



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Anadromous Waters Catalog

M

Region Southeastern USGS Quad(s) Juneau C-3

Anadromous Waters Catalog Number of Waterway 111-50-10070 ~~111-50-10070~~ 111-50-10050

Name of Waterway unnamed USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>09-1433</u>	<u>[Signature]</u>	<u>10/30/09</u>
		Fisheries Scientist	Date
Revision Year:	<u>2010</u>	<u>[Signature]</u>	<u>10/30/09</u>
		Habitat Operations Manager	Date
Revision to:	Atlas _____	<u>[Signature]</u>	<u>50 OCT 09</u>
	Both <u>A</u>	AWC Project Biologist	Date
Revision Code:	<u>111-50-10070, A-2</u>	<u>[Signature]</u>	<u>11/24/09</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	10/01/2009		✓		✓
chum salmon	09/02/2009			✓	✓

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:
see attached
Coordinates (Lat,Long): Upper(58.52781,-134.81715) Lower(58.52680,-134.82254)
Revised hydro coordinates
~~reference to 09-1050~~

Name of Observer (please print): Joseph Hitzelberger
Signature: 146.63.139.163 (Web Nomination) Date: 10/01/2009
Agency: _____
Address: P.O. Box 110024 P.O. Box 110024
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): _____

Waypoint #	Description
068	N 58.52781° W 134.81715° Placed trap #1 and trap # 2 in a pool near the exit of the culvert crossing Glacier Highway on 9-30-09 @ 11:30 am. Start of track.
069	N 58.52680° W 134.82254° End of track at the confluence of Eagle River (AWC # 111-50-10070) .
070	N 58.52801° W 134.81700° Placed trap # 3 across Glacier Highway near culvert # 146 entrance.

Trap Data (*Traps pulled @ 10:15am on 10-1-09*)

Trap #	Description
1	6 Coho 60-80mm
2	3 Coho 100-120mm, 3 Coho 40-60mm, 4 Coho 60-80mm
3	Empty

Red line is the stream track

Green squares are waypoints

ADF&G Habitat Division conducted two site visits on 9-30-09 and 10-1-09 to culvert # 146 near Eagle Beach. We have been documenting fish presence on various streams that are involved with the Glacier Highway culvert replacement project. This stream has a very developed channel, however it seems to be tidally influenced. Water was only present near culvert # 146 and near the confluence of Eagle River. We tracked the stream at low tide, multiple fish carcasses were present along the bank.

Joe Hitselberger
 ADF&G
 Habitat Biologist
 (907) 465-4346

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

DIVISION OF HABITAT

SEAN PARNELL, GOVERNOR

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PHONE: (907) 465-4105
FAX: (907) 465-4759

MEMORANDUM

TO: Jackie Timothy
Regional Supervisor

DATE: 09/09/09

FILE NO: FH09-I-0025 through
FH09-I-0035

SUBJECT: Glacier Highway and
Trailhead (Amalga to Eagle
Beach) Site Visit

FROM: Sheila Cameron
Habitat Biologist

TELEPHONE NO: 465-4182

On Wednesday, September 2, 2009, I met with Glenn Johns (Johns' Engineering) and Rob Miller (Miller Construction) to look at each fish stream with culverts to be replaced as part of the Glacier Highway and Trailhead Department of Transportation and Public Facilities (DOT) project. There are 11 streams that have been identified, and permitted, as fish although not all are catalogued as anadromous. The permits were issued by the Division of Habitat (FH09-I-0025 through FH09-I-0035) on April 24, 2009 to DOT but no specifics for stream diversions were given at that time. The permit states:

We require you to submit a construction plan to the Division of Habitat for approval prior to conducting any in-water work. The plan shall describe your site specific methods of replacing each culvert listed in Table 1, including sediment and turbidity control procedures, stream diversion and dewatering measures, and proposed construction timing.

We met at Amalga Harbor and drove out the road, stopping at each of the fish culverts to assess conditions and discuss methods necessary for fish preservation. Miller construction initially thought the culverts would not be replaced until spring 2010, but they now believe that they can have the job completed before winter. At this time of year, there is a greater concern for fish as adults are returning to spawn and eggs are in the gravels, in addition to rearing salmon's presence. **For all the permitted culvert replacements, fish fences need to be placed upstream and downstream and the area trapped overnight prior to dewatering to minimize the number of fish caught in the dewatered section. Any adult salmon or residual juveniles found will need to be moved upstream of the work area prior to dewatering.**

Pipes 115-121 (FH09-I-0025 through FH09-I-0029) have a significant amount of water in them, but no visible flow (Photo 1). Glenn proposes to dig a diversion ditch parallel to the stream and divert water into that ditch while the culvert is replaced, then divert the water back into the stream.

