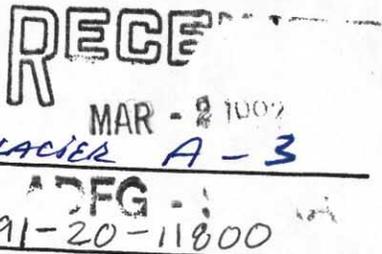


Nomination for Waters
Important to Anadromous Fish



ALASKA DEPT. OF
FISH & GAME



AWC Volume (SE) SC SW W AR IN USGS Quad

MAR 25 1992 BERRING GLACIER A-3 REGION II

Anadromous Water Catalog Number of Waterway

HABITAT DIVISION 191-20-11800

Name of Waterway Johnston Creek

USGS name Local name

Addition Deletion Correction Backup Information

For Office Use

| | | |
|---|--|------------------------|
| Nomination # <u>93 016</u> | <u>Richard Reed</u> Regional Supervisor | <u>3/23/92</u> Date |
| Revision Year: _____ | <u>Ed Wain</u> | <u>12/16/92</u> |
| Revision to: Atlas <input type="checkbox"/> Catalog <input checked="" type="checkbox"/> | <u>A. Inoue</u> Drafted | <u>1/7/93</u> Date |
| Both <input checked="" type="checkbox"/> | | |
| Revision Code: <u>A-2</u> | | |

OBSERVATION INFORMATION

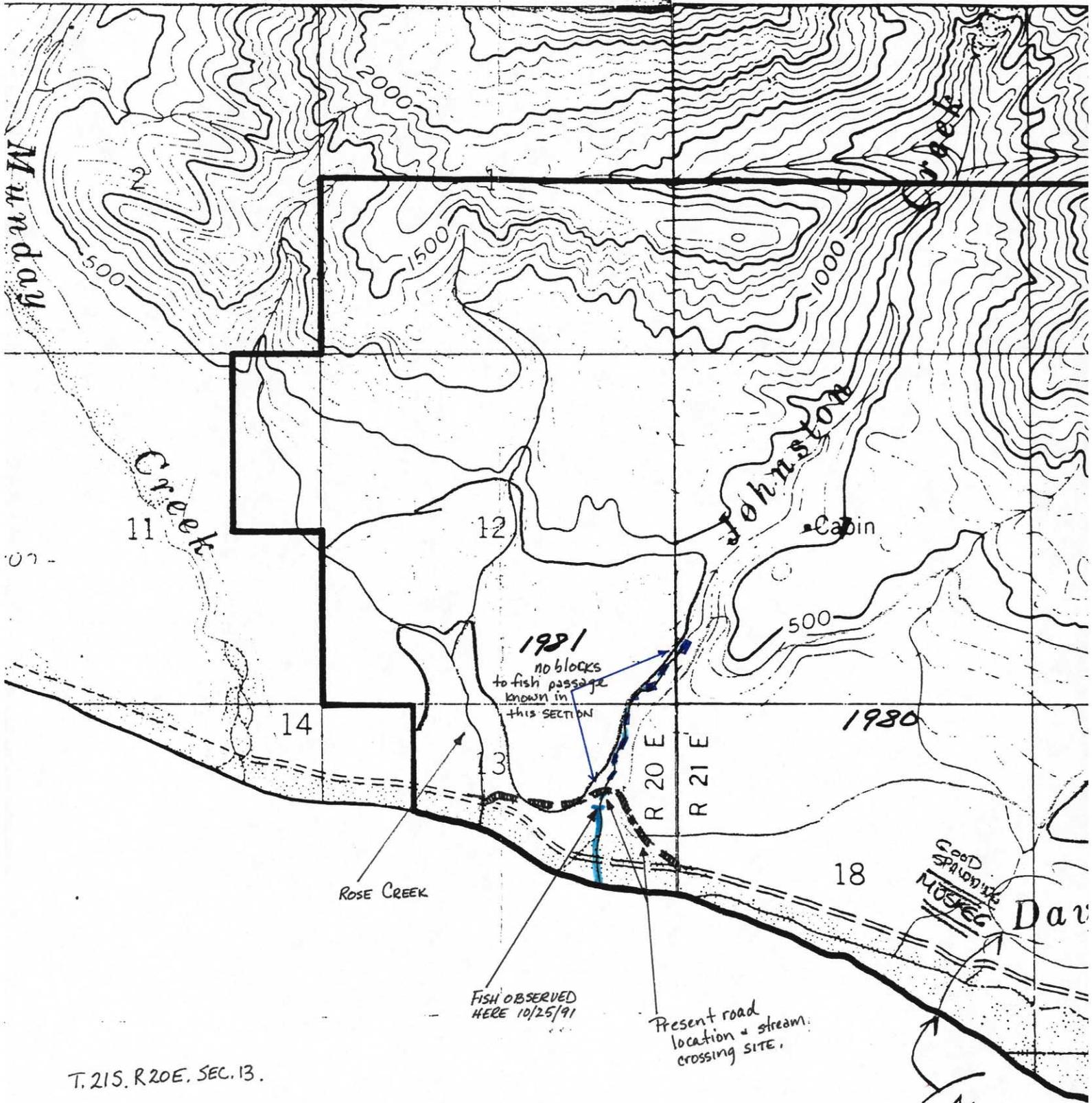
| Species | Date(s) Observed | Spawning | Rearing | Migration | Anadromous |
|-------------|------------------|----------|---------|-----------|------------|
| <u>coho</u> | <u>10/25/91</u> | | | <u>X</u> | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. 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.

