



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

Region Southeastern USGS Quad(s) Petersburg C-2

Anadromous Waters Catalog Number of Waterway _____

Name of Waterway _____ USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

| | | | |
|----------------|---------------------------|----------------------------|--------------------|
| Nomination # | <u>13-542</u> | _____ | _____ |
| Revision Year: | <u>2014</u> | Fisheries Scientist | Date _____ |
| Revision to: | Atlas _____ Both _____ | Habitat Operations Manager | Date <u>9/9/13</u> |
| Revision Code: | <u>F-1</u> | AWC Project Biologist | Date _____ |
| | | Cartographer | Date _____ |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Present | Anadromous |
|-----------------|------------------|----------|---------|---------|------------|
| coho salmon (1) | 05/20/2013 | | ✓ | ✓ | ✓ |
| Dolly Varden | 05/20/2013 | | | ✓ | |
| | | | | | |
| | | | | | |

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(56.5655,-132.5983) Lower(56.5652,-132.5977)

Name of Observer (please print): Nicole Legere
 Signature: _____ Date: 09/03/2013
 Agency: 146.63.61.200 (Web Nomination)
 Address: PO Box 110024 Room 209
Juneau, AK 99811-0024

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): _____

Mitkof Highway 4 Addition**Stream:** Mitkof Highway 4**Watershed:** Stikine River-Frontal Stikine Strait**MTRS:** C061S082E, Petersburg C-2**Date Surveyed:** May 20, 2013

Findings: We surveyed this uncataloged stream and found one coho salmon in the lower section of the stream (Table 1). There are double culverts under the Mitkof Highway with a 3 ft. perch and a 4 ft. deep jump pool (Figure 1). We surveyed upstream we came to a 50 ft. waterfall (Figure 2). We only caught Dolly Varden above the culvert.

Table 1: Mitkof Highway 4 survey data.

| Waypoint | Latitude | Longitude | Notes | Sample Effort | Sample Results |
|----------|----------|-----------|--|---------------|--------------------------|
| 133 | 56.5652 | -132.5977 | Mouth of stream just above intertidal zone. | | |
| 134 | 56.5654 | -132.5981 | | EF | 1 DV ~ 50, mm, 3 sculpin |
| 135 | 56.5655 | -132.5983 | | EF | 1 CO ~ 100 mm |
| 136 | 56.5657 | -132.5984 | ~ 4 ft. pool at the base of the downstream end of a double culvert. Both culverts are perched ~ 3 ft. | EF | 1 RT ~ 120 mm |
| 137 | 56.5658 | -132.5984 | Upstream of double culverts. Significant angle in culverts. Small drop into each of the culverts. | | |
| 138 | 56.5659 | -132.5985 | | EF | 3 DV ~ 50 mm |
| 139 | 56.5660 | -132.5985 | | EF | 1 DV ~ 70 mm |
| 140 | 56.5661 | -132.5986 | Base of high gradient bedrock section. | EF | 7 DV ~ 50-75 mm |
| 141 | 56.5664 | -132.5986 | Boulder/cobble substrate, steep gradient, and high velocity. Cascade and pools. | EF | 1 DV ~ 50 mm |
| 142 | 56.5668 | -132.5986 | | EF | 4 DV |
| 143 | 56.5669 | -132.5986 | | EF | 3 DV |
| 144 | 56.5671 | -132.5989 | | EF | 2 DV |
| 145 | 56.5671 | -132.5991 | | EF | 2 DV |
| 146 | 56.5672 | -132.5993 | Base of potential gradient barrier. Large deep pool at the base of an old culvert piled at the top. Some of the culvert has unraveled into the stream. | | |
| 147 | 56.5674 | -132.5998 | Barrier. ~ 50 ft. waterfall. | | |



Figure 1: Mitkof Highway 4 perched double culverts.

