

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

Anadromous Water Catalog Number of Waterway 242-10-10249

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

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

For Office Use

Nomination # <u>91 246</u>	<u>[Signature]</u>	<u>1/19/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>[Signature]</u>	<u>1/11/94</u>
Both <input checked="" type="checkbox"/>		
Revision Code: <u>A-2d</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon - Adults</u>	<u>9-12-93</u>	<u>102</u>			<input checked="" type="checkbox"/>
<u>Chum Salmon - Adult</u>	<u>9-12-93</u>	<u>1</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: Observed and enumerated 85 pink salmon in the intertidal zone, 17 in the stream above the intertidal zone. Pink salmon distribution extended upstream to the .5 meter high logjam barrier. Stream width at both the mouth and upper extent is 1 meter. Gradient is 2 percent. The Chum salmon was observed in the intertidal portion of the stream. Predominant stream substrate is gravel.

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print) JEFF BARNHART  
 Date: 10-14-93 Signature: [Signature] NOV 03 1993  
 Address: 333 Raspberry Road  
Anchorage AK

REGION II  
 MENTAL 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 - SEGMENTS

CHATHAM-12

STREAM: Chatham-12 SEGMENT: 0-01 DATE: 9/12/93 TEAM: JB/WG  
 ANADROMOUS:  n WIDTH (m): 1 LENGTH (m): \_\_\_\_\_ GPS DATE: 9/12/93 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
pink	A	15	V	Dead in ITZ	Black bear		SCAT
pink	A	2	V	living stream			
pink	A	7	V	Dead in ITZ			
pink	A	14	V	Living ITZ			
chum	A	1	V	Living ITZ			

GRADIENT(%): 2 CHANNEL PROFILE:  A  B  C  D  E  F

CHANNEL PATTERN:  single  multi  braided

STREAM SUBSTRATE: BEDROCK \_\_\_ BOULDER \_\_\_ RUBBLE \_\_\_ COBBLE \_\_\_  
 (rank three most predominant types) GRAVEL 1 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: \_\_\_\_\_  
 UNDERSTORY: grass spruce \_\_\_\_\_

CANOPY ABOVE STREAM: none  low medium high

GROWTH: mature secondary shrubs  meadow muskeg intertidal

TOTAL BARRIER?  n BARRIER TO SPECIES: pink  adults  juveniles  
 TYPE: fall slide beaverdam  logjam  spring substrate HEIGHT (m): 2.5 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): <u>JB25</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
31	Beginning of stream looking up stream		
32	Photo taken from same spot as 31, looking down stream at WITZ.		

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

17  
85

GPS 13!

### STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: CHATHAM - 12 QUAD: SEC 22 N 1 E - 15 STAGE: H M L  
 LANDOWNER: Chenega CAC Eyak Totitlek Pt. Graham English Bay (circle one)  
 DATE(s): 9/12/93 UTM ZONE: 5  
 GPS FILES: 3092221B

