










Appendix I: Juneau

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



Symbols and Abbreviations

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

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

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 residents² 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).

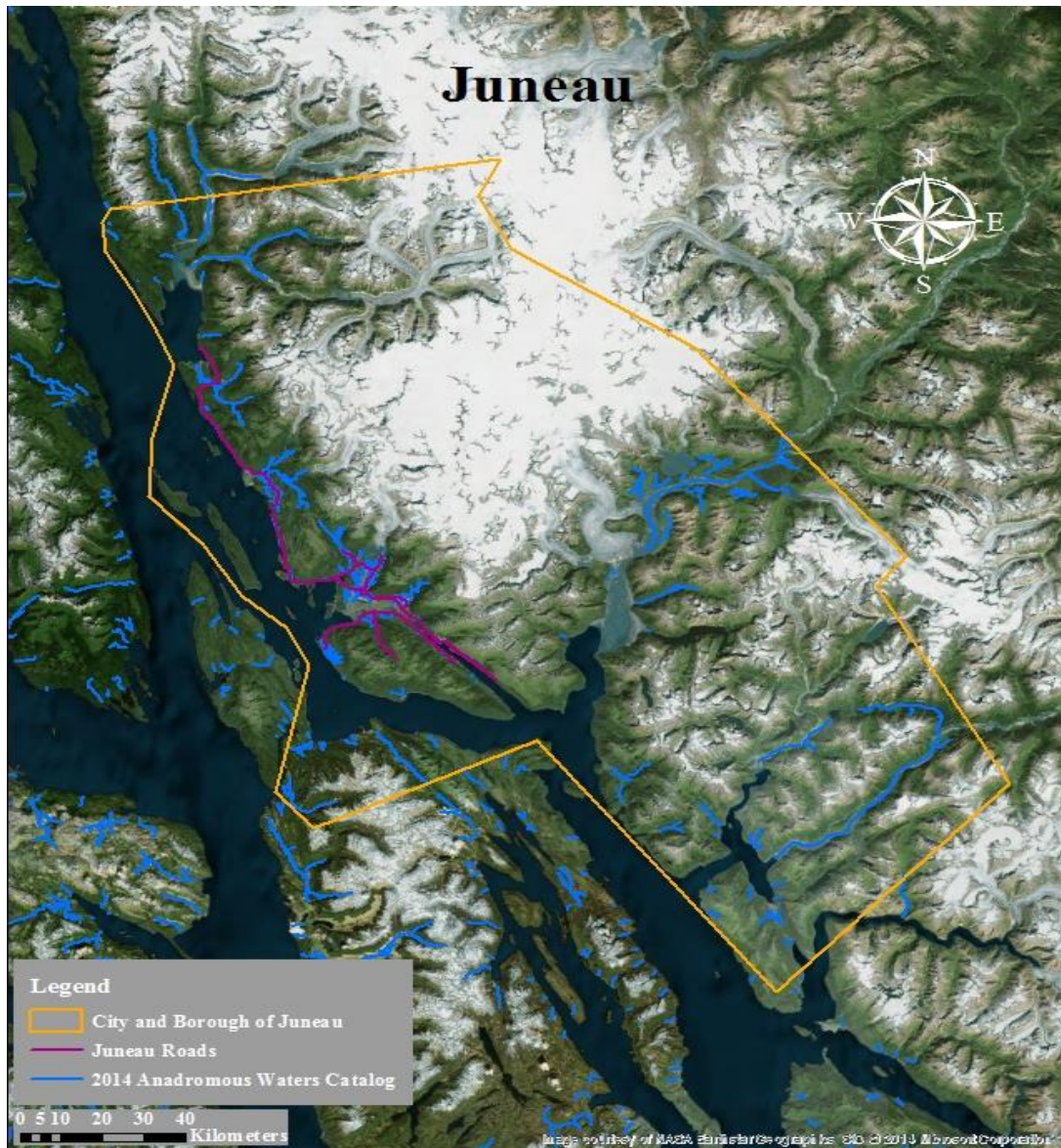


Figure 1.—Juneau map.

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

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.

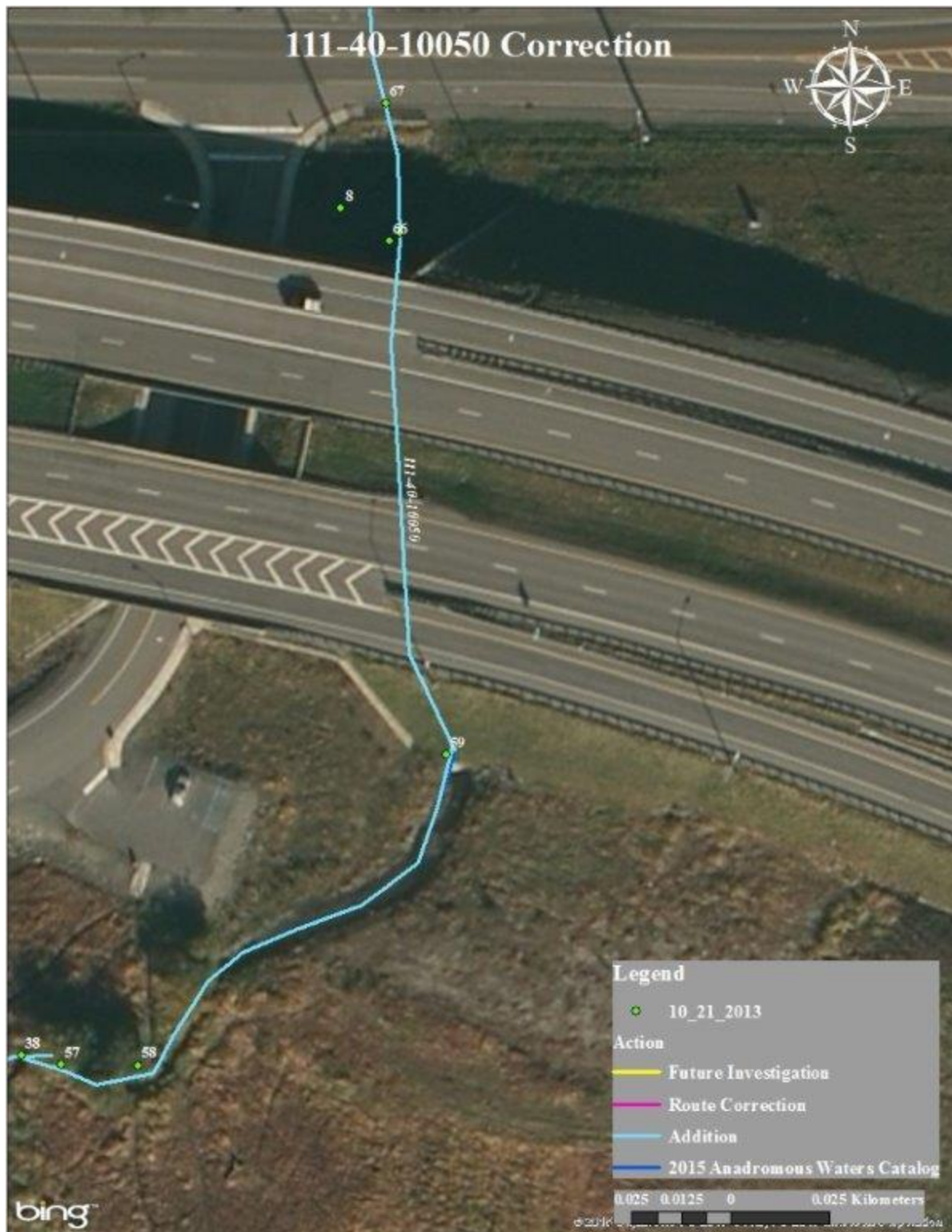


Figure 4.—111-40-10050 correction map.

111-40-10050**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.

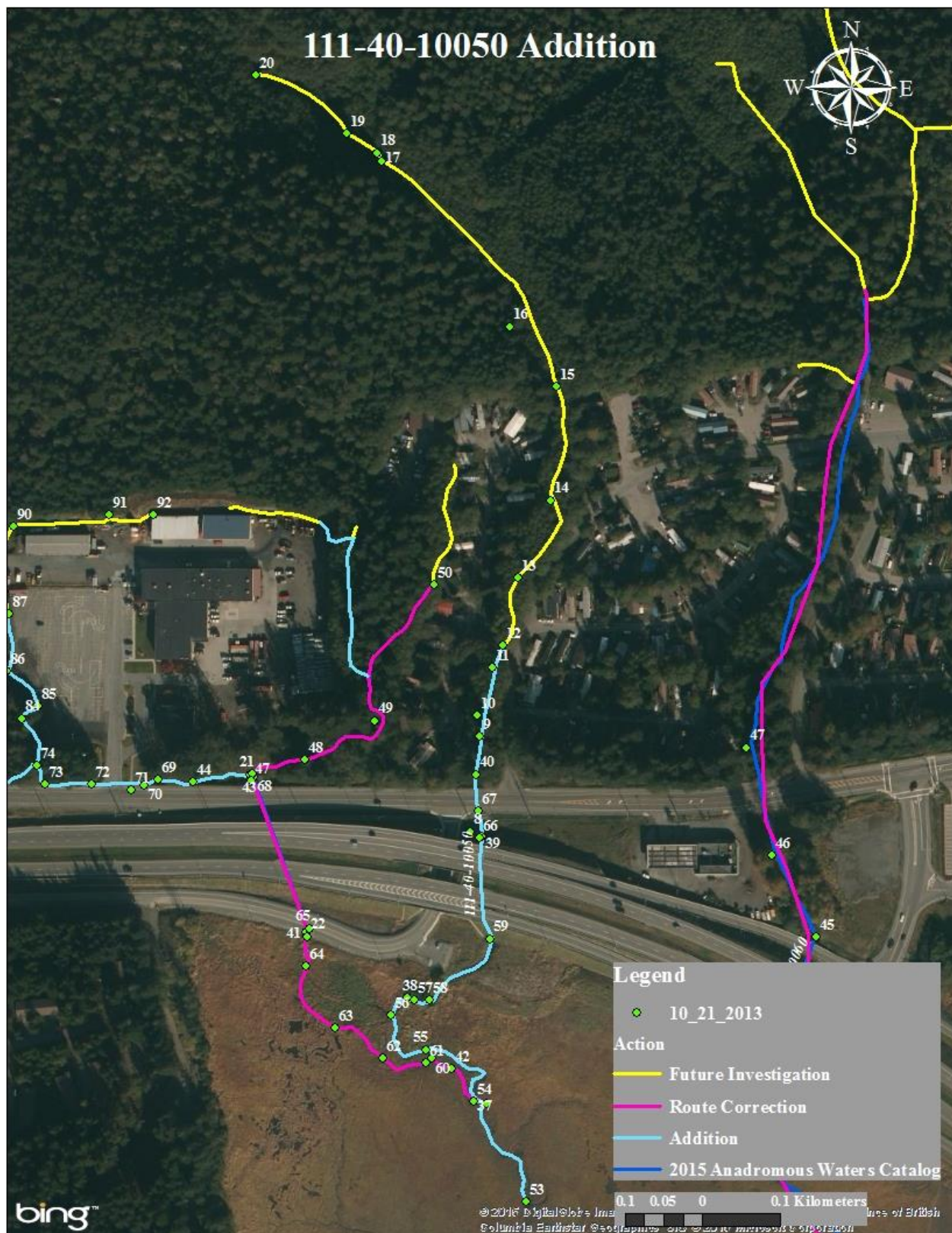


Figure 3.-111-40-10050 addition map.

111-40-10050-2003**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.

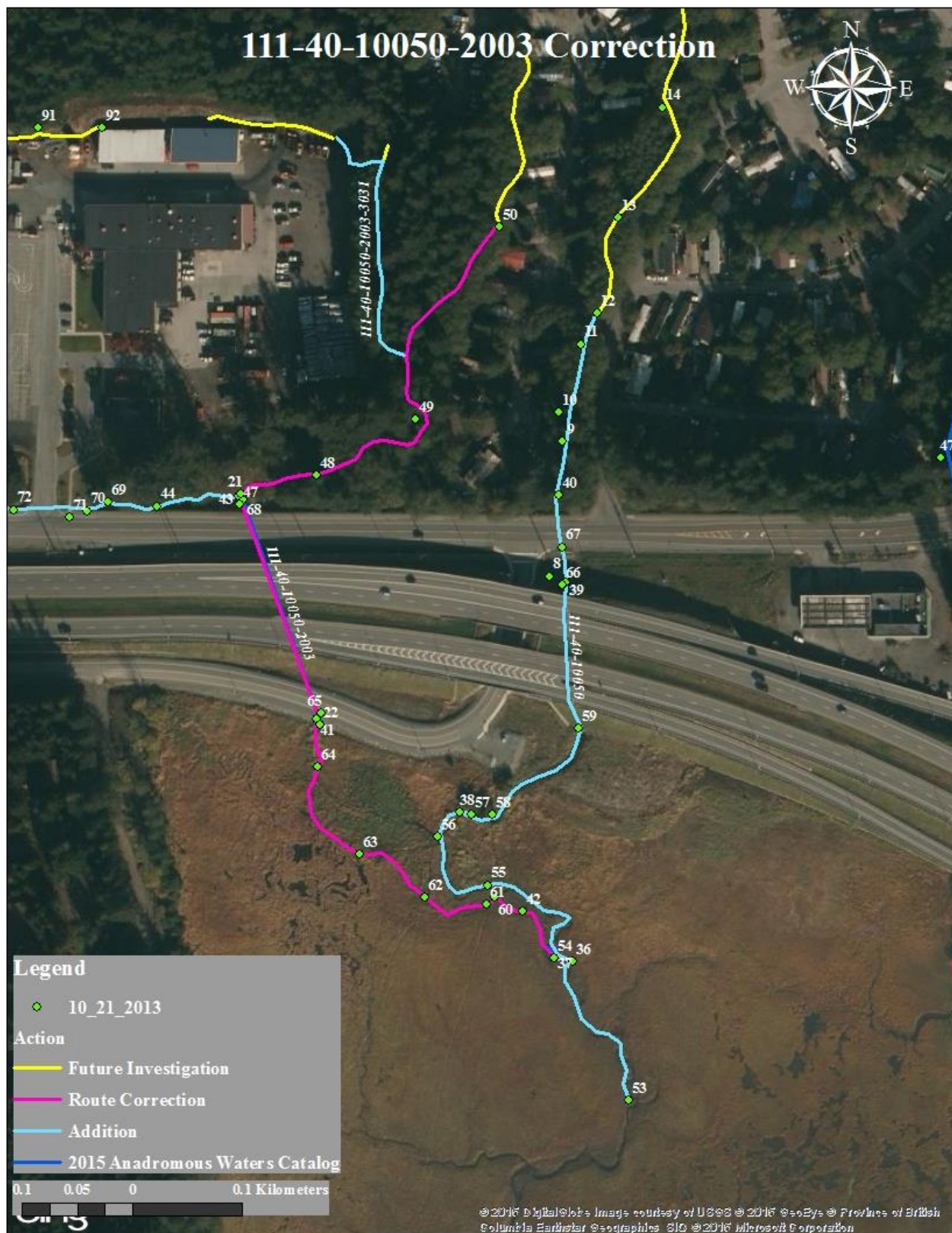


Figure 3.–111-40-10050-2003 correction map.

111-40-10050-2003-3023**ADDITION****Water body name:****Survey date:** 10/10/2013**Water body number:** 111-40-10050-2003-3023**Species & Lifestage:** CO_r**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:** COOr**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.

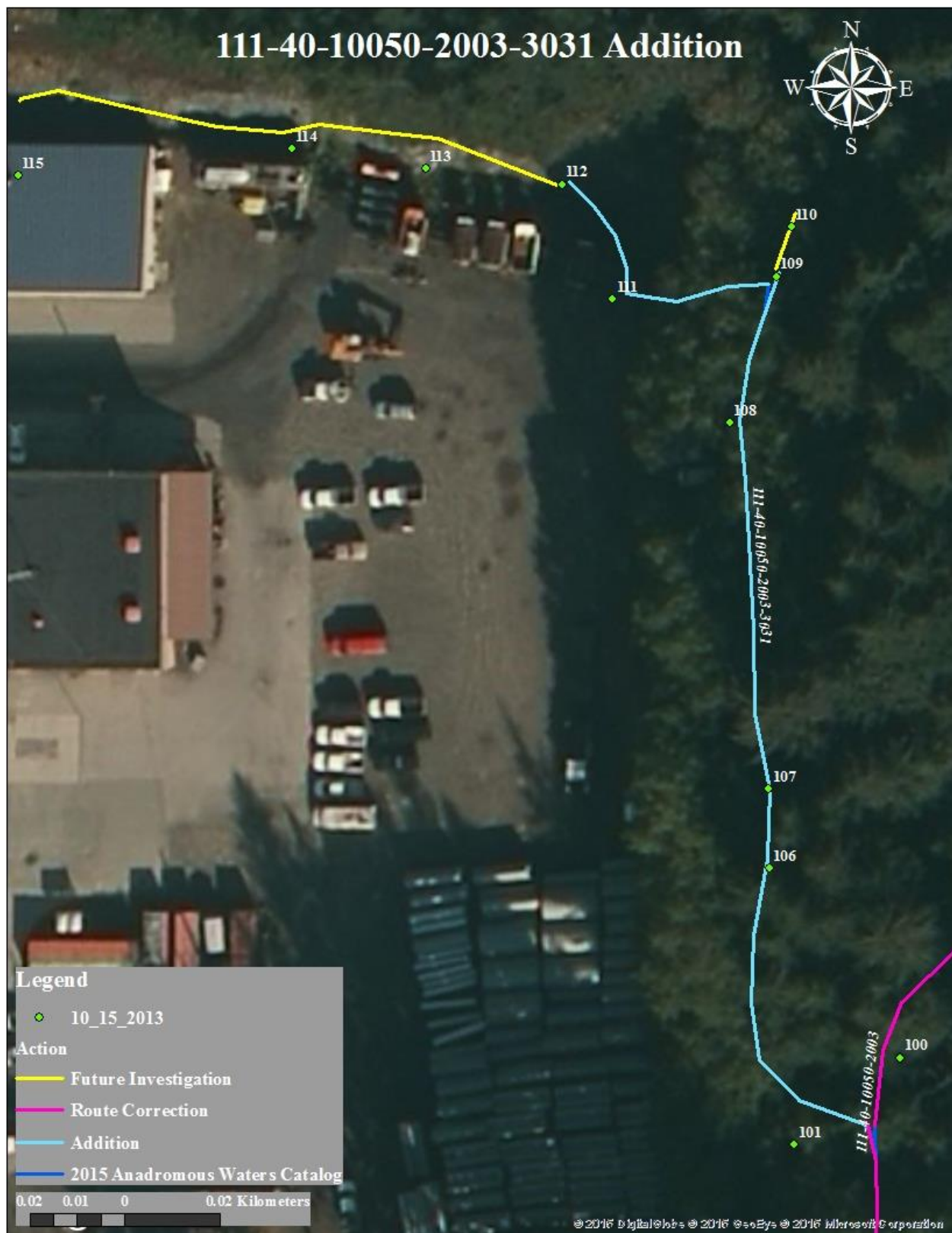


Figure 3.—111-40-10050-2003-3031 addition map.

111-40-10060**CORRECTION****Water body name:** East Creek**Survey date:** 10/21/2013**Water body number:** 111-40-10060**Species & Lifestage:** CO**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. | VI 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. | VI | 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. | VI | 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, VI | 4 DV |



Figure 1.—Adult female coho salmon.



Figure 2.—Outlet of Schneider Drive culvert.

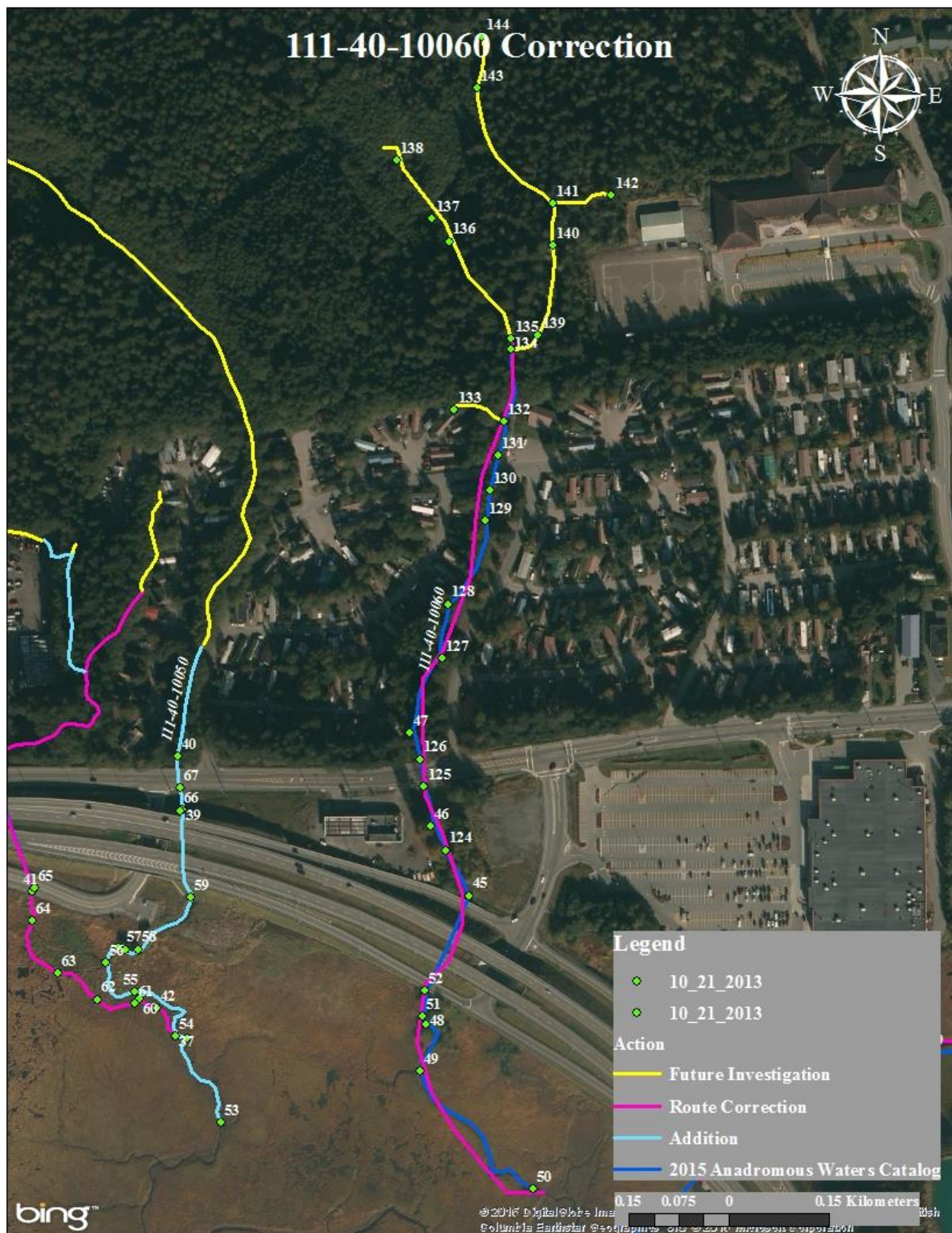


Figure 3.-111-40-10060 correction map.

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.

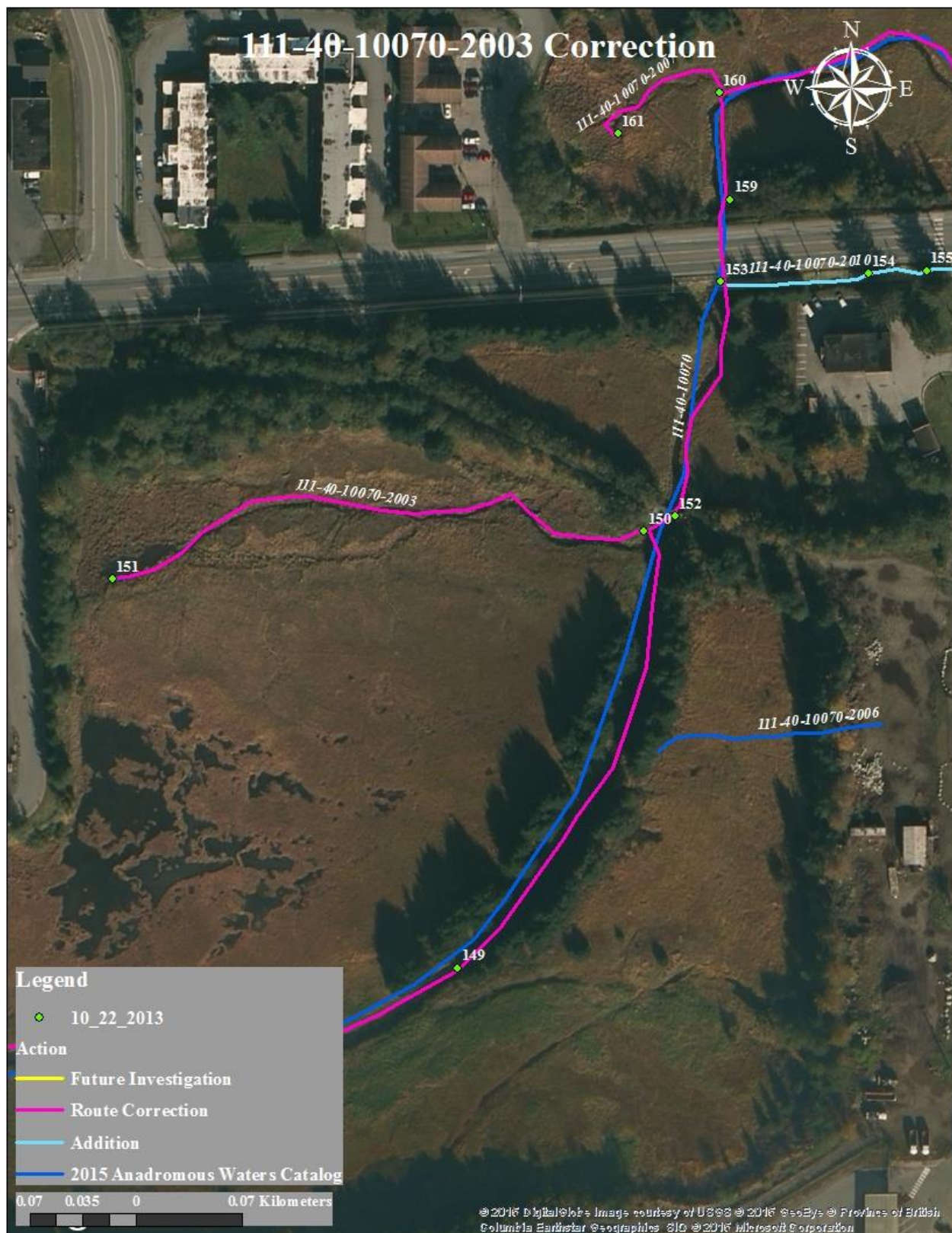


Figure 3.—111-40-10070-2003 correction map.

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 | Tributary entering RL. | EF | 1 CO, 1 DV |
| 165 | 58.3618 | -134.5078 | | | |
| 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 | Board walk right next to stream. Substrate clay and channeled. | EF | 5 CO, 2 DV |
| 170 | 58.3620 | -134.5094 | | EF | 2 CO |
| 171 | 58.3623 | -134.5098 | | 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 | |

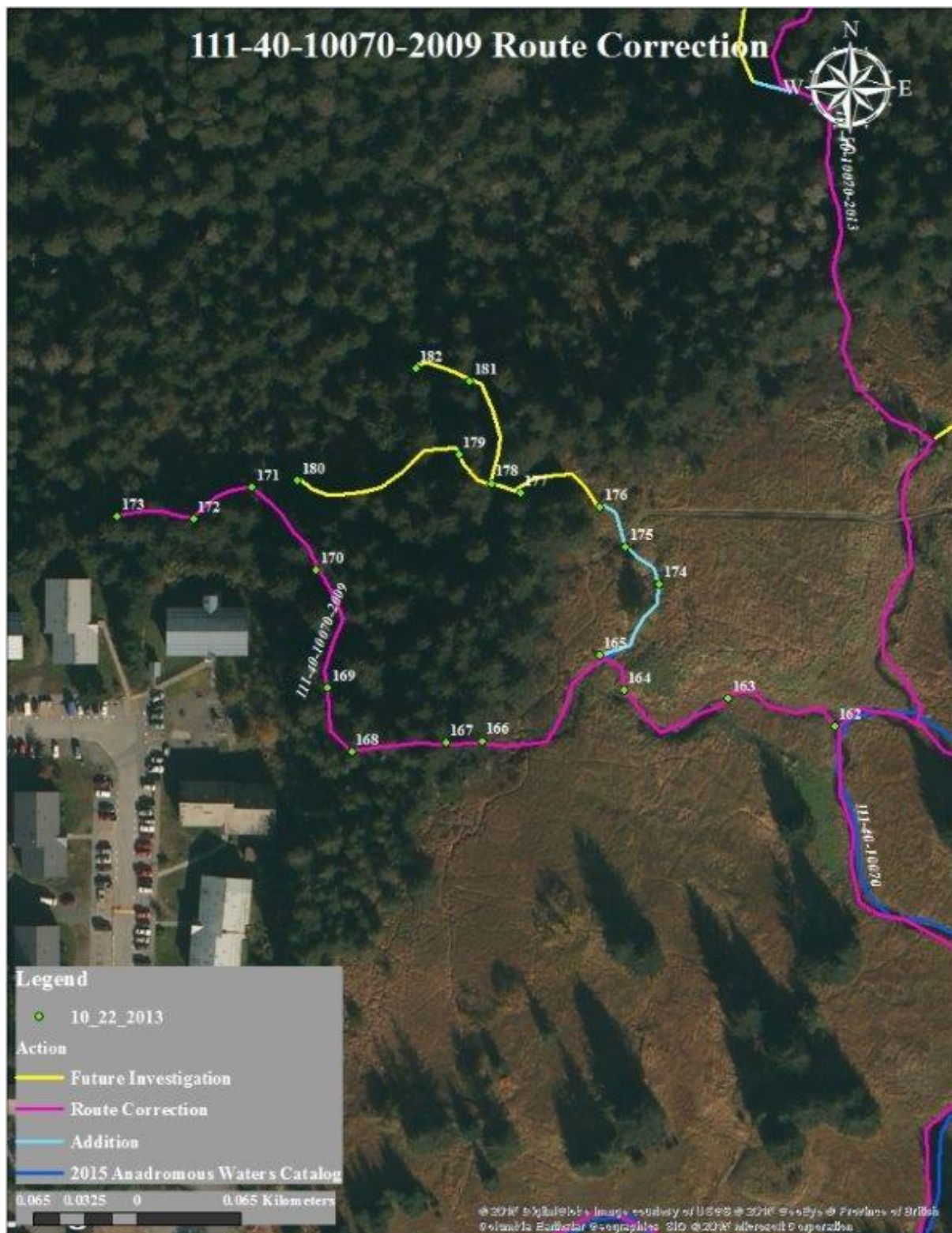


Figure 1.—111-40-10070-2009 route correction.

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: CO

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.

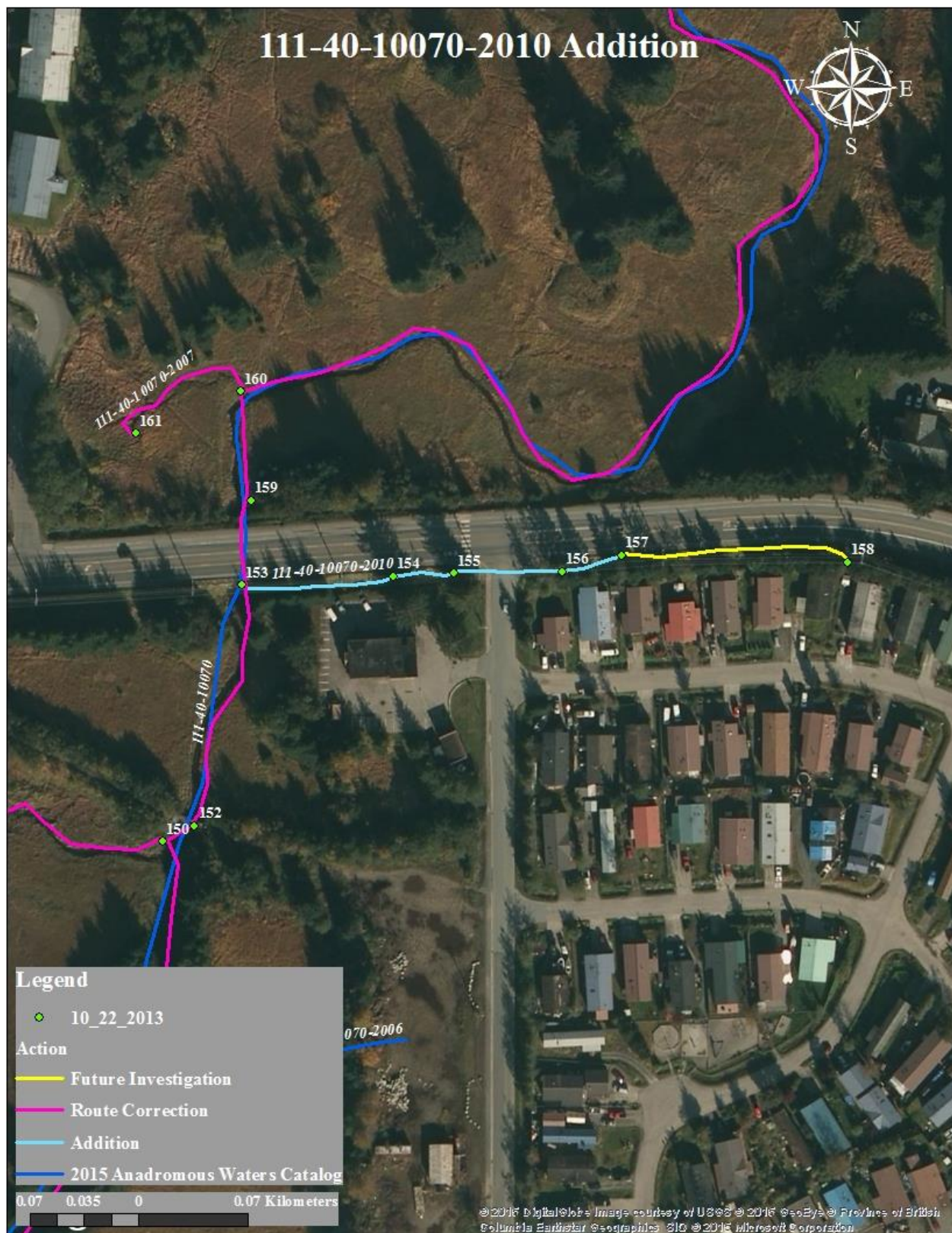


Figure 3.—111-40-10070-2010 addition map.

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.

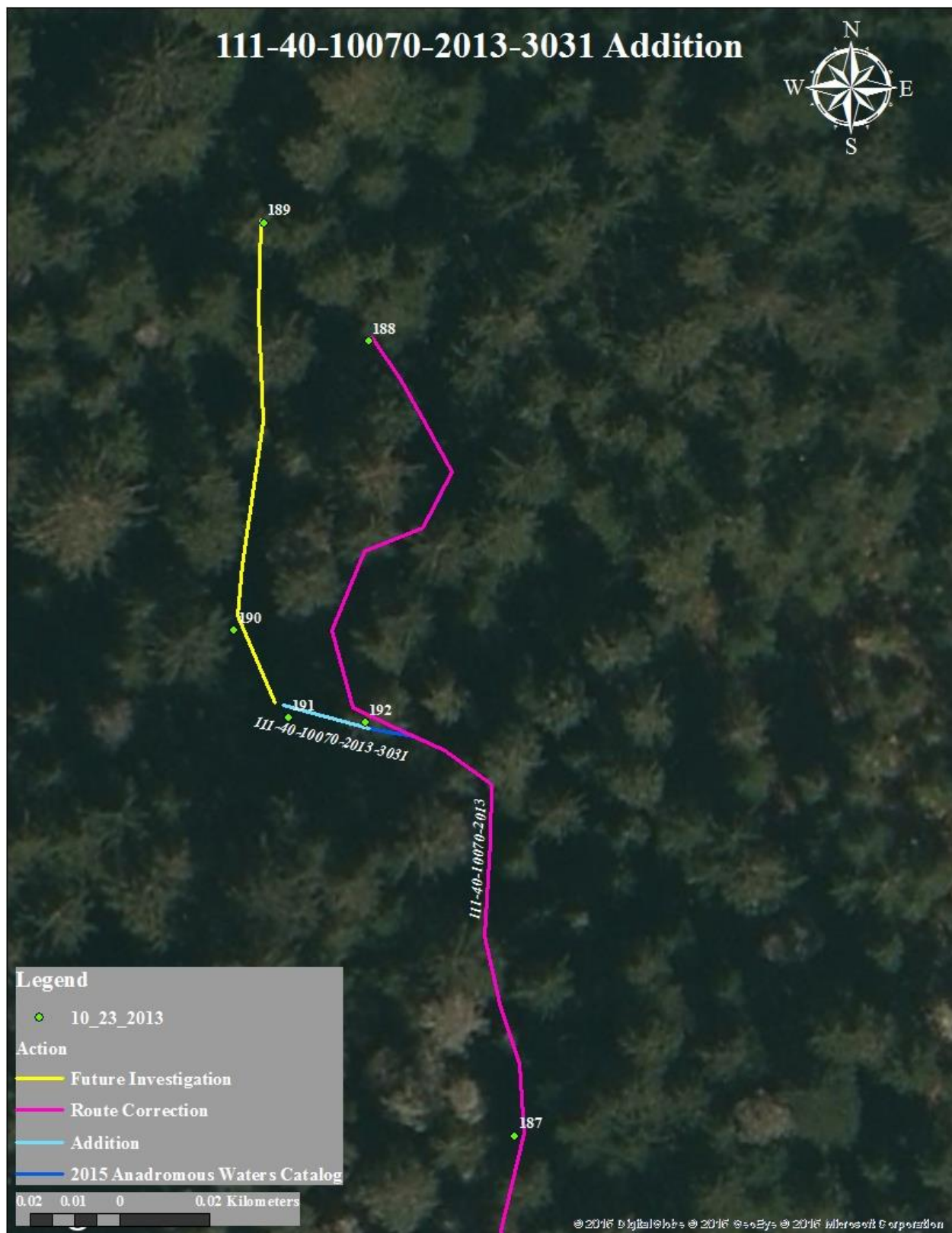


Figure 3.-111-40-10070-2013-3031 addition map.

111-40-10070-2020**CORRECTION****Water body name:****Survey date:** 10/24/2013**Water body number:** 111-40-10070-2020**Species & Lifestage:** CO**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.

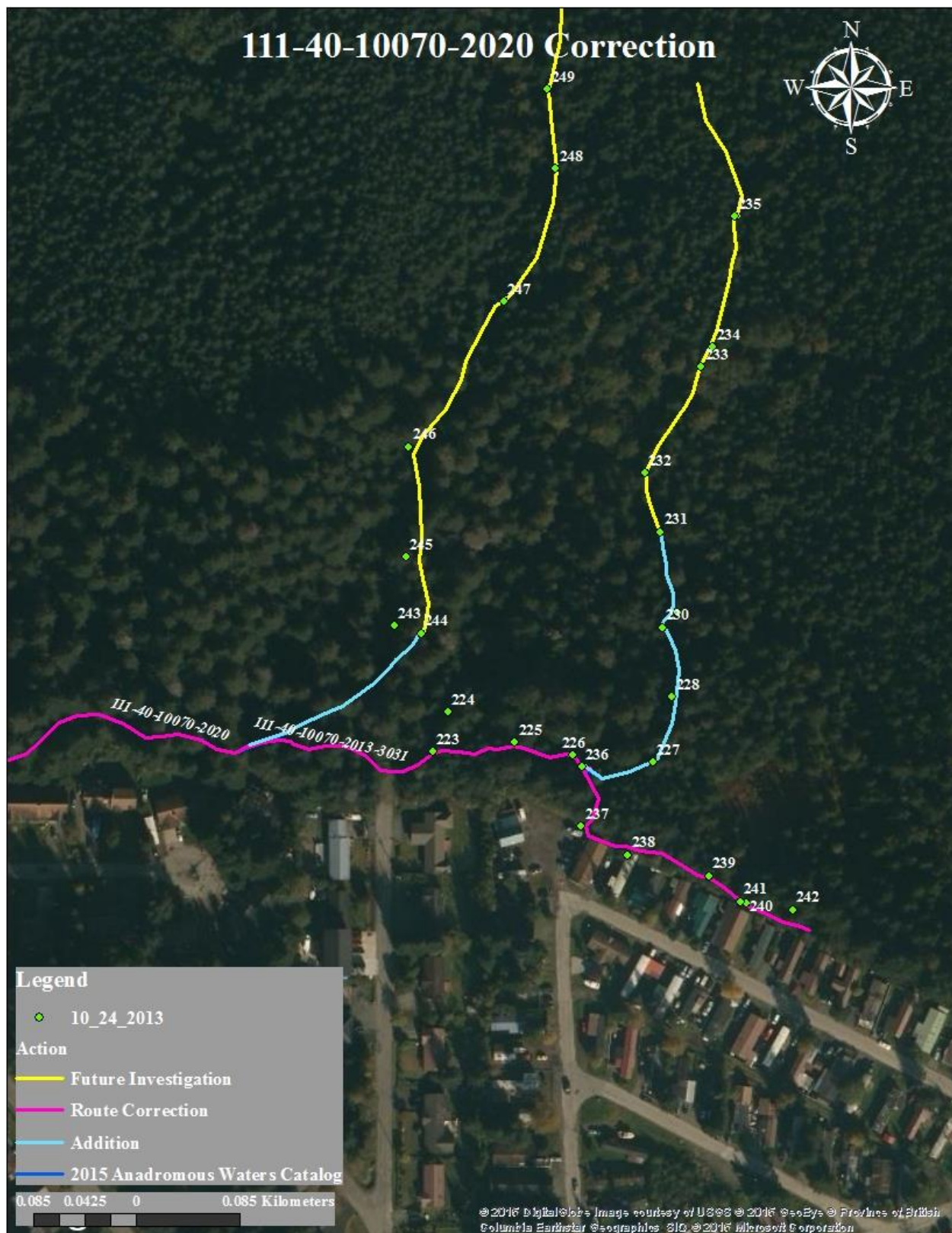


Figure 4.–111-40-10070-2020 correction map.

111-40-10070-2020-3031**ADDITION****Water body name:****Survey date:** 10/24/2013**Water body number:** 111-40-10070-2020-3031**Species & Lifestage:** CO**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.

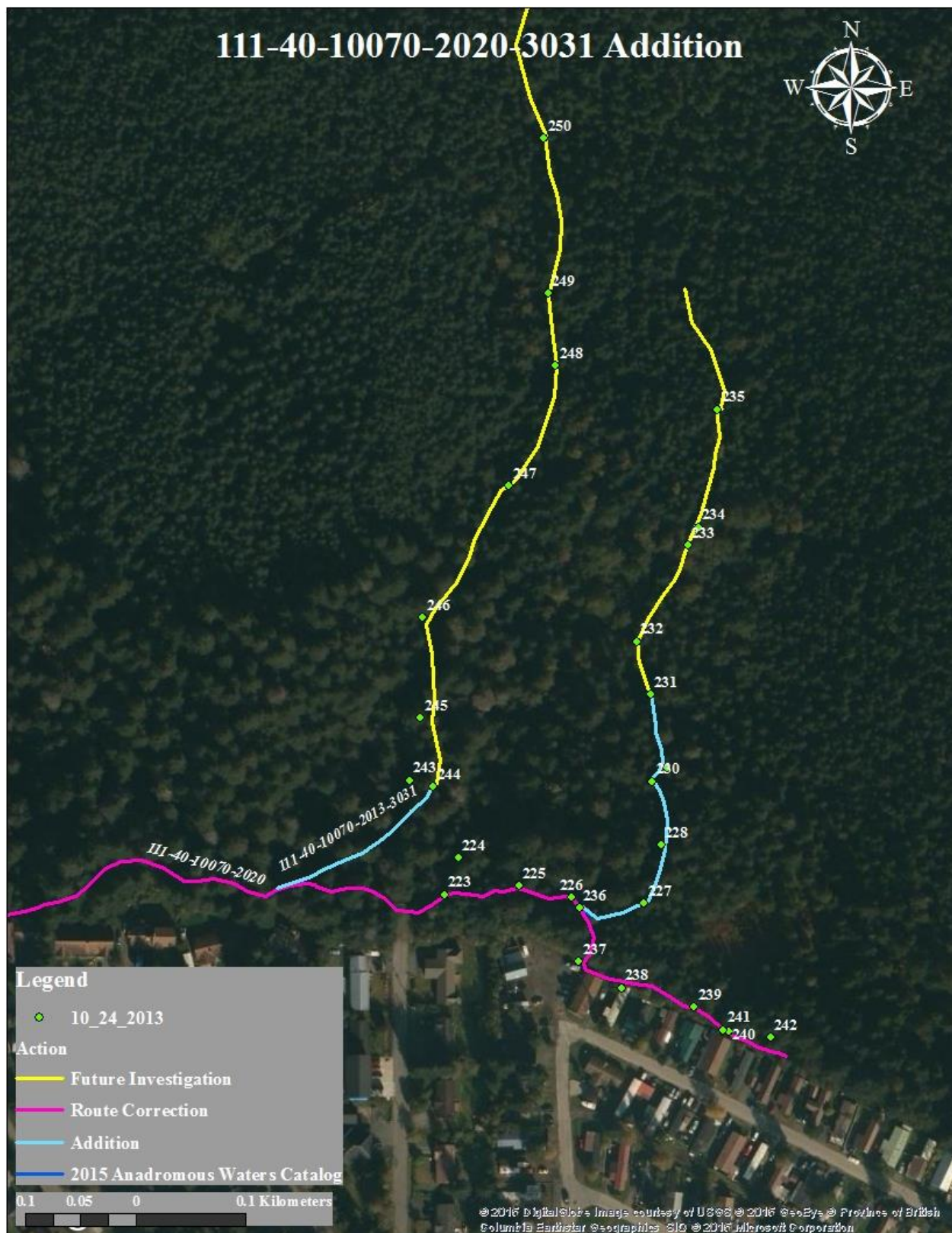


Figure 3.—111-40-10070-2020-3031 addition map.

111-40-10070-2020-3039**ADDITION****Water body name:****Survey date:** 10/24/2013**Water body number:** 111-40-10070-2020-3039**Species & Lifestage:** CO**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. | VI | 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.

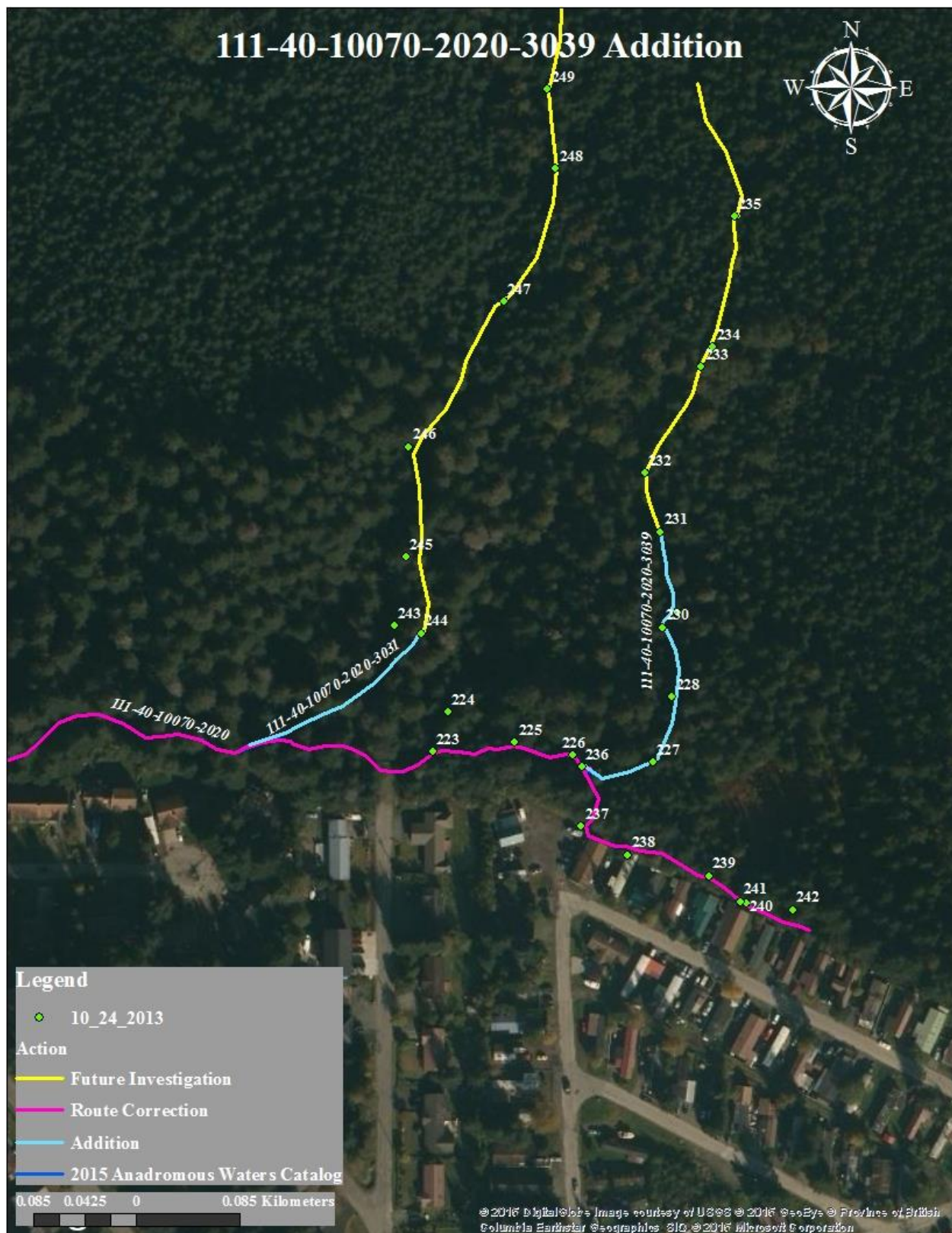


Figure 3.—111-40-10070-2020-3039 addition map.

111-40-10100

CORRECTION

Water body name: Lemon Creek

Survey date: 9/9/2015

Watershed: Mendenhall River-Frontal Gastineau Channel

Species & Lifestage: CHs, COp, DVp, Psp

MTR: C040S066E **Quad:** Juneau B-2

Findings: I visually observed about 80 pink salmon, including 3 spawning pairs downstream of waypoint 1 (Table 1, Figures 1, 2).

Recommendations: Correct to add spawning pink salmon at waypoint 1 (Figure 2).

