

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

242-31-10120 - Trib 12

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

Anadromous Water Catalog Number of Waterway 242-31-10120-2251

Name of Waterway \_\_\_\_\_ USGS name \_\_\_\_\_ Local name \_\_\_\_\_

Addition X Deletion \_\_\_\_\_ Correction \_\_\_\_\_ Backup Information \_\_\_\_\_

For Office Use

Nomination # <u>94 262</u>	<u>[Signature]</u>	<u>11/9/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Wein</u>	<u>12/27/93</u>
Both <u>X</u>	<u>2. Inoue</u>	<u>2/2/94</u>
Revision Code: <u>A-2d</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Sockeye salmon-Adults</u>	<u>9-9-93</u>	<u>3</u>			<u>✓</u>
<u>Dolly Varden-Adults</u>	<u>9-9-93</u>	<u>1</u>			<u>✓</u>
<u>Pink Salmon-Adults</u>	<u>9-9-93</u>	<u>1</u>			<u>✓</u>
<u>Coho Salmon-Juvenile</u>	<u>9-9-93</u>		<u>3</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: Dolly Varden, Coho, Pink and Sockeye Salmon were observed within the lower 30m of the stream, although no barrier is present and the first 100 yards of the stream are homogeneous. The stream consists of deep, inter-connected pools, ranging from 8m to 2m in width. The substrate consists of mud/silt and gravel, with a gradient of up to 1 percent. Cut banks, over-hanging vegetation + logs provide cover. Excellent rearing habitat.

Name of Observer (please print) KATHARIN SUNDET  
 Date: 10/22/93 Signature: [Signature]  
 Address: 333 Raspberry  
ANCHORAGE AK 99518

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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 - STREAMS

STREAM: <sup>242-31-10120</sup> ~~Rocky 12~~ QUAD: SELDAVIA-84 STAGE: H (M) 1  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): 9/9/93 UTM ZONE: 5  
 GPS FILES: 3091024A 3092218D

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

E

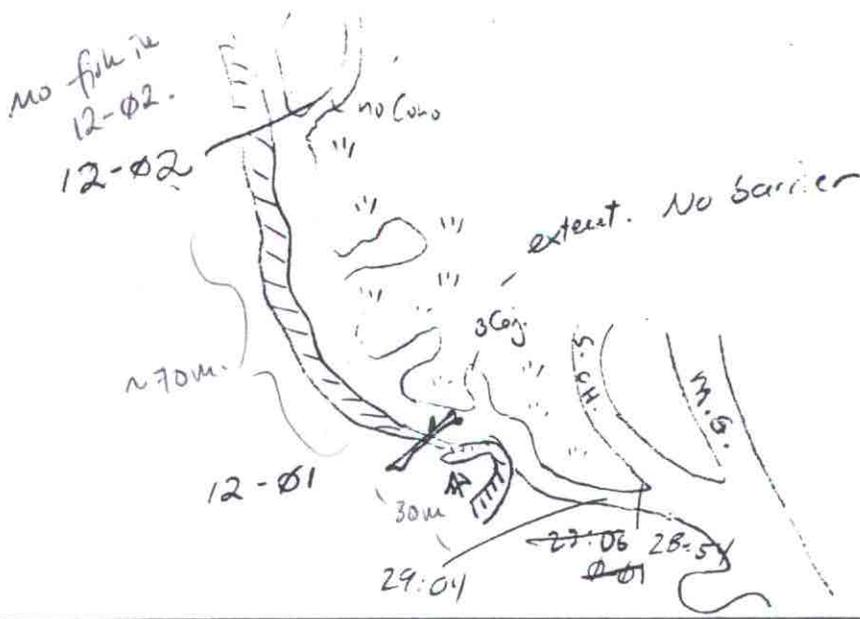


PHOTO ROLL(s):		VIDEO TAPE(s):	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)

242-31-10120

## STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Rocky 12 SEGMENT: 12-01 DATE: 9/9/93 TEAM: KS, DG  
 ANADROMOUS: y n WIDTH (m): 8-2 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
Red	A	3	V		COYOTE		TRACKS
DV	A	1	V	~ 25 cm	MOOSE		TRACKS
PINK	A	1	V				
CHD	J	3	E	2 1", 1 0"			

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

CHANNEL PATTERN:  single  multi  braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK \_\_\_ BOULDER \_\_\_ RUBBLE \_\_\_ COBBLE \_\_\_  
 GRAVEL 2 SAND \_\_\_ MUD/SILT 1 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 Cottonwood \_\_\_\_\_  
 UNDERSTORY: willow willow Salmonberry

