



State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

Region II USGS Quad(s) C-53 Seward C-8
 Anadromous Waters Catalog Number of Waterway N/A 244-30-10010-2177
 Name of Waterway Hargood Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>150195</u>	Fisheries Scientist _____ Date _____
Revision Year: <u>2016</u>	Habitat Operations Manager _____ Date _____
Revision to: Atlas _____ Catalog _____ Both _____	AWC Project Biologist <u>[Signature]</u> Date <u>2/2/15</u>
Revision Code: <u>F-3</u>	Cartographer _____ Date _____

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

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: Documenting no fish observed during an electroshocking event on 6/15/15. Stocked the 2 branches of the stream from the pond + outlet downstream for ~500yds. See attached 2015 documentation and 1987 documentation

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print): Patti Berkhahn
 Signature: [Signature] Date: JUN 29 2015
 Agency: ADFG, Habitat Division
 Address: River Center 574 Funny River Rd Soldotna, AK 99669

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: [Signature] Date: 6/15/15 Revision
 02/08

FIELD DATA: CATCH INFORMATION

SITE LOCATION		SITE DESCRIPTION	
Hargood Creek		meandering tributary to Quartz Creek	
DATE		APPROXIMATE TIME	
6/9/2015		2 PM - 4 PM	
WATER TEMPERATURE		SPECIFIC WATER CONDUCTIVITY	
7.7°C		134 u	
WAVEFORM SELECTED (RECORD SETTINGS, E.G., FREQUENCY)			
330 - 37 Volts 25% Duty Cycle 30 Hz			
FIND THRESHOLD VOLTAGE; START LOW, FISH 5-10 MINUTES, RECORD RESULTS, REPEAT UNTIL THRESHOLD IS DETERMINED			
VOLTAGE SETTING	CATCH RESULTS	FISH REACTION	THRESHOLD?
330 V	0 Fish	Scuds	maybe
360 V	0 Fish	scuds	maybe
375 V	0 Fish	scuds	maybe
DESCRIBE ANY EVIDENCE OF FISH STRESS OR INJURY; AT WHAT VOLTAGES?			
No Fish caught Hundreds of scuds to the surface, but they recovered in ~ 20 seconds or less			

MISC NOTES

OPERATOR/CREW

shocked various reaches of stream from pond outlet upstream + downstream of Quartz Creek Rd to ~ 500yds downstream of culvert

Bryr Harris
Brian Blossom
Patsi Berkhahn

GPS @ culvert: 60.50072N -149.67143W

PB, BB, B12

6/18/15
149.62W

Harwood Creek

6/18/15

7.7°C

134

GPS @ 149.62W from map
60.30.08 (60.50133V)
-149.40.2 (149.62W)

330 Directed Pulchell

30 Hz

OFish - scuds surfacing

3x DP
375 DP

25%
25%

30 Hz scuds by
30 Hz the dozer

OFish

Pondal

25%

375

DP

25%

30 Hz

Downing: X

OFish

X

X

X

X

X

375 V

25%

30 Hz

collected by map: 149.40.31
60.30.09

OFish

Out let

collected

GPS

60.50072 N

149.6171 W

149.6171 W

this does not map out this

HARGOOD CREEK ELECTROSHOCKING SURVEY JUNE 8, 2015 BERKHAHN, BLOSSOM, HARRIS



Hargood Creek area of heavy panning, sluicing, and dredging



Hargood Creek main channel



Hargood Creek main channel



Ponded area/side channel



Hargood Pond Shocking lakeshore



Hargood pond outlet



Hargood Creek downstream of pond

Files

August 4, 1987

267-2284

Cooper Landing
Area Fish Trapping

Stewart Seaberg ^{SS}
Habitat Biologist
Region II
Habitat Division
Department of Fish and Game

The following are the results of stream surveys done in the Cooper Landing area on July 23, 1987. All streams were sampled with baited minnow traps which soaked for approximately three hours.

Jean Creek/Lakes - (Milepost 61.2) - A lake between Upper and Lower Jean Lake was found to have no outlet. This lake is currently listed as containing anadromous fish (Dolly Varden) and will be nominated for deletion. The lake was surrounded by high hills on all sides and is shown on the USGS quad as having Jean Creek as an inlet and outlet.

Fuller Creek - (Mile post 57 Sterling Highway) - Minnow traps were set below and approximately $\frac{1}{4}$ mile above a culvert under the Sterling Highway. Twelve juvenile coho salmon were in the minnow trap above the highway and eight cohos, one Dolly Varden, and one rainbow trout were trapped below the highway. Fuller Creek has good rearing habitat but limited spawning habitat exists in the stretch from the Kenai River to the sampling site, $\frac{1}{4}$ mile above the highway.

