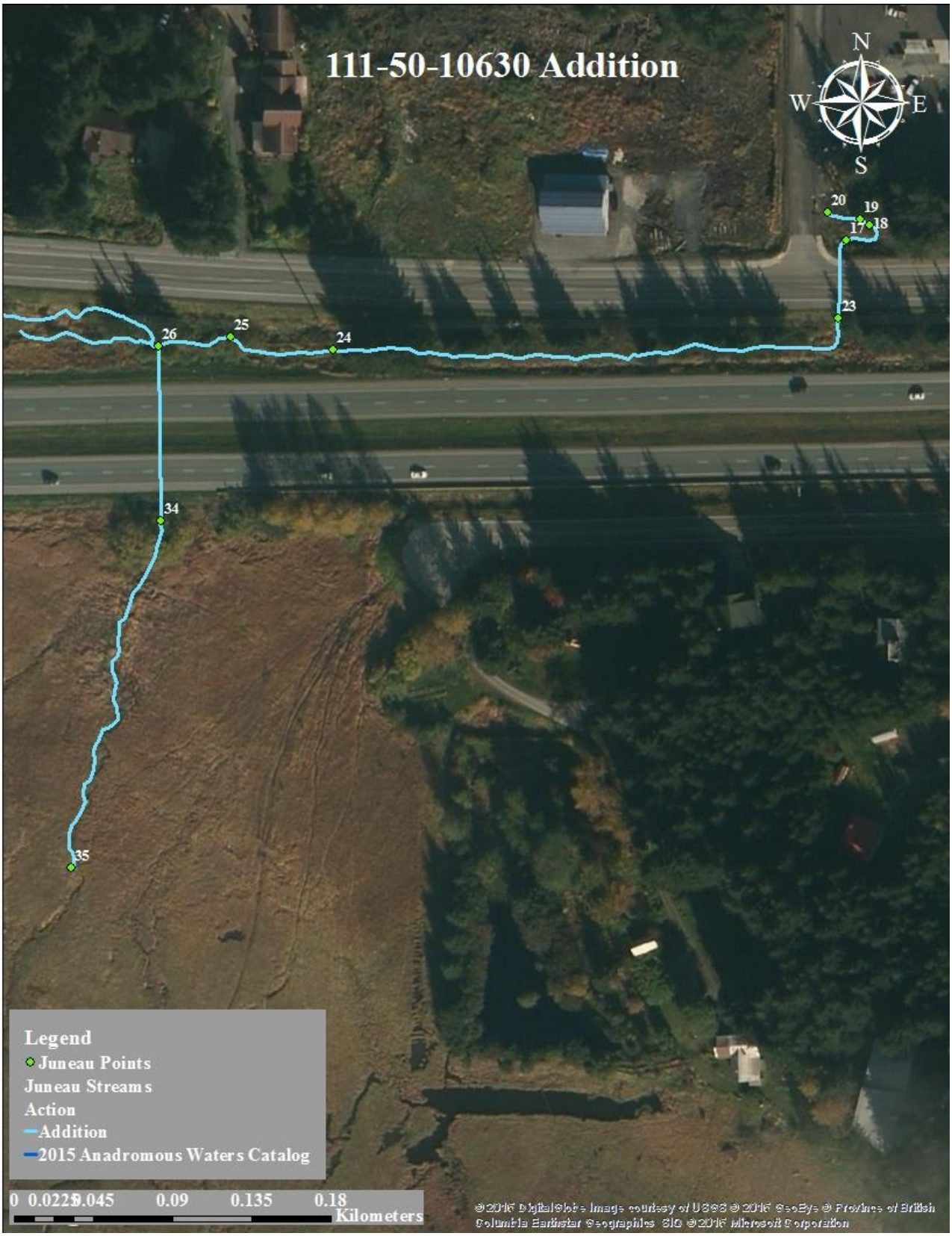

Figure 7.–111-50-10630 addition map.

111-50-10750-2041 ADDITION

Water body name: **Survey date:** 9/13/2013
Water body number: 111-50-10750-2041 **Species & Lifestage:** COr, Ps
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2041 using a backpack electrofisher and visual identification (Table 1). We captured rearing coho salmon, Dolly Varden char, and cutthroat trout (Figure 1). We also observed spawning pink salmon and spawned out pink salmon on stream bank (Figure 2). We ended the survey where there was little flow.
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-525

Table 1.–111-50-10750-2041 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
715	58.2747	-134.6529	Last tributary on Peterson Creek. Calm and tannic. Visual on pink salmon spawning.	VL	P
747	58.2747	-134.6531	Tributary entering on river right.		
748	58.2747	-134.6524		EF	1 CO, 1 CT, 1 DV
749	58.2747	-134.6524		EF	1 CO, 1 CT, 1 DV
750	58.2749	-134.6508	Light organic fines.	EF	1 CO
751	58.2753	-134.6503	Ending survey. Little flow.		

Figure 1.–Captured rearing coho salmon.

Figure 2.–Pink salmon carcasses on stream bank.

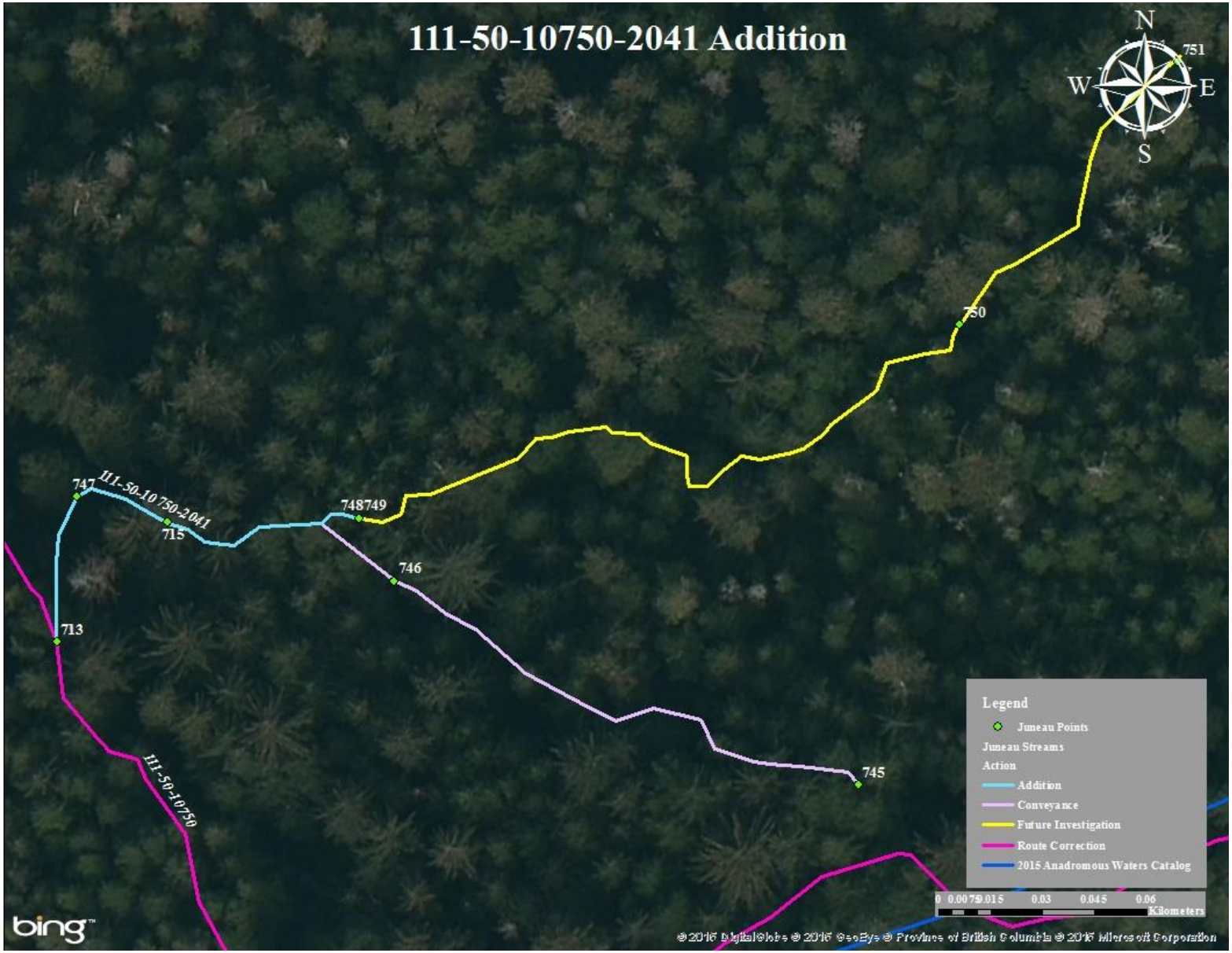

Figure 3.–111-50-10750-2041 addition map.

Juneau

111-50-10750-2031 ADDITION

Water body name: **Survey date:** 10/8/2013
Water body number: 111-50-10750-2031 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2031 and captured coho salmon and cutthroat trout (Table 1). The stream loses a defined channel and goes subterranean in several places. We ended the survey because there was no channel and minimal flow.
Recommendations: Add stream to AWC (Figure 1).
Nomination: 14-526

Table 1.–111-50-10750-2031 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
964	58.2817	-134.6634	Confluence of Peterson Creek and small tributary on river right.		
965	58.2817	-134.6632	2 CO between 40-50mm.	EF	2 CO
966	58.2818	-134.6627	3 CO between 40-55mm.	EF	3 CO
967	58.2818	-134.6621	2 CO between 45-50mm.	EF	2 CO
968	58.2820	-134.6619	1 CO about 55mm.	EF	1 CO
969	58.2821	-134.6619	1 CO about 40mm.	EF	1 CO
970	58.2822	-134.6617	2 CO between 40-50mm.	EF	2 CO
971	58.2823	-134.6614	1 CO about 40mm.	EF	1 CO
972	58.2823	-134.6613	Tributary entering on river right. Tributary has low flow and filled with iron sludge.		
976	58.2823	-134.6611	Some sections with flow through and a subterranean channel. 1 CT about 40mm.	EF	1 CT
977	58.2824	-134.6605	Stream goes through a undefined, vegetated marsh for about 40ft. Re-emerges in forest on upstream side. There is marginal habitat and connectivity.		
978	58.2825	-134.6603		EF	1 CO
979	58.2825	-134.6601	Small tributary enters river left. There is no defined channel, heavily vegetated and minimal flow.		
980	58.2824	-134.6598	Very little semblance of channel. More vegetated and little flow.	EF	No Fish

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
981	58.2825	-134.6596	Back into watered area with flow. Stream fans out into wetland pools among alders.	EF	No Fish
982	58.2826	-134.6594	Found a flowing channel again.	EF	No Fish
983	58.2826	-134.6591	Channel widens into pool with skunk cabbage. Organic substrate about 4-6" deep.		
984	58.2828	-134.6587	Some gravel substrate.		
985	58.2830	-134.6586	Long stretches of disconnected channel. 1 CT about 120mm.	EF	1 CT
986	58.2830	-134.6585	1 CT about 100mm.	EF	1 CT
987	58.2832	-134.6582	Unknown salmoniod that got into murky substrate before it could be captured.	VL	Unknown
988	58.2835	-134.6581	Still flow and defined channel, but losing water and many subterranean sections.		
989	58.2837	-134.6567	There is minimal flow and some subterranean areas.	EF	No Fish
990	58.2841	-134.6568	Calling it for the day. 1 CT about 65mm.	EF	1 CT

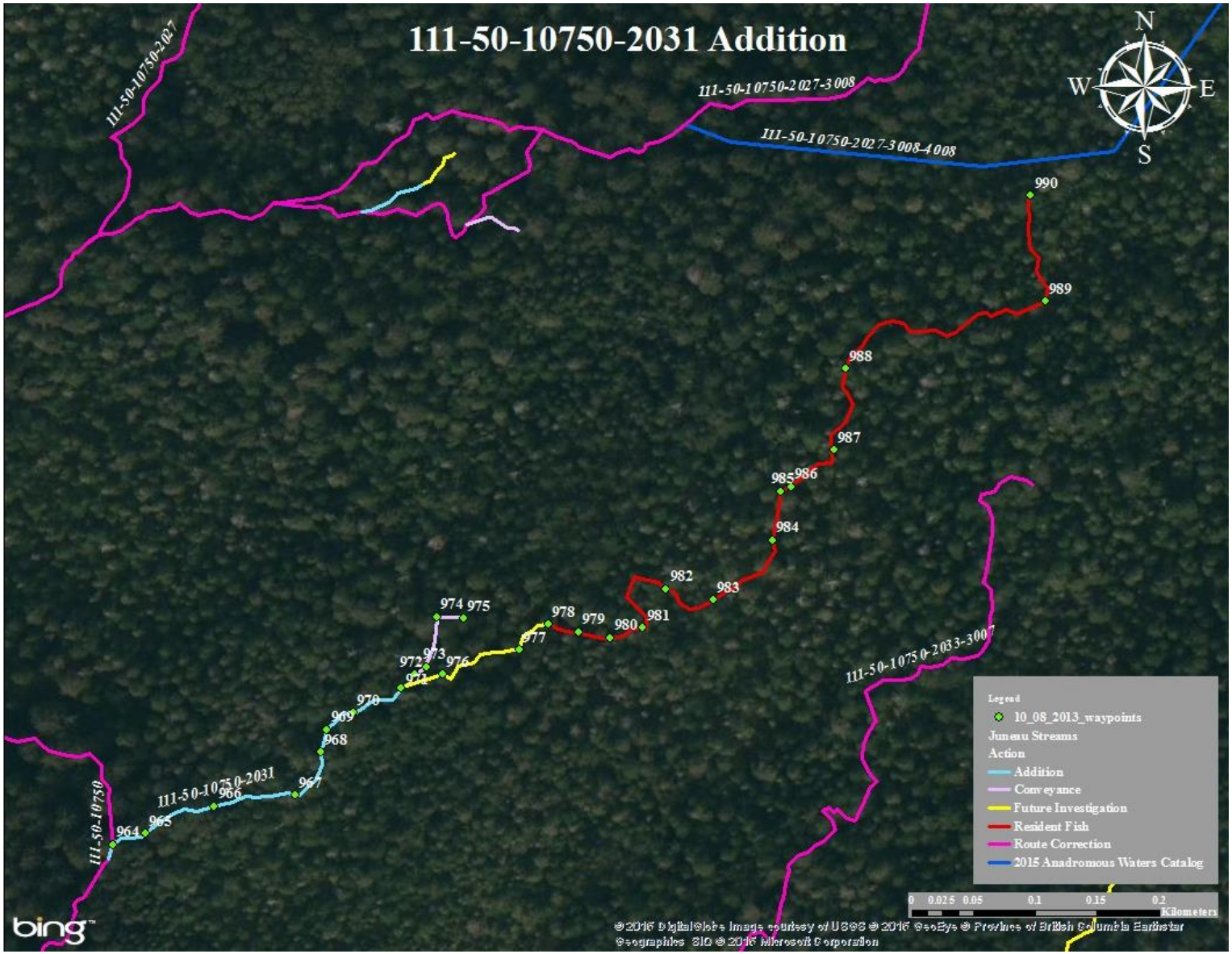

Figure 1.–111-50-10750-2031 addition map.

111-50-10750-2027 CORRECTION

Water body name: **Survey date:** 10/11/2013
Water body number: 111-50-10750-2027 **Species & Lifestage:** COr, CTpr, Ps, DVr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2027 with a backpack electrofisher and captured coho salmon, Dolly Varden char, and cutthroat trout (Table 1). This stream has several beaver dams on it, but even so we observed an adult female coho salmon holding in a pool below a debris dam upstream of beaver dam section. We ended the survey at the base of a cascade falls.
Recommendations: Correct the current route shown in AWC (Figure 1).
Nomination: 14-527

Table 1.–111-50-10750-2027 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
991	58.2826	-134.6661	Tributary entering river right.		
992	58.2828	-134.6657	Very nice spawning gravel.	EF	3 CO
993	58.2830	-134.6656		EF	4 CO
994	58.2836	-134.6644		EF	2 CO
995	58.2840	-134.6636	Tributary entering river left.		
1032	58.2843	-134.6635	Half of water that makes up Peterson Creek. #991.		
1033	58.2850	-134.6626	Beaver dam.		
1034	58.2856	-134.6624	Another beaver dam.		
1035	58.2859	-134.6626	At beaver dam.		
1036	58.2872	-134.6635	Two river otters.		
1037	58.2881	-134.6640	Basically top of beaver pond from last dam at 1035.		
1038	58.2884	-134.6642	Another beaver dam.		
1039	58.2898	-134.6660	Above beaver complex and back to a stream channel.		
1040	58.2901	-134.6662	Ditch tributary entering on river right.		
1041	58.2903	-134.6666		EF	1 CO
1065	58.2905	-134.6657	Tributary entering river right, but not much flow and only 5ft long.		
1066	58.2907	-134.6654		EF	1 CO, 1 DV
1067	58.2914	-134.6638		EF	1 DV, 1 CT
1068	58.2914	-134.6632	Unknown adult fish. The stream branches starting up the river left.		Unknown
1069	58.2914	-134.6624	Stopped on river left.		
1081	58.2913	-134.6616	Captured under a undercut bank.	EF	1 CO, 1 CT
1082	58.2912	-134.6616	1 CO about 35mm.	EF	1 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1083	58.2909	-134.6610		EF	1 CO, 1 DV
1084	58.2909	-134.6610	One adult female coho holding in a pool at base of a log jam.	VL	1 CO
1085	58.2907	-134.6606		EF	1 CO, 1 CT
1086	58.2905	-134.6603		EF	2 CO
1087	58.2904	-134.6598		EF	1 CO
1088	58.2903	-134.6596		EF	1 CO
1089	58.2902	-134.6595	Tributary entering on river left.		
1090	58.2902	-134.6596		EF	3 CO
1091	58.2901	-134.6596		EF	1 CO, 2 DV
1092	58.2901	-134.6595	Small irony conveyance stream entering tributary.		
1093	58.2900	-134.6594	The conveyance stream turned out to be a side channel.	EF	1 CO
1094	58.2899	-134.6593	Stream becoming mushy and mossy. Intermittent pools and subsurface flows.	EF	2 DV
1095	58.2898	-134.6592	Organic substrate.	EF	2 CO
1096	58.2897	-134.6591		EF	2 CO
1097	58.2897	-134.6588	The side channel connects here.		
1098	58.2896	-134.6584		EF	1 CO
1099	58.2896	-134.6584	Conveyance stream on river left.		
1100	58.2894	-134.6583		EF	1 CO
1101	58.2896	-134.6581	Gravel substrate.	EF	1 CO
1102	58.2894	-134.6575		EF	3 CO
1103	58.2893	-134.6574	Tributary coming in on river right.		
1104	58.2893	-134.6574	Captured a nice cutthroat at base of 2' cascade.	EF	1 CO, 1 CT
1105	58.2893	-134.6573	Big purple smolt.	EF	1 CO
1106	58.2891	-134.6571	Wpt# 1103 tributary is a side channel.		
1107	58.2890	-134.6570		EF	2 CO
1108	58.2889	-134.6568	Another small irony tributary on river left.		
1109	58.2888	-134.6565		EF	1 CO
1110	58.2888	-134.6565		EF	1 CT
1111	58.2887	-134.6562		EF	1 CO, 1 CT
1112	58.2886	-134.6560		EF	1 CO
1113	58.2886	-134.6560	At the confluence of side channel and mainstem.	EF	1 CO

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1114	58.2885	-134.6557		EF	1 CO
1115	58.2884	-134.6553		EF	1 CO
1116	58.2885	-134.6552		EF	1 CO
1117	58.2885	-134.6550		EF	1 CO, 1 CT
1118	58.2889	-134.6543	Substrate is mostly cobble with pockets of sand.	EF	1 DV
1119	58.2891	-134.6538	A slight gradient increase.	EF	No Fish
1120	58.2892	-134.6536		EF	No Fish
1121	58.2893	-134.6531	Gradient increasing again.	EF	No Fish
1122	58.2894	-134.6529		EF	No Fish
1123	58.2894	-134.6528	One of the Dolly Varden char was about 115mm.	EF	3 DV
1124	58.2895	-134.6523		EF	1 DV
1125	58.2897	-134.6522	Large pool just below the proposed road.	EF	1 DV
1126	58.2897	-134.6520	Narrow bedrock channel approximalty 10' long.	EF	No Fish
1127	58.2897	-134.6520	Just below proposed road.	EF	1 CT
1128	58.2898	-134.6518	Exactly at proposed road crossing.	EF	1 DV
1129	58.2898	-134.6516	Above the proposed road crossing.	EF	1 CT
1130	58.2898	-134.6514	Base of bedrock cascade above the proposed road crossing.	EF	No Fish

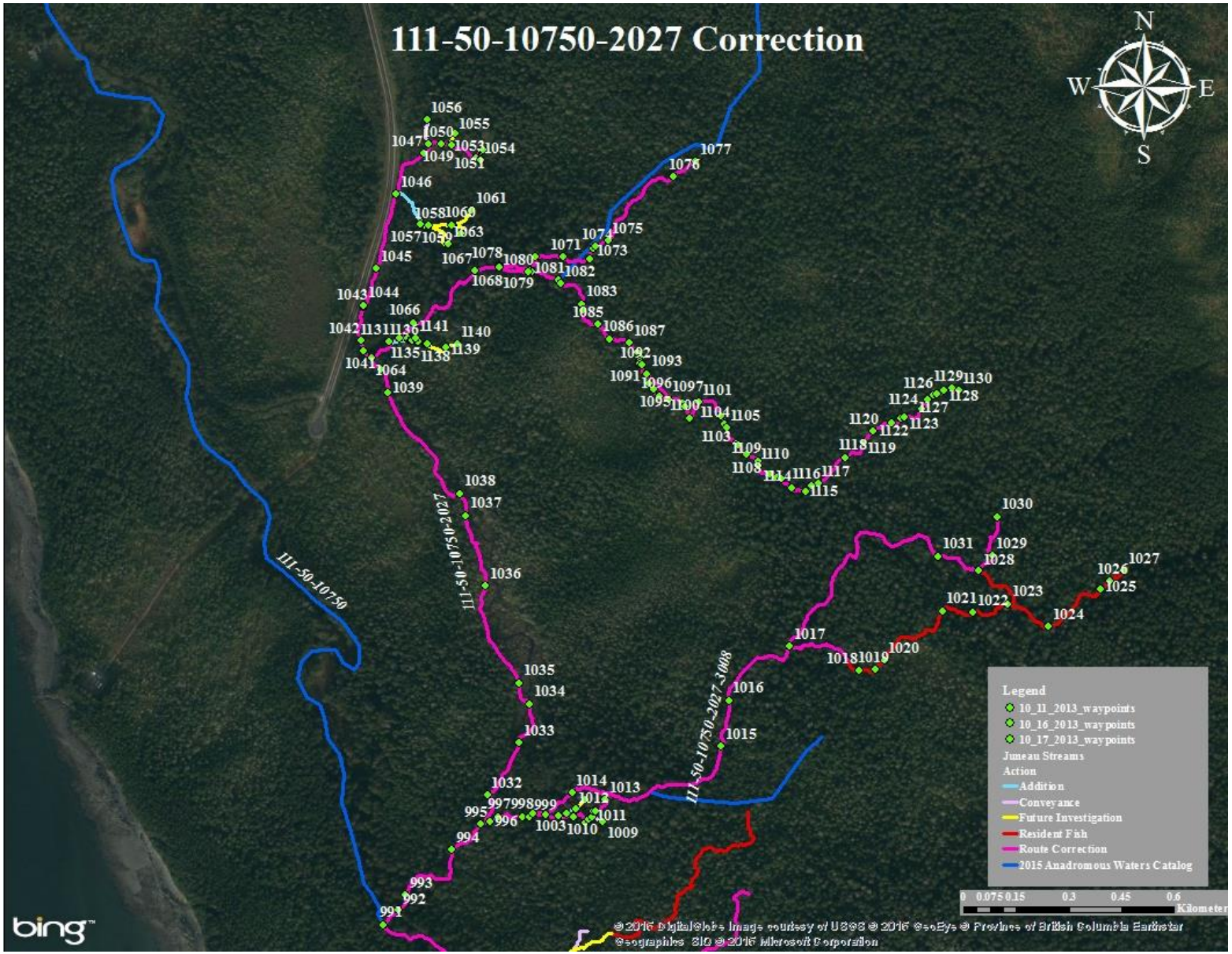

Figure 1.–111-50-10750-2027 correction map.