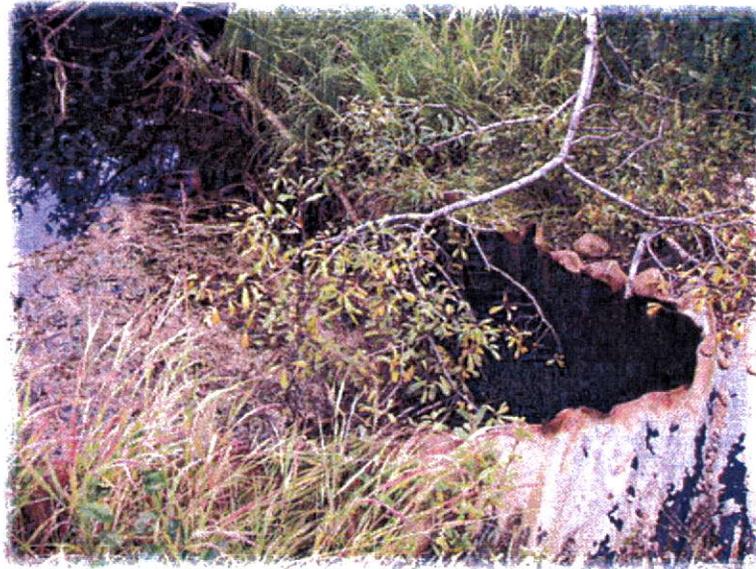


Photo 1: Upstream end of culvert 120

Pipes 135 and 136 (FH09-I-0030 and FH09-I-0031) have no visible water movement and Glenn proposes to dam the streams above the culverts and pump water around the work area as needed to dewater the area. These streams are catalogued for coho salmon spawning and rearing and Dolly Varden char rearing. There were no visible fish at either site, but it is quite possible that returning coho have not made it here yet. **These streams would benefit from being inspected within a week of the actual work to determine if anything further is needed to protect returning coho.**

Pipe 137a (FH09-I-0032) has no visible movement of water and no visible fish. They propose to dam the area and pump the water out. This stream is catalogued for coho salmon spawning and rearing and Dolly Varden char rearing. Although fish were not visible, it is quite possible that returning coho have not made it here yet. **This culvert would benefit from being inspected within a week of the actual work to determine if anything further is needed to protect returning coho.**

Pipe 137b (FH09-I-0033) is downstream of 137a on Tongsgard Road. This pipe is slightly perched on the outlet (photo 2) and spawned out chum salmon were visible both upstream and downstream of the culvert (photo 3). Glenn stated that a diversion ditch would be used for this culvert replacement. I recommend that as little of the streambed above and below the culvert be disturbed as possible due to the high probability of eggs in the gravel. **It would be ideal to wait until spring (after the fry are out of the gravels) for replacement of this culvert.**



Photo 2: Outlet of 137b



Photo 3: dead chum downstream of 137b

Pipe 145 (FH09-I-0034) is quite perched on the outlet (photo 4) and is a barrier to upstream migration of fish. There were adult chum (both alive and dead) in the large plunge pool while none were visible upstream of the culvert. The plans for this site include filling the plunge pool with scour materials. **While the culvert could be replaced in the fall if necessary, adding material to the plunge pool would kill all eggs in the gravels and should not be done until the fry outmigrate in the spring.**



Photo 4: Outlet of 145

Pipe 146 (FH09-I-0035) is perched with a smaller plunge pool than 145. This culvert does appear to be a blockage to fish. There were three adult chum salmon in the pool just below the culvert (photo 5). This stream is not catalogued as anadromous, so I will be submitting a nomination based on the presence of the chum salmon during our site visit. Miller will dam the stream and pump the water around the work site.

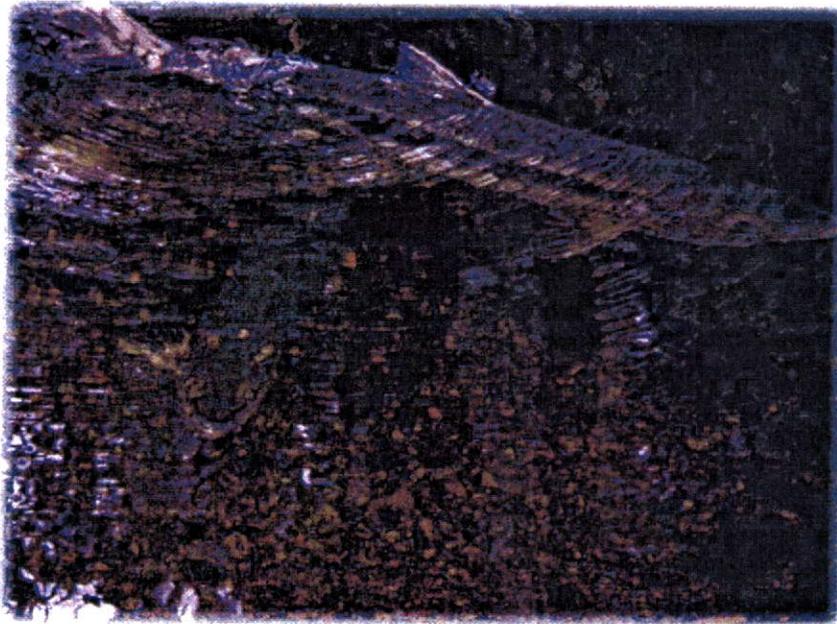


Photo 5: Chum salmon downstream of culvert 146

CC via email:

Al Ott, ADF&G Habitat, Fairbanks

Walt Loewen, DOT, Juneau

Art Dunn, DOT, Juneau

Glenn Johns, Johns Engineering

Brian Glynn, ADF&G SF, Juneau

Kevin Monagle, ADF&G CF, Juneau

Johnson, J D (DFG)

From: OnlineFDDNominations@state.ak.us
Sent: Thursday, October 01, 2009 5:40 PM
To: Johnson, J D (DFG)
Subject: Online Nomination Sumbitted at {ts '2009-10-01 17:39:21'}... Saving Nomination to Database

You have the following new nominations.

