

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

Anadromous Water Catalog Number of Waterway 226-20-16152

Name of Waterway _____ USGS name _____ Local name _____

Addition X Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 132</u>	<u>[Signature]</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 <u>X</u>	<u>Z. 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
<u>Pink Salmon - Adult</u>	<u>8-28-93</u>	<u>53</u>			<u>✓</u>

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: A foot survey was conducted from the stream mouth to the barrier. Fifty three adult Pink Salmon were identified and enumerated. The fish were located in the stream mouth. The barrier is a 2 meter high log jam/falls. The stream width is 2 meters at the mouth, 2 meters at the upper extent. Gradient is 2 percent.

Name of Observer (please print) KATHARIN SUNDEI
 Date: 10/8/93 Signature: Katharin Sundel
 Address: 333 RASPBERRY
ANCHORAGE AK 99518

ALASKA DEPT. OF FISH & GAME

NOV 02 1993

REGION II
 RESTORATION AND RESTORATION
 DIVISION

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: _____

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Jack ϕ 1 QUAD: SEWARD-B3 STAGE: H M $\text{\textcircled{D}}$
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/5 UTM ZONE: 6
 GPS FILES: B080821A

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

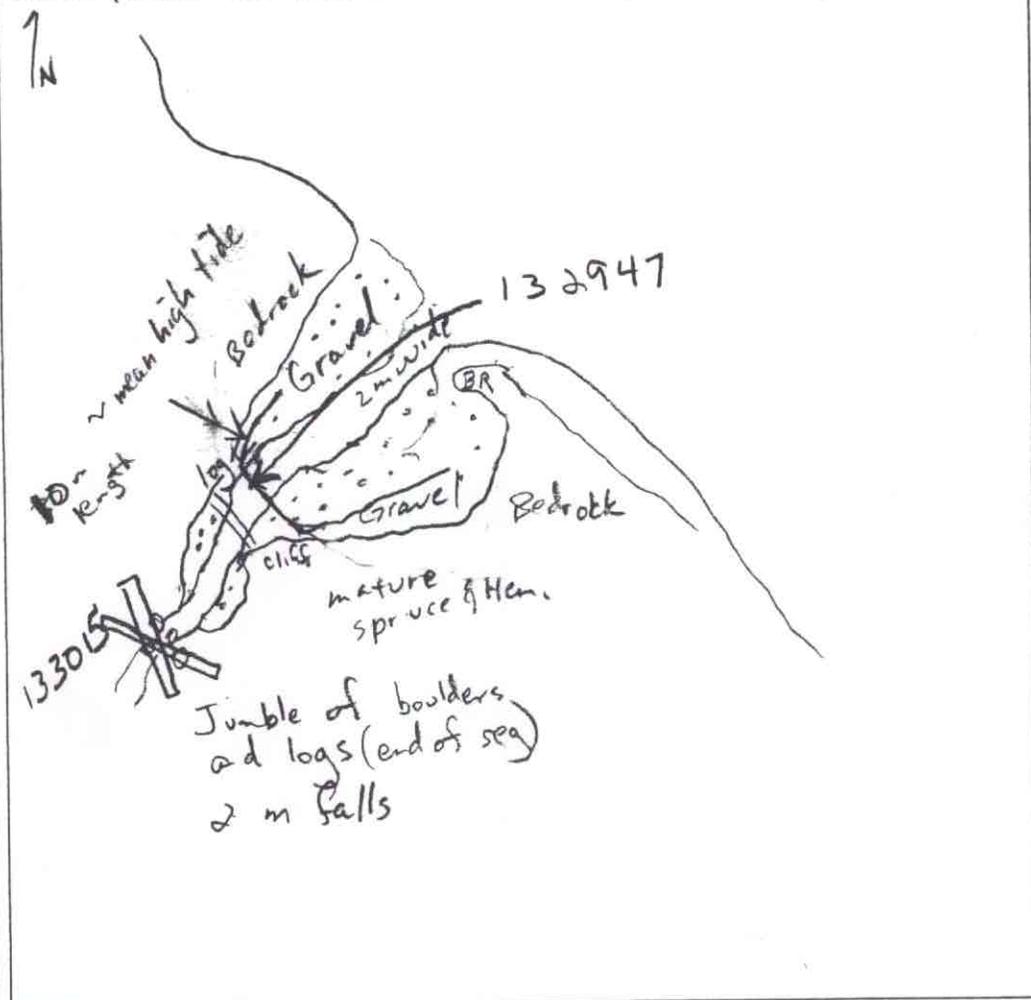


PHOTO ROLL(s): <u>KS ϕ2</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	
1	mid sea looking down		
2	" " " " up		

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: JACK-O SEGMENT: 0-01 DATE: 08/05/93 TEAM: BIS
 ANADROMOUS: y n WIDTH (m): 2.0-2.0 LENGTH (m): 10 GPS DATE: -/-/ DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: _____

8-28

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
<u>PINK</u>	<u>A</u>	<u>30</u>	<u>✓</u>	<u>off mouth</u>			
<u>PINK</u>	<u>A</u>	<u>3</u>	<u>✓</u>	<u>dead, in mouth</u>			