Juneau

111-50-10750-2027-3024 ADDITION

Water body name: **Survey date:** 10/17/2013
Water body number: 111-50-10750-2027-3024 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2027-3024 and caught coho salmon and cutthroat trout using a backpack electrofisher (Table 1). We ended the survey because no more defined channel and water is draining from muddy wetland area.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 14-528

Table 1.–111-50-10750-2027-3024 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1132	58.2905	-134.6655	Tributary entering river right with very little flow.	EF	1 CO, 1 CT
1133	58.2905	-134.6655		EF	1 CO
1134	58.2904	-134.6654		EF	1 CO
1135	58.2904	-134.6654		EF	1 CO
1136	58.2904	-134.6652		EF	1 CO
1137	58.2904	-134.6650	Murky organic substrate.	EF	1 CO
1138	58.2904	-134.6650	At confluence of tiny murky tributary.	EF	1 CO
1139	58.2904	-134.6645	Stream becoming more of a drain for forested wetland.		
1140	58.2904	-134.6642	At the top. The water is draining a muddy wetland.		

Figure 1.–111-50-10750-2027-3024 addition map.

Juneau

111-50-10750-2027-3008 CORRECTION

Water body name: **Survey date:** 10/11/2013
Water body number: 111-50-10750-2027-3008 **Species & Lifestage:** COr, DVr, CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2027-3008 using a backpack electrofisher and GPS (Table 1). We captured coho salmon, Dolly Varden char, and cutthroat trout (Figure 1). We observed a pair of adult coho salmon making a redd. This stream splits, comes back together and starts to increase in gradient (Figure 2).
Recommendations: Correct the current course in AWC (Figure 3).
Nomination: 14-529

Table 1.–111-50-10750-2027-3008 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
995	58.2840	-134.6636	Tributary entering river left.		
996	58.2840	-134.6634		EF	1 CO, 1 CT
997	58.2841	-134.6632		EF	2 CO, 1 CT
998	58.2841	-134.6626		EF	1 CO, 1 CT
999	58.2841	-134.6624		EF	2 CO, 1 DV
1000	58.2841	-134.6623	Tributary entering river left.		
1001	58.2841	-134.6620	Not very good connection between pools.	EF	2 CO, 2 CT
1002	58.2841	-134.6616	Tributary entering river right.		
1006	58.2841	-134.6613		EF	1 CO, 1 CT
1007	58.2840	-134.6610		EF	2 CO
1008	58.2840	-134.6609	Tributary entering on river right. The substrate is a ferric sludge.		
1010	58.2841	-134.6608		EF	1 CO
1011	58.2841	-134.6608		EF	2 CO, 1 DV
1012	58.2841	-134.6607		EF	1 CO, 1 DV
1013	58.2843	-134.6604	This tributary is actually a side channel of the main tributary.		
1014	58.2844	-134.6613	This is a new channel for the main tributary.		
1015	58.2850	-134.6575	A pair of adult coho salmon.	VL	2 CO
1016	58.2856	-134.6573	Pair of adult coho salmon making a redd.	VL	2 CO
1017	58.2863	-134.6557	Possible side channel on river left.		
1018	58.2860	-134.6539	Captured a very big resident Dolly Varden char in spawning colors at the base of small cascade.	EF	1 DV, 1 CT

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1019	58.2860	-134.6535		EF	1 CT
1020	58.2862	-134.6533		EF	1 DV, 1 CT
1021	58.2868	-134.6518	The water goes subterranean.	EF	1 CT
1022	58.2868	-134.6510	Possible proposed road site.		
1023	58.2869	-134.6501	The stream splits in half here.		
1024	58.2866	-134.6491	Gradient has been increasing from wpt# 1023 to here.	EF	1 DV
1025	58.2871	-134.6478	Where proposed road actual crossing going to be.	EF	1 CT
1026	58.2872	-134.6475	Captured another large Dolly Varden char in spawning colors.	EF	1 DV
1027	58.2874	-134.6472	Calling it here. Have gone a bit above the road and have shown there are resident fish.	EF	1 DV
1028	58.2874	-134.6509	Tributary entering river left.		
1031	58.2876	-134.6519	Spooked an adult coho salmon while tracking stream.	VL	1 CO

Figure 1.–Captured Dolly Varden char in spawning colors.

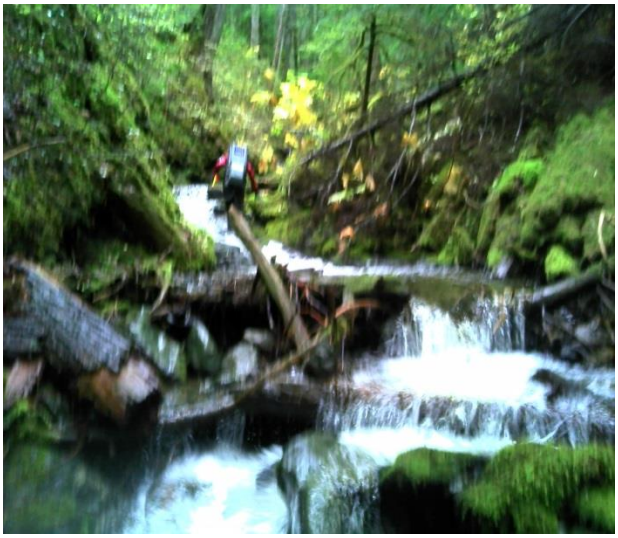

Figure 2.–Nicole Legere walking upstream.

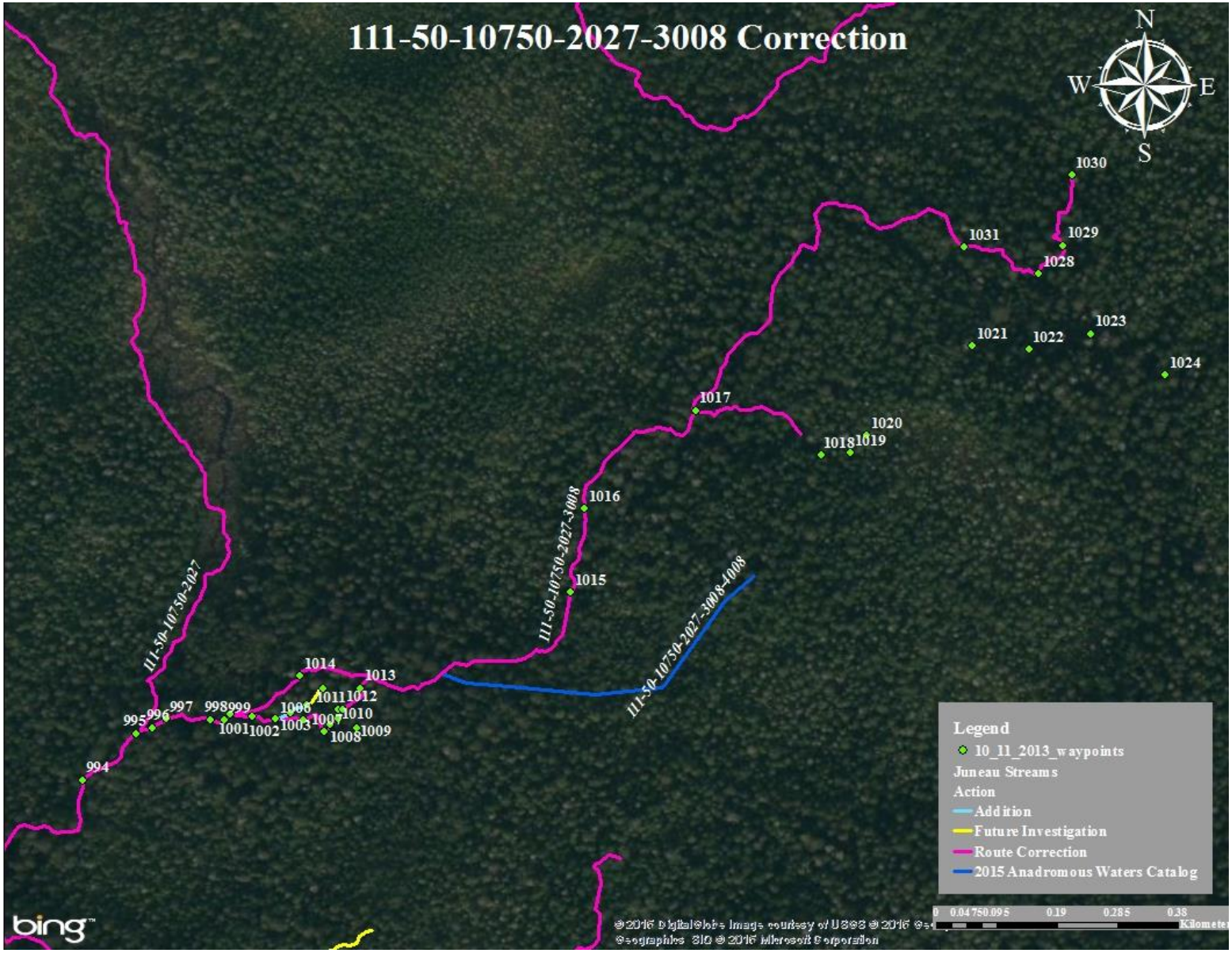

Figure 3.–111-50-10750-2027-3008 correction map.

111-50-10750-2027-3008-4004 ADDITION

Water body name: **Survey date:** 10/11/2013
Water body number: 111-50-10750-2027-3008-4004 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2027-3008-4004 and caught coho salmon using a backpack electrofisher (Table 1). We ended the survey at the headwaters where water is upwelling out of the ground (Figures 1, 2).
Recommendations: Add stream to AWC (Figure 3).
Nomination: 14-530

Table 1.–111-50-10750-2027-3008-4004 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1002	58.2841	-134.6616	Tributary entering river right.		
1003	58.2841	-134.6615		EF	1 CO
1004	58.2842	-134.6612		EF	2 CO
1005	58.2843	-134.6610	Top of tributary. Ends under a fallen tree not far from main tributary. Appears to be a upwelling from main tributary.		

Figure 1.–Looking up tributary from 111-50-10750-2027-3008 side channel.

Figure 2.–Near the top where water is seeping out of the ground.

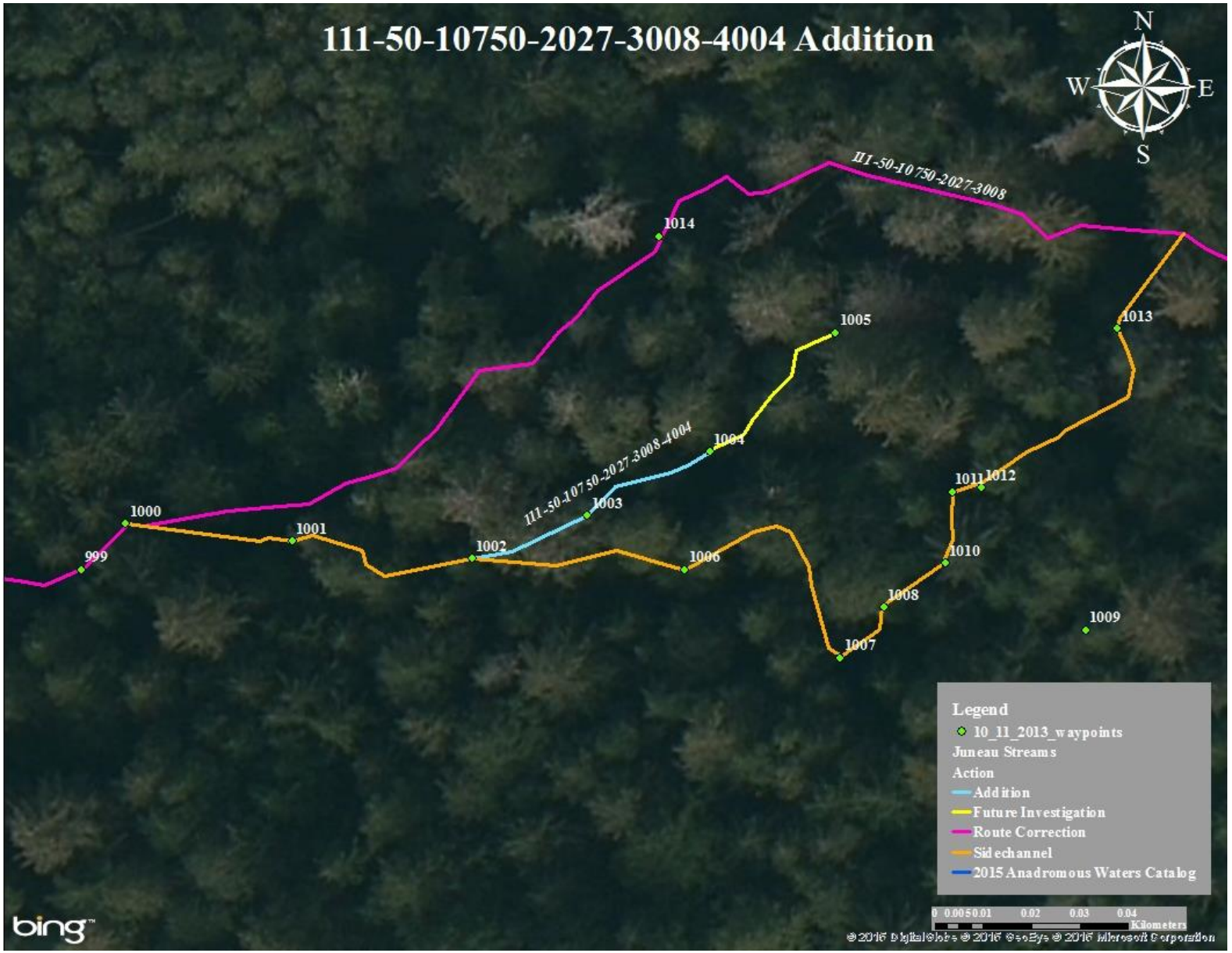

Figure 3.–111-50-10750-2027-3008-4004 addition map.

111-50-10750-2027-3008-4029 CORRECTION

Water body name: **Survey date:** 10/11/2013
Water body number: 111-50-10750-2027-3008-4029 **Species & Lifestage:** CTr, DVr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2027-3008-4029 using a backpack electrofisher and a GPS (Table 1). We captured large resident cutthroat trout in this tributary (Figure 1). We ended the survey at a 15ft waterfall that was coming off hillside (Figure 2).
Recommendations: Correct the current course in AWC (Figure 3).
Nomination: 14-531

Table 1.–111-50-10750-2027-3008-4029 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1028	58.2874	-134.6509	Tributary entering river left.		
1029	58.2876	-134.6505		EF	1 CT
1030	58.2881	-134.6504	There is a waterfall here that is about 15ft.	EF	1 CT

Figure 1.–Captured cutthroat trout.

Figure 2.–15ft cascade waterfall.

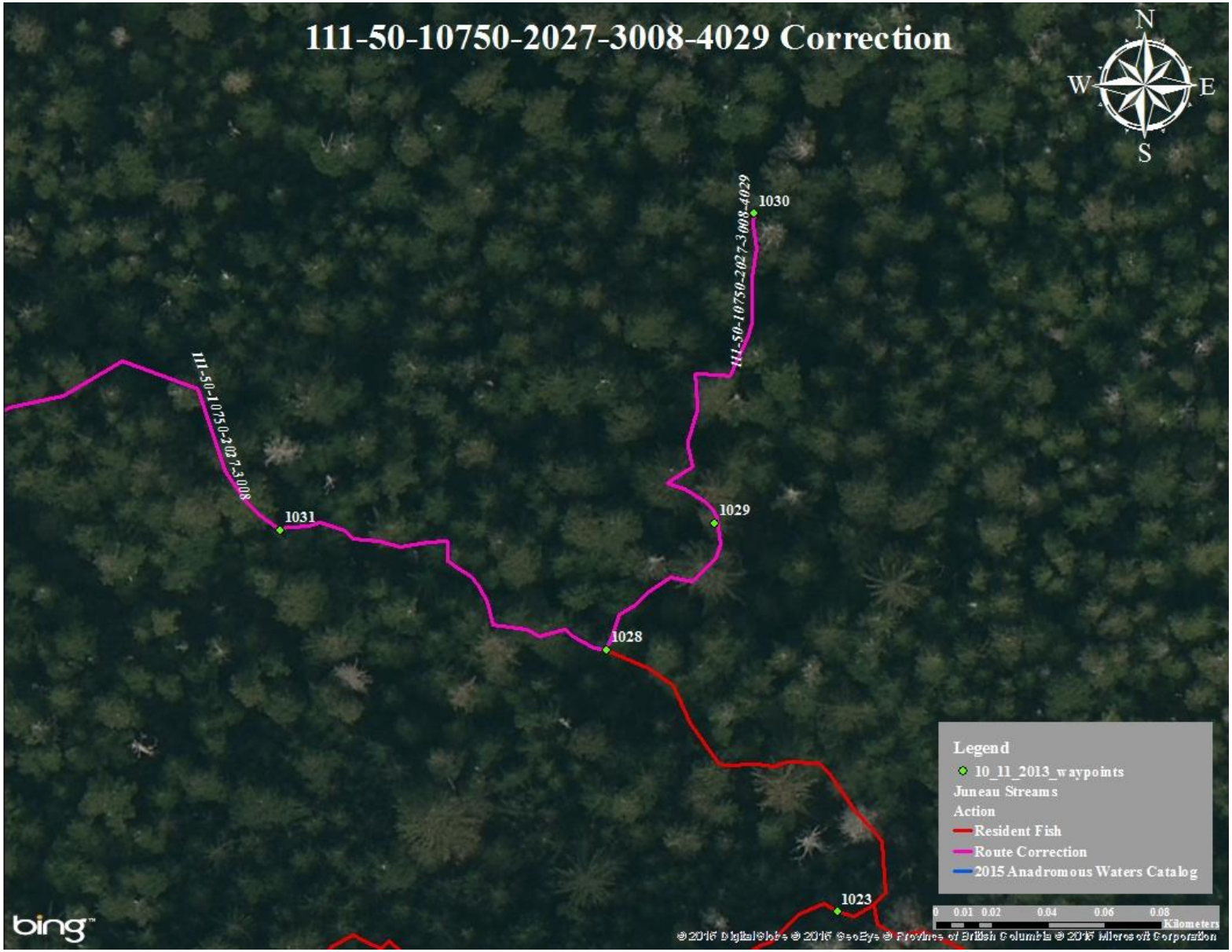

Figure 3.–111-50-10750-2027-3008-4029 correction map.

111-50-10750-2027-3025-4100 ADDITION

Water body name: **Survey date:** 10/16/2013
Water body number: 111-50-10750-2027-3025-4100 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2027-3025-4100 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon and Dolly Varden char. This tributary is fed by water seeping in from several skunk cabbage patches. We ended the survey where the majority of water was seeping out of a skunk cabbage patch.
Recommendations: Add stream to AWC (Figure 1).
Nomination: 14-532

Table 1.–111-50-10750-2027-3025-4100 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1046	58.2918	-134.6661	Tributary entering river left with little flow.	EF	2 CO, 1 DV
1057	58.2920	-134.6652		EF	1 CO
1058	58.2920	-134.6650	Tributary entering on river left.		
1059	58.2920	-134.6644		EF	1 CO
1060	58.2920	-134.6644	Tributary entering on river left.		
1061	58.2922	-134.6639	Top of main tributary to ditch tributary. Water is just seeping out of wide cabbage patch.	EF	No Fish
1062	58.2919	-134.6641	Top of tributary from wpt#1060. Water just seeping out of cabbage patch.		
1063	58.2917	-134.6645	Top of tributary. Water is just seeping out of a cabbage patch.	EF	No Fish

Figure 1.–111-50-10750-2027-3025-4100 addition map.

111-50-10750-2033 CORRECTION

Water body name: **Survey date:** 10/7/2013
Water body number: 111-50-10750-2033 **Species & Lifestage:** COsr, Ps, CTp, DVp
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2033 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon, Dolly Varden char, and cutthroat trout. During our survey we also visually identified an adult coho salmon and a female pink salmon. We ended the survey because water was seeping out of gravel and clay substrate on hillside (Figure 1).
Recommendations: Correct the current course in AWC (Figure 2).
Nomination: 14-533

Table 1.–111-50-10750-2033 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
962	58.2804	-134.6613	Visual on an adult coho salmon.	VL	1 CO
930	58.2800	-134.6594	Main tributary into Peterson Creek.		
931	58.2796	-134.6580	Tributary entering on river left. Not very much flow and lots of ferric sludge.		
934	58.2797	-134.6575	Tributary entering river left.		
947	58.2798	-134.6571	Tributary entering river left.		
954	58.2799	-134.6565	Where river right branch of tributary enters main tributary.		
955	58.2806	-134.6564	Goes subterranean here. At high water possible for adults to bypass.		
956	58.2807	-134.6562	Pink salmon carcasses.	EF	2 CO
957	58.2806	-134.6561	Visual on one adult female pink salmon that was still alive.	VL	P
958	58.2808	-134.6537		EF	1 DV
959	58.2809	-134.6533		EF	1 CT
960	58.2811	-134.6519		EF	1 DV
961	58.2814	-134.6497	The water is coming out of gravel and clay substrate here.		

Figure 1.–Water seeping out of gravel and clay substrate.

