

AWC Volume SE SC SW W AR IN USGS Quad Seldovia A-5

Anadromous Water Catalog Number of Waterway 242-10-10221

Name of Waterway NONE USGS name \_\_\_\_\_ Local name \_\_\_\_\_

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

For Office Use

Nomination # <u>91 244</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>12/27/93</u>
Both <input checked="" type="checkbox"/>	<u>Z. Grove</u>	<u>2/1/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon - Adults</u>	<u>9-11-93</u>	<u>492</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: Pink salmon were observed and enumerated from the stream mouth to within 15- meters of the barrier. The barrier in this case is the substrate combined with low water flow. At a higher water stage pink salmon distribution could extend past the point where we found the last fish. Stream width ranges from 6 meters at the mouth to 1 meter at the upper extent. Gradient is 1 percent. Predominant stream substrate is gravel.

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print) JEFF BARNHART

Date: 10-14-93 Signature: Jeff Barnhart

Address: 333 Raspberry Road

Anchorage AK

NOV 03 1993

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 RESEARCH AND RESTORATION  
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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: \_\_\_\_\_

## STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Chatham 04 SEGMENT: 0-01 DATE: 9/11/93 TEAM: JB/UG  
 ANADROMOUS:  n WIDTH (m): 6-1 LENGTH (m): \_\_\_\_\_ GPS DATE: 09/22/ 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>rats</u>	<u>A</u>	<u>100</u>	<u>V</u>	<u>live in stream</u>	<u>Black bear</u>		<u>scat tracks</u>
<u>pike</u>	<u>A</u>	<u>392</u>	<u>V</u>	<u>Dead in stream</u>			

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  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: SITKA SALMIX  
 UNDERSTORY: S. mad berry Stachys Aster

CANOPY ABOVE STREAM: none low  medium  high

GROWTH: mature  secondary  shrubs  meadow  muskeg  intertidal

TOTAL BARRIER?  n BARRIER TO SPECIES: rats  adults  juveniles

TYPE: fall slide beaverdam logjam spring  substrate HEIGHT (m): \_\_\_\_\_ DIST. FROM UPPER EXTENT (m): 10

PHOTO ROLL(s): <u>JB05</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>29</u>	<u>Region of stream (stream mouth) looking upstream</u>		
<u>30</u>	<u>low rd. stream looking upstream</u>		

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

The pits accessed the upper portion of this seam at when the water was much higher than it currently is. There is a barrier <sup>(ca. 11)</sup> 40m downstream of the upper extent of the pits approx 0.5 meters in height which at the current flow is a total blockage to pits.

# STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: CHATHAM - 04      QUAD: SEIDOUA A-S STAGE: H M L  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): 9/11/93      WTM ZONE: 5  
 GPS FILES: B092020C - NO good      B092220D