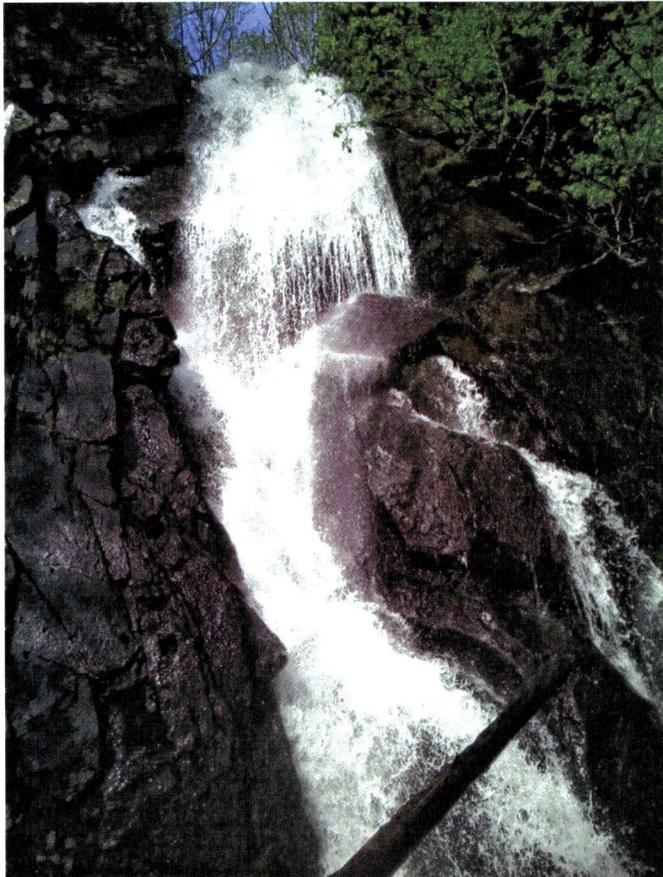


Figure 2: Waterfall barrier on Mitkof Highway 4.

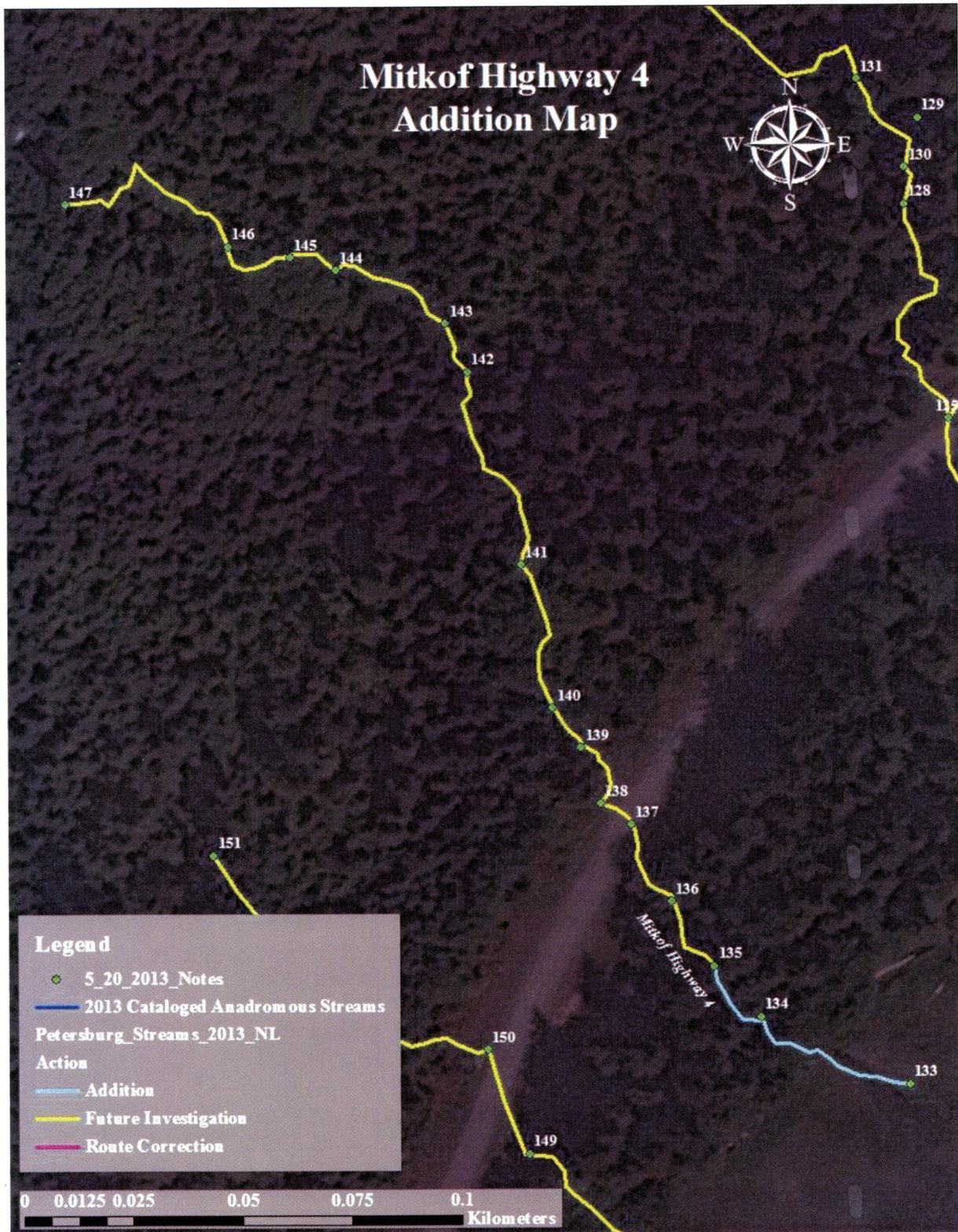


Figure 3: Mitkof Highway 4 addition map.