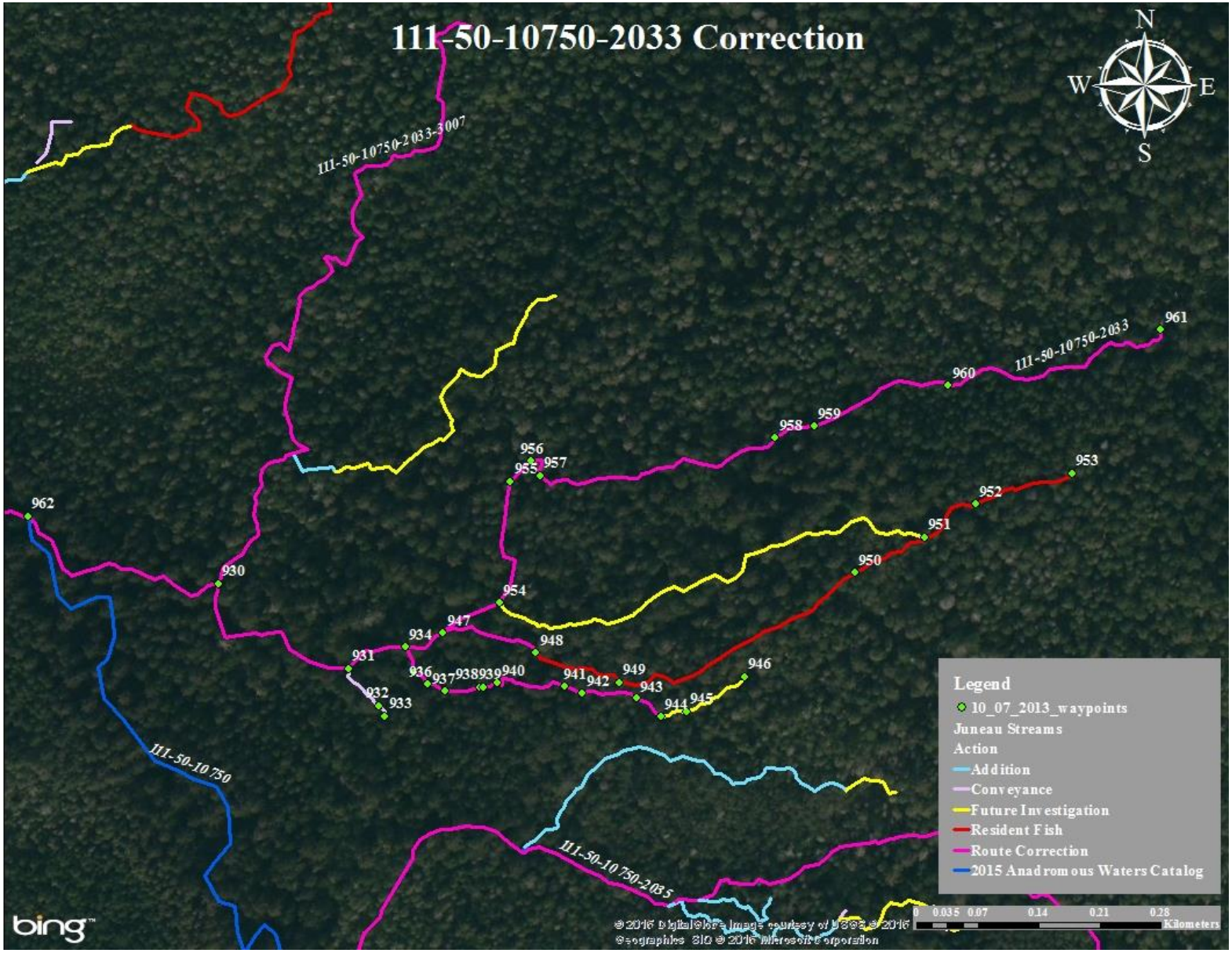

Figure 2.–111-50-10750-2033 correction map.

Juneau

111-50-10750-2033-3007 CORRECTION

Water body name: **Survey date:** 10/3/2013
Water body number: 111-50-10750-2033-3007 **Species & Lifestage:** COr, DVr, CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2033-3007 using a backpack electrofisher and GPS (Table 1).We captured coho salmon throughout. During our survey we observed spawned out pink salmon throughout the lower reach of stream. We electrofished up to previous marker and captured coho salmon and above previous survey marker we did not capture anything (Figure 1). We ended the survey at the same upper limit of previous survey.
Recommendations: Correct the current course in AWC (Figure 2).
Nomination: 14-534

Table 1.–111-50-10750-2033-3007 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
905	58.2800	-134.6595	Tributary entering on river right.		
906	58.2802	-134.6592	Spawned out pink salmon throughout.	EF	2 CO
907	58.2803	-134.6590		EF	2 CO
908	58.2805	-134.6589	Organic substrate.	EF	2 CO
909	58.2807	-134.6586	Tributary entering on river left.		
914	58.2807	-134.6585	Back on main tributary.		
915	58.2808	-134.6586		EF	2 CO
916	58.2809	-134.6587		EF	1 CO
917	58.2812	-134.6589		EF	1 CO
918	58.2812	-134.6589		EF	1 CO
919	58.2813	-134.6588	Large purple smolts.	EF	2 CO
920	58.2813	-134.6587	Large smolty coho.	EF	2 CO
921	58.2815	-134.6586	Many coho juveniles boiled up from under a root wad.	EF	3 CO
922	58.2818	-134.6583		EF	1 CO
923	58.2818	-134.6580	Really smolty to be hanging out in stream.	EF	2 CO
924	58.2822	-134.6580		EF	2 CO
925	58.2823	-134.6577	More smolty coho.	EF	2 CO
926	58.2823	-134.6575		EF	2 CO
927	58.2827	-134.6571	Smolts.	EF	3 CO
928	58.2829	-134.6571	Large smolty coho. This is the 2001 upper most point.	EF	2 CO
929	58.2830	-134.6568	Verified cataloged limit. No fish captured above 2001 upper most point.	EF	No Fish

Figure 1.–Captured rearing coho salmon.

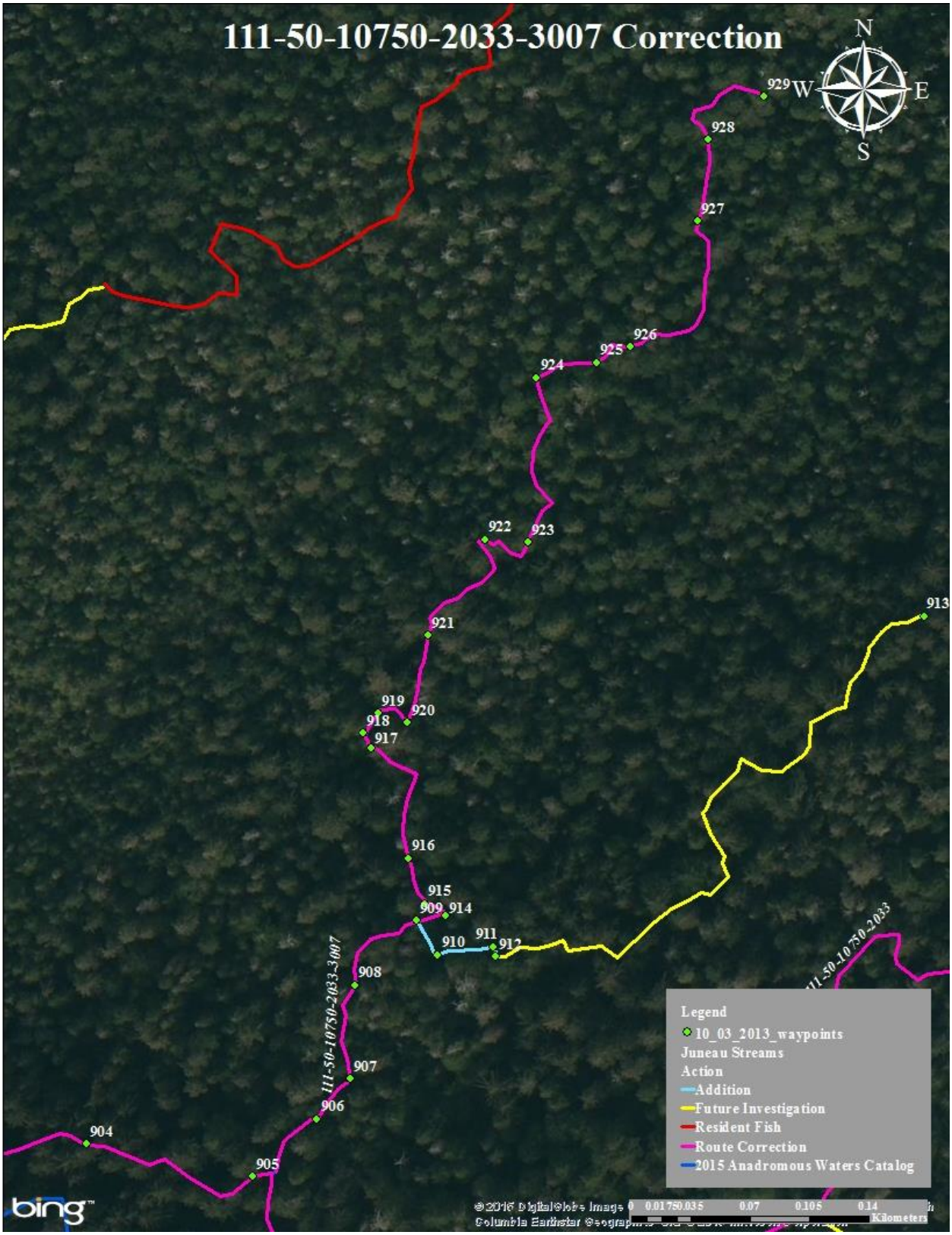

Figure 2.–111-50-10750-2033-3007 correction map.

111-50-10750-2033-3007-4010 ADDITION

Water body name: **Survey date:** 10/3/2013
Water body number: 11-50-10750-2033-3007-4010 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2033-3007-4010 using a backpack electrofisher and a GPS (Table 1). We captured rearing coho salmon throughout. We ended the survey where flows were low and emerging from forested wetland (Figure 1).
Recommendations: Add stream to AWC (Figure 2).
Nomination: 14-535

Table 1.–111-50-10750-2033-3007-4010 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
909	58.2807	-134.6586	Tributary of the tributary on river left.		
910	58.2806	-134.6585		EF	1 CO
911	58.2807	-134.6582		EF	1 CO
912	58.2806	-134.6582		EF	2 CO
913	58.2816	-134.6559	Diminishing flows, emerging from forested wetland.		

Figure 1.–111-50-10750-2033-3007-4010 headwater coming out of forested wetlands.

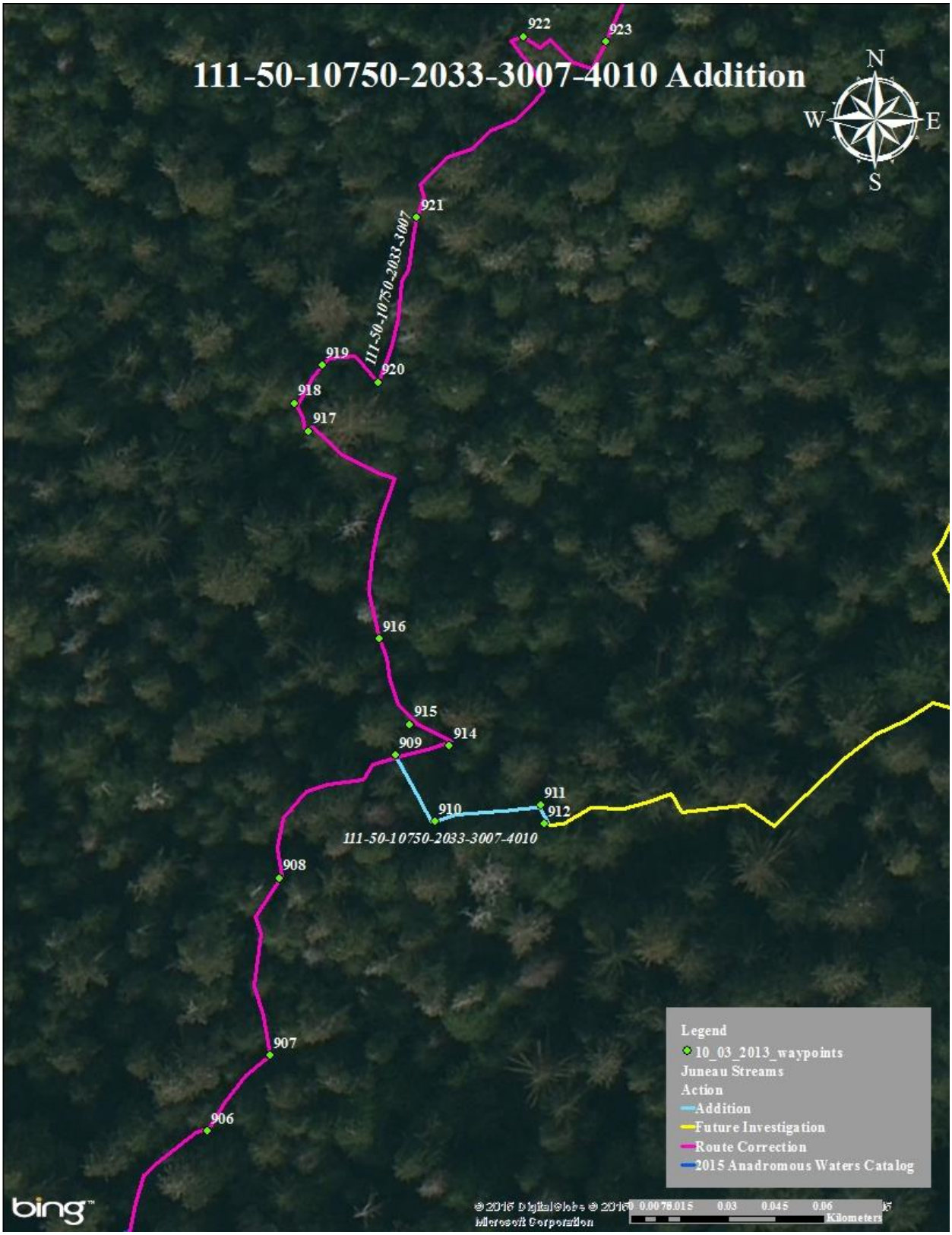

Figure 2.–111-50-10750-2033-3007-4010 addition map.

111-50-10750-2033-3014 CORRECTION

Water body name: **Survey date:** 10/7/2013
Water body number: 111-50-10750-2033-3014 **Species & Lifestage:** COr, CTr, DVr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream 111-50-10750-2033-3014 using a backpack electrofisher and a GPS (Table 1). We captured Dolly Varden, coho salmon, and cutthroat trout. We ended the survey because water is seeping out of a skunk cabbage patch.
Recommendations: Correct the current route in the AWC (Figure 1).
Nomination: 14-536

Table 1.–111-50-10750-2033-3014 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
934	58.2797	-134.6575	Tributary entering on river left.		
935	58.2795	-134.6574		EF	2 CO
936	58.2795	-134.6572		EF	2 CO
937	58.2794	-134.6571		EF	2 CO
938	58.2795	-134.6567		EF	1 CO
939	58.2795	-134.6567		EF	1 CO
940	58.2795	-134.6565		EF	1 DV
941	58.2795	-134.6558		EF	2 CO, 1 CT
942	58.2794	-134.6556		EF	1 DV
943	58.2794	-134.6551		EF	1 CO, 1 DV
944	58.2793	-134.6548		EF	1 CO
945	58.2793	-134.6546	Tributary entering on river left. That ends right way with water just coming out of the ground.		
946	58.2795	-134.6540	Top of tributary, just coming out of a skunk cabbage patch.	EF	No Fish

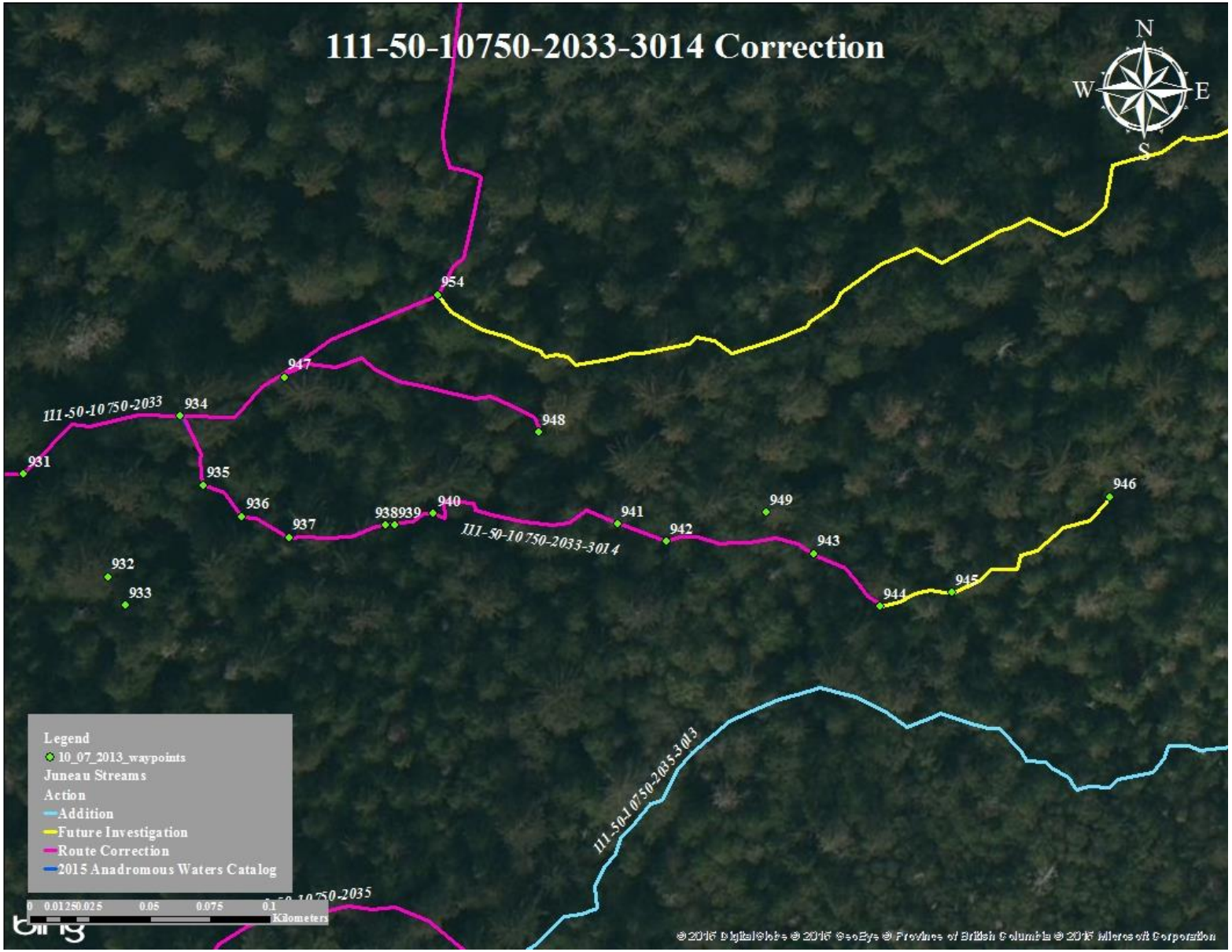

Figure 1.–111-50-10750-2033-3014 correction map.

Juneau

111-50-10750-2033-3018 CORRECTION

Water body name: **Survey date:** 10/7/2013
Water body number: 111-50-10750-2033-3018 **Species & Lifestage:** CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream 111-50-10750-2033-3018 using a backpack electrofisher and a GPS (Table 1). The stream goes subterranean and becomes pools in several locations. We ended the survey because we were not capturing any anadromous fish.
Recommendations: Correct the current course in AWC (Figure 1).
Nomination: 14-537

Table 1.–111-5010750-2033-3018 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
947	58.2798	-134.6571	Tributary entering river left.		
948	58.2796	-134.6561		EF	1 DV
949	58.2795	-134.6553		EF	1 DV
950	58.2801	-134.6528	The tributary goes subterranean. Have electrofished several pools and have gotten nothing.		
951	58.2803	-134.6521	Tributary connects with main water, but splits and some waters goes river right.		
952	58.2805	-134.6516		EF	1 DV
953	58.2806	-134.6506	Calling it here. There is no barrier, but have not gotten a coho in awhile.	EF	1 DV

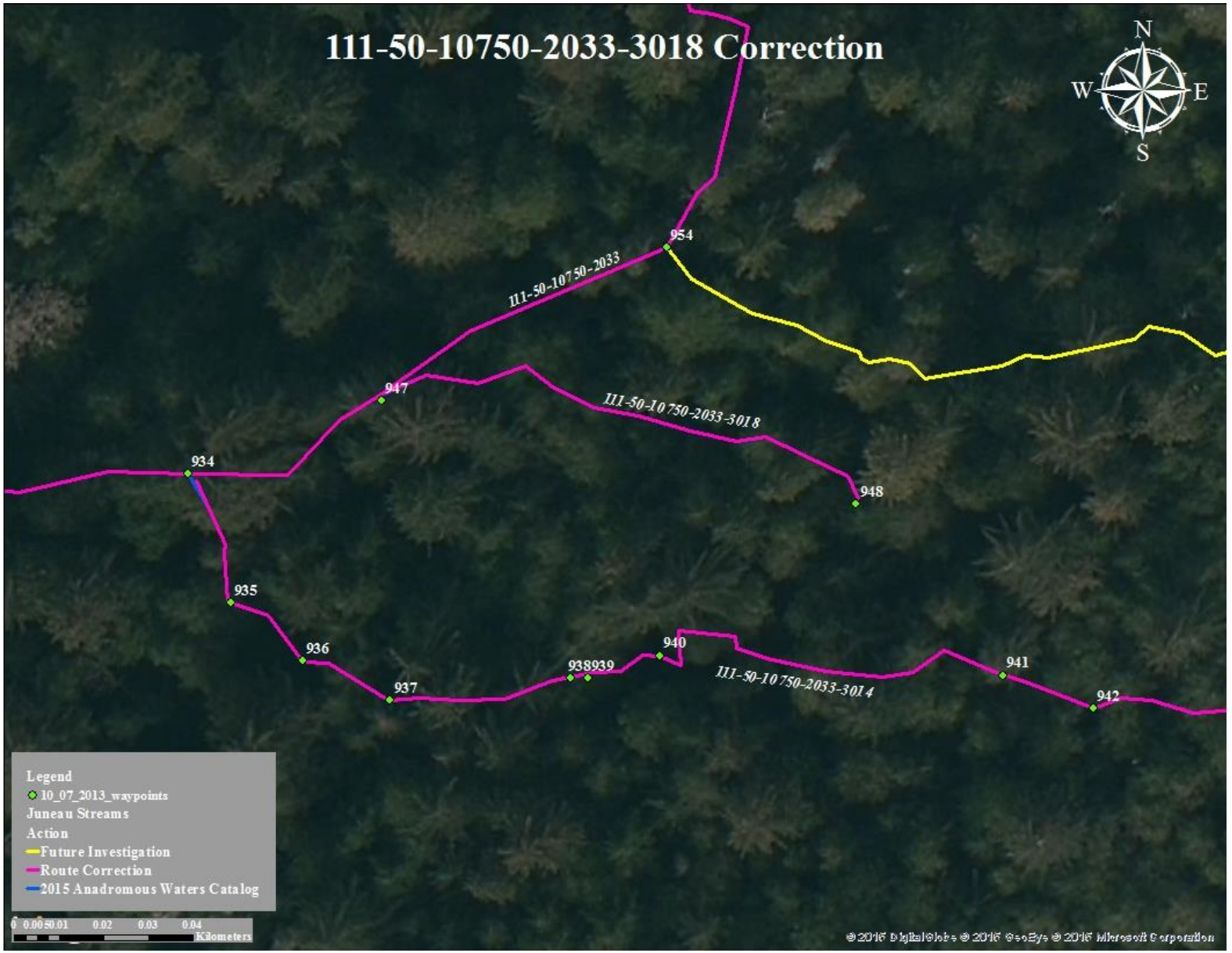

Figure 1.–111-50-10750-2033-3018 correction map.