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

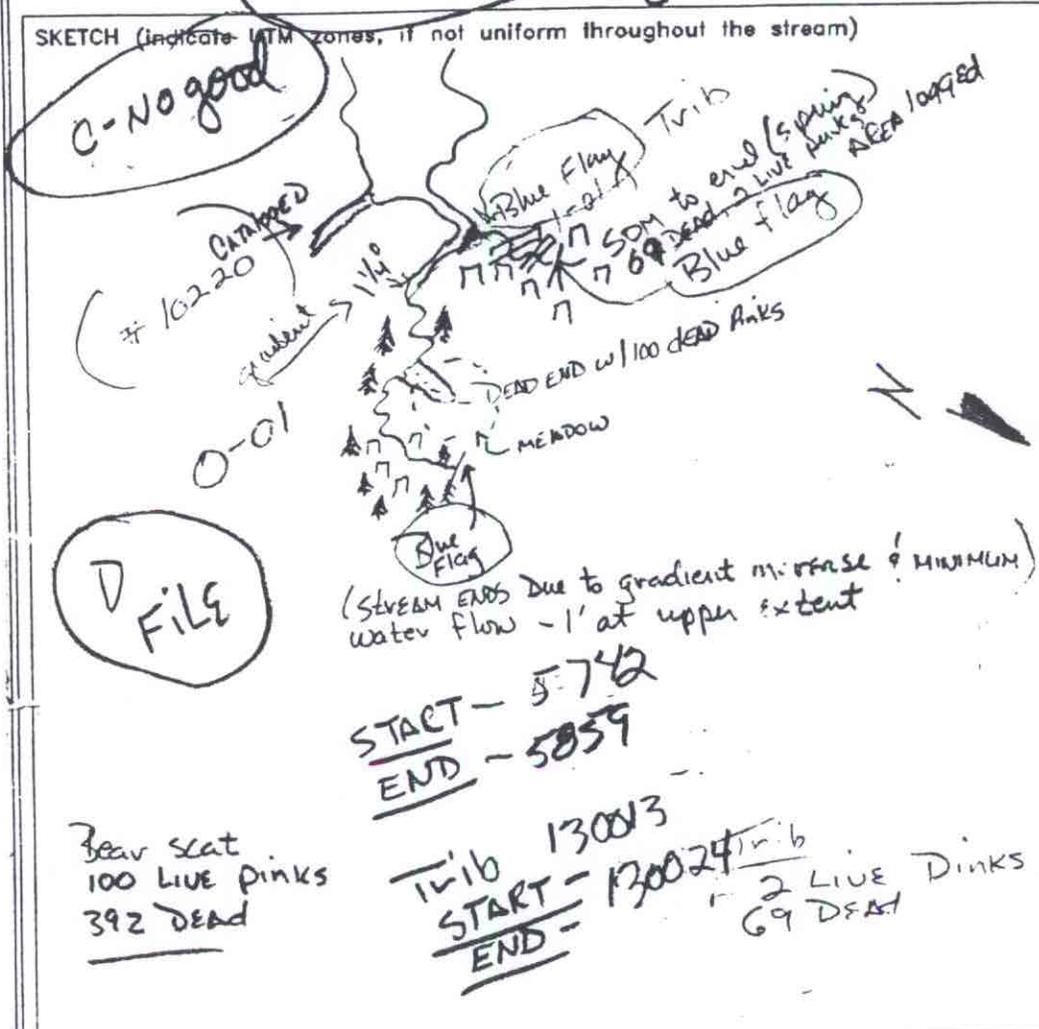


PHOTO ROLL(s):		VIDEO TAPE(s):	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)

