



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

E

Region Southeastern USGS Quad(s) Skagway B-4 Northeast NE

Anadromous Waters Catalog Number of Waterway 115-32-10250-2077-3082

Name of Waterway 33 Mile Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

| | | | |
|----------------|------------------------------|----------------------------|-----------------|
| Nomination # | <u>11-563</u> | <u>[Signature]</u> | <u>10/28/11</u> |
| | | Fisheries Scientist | Date |
| Revision Year: | <u>2012</u> | <u>[Signature]</u> | <u>10/28/11</u> |
| | | Habitat Operations Manager | Date |
| Revision to: | Atlas _____ Both <u>y</u> | <u>[Signature]</u> | <u>10/24/11</u> |
| | | AWC Project Biologist | Date |
| Revision Code: | <u>2-7-05 F-4</u> | _____ | _____ |
| | | Cartographer | Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|-------------|------------------|----------|---------|---------|------------|
| coho salmon | 08/14/2011 | | ✓ | ✓ | ✓ |
| | | | | | |
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IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

Coordinates (Lat,Long): Upper(59.429219,-136.17601463) Lower(59.4259475,-136.137112)

revise hydrograph for stream, more upper/samples, retain species

Name of Observer (please print): Matthew Kern
 Signature: 146.63.61.200 (Web Nomination) Date: 10/06/2011
 Agency: _____
 Address: 3067 Mountainwood Circle 3067 Mountainwood C
Juneau, AK 99801

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 02/08
 Name of Area Biologist (please print): _____

115-32-10250-2077-3082 Route Correction

Stream: 115-32-10250-2077-3082 (33 Mile Creek)

Watershed: Takhin River

USGS Quadrangle: Skagway B-4 Northeast

MTRS: Section 8, Township 30S, Range 58E

Date Surveyed: August 14 & 15, 2011

Findings: Over the course of two days of surveying we mapped out the mainstem and associated tributaries of 33 Mile Creek, and we found the catalog to be incorrect on many sections of the stream.

Recommendation: Update the stream route to coincide with our recent findings.

Nomination form submitted: Yes

Nomination Status:

Notes:

Table 1: Survey data from August 14 and 15, 2011. The first group of waypoints are from August 14, and the bold waypoints are from August 15.

| Waypoint | lat | long | Time | altitude | Notes | Sample Effort | Sample Result |
|----------|------------|-------------|--------------------|----------|---|---------------|-------------------------|
| 1 | 59.4301081 | -136.150821 | 8/15/2011 8:34 | 129 | Begin tracking downstream just off roadway where we started upstream in the past | | |
| 2 | 59.4293229 | -136.146409 | 8/15/2011 9:18 | 117 | Tributary enters on River Left - begin tracking upstream - just kidding - resume down mainstem - come back with E-fisher later for this guy- visual ID 1 coho at mouth. | Visual ID | Probably 1 Coho - 35 mm |
| 3 | 59.4285989 | -136.142428 | 8/15/2011 9:44 | 117 | Possible tributary or backwater behind beaver dam - maybe map out later | | |
| 4 | 59.4282915 | -136.142498 | 8/15/2011 9:49 | 116 | Another possible tributary or backwater on each side of the creek | | |
| 5 | 59.4281289 | -136.141669 | 8/15/2011 9:52 | 116 | Channels enter on each side of the creek - possible tributaries or backwaters.. | | |
| 6 | 59.4281643 | -136.140875 | 8/15/2011 9:56 | 116 | Possible trib or backwater enters on river left - has many small visible mud dams - | | |
| 7 | 59.4279632 | -136.140235 | 8/15/2011 9:59 | 113 | Big beaver dam - apparently NOT a barrier - side flow provides fish pass. | | |
| 8 | 59.4268234 | -136.138744 | 8/15/2011 10:10 | 113 | Very small tributary enters on River Right - very small | | |
| 9 | 59.4262101 | -136.13786 | 8/15/2011 10:16 | 115 | Tributary enters on River Right - track upstream soon... | | |
| 10 | 59.4259475 | -136.137112 | 8/15/2011 10:18 | 112 | Mouth of 33 Mile Creek confluence with Klehini River - Rainy beautiful day. | | |
| 11 | 59.4263055 | -136.138209 | 8/15/2011 10:43 | 107 | 3 Coho scooped up in handnet - 35-45 mm - in length - continue upstream | NET | 3 Coho - 35-45 mm |
| 12 | 59.4265103 | -136.138894 | 8/15/2011 10:45 | 113 | 1 Coho - 45 mm - handscooped | NET | 1 Coho - 45 mm |