Cooper Creek - One baited minnow trap was set approximately $\frac{3}{4}$ of a mile above the highway. No salmon were trapped but two Dolly Varden were caught. This stream was flowing very swift and there was very limited spawning or rearing habitat.

Bean Creek - Minnow traps were set above and below a slightly perched culvert (4 inches), resulting in fifteen Dolly Varden and four coho salmon found below and three Dolly Varden found above the culvert. This creek seemed to be at an average flow judging from the vegetation stream banks. Excellent rearing habitat and some spawning habitat exists in the first mile of Bean Creek.

Unnamed tributary to Quartz Creek - (milepost 43 Sterling Highway) - One minnow trap was set below and one set immediately above culvert under the highway. The trap below the highway yielded one king salmon and four coho salmon

Hargood Creek page 2

while the trap above the highway had no fish in it. The stream becomes quite steep just above the highway and it is possible that fish passage is precluded at that point.

Dry Creek - baited minnow traps were placed below and approximately $\frac{1}{2}$ mile above the bridge on Crescent Creek road. No fish were caught in either trap. This creek was running swift and high judging from streambanks. Limited spawning or rearing habitat exists in the portion of the stream surveyed.

Shackelford Creek - (Mile 1 Snug Harbor Road) Minnow traps were placed above and below culverts under Snug Harbor Road but no fish were caught. This stream was also flowing high and has limited spawning and rearing habitat.

Hargood Creek - This stream was walked from the near Crescent Lake Trailhead down to the gravel pits into which it flows. There is no outlet to these gravel pits. Hargood Creek must percolate through to gravel after flowing into these pits. Electrofishing was attempted in the lower portion of the stream and no fish were found. It is assumed that no fish are in any part of Hargood Creek.

Summit Creek - Mile 42.6 Seward Highway - One minnow trap was set below culvert under the highway in which two Dolly Varden were caught. This stream is fairly swift and does not have much good spawning and/or rearing habitat. It has been rumored that adult coho salmon have been seen near the highway in Summit Creek. Further sampling is necessary to determine if anadromous fish are indeed present there.

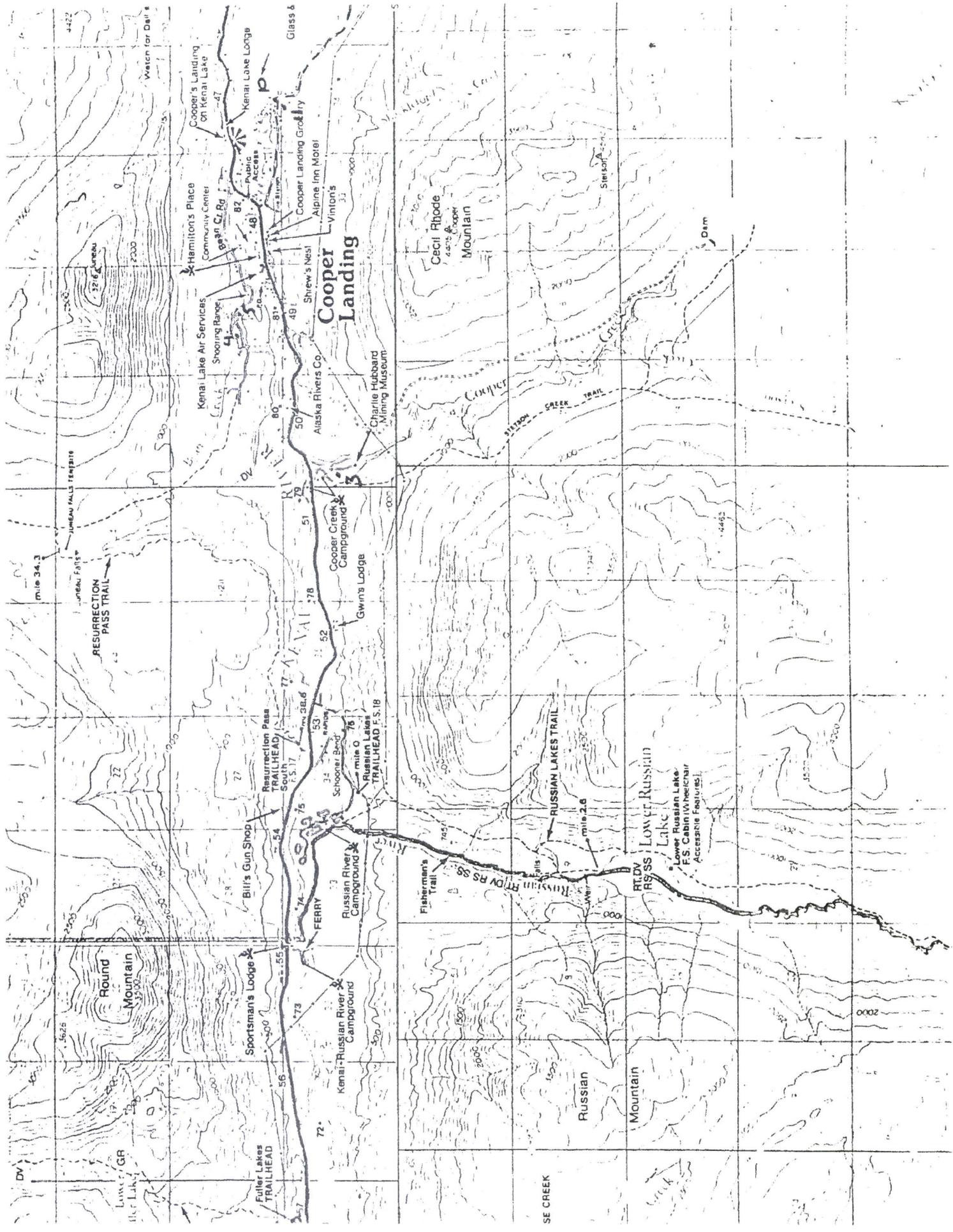
Please see attached map and summary sheet for sampling sites and specific site results.

