



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog



Region Southeastern USGS Quad(s) JUNEAU B-2

Anadromous Waters Catalog Number of Waterway 111-50-10690

Name of Waterway Fish Creek USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>15-650</u>	_____	_____
Revision Year: <u>2016</u>	Fisheries Scientist	Date
Revision to: <input checked="" type="checkbox"/> Atlas	Habitat Operations Manager	Date
<input checked="" type="checkbox"/> Catalog	<u>[Signature]</u>	<u>26 OCT 15</u>
Revision Code: <u>F-1</u>	AWC Project Biologist	Date
	GIS Analyst	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Steelhead trout	09/07/2015		✓		

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:
Two juvenile steelhead/rainbow trout (Fork lengths: 53 and 70 mm) were captured in a baited minnow trap placed in an isolated pool in the main channel of Fish Creek, approximately 200 feet upstream of North Douglas Highway. The trap was set for 45 minutes. Please see attachment for photographs and comments from ADFG steelhead/rainbow trout experts.
Coordinates (Lat,Long): Upper(58.3302,-134.5916) Lower(58.3304,-134.599)

Name of Observer (please print): John Hudson
Signature: 164.159.152.2 (Web Nomination) Date: 09/11/2015
Agency: _____
Address: Juneau Fish and Wildlife Field Office 3000 Vintage Pk
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 11/14
Name of Area Biologist (please print): _____



70 mm steelhead/rainbow



53 mm steelhead/rainbow

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

1992
Year of Revision

Anadromous Water Catalog Volume Region I
USGS Quad Juneau B-2
Name of Waterway AUKE CREEK/LAKE
Anadromous Water Catalog Number of Waterway _____
111-50-10420/0010

Change to Atlas
_____ Catalog
_____ Both

Addition

Deletion _____

Correction _____

Name addition:
USGS name _____
Local name _____

ALASKA DEPT. OF
FISH & GAME

MAY 16 1991

REGION II
HABITAT DIVISION

For Office Use

Nomination #	<u>92 001</u>
<u>Richard Reed</u> Regional Supervisor	<u>5/15/91</u> Date
<u>ED W. Stn</u>	<u>2/20/92</u>
<u>FI</u> Drafted	<u>2/12/92</u> Date

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>Oncorhynchus mykiss</u> <u>(Steelhead)</u>	<u>May 1989</u>			<u>Upstream (adult)</u>
	<u>May-June 1989, 90</u>			<u>Downstream (smolt)</u>

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

- Attached -

Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) Kristen M. Munk

Date: Apr. 19, 1991 Signature: [Signature]

Address: PO Box 34356

Juneau, Alaska 99803

Signature of Area Biologist: Janet Huel Schenpf

OBSERVER COMMENTS REGARDING ATTEMPTED UPSTREAM MIGRATION BY ADULT STEELHEAD, CUTTHROAT TROUT, AND DOLLY VARDEN, AND DOWNSTREAM MIGRATION BY STEELHEAD SMOLTS, AT THE AUKE CREEK SMOLT WEIR SITE.

The Auke Creek Smolt Weir is a 100% barrier to upstream migrating fish during its operation, generally March 1 - June 30. In this time period, "spring spawners" make their way up Juneau area creeks to spawn. In the past, no springtime upstream migration was identified in the Auke Lake system (this assumption is based upon the current presence of the barrier smolt weir). In 1989 and 1990, cutthroat trout and adult steelhead were identified migrating upstream in this window.

This oversight was realized when a temporary weir structure was placed downstream of the Auke Creek Smolt Weir in 1989, from May 3-June 12. This action identified attempts at upstream migration by adult steelhead, adult cutthroat trout (prior Auke Creek downstream migrators and migrators from other systems), and Dolly Varden char.

One ripe female steelhead was captured at this weir. Seven adult cutthroat were captured, five of which had been handled through the Auke Creek Smolt Weir earlier (hole-punched in the caudal fin for identification), and two of which had arrived from other over-wintering systems. Five Dolly Varden were captured, however it could not be confirmed if they were from other systems or just return migrators.

