

AWC Volume SE SC SW W AR IN USGS Quad Seward 8-4

Anadromous Water Catalog Number of Waterway 226-20-16080-2090-0010

Name of Waterway \_\_\_\_\_ USGS name \_\_\_\_\_ Local name \_\_\_\_\_

Addition  Deletion \_\_\_\_\_ Correction \_\_\_\_\_ Backup Information \_\_\_\_\_

For Office Use

Nomination # <u>94 137</u>	<u>J. Oom</u>	<u>11/1/94</u>
Revision Year: <u>'94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>ED Wein</u>	<u>12/28/93</u>
Both <input checked="" type="checkbox"/>	<u>J. Brown</u>	<u>2/8/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho - Juvenile	8-5-93		9		✓
Pink salmon - Adult	8-27-93	5			✓

**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 any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

**Comments:** This stream was surveyed on 8-5-93 and again on 8-27-93. Coho salmon were visually identified, then captured by dipnetting for positive ID. The upper extent of coho distribution was determined and mapped. As shown on the map the distribution extended to the swamp / wetlands. Pink salmon adults were located in the pond. No barrier was found. The stream width at the mouth and the upper extent was 2 meters respectively. Gradient is 2 percent. Note: on the survey of 8-27-93 we only looked in the pond for pink salmon to determine the upper extent. No count was made from the pond downstream to the mouth.

Name of Observer (please print) JEFF BARNHART ALASKA DEPT. OF FISH & GAME  
 Date: 10-6-93 Signature: Jeff Barnhart NOV 6 1993  
 Address: 333 Raspberry Road Anchorage AK REGION II DIST AND RESTORATION

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: \_\_\_\_\_ Rev. 7/93

# STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Jack  $\phi 9$  QUAD: \_\_\_\_\_ STAGE: H M (L)  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): \_\_\_\_\_ UTM ZONE: \_\_\_\_\_  
 GPS FILES: 21F

SKETCH (indicate UTM zones, if not uniform throughout the stream)