Nomination: 16-554

Table 1.–111-40-10100 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 1 | 58.3601 | -134.4870 | Pink salmon pair constructing redd in <6 in deep channel. Counted about 80 live pink salmon moving downstream from this location for 1,000 ft. | VI | 80 Ps |
| 2 | 58.3598 | -134.4886 | Two male and one femal pink salmon on redd site. | VI | 3 Ps |
| 3 | 58.3598 | -134.4889 | Pink salmon pair constructing redd. | VI | 2 Ps |

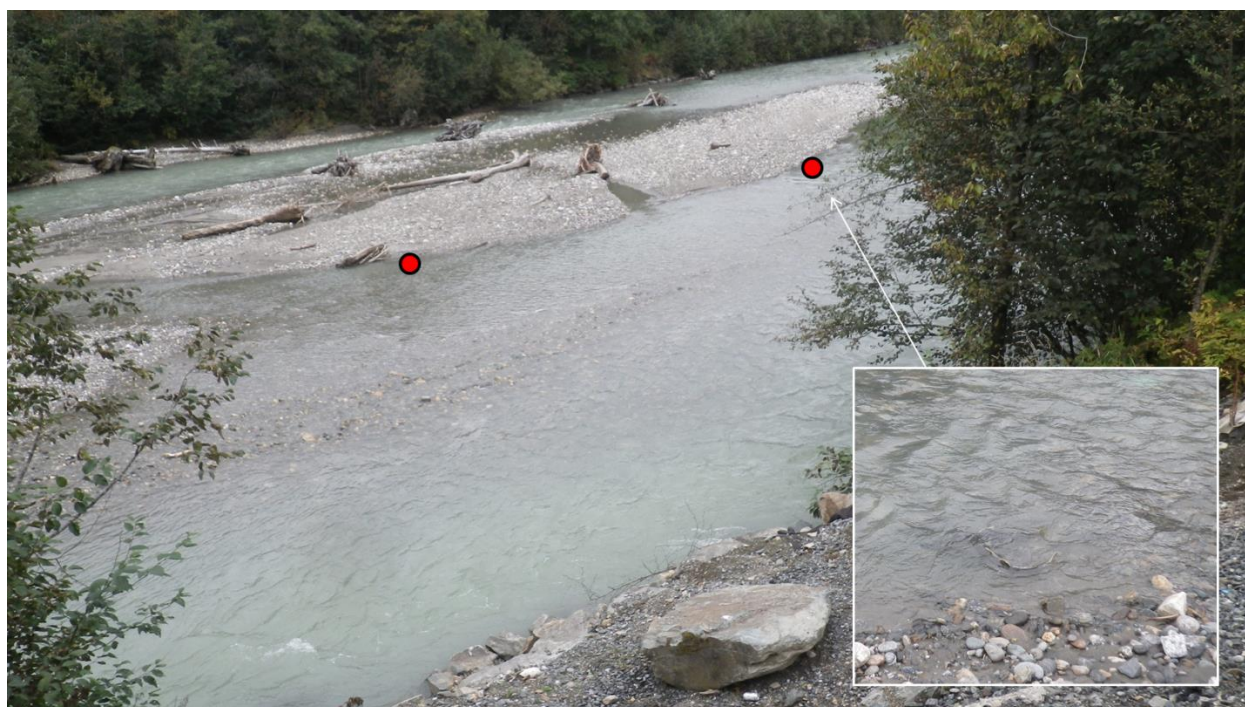


Figure 1.–Redd sites for waypoints 2 and 3.

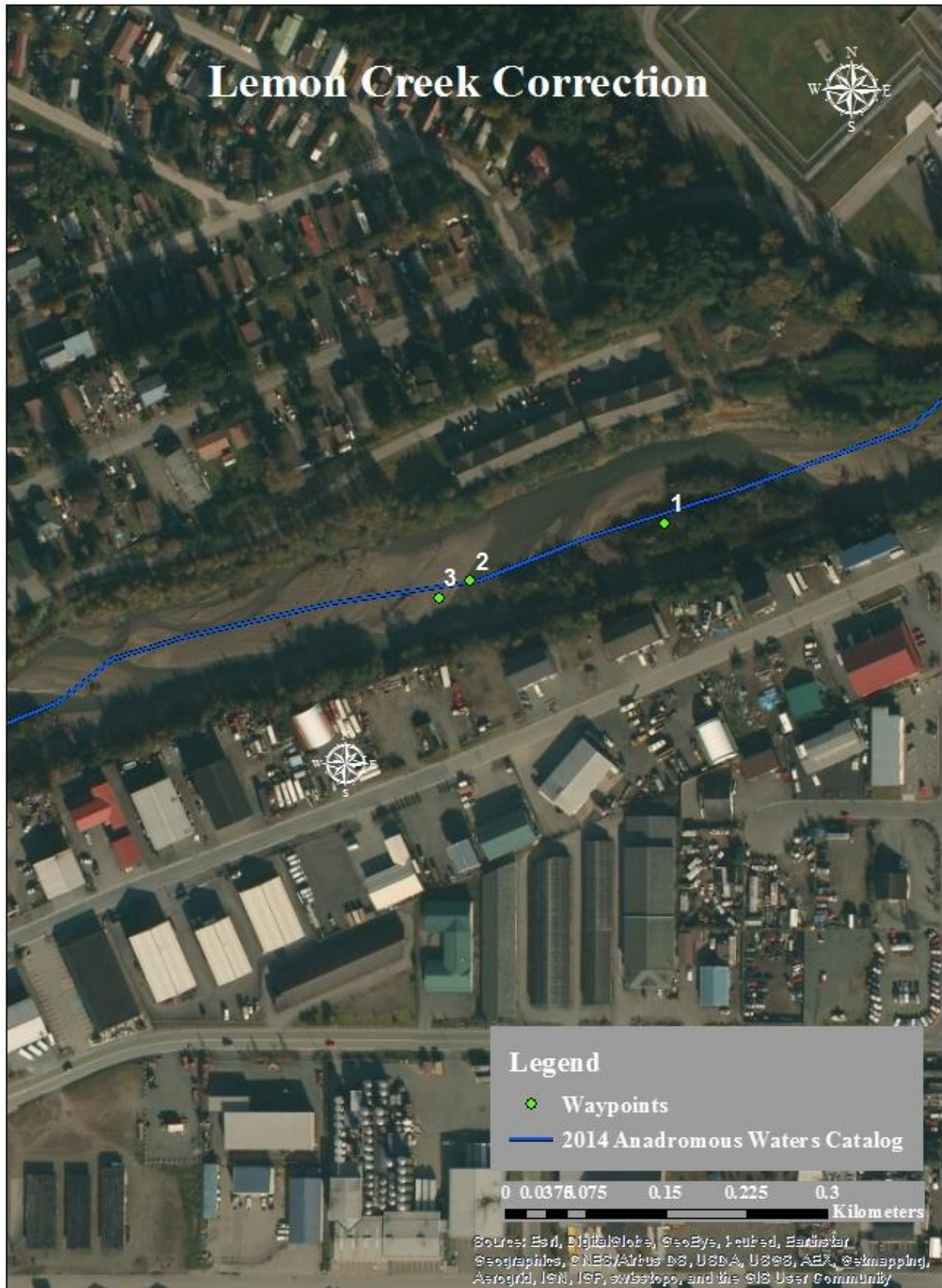


Figure 2.-111-40-10100 survey map.

111-40-10100-2049**ADDITION****Water body name:** Orange Creek**Survey date:** 6/2/2016**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:****MTR:** C040S066E **Quad:** Juneau B-2**Findings:** We surveyed this tributary to Stream No. 111-40-10100 using a minnow trap and GPS (Table 1). We captured eight rearing coho salmon and had visuals on many others (Figures 1,2).**Recommendations:** Add this stream to the AWC (Figure 3).**Nomination:** 16-565

Table 1.—111-40-10100-2049 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 1111 | 58.3754 | -134.4649 | Mouth of small tributary on Lemon Creek. | | |
| 1112 | 58.3757 | -134.4657 | Several rearing coho in pool. | VI | Several CO |
| 1113 | 58.3760 | -134.4655 | Several rearing coho in pool. | VI | Several CO |
| 1114 | 58.3761 | -134.4654 | Upper extent of creek. Water is upwelling in a pool from the gravel. During high flows this tributary may become a braid of Lemon Creek. Set one minnow trap for 10 minutes. Captured 8 CO 35-85 mm. | MT | 8 CO |
| 1115 | 58.3765 | -134.4651 | Confluence of tributary/braid with Lemon Creek during high flows. | | |



Figure 1.—Coho salmon caught in Orange Creek.



Figure 2.—Rearing coho salmon in a pool in Orange Creek.



Figure 3.—111-40-10100-2049 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.

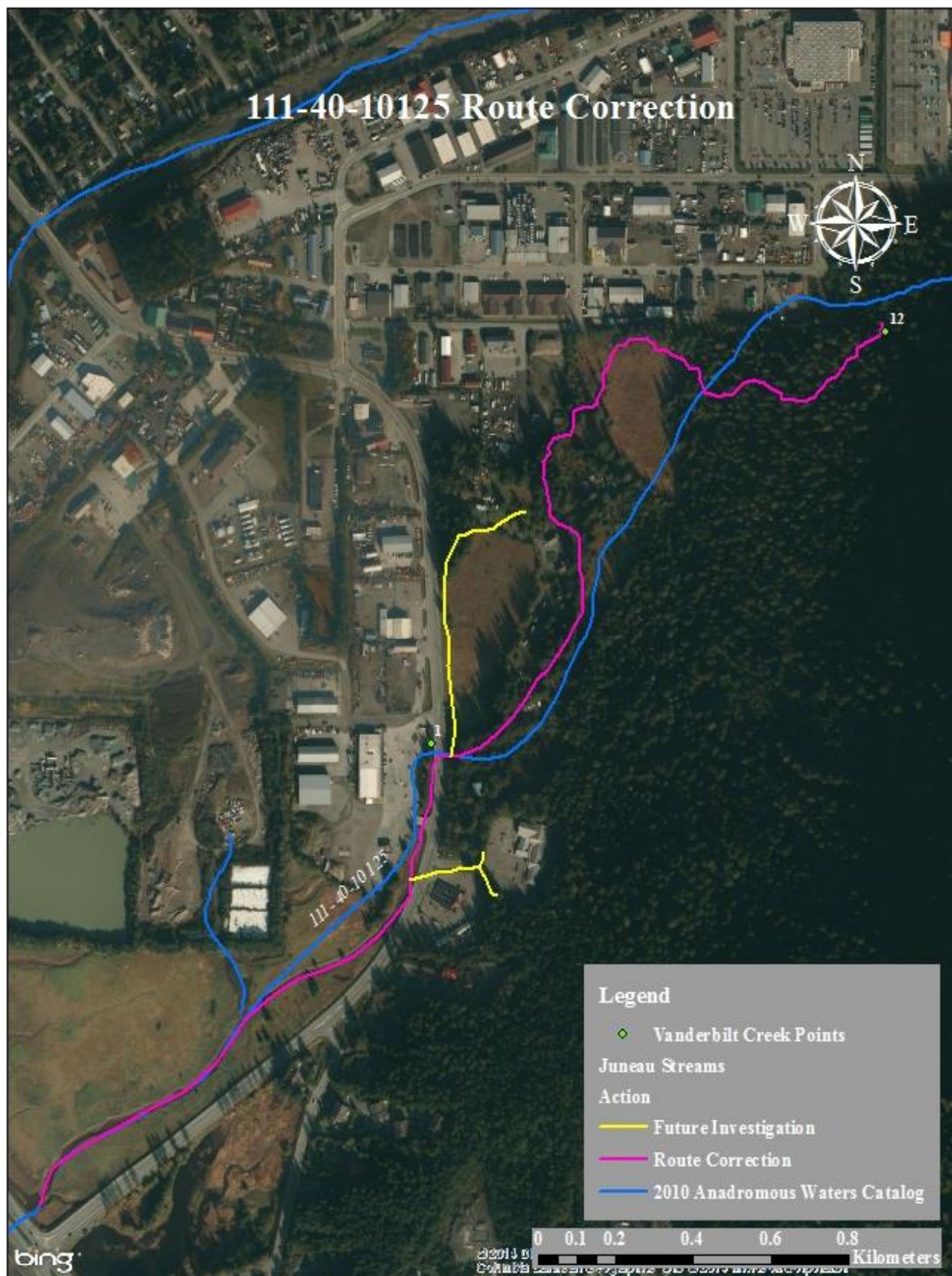


Figure 2.—111-40-10125 route correction map.

Juneau

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 |

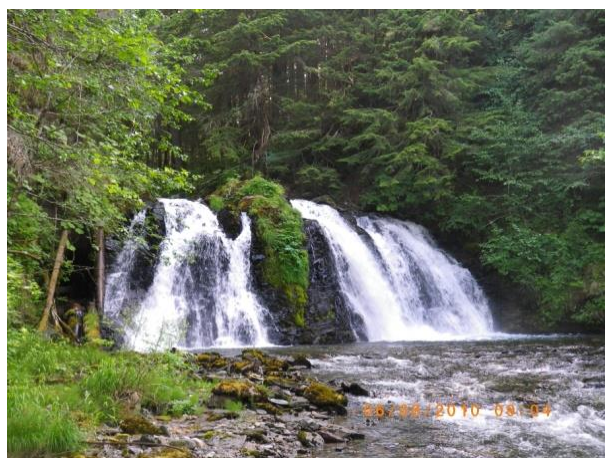


Figure 1.–Barrier falls on Salmon Creek.



Figure 2.–Looking up at falls.

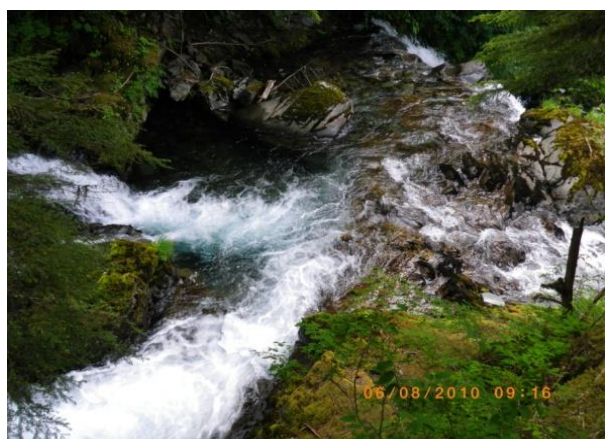


Figure 3.–Looking down from waterfall.



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

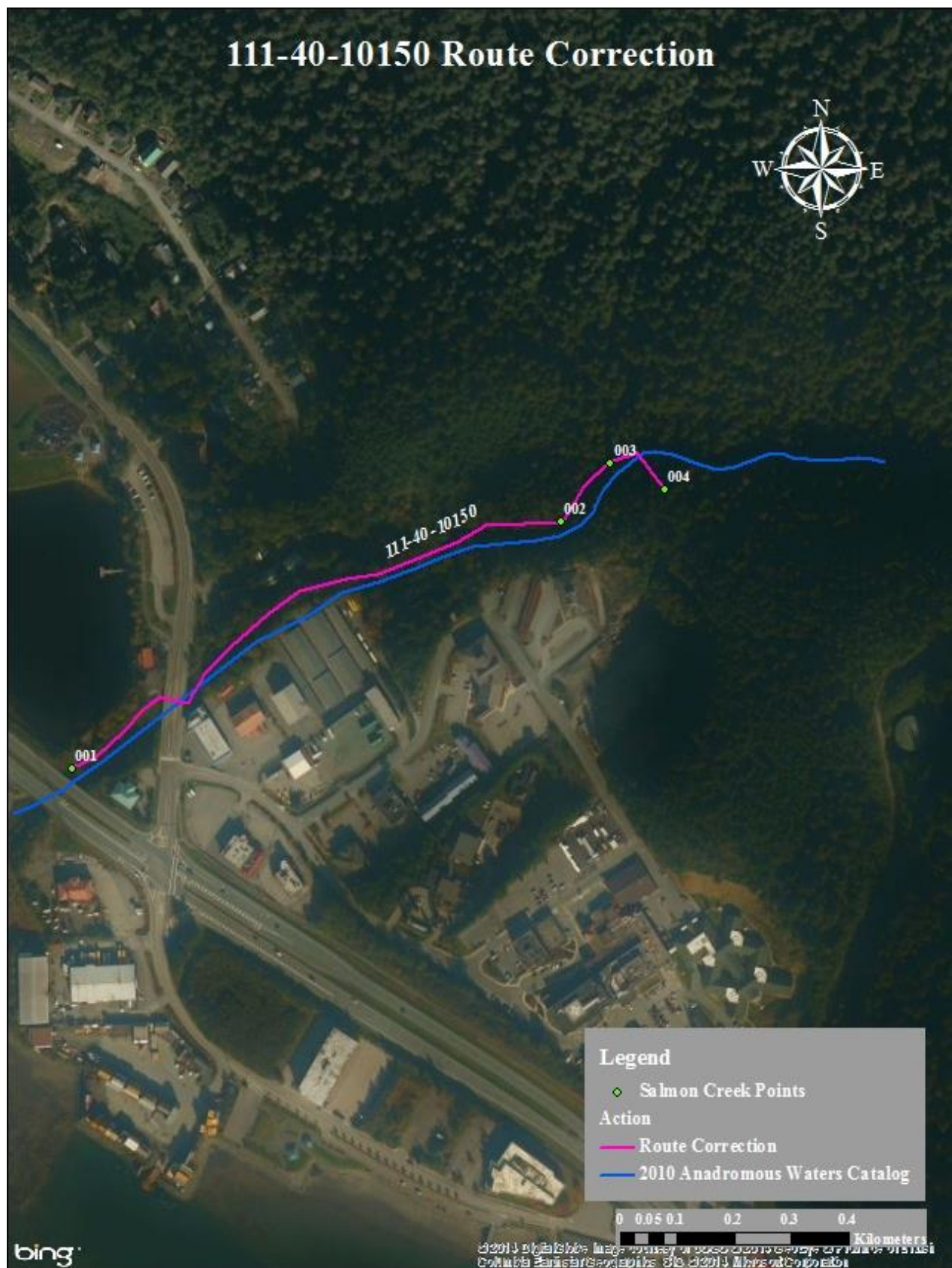


Figure 5.—111-40-10150 route correction map.

Juneau

111-40-10240**ADDITION****Water body name:** Snowslide Creek**Survey date:** 9/9/2010**Water body number:** 111-40-10240**Species & Lifestage:** CO**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.

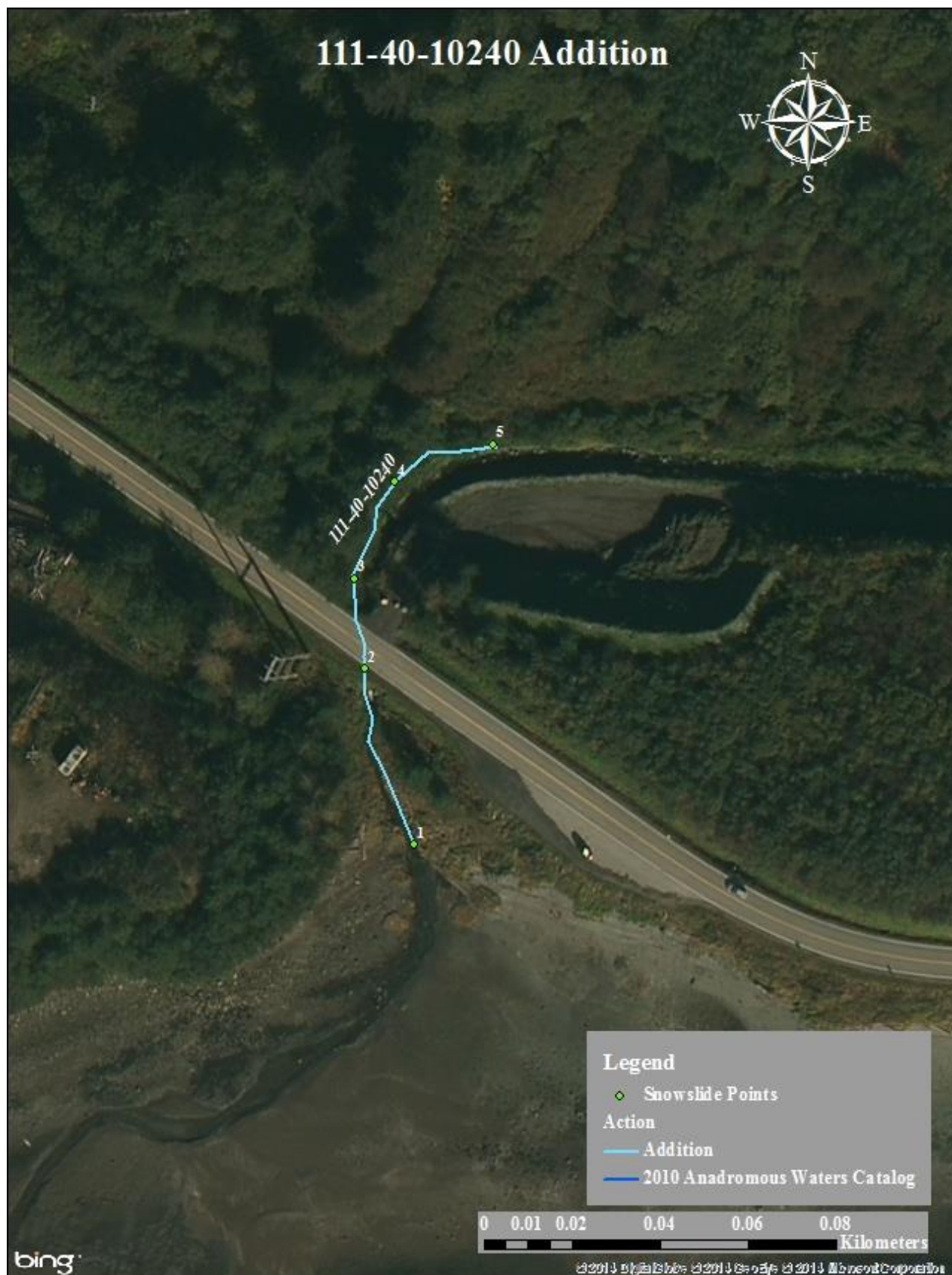


Figure 7.—111-40-10240 addition map.

111-40-10280**CORRECTION****Water body name:** Sheep Creek**Survey date:** 11/23/2015**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:** CHp,Pp**MTR:** C042S068E **Quad:** Juneau B-1**Findings:** I used imagery to extend the lower portion of the stream to include the intertidal channel (Table 1).**Recommendations:** Please adjust the lower point as shown in Figure 1.**Nomination:** 16-512

Table 1.–111-40-10280 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|-------------|---------------|----------------|
| 1 | 58.2580 | -134.3240 | Lower limit | Imagery | |



Figure 1.–111-40-10280 route correction 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.

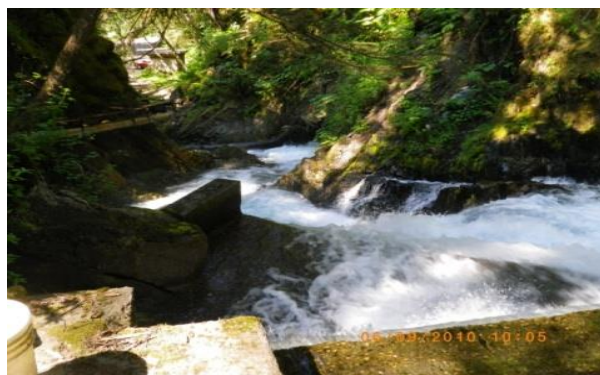


Figure 3.—Looking down at barrier falls.

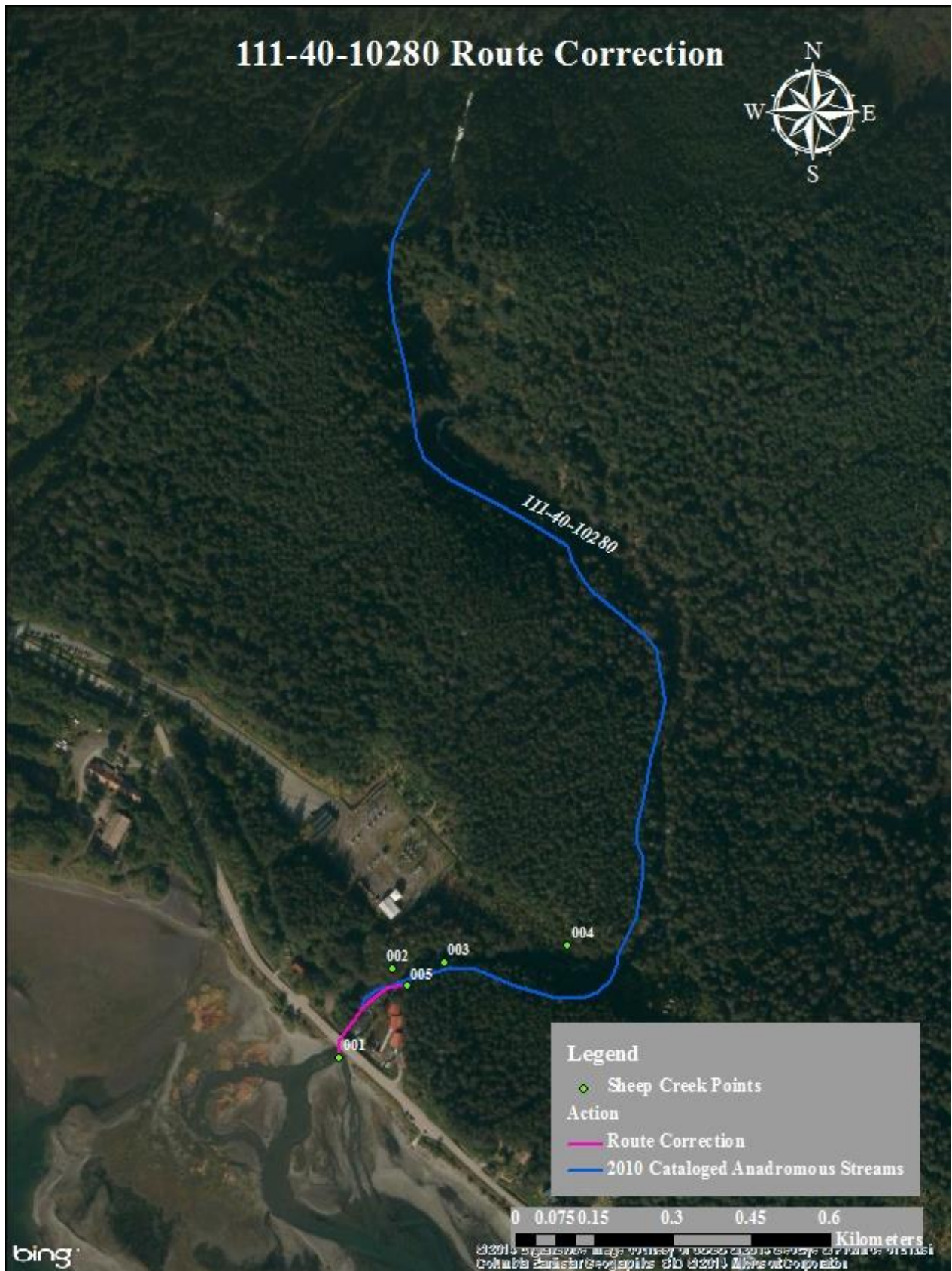


Figure 4.—111-40-10280 route correction map.

111-40-10910

CORRECTION

Water body name: Grant Creek

Survey date: 8/8/2017

Watershed: Mendenhall River-Frontal Gastineau Channel

Species & Lifestage: COp

MTR: C041S067 **Quad:** Juneau B-2

Findings: I visually observed a total of 11 chum salmon carcasses in and on the banks of the intertidal portion of the creek (Table 1, Figures 1, 2).

Recommendations: No documentation exists for anadromous fish observations in Grant Creek. ADF&G Habitat staff caught only resident fish species during sampling on 9/25/2006, 10/29/2015, and 9/29/16. Please update the stream course to reflect anadromous chum salmon observations (Figure 3).

Nomination: 17-583

Table 1.—111-40-10910 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|-----------------------------|---------------|----------------|
| 1 | 58.3042 | -134.4492 | Three chum salmon carcasses | VI | 3 CH |
| 2 | 58.3046 | -134.4490 | Eight chum salmon carcasses | VI | 8 CH |



Figure 1.—Chum salmon carcasses.



Figure 2.—Chum salmon carcasses downstream.

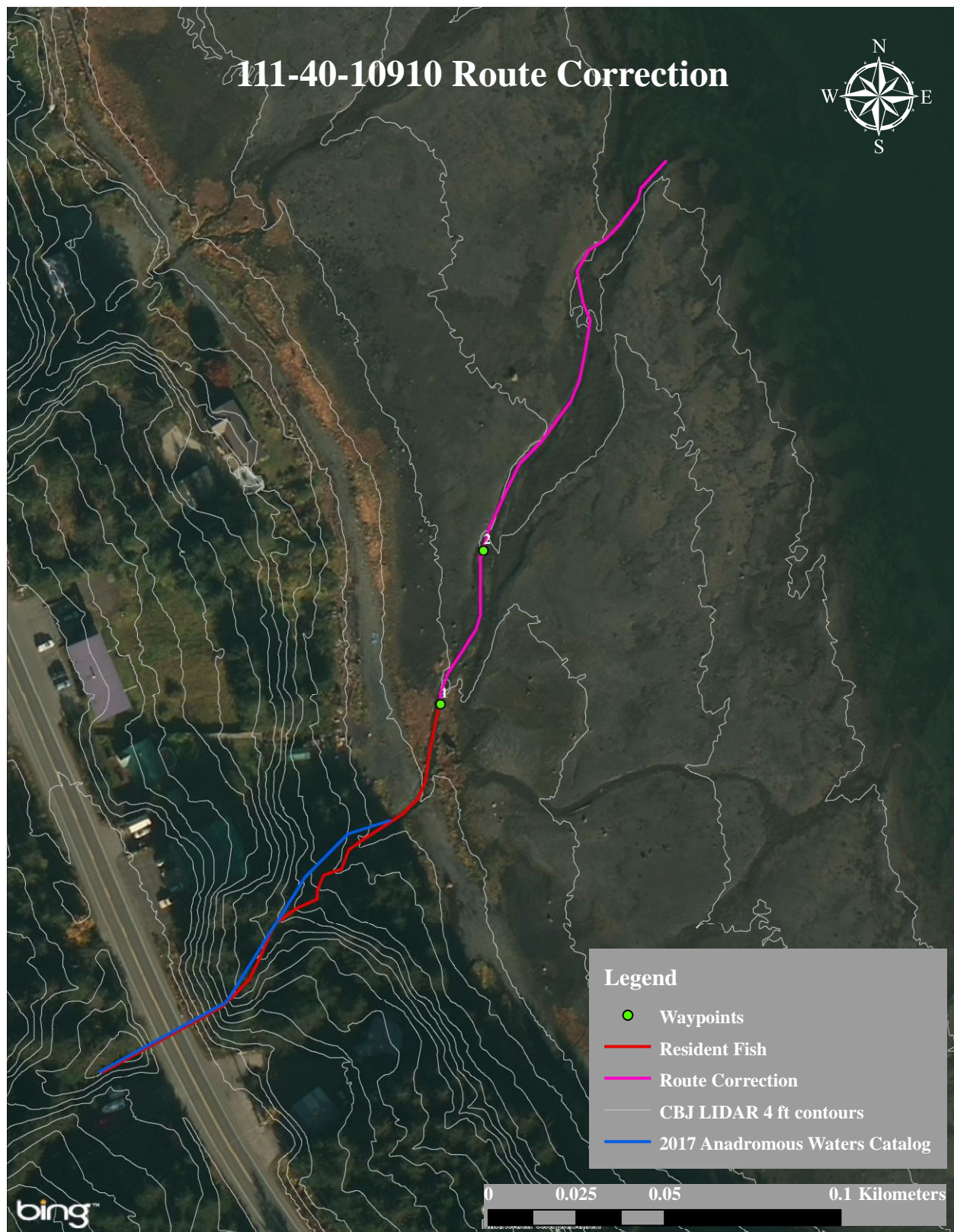


Figure 3.-111-40-10910 route correction map.

111-40-10910

CORRECTION

Water body name: Grant Creek

Survey date: 10/23/2015

Watershed: Mendenhall River-Frontal Gastineau Channel

Species & Lifestage: COp

MTR: C041S067E **Quad:** Juneau B-2

Findings: We sampled using a backpack electrofisher and a GPS. We captured one rearing Dolly Varden below the culvert and one above the culvert. We documented a barrier at the perched culvert under North Douglas highway.

Recommendations: Please remove the currently cataloged Grant Creek route as this is locally known as Little Grant Creek and needs investigation to prove anadromy. Please re-locate the field-verified stream as shown in Figure 1.

Nomination number: 16-505

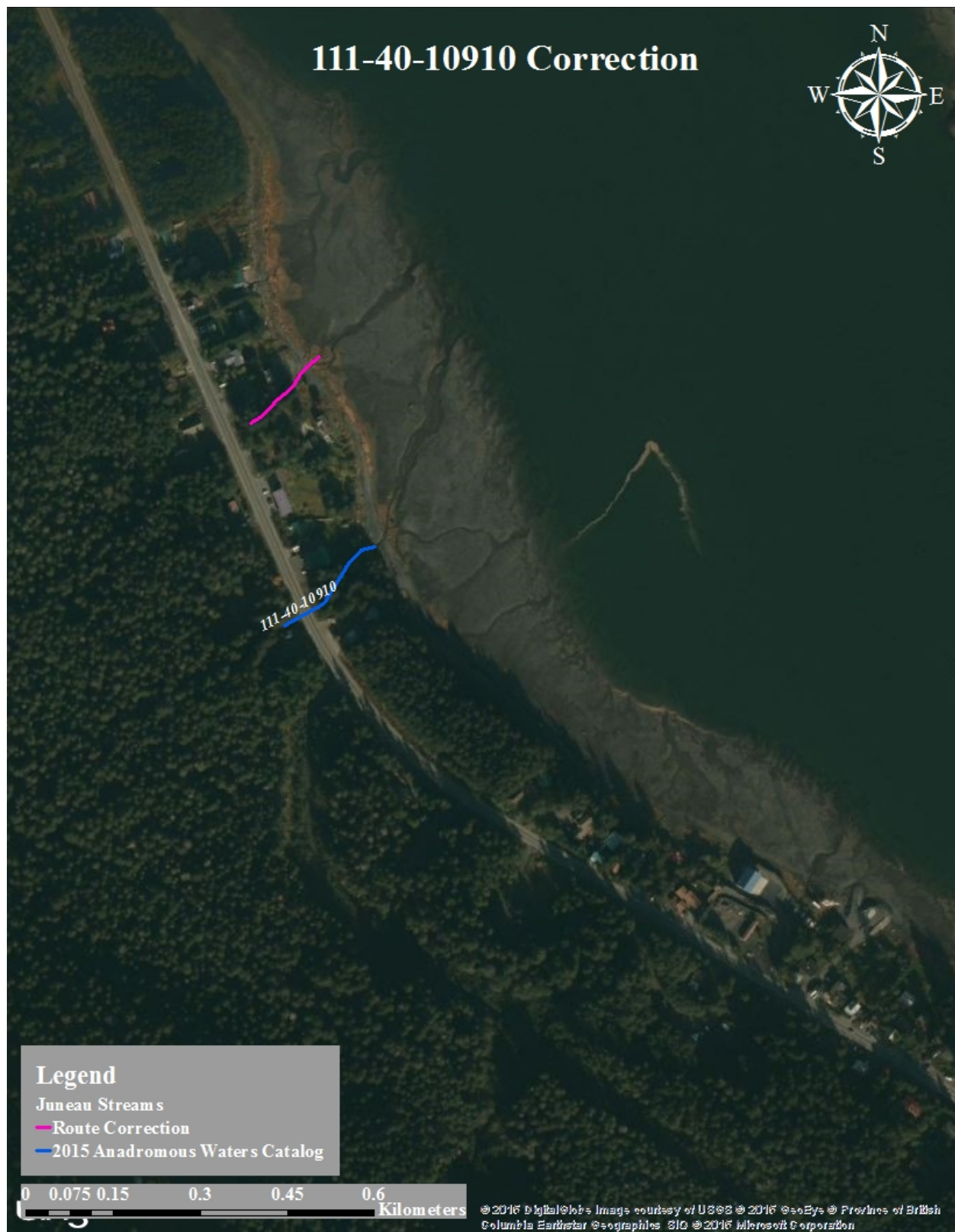


Figure 1.—111-40-10910 correction map.

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 crosses 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 | |



Figure 1.—Outlet of perched culvert.

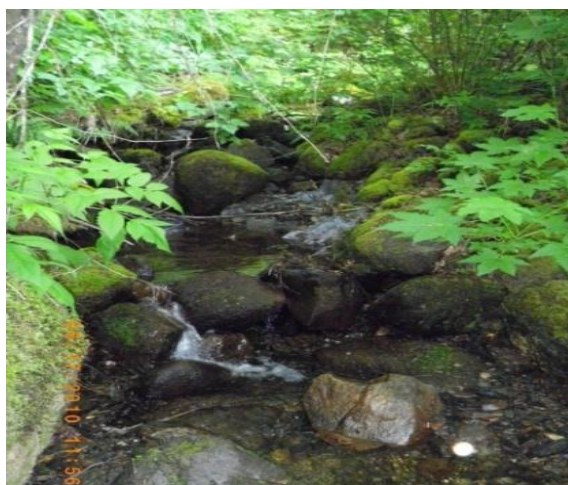


Figure 2.—Looking upstream toward road.



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 waddy 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.

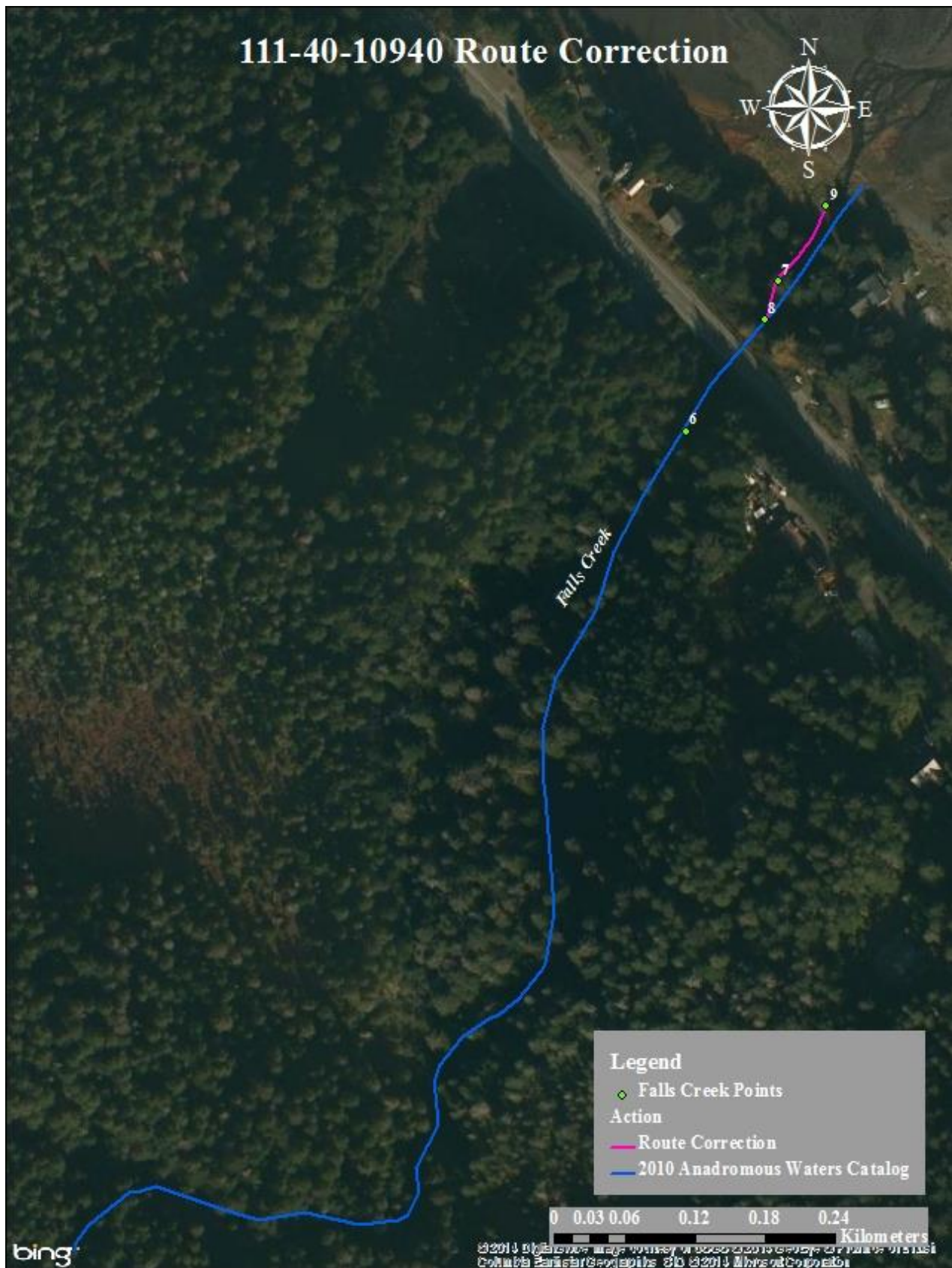


Figure 3.—111-40-10940 route correction map.

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.

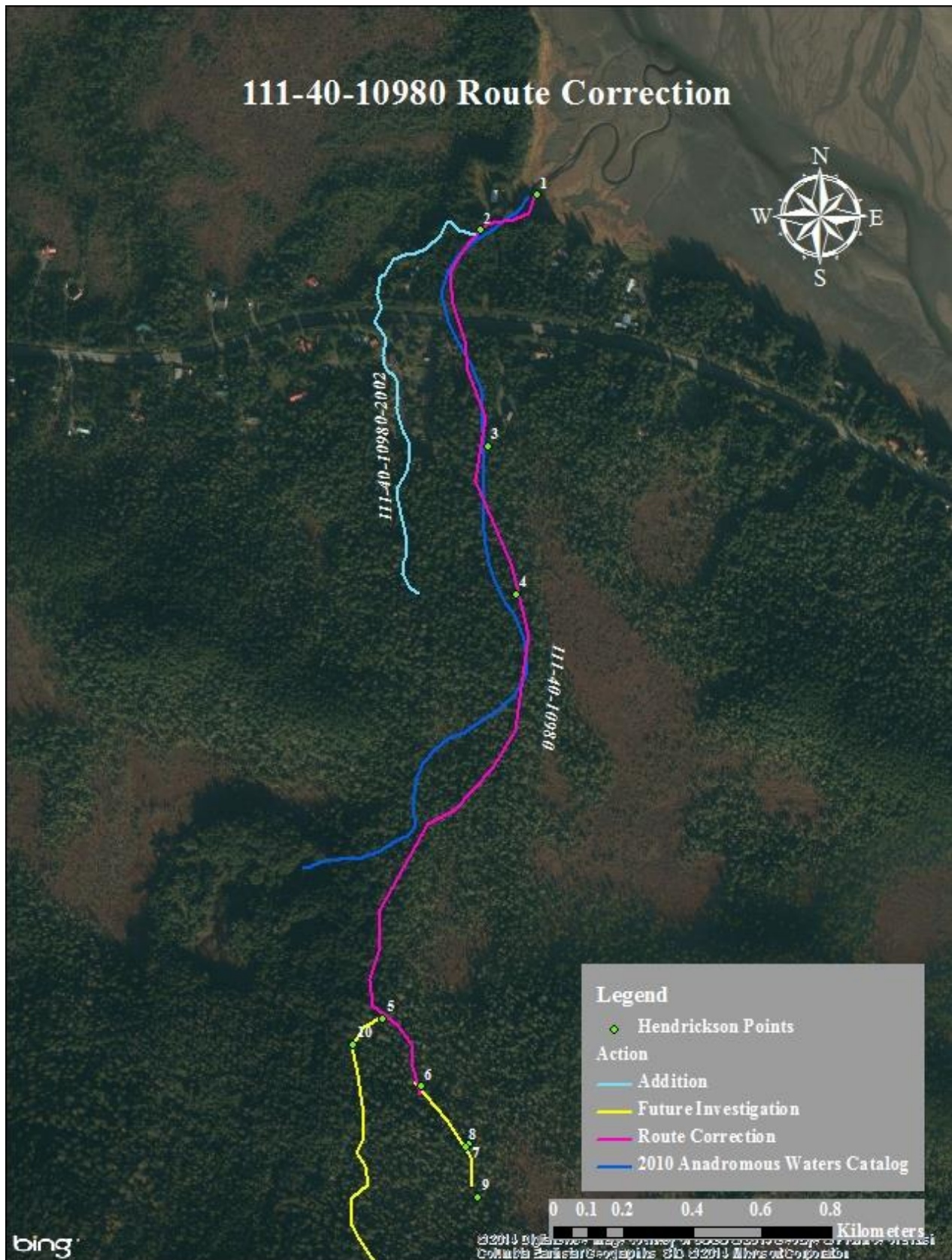


Figure 3.-111-40-10980 route correction map.

111-40-10980-2002**ADDITION****Water body name:****Survey date:** 5/28/2010**Water body number:** 111-40-10980-2002**Species & Lifestage:** CO**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 steepens 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.

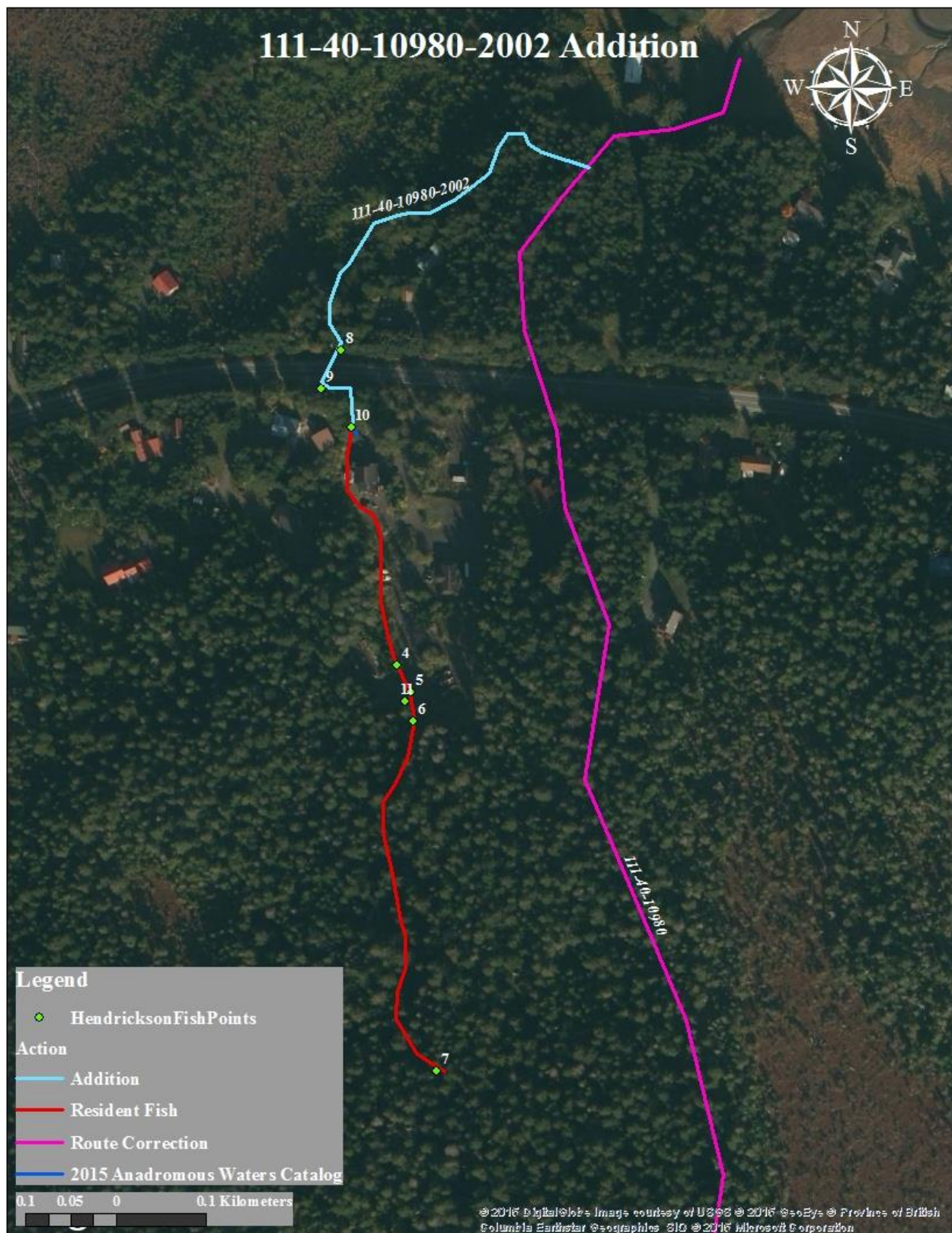


Figure 4.-111-40-10980-2002 addition map.

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 beaver 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. | VI | 2 LP |
| 260 | 58.1459 | -134.7285 | | VI | 7 LP |
| 83 | 58.1454 | -134.7286 | Near AWC extent. | EF | 1 RT |

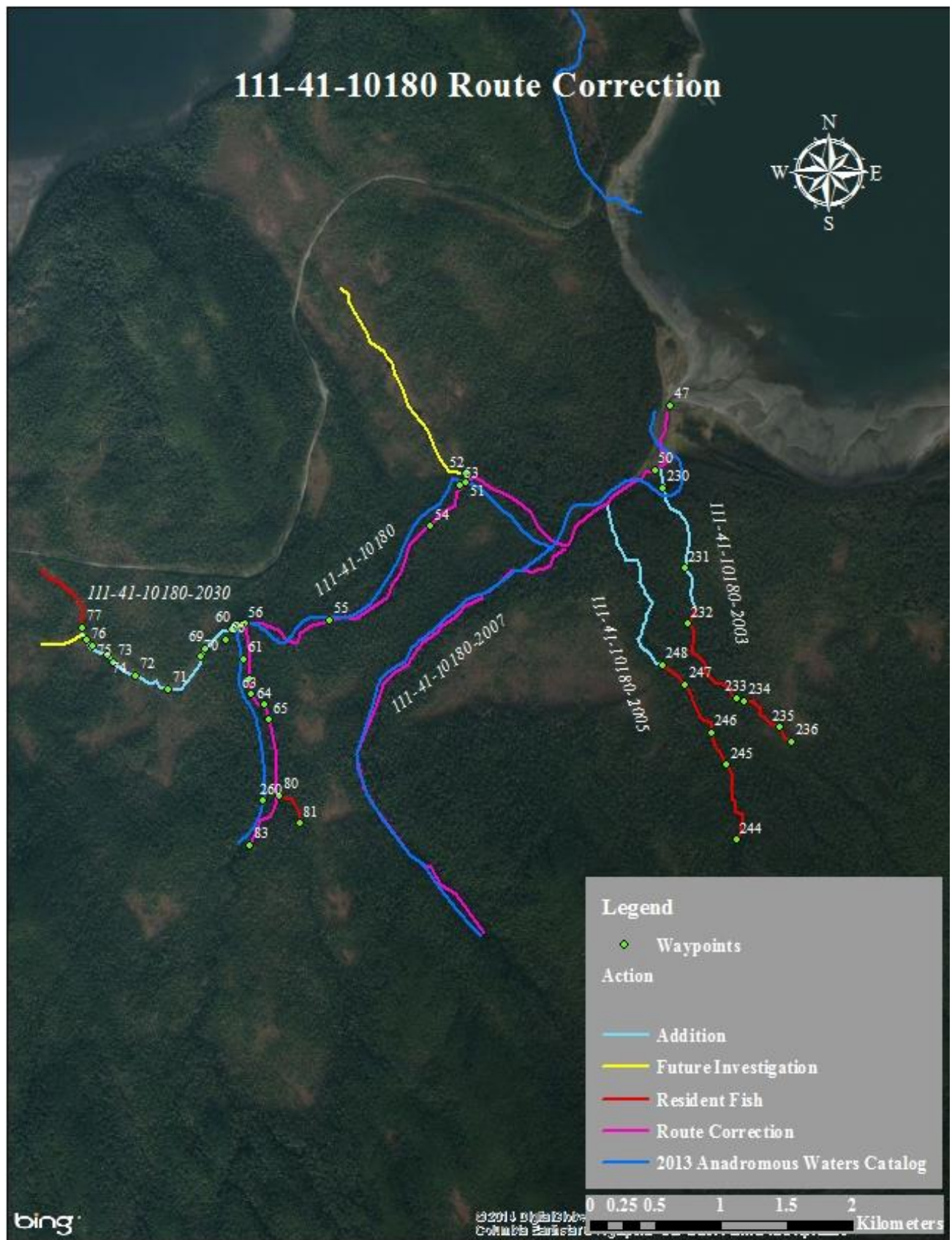


Figure 2.—111-41-10180 route correction map.

