

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

Anadromous Water Catalog Number of Waterway 226-20-16077

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

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

For Office Use

Nomination # <u>94 134</u>	<u>[Signature]</u>	<u>11/4/94</u>
Revision Year: <u>-94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>ED Weins</u>	<u>5/28/93</u>
Both <u>X</u>	<u>Z. Grace</u>	<u>2/8/94</u>
Revision Code: <u>A-2d</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon - Adult	8-5-93	11			✓
Pink Salmon - Adult	8-27-93	1			✓
Chum Salmon - Adult	8-5-93	41			✓

**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: Pink and Chum salmon were visually identified and enumerated. Pink Salmon distribution extended from the intertidal zone to the 1.5 meter high logjam barrier. Chum salmon were holding in the stream mouth. Stream width ranges from 2.5 meters at the mouth to 2 meters at the barrier. Gradient is 2 percent.

ALASKA DEPT. OF  
FISH & GAME

Name of Observer (please print) KATHLEEN SUNDSET

NOV 02 1993

Date: 10/7/93 Signature: Kathleen Sundset

Address: 333 RASPBERRY

REGION II  
HABITAT AND RESTORATION  
DIVISION

ANCHORAGE AK 99513

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

226-20-16080      =K-05, 0-01  
**STREAM HABITAT ASSESSMENT 1993 - SEGMENTS**

Kathia,  
 were all of the below  
 listed salmon observed  
 on 8-27?  
 only pinks 8

STREAM: ~~JACK-05~~      SEGMENT: ~~0-01~~ <sup>5-01</sup>      DATE: 08/05/93      TEAM: G,S  
 ANADROMOUS: y n      WIDTH (m): 2.5-2      LENGTH (m): 10      GPS DATE: -/-/      DIGITIZE: y n  
 WATERBODY: mainstem tributary lake/pond wetland Intertidal other: \_\_\_\_\_

8/27 →  
 JB  
 KS

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
PINK	A	6	✓	AT MOUTH.			
PINK	A	5	✓	WITZ DEAD			
CLUM	A	7	✓	dead in WITZ			
CLUM	A	40	✓	HOLDING AT MOUTH			
PINK	A	1	✓	Dead - at extent			

GRADIENT(%): 2      CHANNEL PROFILE:  A  B  C  D  E  F  
 CHANNEL PATTERNS: single multi braided  
 STREAM SUBSTRATE: BEDROCK \_\_\_\_\_ BOULDER \_\_\_\_\_ RUBBLE ✓3 COBBLE ✓2  
 (rank three most predominant types) GRAVEL ✓1 SAND \_\_\_\_\_ MUD/SILT \_\_\_\_\_ ORGANICS \_\_\_\_\_ OTHER: \_\_\_\_\_  
 STREAM COVER TYPE: ORGANIC DEBRIS \_\_\_\_\_ DEAD BRANCHES/TWIGS \_\_\_\_\_ 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: HEMLOCK      SPRUCE  
 UNDERSTORY: MOSS      CURRENTS      DEVILS CLUB  
 CANOPY ABOVE STREAM: none low medium high  
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? yn      BARRIER TO SPECIES: PINK adults juveniles  
 TYPE: fall slide beaverdam logjam spring substrate      HEIGHT (m): 1.5      DIST. FROM UPPER EXTENT (m): 10

PHOTO ROLL(s): TS-02 JB-04      VIDEO TAPE(s): \_\_\_\_\_

FRAME	DESCRIPTION	DATE	DESCRIPTION
19	Pink & Clums		
20	"		

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

# STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Jack 05 QUAD: Seward B-4 STAGE: H M (L)  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): 8/5/93 UTM ZONE: \_\_\_\_\_  
 GPS FILES: B0808214 D

