

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

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

Anadromous Water Catalog Number of Waterway _____

Name of Waterway _____ USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 271</u>	_____	_____
Revision Year: _____	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	_____	_____
Both _____	_____	_____
Revision Code: <u>F-3</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon- Adult</u>	<u>9-9-93</u>	<u>6</u>			<input checked="" type="checkbox"/>

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: Intertidal spawning. Barrier To pink salmon migration is a ^{high} 2.5 meter waterfall located 25 meter upstream of pink salmon distribution. Channel is 30 meters wide in the lower intertidal and 3 meters at the upper extent. Gradient is 2 percent. Substrate is predominantly gravel.

STATE OF ALASKA
 DEPARTMENT OF
 FISH & GAME

Name of Observer (please print) JEFF BARNHART
 Date: 10-13-93 Signature: Jeff Barnhart
 Address: 333 Rayborg 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: _____ Rev. 7/93

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Rocky-13 SEGMENT: 0-01 DATE: 9/9/93 TEAM: JB/WG
 ANADROMOUS: n WIDTH (m): 30-3 LENGTH (m): _____ GPS DATE: 2/18 DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland interfluvial other: _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
<u>pike</u>	<u>A</u>	<u>5</u>	<u>V</u>	<u>Dead 572</u>	<u>Goose</u>	<u>1</u>	<u>scat/feathers</u>
<u>pike</u>	<u>A</u>	<u>1</u>	<u>V</u>	<u>Live 572</u>	<u>Black Bear</u>	<u>1</u>	<u>scat</u>

GRADIENT(%): 2 CHANNEL PROFILE: V U U U V U
A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: BEDROCK _____ BOULDER _____ RUBBLE _____ COBBLE 2
(rank three most predominant types) GRAVEL 1 SAND _____ MUD/SILT 3 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: Sitka spruce
 UNDERSTORY: grass
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? n BARRIER TO SPECIES: pike adults juveniles
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 15 DIST. FROM UPPER EXTENT (m): 20

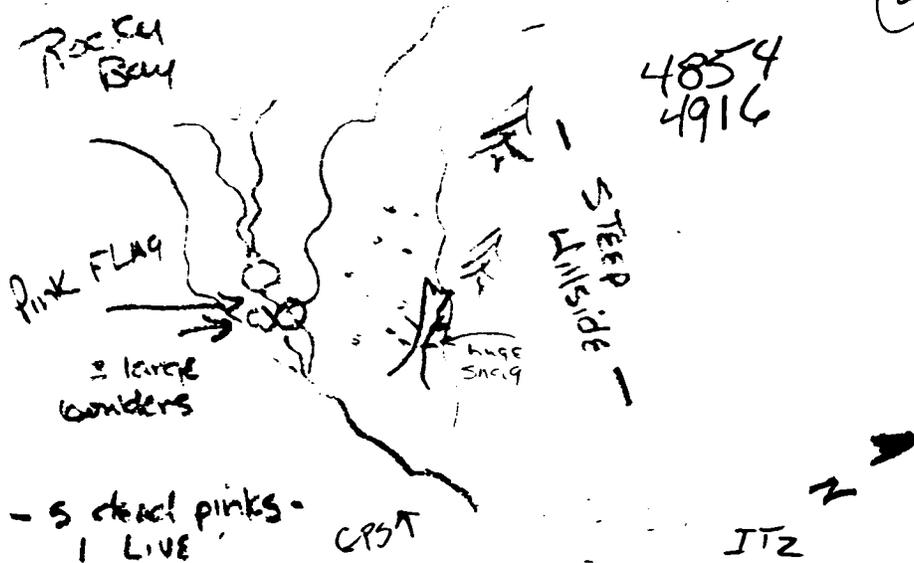
PHOTO ROLL(s): <u>3305</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>23</u>	<u>looking upstream at upper 572</u>		

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: Rocky — 13 QUAD: Sellwaia-84 STAGE: H M I
 LANDOWNER: Chenega CAC Eyak Totitlek Pt. Graham English Bay (circle one)
 DATE(s): 9/9/03 UTM ZONE: 5
 GPS FILES: B0922190