111-41-10180-2003

ADDITION

Water body name: Liza Creek

Survey date: 6/10/2013

Water body number 111-41-10180-2003

Species & Lifestage: CO

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 |

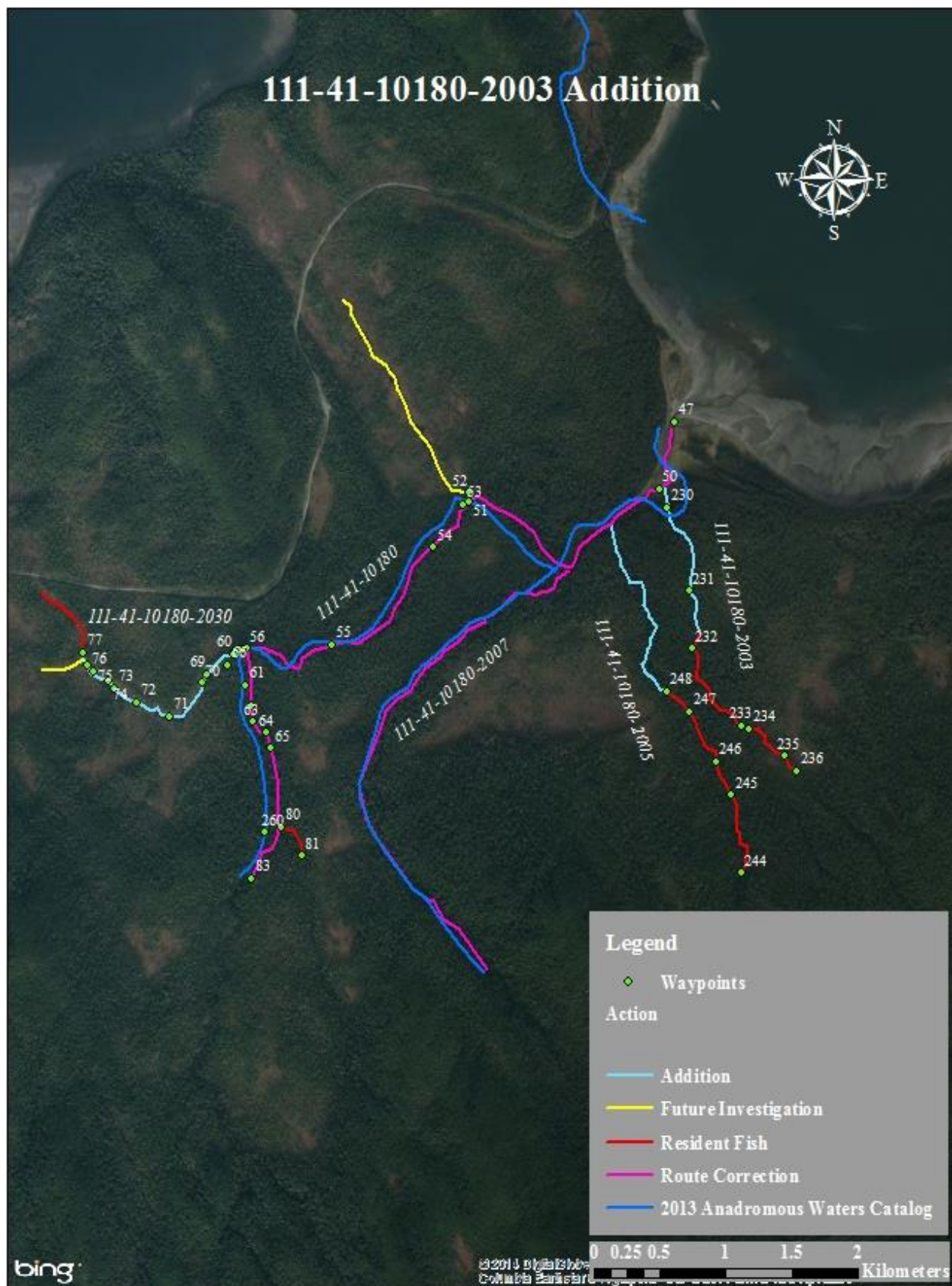


Figure 1.-111-41-10180-2003 addition map.

111-41-10180-2005**ADDITION****Water body name:** Annie Creek**Survey date:** 6/10/2013**Water body number:** 111-41-10180-2005**Species & Lifestage:** CO**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 |

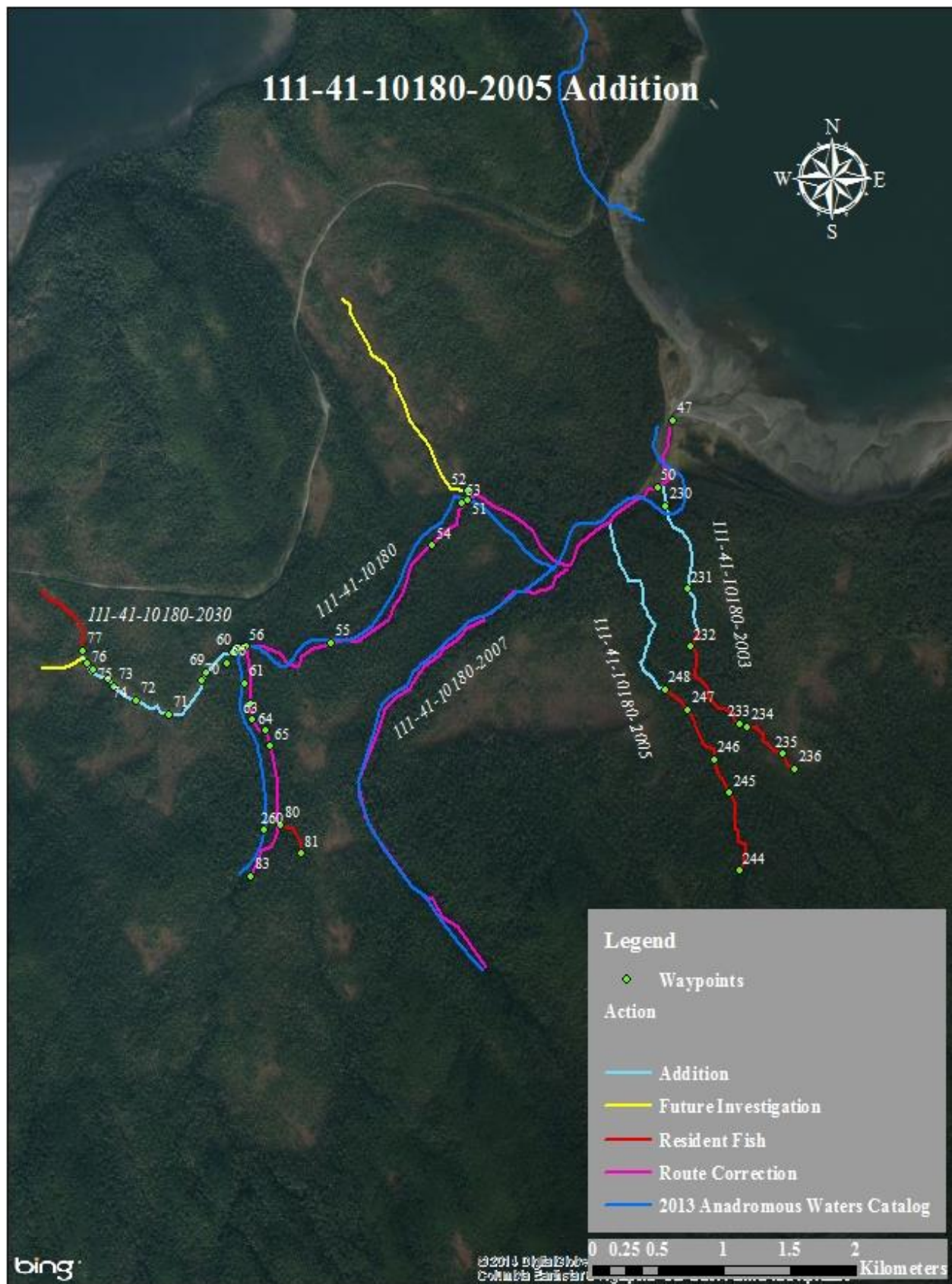


Figure 1.-111-41-10180-2005 addition map.

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 |

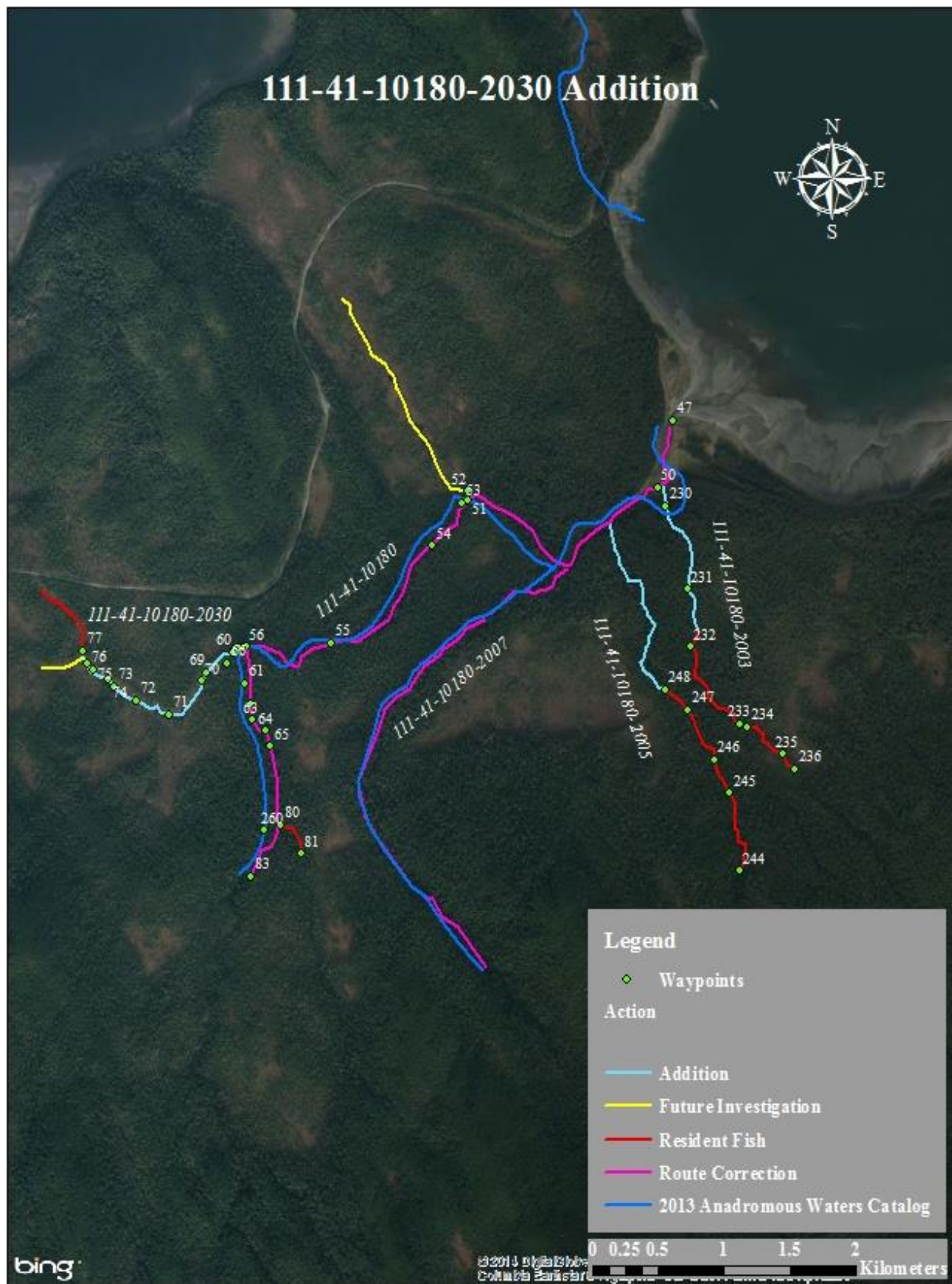


Figure 1.-111-41-10180-2030 addition map.

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.

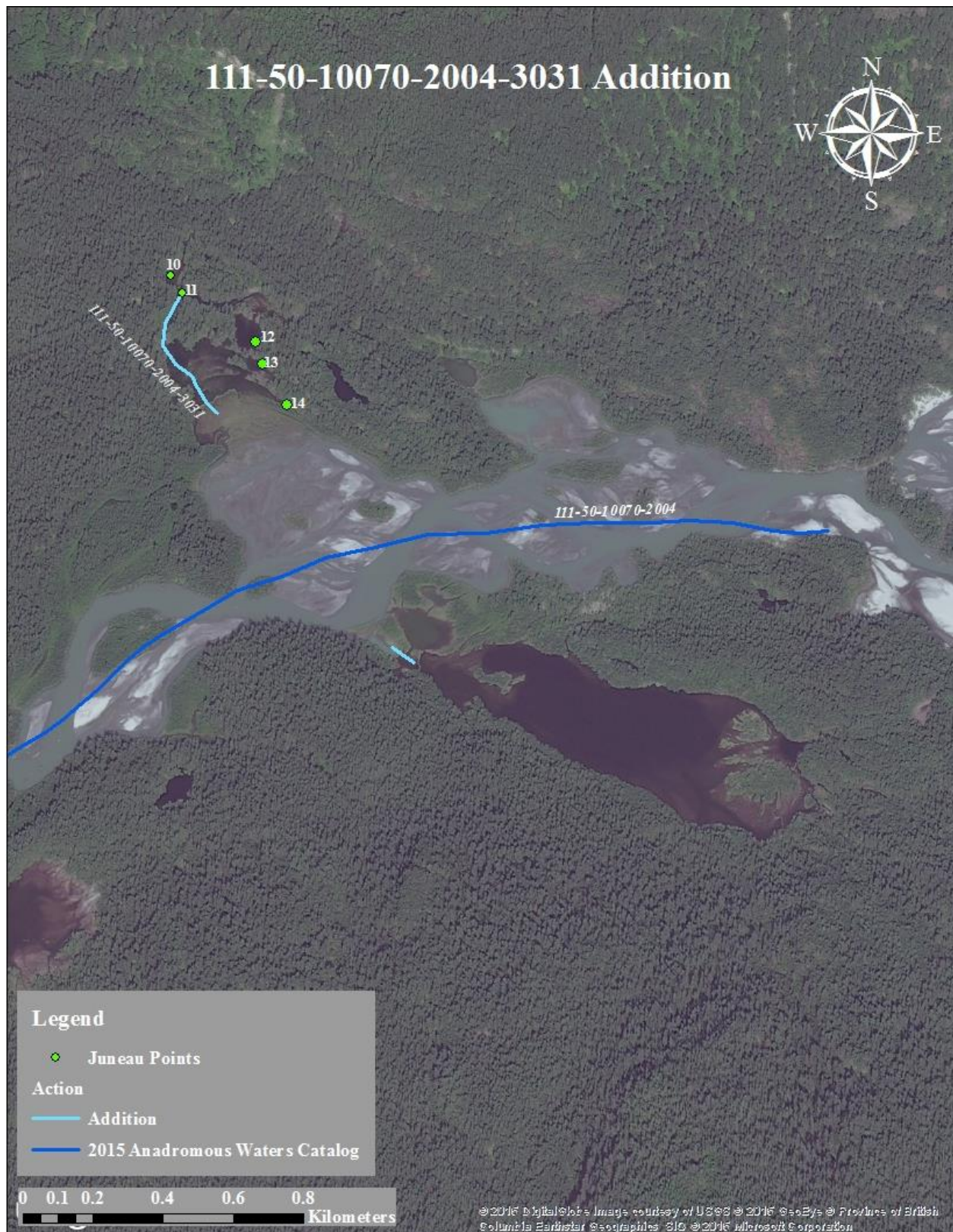


Figure 3.—111-50-10070-2004-3031 addition map.

Juneau

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:** CO**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/VI | 1 CO |
| 7 | 58.5125 | -134.7384 | Many CO visually identified. | VI | CO |
| 8 | 58.5125 | -134.7381 | Stream opens into large grassy meadow, many CO, no defined channel. | VI | CO |
| 9 | 58.5128 | -134.7370 | Netted 3 CO, visual on many more. | HN/VI | 3 CO |
| 10 | 58.5131 | -134.7367 | End of CO on this side of channel. | | |
| 12 | 58.5128 | -134.7359 | Large CO. | VI | 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 |

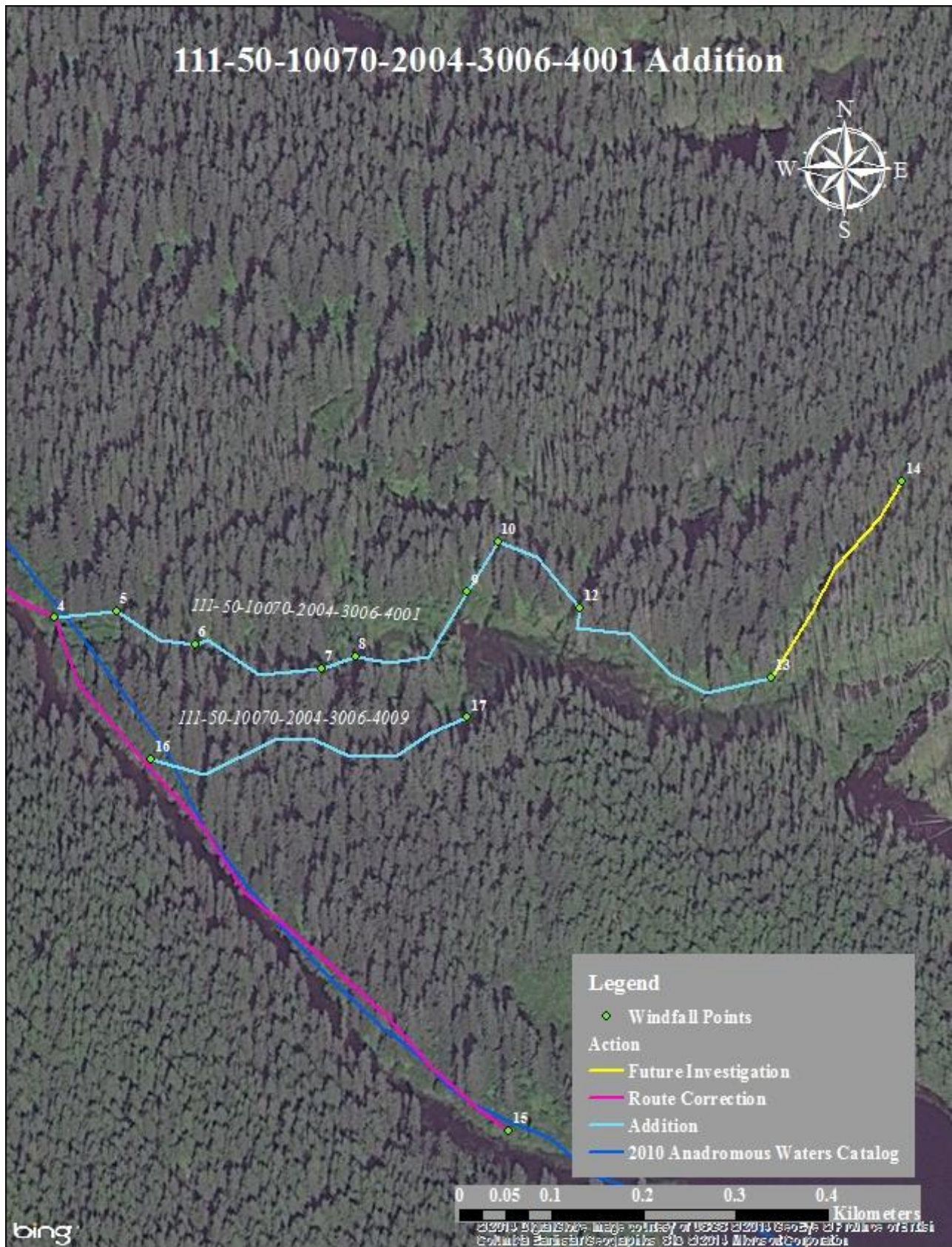


Figure 1.—111-50-10070-2004-3006-4001 addition map.

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: CO

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. | VI | CO |



Figure 1.—Windfall tributary.



Figure 2.—Mouth of tributary.



Figure 3.—CO captured in tributary.



Figure 4.—CO captured in tributary.

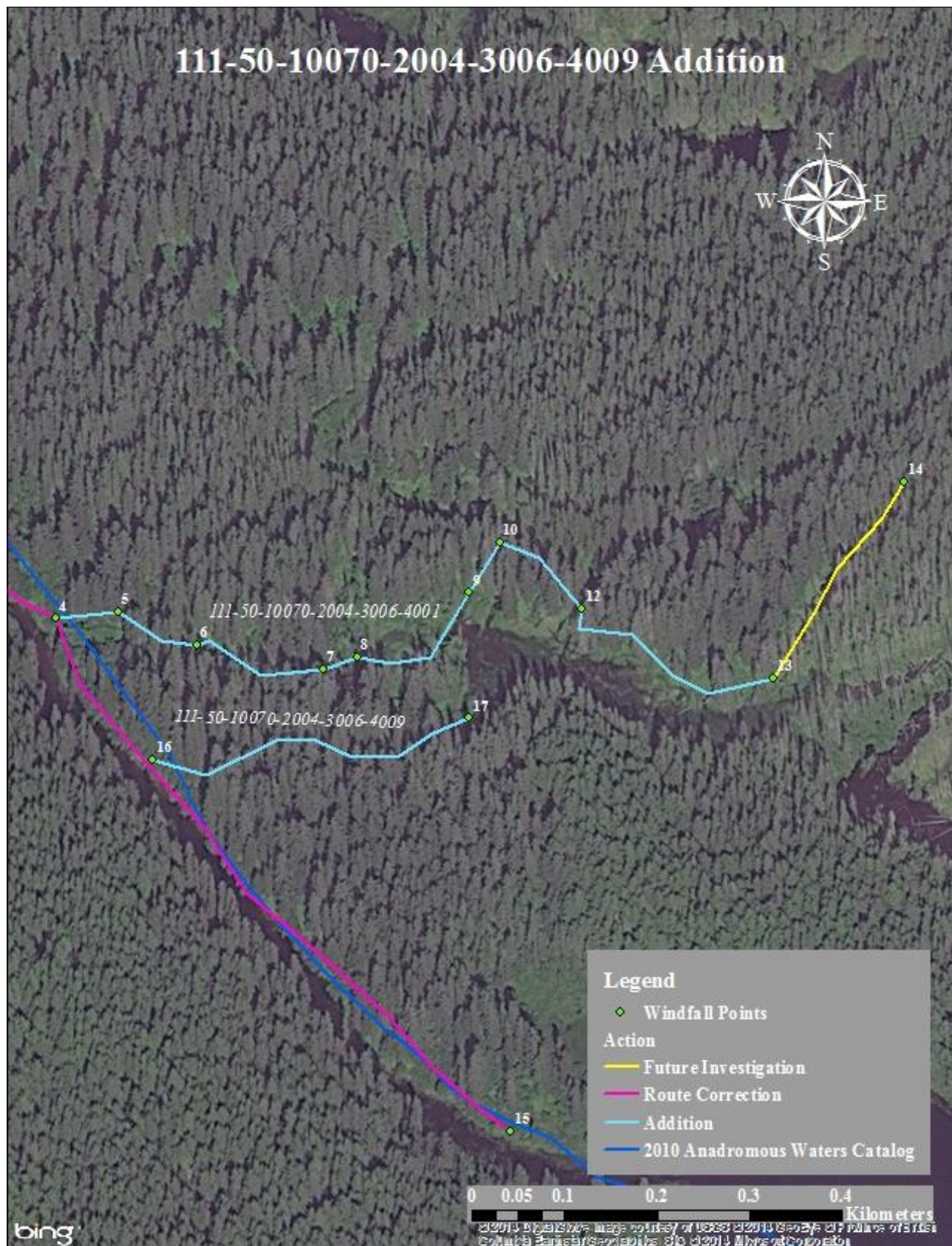


Figure 5.—111-50-10070-2004-3006-4009 addition map.

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. | VI 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. | | |

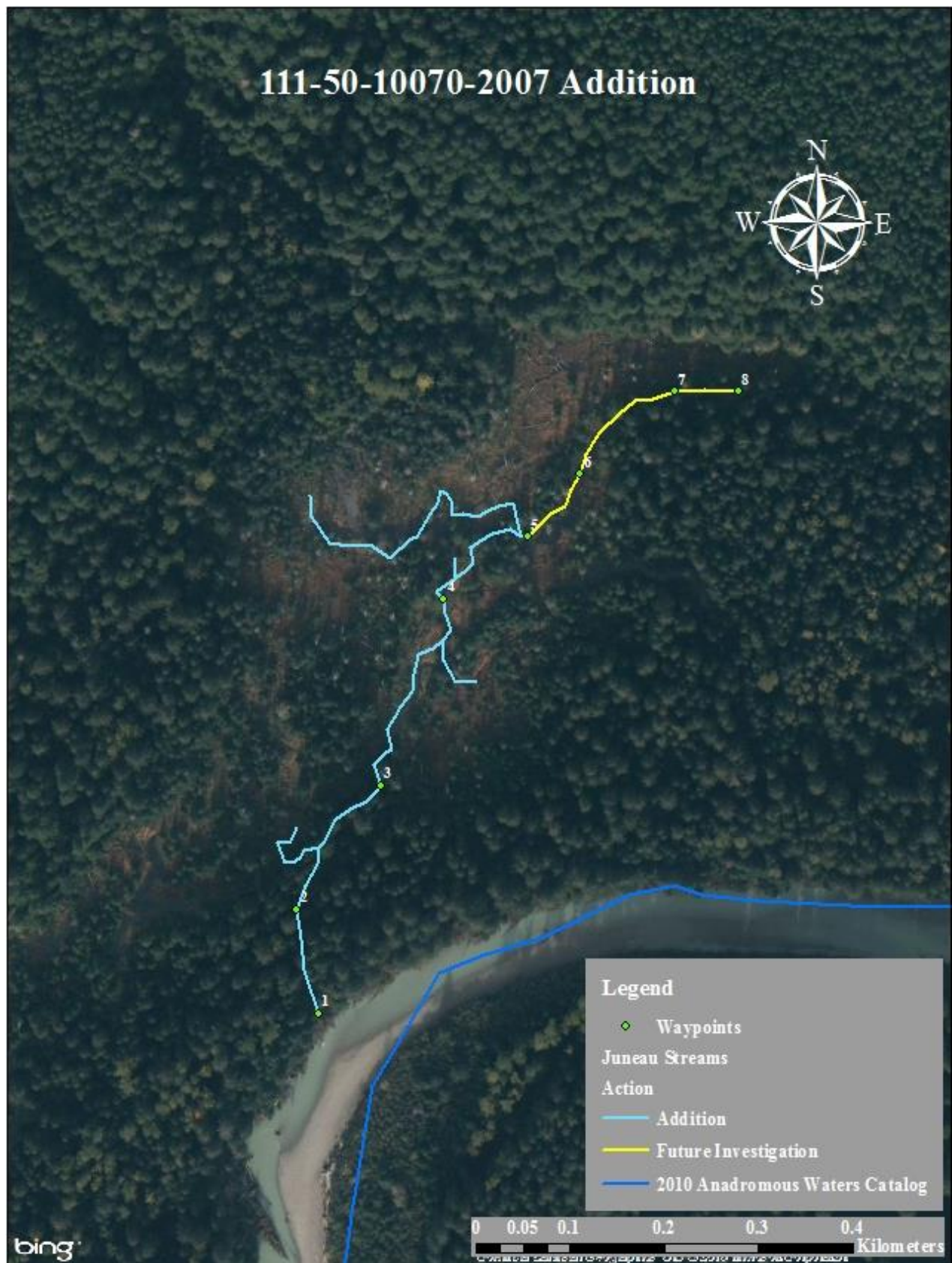


Figure 1.-111-50-10070-2007 addition map.

Juneau

111-50-10070-2007-3005**ADDITION****Water body name:****Survey date:** 8/4/2010**Water body number:** 111-50-10070-2007-3005**Species & Lifestage:** CO**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 tributary. | | |
| 2 | 58.5345 | -134.8030 | Set a minnow trap. Captured 3 CO between 60-80mm. | MT | 3 CO |

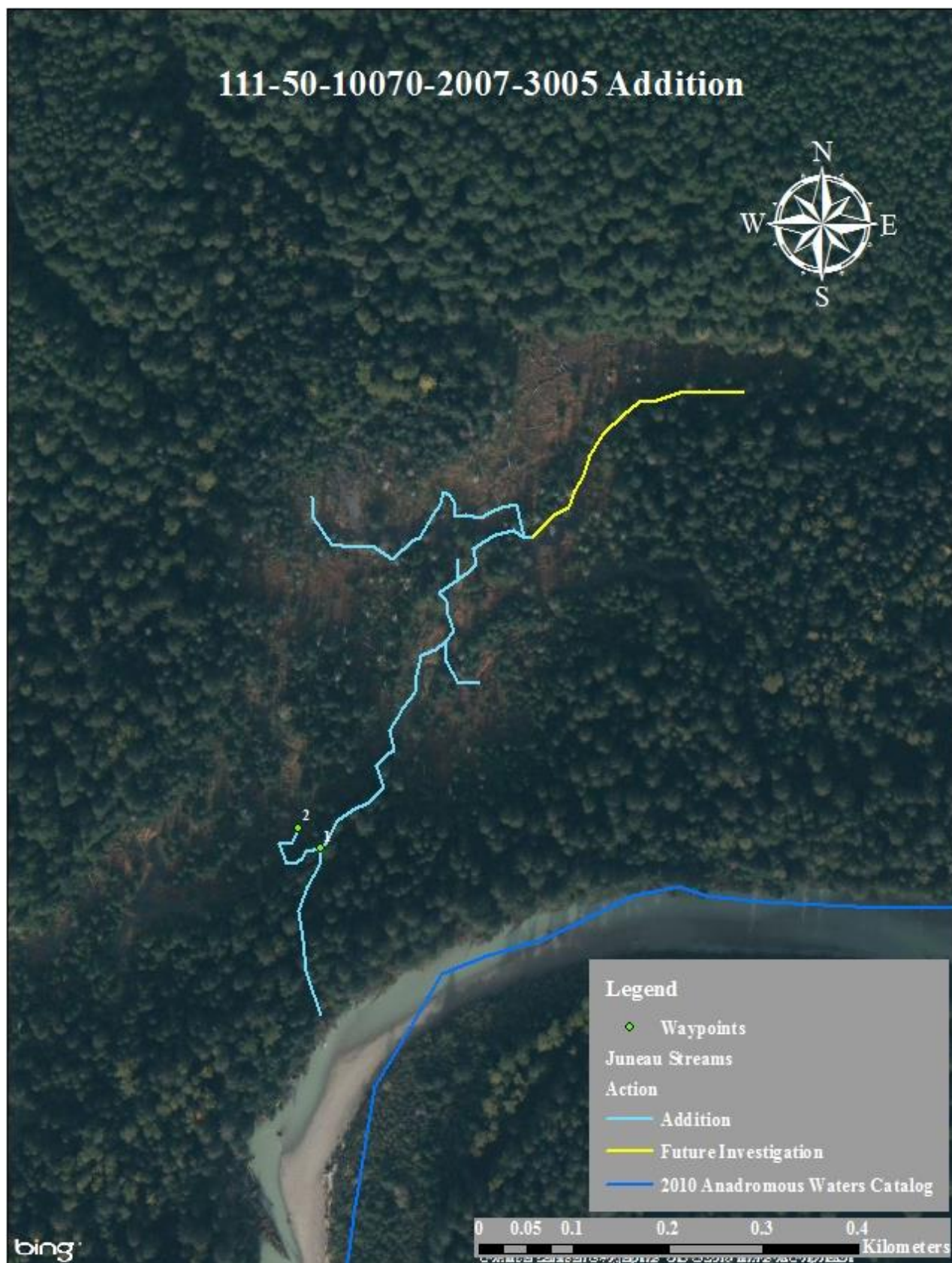


Figure 1.-111-50-10070-2007-3005 addition map.

Juneau

111-50-10070-2007-3012**ADDITION****Water body name:****Survey date:** 8/4/2010**Water body number:** 111-50-10070-2007-3012**Species & Lifestage:** CO**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 tributary 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 |

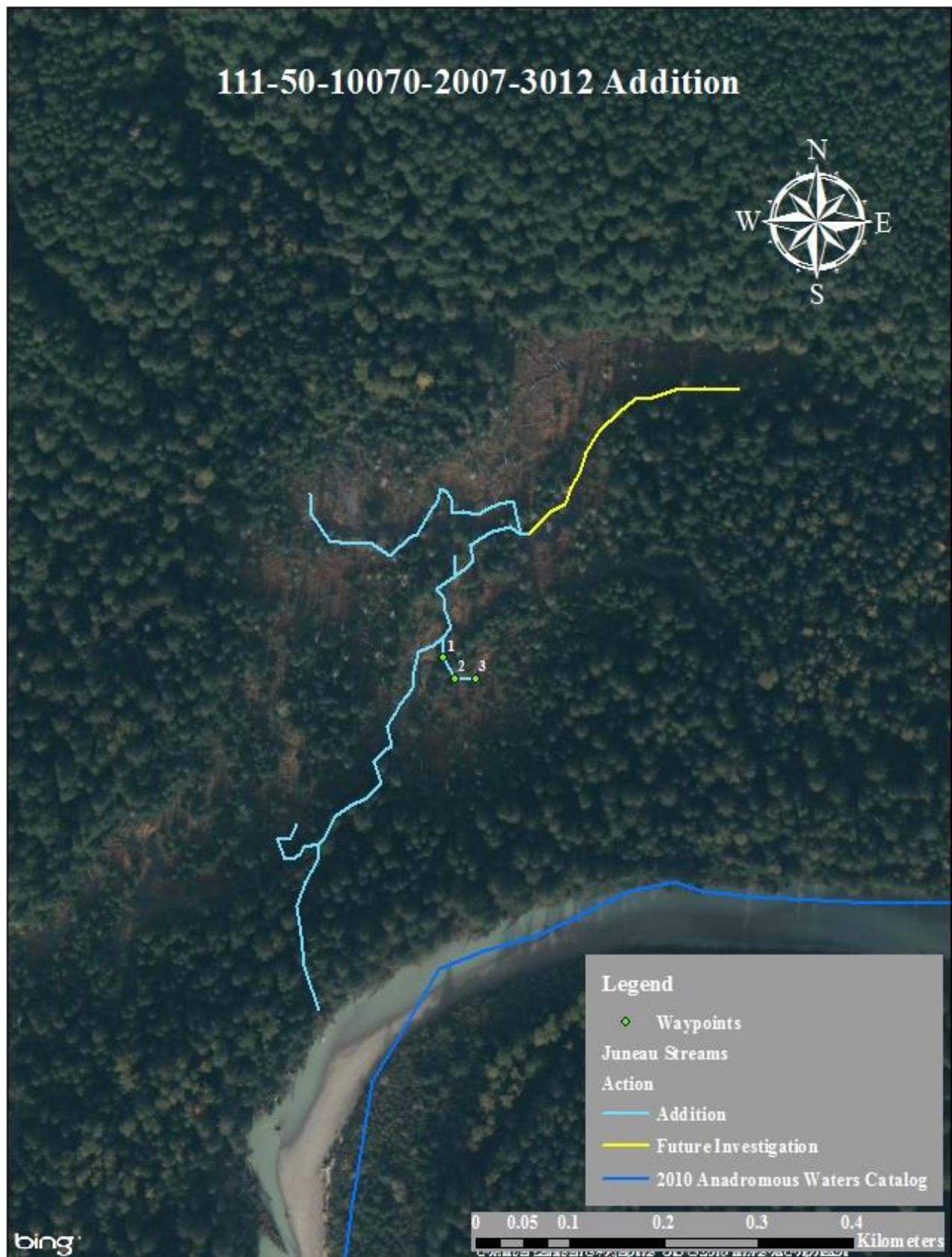


Figure 1.-111-50-10070-2007-3012 addition map.

Juneau

111-50-10070-2007-3015**ADDITION****Water body name:****Survey date:** 8/4/2010**Water body number:** 111-50-10070-2007-3015**Species & Lifestage:** CO**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 |

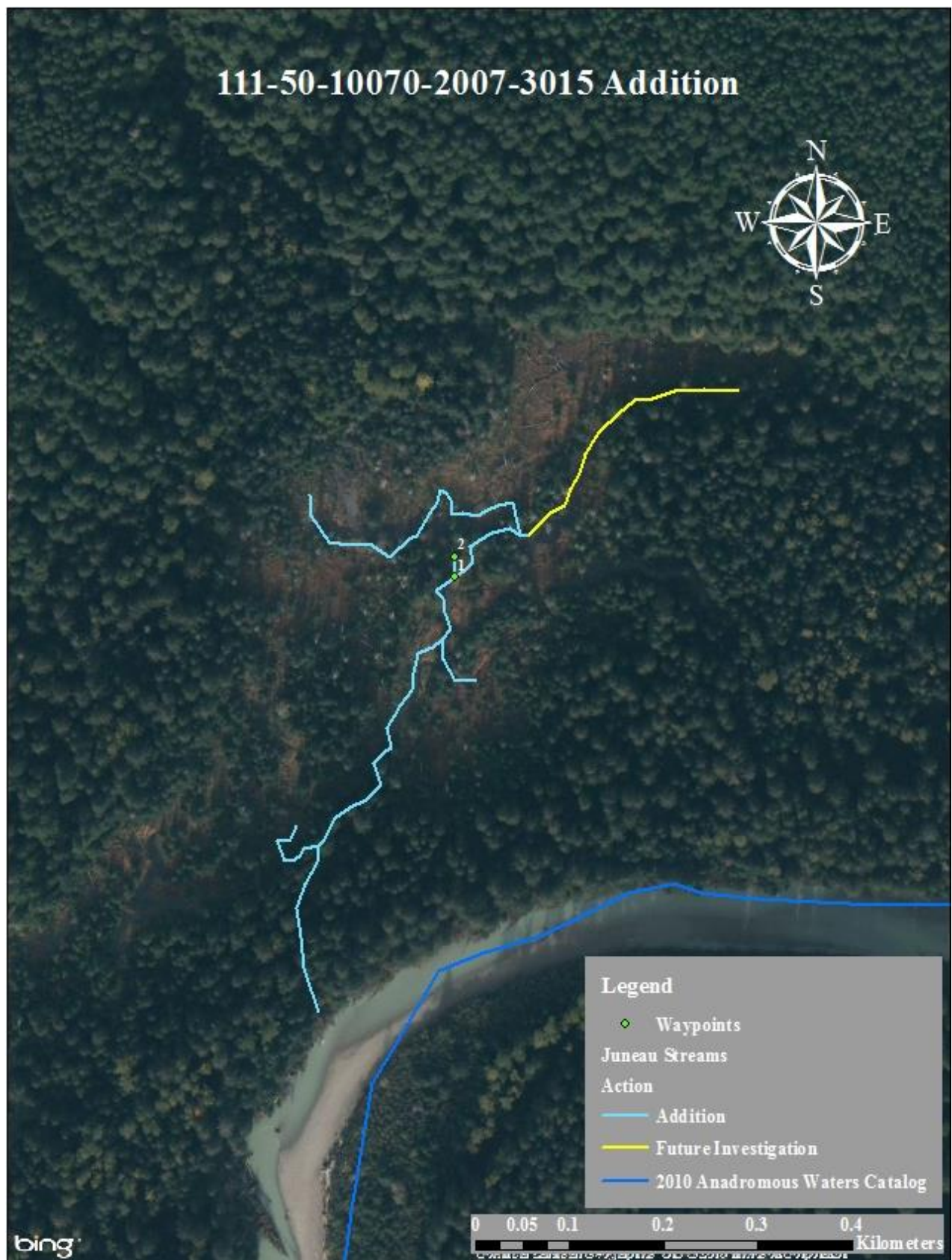


Figure 1.—111-50-10070-2007-3015 addition map.

Juneau

111-50-10070-2007-3017**ADDITION****Water body name:****Survey date:** 9/27/2014**Water body number:** 111-50-10070-2007-3017**Species & Lifestage:** CO_r, DV_r**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 tributary. | | |
| 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 |

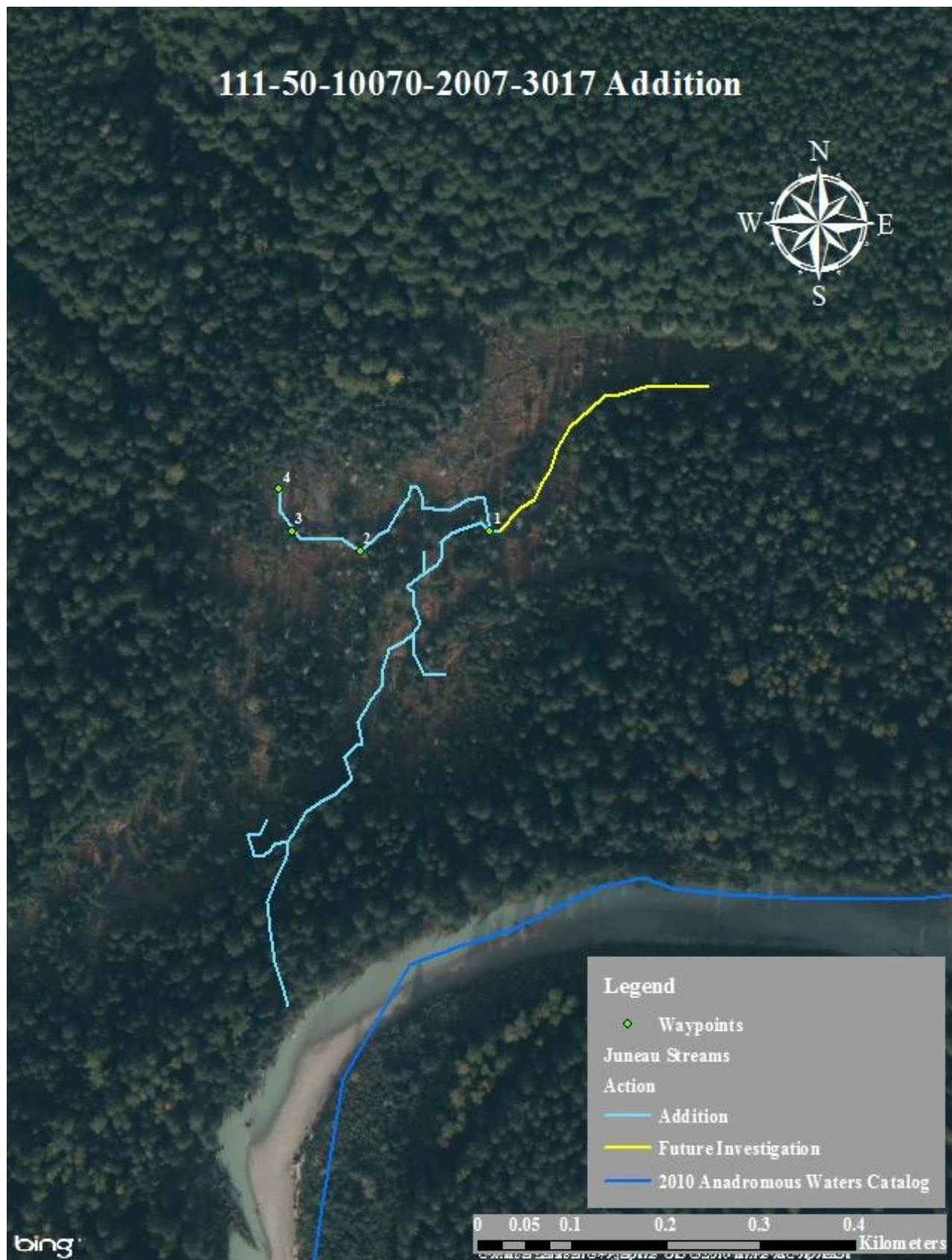


Figure 1.—111-50-10070-2007-3017 addition map.

Juneau

111-50-10100-2035-3010**CORRECTION****Water body name:****Survey date:** 11/30/2016**Watershed:** Admiralty Island-Frontal Lynn Canal**Species & Lifestage:** CO**MTR:** C039S064E **Quad:** Juneau B-3

Findings: We surveyed this stream beginning at its intersection with the road (Table 1; Figure 1) using an electrofisher and a GPS and found coho salmon (Figure 2). The stream was covered in ice at several points, making it difficult to fish. We ended the survey where the stream empties a wetland and ceased to have a defined channel (Figure 3).

Recommendations: Extend stream No. 111-50-10100-2035-3010 in the Anadromous Waters Catalog. Investigate upper reaches of the stream at a later date, when ice and snow are not present (Figure 4).

Nomination: 17-521

Table 1.–111-50-10100-2035-3010 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 812 | 58.4980 | -134.7807 | Start survey at culvert. Pond upstream of culvert is too large to fish. | - | - |
| 813 | 58.4983 | -134.7804 | Confluence at pond too large to fish, covered in ice. Proceed RL. | - | - |
| 814 | 58.4980 | -134.7796 | Small trib. RR. Proceeding up. | EF | No fish |
| 815 | 58.4980 | -134.7795 | Stream goes subsurface. Gradient >25% for 50 ft. End survey. | EF | No fish |
| 816 | 58.4979 | -134.7795 | Back on main channel. | EF | No fish |
| 817 | 58.4976 | -134.7789 | Small seep on RR not worth investigation. | EF | No fish |
| 818 | 58.4975 | -134.7788 | | EF | 1 CO |
| 819 | 58.4971 | -134.7780 | Trib. On RR. Proceeding up. | EF | No fish |
| 820 | 58.4972 | -134.7779 | 25% grade for 55 ft. This is a barrier. End survey. | EF | No fish |
| 821 | 58.4971 | -134.7780 | Back on main channel. | EF | No fish |
| 822 | 58.4969 | -134.7777 | Seep on RR not worth investigation. Upstream, stream is covered in ice. | - | - |
| 823 | 58.4966 | -134.7770 | Stream mostly iced over, making it difficult to fish. | - | - |
| 824 | 58.4961 | -134.7759 | Confluence. Proceed up RR. | EF | No fish |
| 825 | 58.4963 | -134.7759 | Trib. Goes sub-surface. Gradient barrier. End survey. | EF | No fish |
| 826 | 58.4961 | -134.7759 | Back on main channel. Stream ceases to have defined channel and is fed by multiple seeps. End survey. | EF | No fish |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 827 | 58.4984 | -134.7807 | RR from confluence. | EF | 1 CO |
| 828 | 58.4986 | -134.7810 | | EF | No fish |
| 829 | 58.4988 | -134.7812 | No fish to this point. | EF | No fish |
| 830 | 58.4990 | -134.7816 | | EF | 1 CO |
| 831 | 58.4991 | -134.7816 | Stream empties boggy wetland. No defined channel. | EF | No fish |
| 832 | 58.4993 | -134.7819 | Stream ceases to have a defined channel. End survey. This area is worth future investigation when ice is not present and water is higher. | EF | No fish |



Figure 1.–Culvert at survey start.



Figure 2.—Coho salmon captured at waypoint 830.



Figure 3.—End survey. Near the road the stream empties a wetland and ceased to have a defined channel.

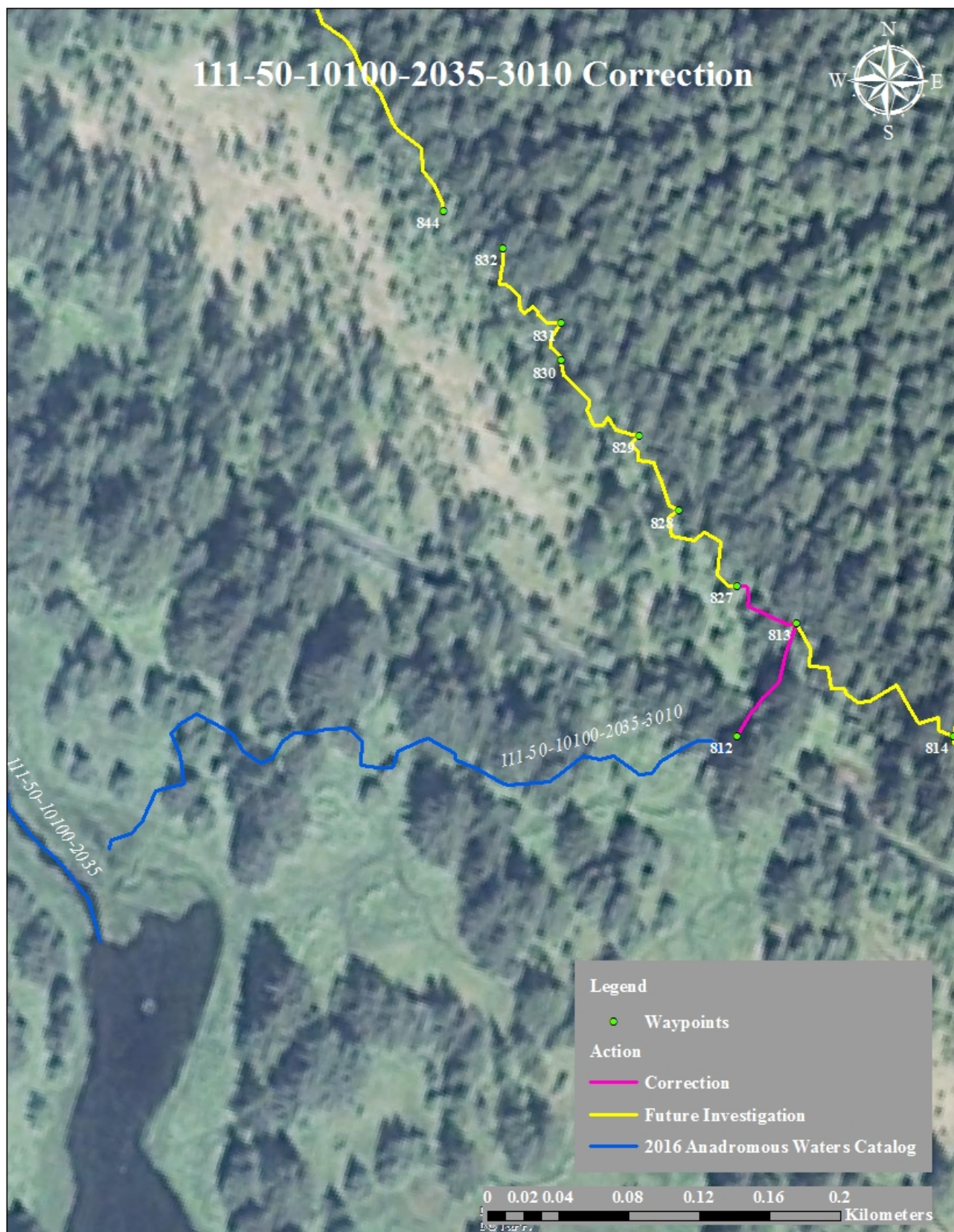


Figure 4.—111-50-10100-2035-3010 correction map.