111-50-10750-2035 CORRECTION

Water body name: **Survey date:** 10/2/2013
Water body number: 111-50-10750-2035 **Species & Lifestage:** COsr, Ps, CTr, DVr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream 111-50-10750-2035 using a backpack electrofisher and a GPS (Table 1), (Figure 1). While surveying the stream we observed many pink salmon carcasses littering the stream bank. We ended the survey at a steep hillside.
Recommendations: Correct the current course in AWC (Figure 2).
Nomination: 14-538

Table 1.–111-50-10750-2035 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
812	58.2775	-134.6592	Tributary entering on river right.	EF	3 CO
813	58.2776	-134.6587	Pink salmon carcass.		
814	58.2776	-134.6584	Pink salmon carcass.		
815	58.2785	-134.6574	Pink salmon carcass.		
816	58.2787	-134.6572		EF	3 CO
817	58.2786	-134.6563	Tributary entering on river right.		
832	58.2787	-134.6521	Main tributary of Peterson Creek is only separated from tributary by 10' ground. Pink salmon carcass present.		
833	58.2779	-134.6500	Pink salmon carcass present.	VL	5 CO
834	58.2779	-134.6492	Tributary entering on river left.		
840	58.2780	-134.6490		EF	2 CO, 2 CT
841	58.2784	-134.6480	Pink salmon carcass present.	EF	2 CO, 1 DV, 1 CT
842	58.2787	-134.6476	Tributary entering on river left.		
853	58.2789	-134.6474	Pink salmon carcasses.	EF	3 CO
854	58.2791	-134.6471	Tributary entering on river left.		
855	58.2791	-134.6469		EF	2 CO, 2 DV, 3 CT
856	58.2793	-134.6459	Pink salmon carcass.	EF	2 CO, 1 CT
857	58.2793	-134.6457		EF	2 CO, 1 CT
858	58.2794	-134.6451		EF	3 CO, 1 CT
859	58.2793	-134.6446		EF	3 CO
860	58.2792	-134.6441		EF	2 CO
861	58.2791	-134.6439		EF	1 CO, 2 CT

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
862	58.2789	-134.6431		EF	2 CO
863	58.2785	-134.6422		EF	1 CT
864	58.2784	-134.6419	The water is coming off a steep hillside here.	EF	No Fish

Figure 1.–Captured rearing coho salmon.

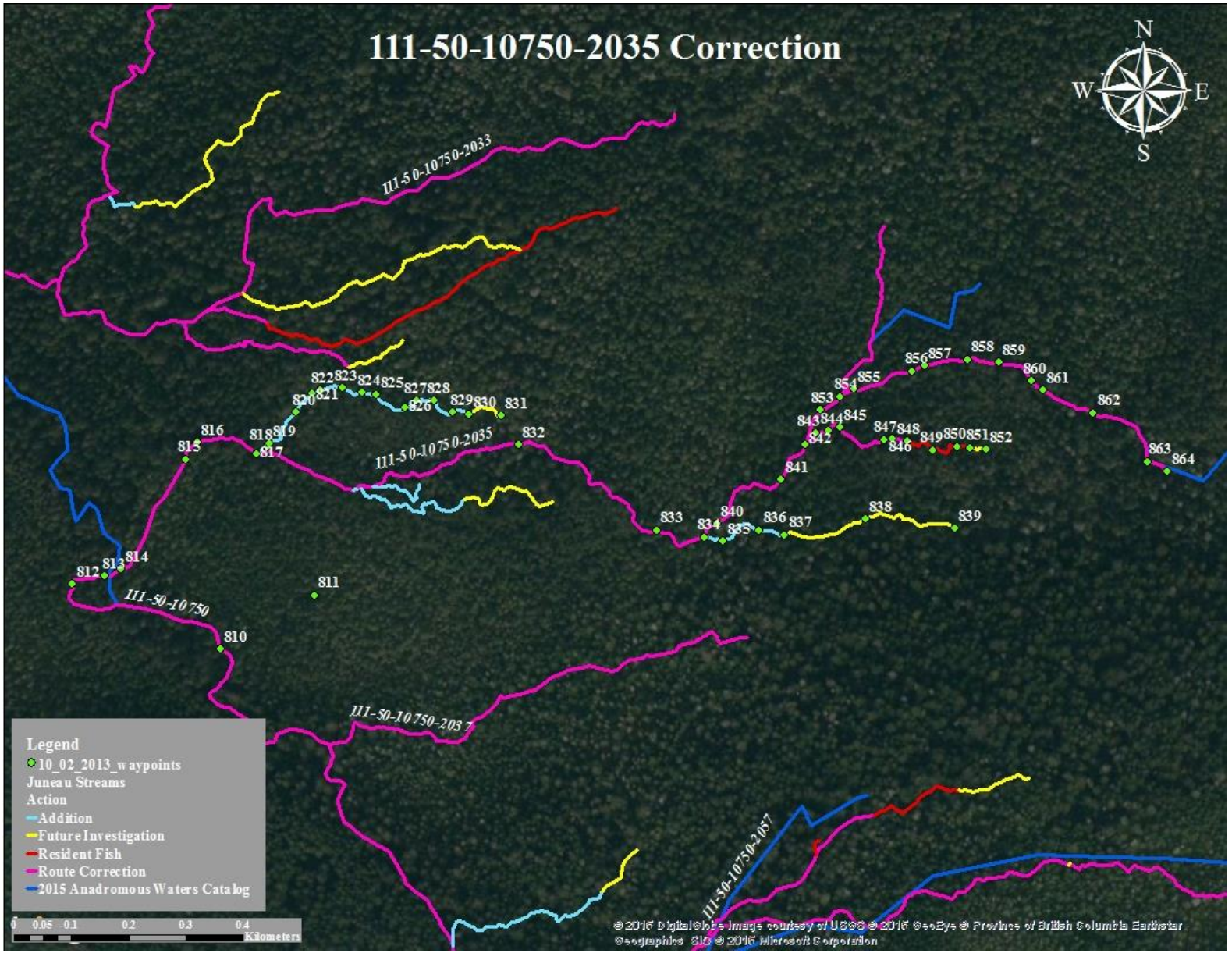

Figure 2.–111-50-2035 correction map.

Juneau

111-50-10750-2035-3013 ADDITION

Water body name: **Survey date:** 10/2/2013
Water body number: 111-50-10750-2035-3013 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2035-3013 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon and cutthroat trout. About half of the stream was pools that were disconnected during the survey. We ended the survey in a skunk cabbage patch where water is originating.
Recommendations: Add stream to AWC (Figure 1).
Nomination: 14-539

Table 1.–111-50-10750-2035-3013 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
817	58.2786	-134.6563	Tributary entering on river right.		
818	58.2786	-134.6561		EF	2 CO
819	58.2787	-134.6561		EF	3 CO
820	58.2789	-134.6557		EF	2 CO
821	58.2791	-134.6554		EF	1 CO
822	58.2791	-134.6553	Just above a 1' fall.	EF	2 CO, 1 CT
823	58.2791	-134.6549		EF	1 CO, 1 CT
824	58.2791	-134.6546	Water has become pools that barely have any connection to one another.	EF	2 CO, 2 CT
825	58.2791	-134.6544		EF	1 CO
826	58.2790	-134.6539		EF	2 CO
827	58.2790	-134.6537		EF	2 CO, 1 CT
828	58.2790	-134.6535		EF	2 CO, 1 CT
829	58.2789	-134.6532		EF	2 CO
830	58.2789	-134.6529	One of coho captured was smolty.	EF	2 CO
831	58.2789	-134.6524	Quickly changed from a nice gravel bottom to a muddy/rusty bottom. There is low water flow that ends in a skunk cabbage patch.	EF	No Fish

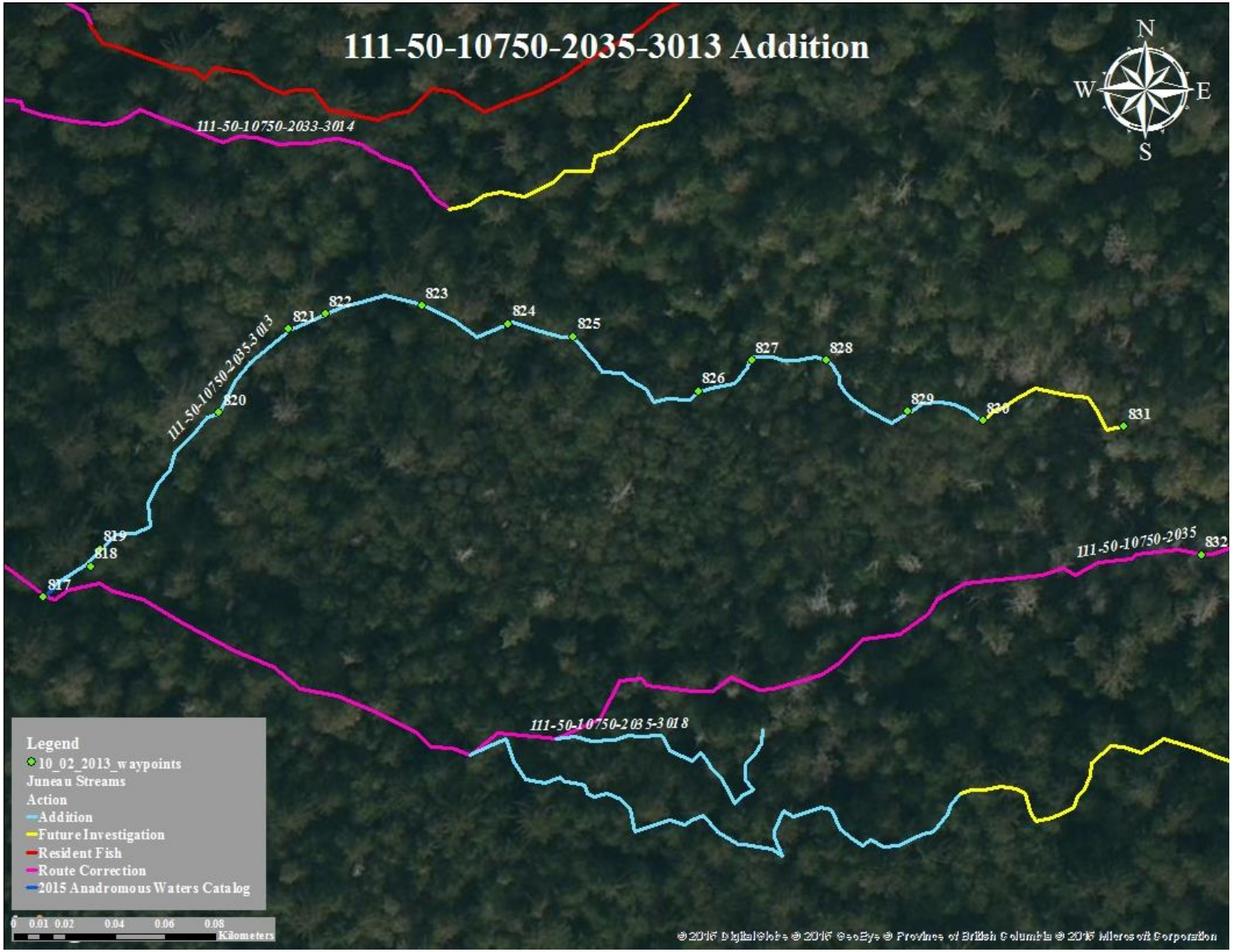

Figure 1.–111-50-10750-2035-3013 addition map.

Juneau

111-50-10750-2035-3016 ADDITION

Water body name: **Survey date:** 10/3/2013
Water body number: 111-50-10750-2035-3016 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2035-3016 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon. The tributary becomes pools with organic bottom. We ended the survey because tributary ends in intermittent pooling groundwater.
Recommendations: Add stream to AWC (Figure 1).
Nomination: 14-540

Table 1.–111-50-10750-2035-3016 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
866	58.2783	-134.6548	Small irony seep.	EF	No Fish
867	58.2783	-134.6546	In a murky stream.	EF	1 CO, 1 DV
868	58.2783	-134.6546		EF	3 CO
869	58.2782	-134.6543		EF	2 CO
870	58.2781	-134.6542		EF	1 CO
871	58.2782	-134.6539		EF	2 CO
872	58.2781	-134.6538		EF	2 CO
873	58.2781	-134.6536	Murky seep on river left. Electrofishing seep.	EF	No Fish
874	58.2781	-134.6537	The water in stream is diminishing.	EF	3 CO
875	58.2781	-134.6531	Getting murkier and becoming more pools than a stream.	EF	2 CO
876	58.2782	-134.6530		EF	2 CO
877	58.2782	-134.6530	Tributary forks with each fork providing same amount of water. Lots of organic material in water.	EF	No Fish
879	58.2782	-134.6516	Tributary ends in intermittent pooling groundwater.	EF	No Fish

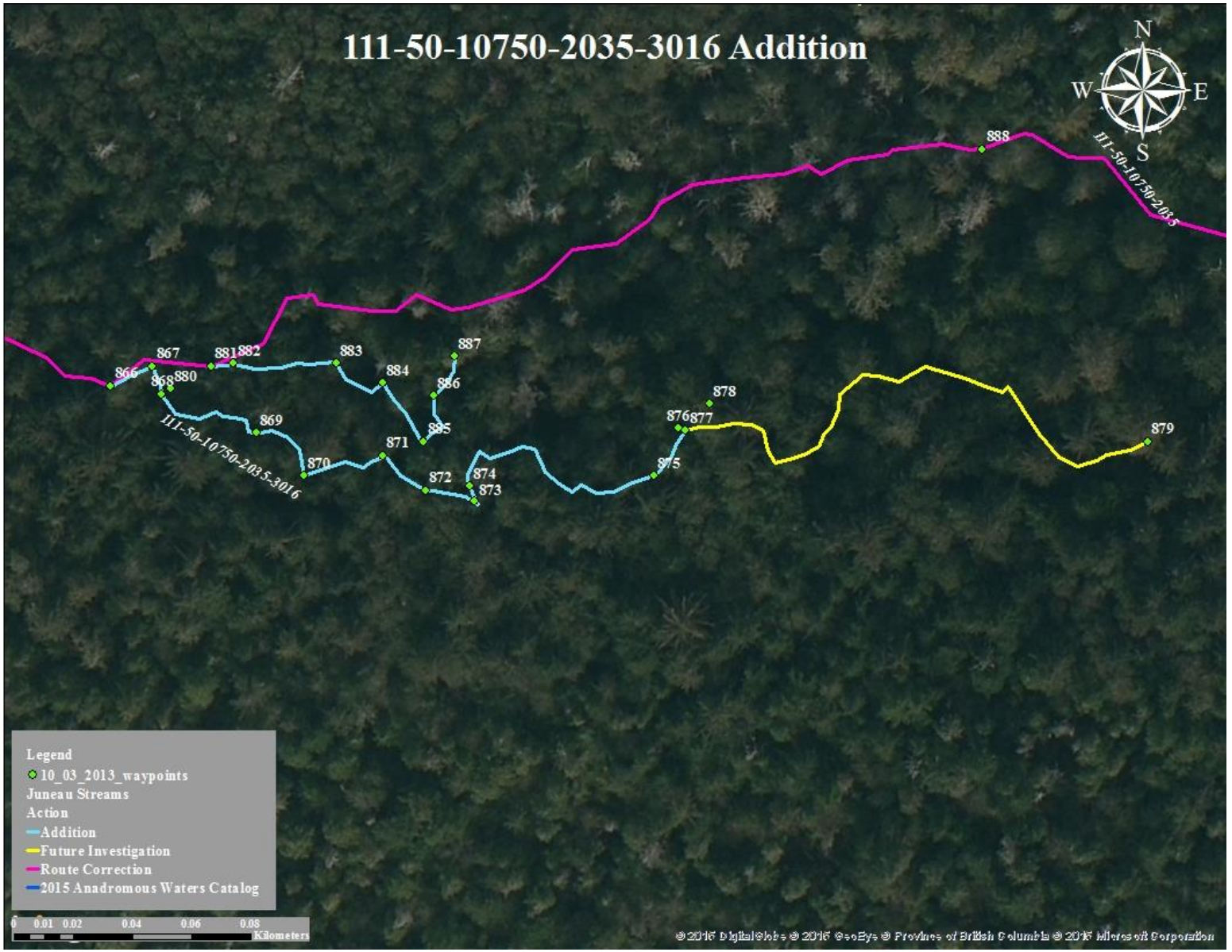

Figure 1.–111-50-10750-2035-3016 addition map.

111-50-10750-2035-3018 ADDITION

Water body name: **Survey date:** 10/3/2013
Water body number: 111-50-10750-2035-3018 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2035-3018 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon and cutthroat trout. The stream has a defined channel becoming disconnected pools. We ended the survey because there were no more pools.
Recommendations: Add stream to AWC (Figure 1).
Nomination: 14-541

Table 1.–111-50-10750-2035-3018 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
881	58.2783	-134.6544	Tributary on river left. It is disconnected pools that fish could be trapped in.		
882	58.2783	-134.6544	Disconnected pool.	EF	1 CO, 1 CT
883	58.2783	-134.6541		EF	1 CO, 1 CT
884	58.2783	-134.6539	Another disconnected pool under a rootwad.	EF	1 CO, 1 CT
885	58.2782	-134.6538		EF	2 CO
886	58.2783	-134.6538		EF	2 CO
887	58.2783	-134.6537	Top of disconnected pools. Ends adjacent to mainstem.	EF	2 CO

Figure 1.–111-50-10750-2035-3018 addition map.

Juneau

111-50-10750-2035-3024 ADDITION

Water body name: **Survey date:** 10/2/2013
Water body number: 111-50-10750-2035-3024 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2035-3024 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon and cutthroat trout. We ended the survey because water was seeping out of the ground.
Recommendations: Add stream to AWC (Figure 1).
Nomination: 14-542

Table 1.–111-50-10750-2035-3024 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
834	58.2779	-134.6492	Tributary entering on river left.		
835	58.2779	-134.6489		EF	2 CO, 2 CT
836	58.2779	-134.6483		EF	1 CO, 1 DV, 2 CT
837	58.2779	-134.6479		EF	2 CO
838	58.2780	-134.6467		EF	1 CT
839	58.2780	-134.6453	The water is seeping up out of the ground.	EF	No Fish

Figure 1.–111-50-10750-2035-3024 addition map.

111-50-10750-2035-3030 CORRECTION

Water body name: **Survey date:** 10/2/2013
Water body number: 111-50-10750-2035-3030 **Species & Lifestage:** COr, DVr, CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream 111-50-10750-2035-3030 using a backpack electrofisher and a GPS (Table 1). We captured coho salmon, cutthroat trout, and Dolly Varden char. We ended the survey because water was seeping out of the ground (Figure 1).
Recommendations: Correct the current course in AWC (Figure 2).
Nomination: 14-543

Table 1.–111-50-10750-2035-3030 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
842	58.2787	-134.6476	Tributary entering on river left.		
843	58.2787	-134.6475		EF	1 DV
844	58.2788	-134.6473		EF	2 DV, 2 CT
845	58.2788	-134.6471		EF	2 CO, 3 CT
846	58.2787	-134.6464		EF	1 CO, 1 DV, 3 CT
847	58.2787	-134.6462		EF	1 CO, 1 CT
848	58.2787	-134.6460		EF	2 CO
849	58.2786	-134.6456		EF	1 DV, 3 CT
850	58.2786	-134.6452		EF	1 CT
851	58.2786	-134.6450		EF	1 DV
852	58.2786	-134.6448	Top of tributary. Water is seeping out of the ground.		

Figure 1.–Headwater where water is seeping out of the ground.

Figure 2.–111-50-10750-2035-3030 correction map.

111-50-10750-2035-3035 CORRECTION

Water body name: **Survey date:** 10/3/2013
Water body number: 111-50-10750-2035-3035 **Species & Lifestage:** COr, DVr, CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream 111-50-10750-2035-3035 using a backpack electrofisher and a GPS (Table 1, Figure 1). We captured coho salmon, Dolly Varden char, and cutthroat trout. We ended the survey because the stream became dry.
Recommendations: Correct the current course in AWC (Figure 2).
Nomination: 14-544

Table 1.–111-50-10750-2035-3035 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
854	58.2791	-134.6471	Tributary entering on river left.		
889	58.2791	-134.6470	Heading up a tributary on river right.	EF	1 CO
890	58.2793	-134.6468		EF	1 CO, 1 DV
891	58.2793	-134.6466		EF	1 CO, 1 CT
892	58.2794	-134.6466		EF	1 CO, 1 CT
893	58.2795	-134.6466		EF	1 CO
894	58.2796	-134.6466		EF	2 CO
895	58.2797	-134.6465		EF	2 CO
896	58.2799	-134.6464		EF	2 CO
897	58.2800	-134.6464		EF	2 CO
898	58.2801	-134.6465		EF	4 CO
899	58.2802	-134.6464		EF	2 CO
900	58.2805	-134.6464	Streambed dry as a bone. The substrate is cobbles and gravel.		

Figure 1.–Rearing coho salmon.

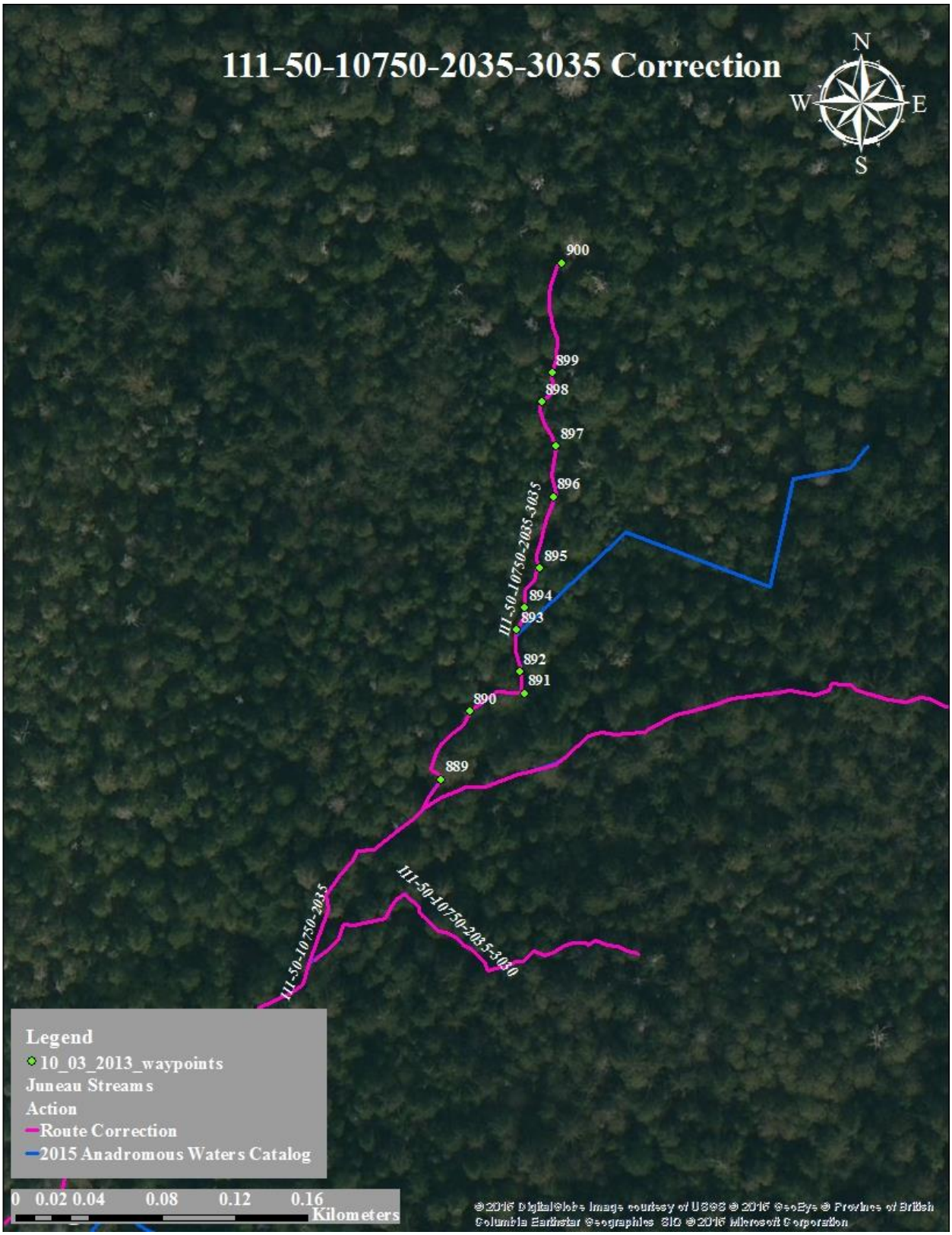

Figure 2.–111-50-10750-2035-3035 correction map.

