

AWC Volume SE (SC) SW W AR IN USGS Quad Seward B-4
 Anadromous Water Catalog Number of Waterway 226-20-16080-2075-0010
 Name of Waterway _____ USGS name _____ Local name _____
 Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 136</u>	<u>[Signature]</u>	<u>11/4/94</u>
Revision Year: <u>-94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>ED Werns</u>	<u>12/28/93</u>
Revision Code: <u>Both X</u> <u>A-2</u>	<u>Z. Inone</u>	<u>2/8/94</u>
	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon - Adults	8-8-93	3			
Coho Salmon - Juvenile	8-8-93		38		
Sockeye Salmon - Adults	8-27-93	15			

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 system was surveyed on 8-8-93 and again on 8-27-93. Coho salmon were visually identified then captured by electro-fishing for positive ID. Adult salmon were visually identified and enumerated. Pink salmon was located from the mouth upstream 50 meters. Sockeye salmon were found in the lake. Coho salmon were found throughout the system up to the base of the one meter falls (Barriers). No fish were found above the falls. Stream width at the mouth and upper extent was 4 meters respectively. Gradient is 3 percent throughout system.

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print) JEFF BARNHART
 Date: 9-29-93 Signature: [Signature]
 Address: 323 Raspberry Road Anchorage, AK

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.

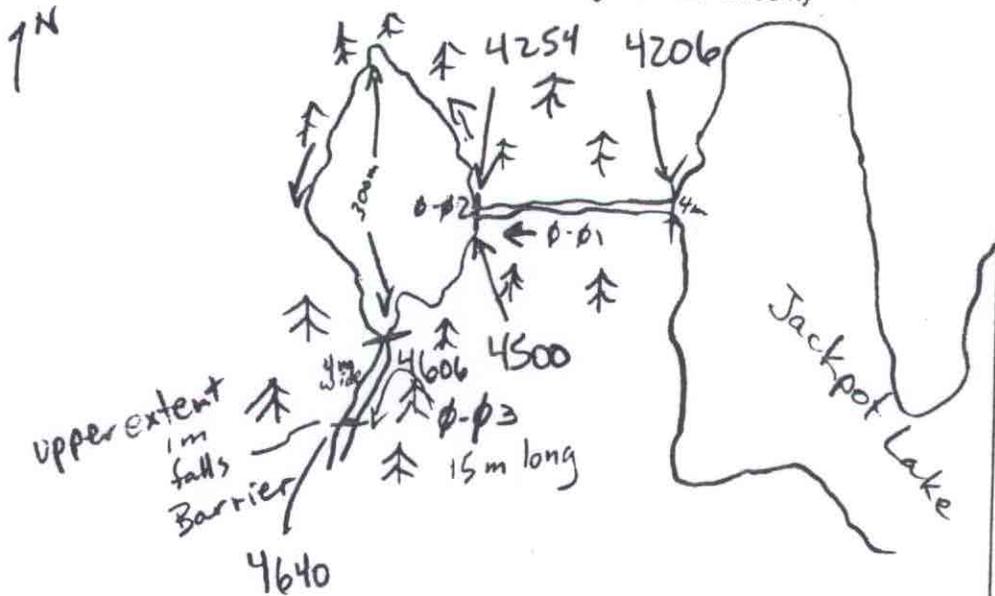
Signature of Area Biologist: _____

226-20-16080

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Jack ~~pt~~ #8 QUAD: Seward B-4 STAGE: H M (L)
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/8/93 UTM ZONE: _____
 GPS FILES: BO80821E

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



Lake - GPS . complete A.R.C.

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

(Please enter comments on the other side)

226-27-16080

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Jackpot SEGMENT: 8-01 DATE: 8/8/93 TEAM: JB/DG
 ANADROMOUS: Yn WIDTH (m): 4-4 LENGTH (m): _____ 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>pink salmon</u>	<u>A</u>	<u>3</u>	<u>V</u>	<u>Instream near mouth</u>	<u>Bear</u>		<u>Tracks/scar</u>
<u>Coho</u>	<u>J</u>	<u>-1</u>	<u>E</u>	<u>At lake</u>			
<u>Coho</u>	<u>J</u>	<u>12</u>	<u>V</u>	<u>Outlet</u>			
<u>Salmon</u>	<u>A</u>	<u>15</u>	<u>V</u>	<u>in lake</u>			

GRADIENT(%): 3 CHANNEL PROFILE: V U U (D) V —
 A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: BEDROCK _____ BOULDER 2 RUBBLE 1 COBBLE 3
 (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: Hemlock spruce
 UNDERSTORY: Blueberry grass spp Davids club

CANOPY ABOVE STREAM: none low medium high

GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? Yn BARRIER TO SPECIES: _____ adults juveniles

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

PHOTO ROLL(s): <u>JB 01</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>9</u>	<u>Top of Segment looking down stream</u>		
<u>14</u>	<u>KS-01 Sockeye in lake 8/27</u>		
<u>15</u>	<u>"</u>		

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

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Jackpot 08 SEGMENT: 8-02 DATE: 8/8/93 TEAM: Bershat/Gray
 ANADROMOUS: n WIDTH (m): 4 - 4 LENGTH (m): _____ 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>Coho</u> <u>Sockeye</u>	<u>J</u> <u>A</u>	<u>25</u> <u>15</u>	<input checked="" type="checkbox"/>	<u>in lake</u> <u>in lake</u>			

GRADIENT(%): 3 CHANNEL PROFILE:
 A B C D E F

CHANNEL PATTERN: single multi braided

Lake
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK ___ BOULDER RUBBLE ___ COBBLE ___
 GRAVEL ___ SAND ___ MUD/SILT ORGANICS ___ OTHER: logs