111-50-10100-2035-3014**ADDITION****Water body name:****Survey date:** 11/30/2016**Watershed:** Admiralty Island-Frontal Lynn Canal**Species & Lifestage:** CO**MTR:** C039S064E **Quad:** Juneau B-3

Findings: We surveyed this stream using an electrofisher and a GPS and found coho salmon and stickleback (Table 1; Figure 1). The stream is incised and less than 12 inches wide as it crosses the meadow (Figure 2). We ended the survey where the stream channel became undefined.

Recommendations: Add stream between waypoints 833 and 855 to the Anadromous Waters Catalog (Figure 3).

Nomination: 17-522

Table 1.–111-50-10100-2035-3014 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 833 | 58.4987 | -134.7854 | Start survey. Small stream 200 yards away from Eagle Valley Center. | EF | No fish |
| 834 | 58.4990 | -134.7852 | Stream goes under road. | EF | 2 CO |
| 835 | 58.4990 | -134.7851 | Small seep on RL, not worth investigation. | EF/VI | 1 CO |
| 836 | 58.4991 | -134.7854 | | EF | 1 CO |
| 837 | 58.4993 | -134.7855 | | HN | 1 CO |
| 838 | 58.4996 | -134.7852 | | EF | 1 CO |
| 839 | 58.5001 | -134.7849 | Confluence, proceeding up RL. | EF | No fish |
| 840 | 58.5001 | -134.7848 | | EF | 3 CO |
| 841 | 58.5002 | -134.7844 | | EF | 1 CO |
| 842 | 58.5000 | -134.7839 | Stream becomes incised, enters meadow. < 12 inches wide. | EF | No fish |
| 843 | 58.5000 | -134.7835 | | VI | 1 CO |
| 844 | 58.4994 | -134.7822 | Stream ceases to have channel, drains bog. No longer able to fish. End survey. | - | - |
| 845 | 58.5001 | -134.7849 | Back at confluence of main channel, proceeding up RR. | EF | No fish |
| 846 | 58.5002 | -134.7849 | Confluence, proceeding up RL. | EF | No fish |
| 847 | 58.5003 | -134.7840 | | EF | 2 CO |
| 848 | 58.5005 | -134.7835 | Stream drains bog and has no defined channel. End survey. | - | - |
| 849 | 58.5002 | -134.7849 | Back at confluence of waypoint 846. Proceeding up RR trib. Stream is filled with ice. | - | - |
| 850 | 58.5007 | -134.7846 | | EF | 1 CO, 1 SB |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 851 | 58.5009 | -134.7847 | Trib. on RR not worth investigation. | EF | 1 CO |
| 852 | 58.5010 | -134.7852 | | EF/VI | 1 CO/2CO |
| 853 | 58.5013 | -134.7857 | Trib. on RL, not worth investigation. | EF | No fish |
| 854 | 58.5016 | -134.7859 | Stream greatly reduces in size. | VI | 3 CO |
| 855 | 58.5019 | -134.7861 | Stream hits hillside and drains bog, channel becomes undefined. End survey. | VI | 2 CO |



Figure 1.–Coho captured at waypoint 838.



Figure 2.–Stream is incised and less than 12 inches wide.

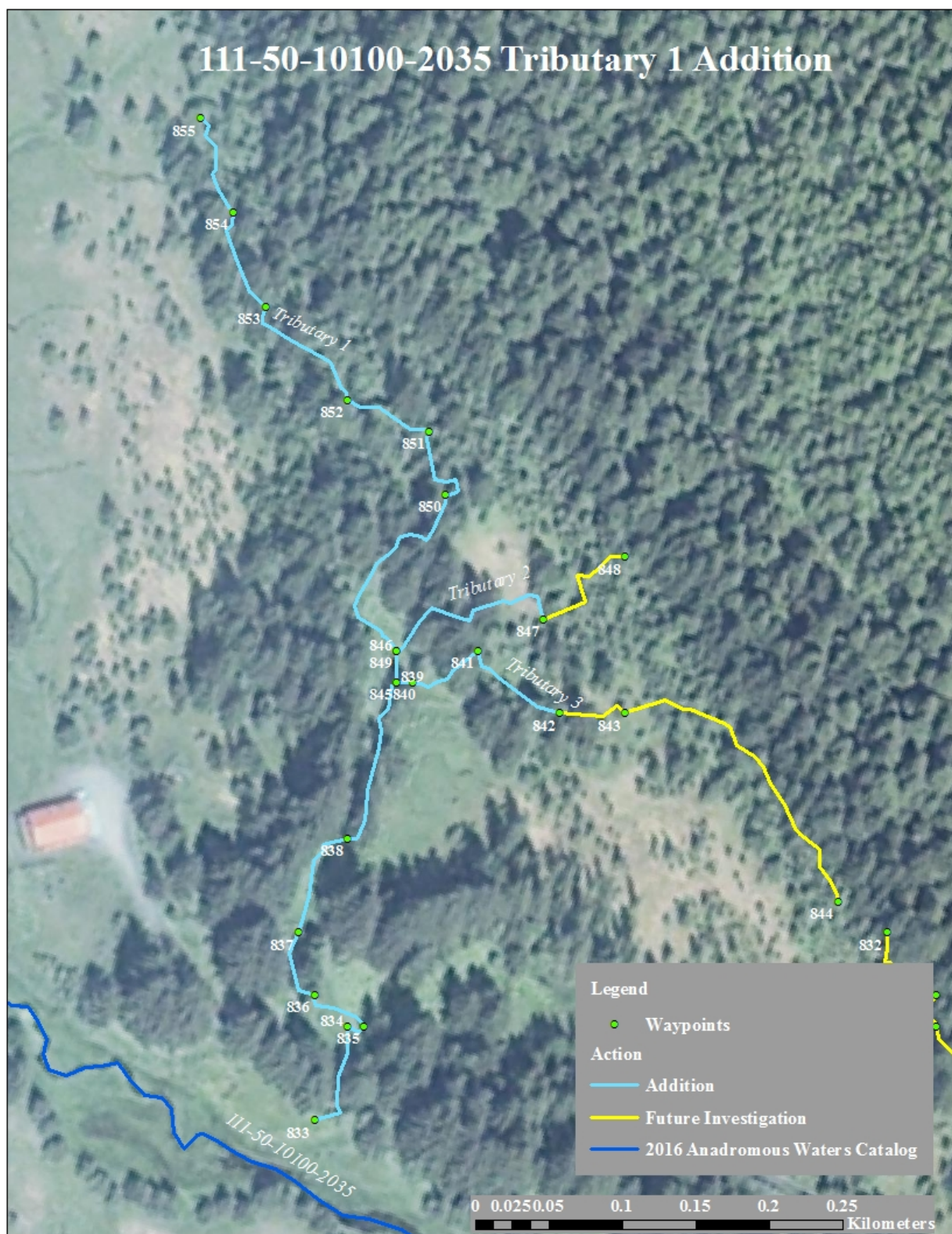


Figure 3.—111-50-10100-2035-3014 (tributary 1) addition map.

111-50-10100-2035-3014-4020**ADDITION****Water body name:****Survey date:** 11/30/2016**Watershed:** Admiralty Island-Frontal Lynn Canal**Species & Lifestage:** COr**MTR:** C039S064E **Quad:** Juneau B-3**Findings:** We surveyed this stream using an electrofisher and a GPS and found coho salmon (Table 1; Figure 1).**Recommendations:** Add stream between waypoints 846 and 847 to the Anadromous Waters Catalog (Figure 2). Investigate the upper reaches of the stream at a later date.**Nomination:** 17-523

Table 1.–111-50-10100-2035-3014-4020 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 833 | 58.4987 | -134.7854 | Start survey. Small stream 200 yards away from Eagle Valley Center. | EF | No fish |
| 834 | 58.4990 | -134.7852 | Stream goes under road. | EF | 2 CO |
| 835 | 58.4990 | -134.7851 | Small seep on RL, not worth investigation. | EF/VI | 1 CO |
| 836 | 58.4991 | -134.7854 | | EF | 1 CO |
| 837 | 58.4993 | -134.7855 | | HN | 1 CO |
| 838 | 58.4996 | -134.7852 | | EF | 1 CO |
| 839 | 58.5001 | -134.7849 | Confluence, proceeding up RL. | EF | No fish |
| 840 | 58.5001 | -134.7848 | | EF | 3 CO |
| 841 | 58.5002 | -134.7844 | | EF | 1 CO |
| 842 | 58.5000 | -134.7839 | Stream becomes incised, enters meadow. < 12 inches wide. | EF | No fish |
| 843 | 58.5000 | -134.7835 | | VI | 1 CO |
| 844 | 58.4994 | -134.7822 | Stream ceases to have channel, drains bog. No longer able to fish. End survey. | - | - |
| 845 | 58.5001 | -134.7849 | Back at confluence of main channel, proceeding up RR. | EF | No fish |
| 846 | 58.5002 | -134.7849 | Confluence, proceeding up RL. | EF | No fish |
| 847 | 58.5003 | -134.7840 | | EF | 2 CO |
| 848 | 58.5005 | -134.7835 | Stream drains bog and has no defined channel. End survey. | - | - |
| 849 | 58.5002 | -134.7849 | Back at confluence of waypoint 846. Proceeding up RR trib. Stream is filled with ice. | - | - |
| 850 | 58.5007 | -134.7846 | | EF | 1 CO, 1 SB |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 851 | 58.5009 | -134.7847 | Trib. on RR not worth investigation. | EF | 1 CO |
| 852 | 58.5010 | -134.7852 | | EF/VI | 1 CO/2CO |
| 853 | 58.5013 | -134.7857 | Trib. on RL, not worth investigation. | EF | No fish |
| 854 | 58.5016 | -134.7859 | Stream greatly reduces in size. | VI | 3 CO |
| 855 | 58.5019 | -134.7861 | Stream hits hillside and drains bog, channel becomes undefined. End survey. | VI | 2 CO |



Figure 1.–Coho salmon captured at waypoint 847.



Figure 2.—111-50-10100-2035-3014-4020 (tributary 2) addition map.

111-50-10100-2035-3014-4024**ADDITION****Water body name:****Survey date:** 11/30/2016**Watershed:** Admiralty Island-Frontal Lynn Canal**Species & Lifestage:** COr**MTR:** C039S064E **Quad:** Juneau B-3**Findings:** We surveyed this stream using an electrofisher and a GPS and found coho salmon (Table 1; Figure 1).**Recommendations:** Add stream between waypoints 839 and 842 to the Anadromous Waters Catalog (Figure 2). Investigate the upper reaches of the stream at a later date.**Nomination:** 17-524

Table 1.–111-50-10100-2035-3014-4024 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 833 | 58.4987 | -134.7854 | Start survey. Small stream 200 yards away from Eagle Valley Center. | EF | No fish |
| 834 | 58.4990 | -134.7852 | Stream goes under road. | EF | 2 CO |
| 835 | 58.4990 | -134.7851 | Small seep on RL, not worth investigation. | EF/VI | 1 CO |
| 836 | 58.4991 | -134.7854 | | EF | 1 CO |
| 837 | 58.4993 | -134.7855 | | HN | 1 CO |
| 838 | 58.4996 | -134.7852 | | EF | 1 CO |
| 839 | 58.5001 | -134.7849 | Confluence, proceeding up RL. | EF | No fish |
| 840 | 58.5001 | -134.7848 | | EF | 3 CO |
| 841 | 58.5002 | -134.7844 | | EF | 1 CO |
| 842 | 58.5000 | -134.7839 | Stream becomes incised, enters meadow. < 12 inches wide. | EF | No fish |
| 843 | 58.5000 | -134.7835 | | VI | 1 CO |
| 844 | 58.4994 | -134.7822 | Stream ceases to have channel, drains bog. No longer able to fish. End survey. | - | - |
| 845 | 58.5001 | -134.7849 | Back at confluence of main channel, proceeding up RR. | EF | No fish |
| 846 | 58.5002 | -134.7849 | Confluence, proceeding up RL. | EF | No fish |
| 847 | 58.5003 | -134.7840 | | EF | 2 CO |
| 848 | 58.5005 | -134.7835 | Stream drains bog and has no defined channel. End survey. | - | - |
| 849 | 58.5002 | -134.7849 | Back at confluence of waypoint 846. Proceeding up RR trib. Stream is filled with ice. | - | - |
| 850 | 58.5007 | -134.7846 | | EF | 1 CO, 1 SB |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 851 | 58.5009 | -134.7847 | Trib. on RR not worth investigation. | EF | 1 CO |
| 852 | 58.5010 | -134.7852 | | EF/VI | 1 CO/2CO |
| 853 | 58.5013 | -134.7857 | Trib. on RL, not worth investigation. | EF | No fish |
| 854 | 58.5016 | -134.7859 | Stream greatly reduces in size. | VI | 3 CO |
| 855 | 58.5019 | -134.7861 | Stream hits hillside and drains bog, channel becomes undefined. End survey. | VI | 2 CO |



Figure 1.–Coho salmon captured at waypoint 840.



Figure 2.—111-50-10100-2035-3014-4024 (tributary 3) 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 |

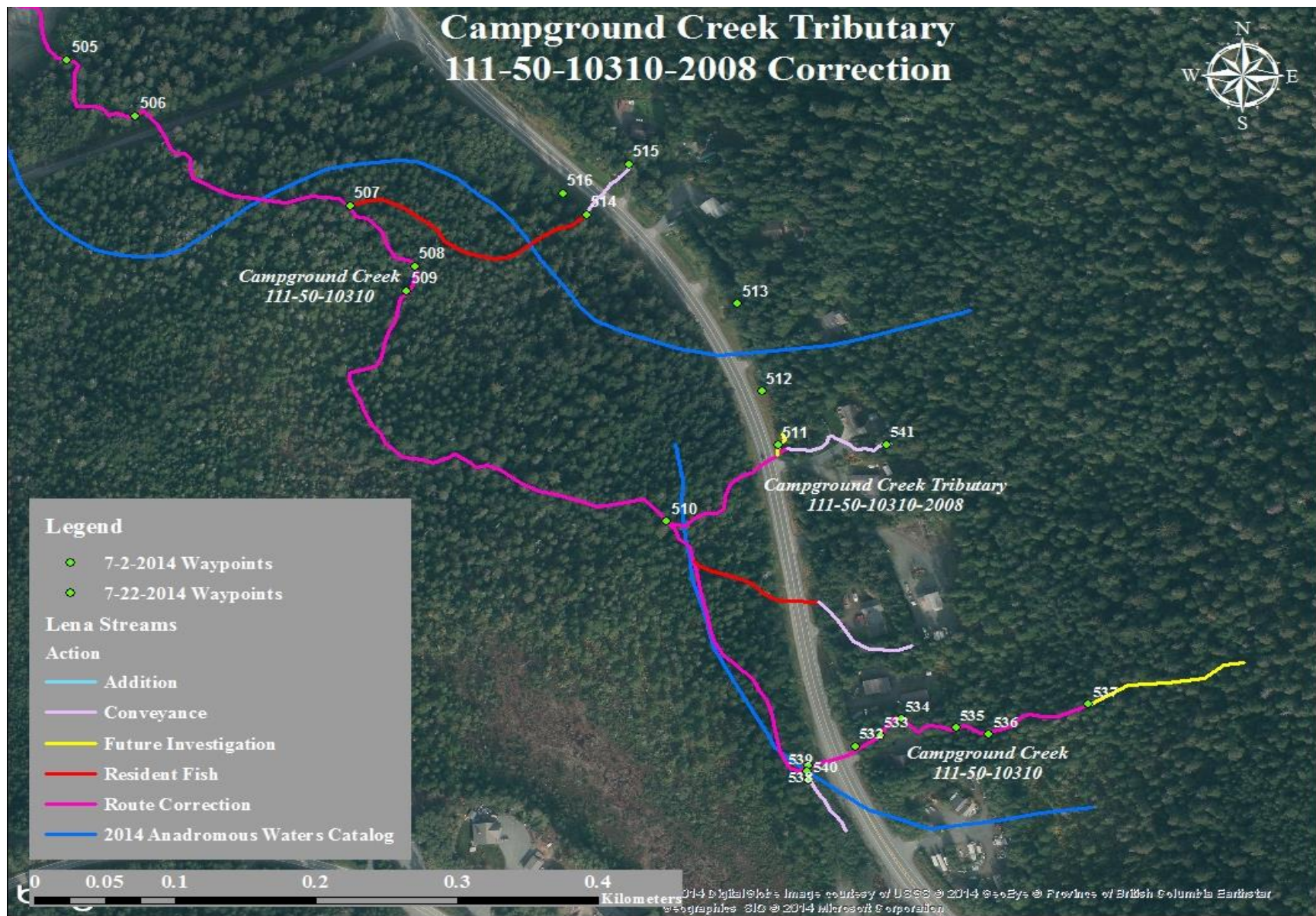


Figure 1.–Correction map. Previous tributary route (111-50-10310-2008) is mainstem. New tributary is now 111-50-10310-2007.

111-50-10390

CORRECTION

Water body name: Bay Creek

Water body number: 111-50-10390

Watershed: Admiralty Island-Frontal Lynn Canal

MTR: C040S065E **Quad:** Juneau B-2

Survey date: 6/22/2010

Species & Lifestage: COr, Ps

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.

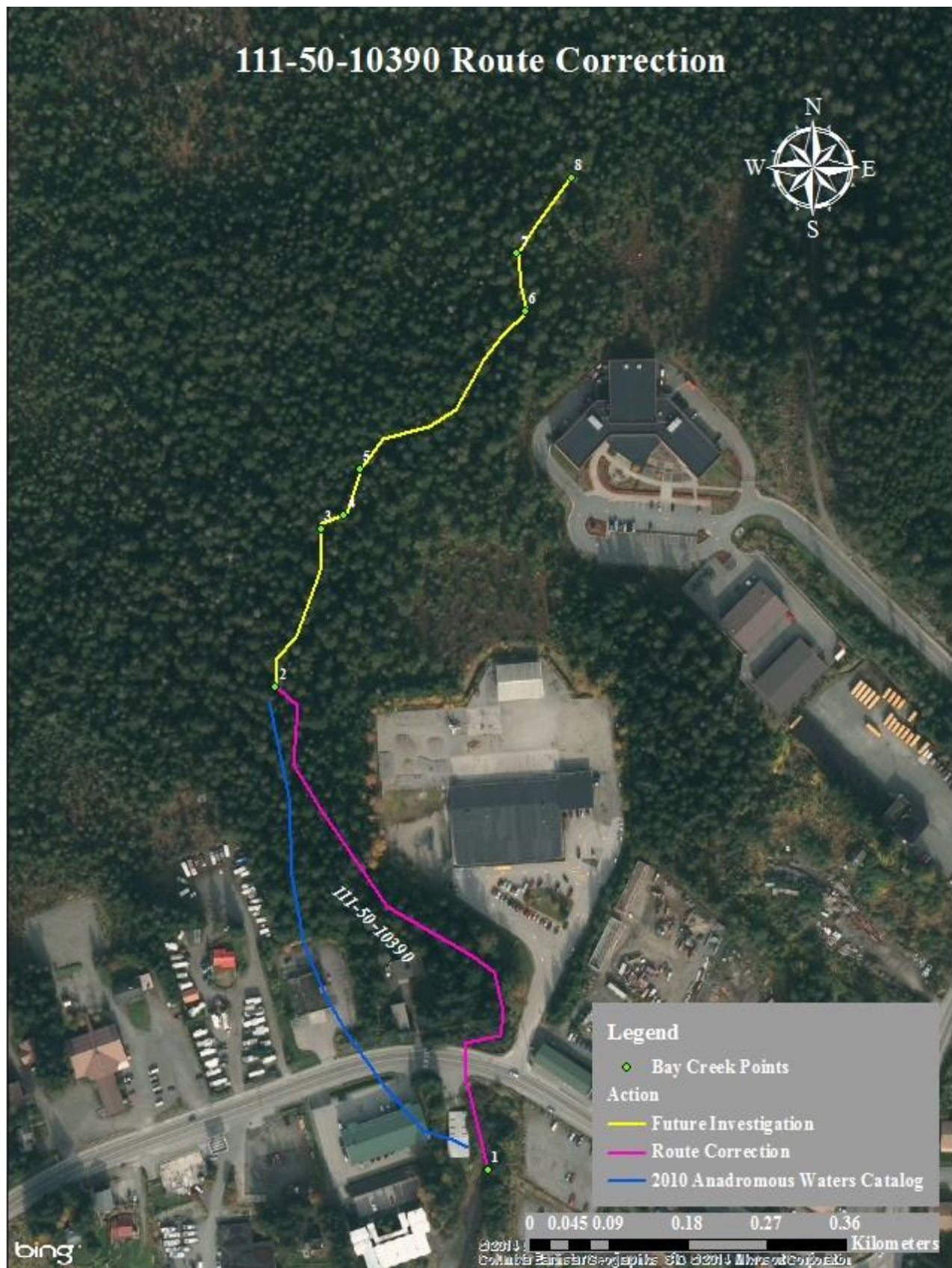


Figure 3.—111-50-10390 route correction map.

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 |

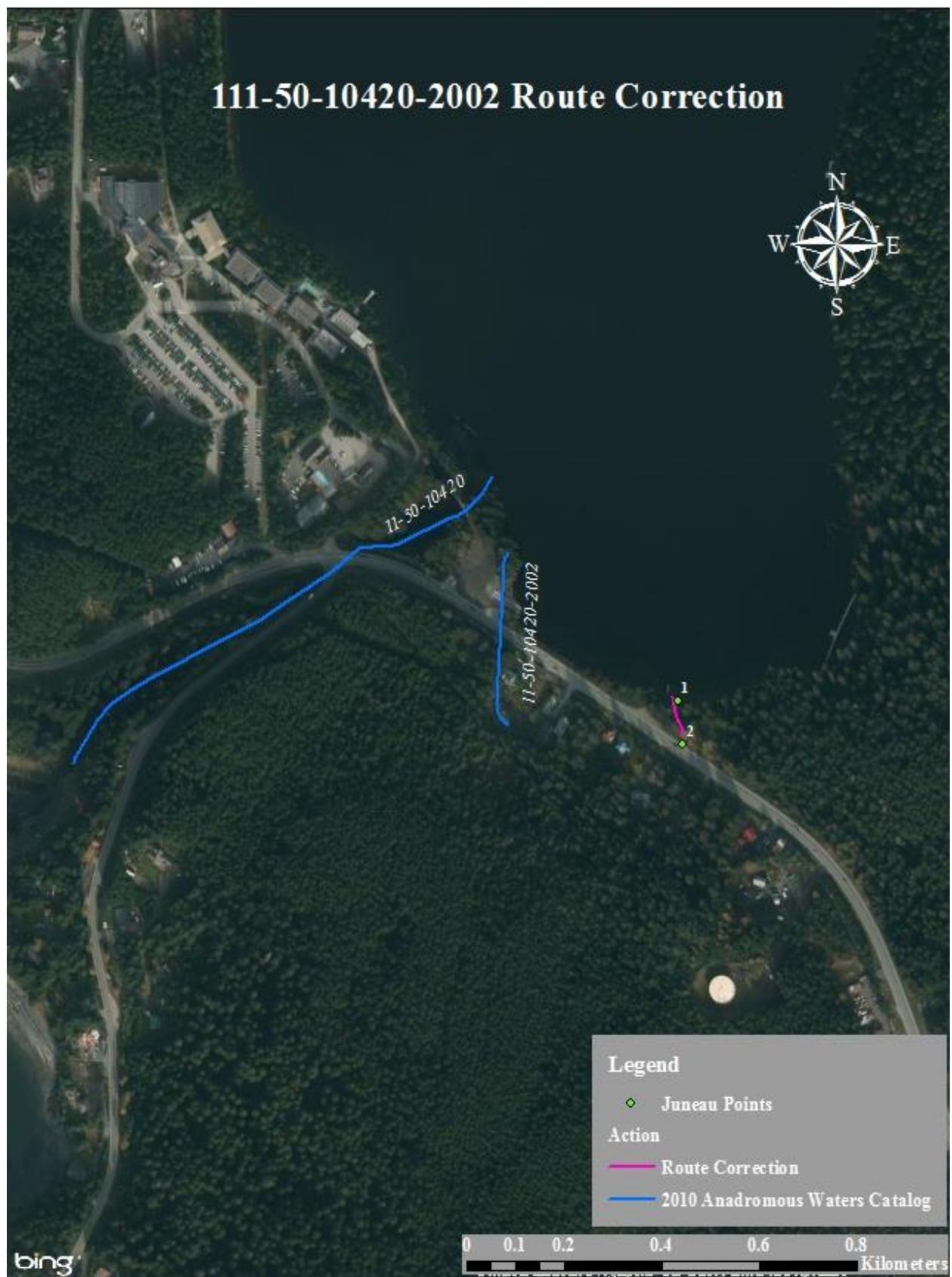


Figure 1.—111-50-10420-2002 route correction map.

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.

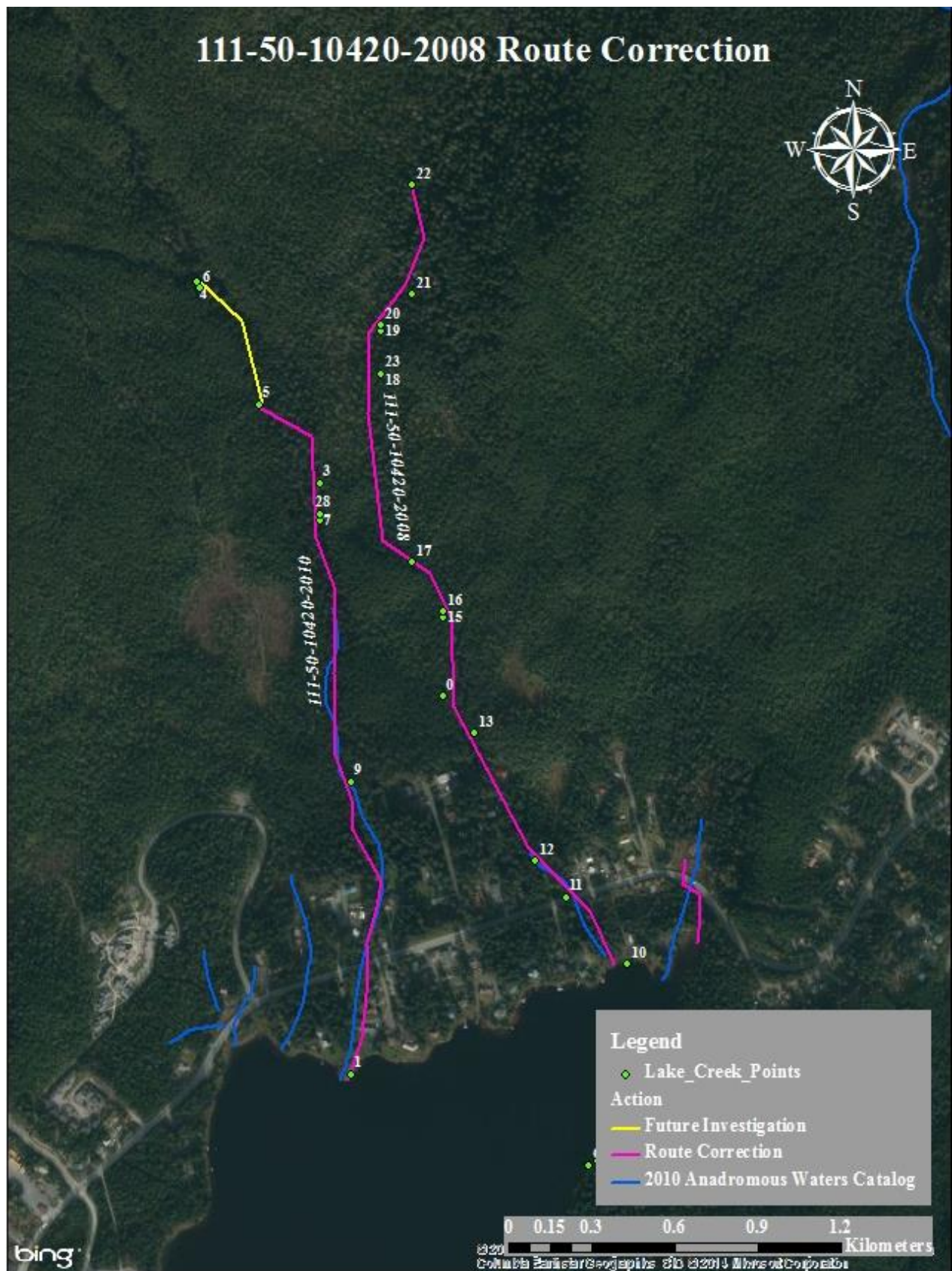


Figure 3.—111-50-10420-2008 route correction map.

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.

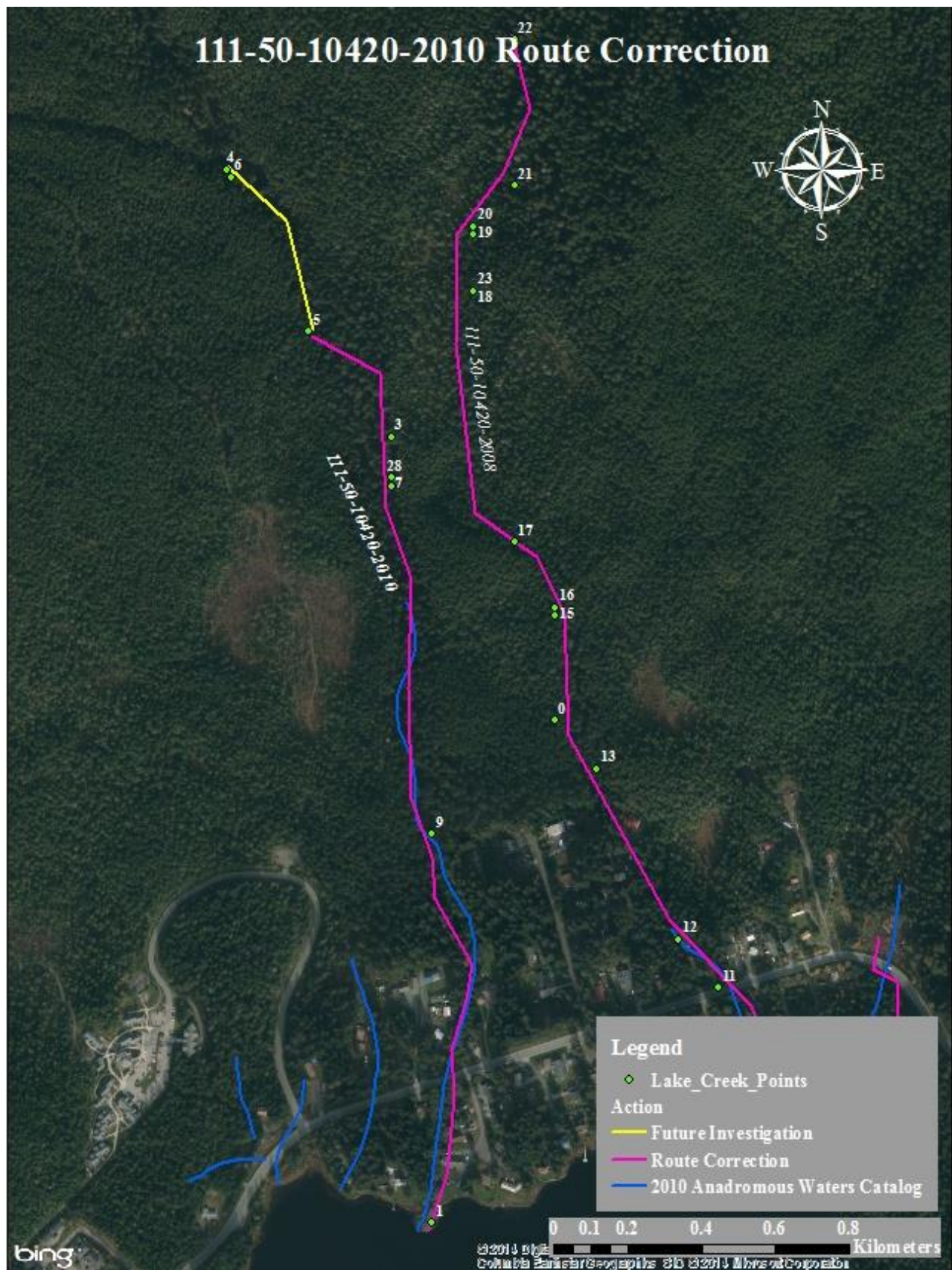


Figure 3.—111-50-10420-2010 route correction map.

111-50-10420-2013

CORRECTION

Water body name:

Watershed: Admiralty Island-Frontal Lynn Canal

MTR: C040S065E **Quad:** Juneau B-2

Survey date: 2/23/2016

Species & Lifestage: COp, CTs, DVp

Findings: I surveyed this stream using minnow traps and a backpack electrofisher (Table 1). I captured cutthroat trout, Dolly Varden char and juvenile coho salmon (Figures 1, 2).

Recommendations: Update this stream's course to reflect the field verified route (Figure 3).

Nomination: 16-555

Table 1.—111-50-10420-2013 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--------------------------|---------------|----------------|
| 1 | 58.3917 | -134.6361 | | MT | 1 CO |
| 2 | 58.3917 | -134.6362 | | MT | |
| 3 | 58.3921 | -134.6361 | | EF | 1 DV |
| 4 | 58.3923 | -134.6361 | | MT | |
| 5 | 58.3924 | -134.6362 | | EF | 1 CT |
| 6 | 58.3926 | -134.6363 | | EF | 5 CO |
| 7 | 58.3927 | -134.6364 | | MT | |
| 8 | 58.3928 | -134.6365 | | MT | |
| 9 | 58.3929 | -134.6365 | | EF | 1 DV |
| 10 | 58.3930 | -134.6366 | Perched highway culvert. | EF | |



Figure 1.—Juvenile coho salmon.



Figure 2.—Juvenile cutthroat trout.

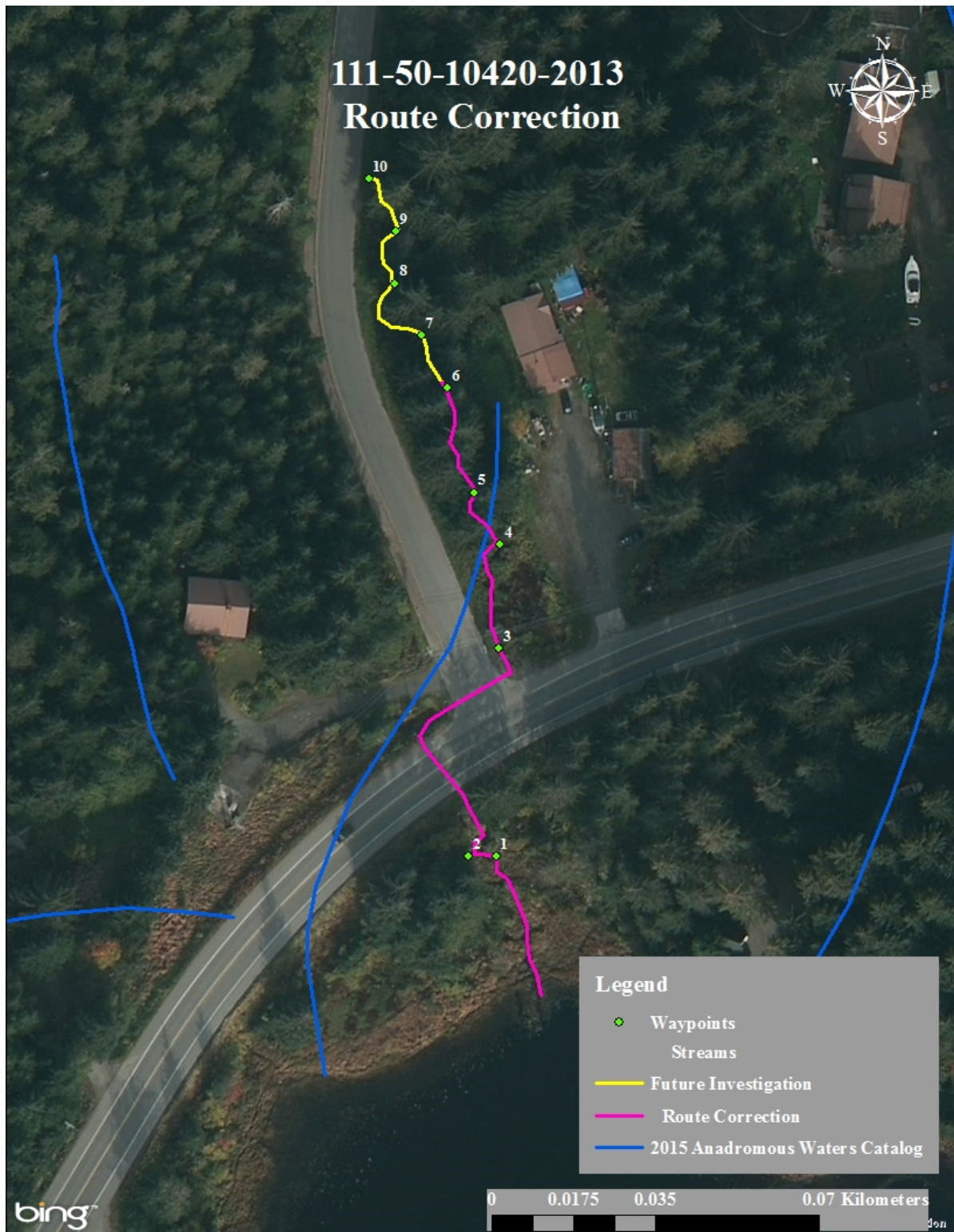


Figure 3.–11-50-10420-2013 route correction map.

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 23 | 58.3741 | -134.6229 | | EF | 1 CO |
| 510 | 58.3741 | -134.6230 | Outlet of first culvert above ECR. | | |
| 24 | 58.3743 | -134.6233 | | EF | 3 CO |
| 25 | 58.3744 | -134.6235 | Outlet of second culvert above ECR. | EF | 8 CO |
| 26 | 58.3746 | -134.6236 | Outlet of culvert under LDS church parking area. | EF | 2 DV |



Figure 1.–Waypoint 406 in June 2015.



Figure 2.–Waypoint 406 in March 2016.



Figure 3.–Pink fry caught above waypoint 12.



Figure 4.–CMP outlet under LDS parking lot.

111-50-10490**CORRECTION****Water body name:** Casa Del Sol**Survey date:** 3/16/2016**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:** CHp, COr, DVr**MTR:** C040S065E **Quad:** Juneau B-2

Findings: We surveyed this stream using a backpack electrofisher and a GPS (Table 1). On 6/5/15 I tracked the stream from the culvert behind the DMV on Sherwood Lane to Engineers Cutoff Road (Figure 1). We surveyed the stream again on 3/16/16 to verify fish presence above Engineers Cutoff Road (Figures 2-4).

Recommendations: Update the arc on the upper portion of Casa Del Sol and extend the anadromous reach in the Anadromous Waters Catalog (Figure 5).

Nomination: 16-557

Table 1.—111-50-10490 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 401 | 58.3709 | -134.6188 | Outlet of culvert under DMV parking lot. Tracking upstream. | | |
| 402 | 58.3712 | -134.6196 | Photos. | | |
| 403 | 58.3713 | -134.6203 | Tributary on river right. | | |
| 12 | 58.3719 | -134.6205 | Caught Pink fry just upstream. | EF | 2 CO, 1 P |
| 13 | 58.3720 | -134.6204 | Coho fry. | EF | 1 CO |
| 405 | 58.3721 | -134.6205 | Photos. | | |
| 406 | 58.3728 | -134.6209 | Gill net across stream. | | |
| 407 | 58.3729 | -134.6212 | Rock dam across stream near viewing area with chairs. | | |
| 408 | 58.3731 | -134.6219 | Second rock dam. | | |
| 409 | 58.3732 | -134.6222 | Another section of gill net across stream. One side of net partially in stream bed. | | |
| 410 | 58.3733 | -134.6225 | Rusty old barrels in dry overflow channel on river right. | | |
| 411 | 58.3734 | -134.6224 | Fish stranded in pool. Stream appears to split. River right branch heads towards Goldbelt parking lot. Following river left channel. | | |
| 413 | 58.3738 | -134.6227 | Woody debris creates fish barrier. No jump pool. | | |
| 414 | 58.3738 | -134.6229 | Outlet of 24" culvert under ECR. | | |
| 415 | 58.3740 | -134.6228 | Stream enters ditchline along ECR. | | |

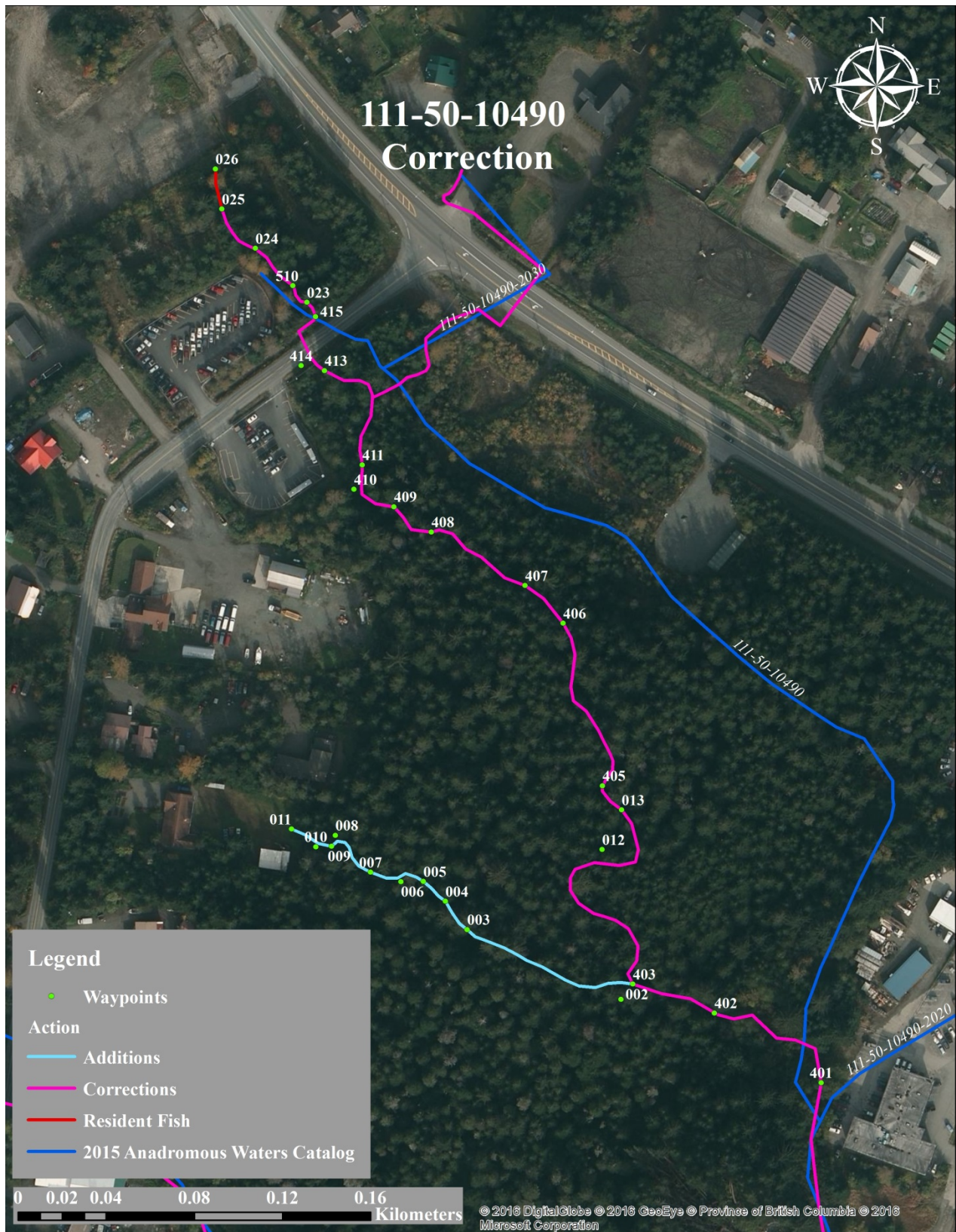


Figure 5.–111-50-10490 correction map.

111-50-10490-2013**CORRECTION****Water body name:** West Fork Casa Del Sol**Survey date:** 8/14/2015**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:** COr, DVr, CHsp**MTR:** C040S065E **Quad:** Juneau B-2

Findings: We surveyed this stream above Engineers Cutoff Road using a backpack electrofisher and a GPS (Table 1). We discontinued electrofishing when chum salmon were observed spawning. Adult salmon can access habitat above the perched culvert (Figures 1, 2). We returned on 3/16/16 to verify fish use above Engineers Cutoff Road. We noted an old dam at waypoint 506 (Figure 3). The route correction below Engineers cutoff is based on aerial imagery and 5-foot contours derived from LIDAR.

Recommendations: Update the stream course, add chum salmon spawning, and extend the anadromous reach for coho salmon rearing in the Anadromous Waters Catalog (Figure 4).

Nomination: 16-558

Table 1.—111-50-10490-2013 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 439 | 58.3708 | -134.6251 | Stream No. 111-50-10490-2013. Engineers Cutoff Road above culvert inlet. E-fished just above inlet. | EF | 1 CO, 1 DV |
| 440 | 58.3708 | -134.6254 | | EF | 2 CT, 1 DV |
| 441 | 58.3707 | -134.6256 | Tess noted adults spawning upstream. Discontinued electrofishing. | EF | 4 CO |
| 442 | 58.3707 | -134.6257 | Adult salmon observed spawning | VI | 3 CH |
| 506 | 58.3707 | -134.6263 | Old wooden dam structure visible in river right bank and bed of stream. | | |
| 14 | 58.3707 | -134.6265 | | EF | 3 CO |
| 15 | 58.3708 | -134.6270 | Tributary on river left. Heading up tributary. | | |
| 16 | 58.3709 | -134.6271 | | EF | 1 CO, 2 DV |
| 17 | 58.3709 | -134.6285 | End survey of tributary. Back to main channel. | EF | 6 DV |
| 18 | 58.3706 | -134.6286 | Heading up main channel. | EF | 1 DV |
| 19 | 58.3704 | -134.6289 | | EF | 3 DV |
| 20 | 58.3703 | -134.6292 | Tributary on river left. | | |
| 21 | 58.3699 | -134.6294 | End survey of main channel. No barrier, but not catching coho. Heading back downstream. | | |
| 22 | 58.3706 | -134.6277 | | EF | 2 CO |



Figure 1.—Looking upstream above Engineers Cutoff Road.



Figure 2.—Perch at culvert outlet.



Figure 3.—Old dam located at waypoint 506.

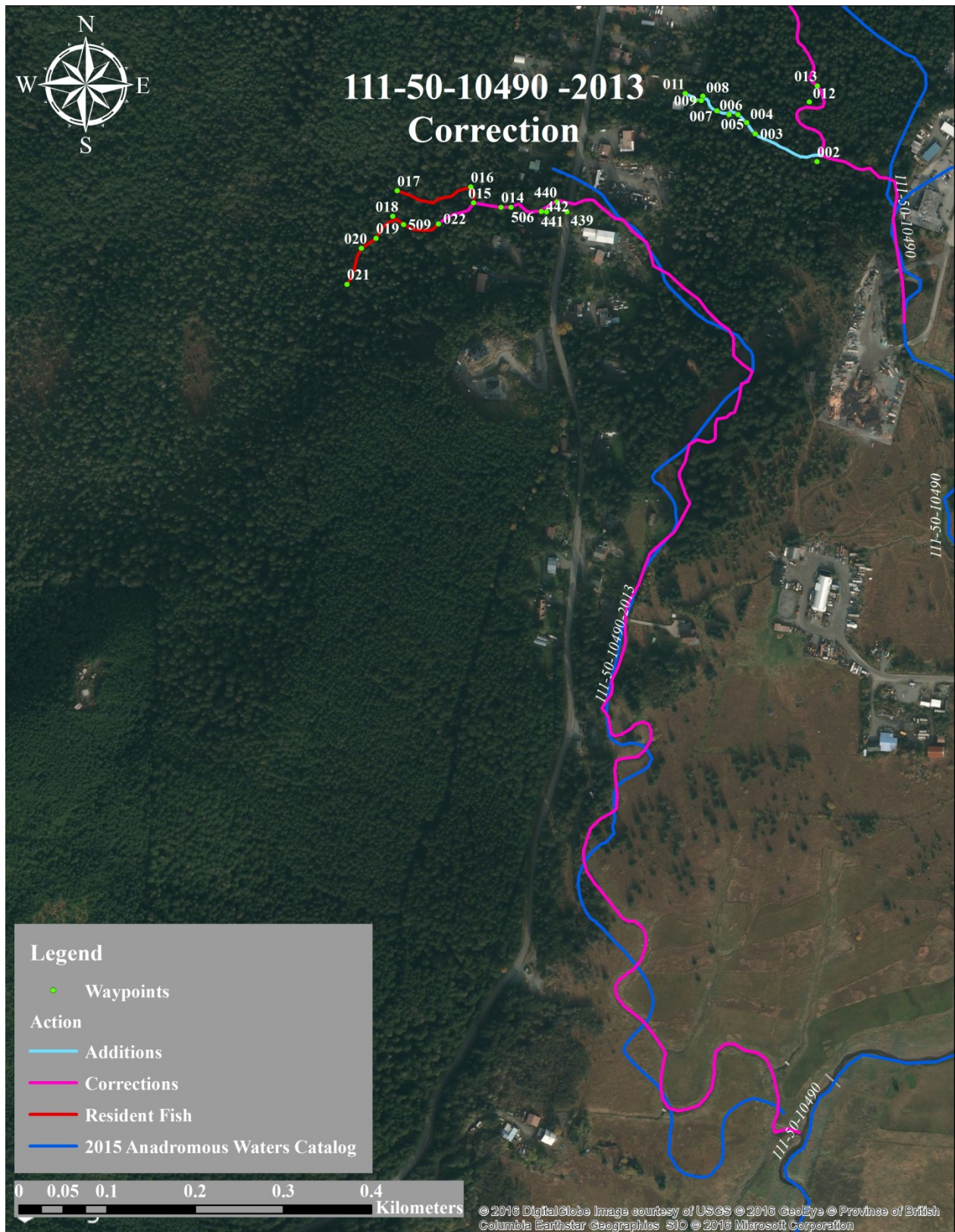


Figure 4.–111-50-10490-2013 correction map.

111-50-10490-2020-3008**CORRECTION****Water body name:****Survey date:** 2/11/2016**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:** COr**MTR:** C040S065E **Quad:** Juneau B-2**Findings:** I surveyed the stream and confirmed it flows through a culvert and no other channel exists (Table 1, Figures 1, 2).**Recommendations:** Update this stream's course to reflect the field verified route (Figure 1).**Nomination:** 16-556

Table 1.–111-50-10490-2020-3008 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 955 | 58.3716 | -134.6128 | Highway culvert outlet. | MT | 20 CO |
| 956 | 58.3712 | -134.6133 | Private culvert inlet. | | |
| 957 | 58.3708 | -134.6137 | Ponded wetland, no channel anywhere near here. | | |
| 958 | 58.3712 | -134.6144 | Private culvert outlet. | | |
| 959 | 58.3717 | -134.6137 | Highway culvert outlet. | | |
| 960 | 58.3718 | -134.6122 | | MT | 23 CO, 4 DV |
| 961 | 58.3716 | -134.6129 | | MT | 24 CO |



Figure 1.–Culvert inlet (left), outlet (right) and ponded wetland area (bottom).