Comments:

About 100 yds downstream of a logging road that crosses Johnston Creek, I observed the dorsal fins of 4 migrating coho break the water surface. They were holding in pool below a shallow section in the creek. Johnston Creek has not been cataloged Anadromous; to my surprise. Additional sampling info from D. Hardy EWW 12/11/92

Name of Observer (please print) Keith Weiland
Date: 2/21/92 Signature: Keith Weiland
Address: P.O. Box 48
YAKUTAT AK 99689
Signature of Area Biologist: Keith Weiland



T. 215. R. 20E. SEC. 13.

ADD STREAM
191-20-11800
w/ CO

* NOTE NEW
ROAD ALIGNMENT

Mud/pilled
creek - glacial in n

DEC 14 1992

REGION II
HABITAT DIVISION

Johnston Creek (Icy Bay) stream survey and fish trapping

5/20/92

At Icy Bay , Dan Bowden met me and we dropped of some of my gear at his trailer. He had a big chunk of salmon eggs so we grabbed them and headed out to Johnson Cr. We set 7 traps in the general vicinity below the proposed new bridge site. Water is down and pretty silty. The last trap was in the water by 1:30 pm. Went back to the truck and videotaped the new location with Dan narrating what he wants to do. The general plan sounds reasonable. He also had the T16 permit application in the truck...said that Mike had helped draw it up but he had added more current info to the maps. We continued to walk the site and then headed upstream. A group of about 12 Canadian geese flew overhead with one snow goose in the line.

We worked our way upstream, visually looking for fry and side channels that might exist with clear water and protected from the scouring effects of the mainstem. In many places, there are deposits 5-8' deep of gravel, cobble and boulders and the channel is over 200' wide with evidence of recent water across all of it. In one place, the water had even come completely out of that expanse and flooded a side terrace approximately 10' higher than the existing water level. Johnson Creek literally thrashes from one side of the channel to the other. Huge pieces of LWD have trapped and created large bars.

At one place, Dan and I crossed over a large tree bridging the stream. the west end of the trunk with the rootwad was partially buried in the channel and had trapped about 4' of material upstream. The portion we crossed was elevated about 6-8' above the live water channel. In the branches, rocks the size of grapefruit were jammed between the limbs and the trunk.

Although it looks like the channel narrows to a sharp v-notch when you look upstream from the bridge, the channel actually narrows only briefly and then widens out again. More than a mile up the channel, the valley opens up again and the stream has moved back and forth through a 300' wide floodplain.

Approximately 1/2 mile above the existing bridge, a small clear water channel exists on the east side. It extends 300-400 feet and was approx. 2-3' wide. The water depth was shallow and was 6-8" in the deepest pool. Although it appears that this channel may occasionally receive some higher water flow spilling over from the main creek, there were gravel present that would be flushed out if the velocity of the overflow was significant. I believe that any salmon would have to exist in these type of side channels. Also, there were numerous bottom organisms present; hellgrammites.

While looking along the clear channel, we saw a sizeable fish (meaning it was larger than a fry we were searching for) dart underneath some basketball sized rocks. We lifted the rocks and caught a 6-7" long Dolly Varden char. We photographed it and released back into the water.