Lake
 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 Spiral
 UNDERSTORY: Devil club grasses

CANOPY ABOVE STREAM: none low medium highGROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL 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): <u>J801</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>10</u>	<u>Looking at outlet of lake,</u> <u>break between segment 01 and</u> <u>0-02</u>		
<u>14</u>	<u>K5 - P1</u> <u>Sockeye in lake</u>		
<u>15</u>	<u>o v s</u>		

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

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Jackpot 08 SEGMENT: 8-03 DATE: 8/8/93 TEAM: Gray/Burke
 ANADROMOUS: n WIDTH (m): 4 - 4 LENGTH (m): 15 GPS DATE: -/-/- DIGITIZE: 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>Coho</u>	<u>J</u>	<u>1</u>	<u>E</u>	<u>Age 1</u> <u>collected at</u> <u>base of small</u> <u>1 meter falls</u>			

GRADIENT(%): 3 CHANNEL PROFILE: A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER 1 RUBBLE 2 COBBLE 3
 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

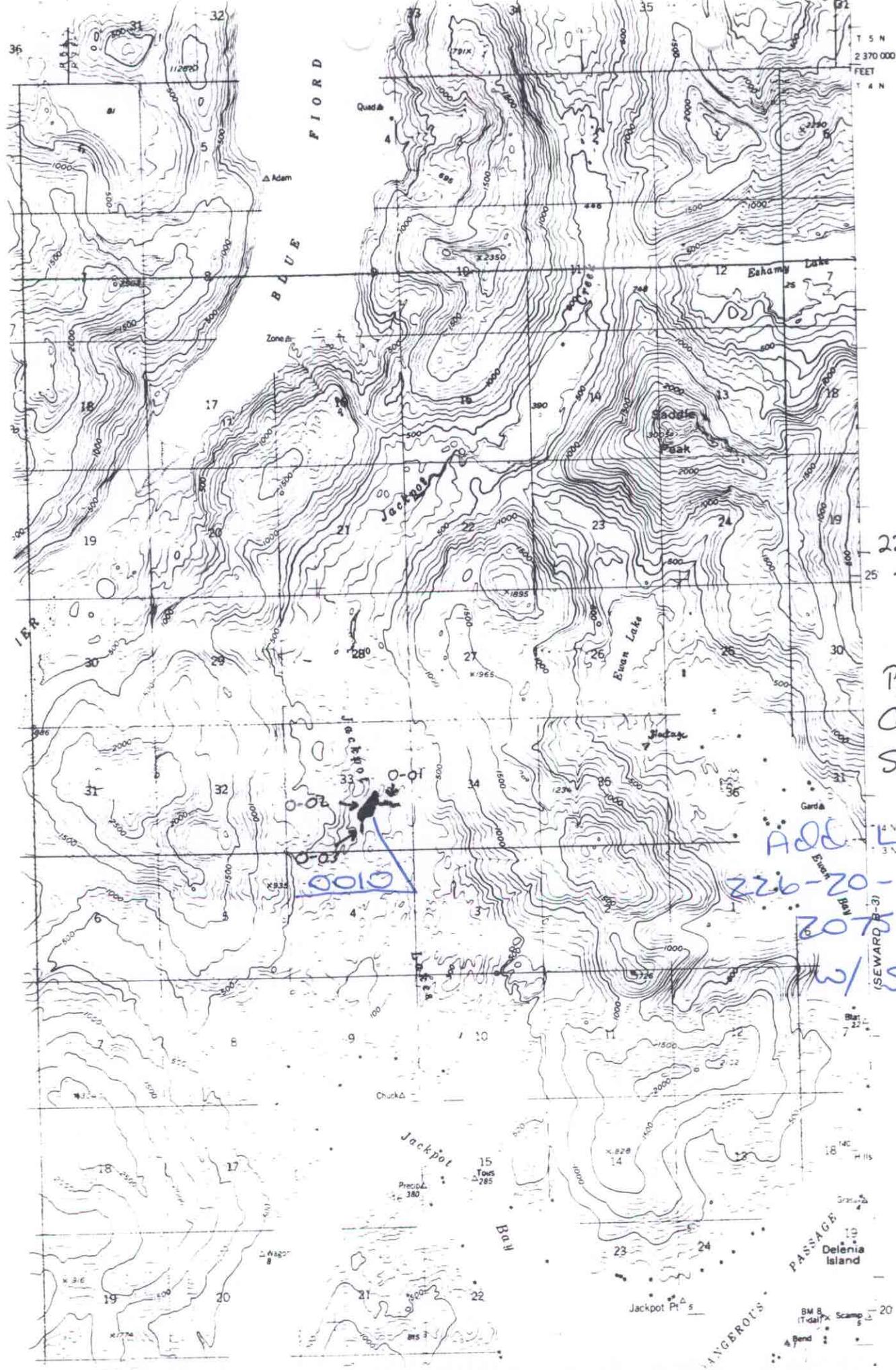
RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:
 OVERSTORY: Henlock SPRUCE
 UNDERSTORY: Blueberry grass Ferns
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? n BARRIER TO SPECIES: _____ adults juveniles
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 1 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): JB-01 VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>11</u>	<u>Down Segment 3 into seg 2 (Lake)</u>		

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



226-20-16080
trib. 8

P_s to 500 ft. max
C_{0R} to end
S_{0s} in lake

ADD LAKE

226-20-16080-

2075-0010

w/ S_s

(SEWARD 8-3)

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

SUBJECT: Anadromous Stream
Nominations
and Corrections
Project R-51

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

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