

State of Alaska
 Department of Fish and Game
 Nomination for Waters
 Important to Anadromous Fish

Comfort 02

segment 0-01

AWC Volume SE SC SW W AR IN USGS Quad Cardova Ck

Anadromous Water Catalog Number of Waterway 221-30-10461

Name of Waterway _____ USGS name _____ Local name _____

Addition X Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 187</u>	<u>[Signature]</u>	<u>1/18/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Weir</u>	<u>1/7/94</u>
Both <u>X</u>	<u>J. Irvine</u>	<u>2/9/94</u>
Revision Code: <u>A-20</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon</u>	<u>8-17-93</u>	<u>400</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 at the upper extent. Salmon were visually identified and enumerated. The barrier at the upper extent of observed salmon is a fall 1 meter in height. The stream width at the mouth is 2 meters, upper extent one meter. Gradient is three percent.

ALASKA DEPT. OF
FISH & GAME

NOV 03 1993

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

REGION II
WATERS 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: _____

Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: cont 02 SEGMENT: 0-01 DATE: 8/17/93 TEAM: KS/JB
 ANADROMOUS: 0 n WIDTH (m): 2-1 LENGTH (m): _____ GPS DATE: 8/17/ 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>400</u>	<u>V</u>	<u>mouth to upper extent</u>	<u>Beaver</u>		<u>Trail</u>

GRADIENT(%): 3 CHANNEL PROFILE: V (B) 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 3 COBBLE 2
 GRAVEL 1 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____
 STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS LOGS BOULDERS _____
 CUT BANK 1 OVERHANGING VEGET. 1 OTHER: _____
 STREAM COVER ABUNDANCE: none low medium high

RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:
 OVERSTORY: spice hemlock
 UNDERSTORY: blueberry salmonberry stink cabbage
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

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

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 - STREAMS

STREAM: COMFORT - 02 QUAD: CORD - C6 STAGE: H M L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/17/93 UTM ZONE: 6
 GPS FILES: B081800B