111-50-10750-2037 CORRECTION

Water body name: **Survey date:** 10/1/2013
Water body number: 111-50-10750-2037 **Species & Lifestage:** COr, DVr, CTr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream 111-50-10750-2037 using a backpack electrofisher and a GPS. We caught coho salmon, Dolly Varden char, and cutthroat trout (Table 1, Figure 1). We observed several pink salmon carcasses in the lower reach of stream (Figure 2). The stream has several places that it goes subterranean which could be a barrier to adult fish. We ended the survey because water was seeping out of ground.
Recommendations: Correct the current course in AWC (Figure 3).
Nomination: 14-545

Table 1.–111-50-10750-2037 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
798	58.2762	-134.6551	Tributary entering river right.		
799	58.2762	-134.6549	Pink salmon carcasses.		
800	58.2762	-134.6532	One pink salmon carcass, that is the upper most found.		
801	58.2763	-134.6529	Possible adult barrier.	EF	2 CO, 1 CT
802	58.2765	-134.6525		EF	3 DV
803	58.2766	-134.6519	Captured Dolly Varden char in spawning colors.	EF	2 CO, 1 DV, 1 CT
804	58.2768	-134.6514		EF	1 CO, 3 DV
805	58.2768	-134.6511	Stream goes subterranean.		
806	58.2769	-134.6501	The stream goes subterranean again.	EF	2 DV
807	58.2770	-134.6494	The stream keeps going in and out of subterranean.	EF	1 CT
808	58.2771	-134.6485	Top of tributary. The water is seeping out of the ground right now. But there is evidence that with more rain tributary may be longer.		

Figure 1.–Captured rearing coho salmon.

Figure 2.–Pink salmon carcass.

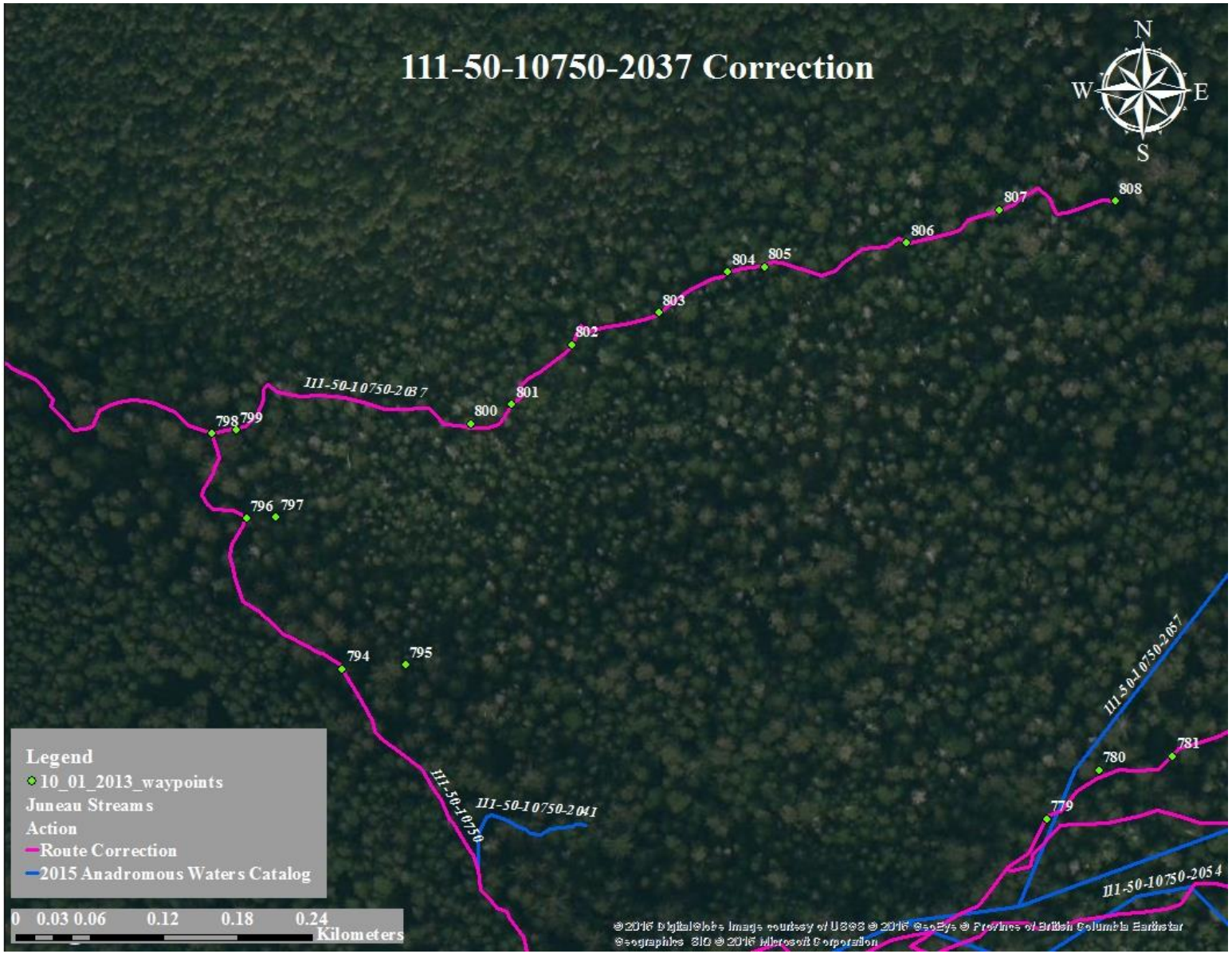

Figure 3.–111-50-10750-2037 correction map.

Juneau

111-50-10750-2042-3020 ADDITION

Water body name: **Survey date:** 9/11/2013
Water body number: 111-50-10750-2042-3020 **Species & Lifestage:** COr, Ps
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2042-3020 using a backpack electrofisher and a GPS (Table 1). We had visual observations on spawning pink salmon in the lower section of the creek and caught coho salmon in the upper section (Figure 1). We ended this survey at a 15-20% narrow bedrock cascade gradient barrier (Figure 2).
Recommendations: Add stream to the AWC (Figure 3).
Nomination: 13-610

Table 1.–111-50-10750-2042-3020 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
721	58.2708	-134.6487	Tributary entering on river right, providing half of flow.		
726	58.2706	-134.6486	Spawning pink salmon.	VL	P
727	58.2697	-134.6479	1 CO about 70mm.	EF	1 CO
728	58.2696	-134.6478	1 big smolty CO in tannic pool about 75mm.	EF	1 CO
729	58.2695	-134.6478	1 CO about 60mm and 1 CT about 75mm.	EF	1 CO, 1 CT
730	58.2693	-134.6478	Undercut bank. 1 CO about 75mm.	EF	1 CO
731	58.2691	-134.6478	2 smolty CO between 60-85mm in deep foaming pool.	EF	2 CO
732	58.2690	-134.6476	Tributary entering on river left.		
736	58.2689	-134.6476	At confluence.		
737	58.2689	-134.6473	Base of tiny rooty cascade in deep pool. 1 CO about 65mm.	EF	1 CO
738	58.2689	-134.6472	In rooty pool, 1 CO about 50mm.	EF	1 CO
739	58.2689	-134.6469	Base of narrow cascade.	EF	1 CO
740	58.2688	-134.6467	Pool on cascade. This is a 15-20% gradient barrier, rooty bedrock. 1 DV about 45mm.	EF	1 DV
741	58.2688	-134.6467	Cascade falls. 1 CT about 65mm.	EF	1 CT
742	58.2689	-134.6466	Above cascade falls.	EF	No Fish

Figure 1.–Coho salmon caught in 111-50-10750-2042-3020.

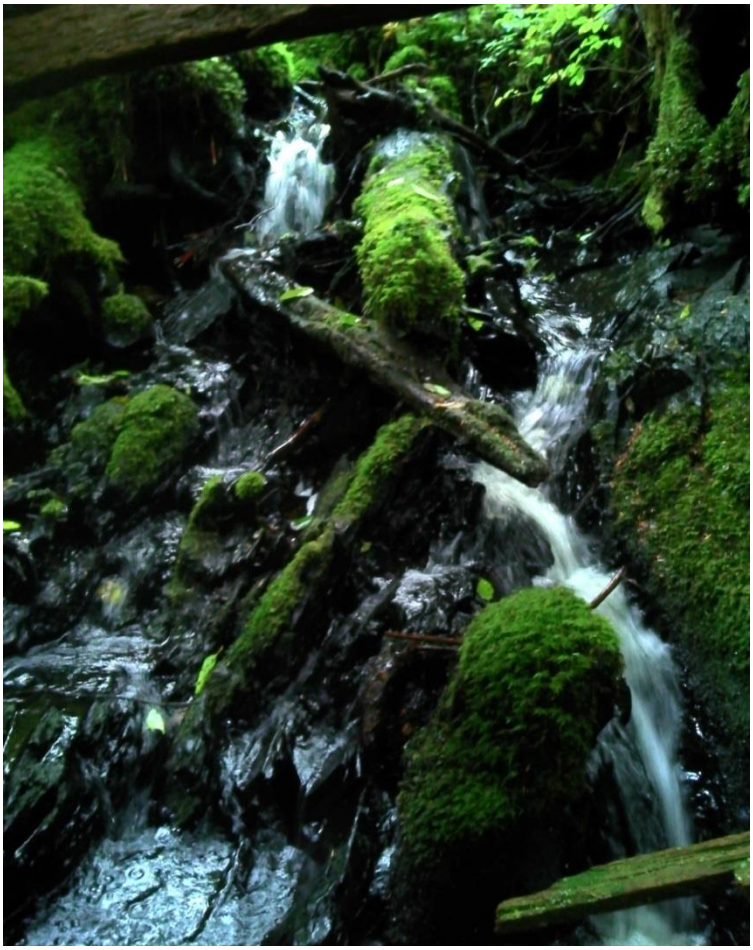

Figure 2.–Cascade barrier on 111-50-10750-2042-3020.

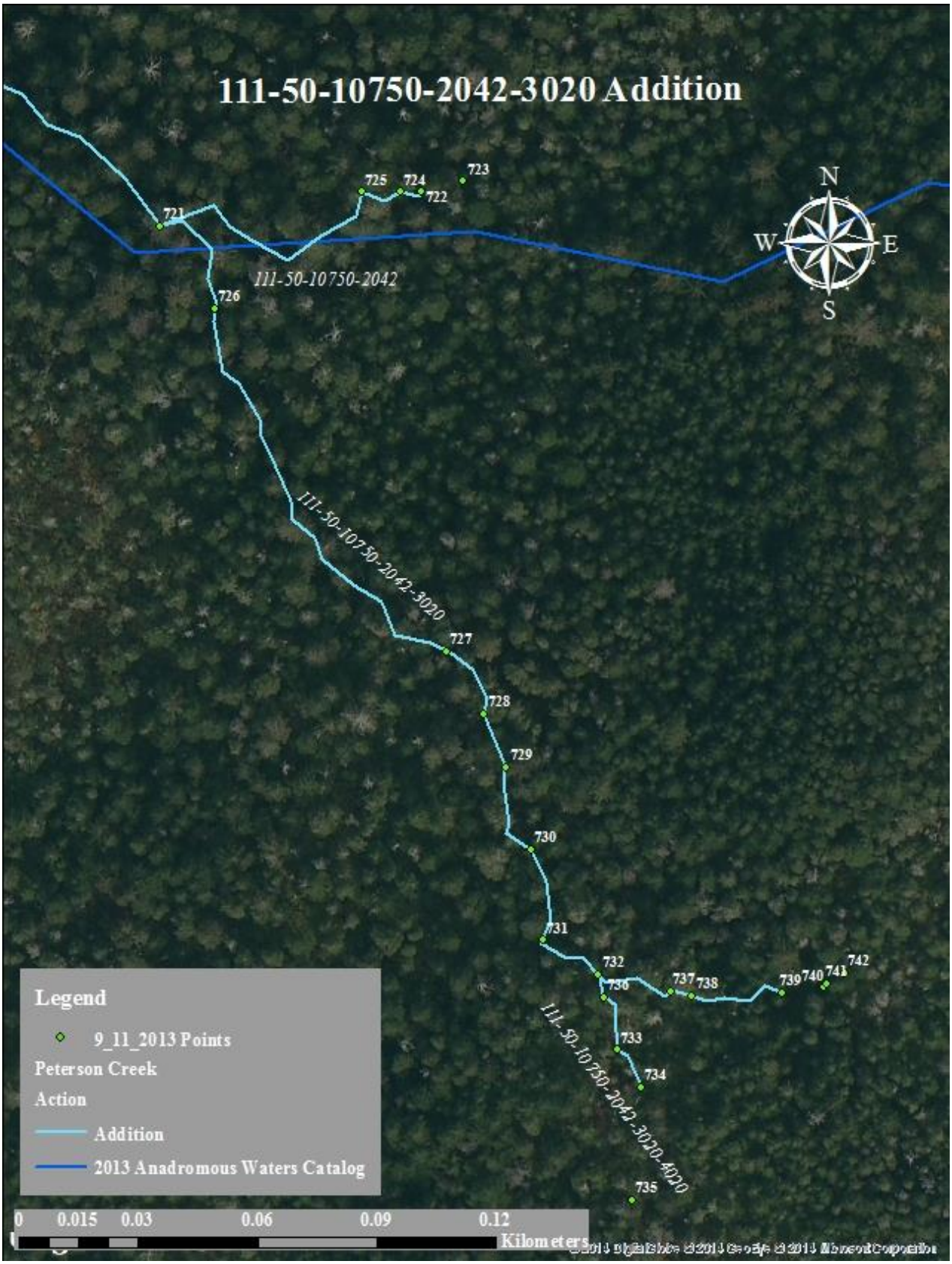

Figure 3.–111-50-10750-2042-3020 addition map.

111-50-10750-2042-3020-4020 ADDITION

Water body name: **Survey date:** 9/11/2013
Water body number: 111-50-10750-2042-3020-4020 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C041S066E **Quad:** Juneau B-2
Findings: We surveyed stream number 111-50-10750-2042-3020-4020 using a backpack electrofisher and a GPS (Table 1). We caught coho salmon. This tributary ends in a mossy seep.
Recommendations: Add stream to the AWC (Figure 1).
Nomination: 13-611

Table 1.–111-50-10750-2042-3020-4020 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
732	58.2690	-134.6476	Tributary entering on river right.		
733	58.2688	-134.6476	1 smolty CO about 70mm in a skunk cabbage pool.	EF	1 CO
734	58.2687	-134.6475	1 CO about 75mm in a swampy network of skunk cabbage.	EF	1 CO
735	58.2685	-134.6477	End of water, mossy seep with intermittent pools.	EF	No Fish
736	58.2689	-134.6476	Confluence.		

Figure 1.–111-50-10750-2042-3020-4020 addition map.

Juneau

112-65-10230 CORRECTION

Water body name: Zinc Creek **Survey date:** 6/20/2012
Water body number: 112-65-10230 **Species & Lifestage:** COp, Pp, CHp, DVp
Watershed: Fishery Creek-Frontal Chatham Strait
MTR: C041S067E **Quad:** Juneau A-3
Findings: A barrier to anadromous fish is located approximately .5 miles downstream of current upper extent (Table 1, Figure 1).
Recommendations: Correct the current route in the AWC (Figure 2).
Nomination: 12-583

Table 1.–112-65-10230 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
19	58.0909	-134.7360	Waterfall that is a barrier to fish passage.		

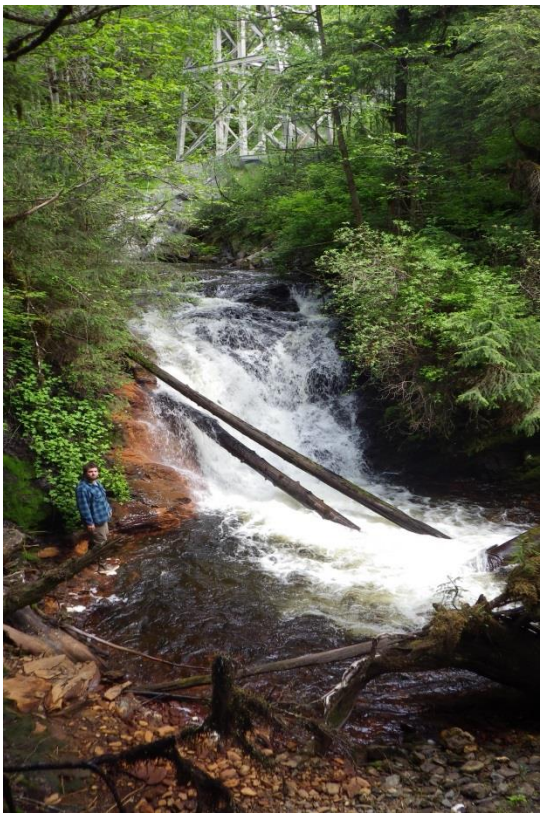

Figure 1.–Ben Brewster standing at the base of barrier falls.

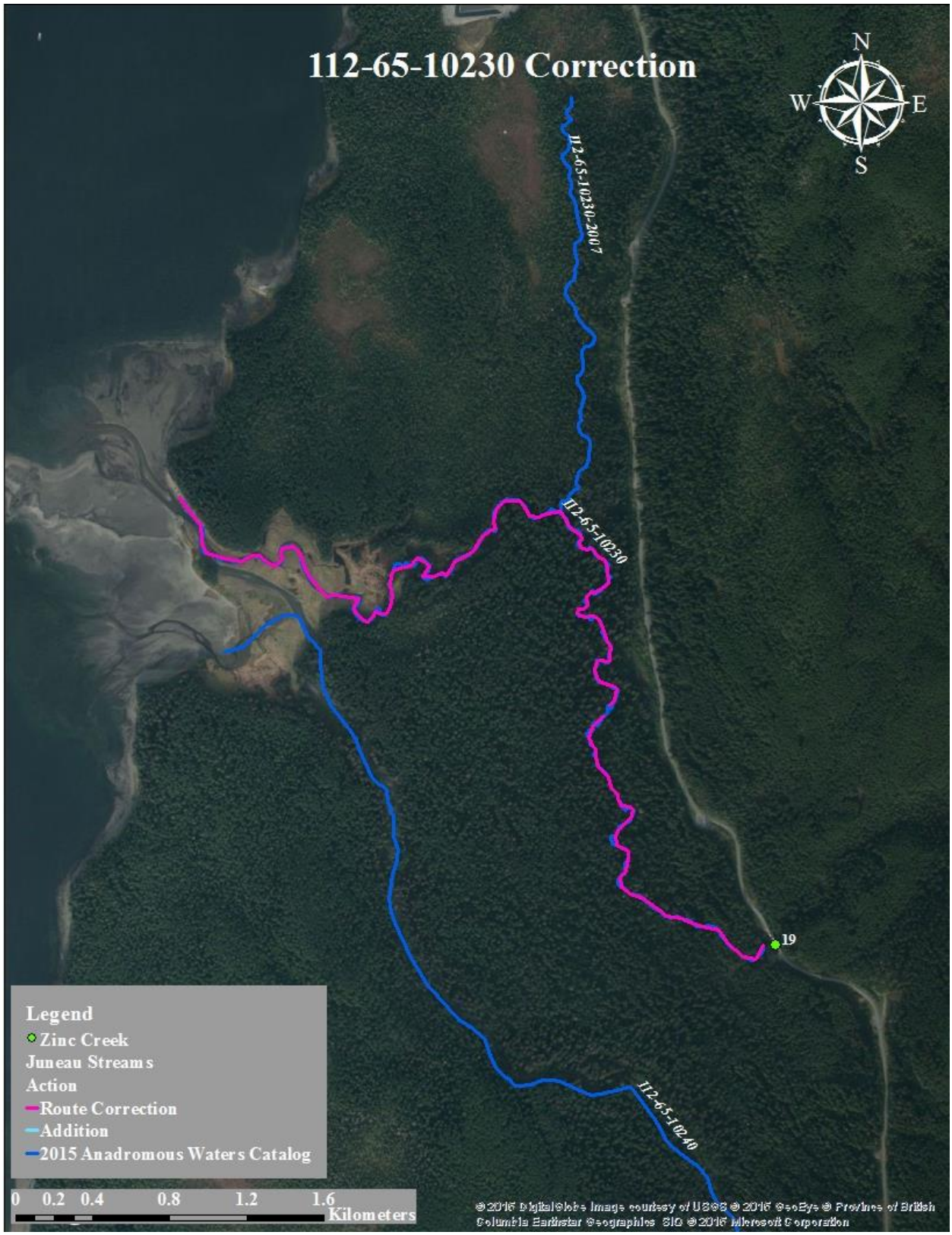

Figure 2.–112-65-10230 correction map.