CANOPY ABOVE STREAM: none  low medium high

GROWTH: mature  secondary shrubs meadow muskeg intertidal

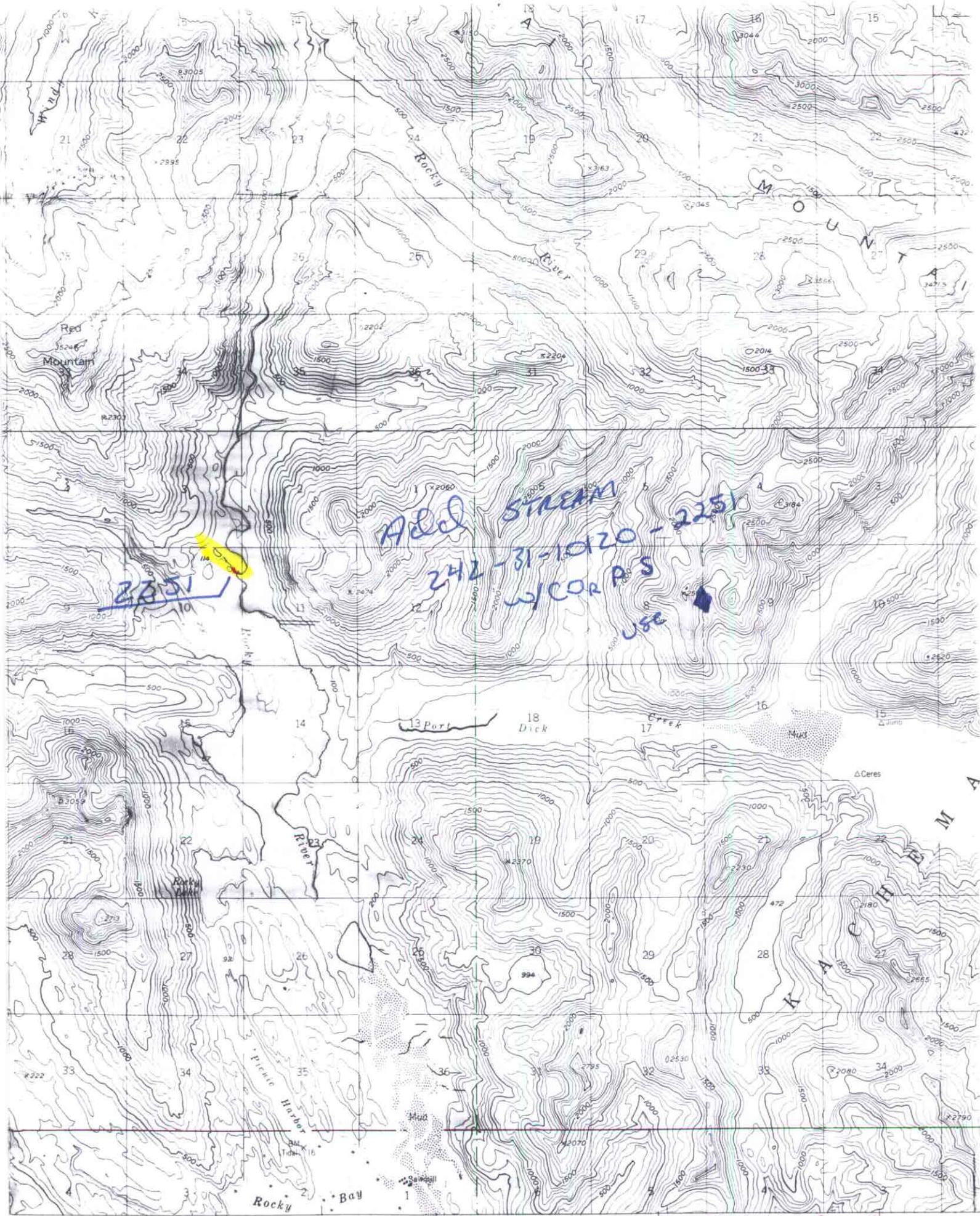
TOTAL BARRIER? y n  BARRIER TO SPECIES: \_\_\_\_\_ adults juveniles

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

PHOTO ROLL(s): <u>HORNER-01</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
3	downstream mid-segm.		

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

no barrier is present. The first segment consists of a large shallow pond with several bays. Adult Sootyeye + Coho were only found in the lower 30m of the segment although the entire pond was accessible. Segment 2 may constitute a barrier through slightly increased gradient + generally less desirable habitat.



1, edited, and published by the Geological Survey  
 by USC&GS and USCE  
 and by photogrammetric methods from aerial photographs

242-31-10120 12-01 (Tr:6 12)

(SELDOVIA A-4) SCALE 1:63360  
 S05 P5  
 DV5 COR



# 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 *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 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

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DIVISION