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

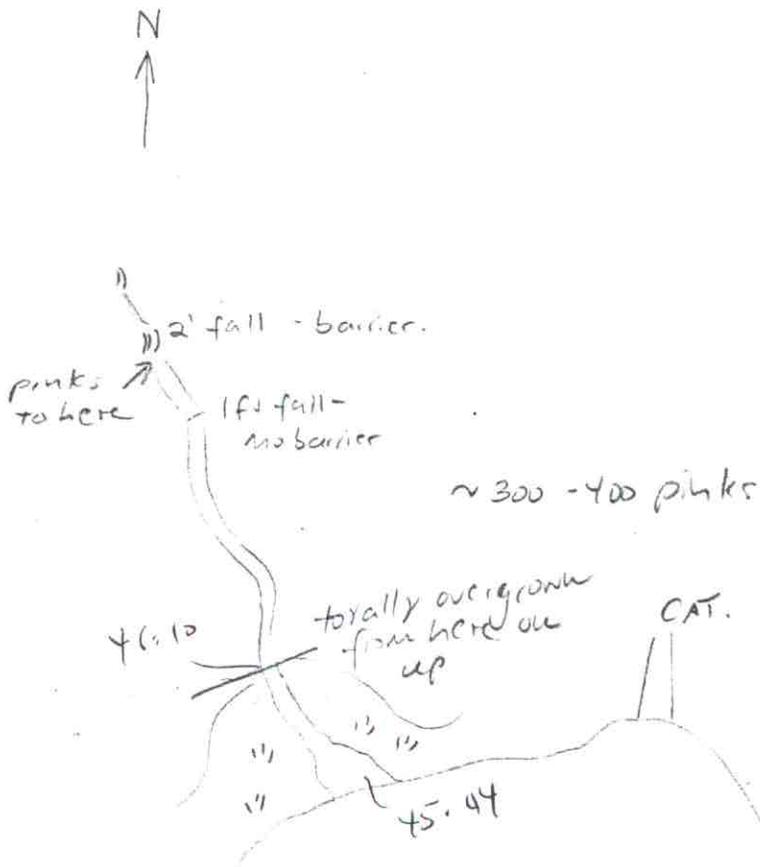


PHOTO ROLL(s): JB-02

VIDEO TAPE(s): _____

FRAME

DESCRIPTION

DATE

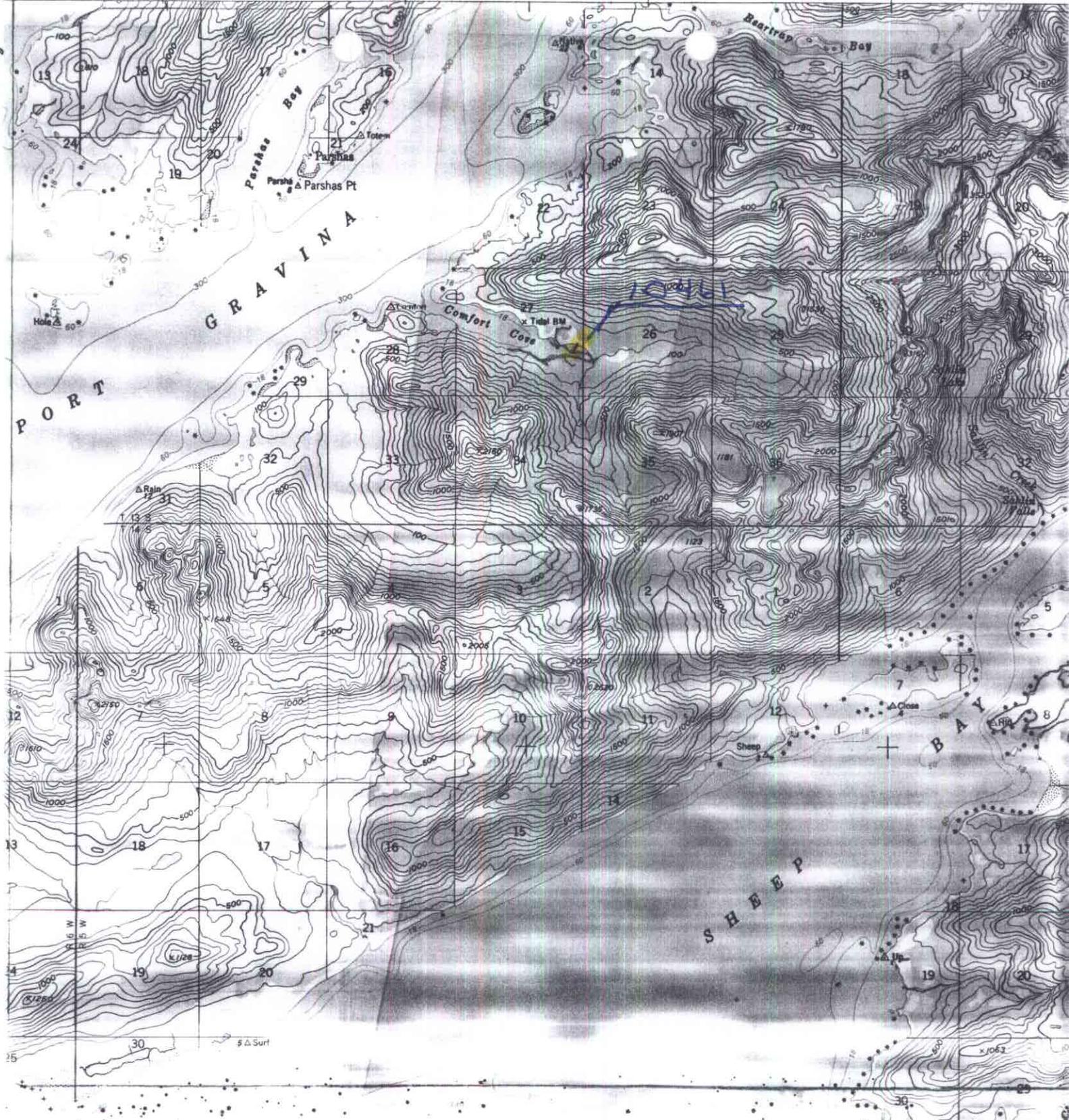
18

mouth

19

mid-segment

(Please enter comments on the other side)



Comfort 02, PS
 (note new shoreline)

ADD STREAM 221-30-10461
 w/ PS

USE ◆ (135m) SHORT STREAM.

31
 Sheep Pt
 Hanks I

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

SUBJECT: Anadromous Stream
Nominations
and Corrections
Project R-51

FROM: Kathrin Sundet
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 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