112-65-10230-2007 CORRECTION

Water body name: Tributary Creek **Survey date:** 6/16/2010
Water body number: 112-65-10230-2007 **Species & Lifestage:** COp, Pp, DVp
Watershed: Fishery Creek-Frontal Chatham Strait
MTR: C043S065E **Quad:** Juneau A-3
Findings: We surveyed Tributary Creek using minnow traps and a GPS (Table 1). The upper extent of anadromy is incorrect and stream route.
Recommendations: Reduce the extent of anadromy and correct stream route (Figure 1).
Nomination: 14-580

Table 1.–112-65-10230-2007 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
20	58.1114	-134.7459	Traps soaked for two hours. Captured 2 coho ~ 50mm and 2 DV ~65mm.	MT	2 CO, 2 DV

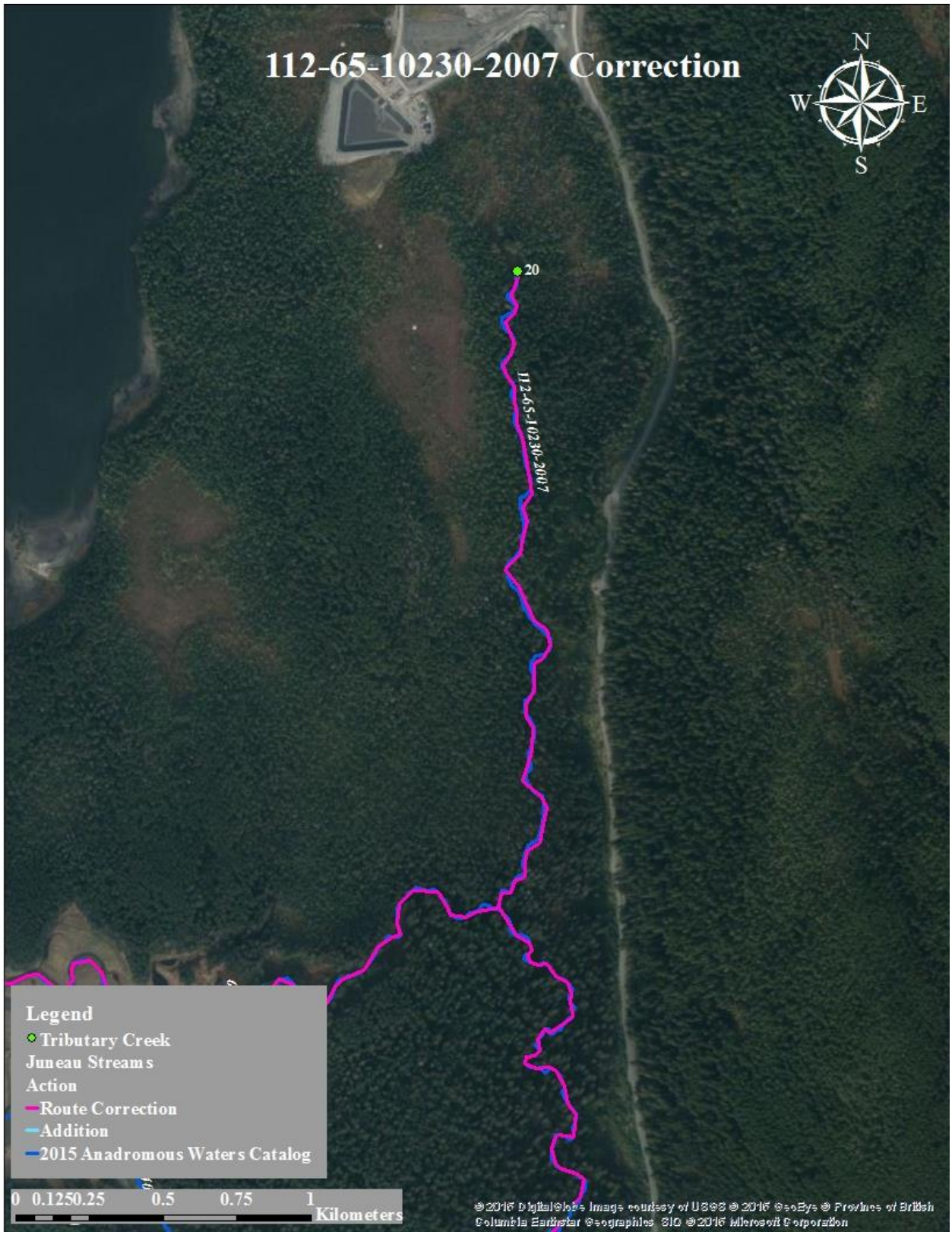

Figure 1.–112-65-10230-2007 correction map.

115-10-10230-2004 ADDITION

Water body name: **Survey date:** 9/21/2010
Water body number: 115-10-10230-2004 **Species & Lifestage:** COr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C037S063E **Quad:** Juneau C-3
Findings: We surveyed this stream using minnow traps and a GPS (Table 1). We captured rearing coho salmon, Dolly Varden char, and cutthroat trout (Figures 1, 2). The stream closely parallels the road and is vegetated with alder, skunk cabbage, and devil's club. Substrate consisted of organics, fines, and gravels. There were roots and root wads throughout.
Recommendations: Add stream to the AWC (Figure 3).
Nomination: 10-802

Table 1.–115-10-10230-2004 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
9	58.6214	-134.9387	Mouth of creek.	MT	
10	58.6190	-134.9357	Mouth of tributary entering on river left.	MT	
11	58.6190	-134.9356	Trap in tannic pool.	MT	12 CO, 1 CT
12	58.6188	-134.9355	Trap beside mossy log in tannic pool.	MT	9 CO, 1 DV
13	58.6185	-134.9351	Trap in tannic pool under overhanging bank.	MT	4 CO, 1 DV, 1 CT
14	58.6183	-134.9346	Trap in deep tannic pool with large woody debris in bend in stream.	MT	3 CO, 1 DV
15	58.6178	-134.9340	Trap at 90 degree corner right next to road.	MT	4 CO

Figure 1.–Coho salmon captured at WPT 15.

Figure 2.–Cutthroat trout captured in stream.

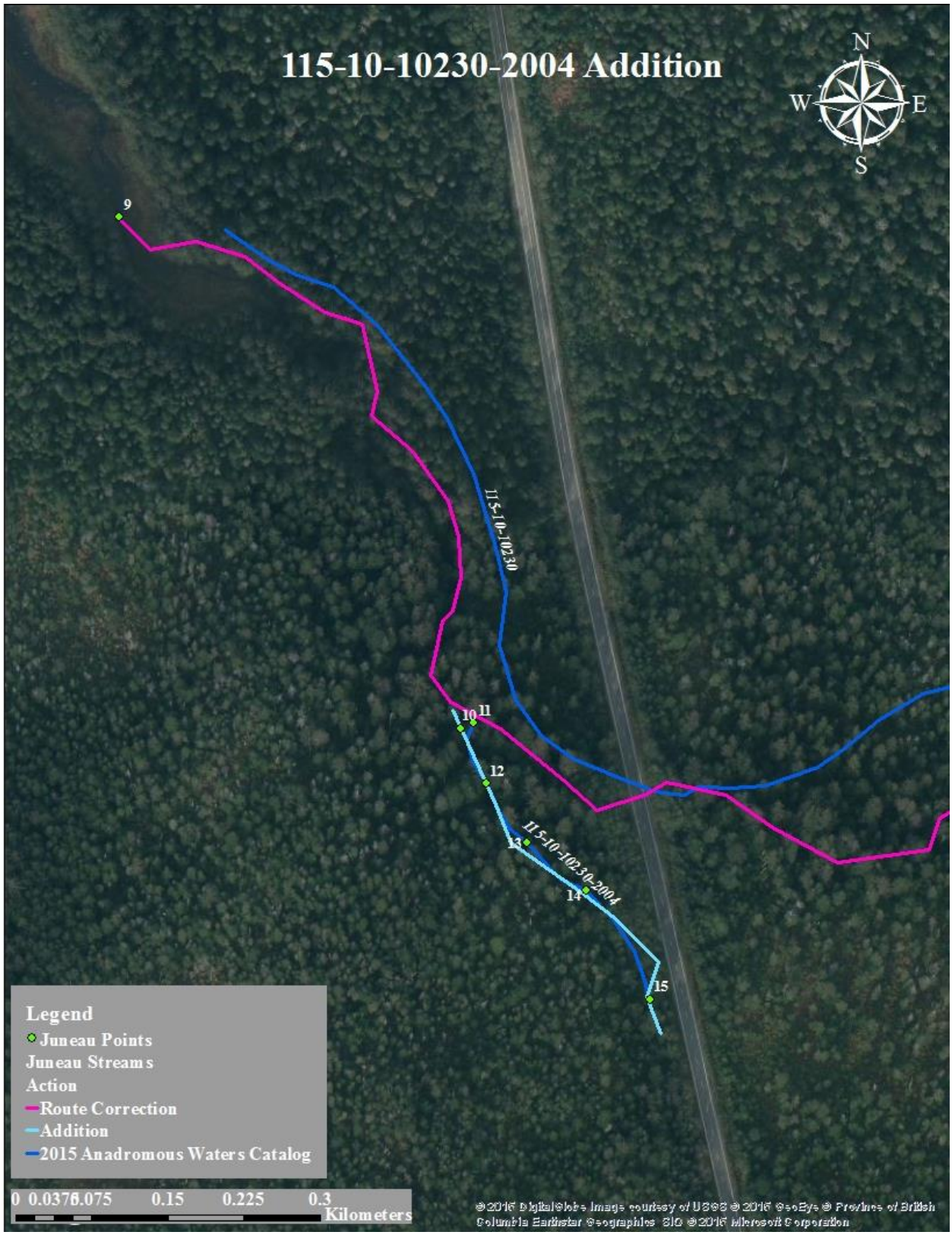

Figure 3.–115-10-10230-2004 addition map.

115-10-10250 CORRECTION

Water body name: Bessie Creek **Survey date:** 7/14/2010
Water body number: 115-10-10250 **Species & Lifestage:** CHp, COr, Ps
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C038S064E **Quad:** Juneau C-3
Findings: We conducted a route correction survey using a GPS (Table 1). We found the stream route is inconsistent with the route mapped in the AWC. There is a large culvert on Bessie Creek that suggest that there is a lot of bedload movement or high flows (Figure 1). A fish barrier falls was found to be about 10' with a 2' pool at base (Figures 2, 3).
Recommendations: Correct the current route in the AWC (Figure 4).
Nomination: 10-816

Table 1.–115-10-10250 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.5903	-134.9020	Above the tide line.	RS	
2	58.5924	-134.9030		RS	
3	58.5928	-134.9020	16-20' waterfall barrier.	RS	
4	58.5934	-134.9000	Upper waterfall barrier.	RS	

Figure 1.–Field staff at culvert on Bessie Creek.

Figure 2.–Barrier falls on Bessie Creek.

Figure 3.–Field staff measuring Bessie Creek.

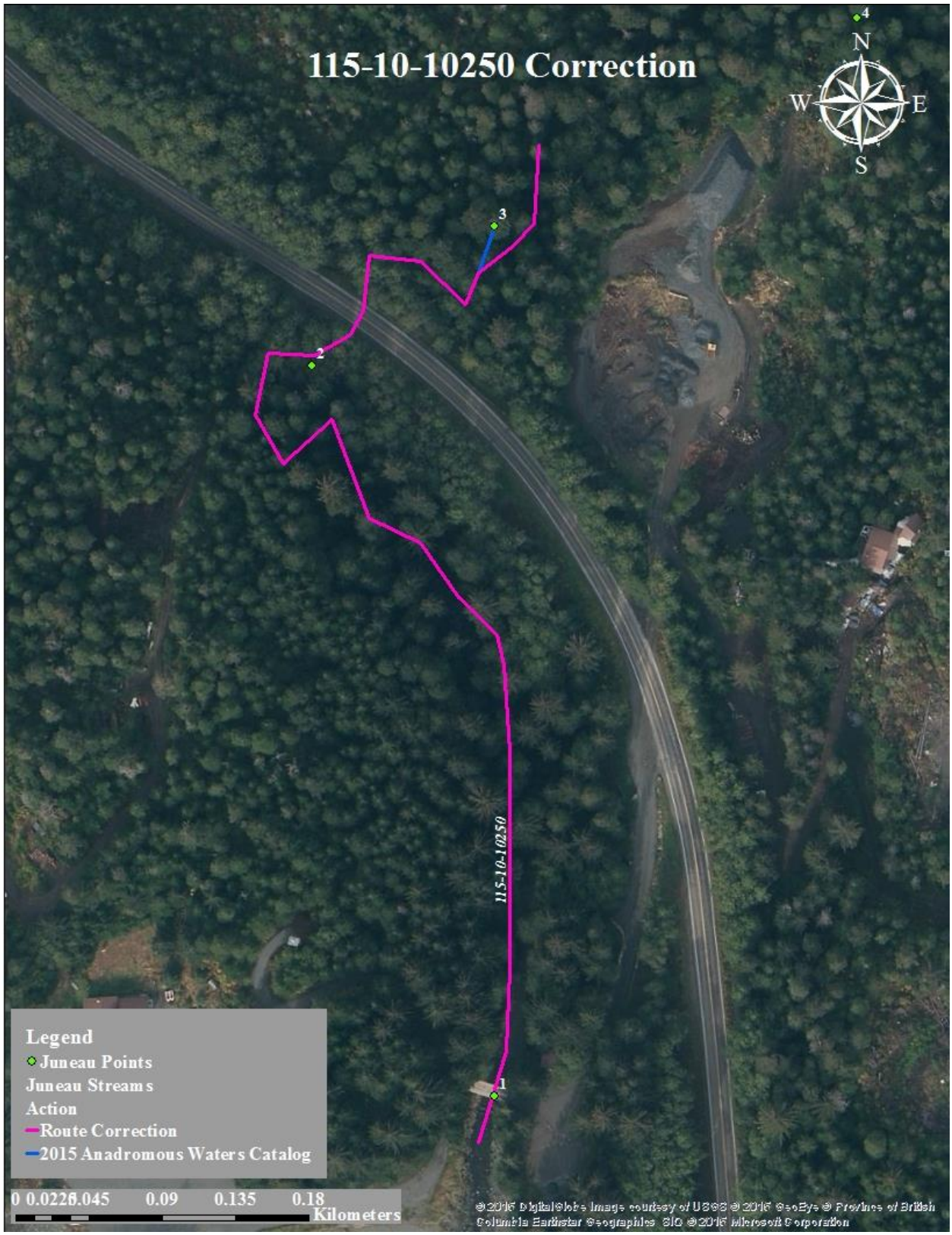

Figure 4.–115-10-10250 correction map.

115-20-10030 CORRECTION

Water body name: Slate Creek **Survey date:** 9/30/2010
Water body number: 115-20-10030 **Species & Lifestage:** CHsr, COr, Psr, OUp
Watershed: Berners Bay-Frontal Lynn Canal
MTR: C035S062E **Quad:** Juneau D-4
Findings: We conducted a route correction of Slate Creek using a GPS (Table 1). We found that the upper extent of anadromy is incorrect.
Recommendations: Reduce the upper extent of anadromy (Figure 1).
Nomination: 10-860

Table 1.–115-20-10030 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.7964	-135.0389	Barrier falls		

Figure 1.–115-20-10030 correction map.

115-20-10030 CORRECTION

Water body name: Slate Creek **Survey date:** 9/30/2010
Water body number: 115-20-10030 **Species & Lifestage:** CHsr, COr, Psr, OUp
Watershed: Berners Bay-Frontal Lynn Canal
MTR: C035S062E **Quad:** Juneau D-4
Findings: In April 2006-2009 346 eulachon were captured in a fyke net (Table 1).
Recommendations: Add eulachon present to Slate Creek (Figure 1).
Nomination: 09-1432

Table 1.–115-20-10030 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
2	58.7910	-135.0340	Captured 346 eulachon with a Fyke net.	FN	346 OU

Figure 1.–115-20-10030 correction map.

115-20-10070 ADDITION

Water body name: Johnson Creek **Survey date:** 9/30/2010
Water body number: 115-20-10070 **Species & Lifestage:** CHsr, COsr, Psr
Watershed: Lace River
MTR: C035S062E **Quad:** Juneau D-4
Findings: From 2005-2008 adult pink, chum, and coho salmon were observed spawning in Johnson Creek. Pink, chum, and coho salmon fry were also captured in fyke traps in the spring of 2005-2008 (Table 1)
Recommendations: Add coho salmon spawning and rearing. Add pink and chum salmon spawning.
Nomination: 09-1431

Table 1.–115-20-10070 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.8240	-135.0090	Chum, pink, and coho spawning.		

Figure 1.–115-20-10070 correction map.

115-20-10620-2002 ADDITION

Water body name: **Survey date:** 10/11/2012
Water body number: 115-20-10620-2002 **Species & Lifestage:** COr
Watershed: Berners Bay–Frontal Lynn Canal
MTR: C037S063E **Quad:** Juneau C-3
Findings: We surveyed this stream using minnow traps, handnet and GPS (Table 1). This large network of beaver ponds and channels supports rearing juvenile coho salmon, cutthroat trout, threespine stickleback, and Dolly Varden char (Figures 1, 2, 3). The numerous beaver dams do not appear to function as barriers to fish passage as we found coho salmon fry above many dams.
Recommendations: Add this stream course to the AWC (Figure 4).
Nomination: 12-618

Table 1.–115-20-10620-2002 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
80	58.6618	-134.9445	Handnetted 6 CO between 60-90mm in a isolated pool, in dry river bed.	HN	6 CO
81	58.6613	-134.9438	Intermediate dam that blocks water from dry channel with CO.		
19	58.6605	-134.9433	Beginning of standing water.		
21	58.6605	-134.9421	Stream originates from under dam.		
27	58.6604	-134.9420	Captured 5 CT between 200-320mm, 20 CO between 90-120mm and 3 DV between 70-200mm.	MT	5 CT, 20 CO, 3 DV
61	58.6605	-134.9420	Setting minnow trap along edge of large beaver pond below the lodge.	MT	No Fish
26	58.6600	-134.9419	Unrelated: Launch site for traps.		
79	58.6605	-134.9437	Heading up small tributary leading into beaver complex.		
28	58.6594	-134.9405	Captured 8 CT between 150-350mm, 15 CO between 100-120mm and 9 DV between 120-200mm.	MT	8 CT, 15 CO, 9 DV
29	58.6579	-134.9409	Captured 14 CT between 60-350mm, 37 CO 90-120mm and 8 DV between 120-160mm.	MT	14 CT, 37 CO, 8 DV
82	58.6572	-134.9411	Edge of beaver pond habitat.		

Table 1.–Continued.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
57	58.6560	-134.9417	Captured 1 CT about 295mm, 3 DV between 110-190mm and 3 CO between 110-118mm.	MT	3 DV, 1 CT, 3 CO
69	58.6550	-134.9386	Tributary forks, walking down river right branch.		
72	58.6544	-134.9394	Meets up with other tributary.		
68	58.6540	-134.9395	Beaver dam about 3ft tall.		
63	58.6534	-134.9394	Bridge across flooded tributary. First crossing heading down.		
55	58.6533	-134.9395	Set minnow traps in tributary to a beaver pond complex. Captured 10 DV between 70-100mm, 21 CT between 65-135mm, 16 CO between 60-120mm.	MT	10 DV, 21 CT, 16 CO
64	58.6530	-134.9393	Captured 1 CT about 65mm.	EF	1 CT
65	58.6529	-134.9392	Captured 2 CT between 60-80mm.	EF	2 CT
66	58.6529	-134.9391	Captured 1 CT about 75mm and 1 DV about 150mm.	EF	2 CT, 1 DV
67	58.6528	-134.9391	Captured 1 CT about 60mm. Heading back to bridge. No barriers, but CO not captured.	EF	1 CT

Figure 1.–Beaver pond area connected to stream number 115-20-10620-2002.

Figure 2.–Cutthroat trout captured in the beaver dam using a hoop trap.

Figure 3.–Stream number 115-20-10620-2002.

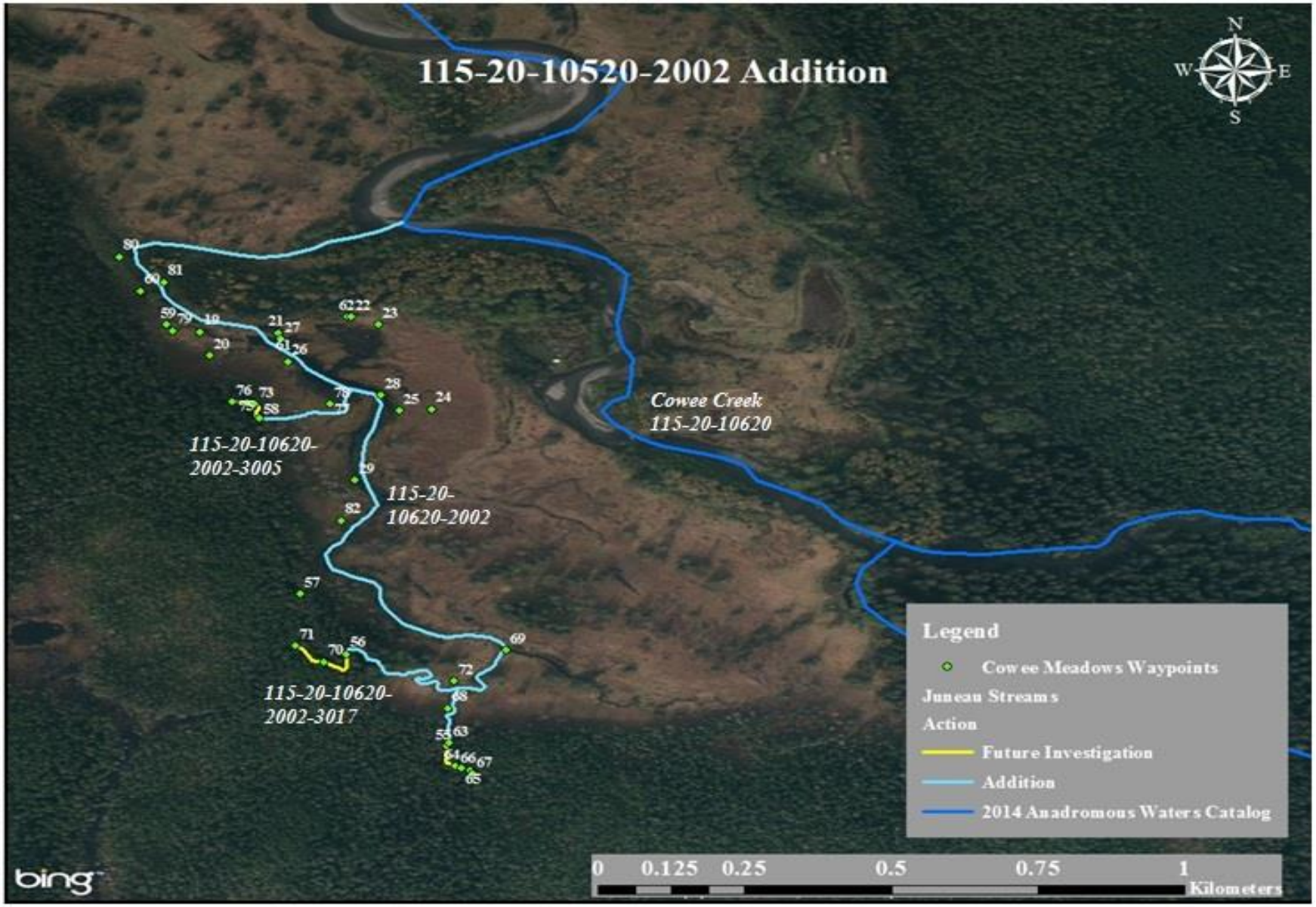

Figure 4.–115-20-10620-2002 addition map.