Figure 2.—111-50-10490-2020-3008 route correction map.

111-50-10490-2021**ADDITION****Water body name:****Survey date:** 3/16/2016**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:** COr**MTR:** C040S065E **Quad:** Juneau B-2

Findings: We surveyed this stream using a backpack electrofisher and a GPS (Table 1). Low water flows in this small stream limited our sampling effort (Figure 1). We ended the survey at the outlet of a small culvert at waypoint 11 (Figure 2).

Recommendations: Add this stream to the Anadromous Waters Catalog and include coho salmon rearing (Figure 3).

Nomination: 16-559

Table 1.–111-50-10490-2021 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 403 | 58.3713 | -134.6203 | Mouth of tributary entering on river right. | | |
| 2 | 58.3712 | -134.6204 | | EF | 1 DV |
| 3 | 58.3715 | -134.6216 | | EF | 1 CO |
| 4 | 58.3716 | -134.6217 | | EF | 1 CO |
| 5 | 58.3717 | -134.6219 | | EF | 1 CO |
| 6 | 58.3717 | -134.6221 | | EF | 2 CO |
| 7 | 58.3718 | -134.6223 | | EF | 3 CO |
| 8 | 58.3719 | -134.6226 | | EF | 2 CO |
| 9 | 58.3719 | -134.6226 | | EF | 2 CO |
| 10 | 58.3719 | -134.6228 | | EF | 1 CO |
| 11 | 58.3719 | -134.6229 | Outlet pool. Perched 18" diameter CMP. End survey. | EF | 3 CO |



Figure 1.–Stream near waypoint 4.



Figure 2.–Ended survey at waypoint 11.

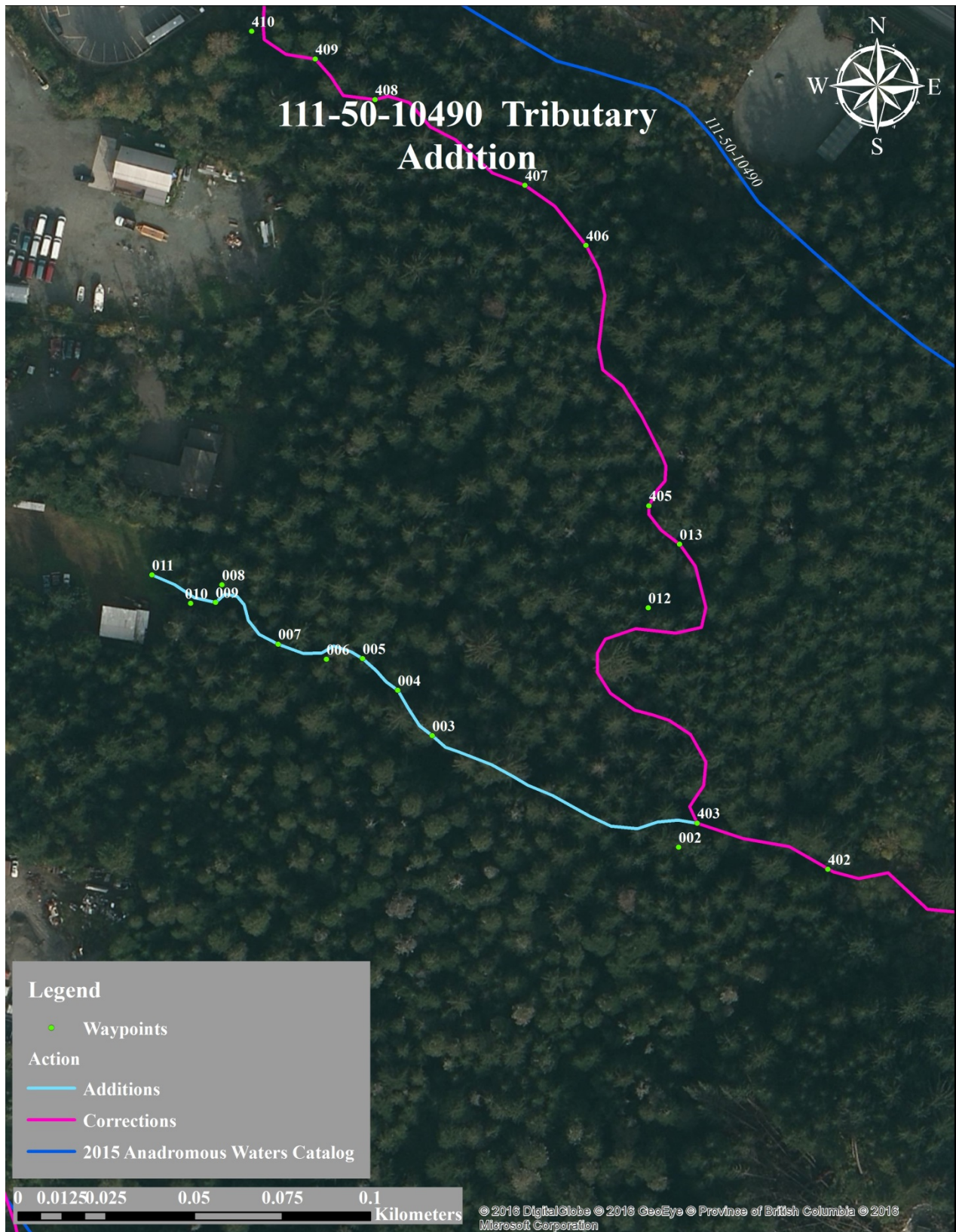


Figure 3.–111-50-10490-2021 (tributary) addition map.

111-50-10490-2030

CORRECTION

Water body name:

Survey date: 3/18/2016

Watershed: Mendenhall River-Frontal Gastineau Channel

Species & Lifestage: COsr, DVr

MTR: C040S065E **Quad:** Juneau B-2

Findings: We surveyed this stream using a GPS (Table 1). I visually observed multiple rearing coho salmon during a site visit on 10/6/15.

Recommendations: Update the Anadromous Waters Catalog with the field verified route (Figures 1, 2).

Nomination: 16-560

Table 1.–111-50-10490-2030 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 1 | 58.3746 | -134.6217 | Outlet of perched culvert under private driveway. | | |
| 2 | 58.3745 | -134.6218 | Emmanual Baptist Church (EBC) driveway culvert inlet. | | |
| 3 | 58.3744 | -134.6216 | EBC driveway culvert outlet. | | |
| 4 | 58.3742 | -134.6211 | Glacier Hwy culvert inlet. | | |
| 5 | 58.3740 | -134.6214 | Glacier Hwy culvert outlet. | | |
| 6 | 58.3741 | -134.6215 | Fill pad culvert inlet. | | |
| 7 | 58.3740 | -134.6218 | Fill pad culvert outlet. | | |
| 8 | 58.3738 | -134.6221 | Stream goes subterranean. | | |
| 9 | 58.3737 | -134.6224 | Stream flows into Casa Del Sol. | | |



Figure 1.–Barrier culvert at waypoint 1.

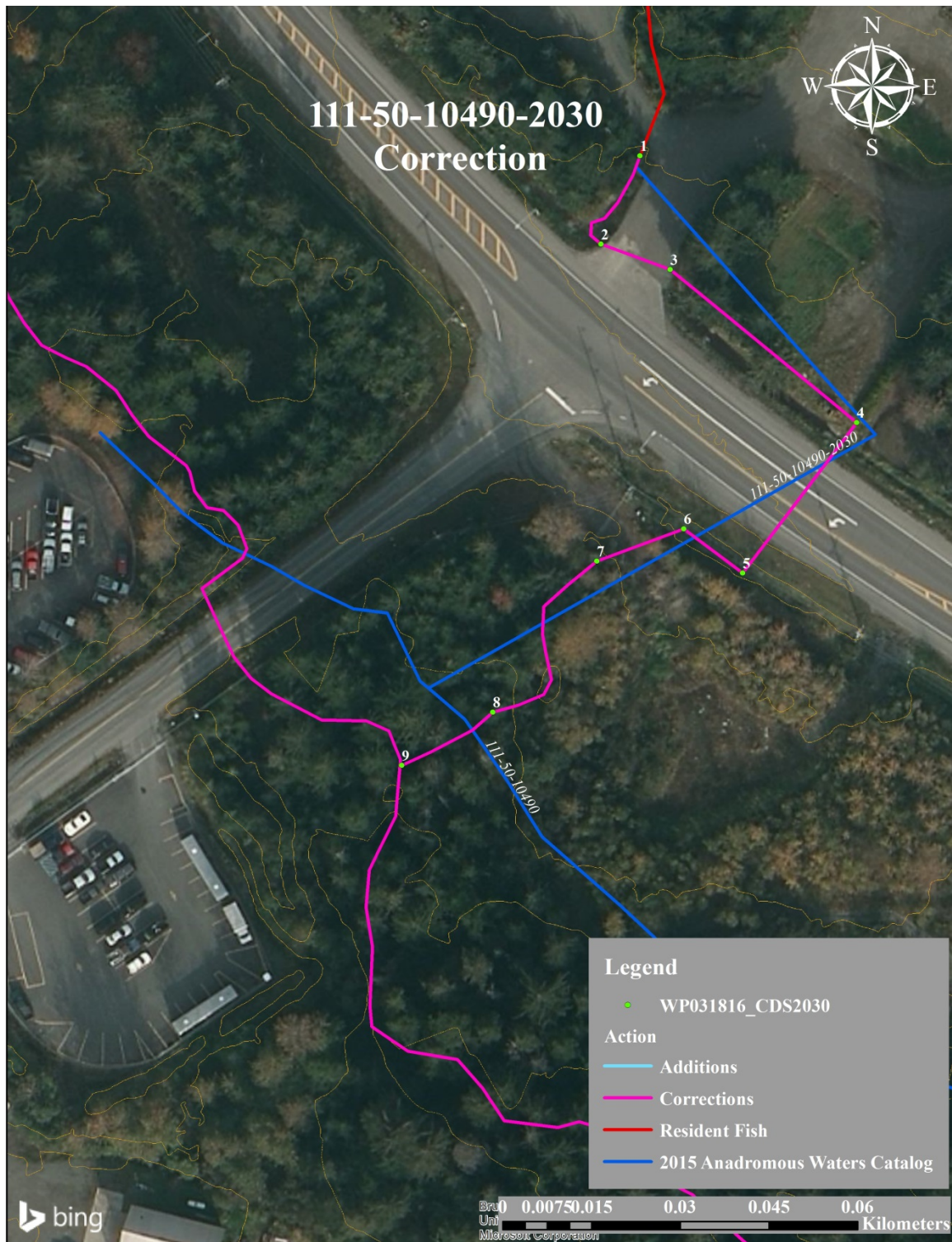


Figure 2.—111-50-10490-2030 correction map.

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.

111-50-10500-2003-3009**ADDITION****Water body name:****Survey date:** 5/18/2017**Watershed:** Mendenhall River-Fontal Gastineau Channel**Species & Lifestage:** COr**MTR:** C040S065E **Quad:** Juneau B-2

Findings: We surveyed this tributary to Montana Creek using minnow traps, hand nets, and a GPS. We found juvenile coho salmon. The creek ends at a discontinuous wetland (Table 1, Figures 1-4).

Recommendations: Add this stream to the Anadromous Waters Catalog for rearing coho salmon.

Nomination: 17-586

Table 1.–111-50-10500-2003-3009 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 108 | 58.3941 | -134.6115 | MT set at 1225, pulled at 1250. | MT | 8 CO |
| 109 | 58.3939 | -134.6115 | | HN | 1 CO |
| 110 | 58.3935 | -134.6117 | | HN | 5 CO |
| 111 | 58.3925 | -134.6113 | Trees blocking channel that appear to be recently cut down. Line running down from building to post. | | |
| 115 | 58.3947 | -134.6110 | MT set at 0958 and pulled at 1150. Fish between 60-100mm. | MT | 18 CO 1SC |
| 116 | 58.3950 | -134.6108 | Small tributary enters on river right. No fish habitat. | | |
| 117 | 58.3957 | -134.6104 | MT set 1010 and pulled at 1150. Stream is small with organic substrate and large woody debris. The channel is noncontinuous and the gradient is nearly flat. | MT | 10 CO |
| 118 | 58.3963 | -134.6105 | Channel ends in discontinuous wetland, partially under a Youth Center building. | | |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|------------------------------------|---------------|----------------|
| 124 | 58.3912 | -134.6112 | Small gravel area, 150m long. | | |
| 125 | 58.3879 | -134.6060 | Confluence with Montana Creek. | | |
| 126 | 58.3946 | -134.6108 | MT set at 1155 and pulled at 1212. | MT | 16 CO |



Figure 1.–Stream at WP 108.



Figure 2.–Coho salmon captured at WP 108.



Figure 3.–Confluence with Montana Creek WP 125.

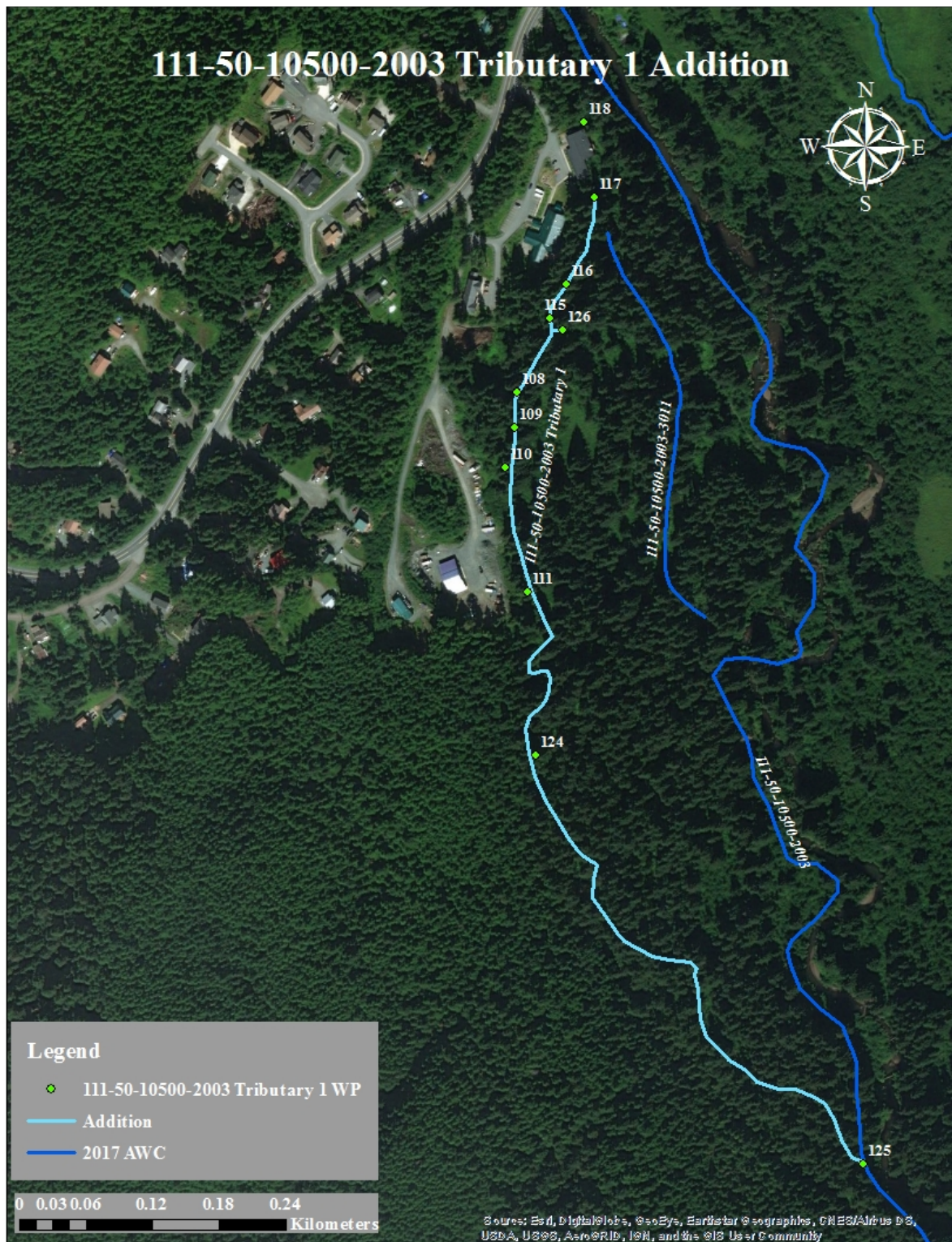


Figure 4.–111-50-10500-2003-3009 (tributary 1) addition map.

111-50-10500-2003-3009-4024**ADDITION****Water body name:****Survey date:** 5/18/2017**Watershed:** Mendenhall River-Fontal Gastineau Channel**Species & Lifestage:** COr**MTR:** C040S065E **Quad:** Juneau B-2

Findings: We surveyed this stream using minnow traps, backpack electrofisher and a GPS. We found juvenile coho salmon and cutthroat trout. The creek ends berm that restricts flow, but no coho salmon were captured above a perched culvert at WP 88 (Table 1, Figures 1-4).

Recommendations: Add this stream to the Anadromous Waters Catalog for rearing coho salmon.

Nomination: 17-591

Table 1.–111-50-10500-2003-3009-4024 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 79 | 58.3943 | -134.6128 | Downstream end of Blackbear Rd 24" culvert. The culvert is perched about one foot above the stream with a one foot pool. Rust on the pipe indicates that the culvert is close to high water mark. Two clogged culverts were to the left of it. Trap was pulled at 11:50 on 5/18/2017. CT were 60-80 mm. | MT | 6 CT |
| 80 | 58.3942 | -134.6130 | Upstream end of culvert. Drainage ditch merges with stream channel. The two clogged culverts are not visible. Gradient: 20 yds. upstream 12.5%. | MT | 4 CT |
| 87 | 58.3941 | -134.6148 | Gradient flattens out. | | |
| 88 | 58.3941 | -134.6150 | Minnow Trap placed at base of a culvert. | MT | 6 CT |
| 95 | 58.3932 | -134.6163 | MT set at 11:42 on 5/18/2017. Pulled on 5/19/2017 at 09:07. | MT | No Fish |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 103 | 58.3926 | -134.6172 | Culvert. Extremely low flow. Thin film released from soft substrate while walking. Culvert was very long (~25 m). | | |
| 104 | 58.3923 | -134.6175 | Upstream of culvert. Water pooling around mouth of culvert. | | |
| 105 | 58.3920 | -134.6178 | Stream is cut by berm. No fish passage. | | |
| 106 | 58.3920 | -134.6179 | Other side of berm. The berm appears to be decades old due to vegetation. End of upstream survey. | | |
| 107 | 58.3941 | -134.6119 | Restarted survey heading downstream from waypoint 77. | HN | 2 CO, 1 SC |
| 136 | 58.3941 | -134.6116 | Began Survey at confluence at 15:00 | EF | No Fish |
| 137 | 58.3941 | -134.6120 | | EF | 3 CO |
| 138 | 58.3942 | -134.6122 | | EF | 2 CO |
| 139 | 58.3942 | -134.6125 | Small wood waterfall. Some of main channel goes subsurface. | EF | 1 CO |
| 140 | 58.3942 | -134.6127 | Plunge pool below driveway culvert. | EF | 4 CT |
| 141 | 58.3942 | -134.6137 | | EF | 1 CT |
| 142 | 58.3941 | -134.6139 | | EF | 1 CT |
| 143 | 58.3942 | -134.6142 | | EF | 2 CT |
| 144 | 58.3940 | -134.6150 | Plunge pool below Spring Way culvert. | EF | 2 CT |
| 92 | 58.3937 | -134.6158 | End of survey. | EF | No Fish |



Figure 1.–Cutthroat trout captured at WP 80.



Figure 2.–Coho salmon captured at WP 107.



Figure 3.–Perched culvert at Black Bear Road.

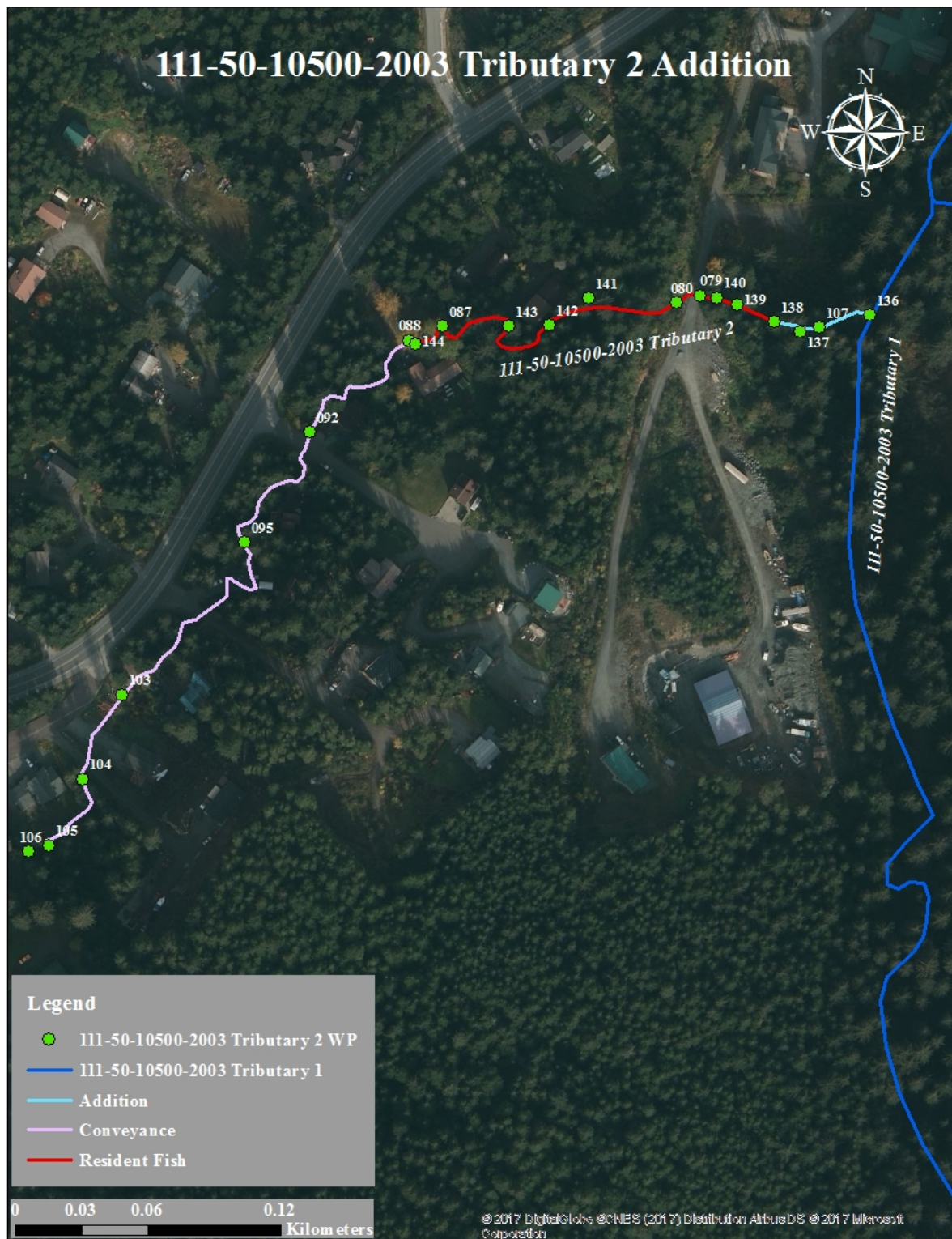


Figure 4.–111-50-10500-2003-3009-4024 (tributary 2) addition map.

111-50-10500-2003-3042

CORRECTION

Water body name:

Survey date: 9/8/2014

Water body number: 111-50-10500-2003-3042

Species & Lifestage: CO

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. | VI | 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 | | VI | 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.

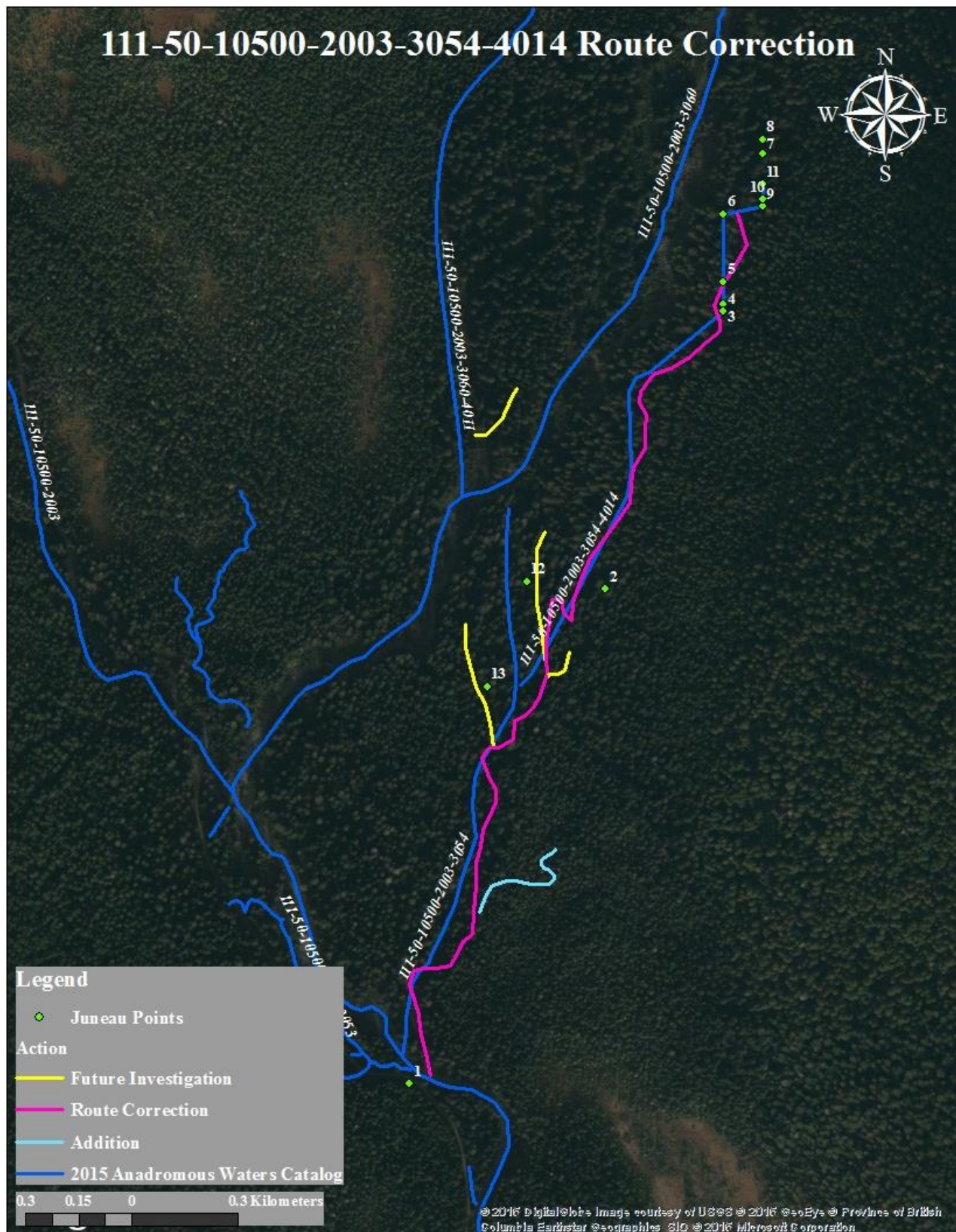


Figure 5.—111-50-10500-2003-3054-4014 route correction map.

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 |

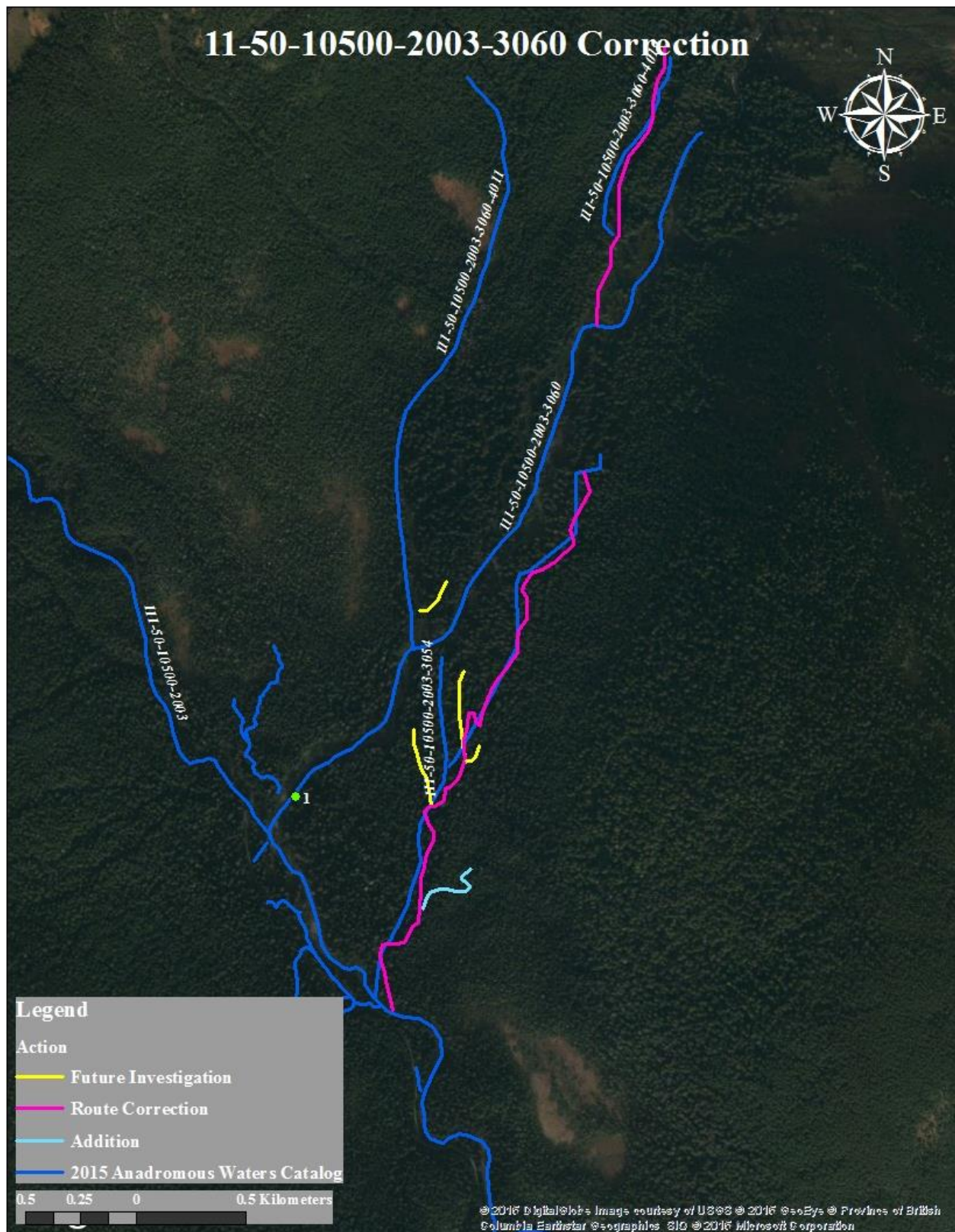


Figure 1.–111-50-10500-2003-3060 correction map.

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:** CO**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.

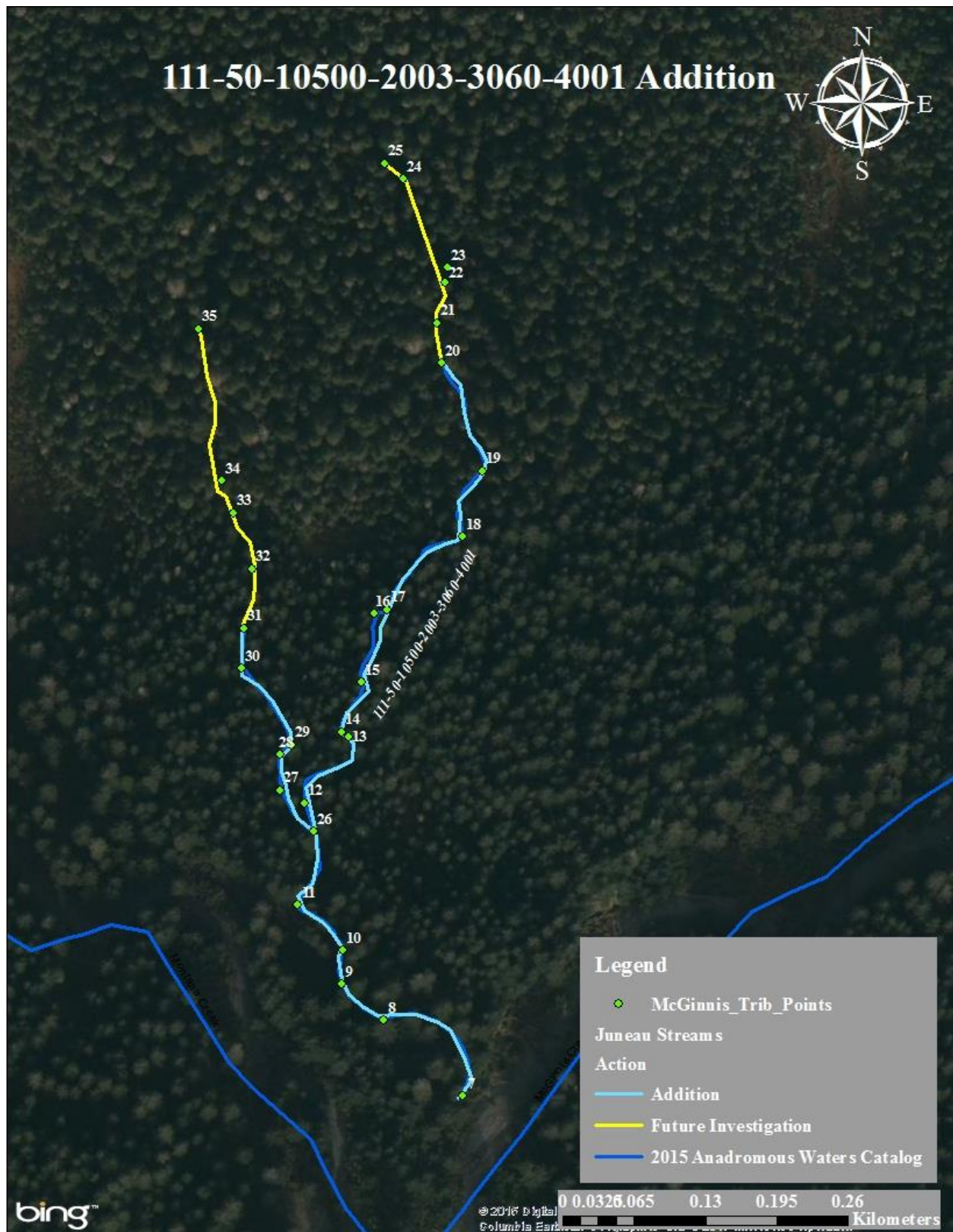


Figure 3.-111-50-10500-2003-3060-4001 addition map.

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: CO

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.

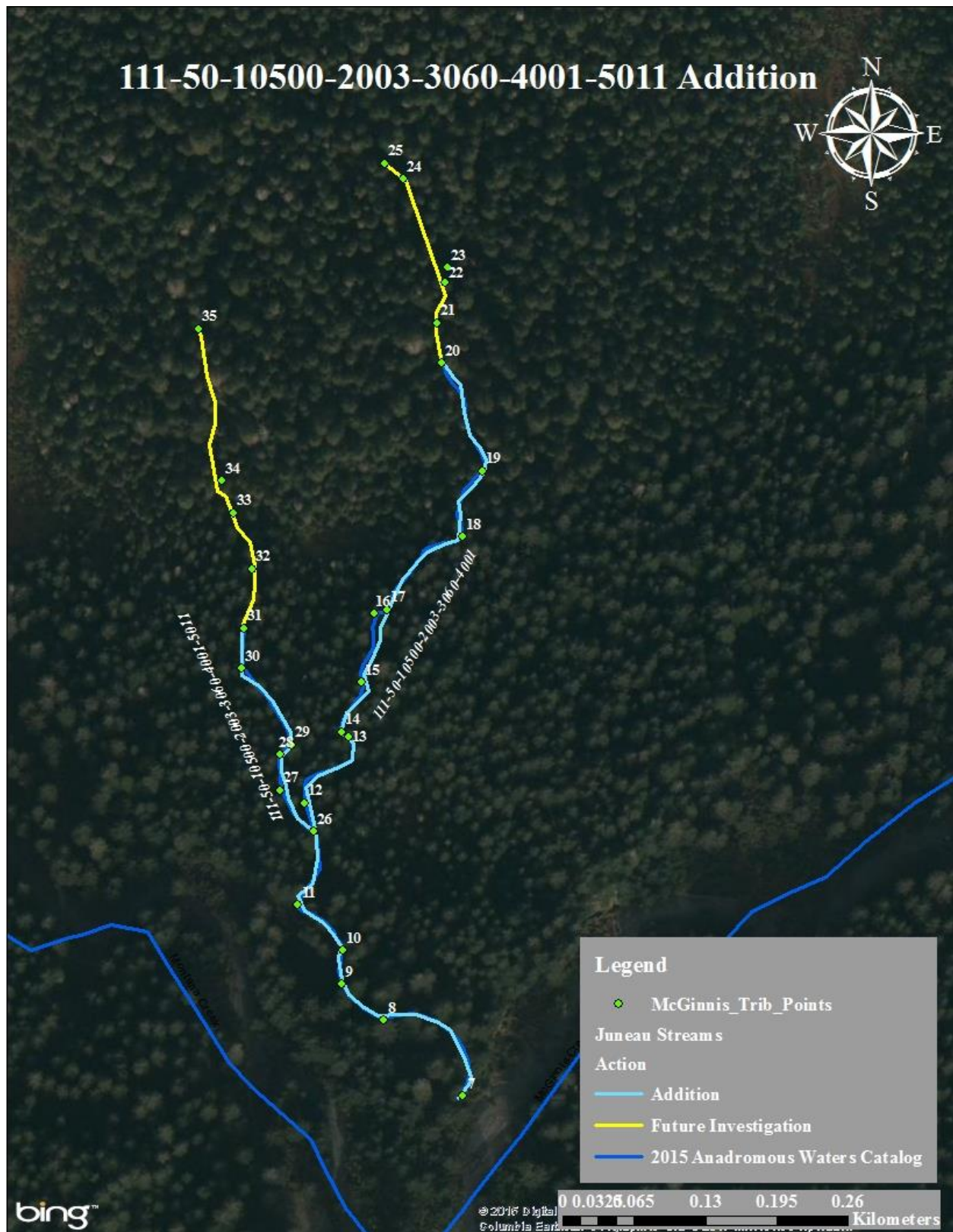


Figure 3.-111-50-10500-2003-3060-4001-5011 addition map.

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 |

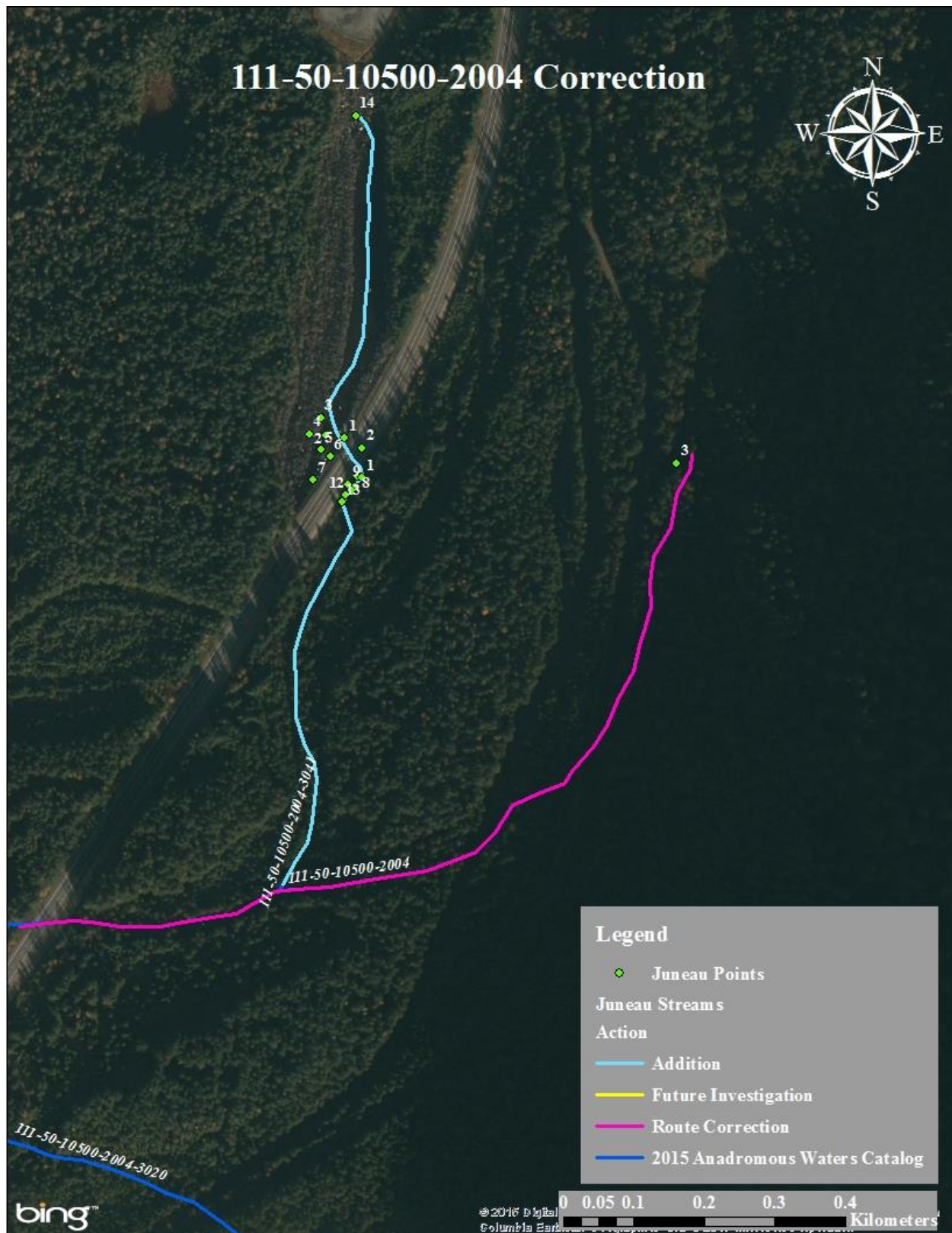


Figure 1.-111-50-10500-2004 correction map.

Juneau

111-50-10500-2004-3041**ADDITION****Water body name:****Survey date:** 9/13/2011**Water body number:** 111-50-10500-2004-3041**Species & Lifestage:** CO**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.–111-50-10500-2004-3041 survey 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.

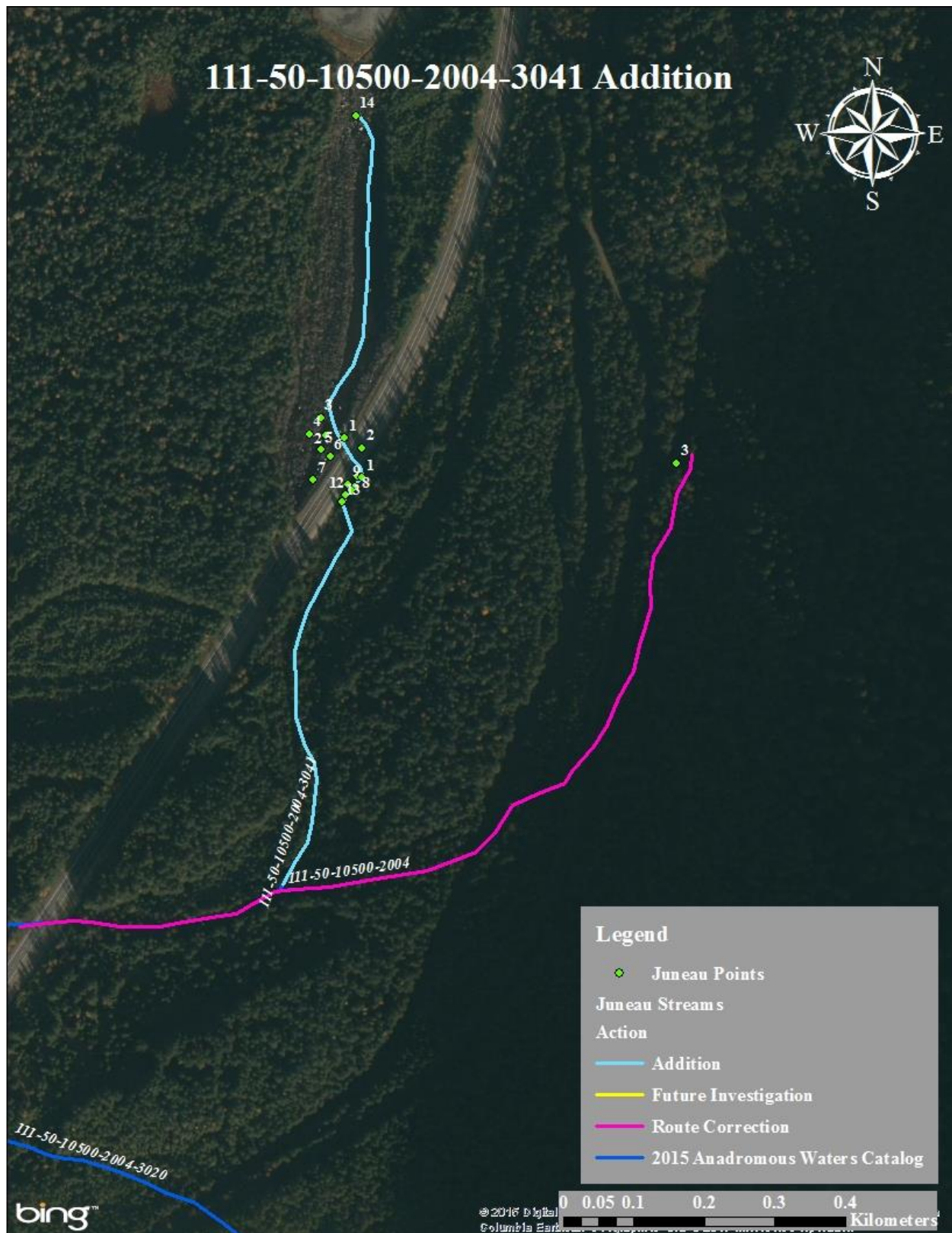


Figure 4.-111-50-10500-2004-3041 addition map.

111-50-10500-2015

ADDITION

Water body name:

Watershed: Mendenhall River-Frontal Gastineau Channel

MTR: C040S066E **Quad:** Juneau B-2

Findings: We surveyed this stream using minnow traps, a backpack electrofisher, and a GPS and found rearing coho salmon (Table 1, Figures 1, 2).

Recommendations: Add this stream to the catalog.

Nomination: 17-507

Survey date: 10/7/2016
Species & Lifestage: COr

Table 1.—111-50-10500-2015 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 102 | 58.4157 | -134.5921 | Start survey at lake confluence. | EF | 2 CO |
| 103 | 58.4154 | -134.5922 | | EF | 3 CO |
| 104 | 58.4152 | -134.5923 | Culvert outlet. | EF | 3 CO |
| 105 | 58.4157 | -134.5936 | Wide wetland type channel. | EF | 1 CO |
| 106 | 58.4158 | -134.5939 | Confluence of slough, proceeding up slough. | EF | 1 CO |
| 107 | 58.4156 | -134.5948 | Fish caught, moving back to main channel. | EF | 2 CO |
| 108 | 58.4162 | -134.5937 | Stream ends here at 50 ft wide pond that is currently disconnected from channel. Placed 5 minnow traps in the area. | MT | 18 CO |



Figure 1.—Rearing coho salmon captured near Mendenhall Lake.

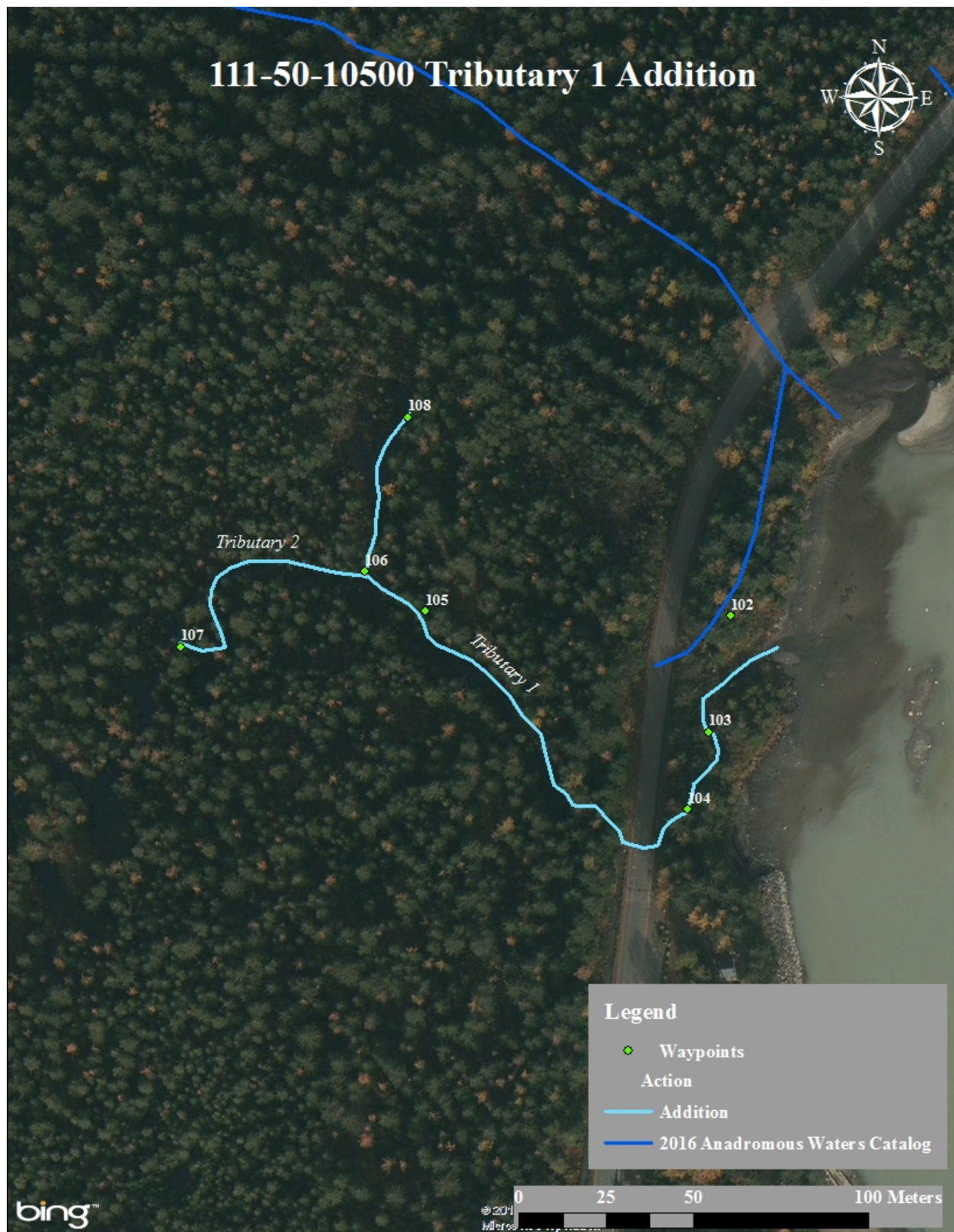


Figure 2.-111-50-10500-2015 (Tributary 1) addition map.

