



State of Alaska  
Department of Fish and Game  
Sportfish Division

Nomination Form  
Fish Distribution Database

JB

Region Southeast USGS Quad(s) Juneau D-3

Fish Distribution Database Number of Waterway 115-20-~~10200~~ 10290

Name of Waterway Trib to Lace River  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

For Office Use

Nomination #	<u>06-528</u>	<u>[Signature]</u>	<u>10/19/06</u>
		ADF&G Fisheries Scientist	Date
Revision Year:	<u>2007</u>	<u>[Signature]</u>	<u>10/19/06</u>
		ADNR OHMP Operations Mgr.	Date
Revision to:	Atlas _____ Catalog _____	<u>[Signature]</u>	<u>10/12/06</u>
	Both <u>x</u>	FDD Project Biologist	Date
Revision Code:	<u>A-2d</u>	<u>[Signature]</u>	<u>10/24/06</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	06/15/2006		✓		✓
chinook salmon	06/15/2006		✓		✓
Dolly Varden	06/15/2006		✓		✓

**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:

This tributary to the Lace River has not been cataloged. Using minnow traps I caught 36 coho and 2 chinook about 200' upstream of the confluence with the Lace River. The upstream location at a proposed crossing of the Juneau Access Improvements Project road. At that location I caught 1 coho salmon and 1 Dolly Varden char.  
Coordinates (Lat/Long): Upper(58.8148\,9815) Lower(58.8135\,9872)

Add new stream (2660ft) 115-20-10290 w/coho & chinook salmon rearing

Name of Observer (please print): Carl Schrader  
Signature: 205.166.26.222 (Web Nomination) Date: 10/06/2006  
Agency: \_\_\_\_\_  
Address: Department of Natural Resources - OHMP Depart  
Juneau, AK 99801-1150

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 Fish Distribution Database.

Signature of Area Biologist: \_\_\_\_\_ Date: \_\_\_\_\_ Revision 02/05  
Name of Area Biologist (please print): \_\_\_\_\_



# MEMORANDUM

STATE OF ALASKA

Department of Natural Resources  
Office of Habitat Management and Permitting

TO: Jackie Timothy  
Juneau Area Manager  
OHMP

DATE: June 20, 2006

FILE NO:

THRU:

SUBJECT: Juneau Access Amphibian Survey  
and Bridge Crossing Inspection at  
the Head of Berners Bay

FROM: Carl Schrader  
Habitat Biologist

TELEPHONE NO: 465-4287

On June 15, 2006 Kate Kanouse and I conducted an inspection of the proposed Juneau Access Improvement Project road alignment at the head of Berners Bay. We were accompanied by Reuben Yost, Randy Bayliss, and Tim Reed of DOT&PF. We drove to the end of the road at Echo Cove where we loaded into a helicopter at 0900 to travel to the site. The weather was cloudy and in the 60's and VERY BUGGY.

Objectives of the inspection were to:

- Determine presence of amphibians
- Determine presence of fish in an un-cataloged tributary
- Look at locations of proposed bridges over the Antler and Lace Rivers
- Verify locations of proposed wildlife underpasses

## Amphibians

We walked the proposed road alignment between the Antler and Lace rivers visually inspecting all areas of flowing or standing water for presence of egg masses, tadpoles or adult amphibians. Our search included an area near the east side of Lace River where surveyors reported seeing abundant toads last year. We found numerous ponds and sloughs, but no evidence of amphibians.

## Fish Trapping in Tributary to Lace River

During a May 4, 2006 site visit we identified a slough that would need to be crossed by the proposed road at about Station 724. (Note centerline flagging in the middle of photo to right.)