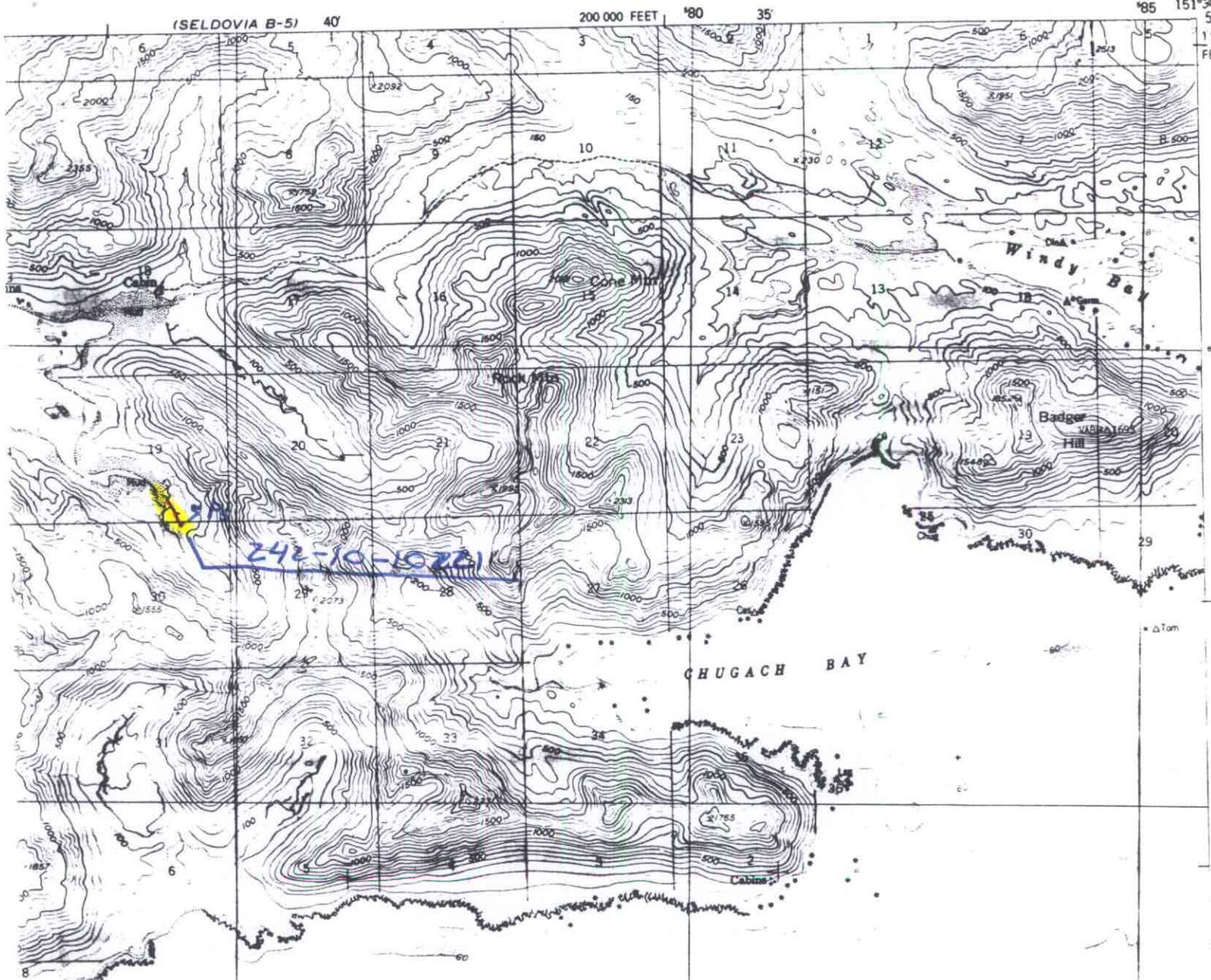
Stream # Chatham 4 Lies adjacent to  
Abraham's Stream # 10220. 392 dead & 100  
live pinks were observed. Stream winds thru  
large spruce & eventually ends in a previously  
logged AREA. Large amount of pinks dug up on shore  
presumably from beaver activity. Stream width at  
mouth is 6m and ends at 1' where the gradient  
increases. Excellent spawning gravel w/ cut banks  
& plenty of instream shade. Ten small fish  
were observed but too quick to net, Dolly?.

Blue flag marks upper extent.

SELDOVIA (A-5) QUADRANGLE

ALASKA

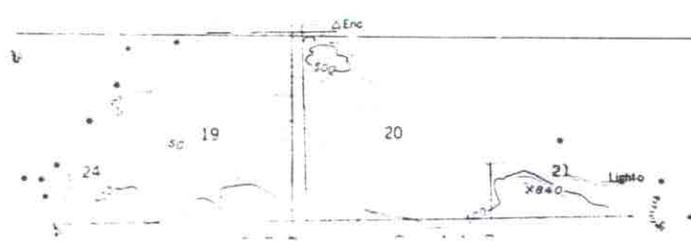
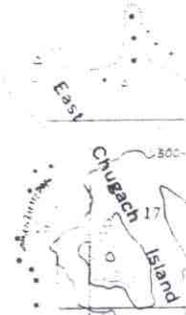
1:63 360 SERIES (TOPOGRAPHIC)



CHATAM-04 MAINSTEM P<sub>5</sub>

ADD STREAM 242-10-10221 w/ P<sub>5</sub>

PASSAGE



# 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

ALASKA DEPT. OF  
FISH & GAME

NOV 03 1993

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DIVISION