111-50-10500-2015-3015**ADDITION****Water body name:****Survey date:** 10/7/2016**Watershed:** Mendenhall River-Frontal Gastineau Channel**Species & Lifestage:** COr**MTR:** C040S066E **Quad:** Juneau B-2**Findings:** We surveyed this stream using minnow traps, a backpack electrofisher, and a GPS and found rearing coho salmon (Table 1, Figure 1).**Recommendations:** Add this stream to the catalog.**Nomination:** 17-508

Table 1.–111-50-10500-2015-3015 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 102 | 58.4157 | -134.5921 | Start survey at lake confluence. | EF | 2 CO |
| 103 | 58.4154 | -134.5922 | | EF | 3 CO |
| 104 | 58.4152 | -134.5923 | Culvert outlet. | EF | 3 CO |
| 105 | 58.4157 | -134.5936 | Wide wetland type channel. | EF | 1 CO |
| 106 | 58.4158 | -134.5939 | Confluence of slough, proceeding up slough. | EF | 1 CO |
| 107 | 58.4156 | -134.5948 | Fish caught, moving back to main channel. | EF | 2 CO |
| 108 | 58.4162 | -134.5937 | Stream ends here at 50 ft wide pond that is currently disconnected from channel. Placed 5 minnow traps in the area. | MT | 18 CO |

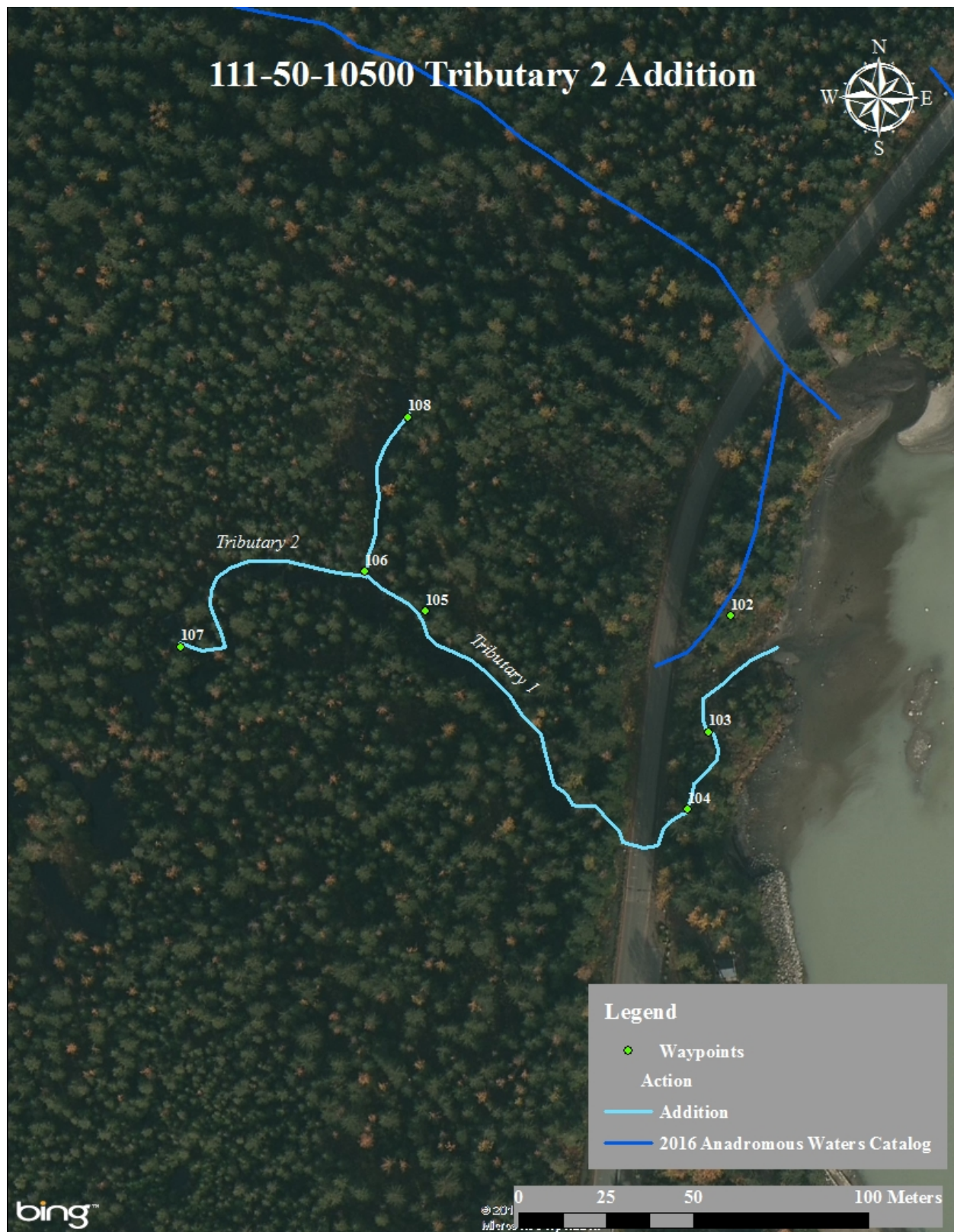


Figure 1.-111-50-10500-2015-3015 (Tributary 2) addition map.

111-50-10500-2019**CORRECTION****Water body name:****Survey date:** 7/14/2010**Water body number:** 111-50-10500-2019**Species & Lifestage:** CO**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. | VI | CO |
| 4 | 58.4179 | -134.5970 | Thick vegetation, alder, and skunk cabbage. | | |
| 5 | 58.4183 | -134.5969 | Visual on lots of CO. | | |
| 6 | 58.4191 | -134.5960 | Becomes braided. | HN | CO |
| 7 | 58.4194 | -134.5957 | Captured CO. | | |
| 8 | 58.4209 | -134.5952 | | | |
| 9 | 58.4212 | -134.5946 | Gradient increasing slightly. | HN | CO |
| 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. | | |

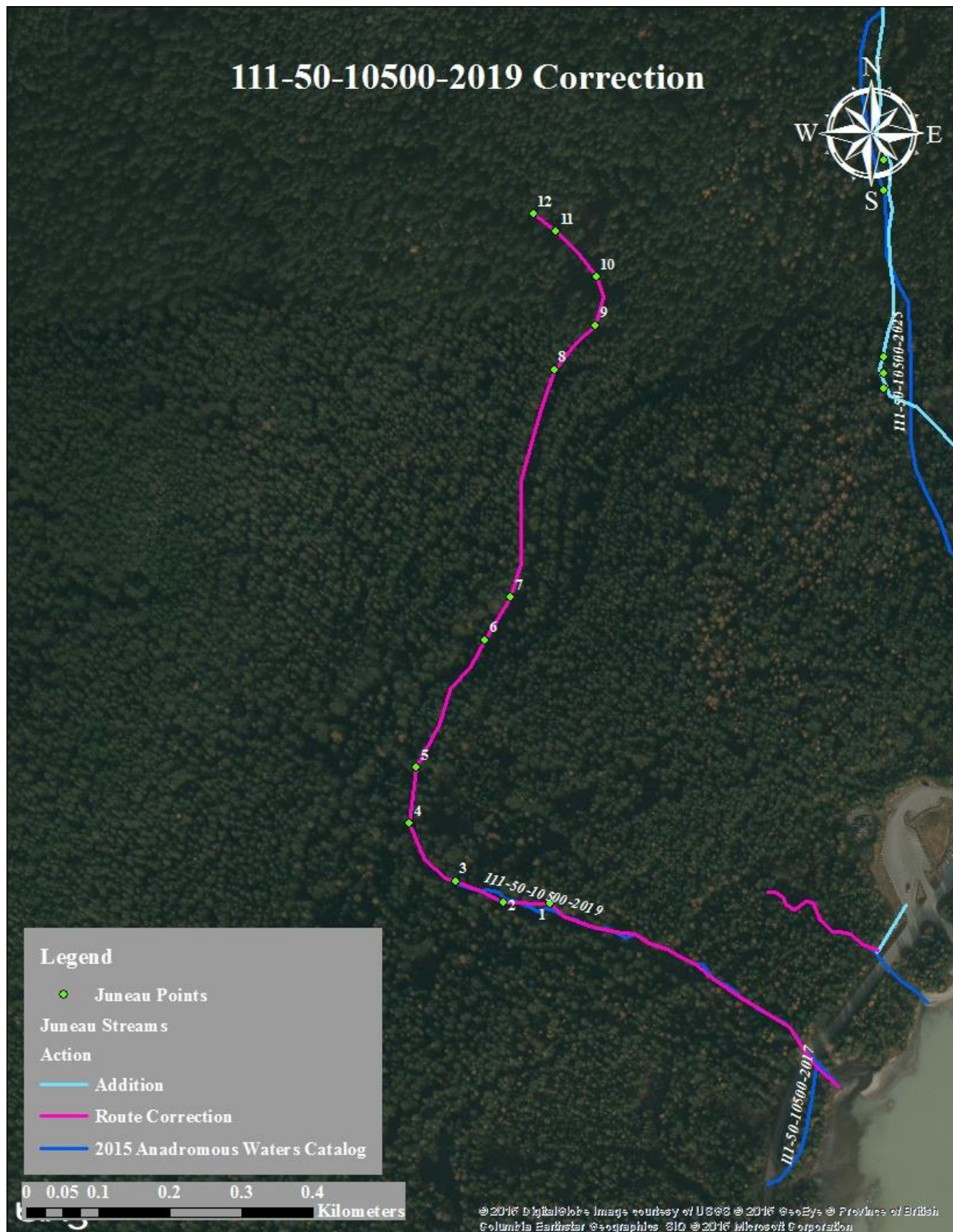


Figure 1.—111-50-10500-2019 correction map.

Juneau

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. | VI | 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**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. | VI | 4 |



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

Juneau

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.

Juneau

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

111-50-10625**CORRECTION****Water body name:****Survey date:** 1/15/2015**Water body number:** 111-50-10625**Species & Lifestage:** CO**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.

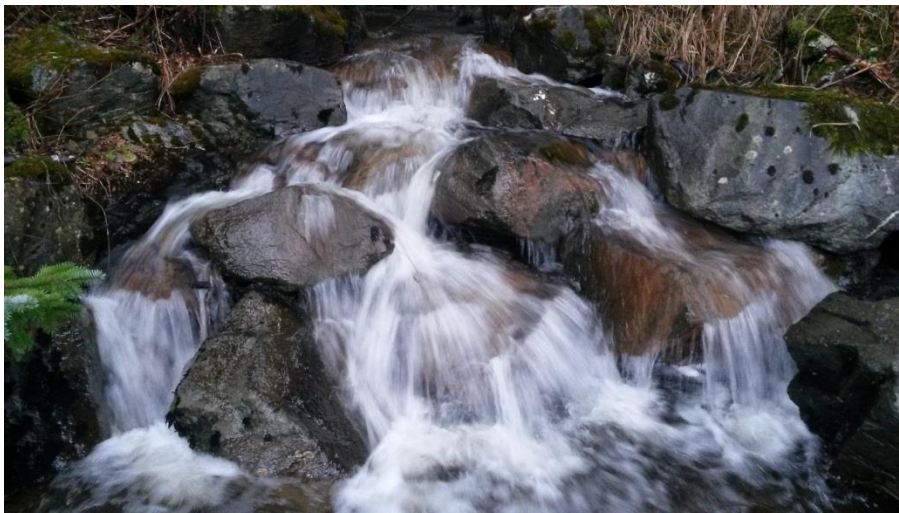


Figure 3.–Rock weir just above Glacier Highway culvert.



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

Juneau

111-50-10630**ADDITION****Water body name:****Survey date:** 2/25/2015**Water body number:** 111-50-10630**Species & Lifestage:** CO**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 barrier 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.

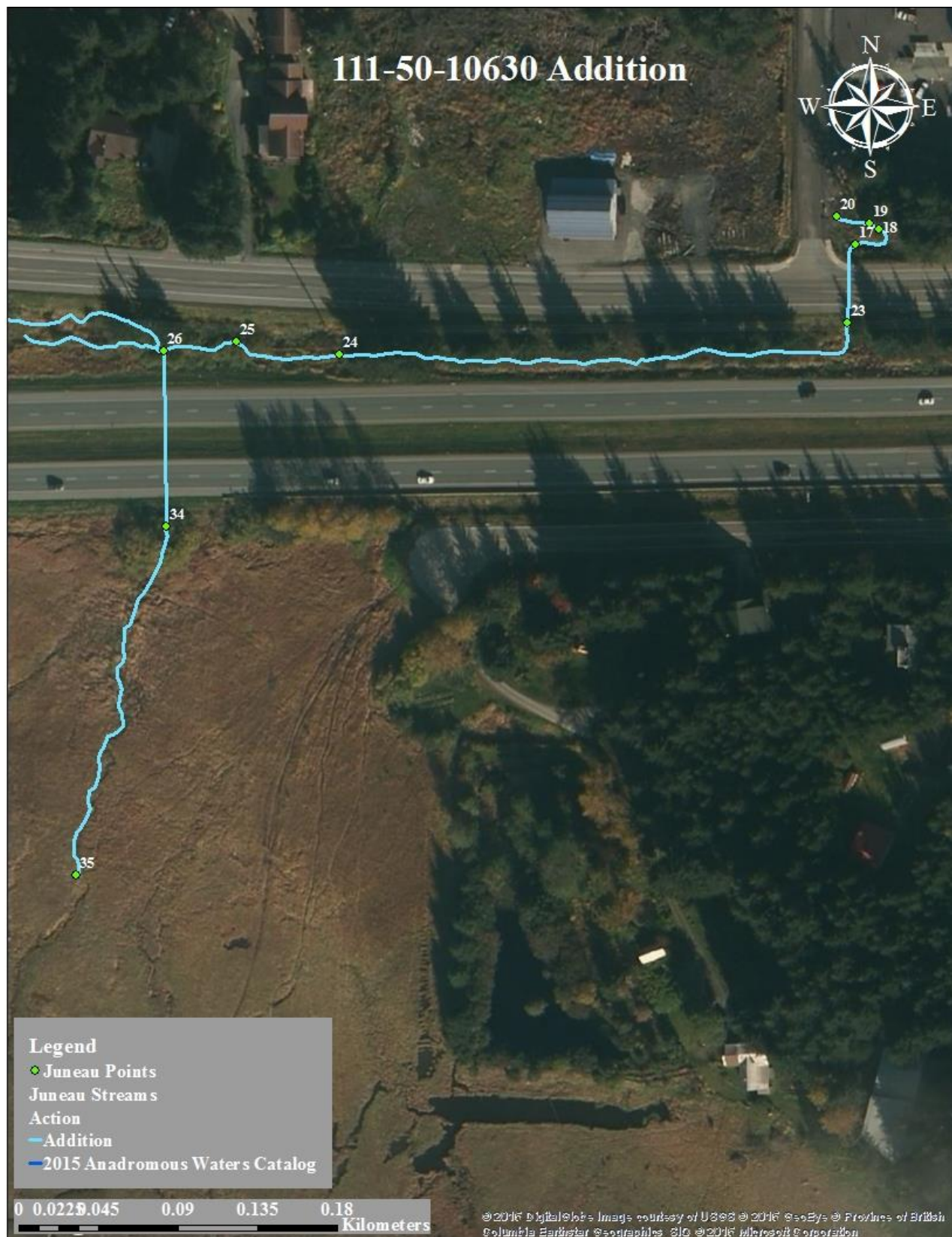


Figure 7.—111-50-10630 addition map.

111-50-10630

CORRECTION

Water body name:

Survey date: 4/4/2016

Watershed: Mendenhall River-Frontal Gastineau Channel

Species & Lifestage: COr

MTR: C040S066E **Quad:** Juneau B-2

Findings: The reach upstream of the Glacier Highway Culvert was constructed as a settling pond to capture sediment from the upstream facilities. The outlet culvert is covered by a fish exclusion screen (Figure 1).

Recommendations: Remove the portion of the stream above waypoint 17 (Table 1.)

Nomination: 16-561

Table 1.–111-50-10630 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|-------------------------------------|---------------|----------------|
| 17 | 58.3590 | -134.5331 | Inlet of culvert covered by screen. | | |



Figure 1.–Culvert with fish exclusion screen.

111-50-10750-2027**CORRECTION****Water body name:****Survey date:** 10/17/2013 and 12/7/2015**Watershed:** Lynn Canal**Species & Lifestage:** CTpr, DVr**MTR:** C041S066E **Quad:** Juneau B-2

Findings: Rick Hoffman and Tess Quinn surveyed this stream with a backpack electrofisher and found rearing coho up to waypoint 1117 (Table 1). They submitted a route correction, but did not request shortening of the stream. This survey, the original nomination (attached), and my 2015 survey document only resident Dolly Varden char and cutthroat trout above waypoint 1117.

Recommendations: Correct this stream's course to reflect upper-most capture of anadromous fish at waypoint 1117 (Figure 1).

Nomination: 16-569

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

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|---|---------------|----------------|
| 1078 | 58.2915 | -134.6632 | Starting tracking on RL tributary. | | |
| 1079 | 58.2914 | -134.6624 | Undercut banks and gravel substrate. | EF | 1 CO 50mm |
| 1080 | 58.2914 | -134.6623 | | EF | 1 CO 35mm |
| 1081 | 58.2913 | -134.6616 | Captured under a undercut bank. | EF | 1 CO, 1 CT |
| 1082 | 58.2912 | -134.6616 | | EF | 1 CO 35mm |
| 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. | VI | 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 RL. Tracking up. | | |
| 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. | | |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 1098 | 58.2896 | -134.6584 | | EF | 1 CO |
| 1099 | 58.2896 | -134.6584 | Conveyance stream on RL. | | |
| 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 RR. | | |
| 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 RL. | | |
| 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 |
| 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 |

Table 1.–Continued.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 1130 | 58.2898 | -134.6514 | Base of bedrock cascade above the proposed road crossing. | EF | No fish |
| 902 | 58.2896 | -134.6527 | December 7, 2015 survey. Station 47+00: begin DS survey here. | | |
| 903 | 58.2897 | -134.6518 | Station 47+00: xing location, 1 CT caught here previously. 0-60 m DS of xing from here = 15% grad with two 40 cm falls. Bedrock exposed at this location where 30 m CMP would be installed. Bridge not practical due to steep approach. Possibly arch? | MT | 1 CT |
| 904 | 58.2894 | -134.6525 | Station 47+00: 155-120 m DS of xing = 12% grad. | | |
| 905 | 58.2895 | -134.6522 | Station 47+00: 120-95 m DS of xing = 11% grad. | | |
| 906 | 58.2897 | -134.6522 | Station 47+00: 95-60m DS of xing = 13% grad. | EF | |
| 907 | 58.2898 | -134.6514 | Station 47+00: 0-23m US of xing = 12% grad, no fish. Start of bedrock chutes and barrier falls. | EF | |
| 908 | 58.2899 | -134.6510 | Station 47+00: 30m US of xing 145mm CT in plunge pool at base of 180 cm vertical bedrock falls. | EF | 1 CT |

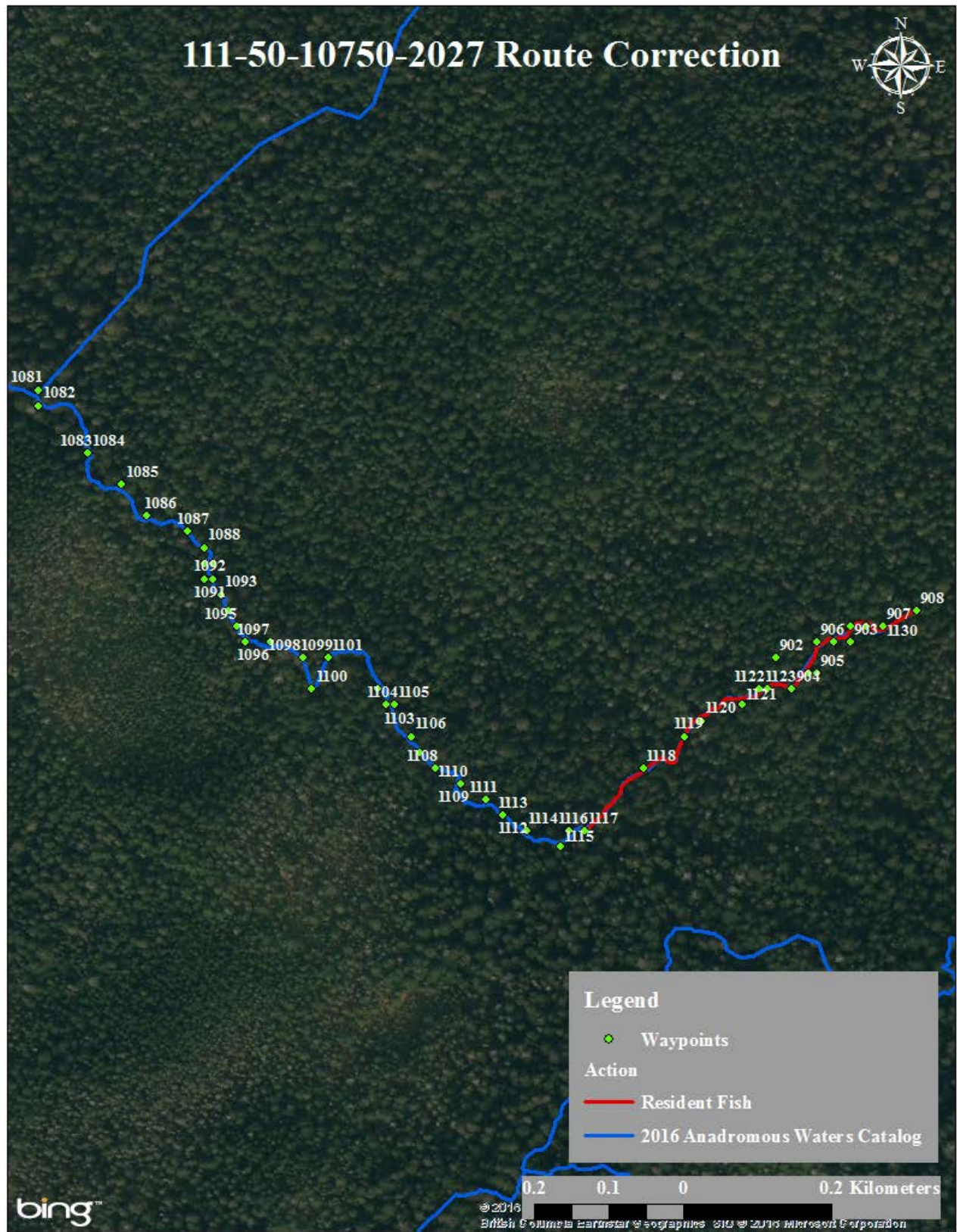


Figure 1.—111-50-10750-2027 route correction map.

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. | VI | 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 |

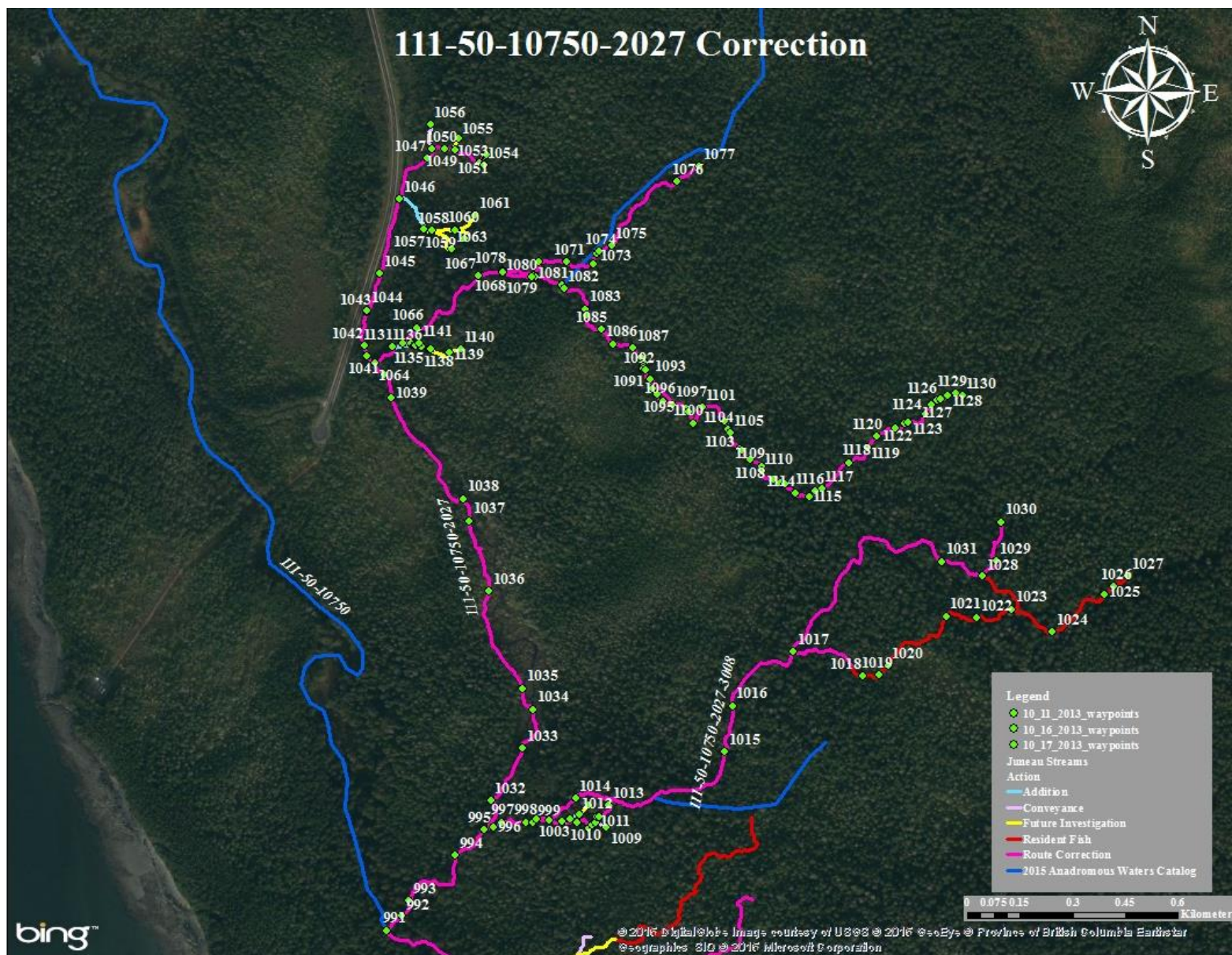


Figure 1.—111-50-10750-2027 correction map.

Juneau

111-50-10750-2027-3008**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. | VI | 2 CO |
| 1016 | 58.2856 | -134.6573 | Pair of adult coho salmon making a redd. | VI | 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. | VI | 1 CO |



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

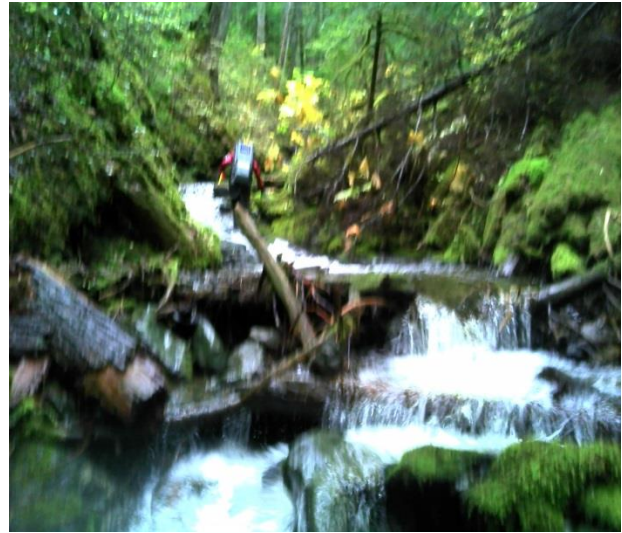


Figure 2.–Nicole Legere walking upstream.

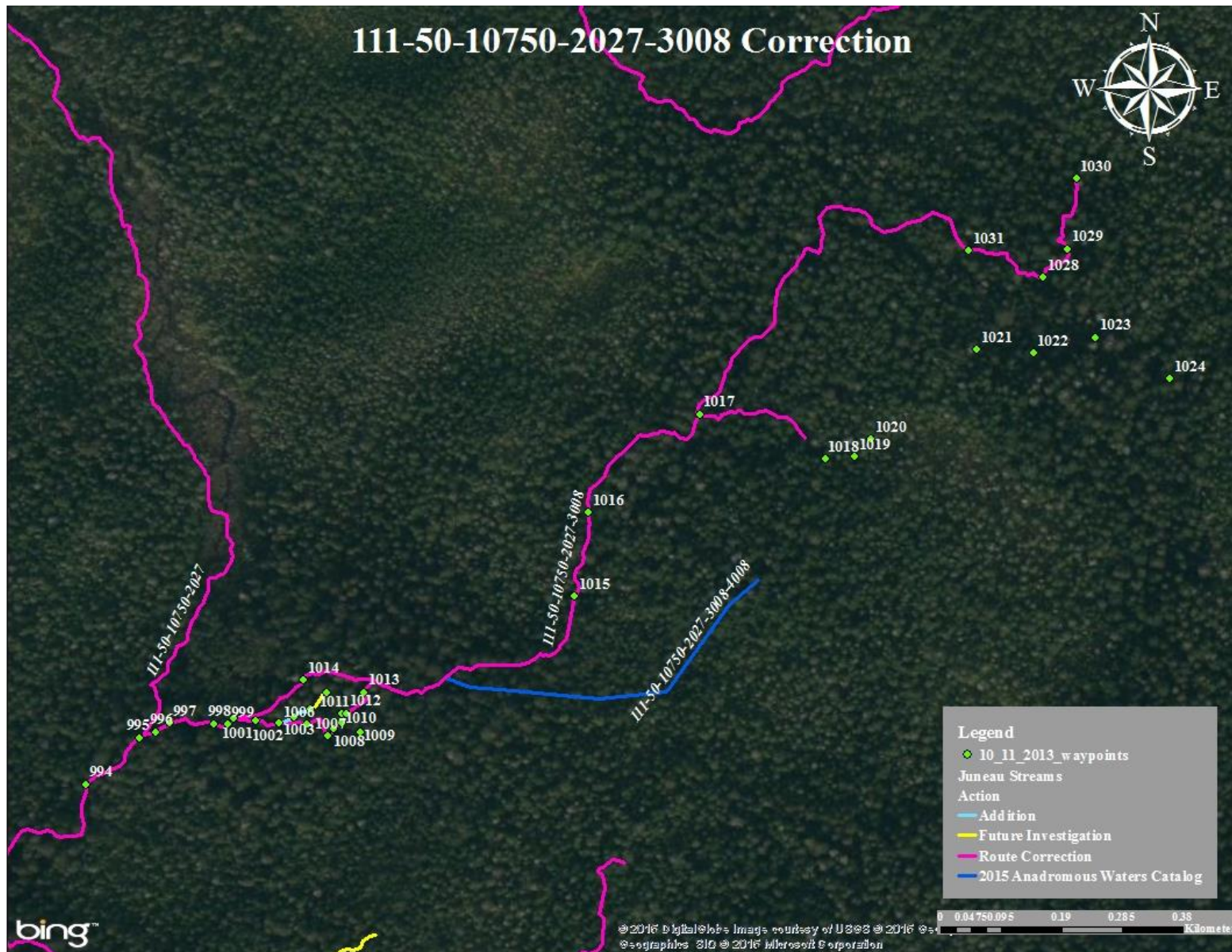


Figure 3.–111-50-10750-2027-3008 correction map.

Juneau

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.

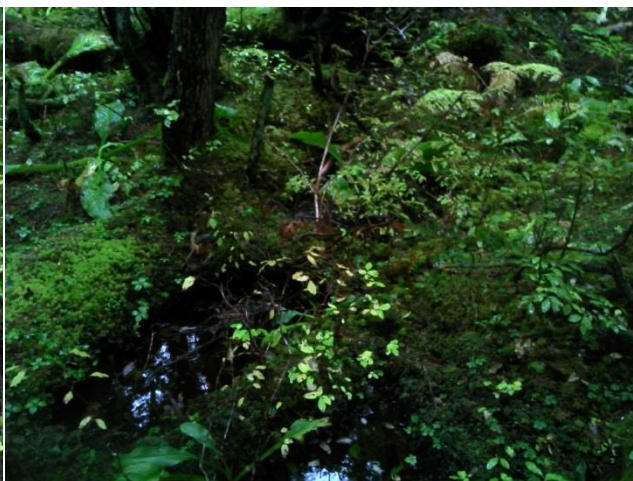


Figure 2.—Near the top where water is seeping out of the ground.

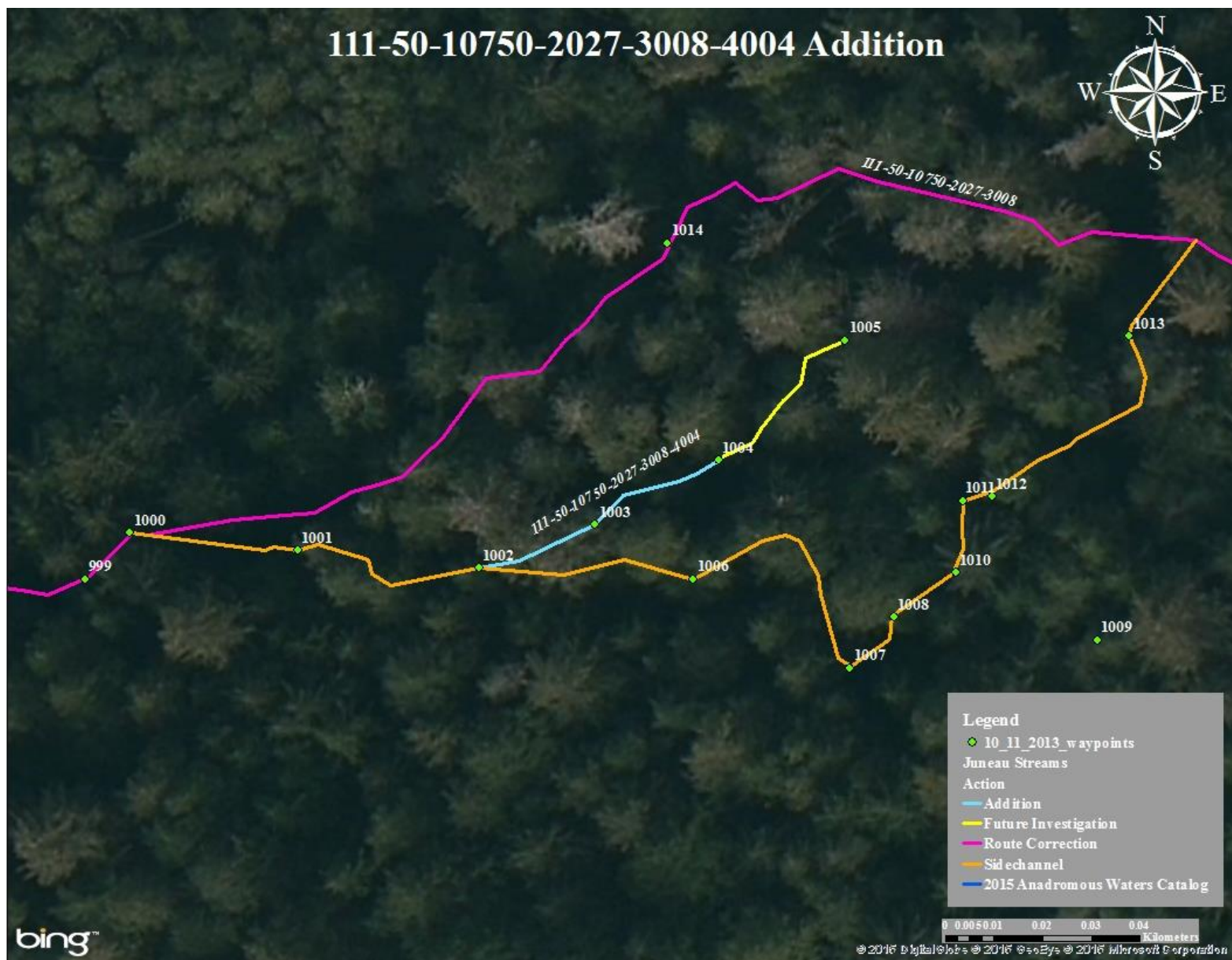


Figure 3.—111-50-10750-2027-3008-4004 addition map.

Juneau

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.

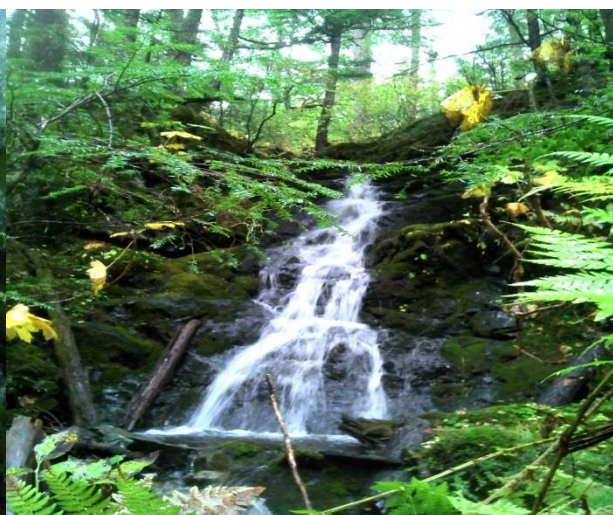


Figure 2.—15ft cascade waterfall.

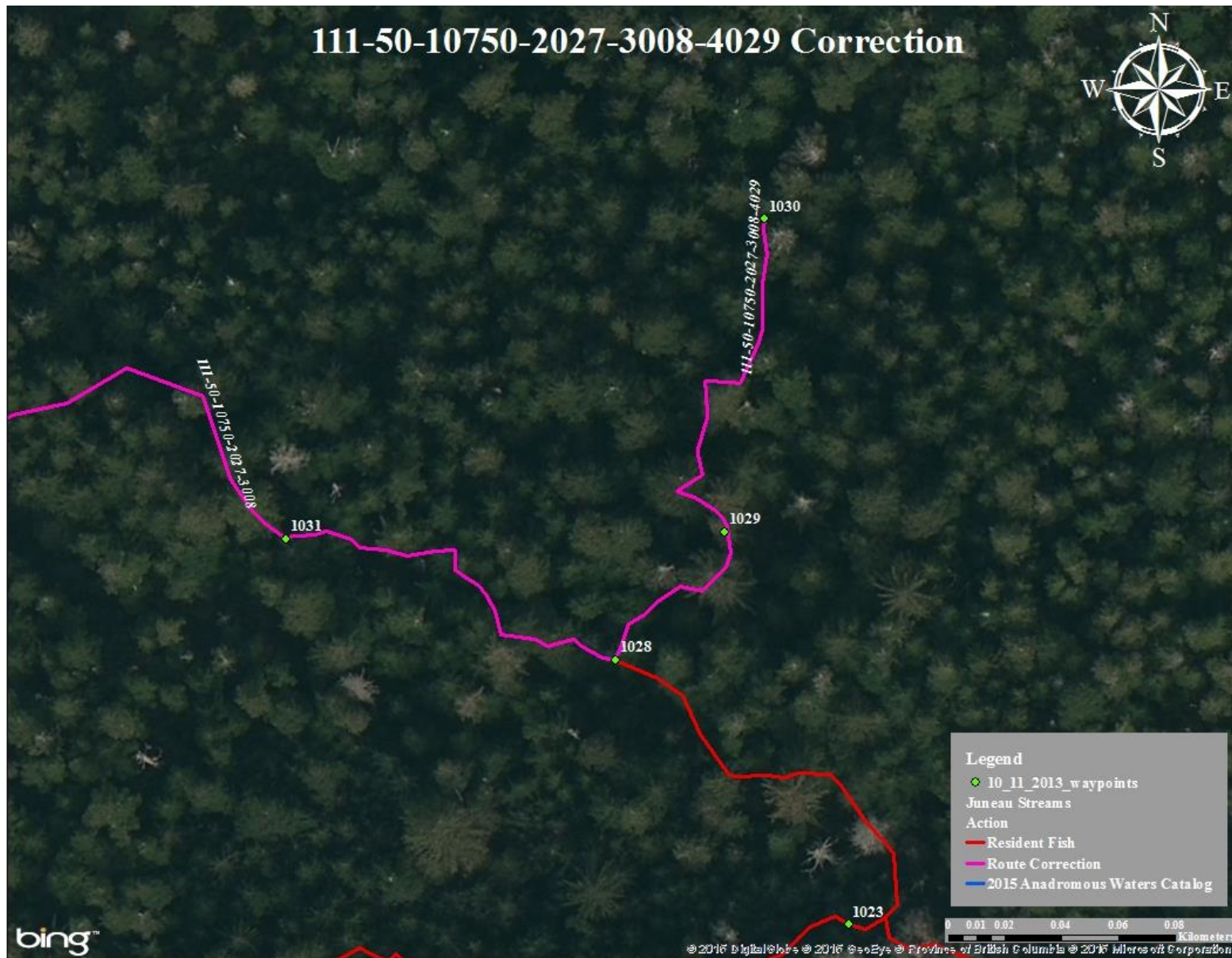


Figure 3.—111-50-10750-2027-3008-4029 correction map.

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. | | |

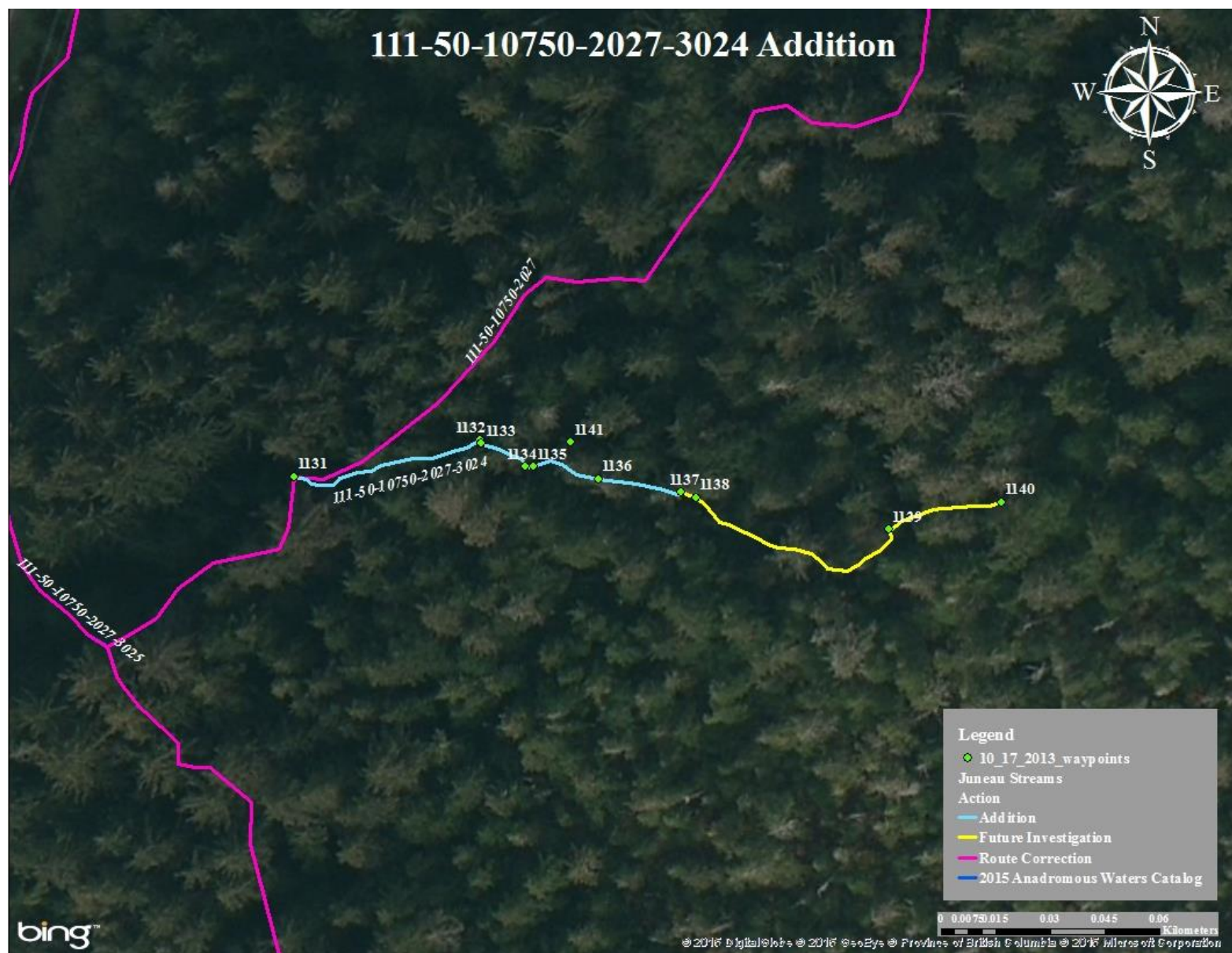


Figure 1.—111-50-10750-2027-3024 addition map.

Juneau

111-50-10750-2027-3025-4100**ADDITION****Water body name:****Survey date:** 10/16/2013**Water body number:** 111-50-10750-2027-3025-4100**Species & Lifestage:** CO**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 |

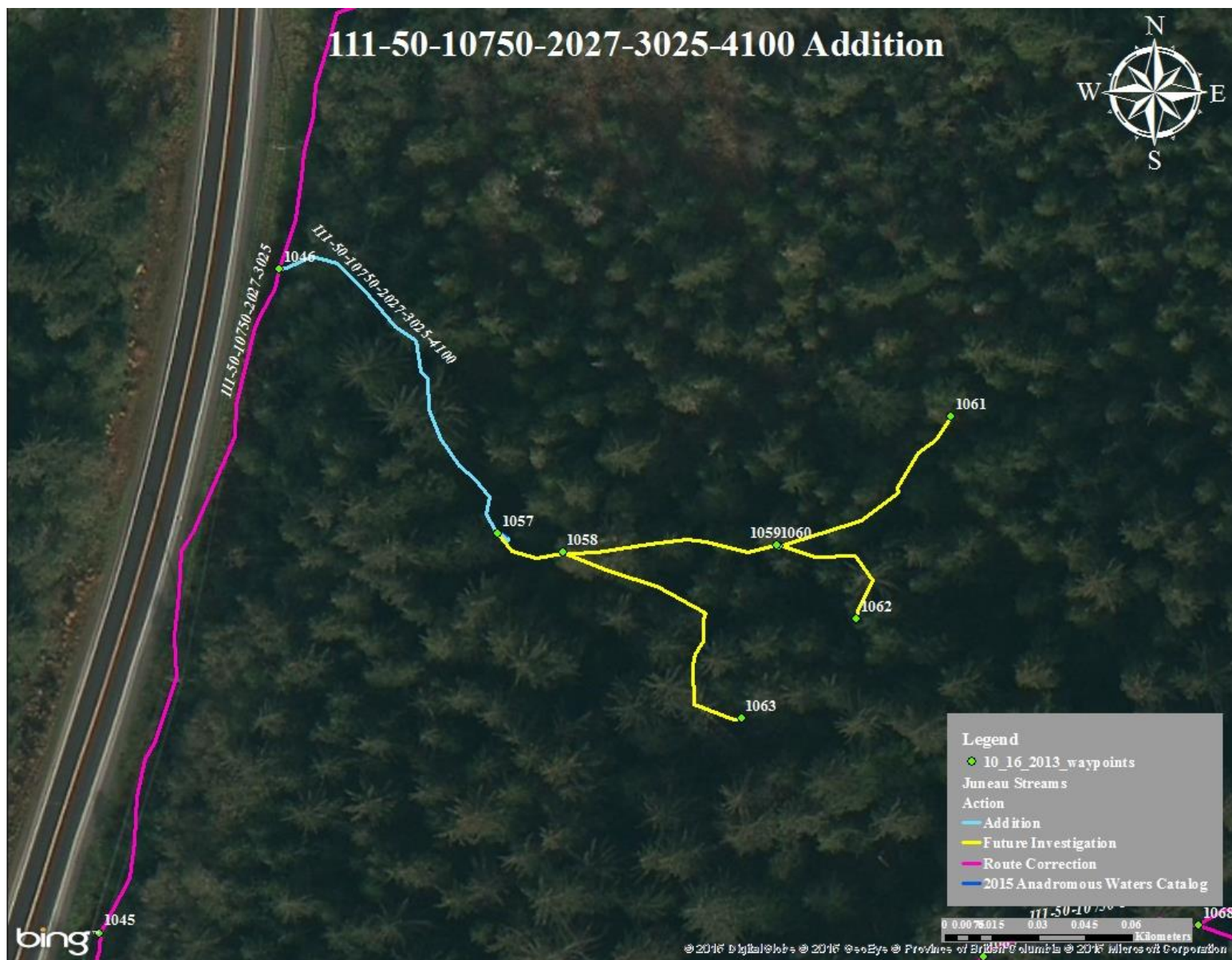


Figure 1.-111-50-10750-2027-3025-4100 addition map.

Juneau

111-50-10750-2031**ADDITION****Water body name:****Survey date:** 10/8/2013**Water body number:** 111-50-10750-2031**Species & Lifestage:** CO**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 salmonid that got into murky substrate before it could be captured. | VI | 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 |

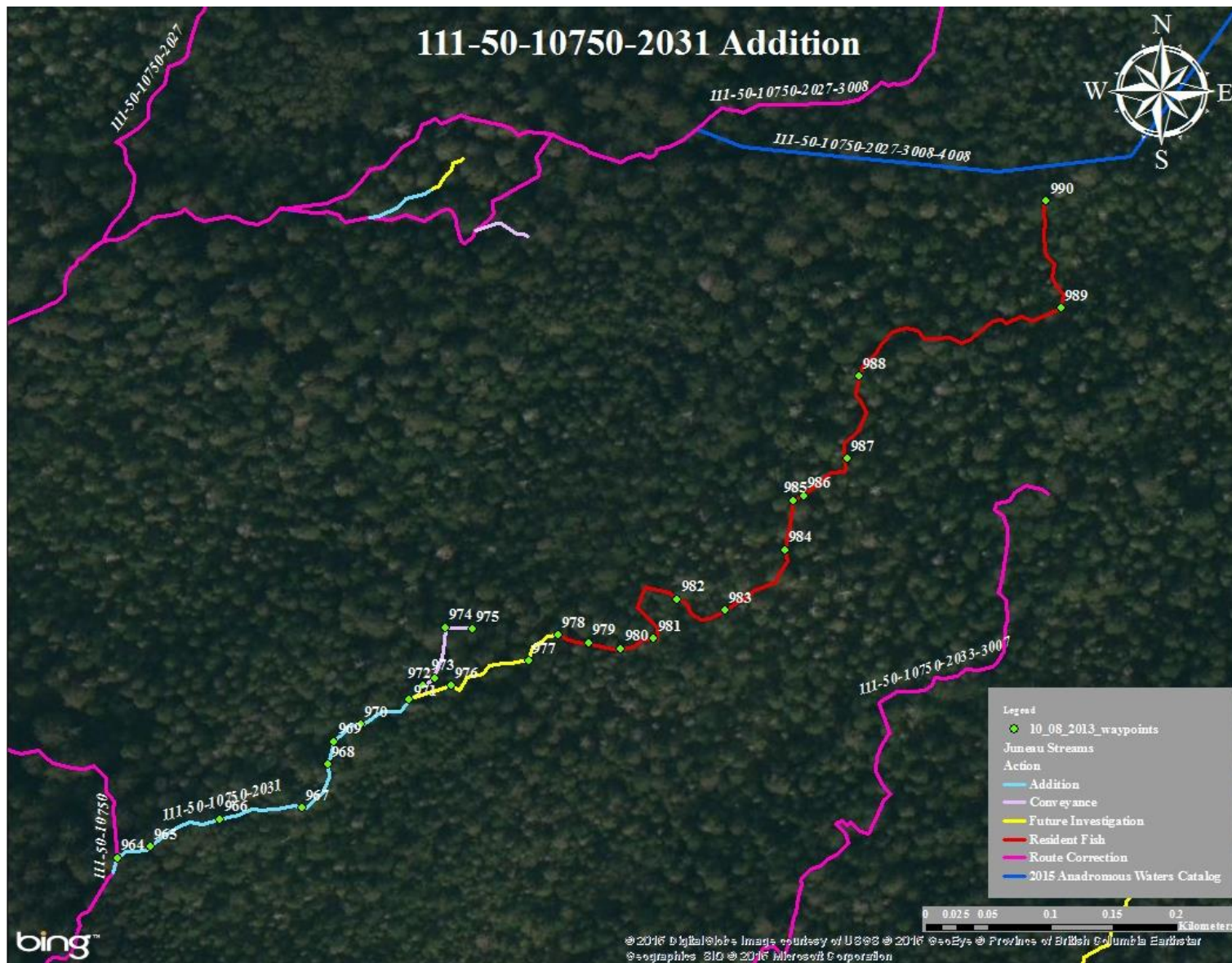


Figure 1.–111-50-10750-2031 addition map.