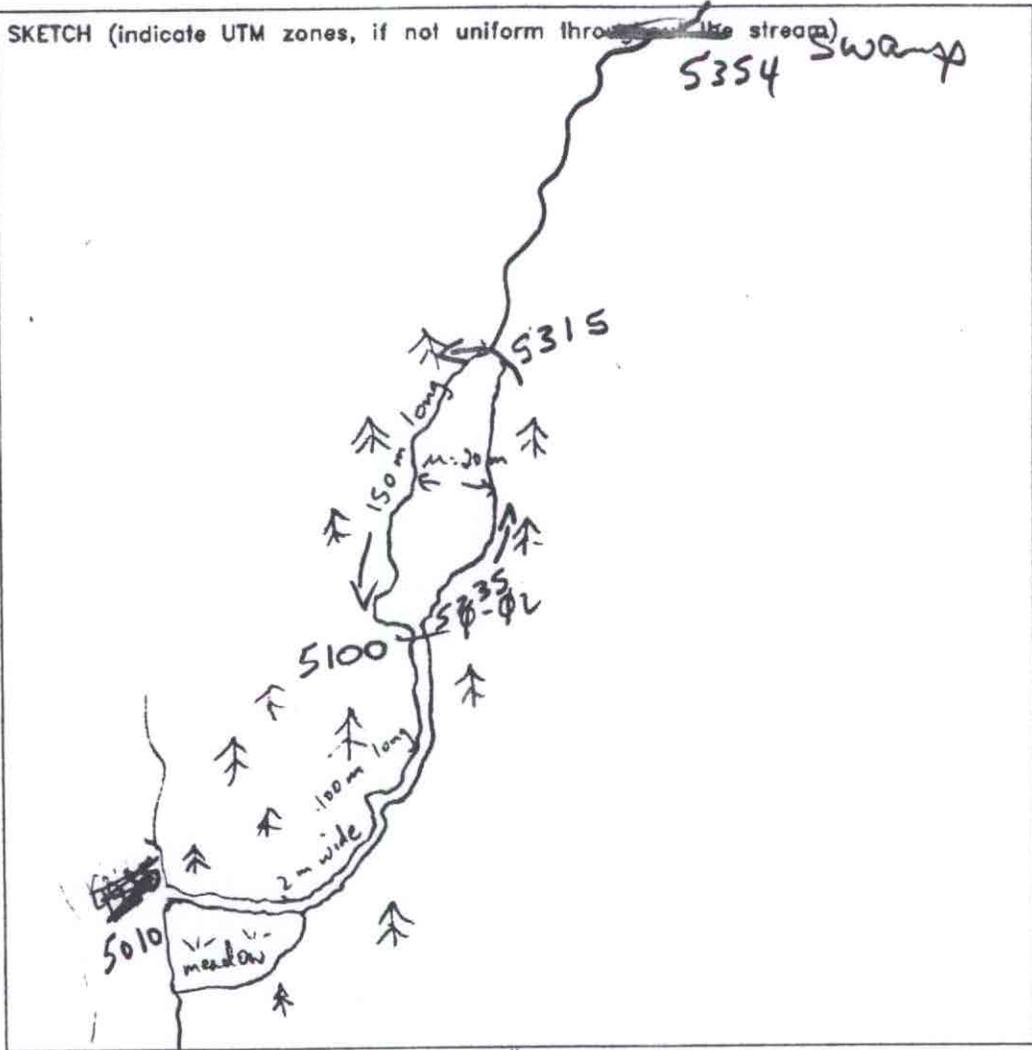


PHOTO ROLL(s): _____		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)



226-20-16086

## STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: JACK-09 SEGMENT: 9-02 DATE: 08/05/03 TEAM: G, S  
 ANADROMOUS: Y WIDTH (m): 5 - 20 LENGTH (m): 150 GPS DATE: -/- DIGITIZE: y n  
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: \_\_\_\_\_

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
<u>Salt</u>	<u>J</u>	<u>7</u>	<u>V</u>	<u>in lake</u>			
<u>Salt</u>	<u>J</u>	<u>1</u>	<u>V</u>	<u>above pond</u>			
<u>PINKS</u>	<u>A</u>	<u>5</u>	<u>V</u>	<u>in pond</u>			

B-27

Survey by J.B.  
K.S.

GRADIENT(%): 0 CHANNEL PROFILE: V A B C D E F  
 CHANNEL PATTERN: single multi braided  
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK \_\_\_ BOULDER \_\_\_ RUBBLE \_\_\_ COBBLE 3  
 GRAVEL 2 SAND \_\_\_ MUD/SILT \_\_\_ ORGANICS 1 OTHER: \_\_\_\_\_  
 STREAM COVER TYPE: ORGANIC DEBRIS V DEAD BRANCHES/TWIGS V LOGS \_\_\_ BOULDERS \_\_\_  
 CUT BANK \_\_\_ OVERHANGING VEGET. \_\_\_ OTHER: \_\_\_\_\_  
 STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:

