

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

Anadromous Water Catalog Number of Waterway 242-20-10170

Name of Waterway _____ USGS name _____ Local name _____

Addition + Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 248</u>	<u>[Signature]</u>	<u>11/9/94</u>
Revision Year: <u>'94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>[Signature]</u>	<u>12/22/93</u>
Both <u>X</u>	<u>[Signature]</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>12</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: Twelve Pink salmon were observed in this pond. The inlet stream up to the one meter waterfall barrier contained 3 pink salmon, all dead, presumably preyed upon by black bears. The predominant stream substrate is gravel. Gradient averages 1 percent. The lagoon/pond measures approximately 20 by 30 meters and offers good spawning habitat near the inlet of the stream, where gravel predominates.

Name of Observer (please print) KATHARIN SUNDET
 Date: 10/22/93 Signature: Katharin Sundet
 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 - SEGMENTS

STREAM: Chugach #1 SEGMENT: 0-01 DATE: 9/11/93 TEAM: KS, DG
 ANADROMOUS: n WIDTH (m): 20 - 30 LENGTH (m): _____ GPS DATE: ___/___/___ DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pbnd wetland Intertidal other: _____

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
Pink	A	12	V		Otter		Tracks
					Beaver Black Kingfisher	1	Trash (tooth marks)

GRADIENT(%): 0 CHANNEL PROFILE: V D U D V F
A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: (rank three most predominant types) BEDROCK ___ BOULDER ___ RUBBLE ___ COBBLE ___
 GRAVEL 3 SAND ___ MUD/SILT 1 ORGANICS 2 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
 UNDERSTORY: Grass Alder

CANOPY ABOVE STREAM: none low medium high

GROWTH: mature secondary shrubs meadow muskeg Intertidal

TOTAL BARRIER? y BARRIER TO SPECIES: NA adults juveniles

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

PHOTO ROLL(s): <u>Hander 1</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
9	Pond		
10	Outlet Stream to Bay		

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: CHUGACH - ϕ 1 QUAD: Sella 15 STAGE: H (M) L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 09/14/93 UTM ZONE: 5
 GPS FILES: 3091317E / B092220A