UserID - 1126

UserName - Joseph Hitselberger

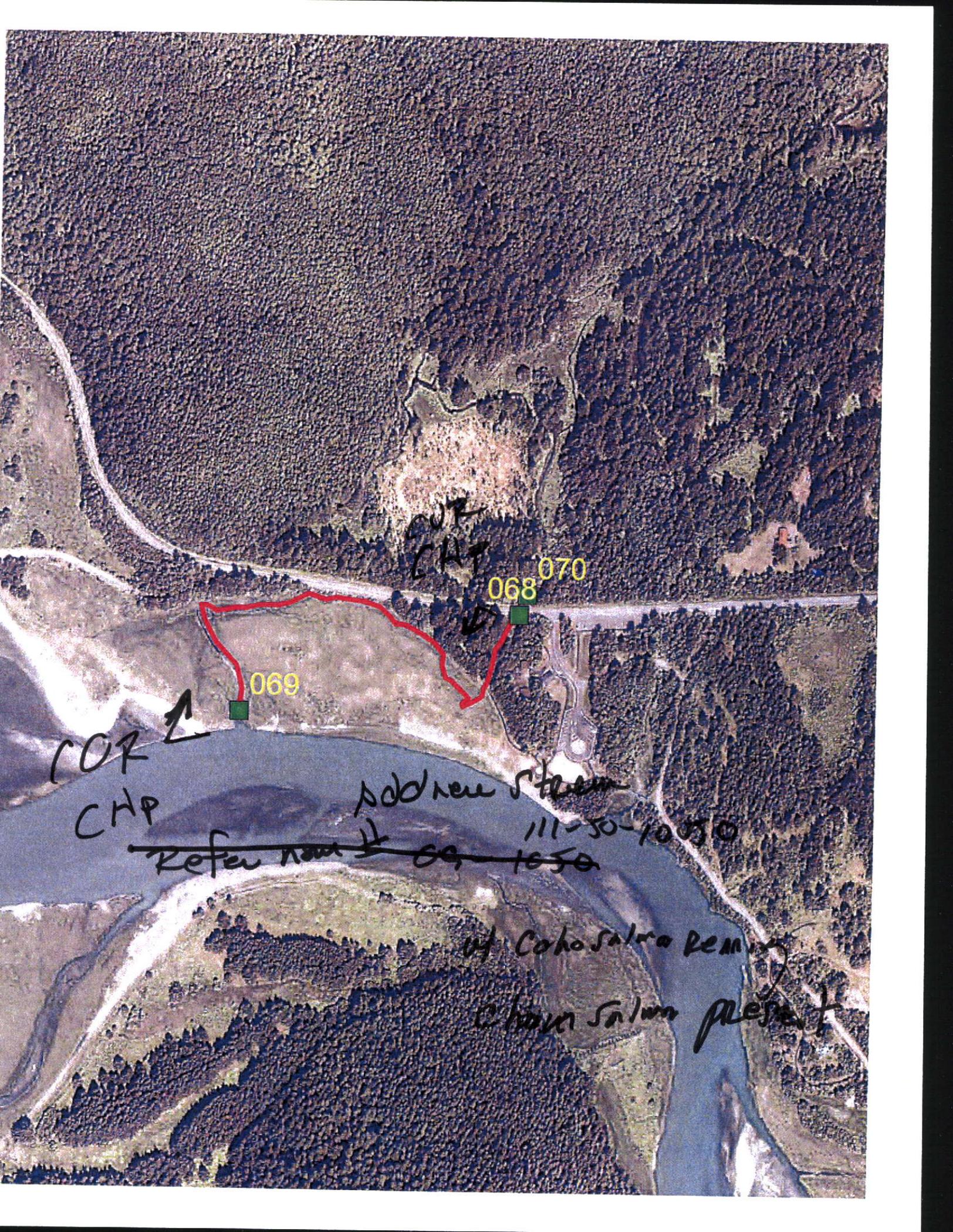
**Thank You for submitting your nomination.
Your Nomination was successfully saved.**

This is the nomination number for your submitted nomination:

09-1433

Please write these numbers down or print this page for your records.

If you have further questions please feel free to email j.johnson@alaska.gov.
Thank you for your time.



COR
CHP

068 070

069

COR
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Add new stream

~~Refer new # 09, 1050~~ 111-50-1050

at Coho Salvo Reming
Chavo Salvo present