Attachments

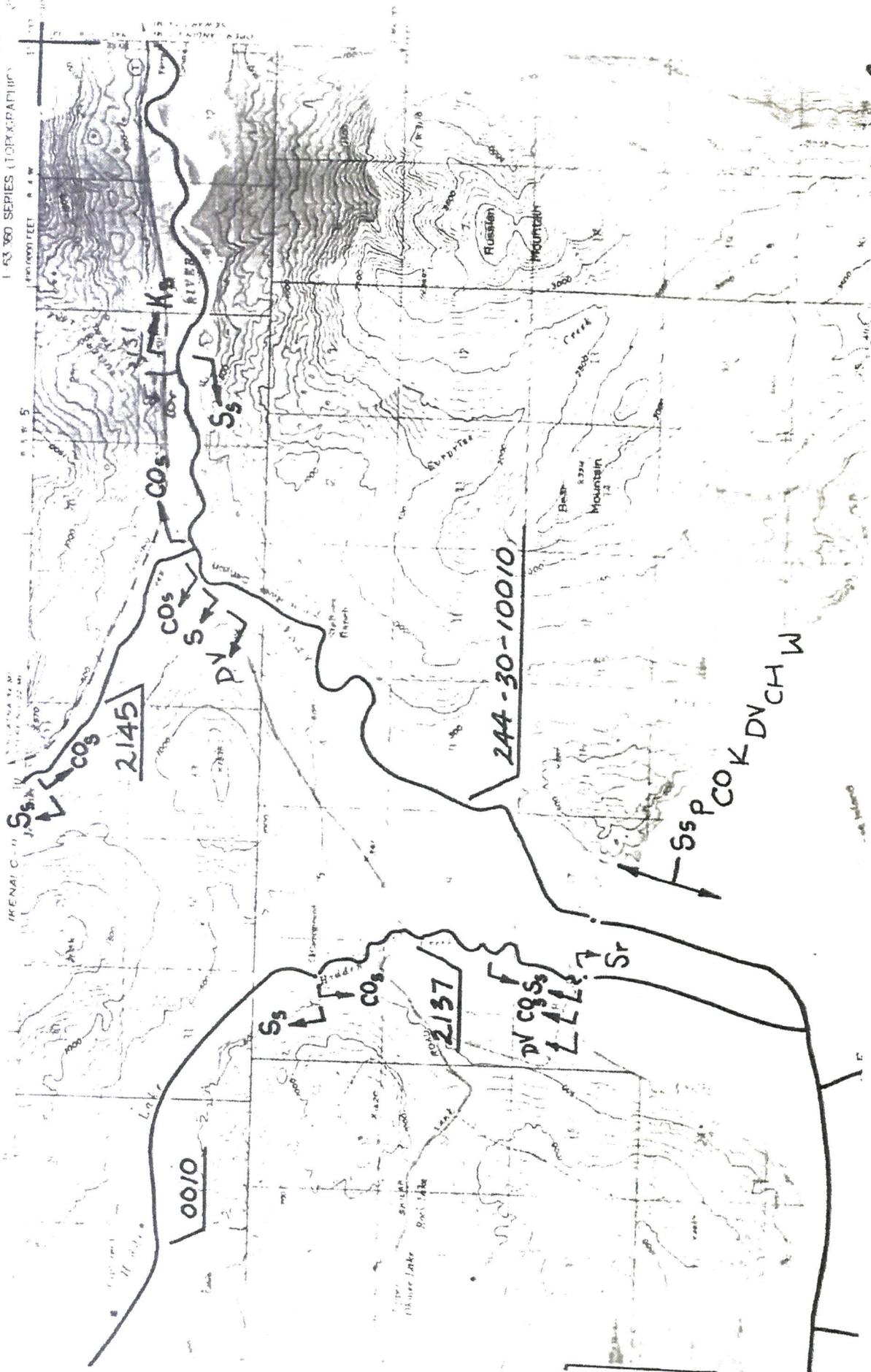
cc: Don McKay
Phil Brna

Cooper Landing Area Fish Trapping Summary

Site #	Results
1	12 Coho Salmon
2	8 Coho Salmon 1 Dolly Varden 1 Rainbow Trout
3	2 Dolly Varden
4	3 Dolly Varden
5	4 Coho Salmon 15 Dolly Varden
6	No Fish
7	4 Coho Salmon 1 Chinook Salmon
8	No Fish
9	No Fish
10	No Fish
11	No Fish
12	2 Dolly Varden



KENAI (B-1) QUADRANGLE
ALASKA - KENAI PENINSULA, BORING
1:53,000 SERIES (TOPOGRAPHIC)



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

1987
 Year of Revision
 88-015

Anadromous Water Catalog Volume SC II
 USGS Quad (52) Kenai B-1
 Name of Waterway Fuller Creek
 Anadromous Water Catalog Number of Waterway 244-30-10010-2151

Change to _____ Atlas
 _____ Catalog
X Both
 Addition X
 Deletion _____
 Correction _____

Name addition:
 USGS name Fuller Creek
 Local name _____

For Office Use

Nomination # _____	
<u>[Signature]</u> Regional Supervisor	<u>11/16/87</u> Date
<u>[Signature]</u>	<u>11/18/87</u> Date
<u>FI</u> Drafted	<u>11/18/87</u> Date

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>Coho</u>	<u>July 23, 1987</u>		<u>X</u>	

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.
12 Coho Salmon caught in baited minnow trap above Sterling Highway
and 8 Coho salmon, 1 Dolly Varden and 1 Rainbow Trout caught below.
See attached report

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) Stewart Seaberg
 Date: 10/15/87 Signature: [Signature]
 Address: ADF&G / Habitat Div
333 Raspberry Rd Anch
 Signature of Area Biologist: [Signature]

Johnson, J D (DFG)

From: Berkhahn, Patti <PBerkhahn@kpb.us>
Sent: Monday, June 15, 2015 3:45 PM
To: Bales, James E (DFG); Johnson, J D (DFG)
