

AWC Volume SE SC SW W AR IN USGS Quad Cordova C-6

Anadromous Water Catalog Number of Waterway 221-20-10359

Name of Waterway 94 217 USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94-217</u>	<u>[Signature]</u>	<u>1/18/94</u>
Revision Year: <u>-94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Weins</u>	<u>1/6/94</u>
Both <u>X</u>	<u>Z. Irvine</u>	<u>2/9/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon adult	8/21/93	4,000			✓
Chum Salmon adult	8/21/93	400			✓
Sockeye Salmon adult	8/21/93	3			✓

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: The following species counts were made during a foot survey: 4,000 pink salmon adults, 400 chum salmon adults, and 3 sockeye salmon adults. The mainstem barrier is approximately 400 meters from the mouth and is a group of springs which form the headwaters. The upper extent is at the barrier, channel width at the mouth is 12 meters and at upper extent is 0.5 meters. Gradient is 10%.

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print) JEFF BARNHART
 Date: 10-6-93 Signature: [Signature]
 Address: 333 Raspberry Road
Anchorage AK

NOV 03 1993

REGION II
 REST 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: _____

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Sakha Lagoon $\phi 1$ QUAD: Cordova STAGE: H \odot L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/21/93 UTM ZONE: _____
 GPS FILES: B082122A & B082123A

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

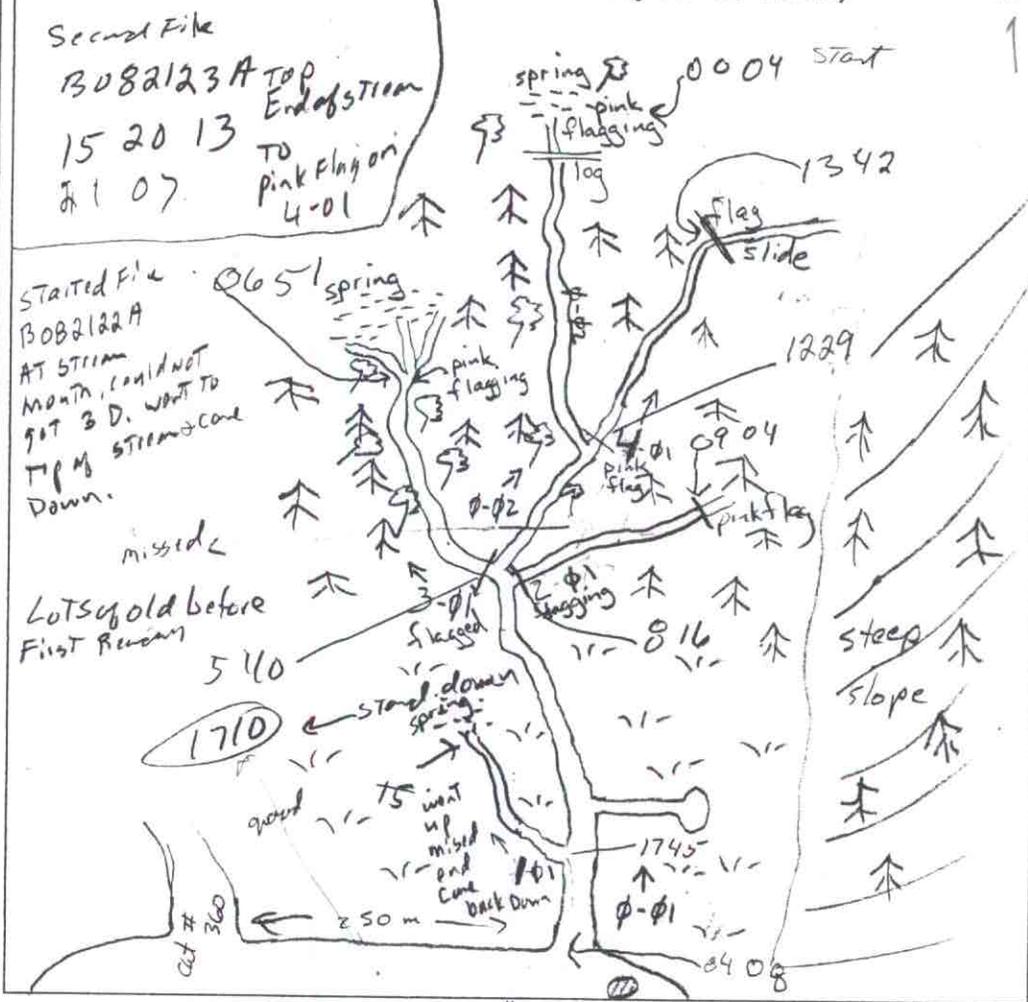


PHOTO ROLL(s): JB $\phi 3$

VIDEO TAPE(s): WG1

FRAME	DESCRIPTION	DATE	
6	from mouth upstream $\phi 1$	8/21	1- $\phi 1$ mid sea
7	from mouth upstream $\phi 1$	8/21	Intersection $\phi 2$ or $\phi 1$ & 1- $\phi 1$
8	Pinks at mouth $\phi 1$	8/21	Pinks & Chums, $\phi 1$
9	Chum near mouth $\phi 1$		
10	Chum near mouth $\phi 1$		