Email CC:

Al Ott, OHMP, Fairbanks  
Kate Kanouse, OHMP, Juneau  
Reuben Yost, DOT&PF, Juneau  
Randy Bayliss, DOT&PF  
Tom Schumacher, ADF&G, Douglas  
Randy Ericksen, ADF&G, Haines  
Brian Glynn, ADF&G, Douglas  
Mark Fink, ADF&G, Anchorage



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Image © 2006 TerraMetrics



clean water 1335 h

Tray @ water

CD 20 |

30 |

40 ||

50 || ~~11~~

60 || ~~11~~

70 ||

MISC 15

K 60 ||

736

PV 100 |

MISC 8

>

locked @ Antler Slough crosses  
held back to Eric come out 1400  
Drive back to DOT

log in Antler + Lake as p15T-415

June 15, 2006

Swain Access

Kate, Rebecca, Randy, Tim Reed  
Anylik survey / cut out  
slush chf lace. 1 trap

@ pressed crossings

RT, Hike along Slay Lake  
complete at lace. Observed  
big 14 slayh seen complete  
set trap ~ 200 ft up

1010 -

Camp M. 1 DV. 1 CO @

Crossings of Slayh

Loiter @ top of Bear Camp

West Antler River Crossings

PS - Long crossing of Antler +  
upland area

, WP 42

We hiked the shore of the slough to determine if it was a stream that connected to the Lace River. Several hundred feet towards the river we found remnants of a beaver dam (58°48'49" N., 134°59'09" W) that causes ponding upstream. Downstream of this point water flowed unobstructed through a four-foot wide channel several hundred feet to the Lace River. We set minnow traps at the proposed road crossing (58° 48.888' N., 134° 58.892' W. NAD27) and about 200 feet upstream from the confluence. The traps were in the water for 3 hours.

The trap at the crossing location captured one coho salmon and one Dolly Varden char. The trap near the confluence captured 36 coho, 9 Dolly Varden char, and 2 fry (60 mm) that Kate and I felt pretty darn certain were king salmon. King salmon haven't been documented before in the Lace/Berners River system. We didn't have anything with us to bring back specimens for verification, so we returned the suspected kings to the stream. We will nominate the tributary for inclusion in the *Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes*. We also plan to do more trapping to verify the presence of king salmon. Because of the presence of fish, this crossing will require a Fishway Permit per AS 41.14.840.

### Bridge Crossing Locations

We looked at the proposed bridge crossings for the Antler and Lace Rivers, paying attention to the location of the abutments in relation to the stream banks. All abutments will be well-back of the banks, and will preserve the banks and a substantial area of riparian vegetation.

Photo at right shows typical terrain near Antler River near crossing.