Continuing upstream, we examined both sides of the mainstem for any clear water side flow that we could find. Most of them existed on the east side of the mainstem. Many were steep and groundwater and were short (100 feet or less in length) and shallow.

Between 1/2 mile and 3/4 mile upstream there were small orange-ish globs of what appeared to be emulsified oil oozing from the banks and flowing into the stream. Small sheens on the water were present for a short distance.

At about 1 1/4 mile upstream, a nice side channel with clear water enters the mainstem on the east side. Three Dolly Varden were in one of the upper pools (4" in length). The channel angled back towards the east. About 50' further up the east side, another channel comes off of a side slope v-notch. The water quality is good and there is suitable rearing habitat for about 300', however, no fry or smolts are seen.

We head back down to the traps. It is now around 5:30 pm, 4 hours since we set them.

#1 500' downstream from the new bridge site 2 DV (4" long)

#2 425' downstream 0 fish

#3 400' downstream side channel east of main; 2 coho smolts (3" long), 5 DV 2-6", 3-4"

#4 400'-25' west of #3 0 fish ...move 50' west

#5 300' ...0 fish

#6 350' side channel 50' west of main ...0 fish (move to other side(west) of #7

#7 south edge of new road alignment 1 DV - 4"

We reset the traps and put them back in the water in the same areas except as noted above. A large black bear was near the back of the truck when we got back to the truck.

5/21/92 -- overnight trap results on Johnson Cr.

We headed to Johnson Creek next to retrieve the fish traps:

#1 500' downstream from the new bridge site; 0 fish

#2 425' downstream 0 fish

#3 400' downstream side channel east of main; 4- 4-5" DV, 1 stickleback...collected

#4 400'-25' 50 west of #3 2- 4-5" DV

#5 300' in mainstem ...1 DV - 6"

#6 350' side channel 50' west of main ...0 fish other side(west) of #7

#7 south edge of new road alignment 0 fish

Those traps placed more into the mainstream were heavily coated with silt that completely blocked all of the mesh. There had been a noticeable subsidence in water levels from yesterday. This was probably due to overnight cooling of the glacier-fed stream at higher elevation and a reduction in the ice melt.

Phil Mooney
Habitat Biologist
Sitka

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

1991
 Year of Revision

Anadromous Water Catalog Volume S.E. BERING GLACIER A-3

ALASKA DEPT. OF
 FISH & GAME

USGS Quad ~~FOY BAY D-2-0-0-0~~ (T. 22S. R. 21E., SEC. 18)

DEC 24 1991

Name of Waterway _____

Anadromous Water Catalog Number of Waterway _____

flows into 191-20-13400 - 2003

REGION II
 HABITAT DIVISION
 For Office Use

Change to _____ Atlas
 _____ Catalog
X Both

Addition X

Deletion _____

Correction _____

Name addition:

USGS name _____

Local name _____

| | |
|--|-------------------------|
| Nomination # _____ | |
| <u>Richard Reed</u> Regional Supervisor | <u>12/20/91</u> Date |
| <u>Ed Weir</u> | <u>2/19/92</u> |
| <u>FI</u> Drafted | <u>2/14/92</u> Date |

| Species | Date(s) Observed | Spawning | Rearing | Migration |
|-------------------|------------------|----------|----------|-----------|
| <u>COHO (fry)</u> | <u>8/16/88</u> | | <u>X</u> | |
| | | | | |
| | | | | |
| | | | | |

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

Male post 15.18; Fry were trapped below the culvert and were not found above it.

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) DAVE HARDY

Date: 12/17/91 Signature: Dave Hardy

Address: State of Alaska
 Department of Fish & Game
 304 Lake Street, Room 103
 Sitka, AK 99835-7563

Signature of Area Biologist: Dave Hardy

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

1992
 Year of Revision

Anadromous Water Catalog Volume _____
 USGS Quad Icy Bay D-2 + D-3 (T. 22S. R21E, SEC. 18)
 Name of Waterway _____

Anadromous Water Catalog Number of Waterway _____
flows into 191-20-13400 - 2003

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

| For Office Use | |
|---------------------|---------------|
| Nomination # | <u>92 327</u> |
| Regional Supervisor | Date |
| | |
| Drafted | Date |

Name addition:
 USGS name _____
 Local name _____

| Species | Date(s) Observed | Spawning | Rearing | Migration |
|-------------------|------------------|----------|----------|-----------|
| <u>COHO (fry)</u> | <u>8/16/88</u> | | <u>X</u> | |
| | | | | |
| | | | | |

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.
Milepost 15.18; Fry were trapped below the culvert and were not found above it.