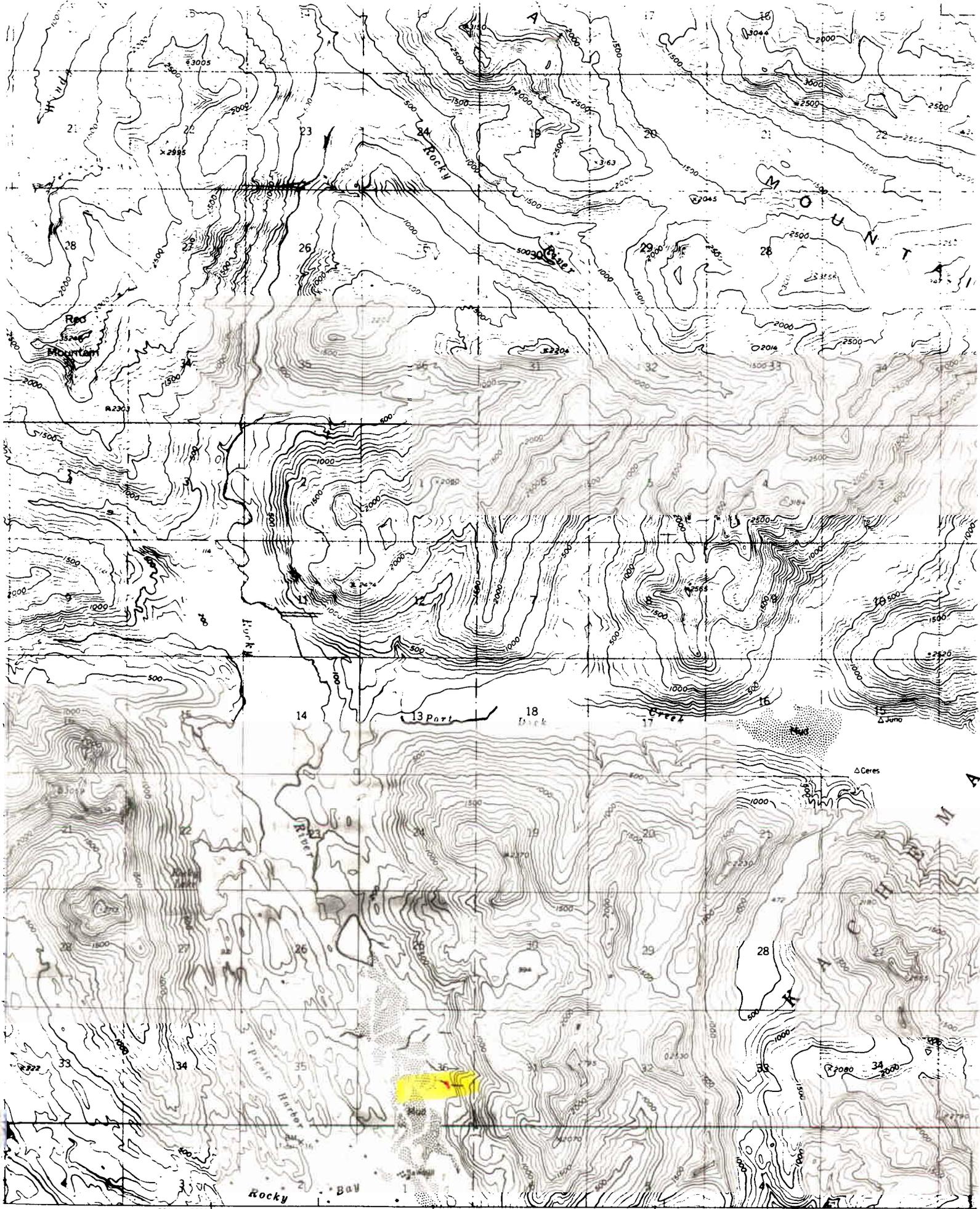
SKETCH (indicate UTM zones, if not uniform throughout the stream)



Impassable stream due to increase
 in gradient & small water falls.
 - Signs of intertidal spawning

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

(Please enter comments on the other side)



d. edited, and published by the Geological Survey
 by USC&GS and USCE
 Note: This program uses methods from the 1980s

Rocky 13

Ps intertidal

SCALE 1:63360



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 74 streams surveyed in the fall of 1993 on private lands held by the Port Graham, English Bay and Seldovia Native Corporations on the outer Kenai Peninsula.

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

ALASKA DEPT. OF
FISH & GAME

NOV 04 1993

REGION II
HABITAT AND RESTORATION
DIVISION