| | | | | | | | |
|----|------------|-------------|--------------------|-----|---|---|-------------------------------|
| 13 | 59.4264483 | -136.141839 | 8/15/2011 10:55 | 115 | 1 Coho - 40 mm - handnetted by Moosepaddle! | NET | 1 Coho - 40 mm |
| 14 | 59.4265728 | -136.142605 | 8/15/2011 10:58 | 114 | 3 Coho handnetted in small spring pool-side pool - Resume upstream migration. | NET | 3 Coho - 35-45 mm |
| 15 | 59.4266929 | -136.142713 | 8/15/2011 10:59 | 114 | Tributary enters on River Right - Let's go take a look shall we? Yes. | | |
| 16 | 59.4267581 | -136.142996 | 8/15/2011 11:00 | 114 | 1 Coho handnetted - 38 mm | NET | 1 Coho - 38 mm |
| 17 | 59.4270523 | -136.143582 | 8/15/2011 11:02 | 118 | Tributary ends in small pool - semi disconnected from the rest of the stream... Dry channel extends beyond. | | |
| 18 | 59.4272567 | -136.142874 | 8/15/2011 11:09 | 119 | 2 Cohos - 40-45 mm handscooped with stick prod aid. | NET | 2 Coho - 40-45 mm |
| 19 | 59.4271488 | -136.143697 | 8/15/2011 11:11 | 117 | 1 Coho netted - 45 mm - continue upstream | NET | 1 Coho - 45 mm |
| 20 | 59.4273591 | -136.144258 | 8/15/2011 11:13 | 116 | Upper extent of connected-watered-habitat. 7 Dead coho - 30-60 mm in tiny pool - must have been trapped and dried out. | HAND | 7 Coho - 30-60 |
| 21 | 59.4273122 | -136.149572 | 8/15/2011 11:31 | 122 | Becomes more forest and less channel like... Time to book it outta here across the forest and somehow find the van. | | |
| 1 | 59.42995 | -136.1614 | 8/14/2011 9:21 | 119 | Where tributary that we tracked earlier enters. Going to continue up the main stem and tracking up. | | |
| 2 | 59.429914 | -136.1617 | 8/14/2011 9:25 | 122 | Tributary entering from creek right. Going to track up the tributary. | | |
| 3 | 59.42941 | -136.1638 | 8/14/2011 9:41 | 122 | Electrofished at 300v, 30Hz and Duty Cycle of 3. Got one Dolly Varden at about 55mm. | Electrofished | 1 Dolly Varden about 55mm |
| 4 | 59.429257 | -136.1641 | 8/14/2011 9:46 | 120 | Electrofished at 300v, 30Hz and Duty Cycle of 3. Got one Dolly Varden at about 50mm. | Electrofished | 1 Dolly Varden about 50mm |
| 5 | 59.42928 | -136.1644 | 8/14/2011 9:48 | 121 | Electrofished at 300v, 30Hz and Duty Cycle of 3. Got two Dolly Varden that were 50-55mm. | Electrofished | 2 Dolly Varden about 50-55mm |
| 6 | 59.429167 | -136.165 | 8/14/2011 9:59 | 123 | Electrofished at 300v, 30Hz and Duty Cycle of 3. Got one Dolly Varden that was 85mm. | Electrofished | 1 Dolly Varden that was 85mm |
| 7 | 59.429308 | -136.167 | 8/14/2011 10:24 | 123 | Electrofished at 300v, 30Hz and duty cycle of 3. And got nothing. But able to make a visual identification on one Dolly Varden and it was 50mm. Also where creek goes under ground. Looks like it has a hole big enough for adult fish to be able to pass. Continuing up. | Electrofished and visual identification | 1 Dolly Varden that was 50mm |
| 8 | 59.429345 | -136.1673 | 8/14/2011 10:28 | 121 | Electrofished above the covered part of the stream and got one Dolly Varden at 100mm. | Electrofished | 1 Dolly Varden that was 100mm |
| 9 | 59.429334 | -136.1684 | 8/14/2011 10:39 | 122 | Top of the tributary. Pools at the top with not much flow out. The pools have iron deposits that are on the bottom. | | |
| 10 | 59.429974 | -136.1646 | 8/14/2011 12:03 | 122 | Tributary entering from creek left. Going to track up tributary. | | |