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) DAVE HARDY

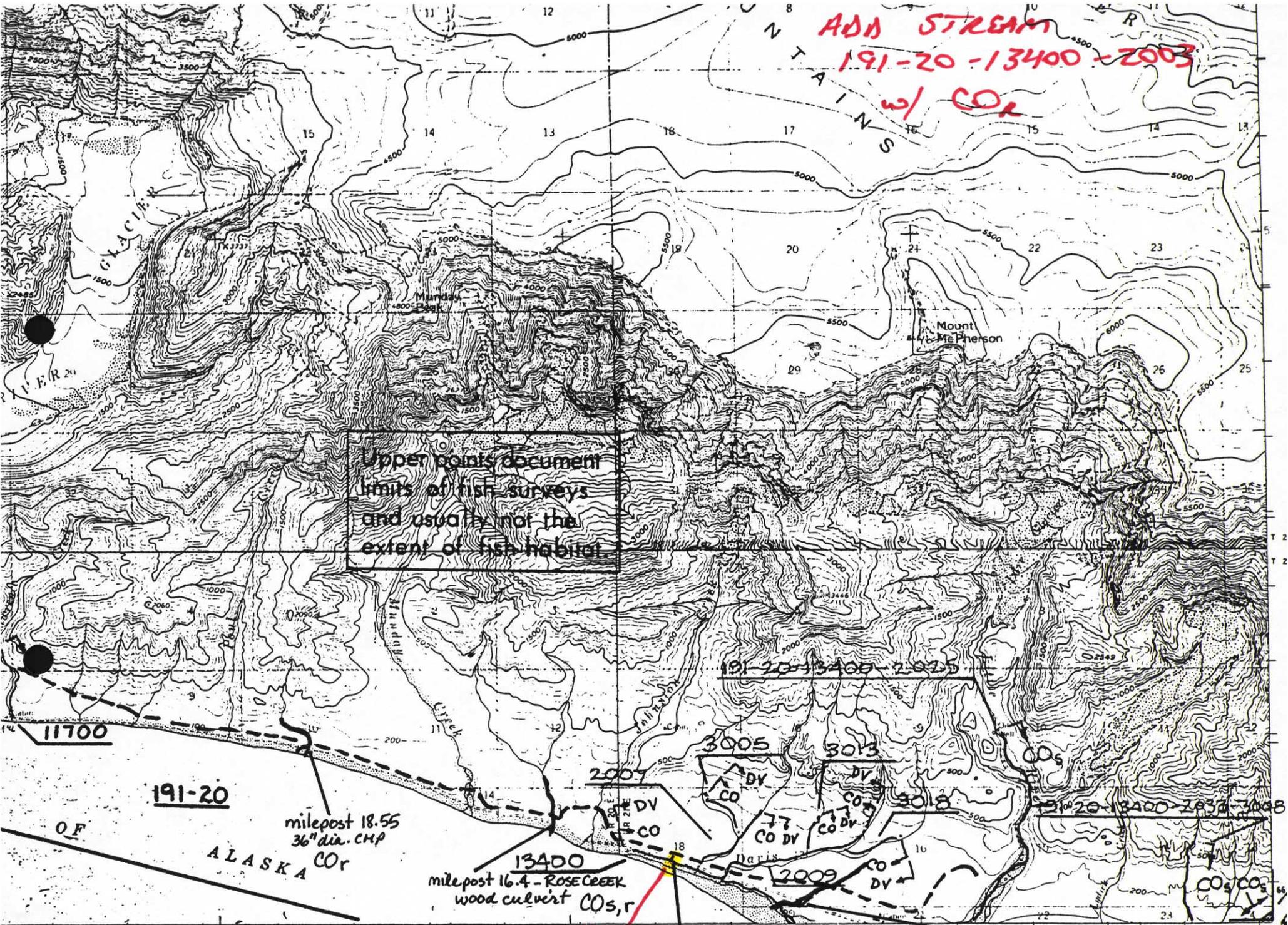
Date: 12/17/91 Signature: Dave Hardy

Address: State of Alaska
 Department of Fish & Game
 304 Lake Street, Room 103
 Sitka, AK 99835-7563