In 1990, the temporary weir structure was again fished from April 16-June 20+. No adult steelhead were captured. Eighteen cutthroat trout were captured, two of these were "first arrivals" (one appeared to be a juvenile), and sixteen had passed through the Auke Creek Smolt weir on a prior occasion. "Time out" for these returns ranged from a few days to a few weeks. In addition, forty-seven Dolly Varden were captured. While many of these were recent releases from the smolt weir, due to a tagging operation of these downstream migrants, it was verified that ten had immigrated Auke Creek for the first time that spring. Some tagged Dollies were at large for three weeks before re-entering Auke Creek.

Further evidence of a steelhead population came when smolt were positively identified at the Auke Creek Weir in 1989. Six were counted outmigrating from May 18-June 1. It is quite likely that the early portion of this migration was mis-identified as cutthroat trout, as well as prior year downstream migrant steelhead smolt.

In 1990, the smolts were watched for earlier, and twenty-three were counted through the weir. It is felt that this represents most, or all of the outmigration for this year.

State of Alaska
 Department of Fish and Game
 Nomination for Waters
 Important to Anadromous Species

1985 1986 ✓
 Year of Revision
 86-301

Name of Waterway Montana Cr.
 AWC# of Waterway 111-50-10500-2003
 AWC Volume & Number REGION I
 USGS Quad Tuneau B-2 (11)
 Addition Correction
 Deletion Change
 Change to Atlas
 Catalog
 Both

Approved
Richard Reed 8/29/85
 Regional Supervisor Date
 OK SJS 10/24/85
 TB 10-16-85
 Drafted ALASKA DEPT. OF
 FISH & GAME

SEP - 8 1985

Species	Date(s) Observed	Spawning	Rearing	MIGRATION
Steelhead (SH)	1983	✓		

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

Steelhead were observed passing through the Montana Cr. weir based just above the confluence with the Mendenhall R.

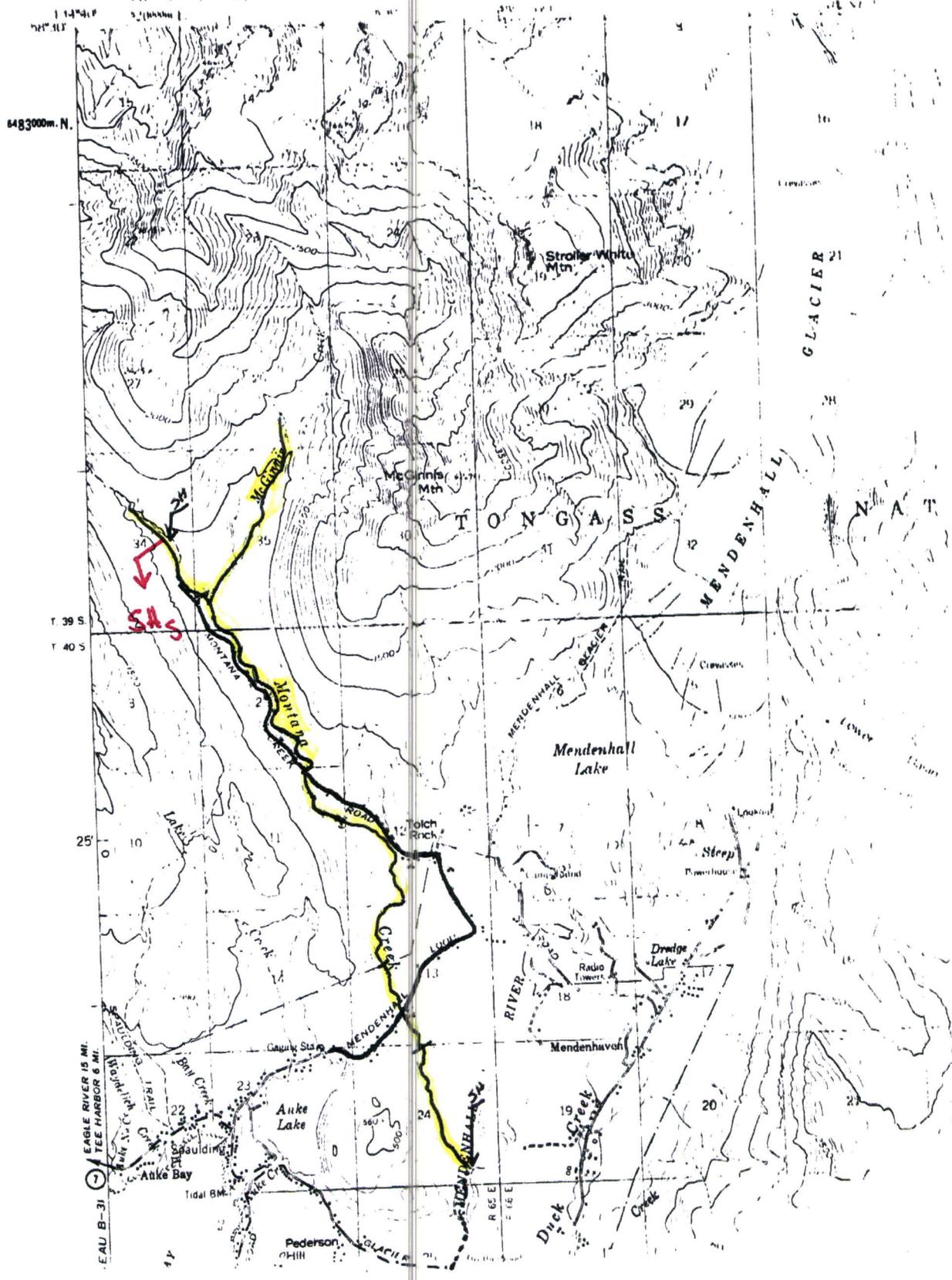
Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls. Attach a copy of the fish survey data, if available.

