

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

Anadromous Water Catalog Number of Waterway \_\_\_\_\_

Name of Waterway 242-20-10550 USGS name \_\_\_\_\_ Local name \_\_\_\_\_

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

For Office Use

Nomination # <u>94 283</u>	Regional Supervisor	Date
Revision Year: <u>94</u>	<u>Ed Wein</u>	<u>1/7/94</u>
Revision to: Atlas _____ Catalog _____	Drafted	Date
Both <input checked="" type="checkbox"/>		
Revision Code: <u>AZ F-1</u>		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Coho salmon - juvenile</u>	<u>9-20-93</u>		<u>3</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: no barrier was observed. Coho distribution extended from the mouth to the location marked on the sketch. Stream width ranges from 3 meters at the mouth to 1.5 meters at the upper extent of salmon distribution. Gradient is 2 percent. The stream offers good rearing habitat to the extent. Above this extent, the stream consists of a series of stagnant pools fed by a tiny pond. Numerous small waterfalls drain into the lower section of the stream.

Name of Observer (please print) KATHARIN SUNDET  
 Date: 10/19/93 Signature: Katharin Sundet  
 Address: 333 RASPBERRY  
ANCHORAGE AK 99518

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.

## STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

242-20-10550 B-01  
 STREAM: GRAHAM-08 SEGMENT: 08 DATE: 09/20/93 TEAM: WG/KS  
 ANADROMOUS  WIDTH (m): 3 - 1.5 LENGTH (m): \_\_\_\_\_ GPS DATE: \_\_\_/\_\_\_/\_\_\_ DIGITIZE:   
 WATERBODY: mainstem  tributary lake/pond wetland Intertidal other: \_\_\_\_\_

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
COHO	J	3	E	1', 0T	MOOSE	1	young male

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 3 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: \_\_\_\_\_  
 UNDERSTORY: GRASSES WILLOW \_\_\_\_\_

CANOPY ABOVE STREAM:  none  low  medium  high  
 GROWTH: mature secondary shrubs  meadow muskeg Intertidal

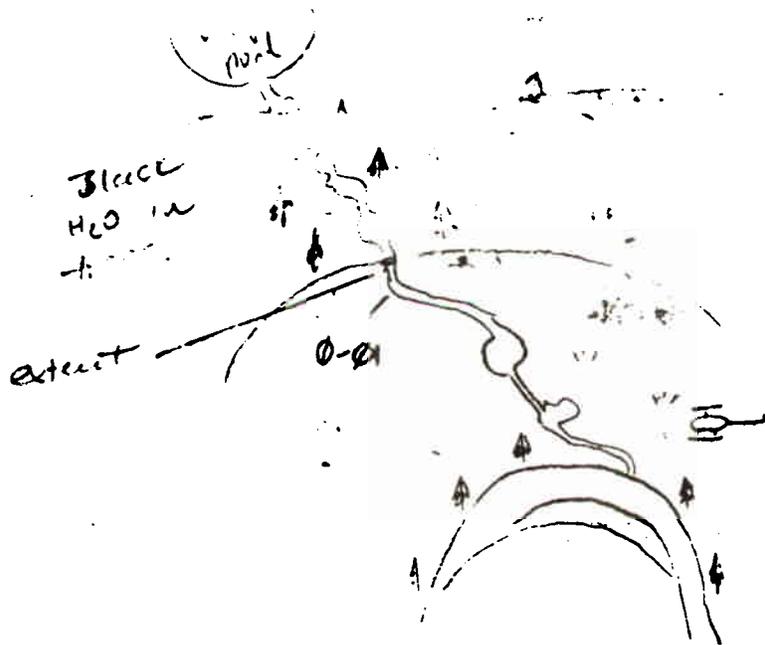
TOTAL BARRIER?  BARRIER TO SPECIES: \_\_\_\_\_ adults juveniles  
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): \_\_\_\_\_ DIST. FROM UPPER EXTENT (m): \_\_\_\_\_

PHOTO ROLL(s): <u>HOMER-03</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
30	midsegment - electrofishing		

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

How much  
 shocking  
 for 3 fish  
 Didnt check  
 alot due  
 to few  
 pools, upper  
 portion of  
 nothing, level  
 cover get  
 much

The water is very dark and appears to contain much tannic acid. It is too dark to observe fish without electroshocking. Base 8-01, the stream widens in deep, dark pools. We only found 1 stickleback in this reach. The stream drains from a lily pond.



DO NOT ENTER

### STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: GRAHAM - 08 QUAD: \_\_\_\_\_ STAGE: H M L  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): \_\_\_\_\_ UTM ZONE: \_\_\_\_\_  
 GPS FILES: \_\_\_\_\_