115-20-10620-2002-3005 ADDITION

Water body name: **Survey date:** 10/11/2012
Water body number: 115-20-10620-2002-3005 **Species & Lifestage:** COr
Watershed: Berners Bay–Frontal Lynn Canal
MTR: C037S063E **Quad:** Juneau C-3
Findings: We surveyed this stream using a backpack electrofisher, minnow traps, and a GPS (Table 1). We captured rearing coho salmon and cutthroat trout (Figure 1). This small tributary that feeds into the beaver pond complex provides rearing habitat for juvenile coho salmon, cutthroat trout, and Dolly Varden char (Figures 2, 3).
Recommendations: We recommend adding this stream course to the AWC (Figures 4).
Nomination: 12-619

Table 1.–115-20-10620-2002-3005 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
78	58.6592	-134.9413	Pocket dail.		
77	58.6592	-134.9413	Connected tributary with main beaver pond.		
58	58.6590	-134.9424	Small stream crosses trail. Captured 14 CT between 60-85mm and 3 CO between 60-100mm.	MT	14 CT, 3 CO
73	58.6592	-134.9424	At small tributary leading into beaver ponds.		
74	58.6593	-134.9425	Captured 1 CO about 40mm, 2 CT between 60-80mm.	EF	1 CO, 2 CT
75	58.6593	-134.9427	Captured 2 CT between 75-85mm.	EF	2 CT
76	58.6593	-134.9428	Captured 1 CT about 35mm. Have not found a barrier.	EF	1 CT

Figure 1.–Juvenile coho salmon captured in minnow trap.

Figure 2.–Beaver pond area connected to stream number 115-20-10620-2002-3005.

Figure 3.–Nicole Legere sets traps in stream number 115-20-10620-2002-3005.

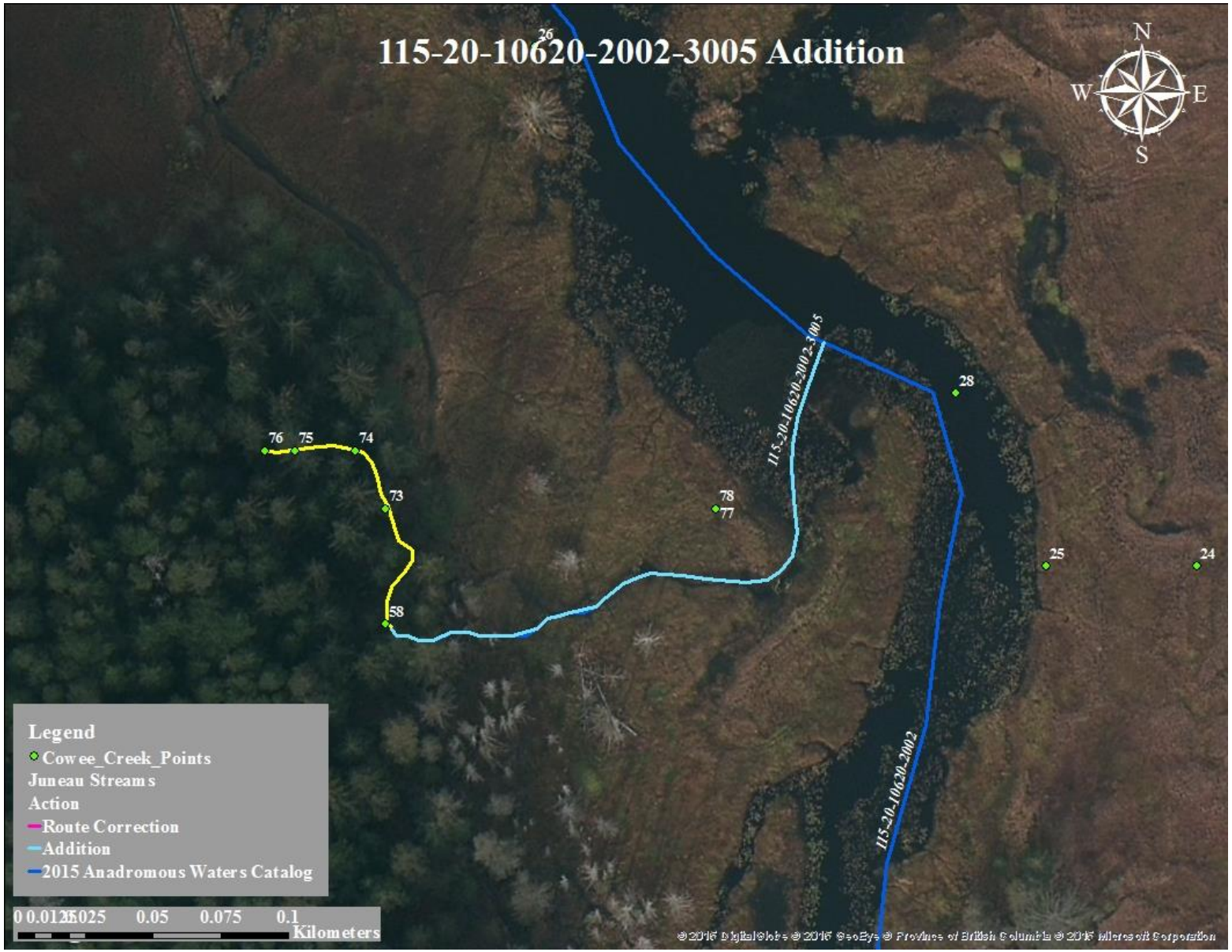

Figure 4.–115-20-10620-2002-3005 addition map.

115-20-10620-2002-3017 ADDITION

Water body name: **Survey date:** 10/11/2012
Water body number: 115-20-10620-2002-3017 **Species & Lifestage:** COr
Watershed: Berners Bay–Frontal Lynn Canal
MTR: C037S063E **Quad:** Juneau C-3
Findings: We surveyed this stream using a backpack electrofisher, minnow traps, and a GPS (Table 1). This small tributary that feeds into the beaver pond complex provides rearing habitat for juvenile coho salmon, cutthroat trout, and Dolly Varden char (Figures 1, 2). We captured rearing coho salmon, Dolly Varden char, and cutthroat trout (Figure 3).
Recommendations: Add this stream course to the AWC (Figure 4).
Nomination: 12-614

Table 1.–115-20-10620-2002-3017 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
72	58.6544	-134.9394	Meets up with other tributary.		
56	58.6549	-134.9410	Set minnow traps around bridge. Captured 12 CO between 65-130, 1 CT about 128 and 4 DV between 115-190mm.	MT	12 CO, 1 CT, 4 DV
70	58.6548	-134.9414	Captured 2 CT between 65-95mm.	EF	2 CT
71	58.6551	-134.9418	Captured 3 CT between 70-130. Heading downstream, no barriers but no CO.	EF	3 CT

Figure 1.–Beaver pond connected to the stream.

Figure 2.–Looking downstream from trail.

Figure 3.–Juvenile coho salmon trapped.

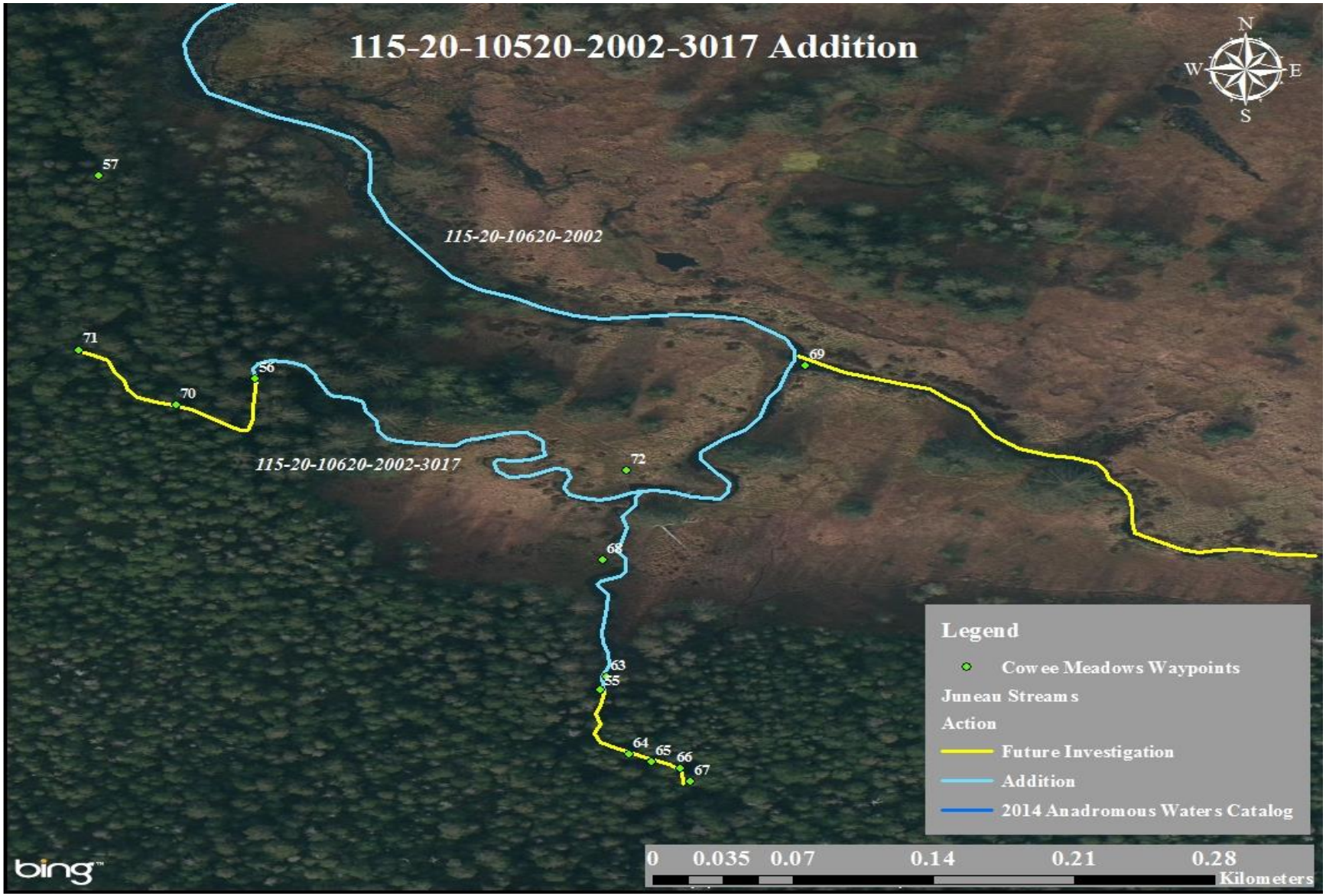

Figure 4.–115-20-10620-2002-3017 addition map.

115-31-10330 CORRECTION

Water body name: Sherman Creek **Survey date:** 9/30/2010
Water body number: 115-31-10330 **Species & Lifestage:** CHr, Ppr
Watershed: Admiralty Island-Frontal Lynn Canal
MTR: C035S006E **Quad:** Juneau D-4
Findings: We surveyed Sherman Creek looking for an anadromous fish barrier (Table 1). The upper extent of anadromy is incorrect.
Recommendations: Reduce the upper extent of anadromy (Figure 1).
Nomination: 10-859

Table 1.–115-31-10330 survey data.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Results
1	58.8668	-135.1369	Anadromous fish barrier.		

Figure 1.–115-31-10330 correction map.

115-31-10330 CORRECTION

Water body name: Sherman Creek **Survey date:** 3/8/2012
Water body number: 115-31-10330 **Species & Lifestage:** CHr, Ppr
Watershed: Admiralty Island Frontal-Lynn Canal
MTR: C035S062E **Quad:** Juneau D-4
Findings: Conducted several foot surveys on Sherman Creek looking for adult coho salmon (Figures 1, 2). We have yet to observe adult coho salmon using Sherman Creek.
Recommendations: Delete coho salmon from the species list in Sherman Creek.
Nomination: 12-506

Figure 1.–Looking upstream on Sherman Creek.

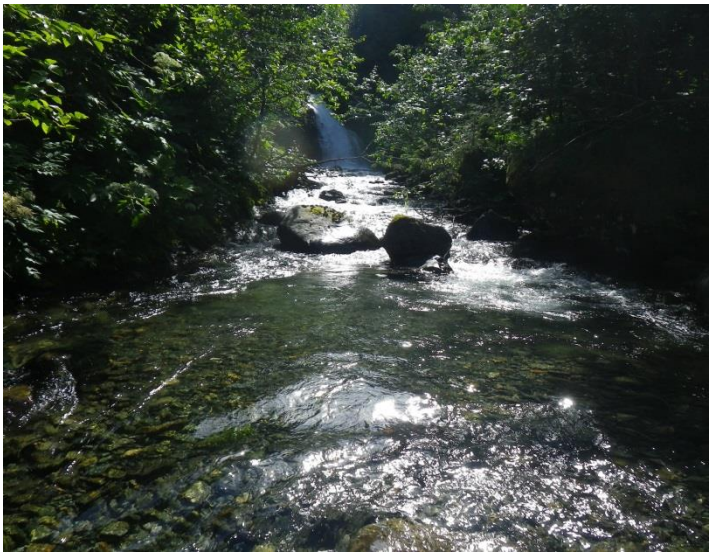

Figure 2.–Looking upstream at the waterfall.

Juneau

JUNEAU AIRPORT FLOAT POND — CORRECTION

Water body name: **Survey date:** 8/11/2013
Water body number: **Species & Lifestage:** SB
Watershed: Mendenhall River-Frontal Gastineau Channel
MTR: C040S066E **Quad:** Juneau B-2
Findings: We have sampled the airport float plane pond on several occasions and have only captured stickleback in the pond.
Recommendations: Do not include in the AWC at this time. Investigate in future if any changes happen that could impact pond (Figure 1).
Nomination: Accepted

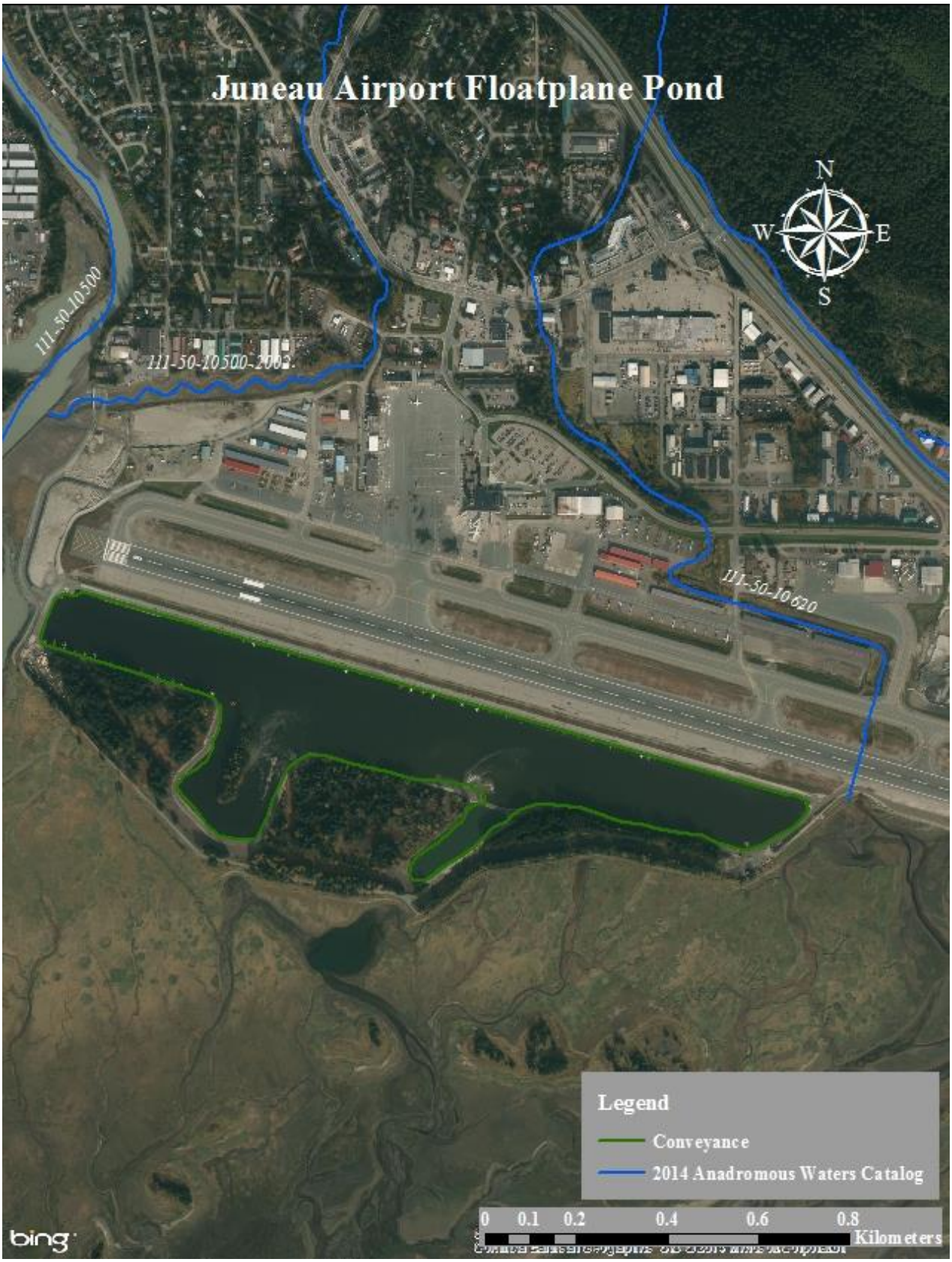

Figure 1.–Juneau airport floatplane pond conveyance map.

JUNEAU STREAMS REQUIRING FUTURE INVESTIGATION

Table 1.–Start points of Juneau streams requiring future investigation.

Waypoint	Latitude	Longitude
1	58.2737	-134.6360
2	58.2749	-134.6400
3	58.2752	-134.6430
4	58.2758	-134.6450
5	58.2749	-134.6510
6	58.2786	-134.6450
7	58.2779	-134.6480
8	58.2782	-134.6530
9	58.2789	-134.6530
10	58.2793	-134.6550
11	58.2803	-134.6520
12	58.2806	-134.6580
13	58.2842	-134.6610
14	58.2904	-134.6650
15	58.2920	-134.6640
16	58.2920	-134.6650
17	58.2920	-134.6650
18	58.2929	-134.6640
19	58.2931	-134.6640
20	58.3344	-134.5480
21	58.3295	-134.5280
22	58.3498	-134.4910
23	58.3513	-134.4910
24	58.3543	-134.4890
25	58.3641	-134.4921
26	58.3637	-134.4939
27	58.3635	-134.5059
28	58.3624	-134.5059
29	58.3622	-134.5078
30	58.3570	-134.5127
31	58.3629	-134.5181
32	58.3619	-134.5187
33	58.3619	-134.5190
34	58.3614	-134.5188
35	58.3598	-134.5229
36	58.3603	-134.5236
37	58.3605	-134.5246
38	58.3605	-134.5250
39	58.3600	-134.5286
40	58.3567	-134.5490
41	58.4053	-134.5610
42	58.4054	-134.5630
43	58.4047	-134.5700
44	58.4025	-134.5750
45	58.4275	-134.5860
46	58.4261	-134.5840
47	58.4239	-134.5870
48	58.3988	-134.6090
49	58.3986	-134.6100
50	58.4416	-134.6380
51	58.4415	-134.6380
52	58.4406	-134.6400
53	58.4448	-134.6400
54	58.4653	-134.6810
55	58.4629	-134.6780
56	58.4619	-134.6770
57	58.4612	-134.6770
58	58.4598	-134.6750
59	58.3751	-134.6210
60	58.3812	-134.6300
61	58.3834	-134.6680
62	58.4443	-134.7670
63	58.4961	-134.7140
64	58.4872	-134.7720
65	58.5125	-134.7340
66	58.6190	-134.9270
67	58.6187	-134.9310
68	58.6533	-134.9395
69	58.6549	-134.9410
70	58.6590	-134.9424

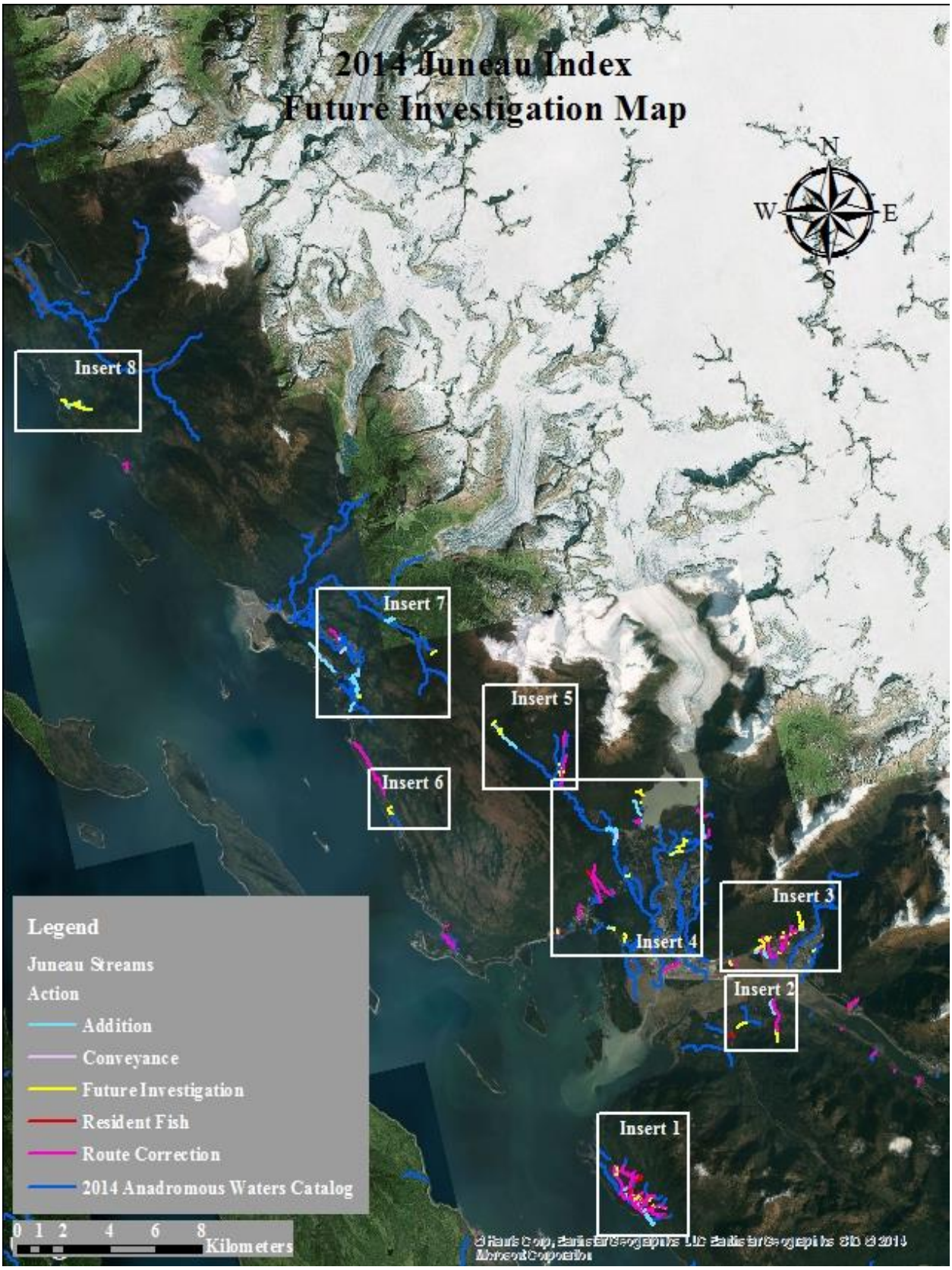

Figure 1.–2014 Juneau index future investigation map.