GRADIENT(%): 2 CHANNEL PROFILE: V □ □ ∩ ∪ —
A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: BEDROCK ___ BOULDER 3 RUBBLE 2 COBBLE 1
(rank three most predominant types) GRAVEL ___ 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

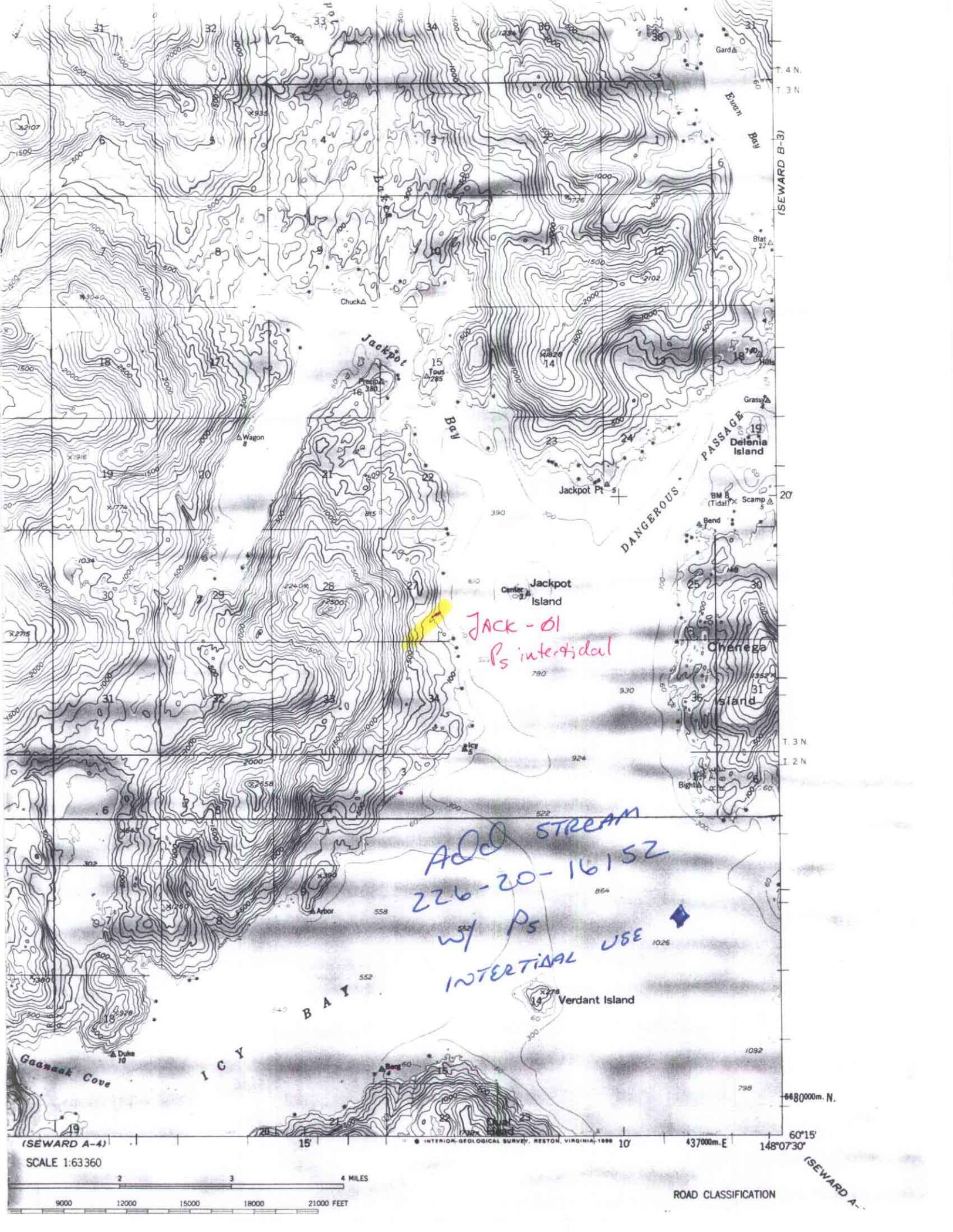
RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:
 OVERSTORY: SPRUCE HEMLOCK ___
 UNDERSTORY: DEW'S CLUB CURRANTS MOSS
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? y n BARRIER TO SPECIES: PINK adults juveniles
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 2 DIST. FROM UPPER EXTENT (m): 1/A

PHOTO ROLL(s): CS-02 VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>4</u>	<u>Towards mouth, intertidal</u>		
<u>22</u>	<u>7804</u>		
<u>25</u>	<u>WHITE</u>		
<u>26</u>	<u>upstream to extent</u>		

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

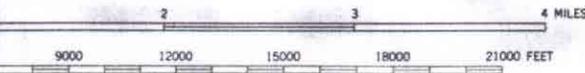


JACK-01
Ps intertidal

ADD STREAM
226-20-16152
w/ Ps
INTERTIDAL USE

(SEWARD A-4)

SCALE 1:63360



ROAD CLASSIFICATION

(SEWARD A-4)

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