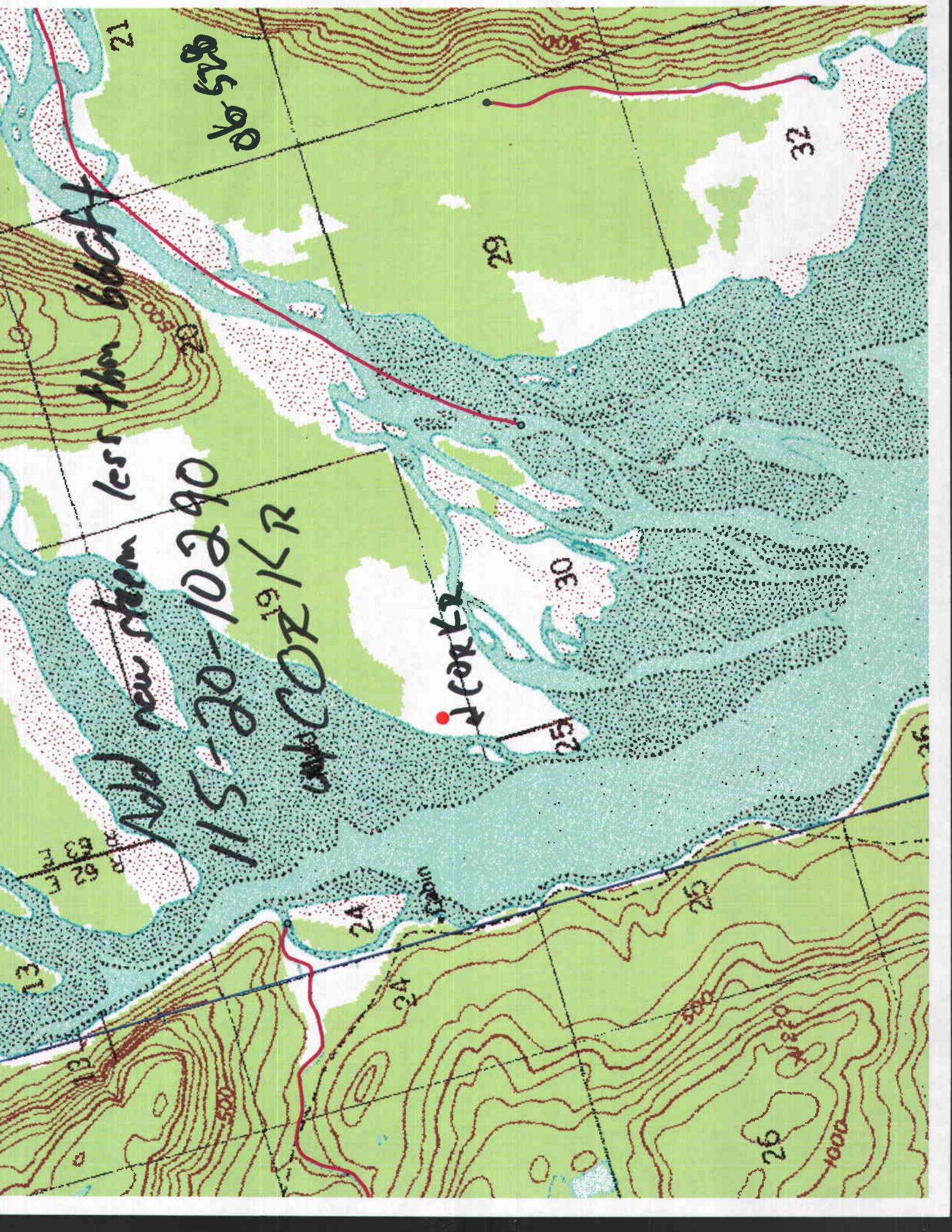
### Wildlife Underpasses

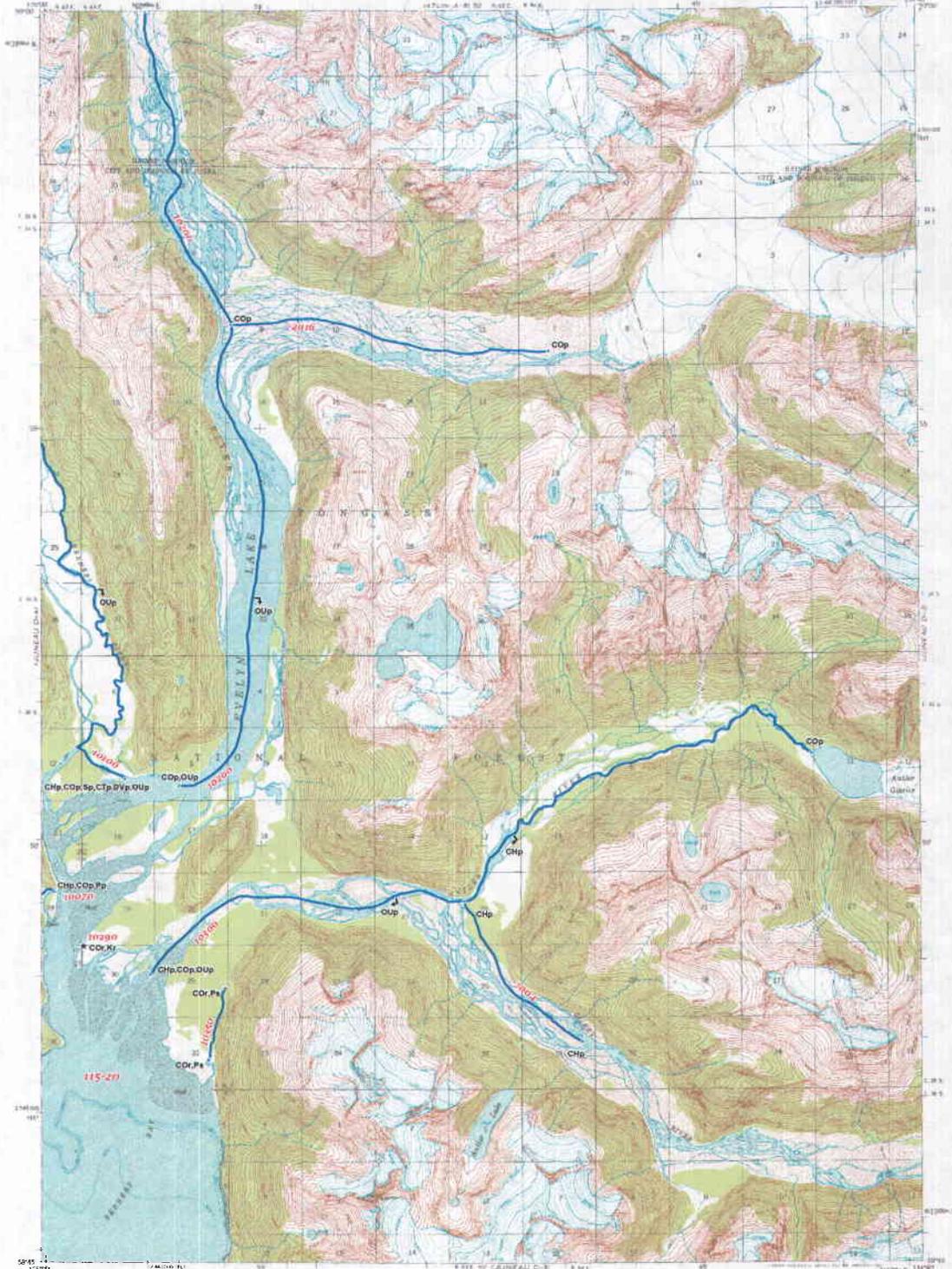
We hiked to two locations identified as major bear paths where DOT&PF plans to construct bridges to provide for wildlife passage. We easily located the trails and verified that the underpasses were properly located.