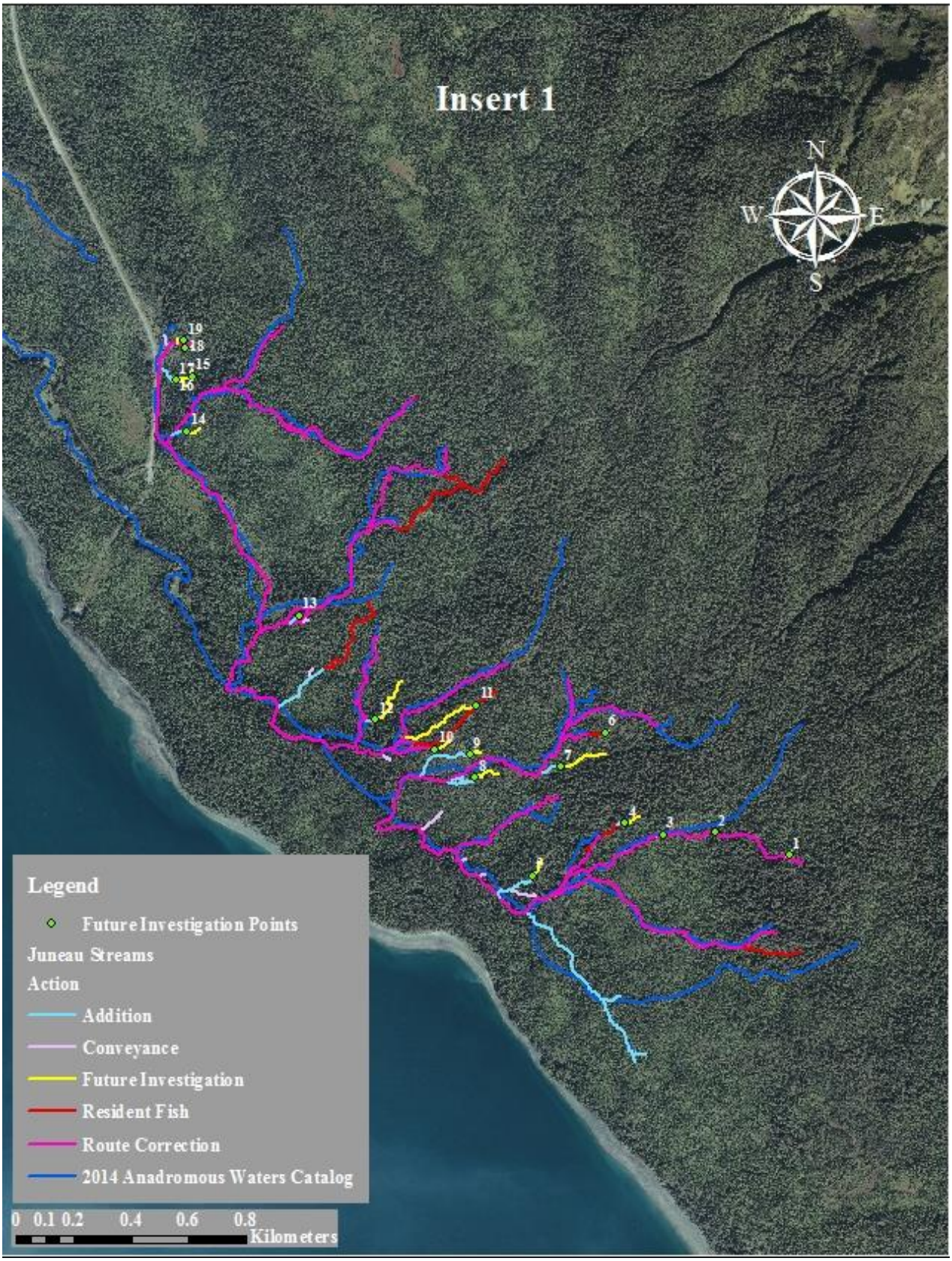

Figure 2.–Insert 1 map.

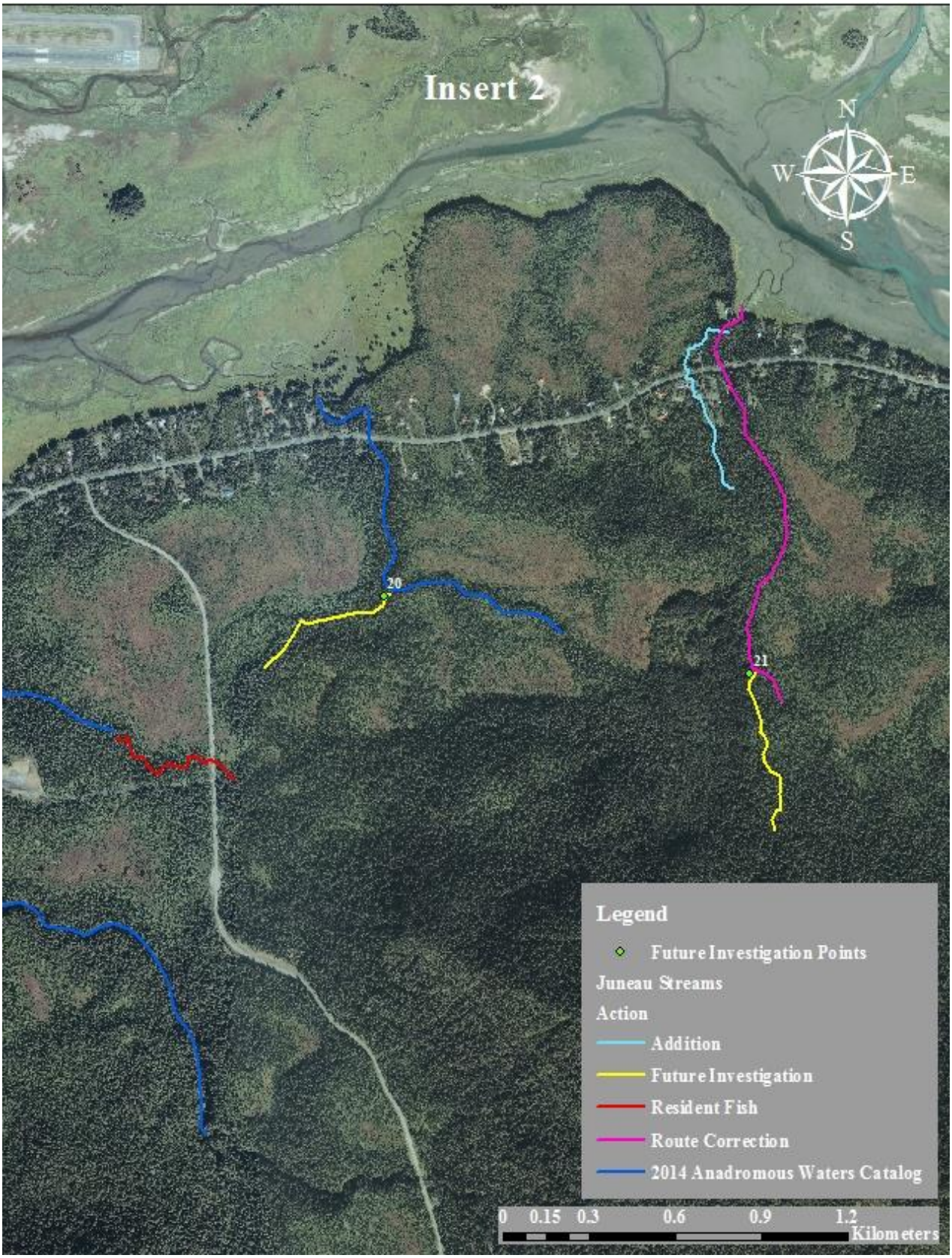

Figure 3.–Insert 2 map.

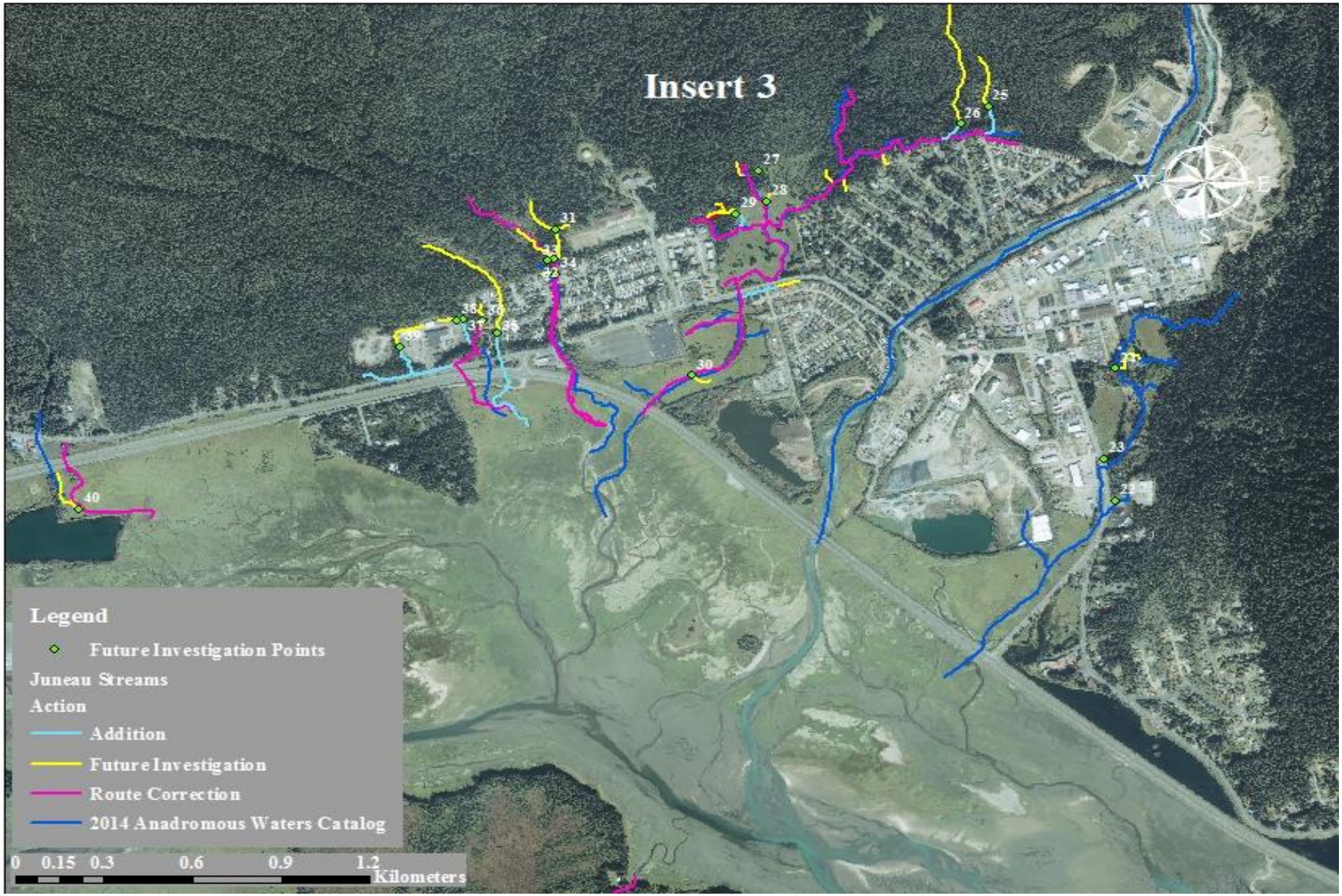

Figure 4.–Insert 3 map.

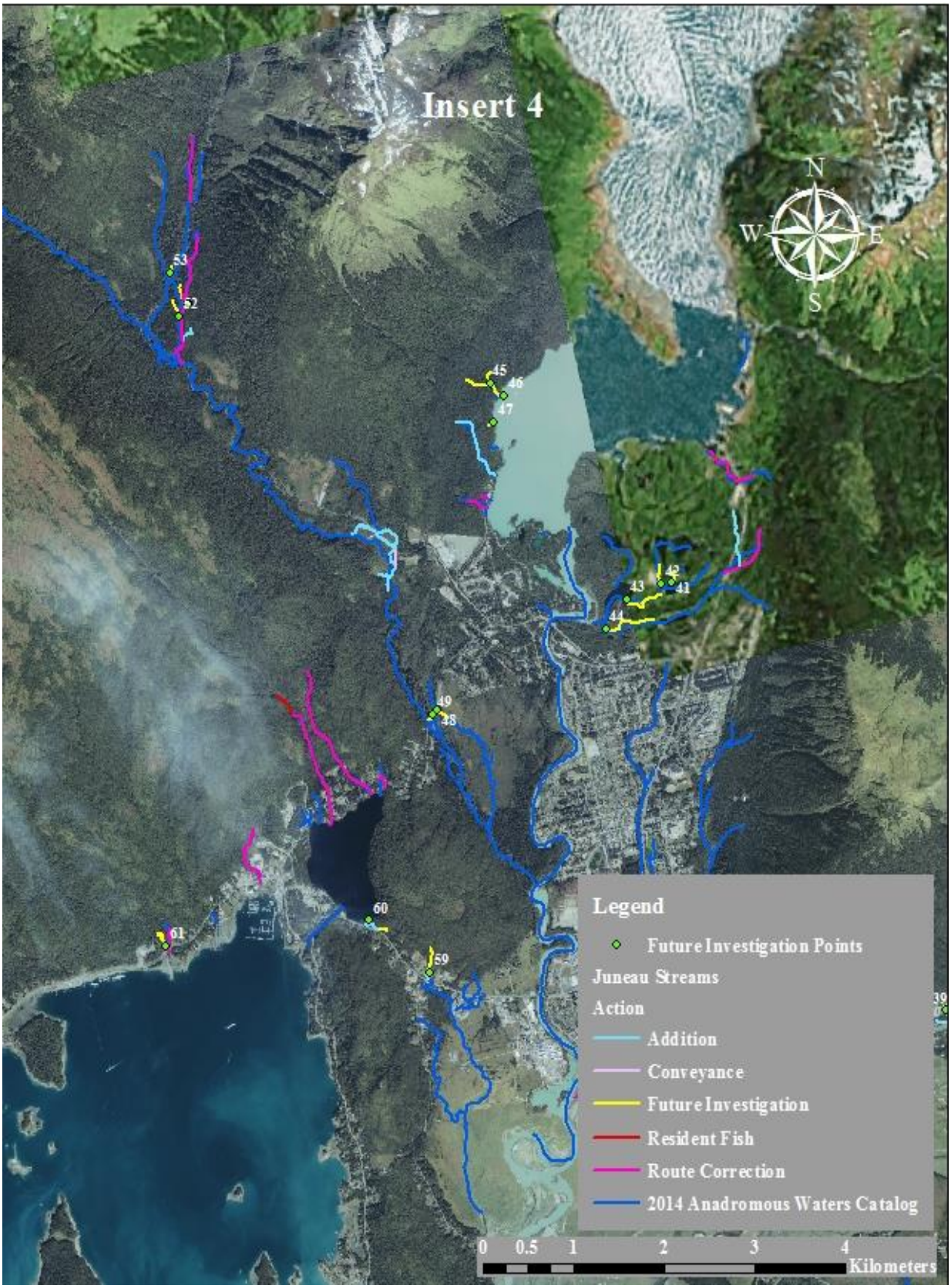

Figure 5.–Insert 4 map.

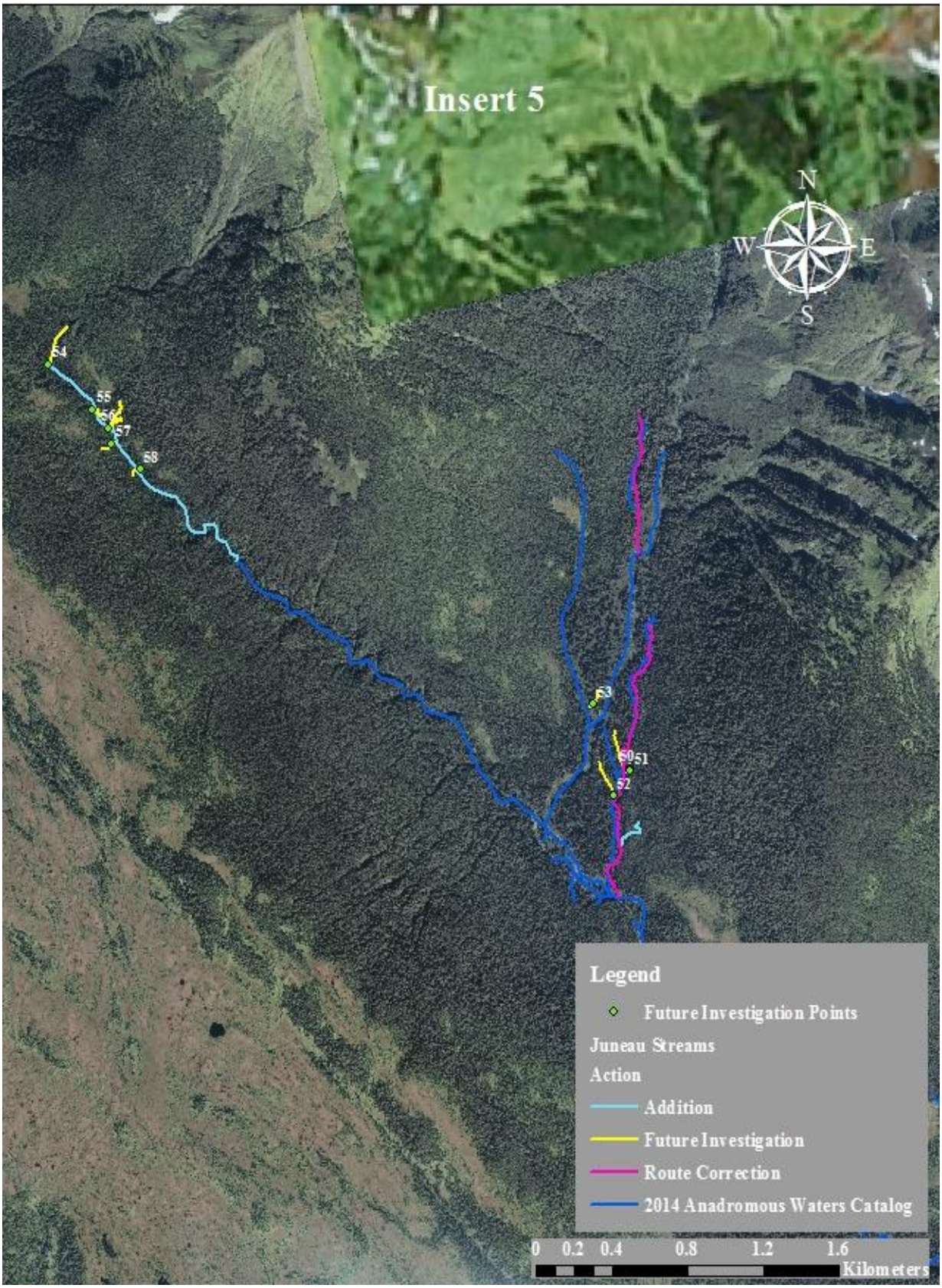

Figure 6.–Insert 5 map.

Figure 7.–Insert 6 map.

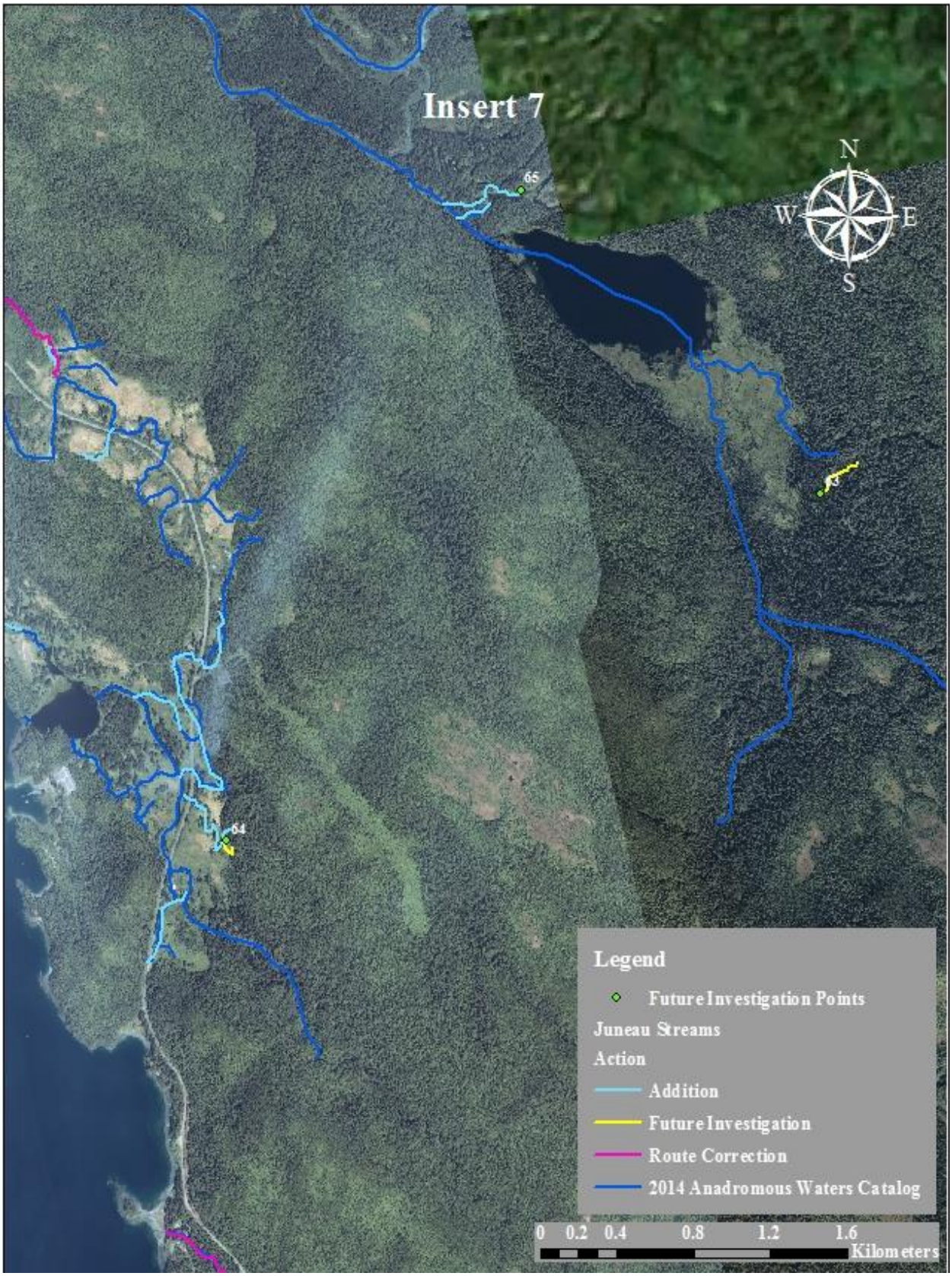

Figure 8.–Insert 7 map.

Figure 9.–Insert 8 map.