Subject: RE: Electroshocking data
Attachments: Hargood Creek Anadromous backup.pdf

Here is all the data I have on Hargood Creek. I'm not sure if you will do anything with it, but here it is compiled into an anadromous nomination packet.

Patti Berkhahn
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ADFG, Habitat Division
River Center
514 Funny River Road
Soldotna, AK 99669
907 714-2476
patricia.berkhahn@alaska.gov
(State agency housed in Kenai Peninsula Borough Building)

From: Bales, James E (DFG) [<mailto:james.bales@alaska.gov>]
Sent: Sunday, June 14, 2015 1:55 PM
To: Ayers, Scott D (DFG); Snow, Ryan E (DFG)
Cc: Berkhahn, Patti; Giefer, Joe (DFG)
Subject: RE: Electroshocking data

Sounds like something we would have to manually enter. If Patti wants to send me all of the relevant data/details associated with that sampling event, I can see if we can get it entered (fyi...it won't likely be part of the upcoming FRM AFFI update).

From: Ayers, Scott D (DFG)
Sent: Wednesday, June 10, 2015 3:06 PM
To: Bales, James E (DFG); Snow, Ryan E (DFG)
Subject: FW: Electroshocking data

Hi Gents,

Any suggestions for Patti's question below?

Thanks!
Scott

From: Berkhahn, Patti [<mailto:PBerkhahn@kpb.us>]
Sent: Wednesday, June 10, 2015 3:03 PM
To: Ayers, Scott D (DFG)
Subject: Electroshocking data

Yesterday we electroshocked a section of Hargood Creek in Cooper Landing that is a popular mining stream. Data from 1987 said this was a non-fish bearing stream. We wanted to verify the data and did not find any fish on our afternoon adventure. It would be nice to have this noted on the Fish Resource Monitor. Is there a way to do this?

Patti Berkhahn
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