111-50-10750-2033**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. | VI | 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. | VI | 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.

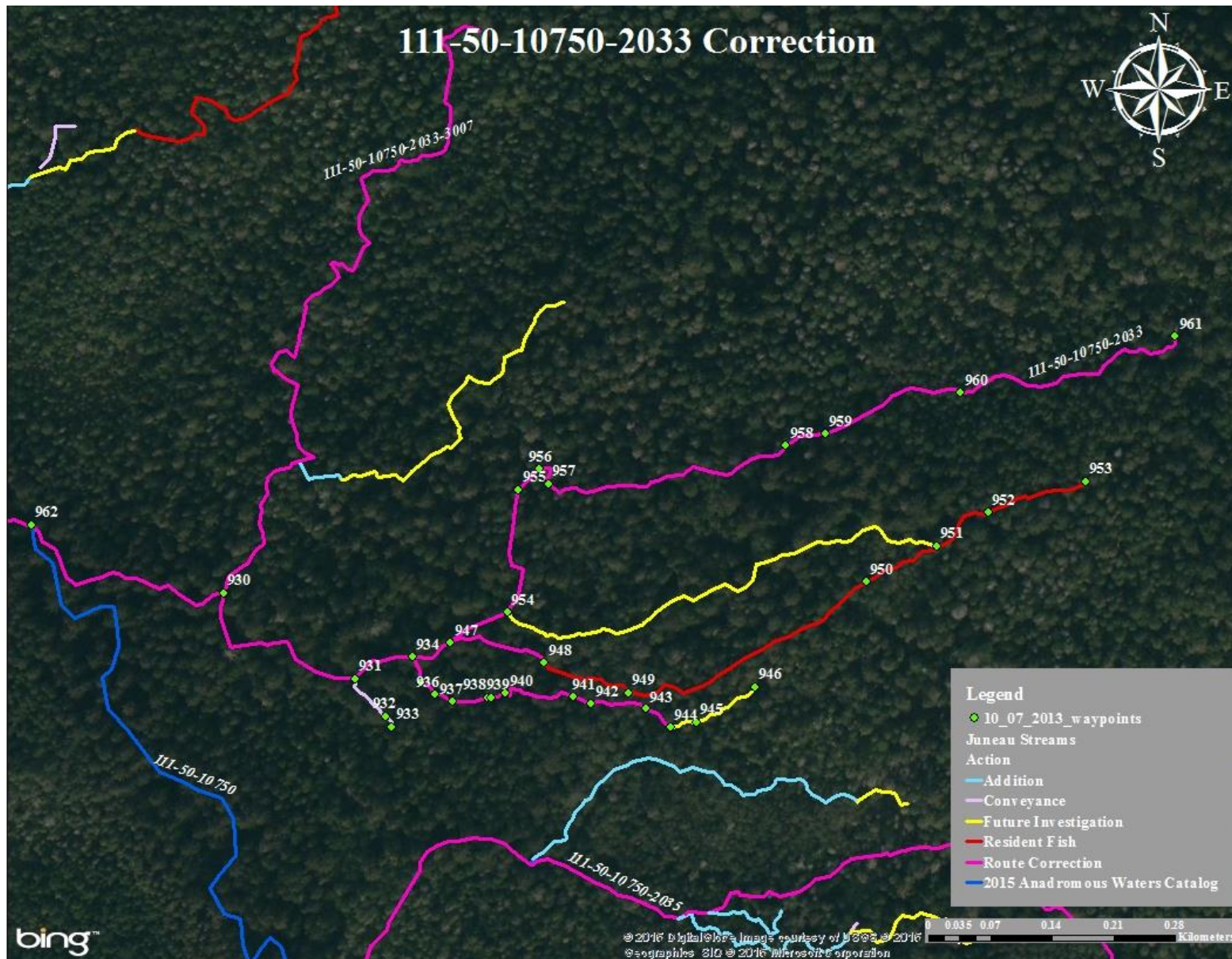


Figure 2.—111-50-10750-2033 correction map.

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.

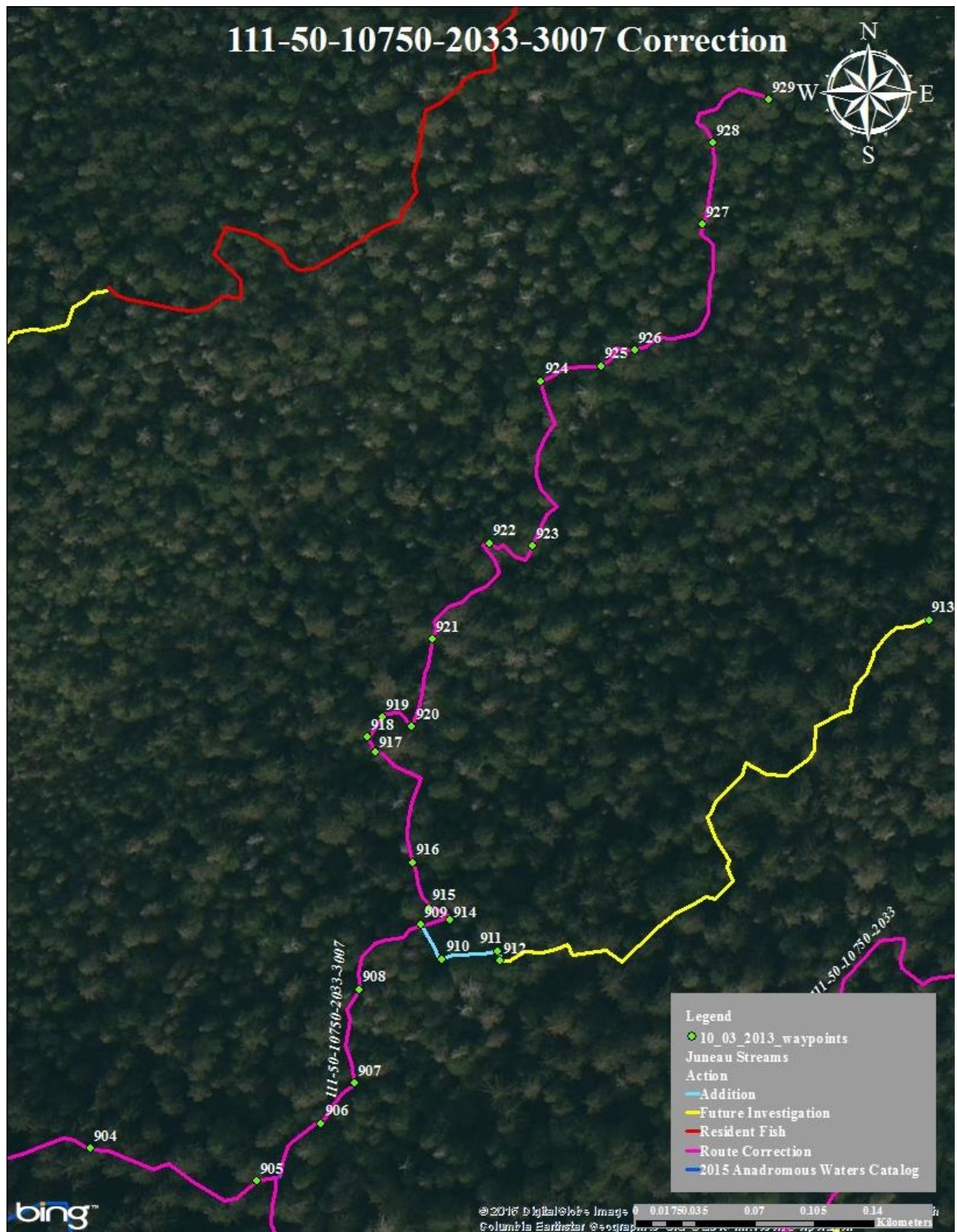


Figure 2.—111-50-10750-2033-3007 correction map.

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: CO

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.

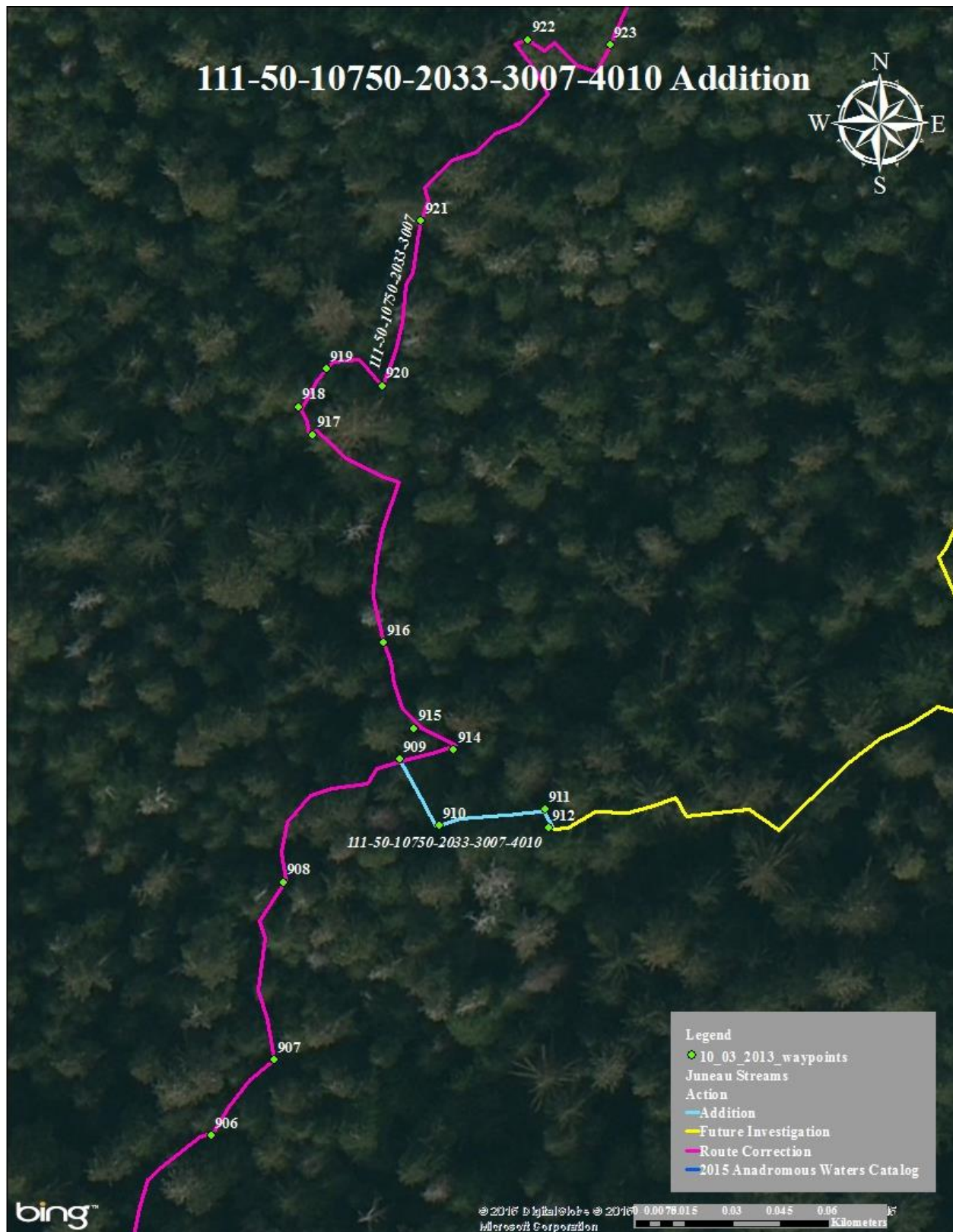


Figure 2.—111-50-10750-2033-3007-4010 addition map.

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 |

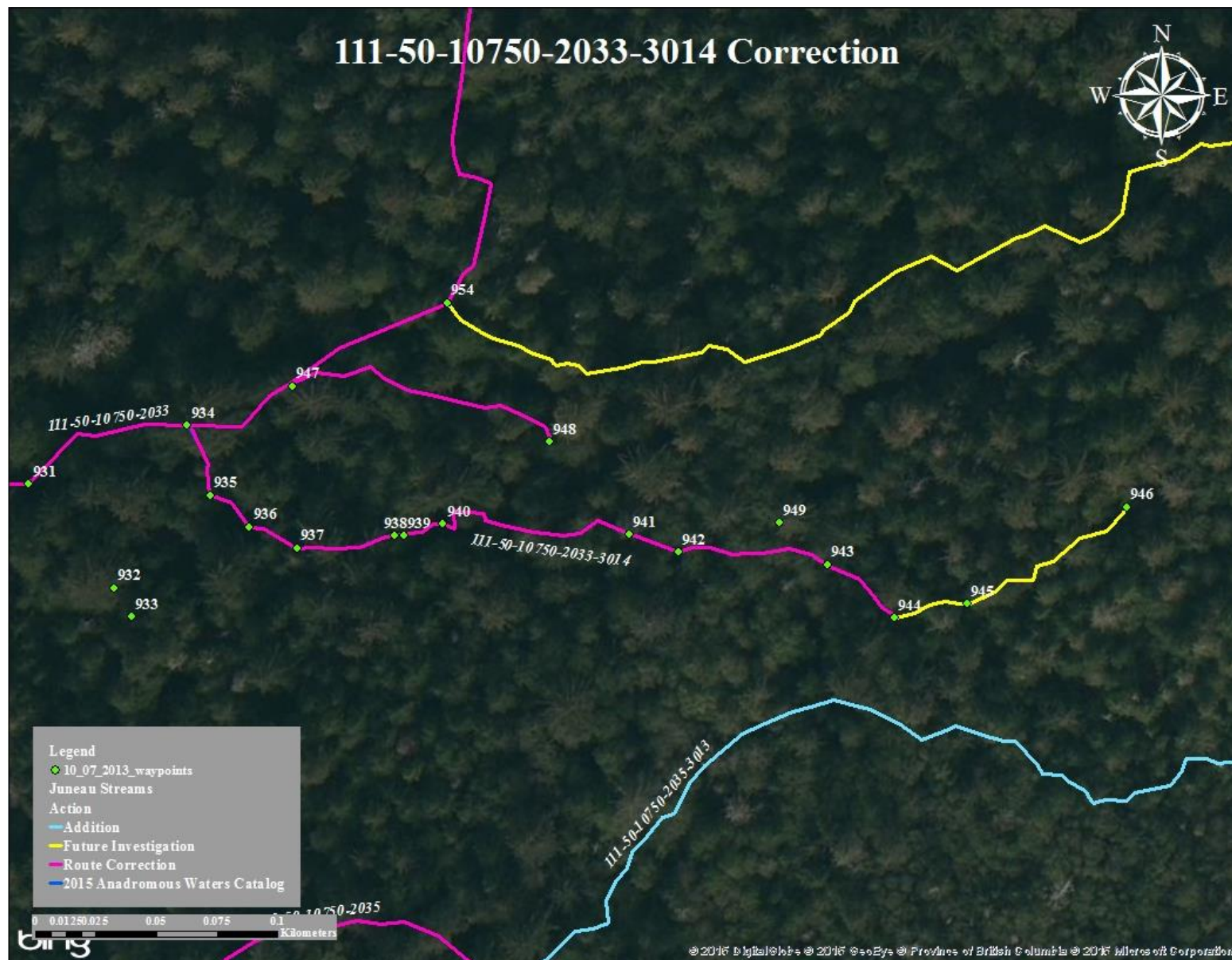


Figure 1.–111-50-10750-2033-3014 correction map.

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 |

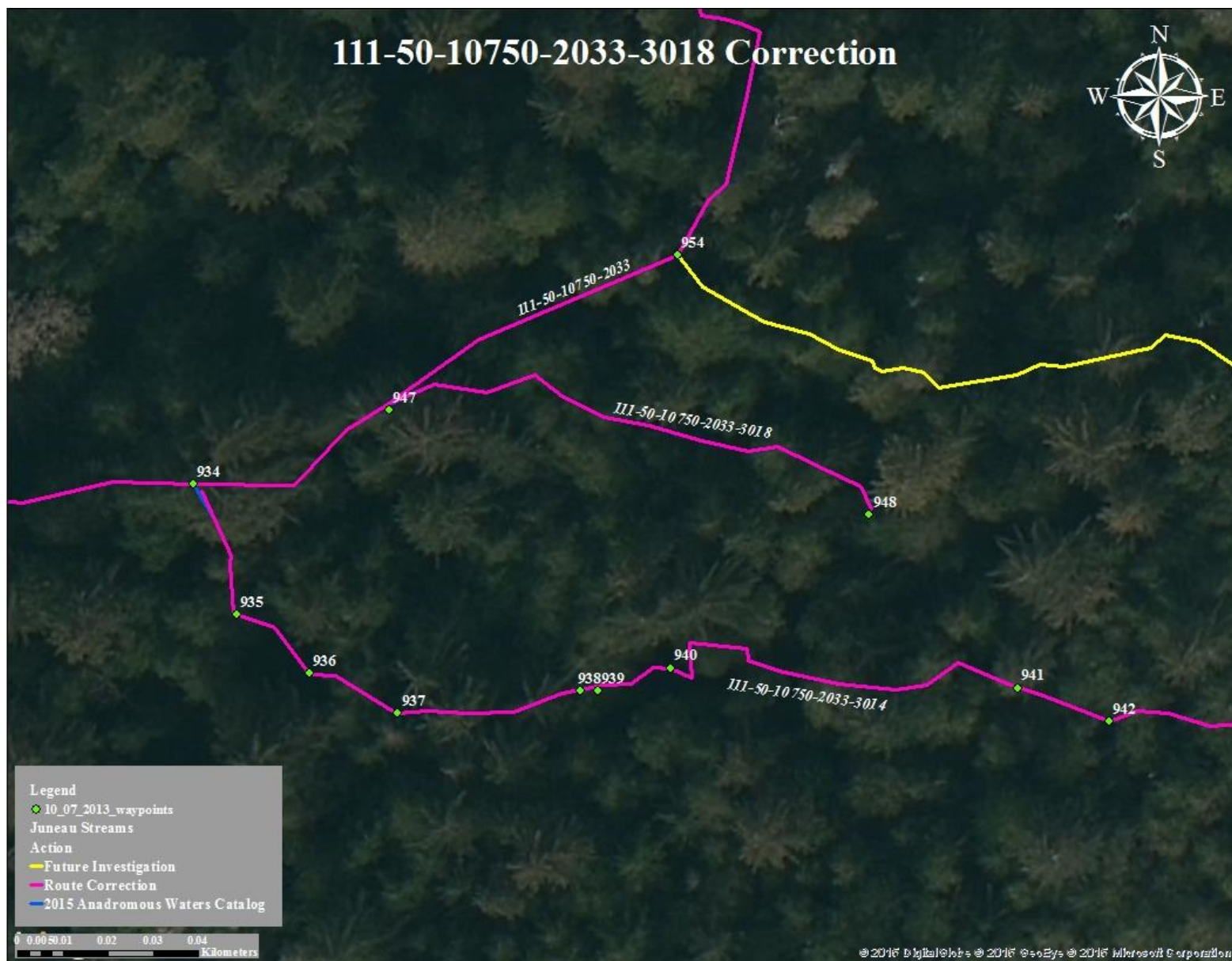


Figure 1.—111-50-10750-2033-3018 correction map.

Juneau

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. | VI | 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.

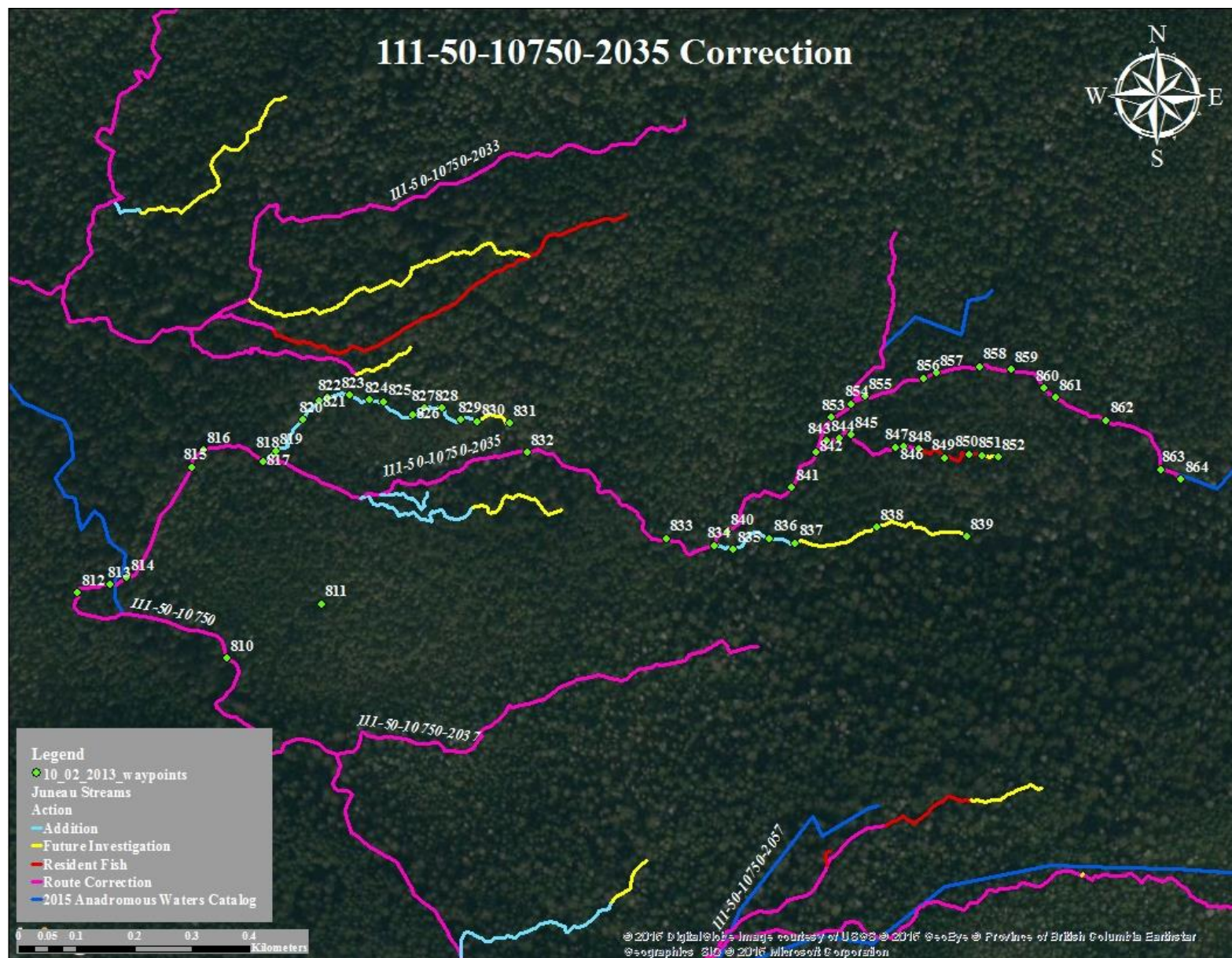


Figure 2.—111-50-2035 correction map.

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:** CO**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 |

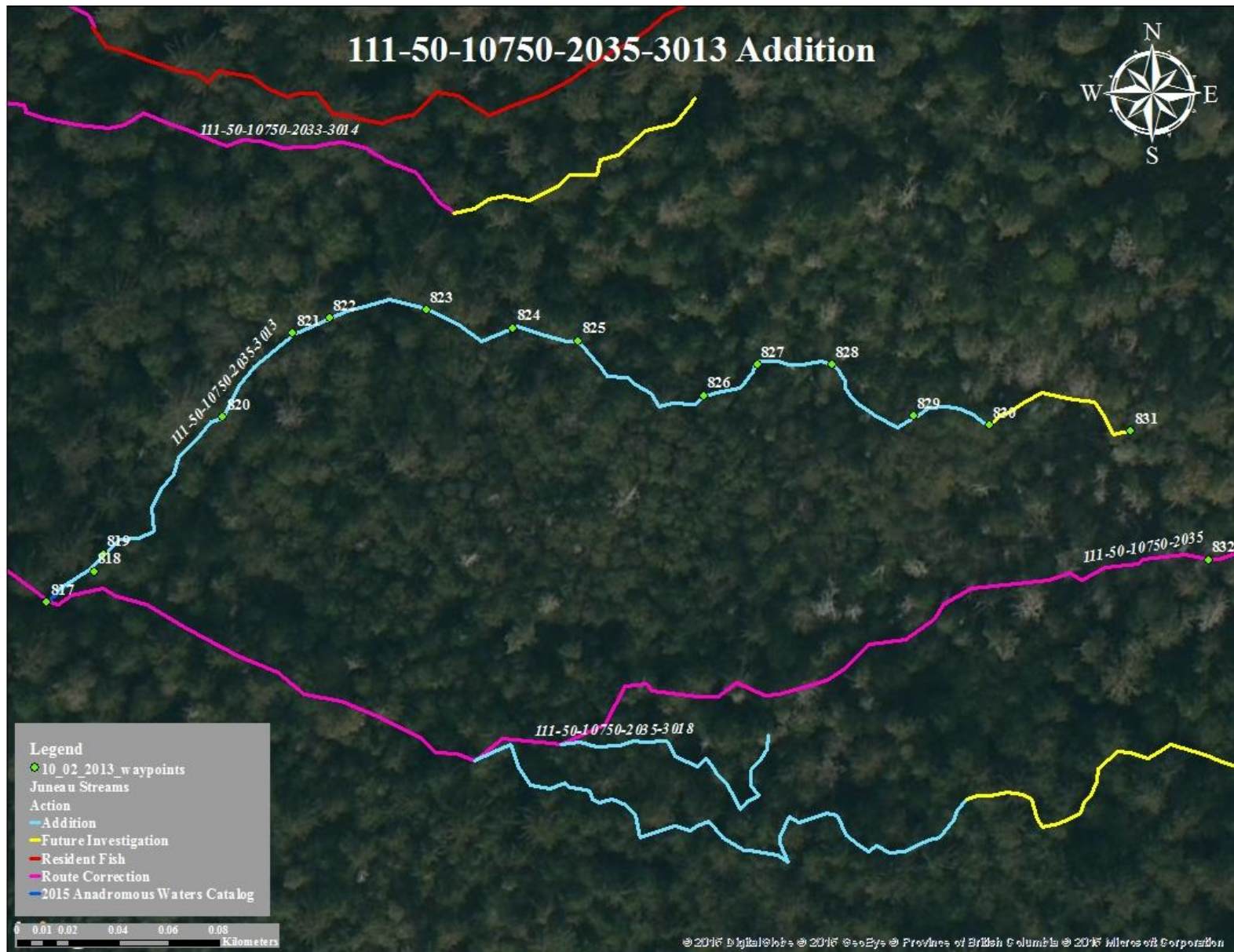


Figure 1.—111-50-10750-2035-3013 addition map.

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:** CO**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 |

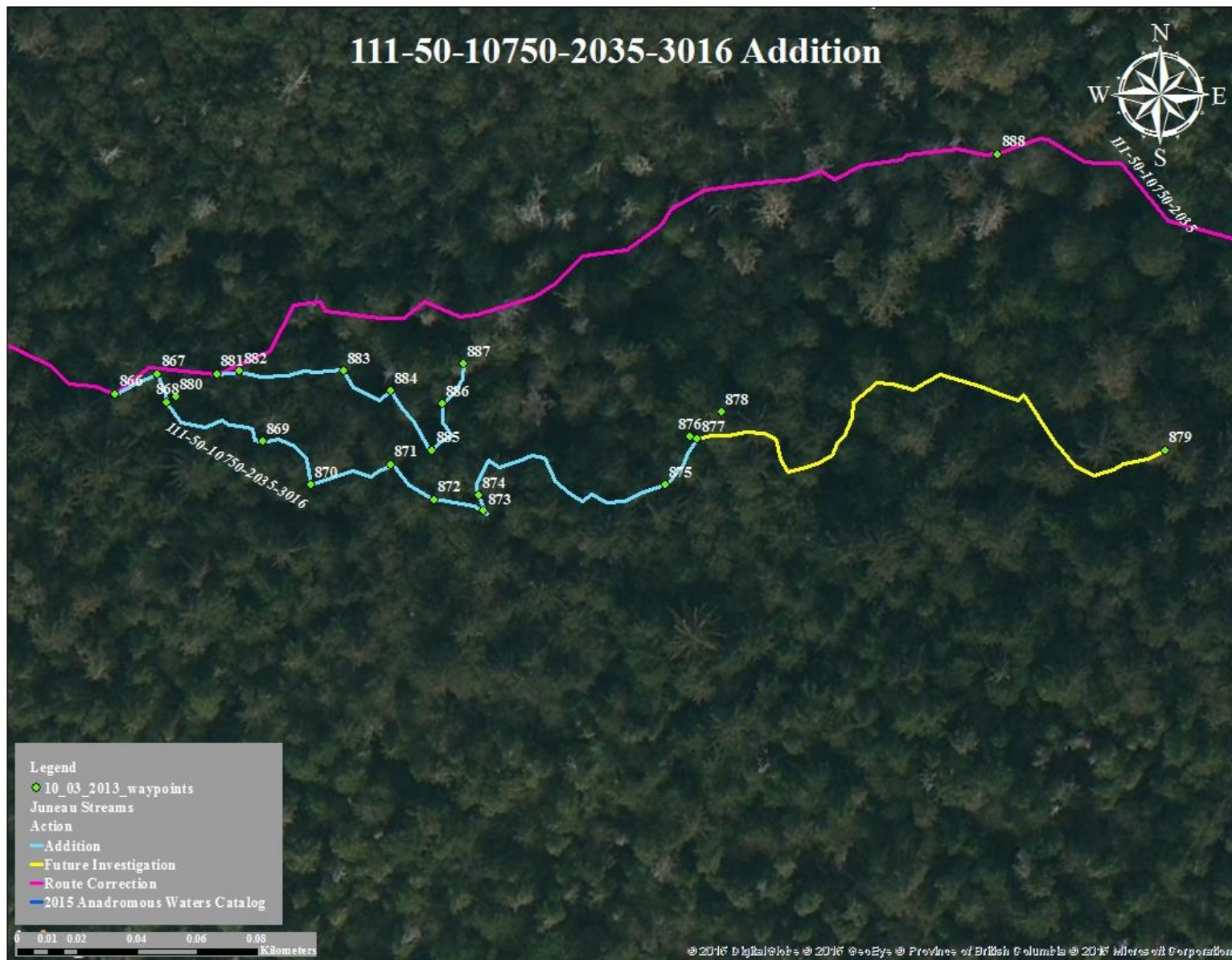


Figure 1.–111-50-10750-2035-3016 addition map.

Juneau

111-50-10750-2035-3018**ADDITION****Water body name:****Survey date:** 10/3/2013**Water body number:** 111-50-10750-2035-3018**Species & Lifestage:** CO**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 |

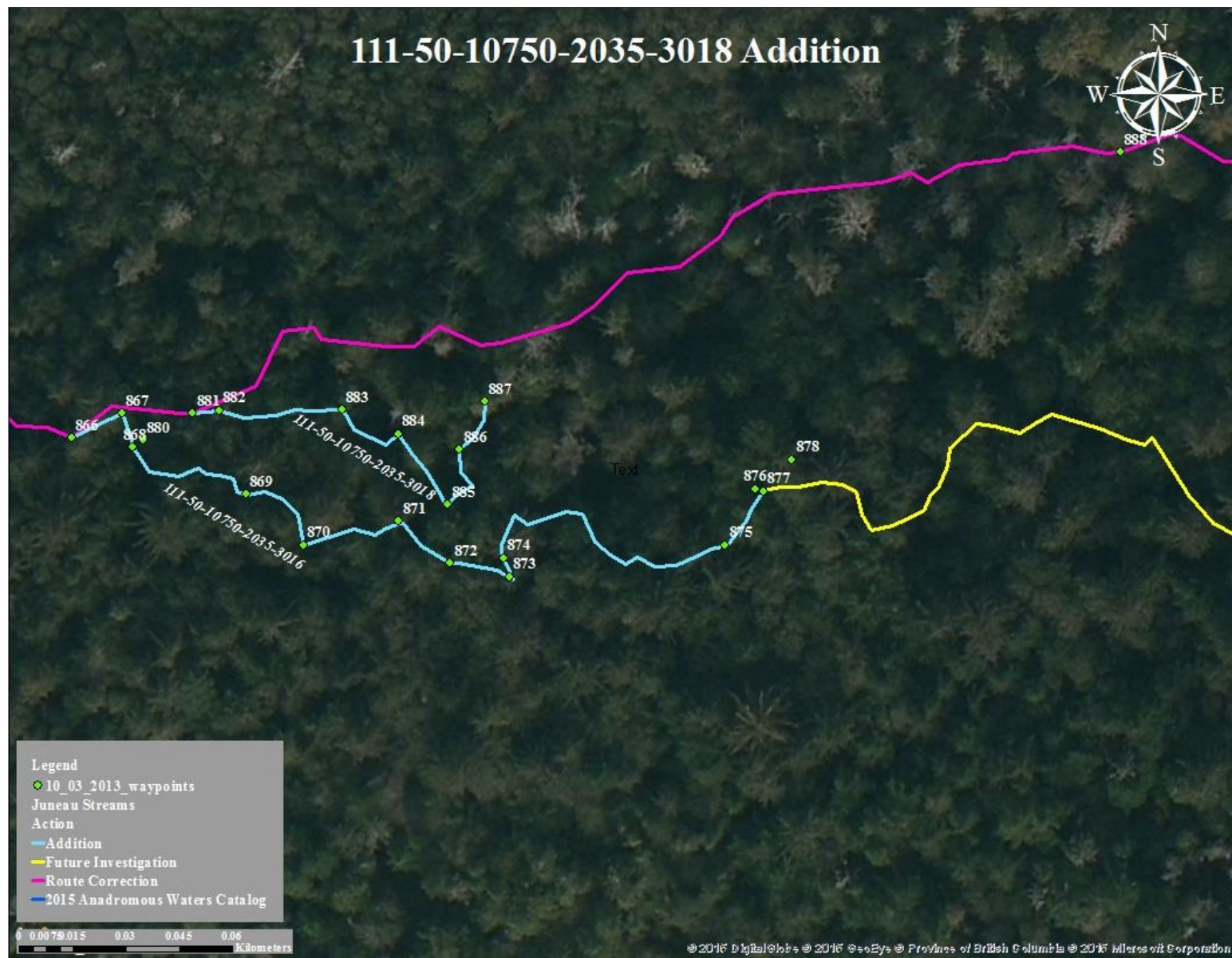


Figure 1.—111-50-10750-2035-3018 addition map.

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:** CO**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.

Juneau

111-50-10750-2035-3030

CORRECTION

Water body name:

Survey date: 10/2/2013

Water body number: 111-50-10750-2035-3030

Species & Lifestage: CO_r, DV_r, CT_r

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.

Juneau

111-50-10750-2035-3035

CORRECTION

Water body name:

Survey date: 10/3/2013

Water body number: 111-50-10750-2035-3035

Species & Lifestage: CO_r, DV_r, CT_r

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.

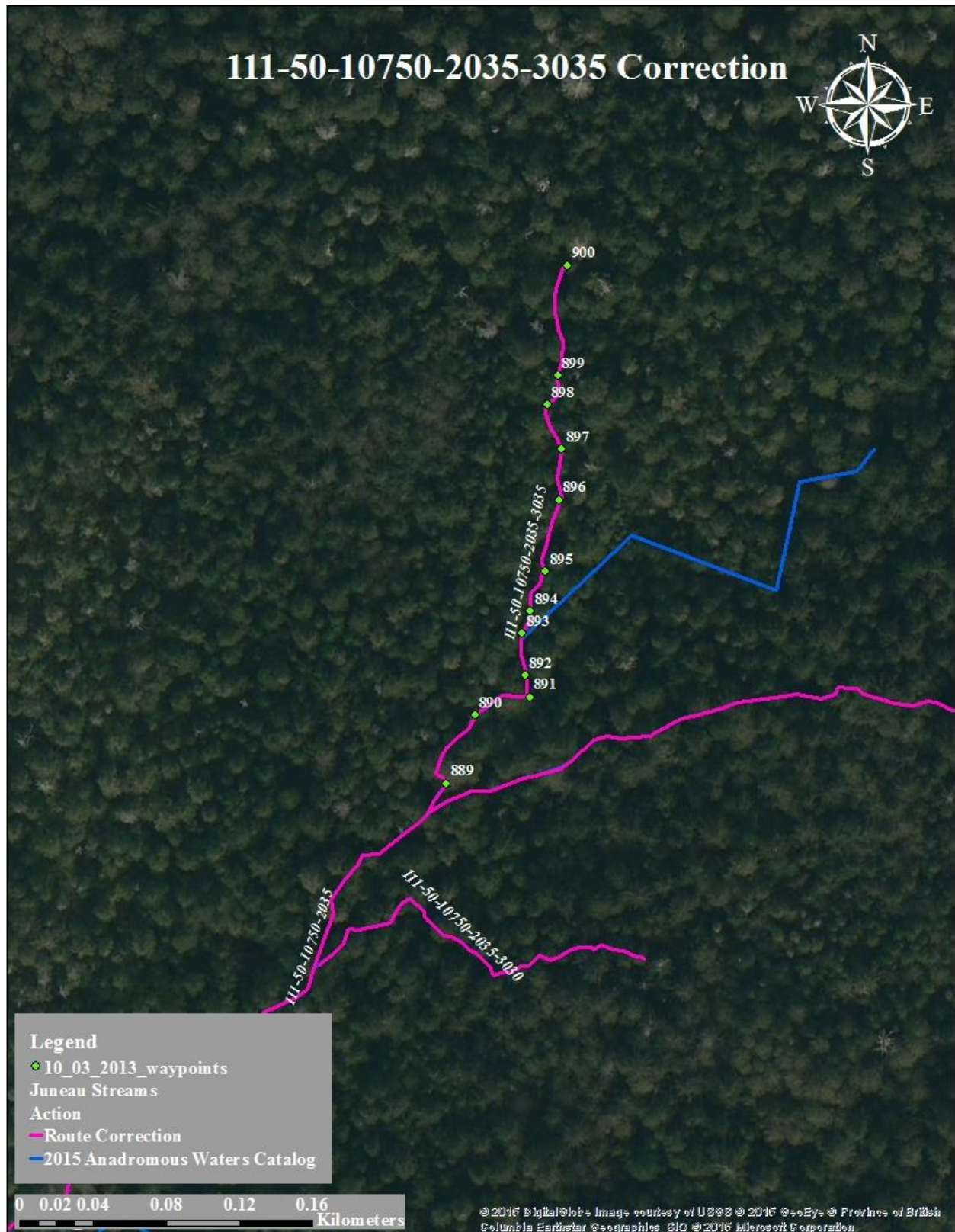


Figure 2.—111-50-10750-2035-3035 correction map.

111-50-10750-2037

CORRECTION

Water body name:

Water body number: 111-50-10750-2037

Watershed: Admiralty Island-Frontal Lynn Canal

MTR: C041S066E **Quad:** Juneau B-2

Survey date: 10/1/2013

Species & Lifestage: COr, DVr, CTr

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

111-50-10750-2041

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. | VI | 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.

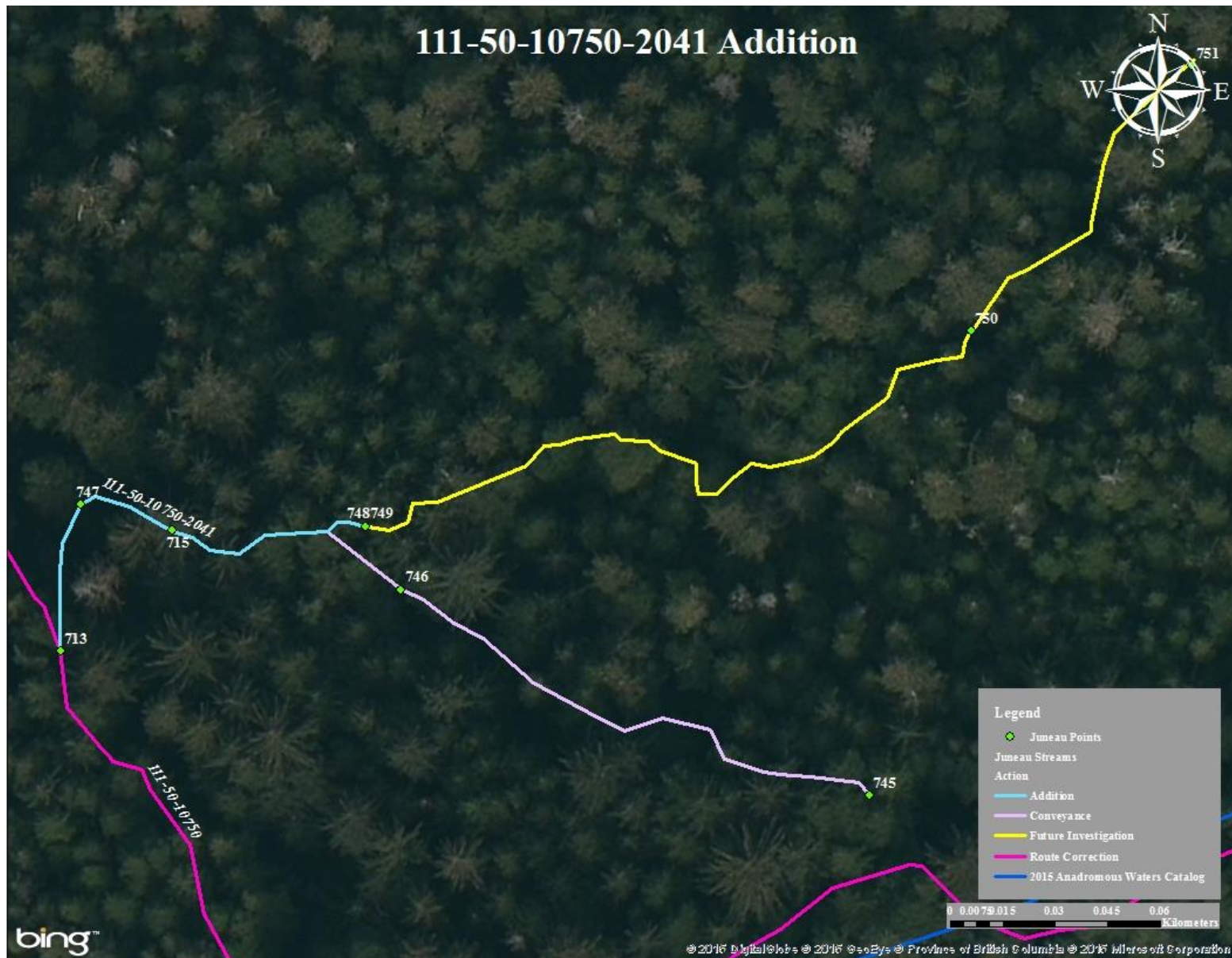


Figure 3.—111-50-10750-2041 addition map.

Juneau

111-50-10750-2042**CORRECTION****Water body name:****Survey date:** 9/23/2013 and 12/8/2015**Watershed:** Admiralty Island-Frontal Lynn Canal**Species & Lifestage:** CTr, DVr**MTR:** C041S066E **Quad:** Juneau B-2

Findings: Rick Hoffman and Tess Quinn surveyed this drainage using a backpack electrofisher and observed spawning pink salmon before encountering a suspected barrier to migration (Table 1). The original nomination (attached) and my 2015 survey document only resident Dolly Varden char and cutthroat trout above the suspected barrier.

Recommendations: Correct this stream's course to reflect the upper-most observation of anadromous fish at waypoint 724 (Figure 1).

Nomination: 16-570

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

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|----------------|
| 721 | 58.2708 | -134.6487 | Tributary on river right. Equal flows. | | |
| 722 | 58.2707 | -134.6476 | In deep pool below bedrock cascade. 2 CT 30, 55 mm | EF | 2 CT |
| 723 | 58.2707 | -134.6474 | Above lower cascade, below another bedrock cascade. 1 CT 65 mm. | EF | 1 CT |
| 724 | 58.2707 | -134.6477 | Visual of 1 spawning pink salmon. | VI | P |
| 725 | 58.2708 | -134.6478 | Multiple spawning pink salmon. | VI | Multi Ps |
| 923 | 58.2704 | -134.6335 | December 8, 2015 survey, no fish captured in ~100 ft area up and downstream of crossing. | EF | |

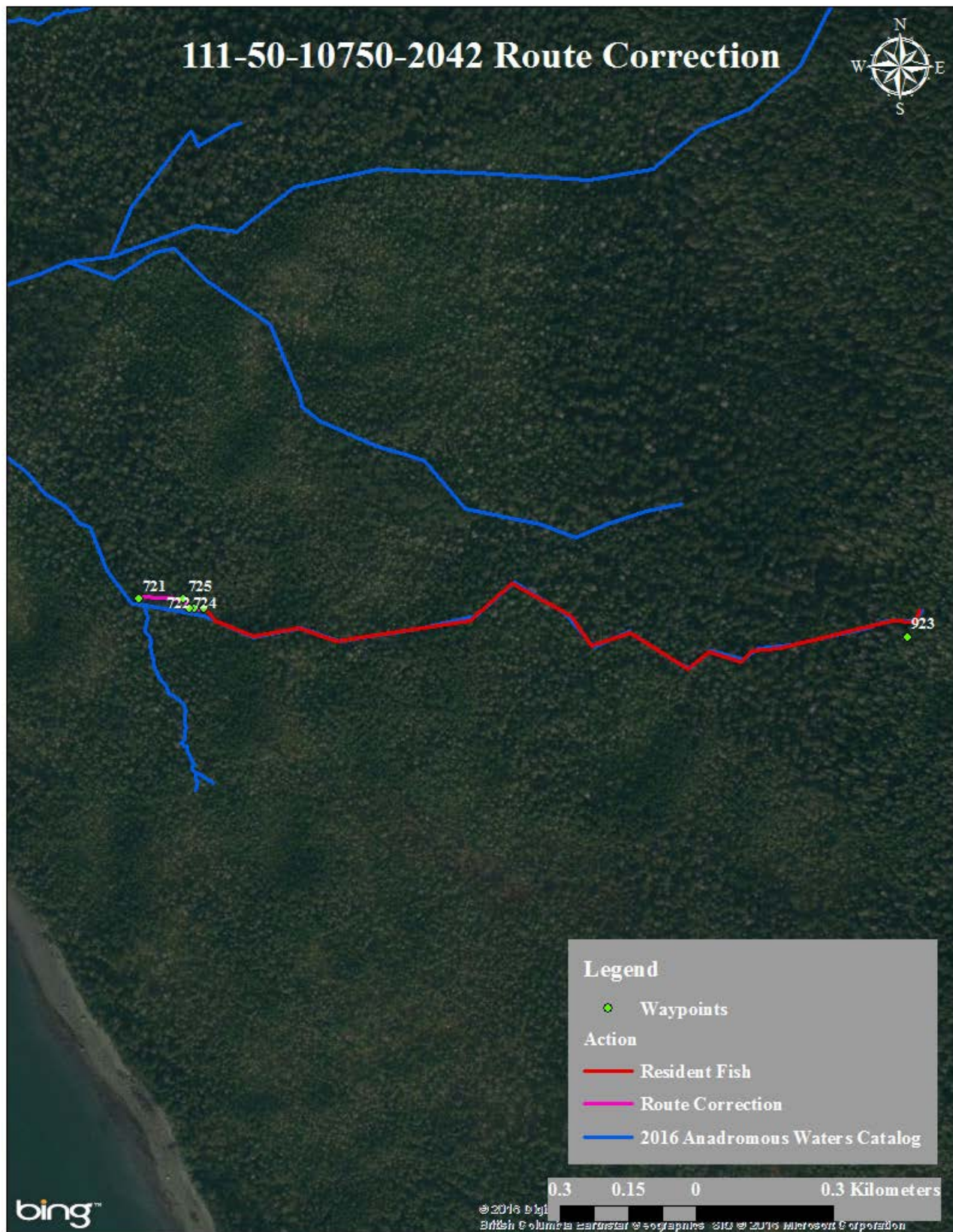


Figure 1.–111-50-10750-2042 route correction map.

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. | VI | 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.

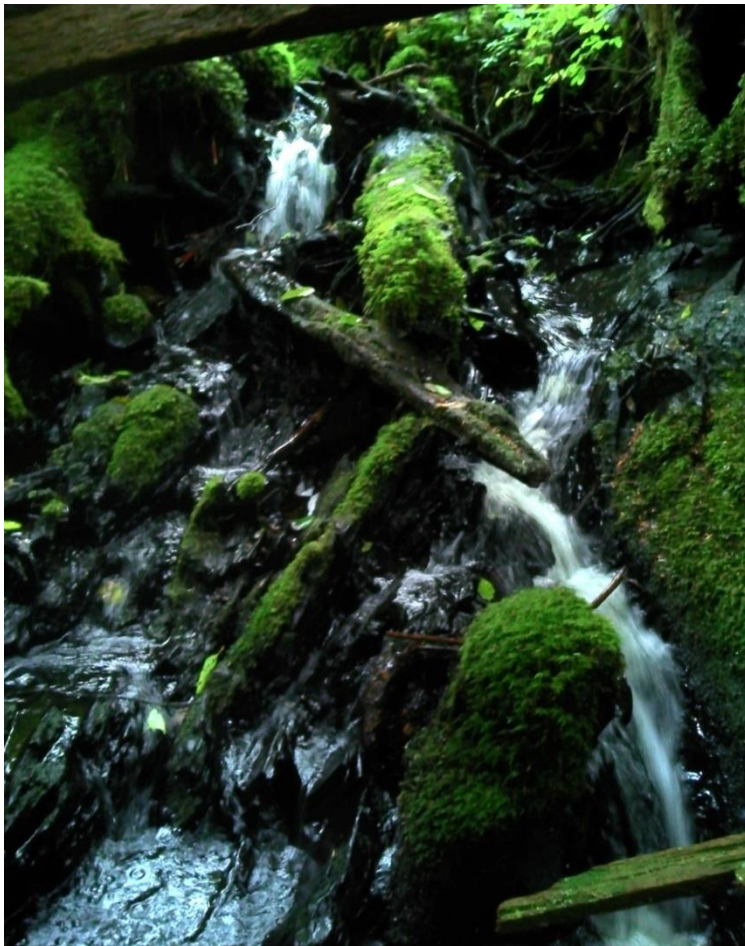


Figure 2.—Cascade barrier on 111-50-10750-2042-3020.