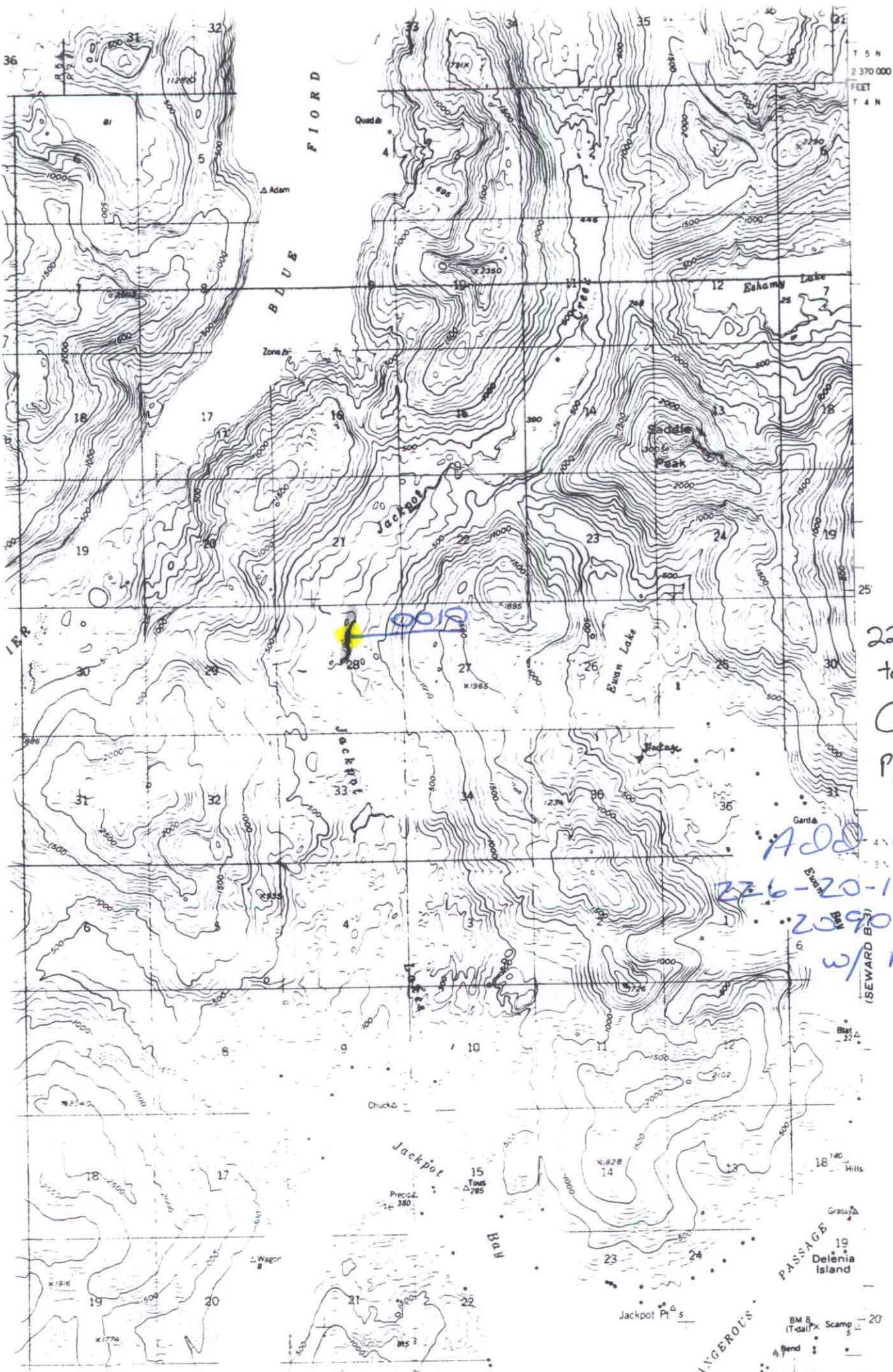
OVERSTORY: SPRUCE HEMLOCK \_\_\_  
 UNDERSTORY: GRASS HEMLOCK \_\_\_

CANOPY ABOVE STREAM: none low medium highGROWTH: mature secondary shrubs meadow muskeg intertidalTOTAL BARRIER? y n BARRIER TO SPECIES: \_\_\_\_\_ adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): \_\_\_ DIST. FROM UPPER EXTENT (m): \_\_\_

PHOTO ROLL(s): _____		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION

Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"  
 (Please enter comments on the other side)



226-20-16080  
 trib 9  
 Co<sub>R</sub> to end  
 P<sub>S</sub> in pond

ADD LAKE  
 226-20-16080-  
 2090-0010  
 w/ P<sub>S</sub>  
 (SEWARD B)

# MEMORANDUM

# State of Alaska

DEPARTMENT OF FISH & GAME

**TO:** Ed Weiss  
Habitat Biologist  
Region II  
Habitat and Restoration Division  
Department of Fish and Game

**DATE:** November 2, 1993

**FILE NO.:**

**TELEPHONE NO.:** 267-2295

**FROM:** Kathrin Sundet *KS*  
Habitat Biologist  
Region II  
Habitat and Restoration Division  
Department of Fish and Game

**SUBJECT:** Anadromous Stream  
Nominations  
and Corrections  
Project R-51

Attached are anadromous stream nominations and corrections to be included in the Anadromous Waters Catalog for 46 streams surveyed in the summer of 1993 on private lands held by the Chenega and Chugach Alaska Corporations in southwest Prince William Sound.

Streams were surveyed by the Alaska Department of Fish and Game, Habitat and Restoration Division personnel, Kathrin Sundet, Jeff Barnhart, Dan Grey, and Wes Ghormley as part of Exxon Valdez Oil Spill Restoration project R-51 aka SHA (Stream Habitat Assessment).

Streams were surveyed on foot from the intertidal zone to the upper extent of anadromous fish distribution. Adult salmon and Dolly Varden were visually identified and enumerated. Juvenile salmon were visually identified in the stream, and then captured by electroshocking, dipnet, or minnow trap to confirm identification. Sampling was conducted periodically along the stream to determine the presence of juvenile salmon. No attempt was made to determine the rearing population sizes of juvenile salmon, or to determine the total escapement of adult salmon in a stream.

Stream data are on file at the Alaska Department of Fish and Game, Habitat and Restoration office, 333 Raspberry Road, Anchorage, Alaska.

cc: Lance Trasky  
Don McKay  
Mark Kuwada