Signature of Area Biologist: Dave Hardy

ADD STREAM
191-20-13400-2003
w/ COR

Upper points document
limits of fish surveys
and usually not the
extent of fish habitat



11700

191-20

ALASKA COR

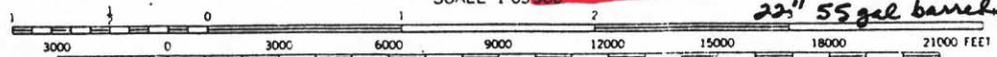
milepost 18.55
36" dia. CMP

13400
milepost 16.4 - ROSE CREEK
wood culvert COs,r

2003

milepost 15.18
22" 55 gal barrel culvert
COR

milepost 14.05
9" wood culvert
COR



INTERIOR - GEOLOGICAL SURVEY REGION VIRGINIA 1980
456000m E.

ROAD CLASSIFICATION

DEC 23 1991

MEMORANDUM

STATE OF ALASKA
HABITAT DIVISION
DEPARTMENT OF FISH AND GAME
HABITAT DIVISION

TO: Ed Weiss
Habitat Division
Anchorage

DATE: December 17, 1991

FILE NO:

TELEPHONE NO: 747-5828

SUBJECT: Anadromous
Waters; Nominations

FROM: Phil Mooney 
Habitat Division
Sitka

Enclosed is the nomination/map package for the area from Carson Creek to Hamilton Creek along the Icy Bay road. You will find a smaller scale base map and a copy of the ground survey done on August 16, 1988 enclosed for clarification.

Please note that the primary importance of this particular documentation concerned the road drainage and bridge structures of the Icy Bay road in conjunction with the State timber sale. The use of the milepost markings helps to identify specific structures as well as their location and presence of anadromous fish.

We have tried to note the upper limits of fish where possible and on the larger streams these are more easily shown. The smaller culverts often have limited habitat for rearing fish above them. For this reason, if there is any question about the upper limits of fish, please consider the immediate area above the culvert as such.

The general area has three major combinations of streams into large interconnected 'swamps' below the road. These are 1) from Jetty Creek west to Claybuff Point, 2) Watson Creek west to Icy Cape, and 3) from Big River northwest to Davis Creek. The streams' ocean outlets have 'moved' considerable distance, in some cases, than as shown on the USGS maps. We have not had the time to update these or to further clarify tributaries. There is little doubt that these 'swamps' provide considerable rearing habitat and we hope to be conducting surveys in these areas in the future.

If you have any questions, please give us a call. We have forwarded a duplicate package to Rick Reed in an effort to get the nominations out for review as quickly as possible. Thanks for your help.

cc: Rick Reed
Dave Hardy

RECEIVED

AUG 22 1988

August 16, 1988

ALASKA DEPT. OF
FISH & GAME

DEC 2 1991

REGION II
HABITAT DIVISION

Bruce,

ADFG - SITKA

THE FOLLOWING LIST OF CULVERT TYPES AND LOCATIONS WAS GENERATED BY A SURVEY DONE ON AUGUST 13+14, 1988. THE MILEPOST ASSIGNED TO EACH DRAINAGE STRUCTURE WAS DETERMINED BY CLOCKING THE DISTANCE FROM EACH MILEPOST, NOT CUMULATIVE DISTANCE FROM MILEPOST 0. DAVE HARDY (FROM ADFG) USED EITHER A DIPNET OR FRY TRAP TO CAPTURE SALMON FRY. DAVE PLANS TO NOMINATE ALL NEWLY DISCOVERED FISH HABITAT FOR INCLUSION IN THE ANADROMOUS STREAM CATALOG.