Name of Observer (please print) Kristen M Munk
 Date: May 13, 1985 Signature: Kristen M Munk
 Address: 3555-47 Mendenhall Lp Rd.
Tuneau, AK 99801

Montana Co. Survey 8/12/75

D.E. Jones
Dick Merriott

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



ADFG correspondence regarding identification of captured fish

Love, David C (DFG) <david.love@alaska.gov>

8:56 AM (4 hours ago)



to me, Daniel, Carol ▾

Morning John!

Yes, looks like a rainbow/steelhead parr to me. Undoubtedly you know all of the definitive characteristics: Nose is really short and although it's hard to see in this picture, the maxillary appears not to extend past the back margin of the eye. The adipose has a continuous rim of black, there are 4-5 median-dorsal parr like marks and the rest of the coloration on the body and fins looks right. Lack of hyoid teeth would distinguish it definitively from a cutthroat, but based on all of the above it definitely looks like the steelhead/rainbow parr that I have seen in several streams known (and documented) to have steelhead in Southeast Alaska. Anecdotally, sport anglers I've talked to have mentioned catching adult steelhead from Fish Creek on Douglas. I mention all of this because the state's anadromous waters catalog does not list steelhead/rainbow and this sample looks definitive. I would think it would allow us to nominate Fish creek on Douglas as having steelhead. Cheers,

David Love, Fishery Biologist II
Assistant Area Management Biologist
ADF&G Sportfish Division
PO Box 110024
Juneau, AK 99811-0024
(907) 465-4318 office