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

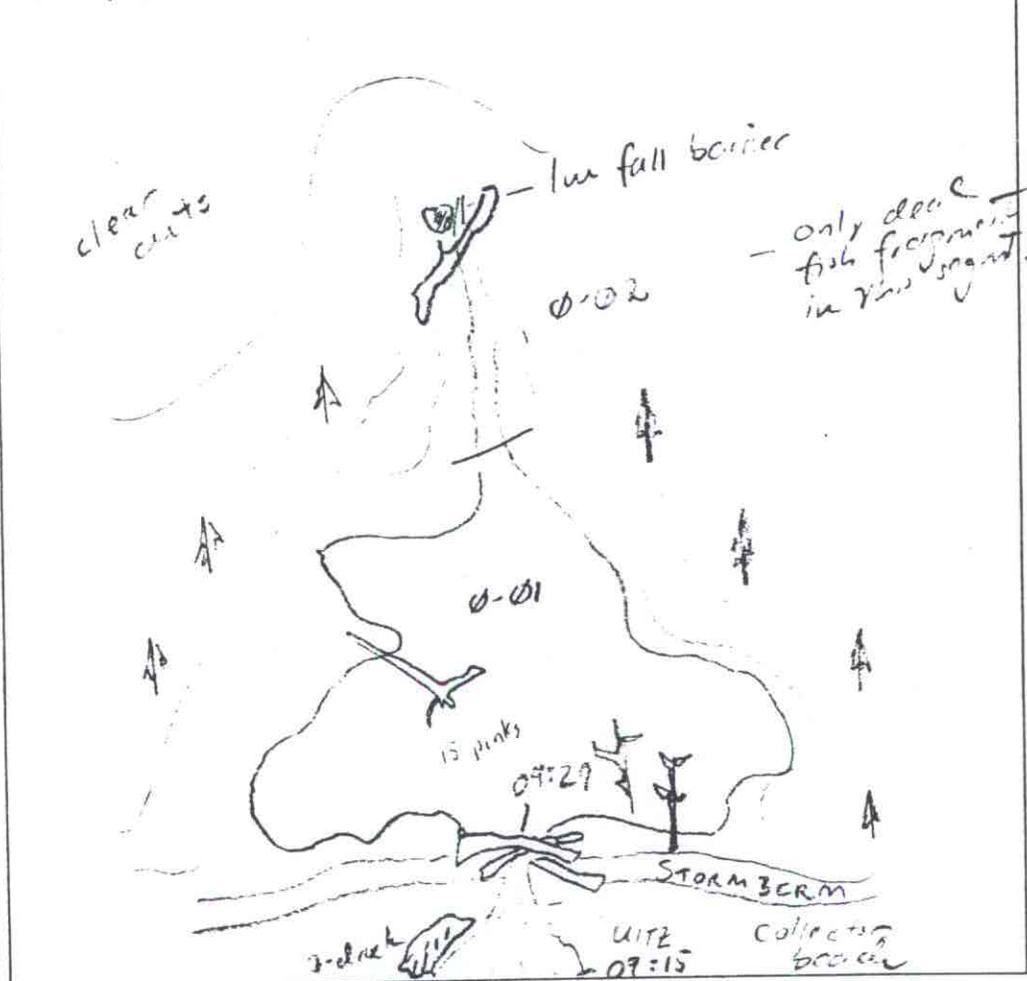
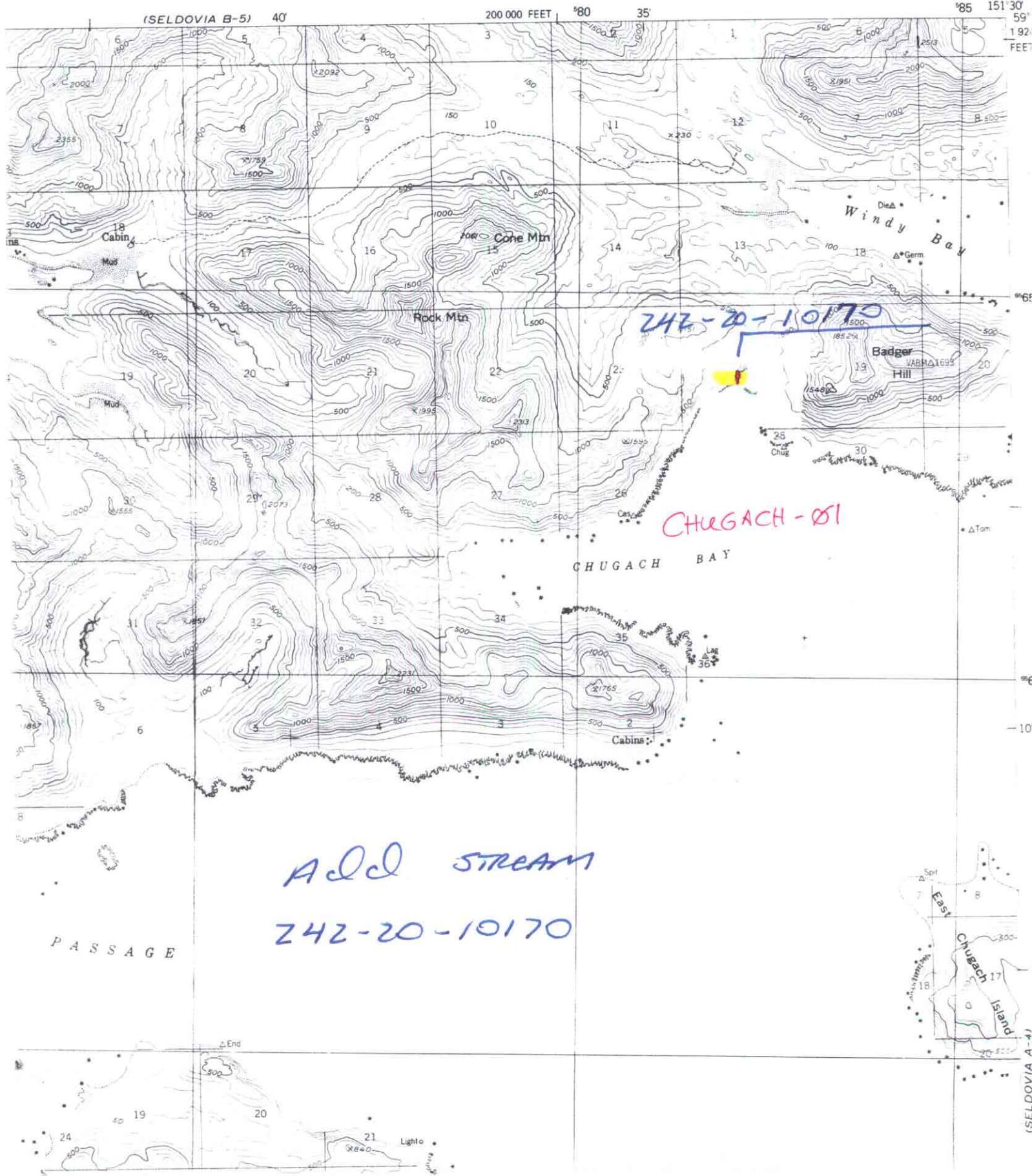


PHOTO ROLL(s): _____		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)

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



242-20-10170

CHUGACH-01

A&D STREAM
242-20-10170

PASSAGE

(SELDOVIA A-5)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Chugach 1 SEGMENT: Φ-Φ2 DATE: 9/11/93 TEAM: KS-DG
 ANADROMOUS: y WIDTH (m): 1.5-1.0 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
<u>Pinks</u>	<u>A</u>	<u>3</u>	<u>✓</u>	<u>all predated</u>	<u>Bald Eagle</u> <u>Bear</u>	<u>1</u>	<u>Trail = stream</u>

GRADIENT(%): 2 CHANNEL PROFILE: 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 + SAND 3 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: Spruce
 UNDERSTORY: Deer's Club Alder Moss
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? 0 BARRIER TO SPECIES: Pink / fall adults juveniles
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 1 DIST. FROM UPPER EXTENT (m): ?
length of segment

PHOTO ROLL(s): Home 1 VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>14</u>	<u>top of seg → downstream</u>		

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

only fragments of dead fish totaling
one fish were found in this
segment.

0-02
I cannot justify
a nomination for
this stream. segment.
See comments on
next page.

K.

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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NOV 03 1993

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