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

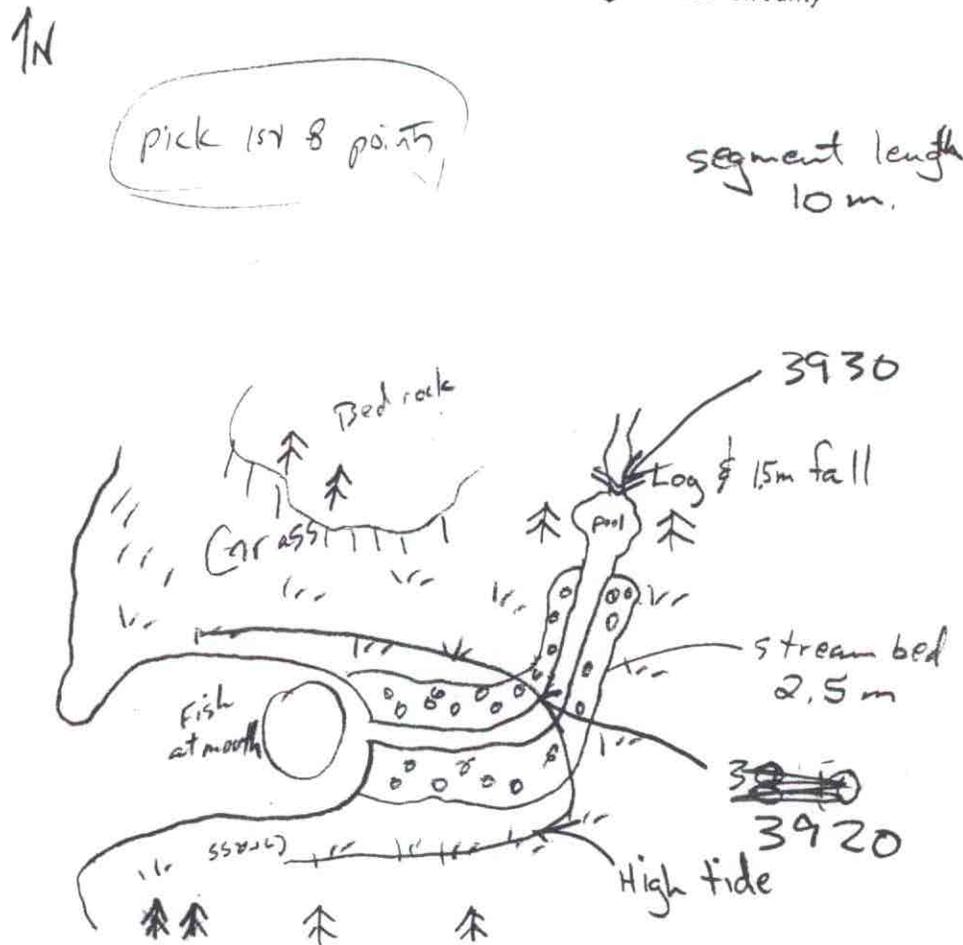


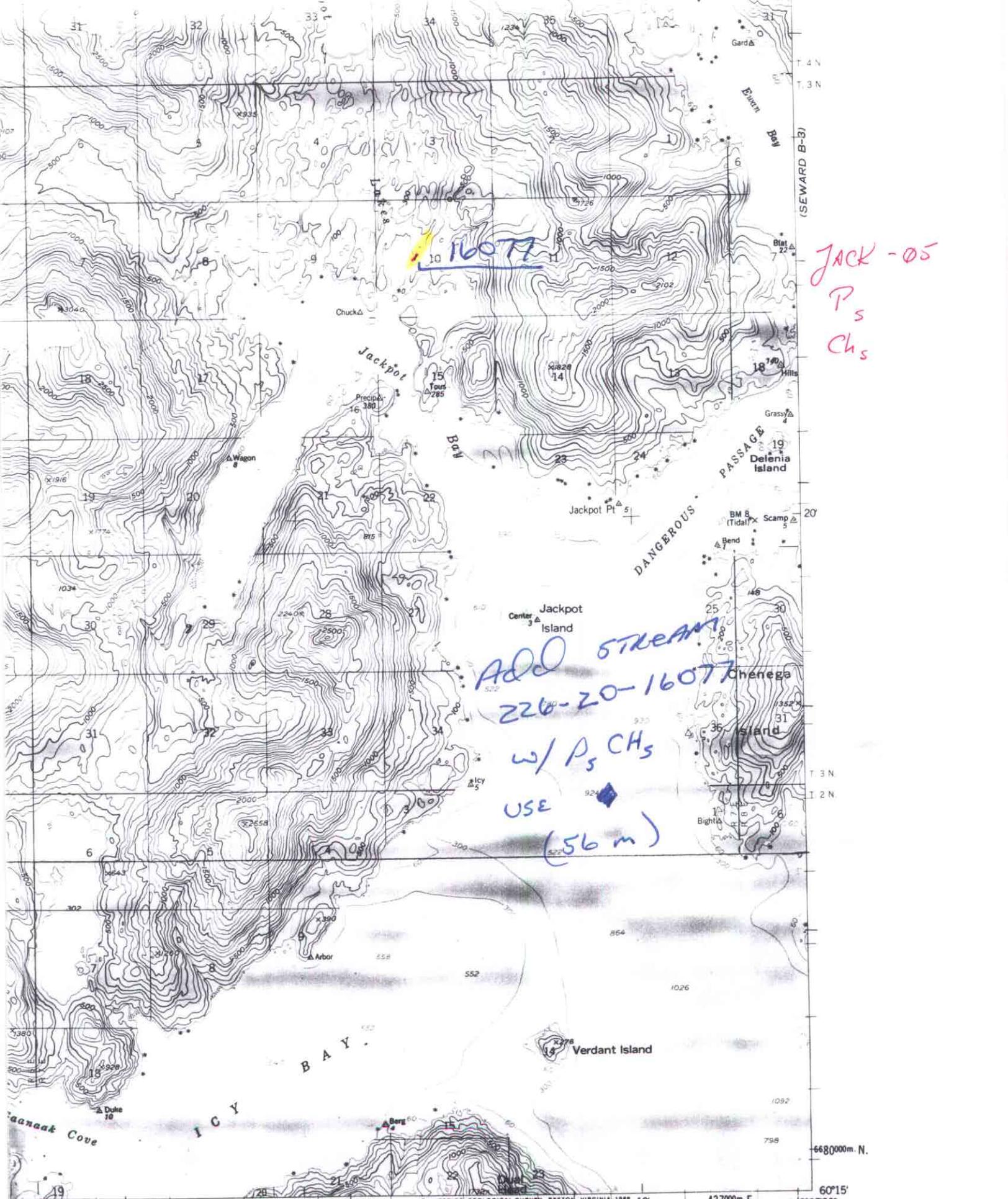
PHOTO ROLL(s): KS

VIDEO TAPE(s): \_\_\_\_\_

FRAME	DESCRIPTION
5	Top of segment
7	Top looking down
8	Dead Chum intertidal
9	Dead Chum, 1st
10	Chum holding at mouth

DATE

(Please enter comments on the other side)



1607

JACK-05  
P5  
CH5

ADD STREAM  
226-20-1607  
w/ P5 CH5  
USE  
(56 m)

DANGEROUS

# 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