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

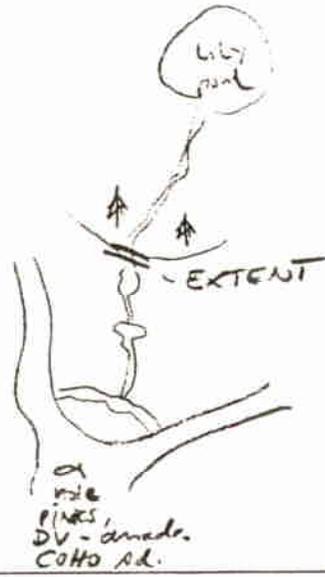
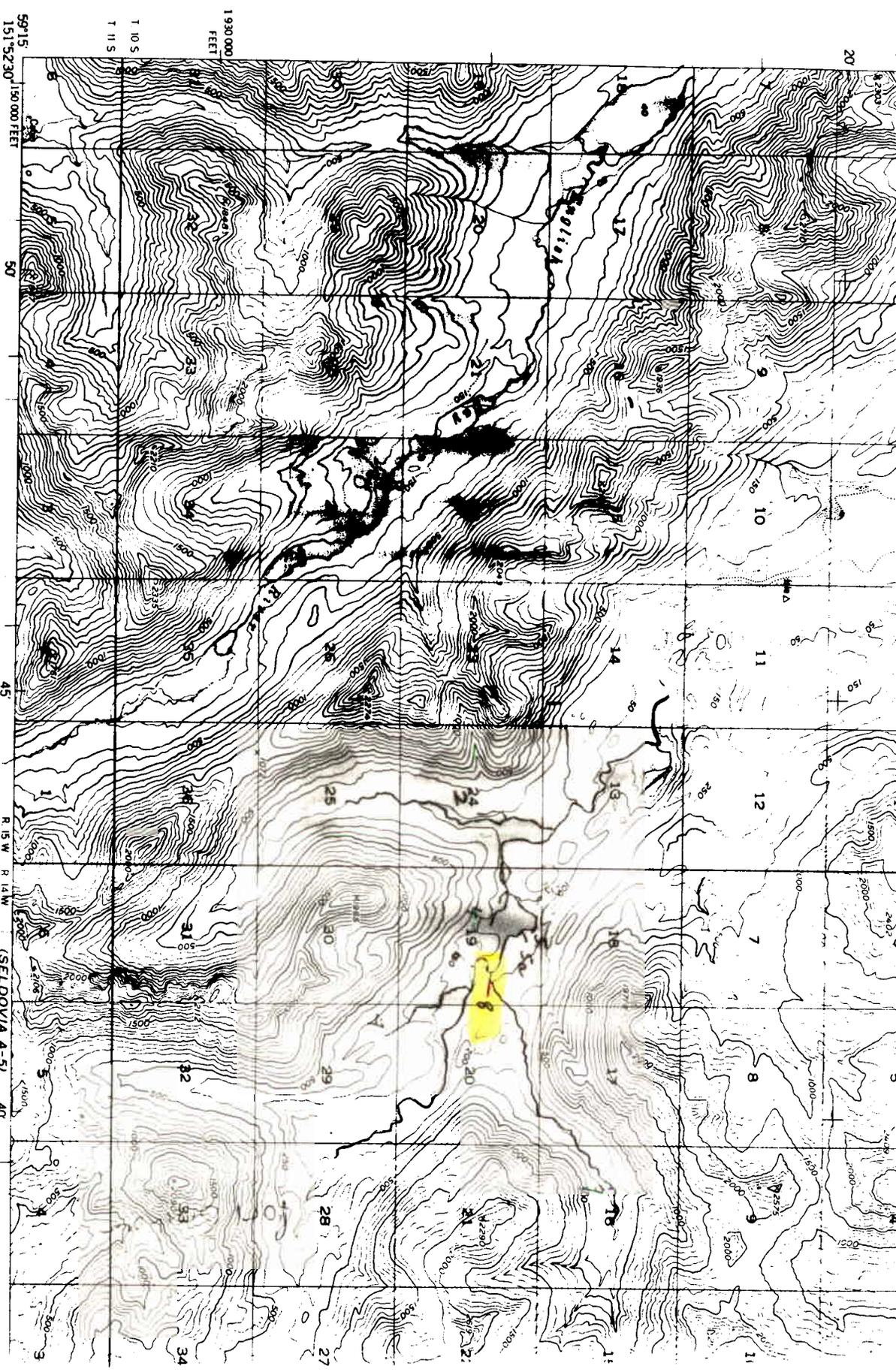


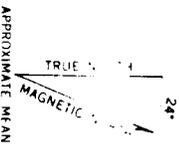
PHOTO ROLL(s): _____		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)



ISELDOVIA A-6)  
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Mapped, edited, and published by the Geological Survey  
 Control by USCGS and USCE  
 Topography by photogrammetric methods from aerial photographs  
 taken 1951, field annotated 1951. Map not field checked  
 Selected hydrographic data compiled from USCGS Charts  
 8531 and 8589. This information is not intended for  
 navigational purposes  
 Universal Transverse Mercator projection, 1927 North American datum  
 10,000-foot grid based on Alaska coordinate system, zone 4  
 1000-meter Universal Transverse Mercator grid ticks,  
 zone 5, shown in blue  
 Gray land lines represent unsurveyed and unmarked locations  
 predetermined by the Bureau of Land Management,  
 Form S-16, Seward Meridian  
 Swamps, as portrayed, indicate only the wetter areas,  
 usually of low relief, as interpreted from aerial photographs



241 20 0550 8 01 (TR 68)



CONTOUR INTERVAL 100 FEET  
 DOTTED LINES REPRESENT 50 FOOT CONTOUR  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 DEPTH CURVES AND SOUNDINGS IN FEET--DATUM IS MEAN L.W.  
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN L.W.  
 THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 15 FEET

FOR SALE BY U.S. GEOLOGICAL SURVEY  
 FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

# 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 04 1993

REGION II  
HABITAT AND RESTORATION