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

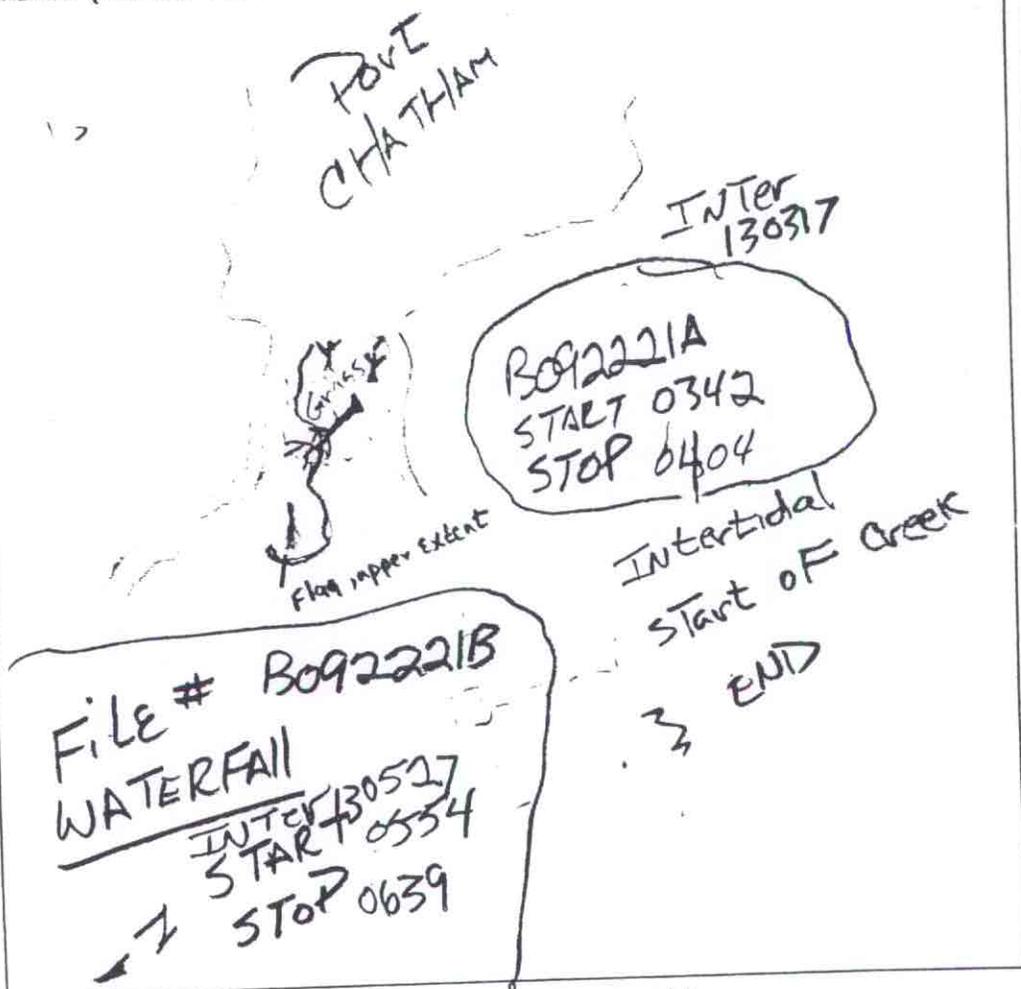
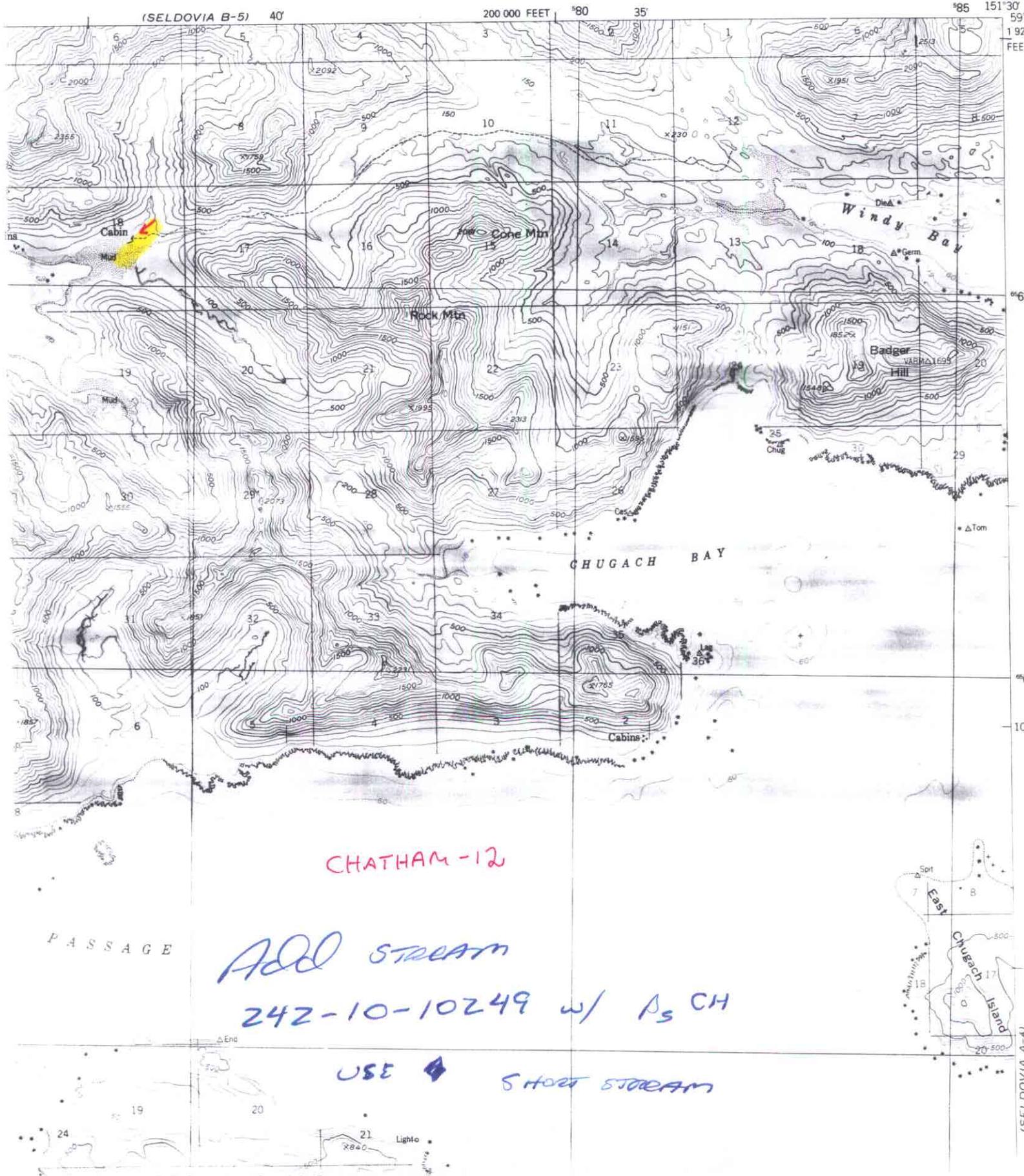


PHOTO ROLL(s):		VIDEO TAPE(s):	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)

SELDOVIA (A-5) QUADRANGLE  
ALASKA  
1:63 360 SERIES (TOPOGRAPHIC)



(SELDOVIA B-5) 40'

200 000 FEET '80 35'

'85 151°30'

59  
192  
FEE

18 Cabin

Cone Mt

Windy Bay

Rock Mt

Badger Hill

CHUGACH BAY

Cabine

CHATHAM-12

ADD STREAM

242-10-10249 w/ P<sub>s</sub> CH

USE 

SHORT STREAM

P A S S A G E



(SELDOVIA A-5)

# 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 <sup>KS</sup>  
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