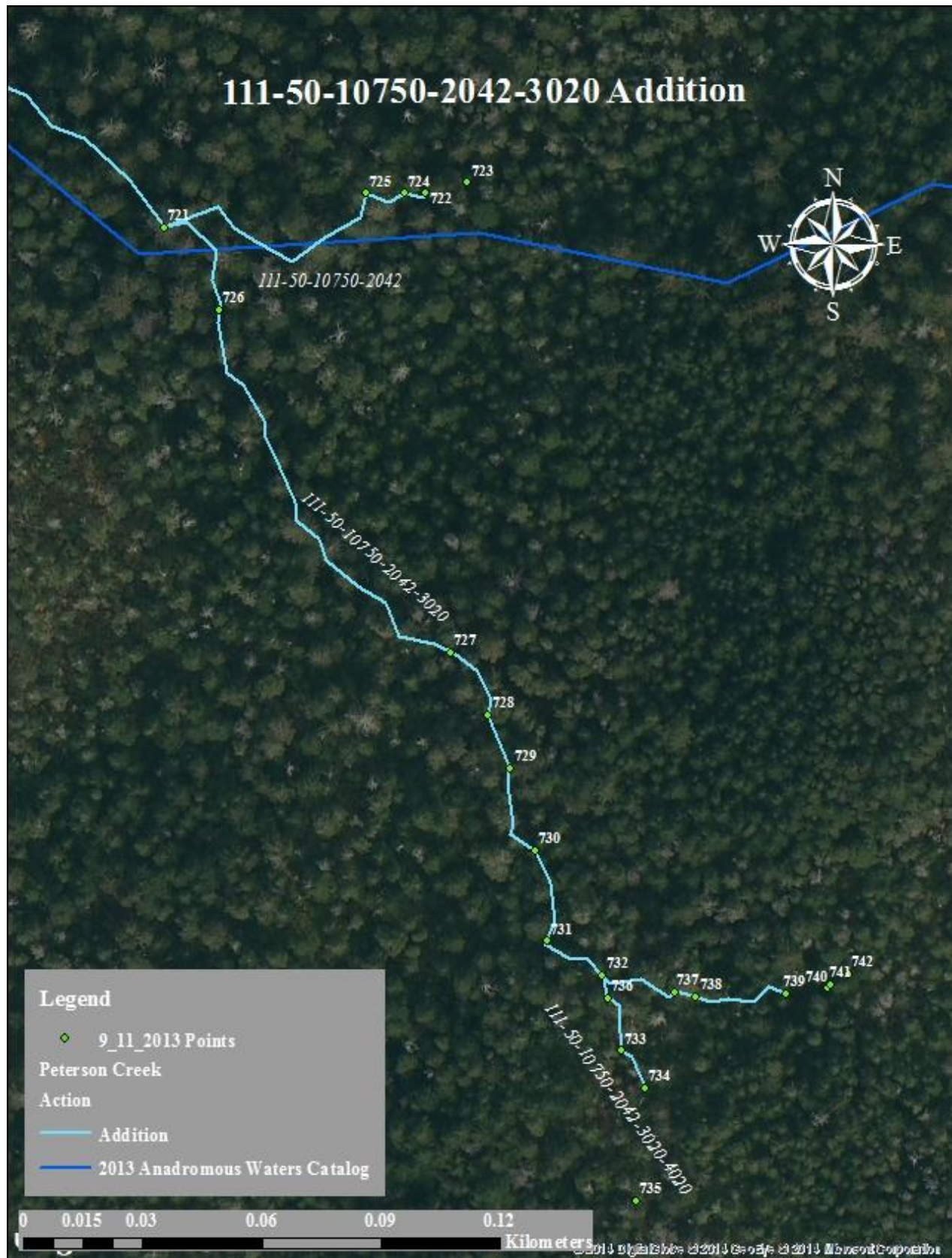


Figure 3.—111-50-10750-2042-3020 addition map.

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:** CO**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.

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. | | |

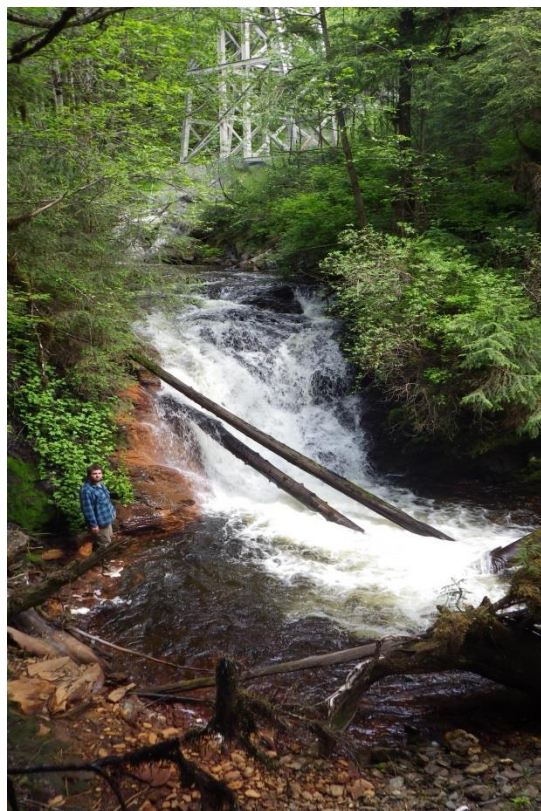


Figure 1.–Ben Brewster standing at the base of barrier falls.

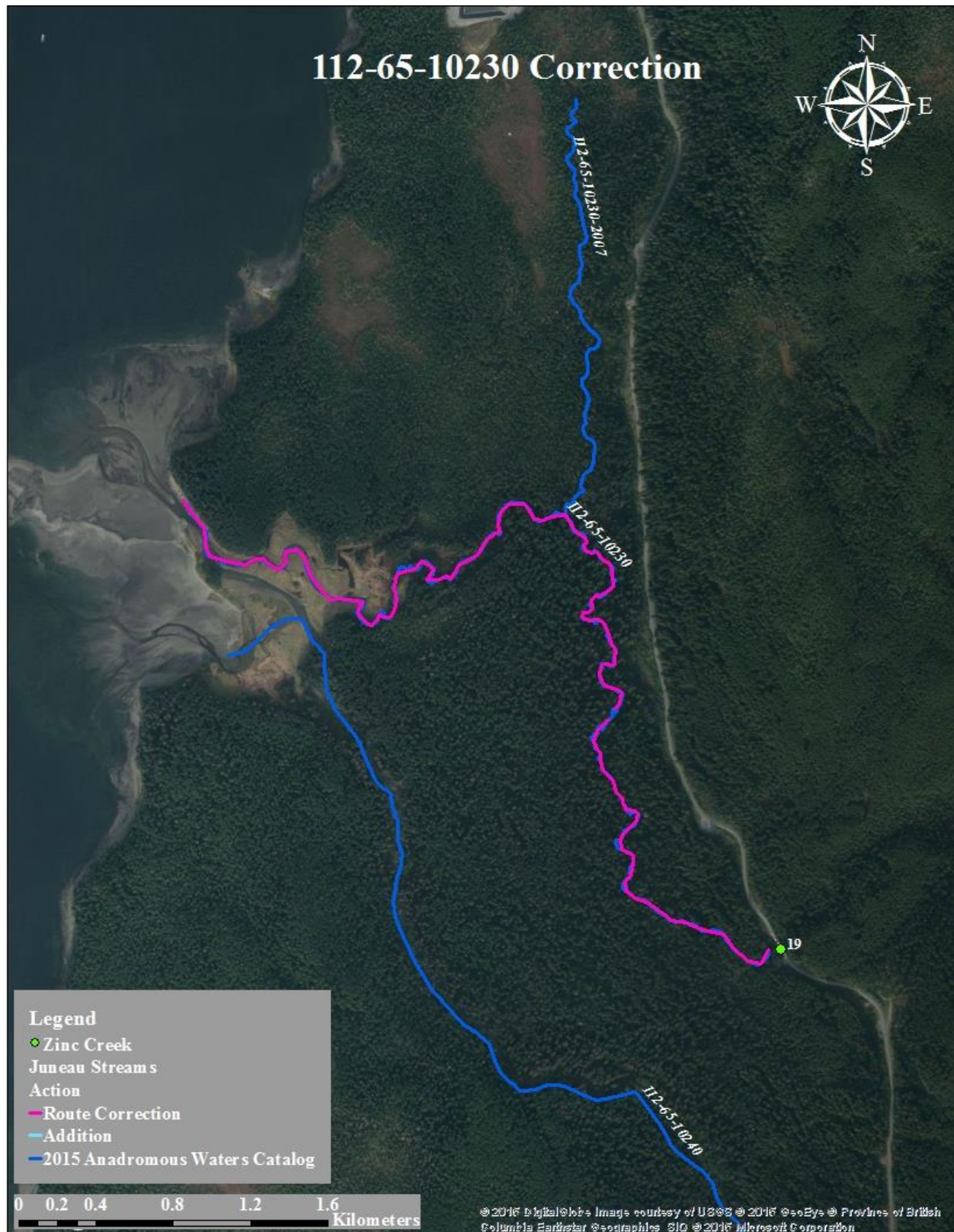


Figure 2.—112-65-10230 correction map.

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 |

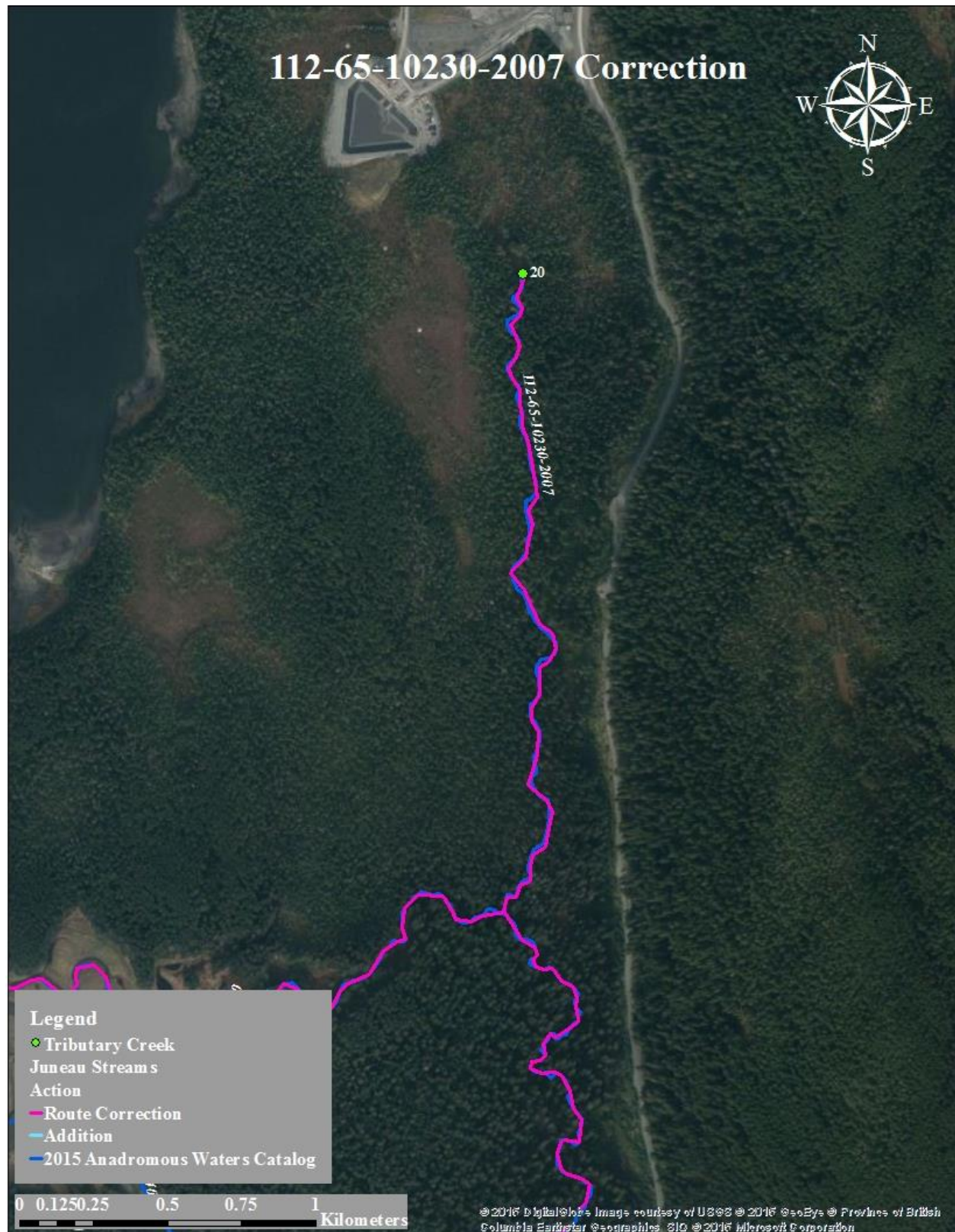


Figure 1.—112-65-10230-2007 correction map.

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.

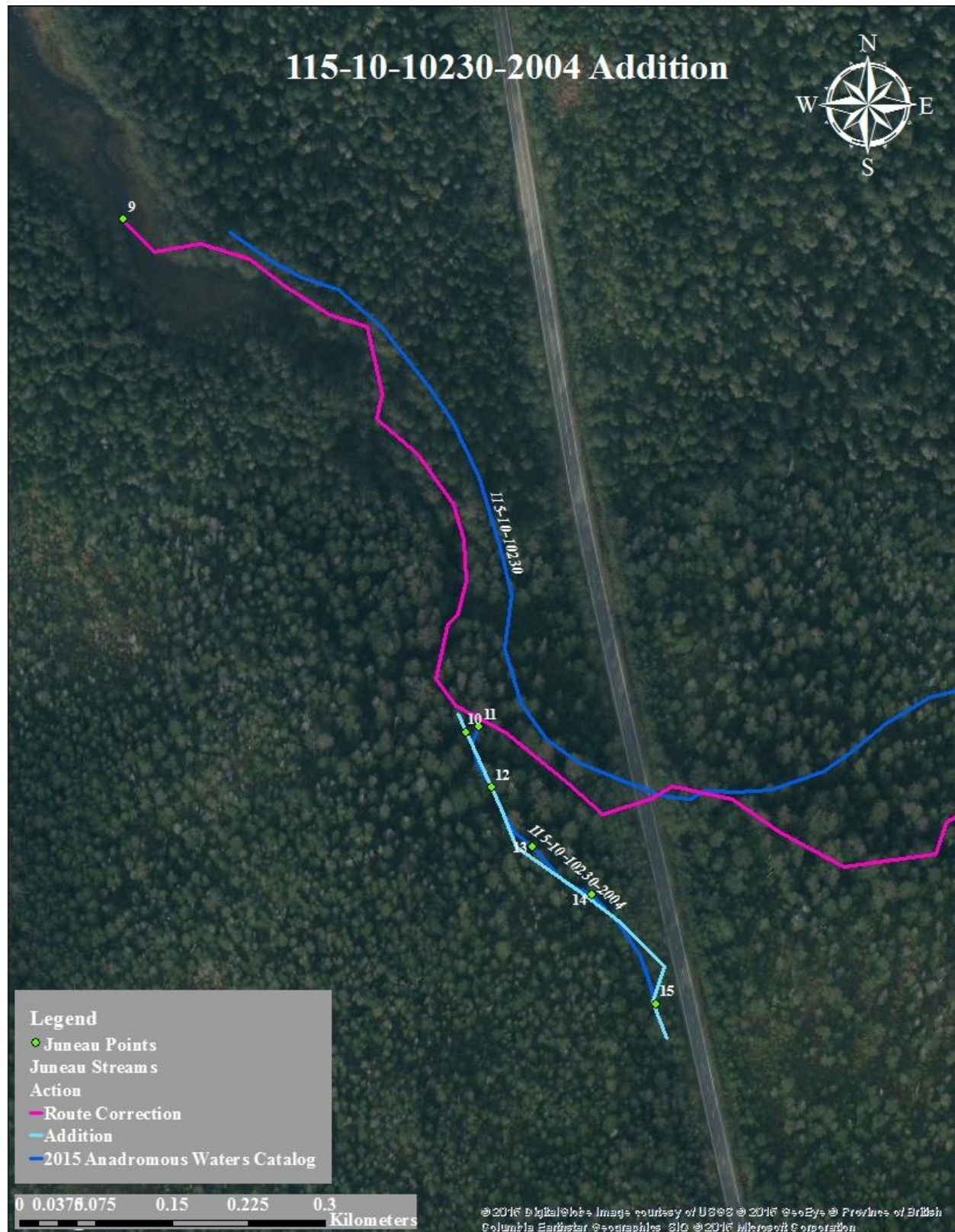


Figure 3.—115-10-10230-2004 addition map.

112-65-10230-2020

ADDITION

Water body name:

Watershed: Fishery Creek-Frontal Chatham Strait

MTR: C043S065E **Quad:** Juneau A-3

Survey date: 9/2/2016

Species & Lifestage: COr

Findings: I surveyed this stream, locally known as Falls Creek, using minnow traps and a GPS (Table 1). I captured juvenile coho salmon, Dolly Varden char, cutthroat trout, rainbow trout, and sculpin (Figures 1, 2).

Recommendations: Add stream to the AWC (Figure 3).

Nomination: 16-576

Table 1.–112-65-10230-2020 (Falls Creek) survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|--------------------------------------|
| 1 | 58.0894 | -134.7386 | 2 MTs set in pools | MT | 5 CO 6 DV 1 CT |
| 2 | 58.0892 | -134.7381 | 1 MT set in pool under LWD | MT | 9 CO 5 DV 4 CT 1 RT 1 SC |
| 3 | 58.0890 | -134.7374 | 1 MT set in pool under log | MT | 7 CO 5 DV 3 CT/RT |
| 5 | 58.0864 | -134.7313 | Falls Creek bridge | – | --- |
| 6 | 58.0905 | -134.7414 | Female adult sockeye under LWD | VI | 1 S |
| 7 | 58.0921 | -134.7424 | Zinc Creek main channel | – | --- |
| 8 | 58.0895 | -134.7395 | Falls Creek confluence with Zinc Creek side channel | – | --- |
| 9 | 58.0894 | -134.7353 | Unknown 100 mm salmonid at upper extent of juvenile fish access; we followed the wrong stream fork to the bridge (waypoint 5). | VI | 1 salmonid |

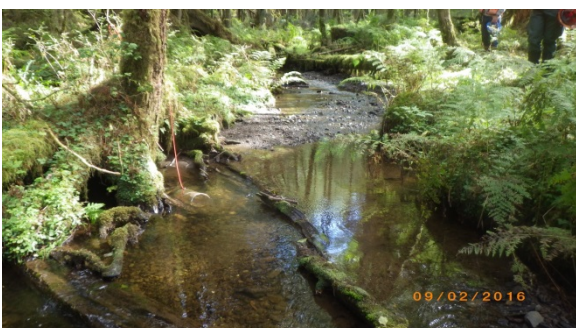


Figure 1.–Minnow trap at waypoint 1.



Figure 2.–Juvenile fish captured in minnow trap at waypoint 2.

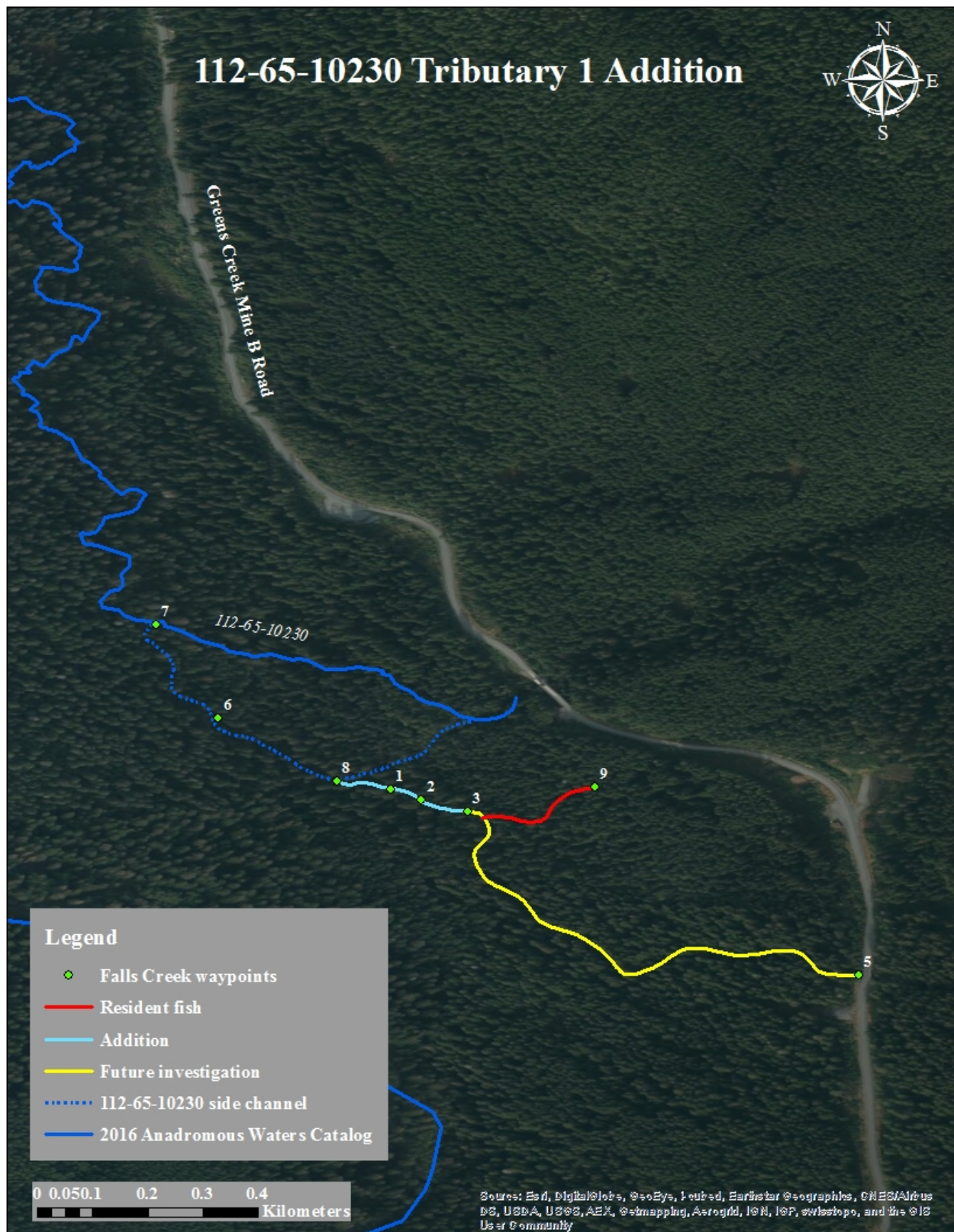


Figure 3.—112-65-10230-2020 (Tributary 1) addition map.

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.

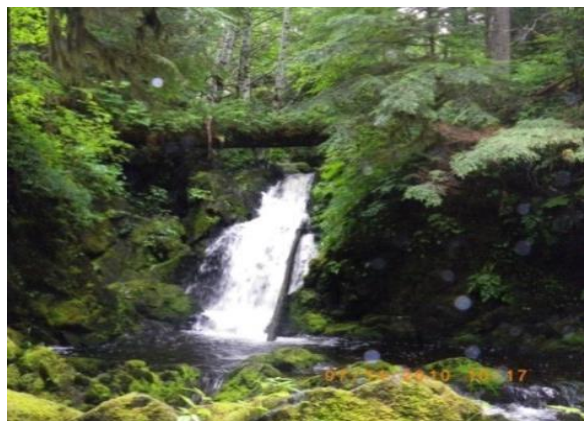


Figure 2.—Barrier falls on Bessie Creek.

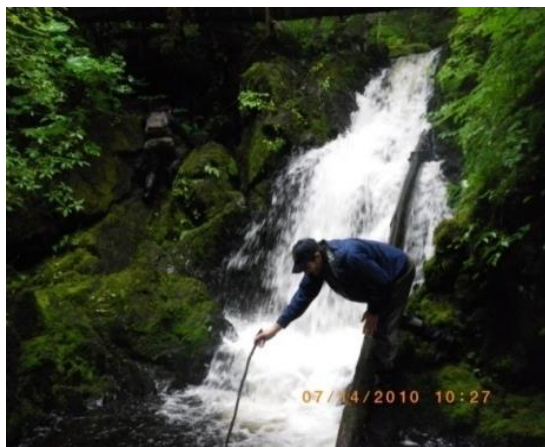


Figure 3.—Field staff measuring Bessie Creek.

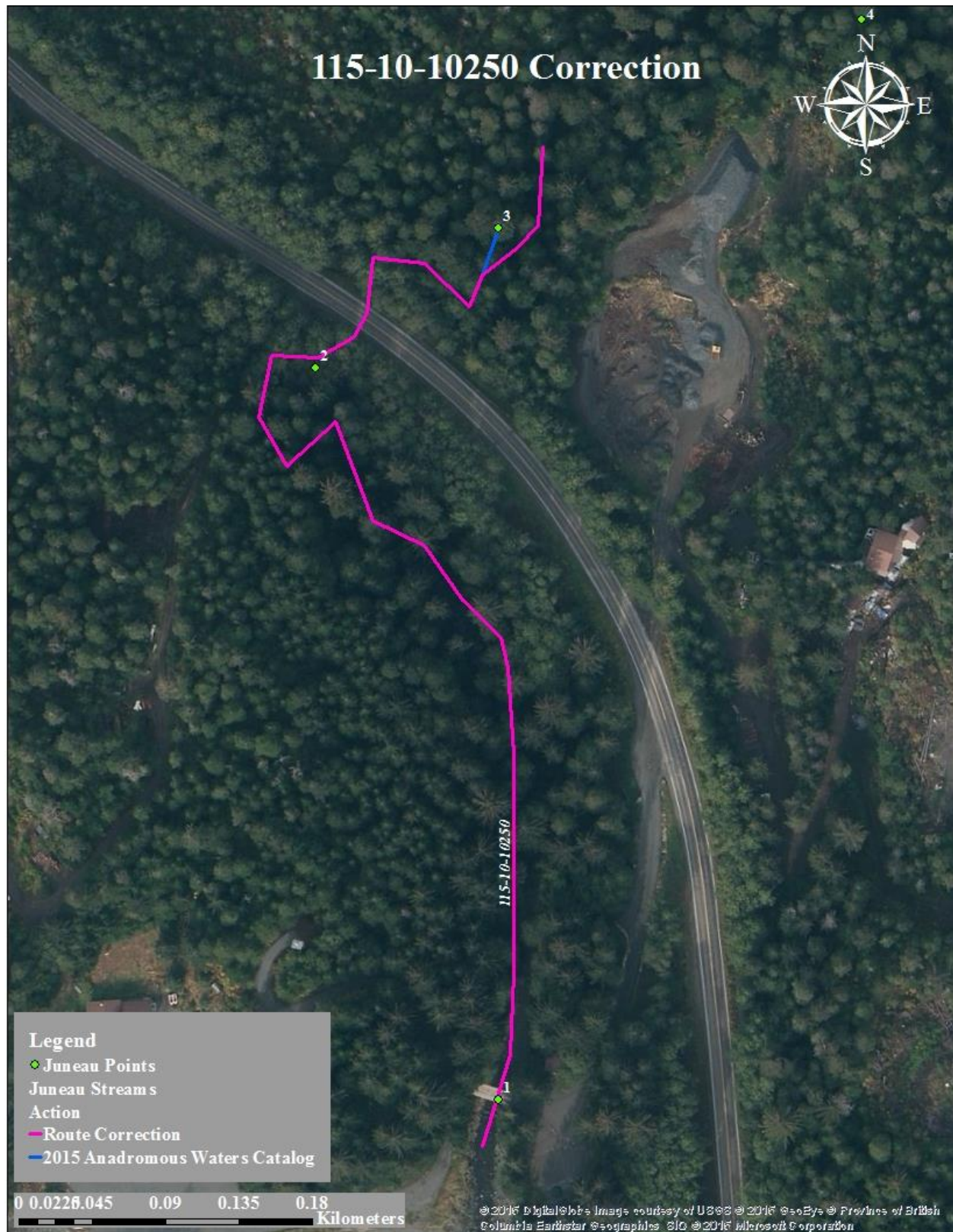


Figure 4.—115-10-10250 correction map.

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 | | |

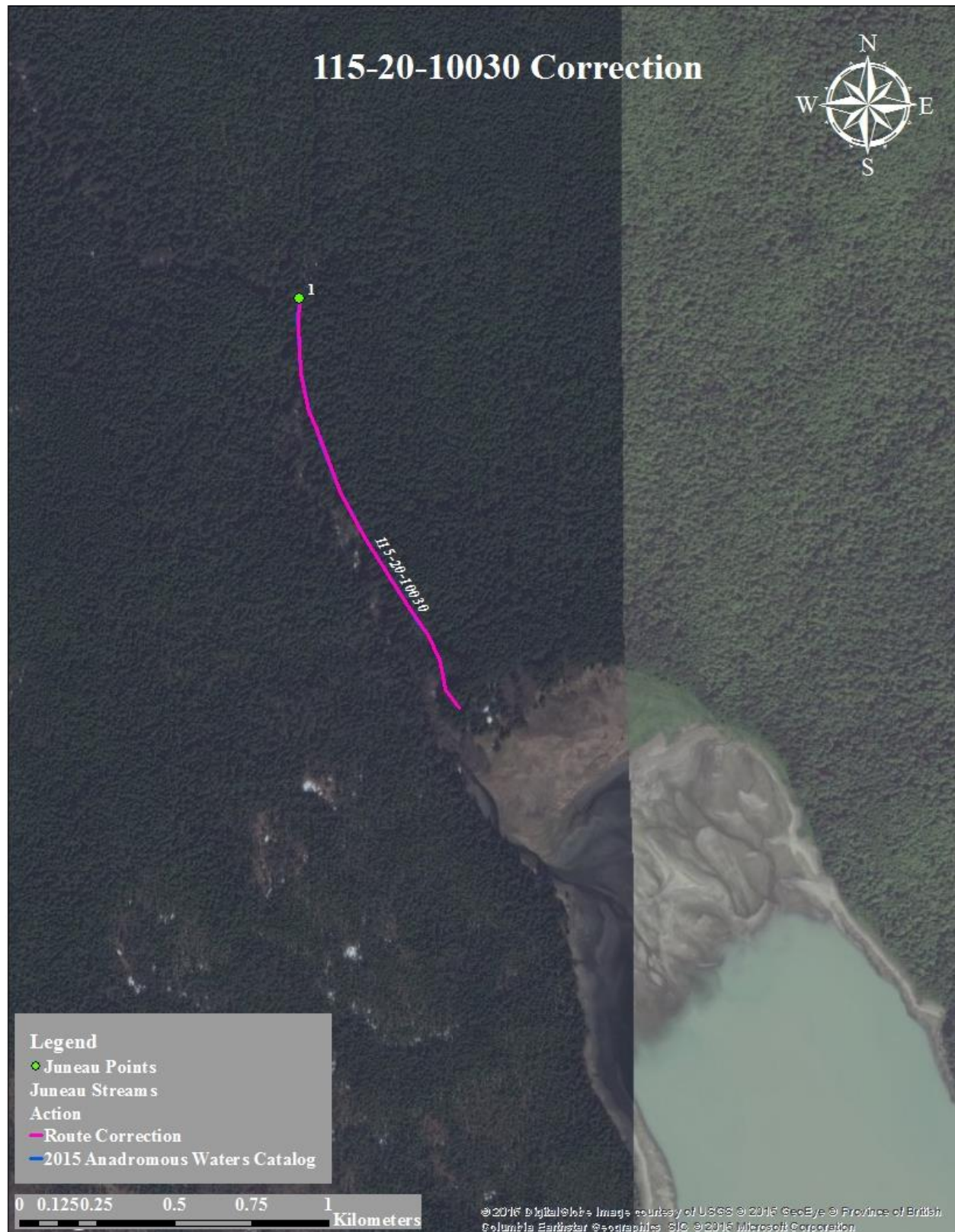


Figure 1.—115-20-10030 correction map.

Juneau

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 |

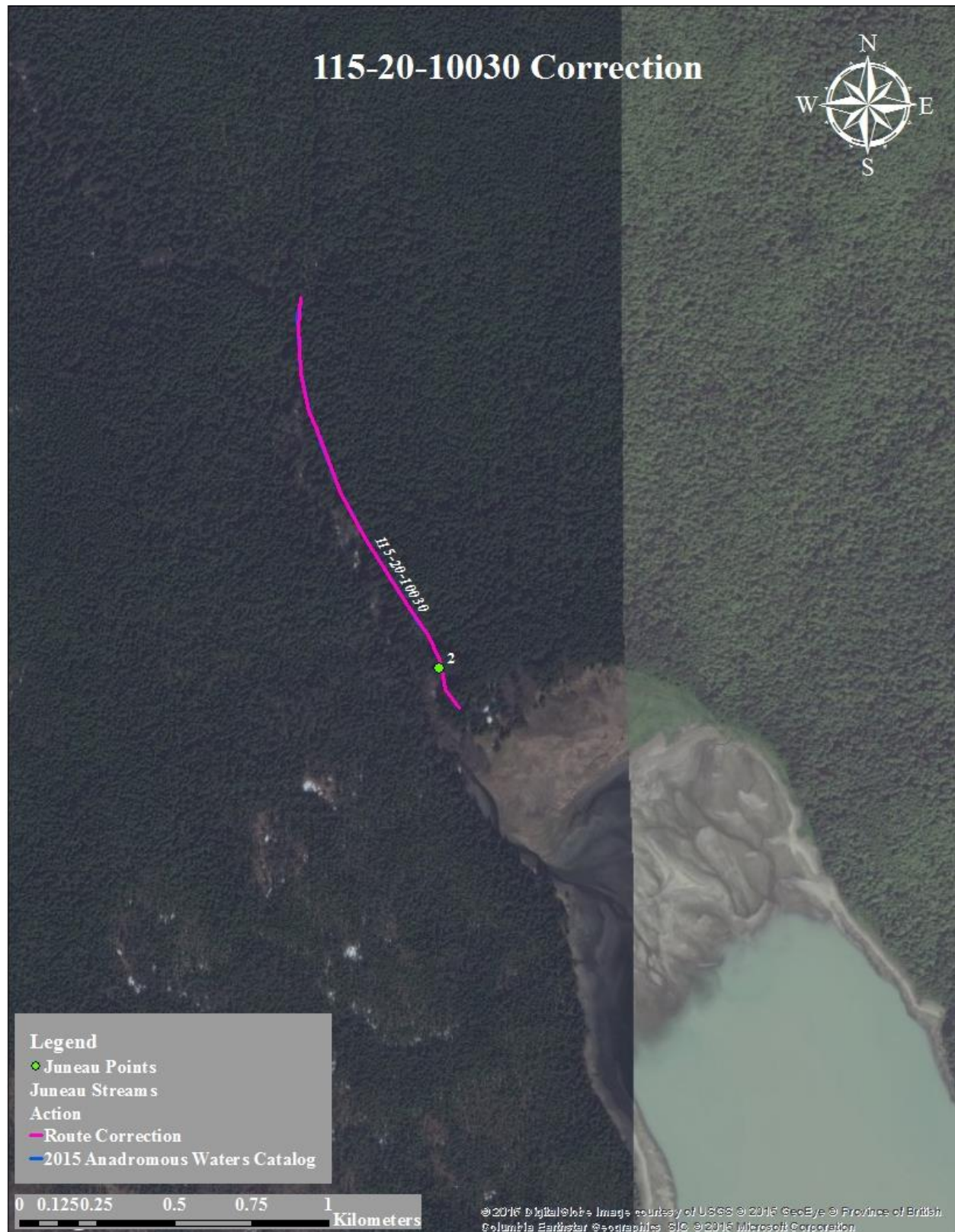


Figure 1.—115-20-10030 correction map.

Juneau

115-20-10070

CORRECTION

Water body name: Johnson Creek

Survey date: 7/25/2016

Watershed: Lace River

Species & Lifestage: CHsr, COsr, Psr

MTR: C035S062E **Quad:** Juneau D-3 and D-4

Findings: We surveyed this stream using a GPS while tracking upstream in a helicopter (Table 1). We also photographed the mouth and falls during a previous aerial survey (Figures 1, 2).

Recommendations: Update the stream course to reflect the field verified route (Figure 3).

Nomination: 16-571

Table 1.—115-20-10070 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|------------|--------------|---------------|----------------|
| 1 | 58.82361 | -134.99874 | Stream mouth | | |
| 2 | 58.82425 | -135.02006 | Falls | | |



Figure 1.—Mouth of Johnson Creek.

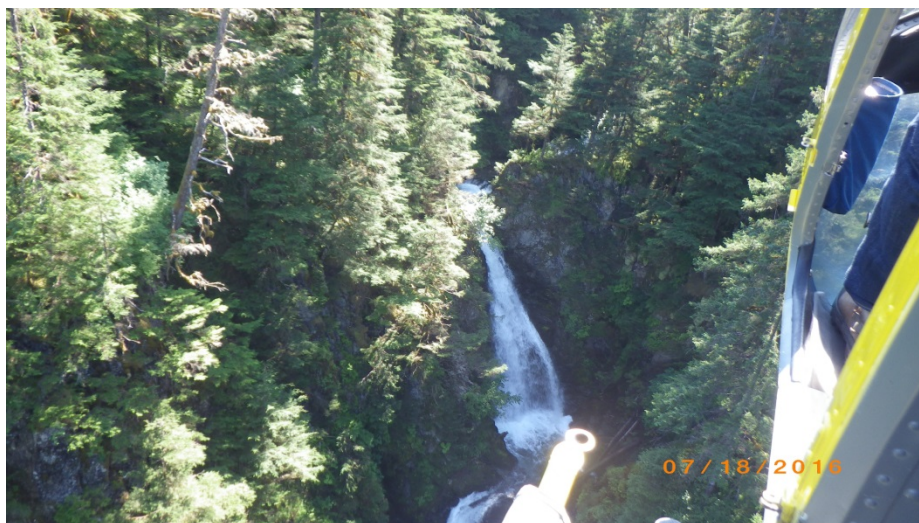


Figure 2.—Barrier falls on Johnson Creek.



Figure 3.—115-20-10070 route correction map.

115-20-10070

ADDITION

Water body name: Johnson Creek
Water body number: 115-20-10070
Watershed: Lace River

Survey date: 9/30/2010
Species & Lifestage: CHsr, COsr, Psr

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:** CO**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.

Juneau

115-20-10620-2002-3005**ADDITION****Water body name:****Survey date:** 10/11/2012**Water body number:** 115-20-10620-2002-3005**Species & Lifestage:** CO**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.

Juneau

115-20-10620-2002-3017

ADDITION

Water body name:

Survey date: 10/11/2012

Water body number: 115-20-10620-2002-3017

Species & Lifestage: CO

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 |

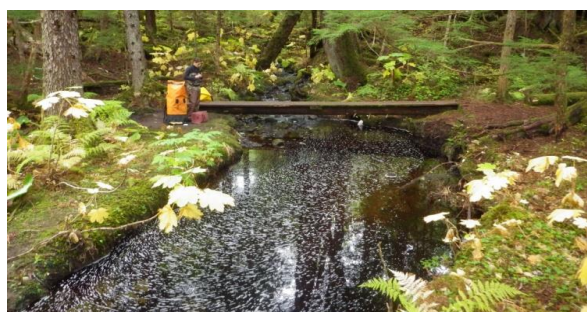


Figure 1.–Beaver pond connected to the stream.

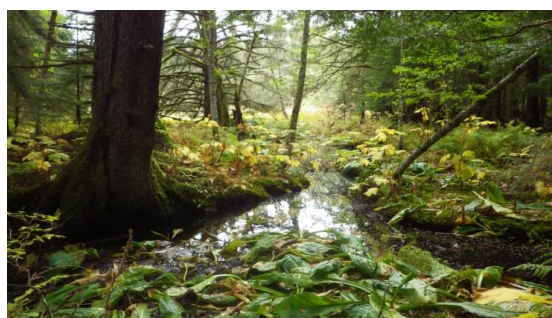


Figure 2.–Looking downstream from trail.



Figure 3.–Juvenile coho salmon trapped.



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

Juneau

115-31-10330

CORRECTION

Water body name: Sherman Creek

Watershed: Admiralty Island-Frontal Lynn Canal

MTR: C035S062E **Quad:** Juneau D-4

Survey date: 7/26/2016

Species & Lifestage: CHr, Ppr

Findings: We surveyed this stream using a GPS (Table 1). In 2013, the City and Borough of Juneau collected Lidar data for this area; the contour layer produced was used to improve the stream track. Resident Dolly Varden char are present above the previously identified barrier falls (Figures 1, 2).

Recommendations: Update the stream course to reflect the field verified route (Figure 2).

Nomination: 16-572

Table 1.—115-31-10330 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|------------|--------------|---------------|----------------|
| 1 | 58.86872 | -135.14179 | Stream mouth | | |
| 2 | 58.86714 | -135.13668 | Falls | | |

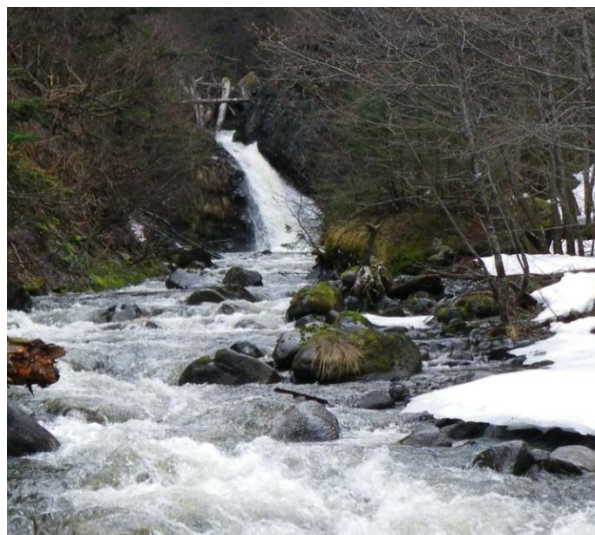


Figure 1.—Sherman Creek on April 2012. Falls can be seen in the background.



Figure 2.—Close-up photo of same falls in 2016.

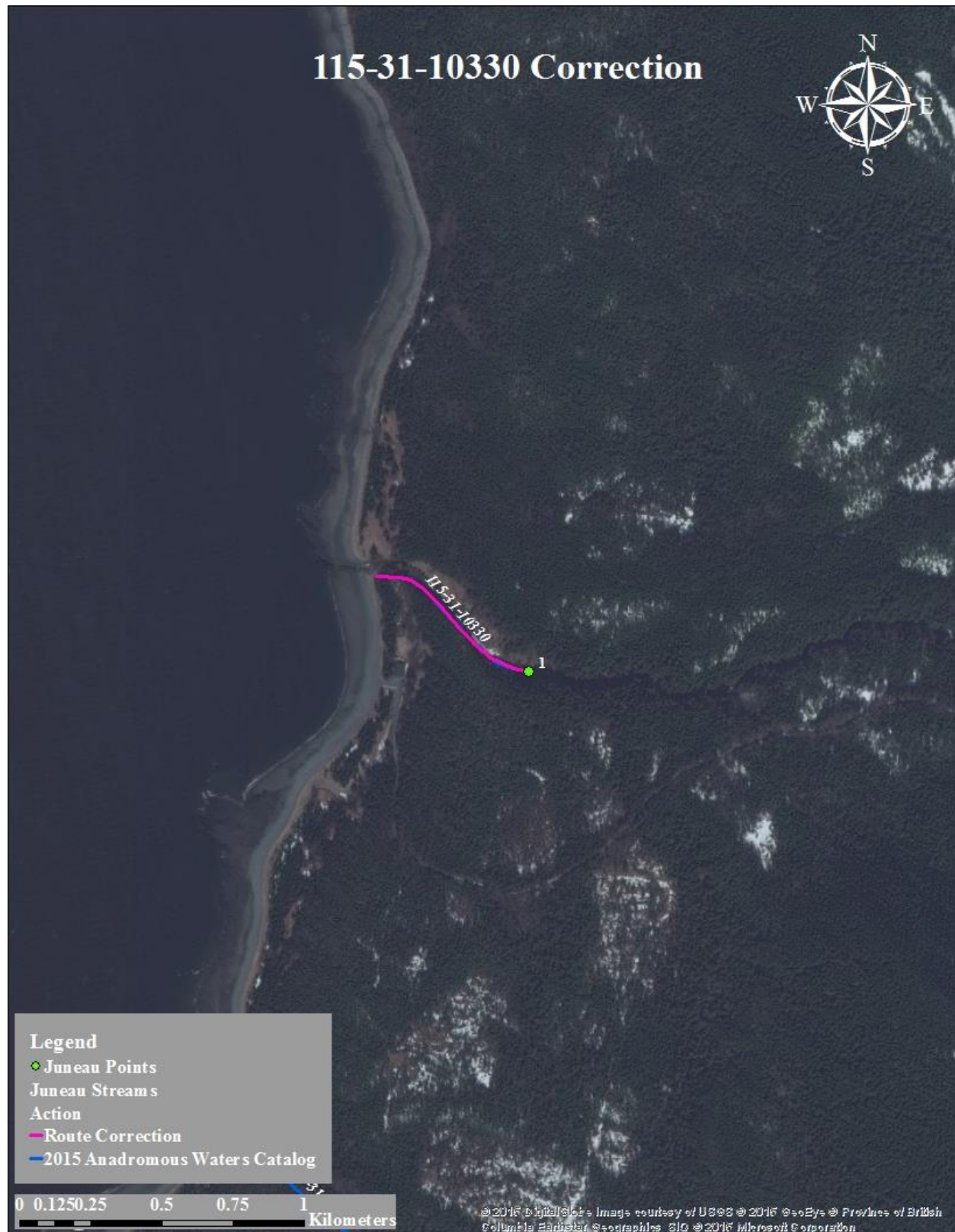


Figure 1.—115-31-10330 correction map.

Juneau

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 2.—115-31-10330 route correction map.

115-31-10330

CORRECTION

Water body name: Sherman Creek

Water body number: 115-31-10330

Watershed: Admiralty Island Frontal-Lynn Canal

MTR: C035S062E **Quad:** Juneau D-4

Survey date: 3/8/2012

Species & Lifestage: CHr, Ppr

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.

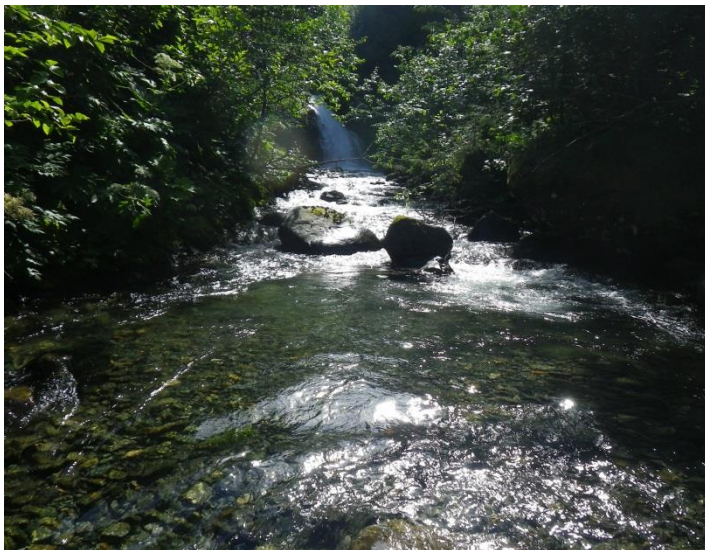


Figure 2.—Looking upstream at the waterfall.

JUNEAU 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

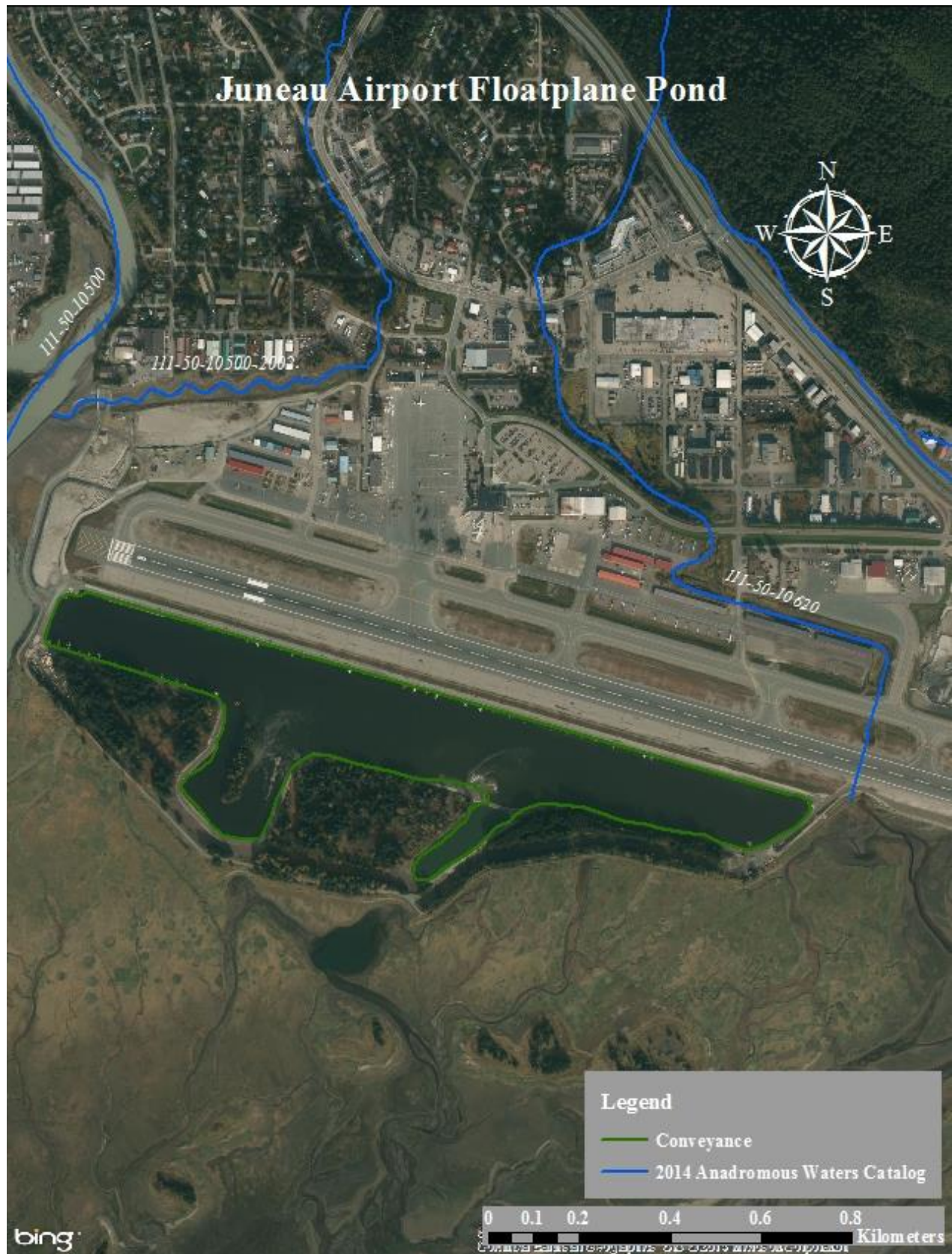


Figure 1.–Juneau airport floatplane pond conveyance map.
Juneau