| MILEPOST | TYPE AND SIZE | ANADROMOUS | REMARKS |
|----------|--------------------------------|------------|---|
| 0.25 | CARSON CK BRIDGE | YES | BROKEN NEEDLE BEAM |
| 0.40 | 36" CMP | YES | GOOD SHAPE. (damaged upper side) |
| 0.65 | 36" CMP | YES | GOOD SHAPE |
| 0.65 | 24" CMP | YES | GOOD SHAPE |
| 1.1 | TWIN 36" CMP | YES | SCHEDULED FOR REMOVAL |
| 1.1 | 60" CMP | YES | WELL BEDDED, <1% |
| 1.25 | 18" CMP | NO | PONDS BOTH SIDES OF ROAD HIGH FLOW DRAINAGE TO SOUTH |
| 2.6 | 11" WOOD CULVERT | NO | GOOD SHAPE BUT OCCASSIONAL FILL LOSS BETWEEN STRINGERS FLOWS AT HIGH WATER ONLY |
| 3.1 | 18" CMP | NO | GOOD SHAPE. 4" GRAVEL IN PIPE |
| 3.75 | WATSON CK BRIDGE | YES | Watson Cr. flows out to beach - not back to Priest River. |
| 4.3 | 18" CMP | YES | GOOD SHAPE. HALF FULL - trib of Watson Cr. OF GRAVEL |
| 4.8 | 18" CMP | NO | RELIEF AT CAMP CK POND. FLOW CONSTRICTED - 90% CRUSHED 10' FROM NORTH END |
| 4.81 | TWIN 36" CMP | YES | GOOD SHAPE trib of Watson - not Priest Rv. |
| 6.05 | 15' LOG CULVERT 48" culvert | YES | GOOD SHAPE. OCCASSIONAL FILL LOSS BETWEEN STRINGERS. trib of Priest Rv. |

not cataloged

186-15-10400
186-15-2005

not cataloged
now 48" CMP
not cataloged

191-20-13800
not cataloged

191-20-13600

not cataloged
COHO Fry - caught
10/10/91

not cataloged
not cataloged
not cataloged

24" CMP? \otimes
(*9.8 IN CONTRACT)
Little Sandy

191-20-13400
not cataloged

191-20-13400-2033-13200
not cataloged
not cataloged

191-20-13200

| MILEPOST | SIZE AND TYPE | ANADROMOUS? | REMARKS |
|----------|--|-------------|---|
| 6.15 | PRIEST Rv. BRIDGE | YES | |
| 6.8 | 22" x 24" CMP TRIB. OF Priest Rv. | YES | MOSTLY 24" CMP BUT WITH 55 GAL BARREL SEGMENT ON NORTH END. FISH BELOW CULVERT BUT NOT ABOVE |
| 7.2 | 24" CMP | NO | HIGH FLOW RELIEF |
| 7.25 | 9' WOOD CULVERT | NO | HIGH FLOWS ONLY. BOTH SILLS BEING UNDERMINED |
| 7.4 | 24" CMP | NO | GOOD SHAPE |
| 7.85 | EAST BIA Rv. BRIDGE | YES | |
| 8.5 | 4' LOG CULVERT | NO | NORTH END OF SILLS SWAY TO GROUND LEVEL - FLOW RESTRICTED |
| 8.85 | 18" CMP | NO | SOUTH END 90% CRUSHED, NEEDS EXTENSIVE BOTH ENDS |
| 8.87 | 18" CMP | NO | NEW THIS YEAR |
| 9.0 | 18" CMP | NO | NEW THIS YEAR |
| 9.05 | 8' WOOD CULVERT | NO | 8-10" EFFECTIVE FLOW WITH 15" SILLS - FILLING WITH GRAVEL |
| 9.1 | 24" CMP | NO | HALF FULL OF GRAVEL |
| 9.25 | 18" CMP (24" CMP) | NO YES | HALF FULL OF GRAVEL MOST LIKELY TRIB LITTLE SANDY |
| 9.4 | 18" CMP | NO | GOOD SHAPE |
| 9.6 | 4' WOOD CULVERT | YES | SCHEDULED FOR 24" CMP TRIB. OF LITTLE SANDY. |
| 9.7 | 19' WOOD CULVERT | YES | NEEDS GUARD LOGS |
| 9.8 | 48" CMP (18" SANDY) | YES | GOOD SHAPE REMOVE FILL TRIB. OF LITTLE SANDY NORTH END OF CMP |
| 10.01 | 18" CMP | NO | GOOD SHAPE |
| 10.2 | Big SANDY BRIDGE | YES | SCHEDULED FOR 40' STEEL BRID |
| 10.55 | 13' WOOD CULVERT trib. to Big Sandy | YES | SCHEDULED FOR 30" CMP. THIS STRUCTURE NEEDS TO BE REPLACED SOON. |
| 10.7 | LYDICK CK BRIDGE | YES | E. BRANCH OF LYDICK Cr. trib. of Lydick |
| 10.85 | 18" CMP | YES | GOOD SHAPE |
| 11.4 | 11' WOOD CULVERT | YES | HAS GUARD LOGS W. BRANCH OF LYDICK CR. |