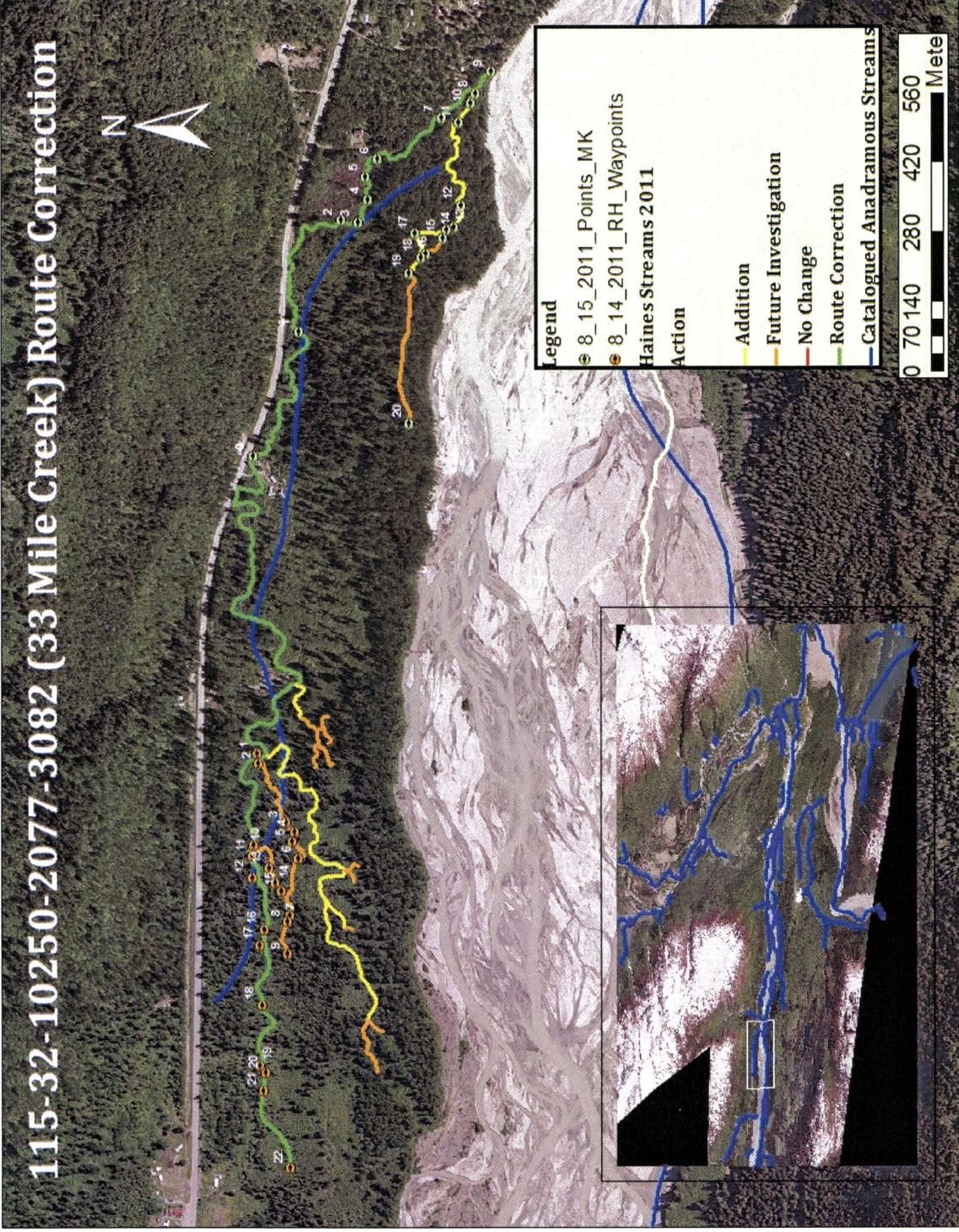


Figure 1: Map detailing the 33 Mile Creek mainstem and tributaries.

| | | | | | | | |
|----|-----------|-----------|--------------------|-----|--|-----------------------|-------------------------------|
| 11 | 59.42999 | -136.165 | 8/14/2011 12:16 | 122 | Electrofished at 300v, 30Hz and duty cycle of 3. Got one Dolly Varden that was 55mm. | Electrofished | 1 Dolly Varden that was 55mm |
| 12 | 59.429999 | -136.1658 | 8/14/2011 12:23 | 125 | Top of the tributary. It pools near the point and just comes out of the ground. Able to make a visual identification on three Dolly Varden that were about 80mm. | Visual identification | 3 Dolly Varden that were 80mm |
| 13 | 59.429692 | -136.1654 | 8/14/2011 12:48 | 122 | Netted one Coho that was 55mm. | Net | 1 Coho that was 55mm |
| 14 | 59.429586 | -136.1659 | 8/14/2011 12:54 | 123 | Tributary entering creek right. Tracking up. | | |
| 15 | 59.429458 | -136.1662 | 8/14/2011 12:56 | 121 | Top of the tributary. Just pools up and comes to a end. Water coming up out of the ground. | | |
| 16 | 59.429768 | -136.1676 | 8/14/2011 13:07 | 121 | Netted one Coho that was 50mm. | Net | 1 Coho that was 50mm |