We returned by helicopter to the road at Echo Cove at 1400 hrs.

Add new stem less than 60ft  
115-20-10290  
COR 191R

↓ COR 12





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CONTOUR INTERVAL: 100 FEET  
VERTICAL DATUM: MEAN SEA LEVEL OF 1929  
HORIZONTAL DATUM: NAD 83  
SHEET NUMBER: 1000  
SCALE: 1:62,500  
FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 20192  
A POLAR BEAR BIRD TOPOGRAPHIC MAP AND SYMBOLS IS AVAILABLE ON REQUEST

STATE CLASSIFICATION  
JUNEAU (D-3), AK  
58134-06 (P) USGS  
1948  
MAY 19 1985

• Lower/Upper Point of Stream  
 ▲ Midstream Species Begin/End Point  
 ★ Short Stream (Under 660 feet)  
 ■ Lake  
 ▲ Barrier  
 Anadromous Streams  
 Anadromous Areas  
 AWC Stat Area  
 Regional Boundary

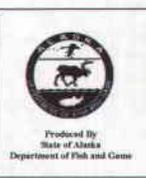
Waters Important to Anadromous Fish are listed pursuant to AS 41.14.870. Specified species distribution and life functions reflect known data. Actual distribution and use may extend beyond specified limits. Migration upstream and/or downstream is assumed for specified stream reaches.

**SPECIES CODES**

CO	coho salmon	ST	sturgeon
CH	chum salmon	AL	Arctic lamprey
K	king salmon (king)	LP	lamprey (undifferentiated)
P	pink salmon	PC	Pacific lamprey
S	sockeye salmon	LV	river lamprey
AC	Arctic char		
CT	cutthroat trout		
OV	Ooty varden		
SH	steelhead		
IF	inconnu (shallow)		
W	whitefish		
OU	ulchichon		
SM	smelt		

**LIFE STAGE CODES**

p	Present
m	Migration
r	Rearing
s	Spawning



**Fish Distribution Database Atlas**

Quad No. 011

# Juneau D-3

Revision Date 10/20/08