Love, David C (DFG) <david.love@alaska.gov>

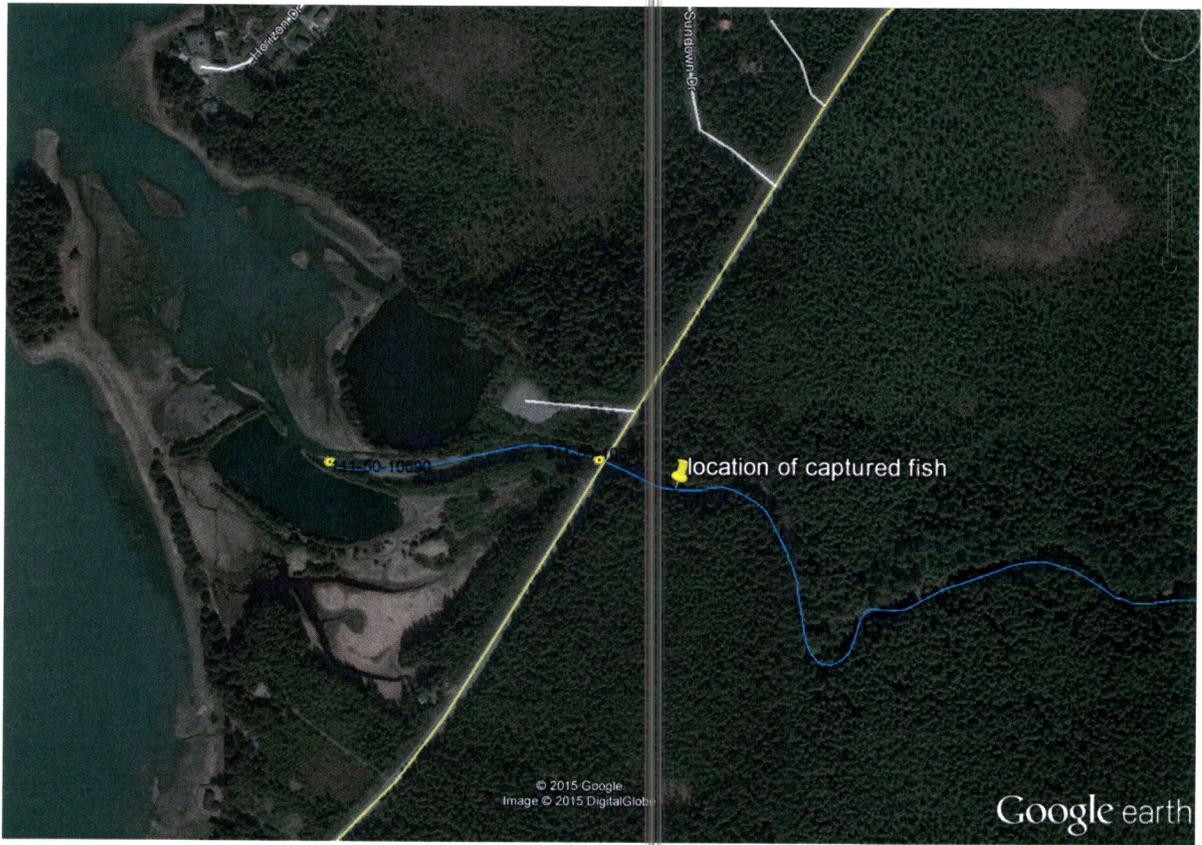
9:06 AM (4 hours ago)



to me, Carol ▾

I've also conferred with Carol Coyle, another of our steelhead biologists here in Region 1, and she concurs with the identification. Thanks John!

David Love, Fishery Biologist II
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Juneau, AK 99811-0024
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(907) 465-2034 fax
david.love@alaska.gov



Johnson, J D (DFG)

From: Love, David C (DFG)
Sent: Wednesday, October 14, 2015 2:04 PM
To: Johnson, J D (DFG)
Cc: Coyle, Carol L (DFG)
Subject: RE: AWC nomination

Hi J (& Carol):

I have heard from two different anglers that they have caught steelhead in Fish Creek. One of these reports was from a very reputable fisherman. I did not know that Kris Muck had also observed them there. In August of 2007, Assistant Area Management Biologist, Jason Shull reported some supposed sightings of juvenile SH/RBT and a possible SH adult, but the pictures are too poor to tell. In Southeast Alaska streams, generally when you find steelhead they are often in association with resident rainbows, their life histories are complex and interconnected. Given the number of different reports of steelhead, the quality of habitat in this system and the diversity of other salmon species in that system, I would not be surprised at all to find steelhead in Fish Creek. Although I think their abundance in the creek is probably small. I'm not sure if this helps, David

From: Johnson, J D (DFG)
Sent: Wednesday, October 14, 2015 7:38 AM
To: Love, David C (DFG)
Cc: Coyle, Carol L (DFG)
Subject: AWC nomination

David/Carol

John Hudson recently submitted a nomination form to add Steelhead trout rearing to Fish Creek (111-50-10690).

Typically fish species that may be resident vs anadromous are not added to the AWC based on observations of juv fish alone.

The reports of sport fish catches of adult SH are certainly add credence to John's submission.

Is it possible that both resident and anadromous RT/SH occur in Fish Creek?

I found that SH are listed in the AWC for Auke Creek and Fish Creek, these additions were made based on observations of adults by Kris Munk several years ago. Basically I'm conflicted regarding adding SH to Fish Creek but would appreciate additional info or insight from local staff.

Although AWC lists 4 of 5 species of salmon in Fish Creek plus Dolly Varden & Cutthroat Trout, little actual data exists (no noms) to substantiate fish observations.

thx

J. Johnson