| 17 | 59.429835 | -136.1681 | 8/14/2011 13:10 | 122 | Tributary entering from creek left. Half of the flow that is in creek is coming from the tributary. Which turned out to be side channel. Tracking up. The water channel appears to be new, no defined channel, just flowing over the forest floor. | | |
| 18 | 59.429782 | -136.1703 | 8/14/2011 13:21 | 119 | Where beaver dam is. The water that comes out at WPT#17 is just water from 33 Mile creek that is overflowing the banks where dam is at and flowing through woods to reconnect with 33 Mile main stem. Track up main stem. | | |
| 19 | 59.429795 | -136.1724 | 8/14/2011 13:45 | 125 | Another beaver dam, has pretty good flow over the banks that make up side. Continuing up. | | |
| 20 | 59.429693 | -136.1727 | 8/14/2011 13:48 | 122 | Possible tributary entering from creek left. Not going to track going to continue up main stem. | | |
| 21 | 59.429729 | -136.1733 | 8/14/2011 13:50 | 125 | Beaver dam with pretty good flow through it. Continue up main stem. | | |
| 22 | 59.429219 | -136.176 | 8/14/2011 14:06 | 127 | Have come to point were there is flow coming in from all directions. Basically a beaver complex that is spread out over a large area. With very thick willows making tracking hard. Going to call this top for now. | | |