→ down Lydick Creek 200 yds

| MILEPOST | SIZE AND TYPE | ANACHRONOUS? | REMARKS |
|----------|---------------------------|--------------|--|
| 11.6 | 36" CMP | YES | TRIB TO LYDICK CR. WELL BEDDED, NEW 8/4/88 |
| 11.95 | 24" CMP | YES | WELL BEDDED, NEW 8/3/88 TRIB TO LYDICK CR. |
| 12.15 | 18" CMP | NO | NEW THIS YEAR, GOOD SHAPE |
| 12.45 | E. LITTLE RV BRIDGE | YES | NEW DECK THIS YEAR |
| 14.05 | 9' WOOD CULVERT | YES | GOOD SHAPE, 10-12' FILL SHIT CR. |
| 14.2 | 6' WOOD CULVERT | NO | OK BUT SILLS ARE SETTLING |
| 14.4 | 18" CMP | NO | NEW THIS YEAR |
| 14.5 | *PLANED 18" CMP | NO | NOT IN GROUND |
| 14.75 | EAST FORK DAVIS CK | YES | Log CULVERT |
| 14.95 | WEST FORK DAVIS CK | YES | Log CULVERT |
| 15.08 | 4' WOOD CULVERT | NO | RELIEF, GOOD SHAPE |
| 15.18 | 22" SS GAL BARREL CULVERT | YES | HALF FULL OF GRAVEL, ROTTING OUT, RESTRICTED FLOW, FRY BELOW CULVERT, NOT ABOVE *REPLACE |
| 15.3 | 3' WOOD CULVERT | NO | GOOD SHAPE |
| 15.5 | 4' WOOD CULVERT | NO | GOOD SHAPE |
| 15.68 | 22" SS GAL BARREL CULVERT | NO | ROTTING OUT, REPLACE |
| 16.0 | EAST JOHNSTON CK BRIDGE | NO | |
| 16.4 | ROSE CK, WOOD CULVERT | YES | WILL BE SCHEDULED FOR REPLACEMENT WITH CMP |
| 17.1 | E. MUNDAY CK BRIDGE | NO | |
| 17.9 | 18" CMP | NO | GOOD SHAPE, NEEDS DITCHING |
| 18.1 | 18" CMP | NO | GOOD SHAPE, NEEDS DITCHING |
| 18.25 | 18" CMP | NO | REPLACE, NORTH END DESTROYED BY GRADER |
| 18.3 | 18" CMP | NO | GOOD SHAPE, NEEDS DITCHING |
| 18.35 | 24" CMP | NO | GOOD SHAPE, SLIGHT DAMAGE NORTH END |
| 18.55 | 36" CMP | YES | SCHEDULED FOR UPGRADE TO 48" CMP |
| 18.6 | 18" CMP | NO | GOOD SHAPE |
| 18.75 | 18" CMP | NO | GOOD SHAPE |
| 19.0 | 18" CMP | NO | GOOD SHAPE |

not cataloged

not cataloged

1/2 mi

191-20-13100

191-20-13400-2007
13100

not cataloged

191-20-13400-2009

191-20-13400-2007

not cataloged

not cataloged

not cataloged

| MILEPOST | SIZE AND TYPE | ANNOYOUS? | REMARKS |
|----------|----------------|-----------|--|
| 19.2 | PAUL CK BRIDGE | NO | |
| 19.3 | 18" CMP | NO | GOOD SHAPE |
| 19.5 | 18" CMP | NO | GOOD SHAPE |
| 19.65 | 18" CMP | NO | EXCAVATE SOUTH END AND CUT OFF CRUSHED END |
| 19.75 | 18" CMP | NO | GOOD SHAPE |
| 19.85 | 36" CMP | NO | SLIGHT DAMAGE NORTH END BUT FLOW UNRESTRICTED |
| ? | | | |
| 20.05 | 24" CMP | NO | GOOD SHAPE |
| 20.1 | 48" CMP | NO | GOOD SHAPE. "High Rise" |

WHEN MEASURING THE WIDTH OF THE WOODEN CULVERTS,
ALL MEASUREMENTS ARE MID-SILL TO MID-SILL.

CHRIS FOLEY
8/16/88

CC ROGER SULLIVAN
DAVE HARDY