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Shalinol SEGMENT: 0-01 DATE: 8/21/93 TEAM: JB/DG
 ANADROMOUS: yn WIDTH (m): 12-16 LENGTH (m): _____ GPS DATE: 8/21 DIGITIZE: yn
 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>Pinks</u>	<u>A</u>	<u>4-500</u>	<u>✓</u>				
<u>Chums</u>	<u>A</u>	<u>400</u>	<u>✓</u>				

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

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

OVERSTORY: _____
 UNDERSTORY: Elderberry grass _____

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): _____		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)

STREAM HABITAT ASSESSMENT 1993 -- SEGMENTS

STREAM: Sablin 01 SEGMENT: B-02 DATE: 8/21/93 TEAM: JB/AG
 ANADROMOUS: WIDTH (m): 1-.5 LENGTH (m): 200 GPS DATE: 8/21 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>Pinks</u>	<u>A</u>	<u>300+</u>	<u>V</u>	<u>To base of blockage</u>	<u>Boqr</u>		<u>Trails, SCAT, Tracks</u>
<u>Roads</u>	<u>A</u>	<u>3</u>	<u>V</u>				
<u>Chems</u>	<u>A</u>	<u>6</u>	<u>V</u>				

GRADIENT(%): 1 CHANNEL PROFILE: V (B) U U U U U U
A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE _____ COBBLE _____
 GRAVEL 1 SAND 2 MUD/SILT _____ ORGANICS 3 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 (scattered) spruce
 UNDERSTORY: Alder Devils club Salmon berry

CANOPY ABOVE STREAM: none low medium high

GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? BARRIER TO SPECIES: pinks, chms, Rd, adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): _____ DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s):		VIDEO TAPE(s):	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>123</u>	<u>Looking down stream mid segment. Dan Bray in background.</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

SHEEP RIVER

erroneous. does not exist.

SAHLIN-01 MS

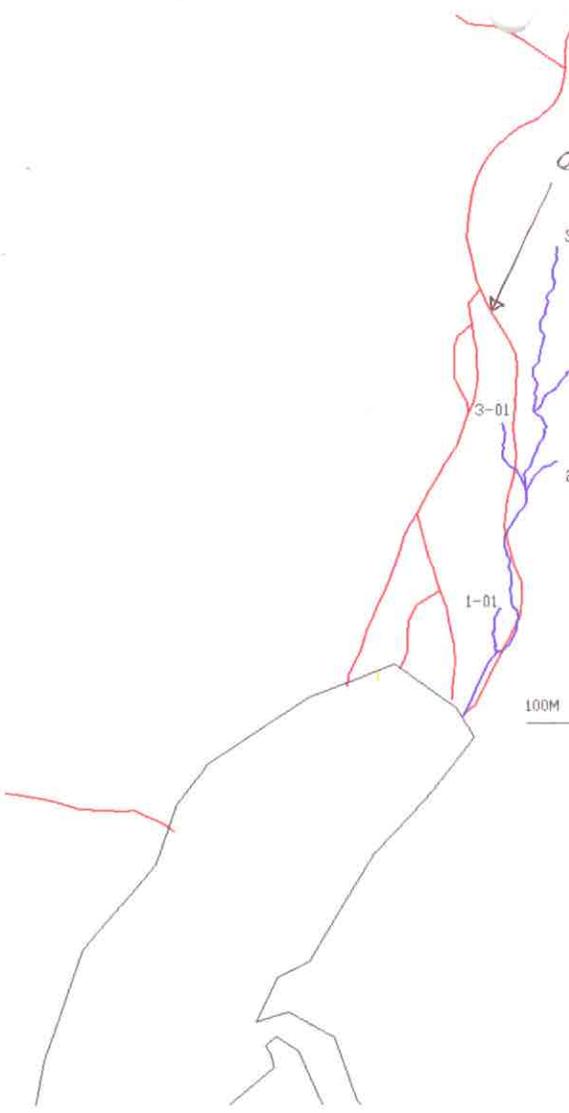
4-01

3-01

2-01

1-01

100M



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 3, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

FROM: Kathrin Sundet
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 53 streams surveyed in the fall of 1993 on private lands held by the Tatitlek and Eyak Native Corporations in northeast 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.

There substantial discrepancies among shorelines on the USGS quad sheets, the DNR shoreline, and observed shorelines in this area. In some cases I have attached enlarged plots generated from GPS data and the DNR shoreline to the nomination form in order to illustrate the differences.

Attachments

cc w/o Attachments: Lance Trasky
Don McKay
Mark Kuwada