

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

Fishery 04

AWC Volume SE SC SW W AR IN USGS Quad Seward B-3

Anadromous Water Catalog Number of Waterway 225-30-15118

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

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

For Office Use

Nomination # <u>94 114</u>		<u>1/14/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>EO Weira</u>	<u>12/28/93</u>
Revision Code: <u>A-2Q</u>	<u>Z. Stone</u>	<u>2/4/94</u>
	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon - Adults</u>	<u>8-27-93</u>	<u>55</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: This stream was surveyed on 8-9 and 8-27-93. No salmon were observed on 8-9. The 8-27 survey found approximately 55 pink salmon spawning in the intertidal zone. Pinks occur up to the substrate barrier in the ITZ.

ALASKA DEPT. OF FISH & GAME

NOV 02 1993

Name of Observer (please print) JEFF BARNHART  
 Date: 9-29-93 Signature: Jeff Barnhart  
 Address: 333 Raspberry Road  
Anchorage, AK

REGION II HABITAT AND RESTORATION DIVISION

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 - STREAMS

STREAM: Eshamy targon 04 QUAD: SEWAD-33 STAGE: H M (L)

LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)

DATE(s): 8/9/92 UTM ZONE: 6

GPS FILES: 3080922C

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

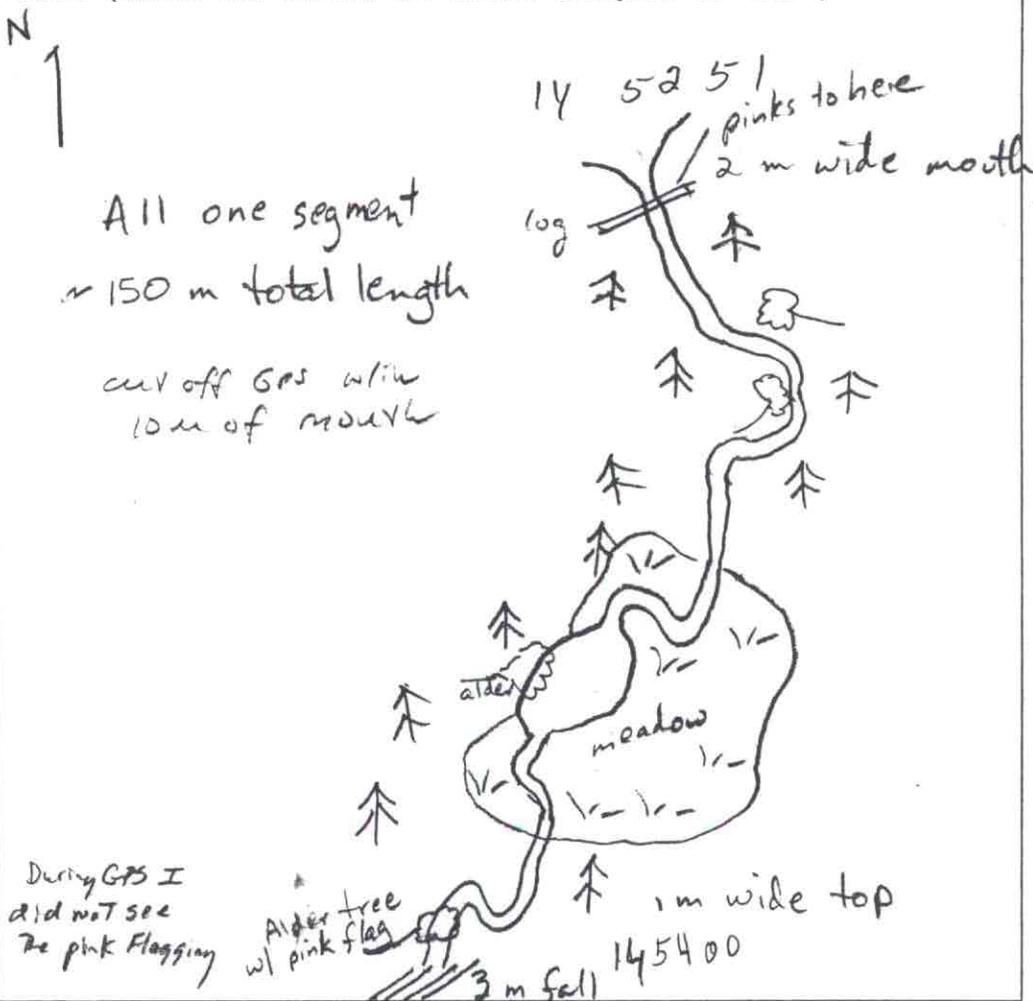


PHOTO ROLL(s): \_\_\_\_\_ VIDEO TAPE(s): \_\_\_\_\_

FRAME	DESCRIPTION	DATE

(Please enter comments on the other side)

# STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

width reflects stream measurements not ITZ

STREAM: Eshamy leg 4 SEGMENT: 0-01 DATE: 8/9/93 TEAM: Gray/BARNHART  
 ANADROMOUS: y n WIDTH (m): 2-1 LENGTH (m): 150 GPS DATE: -/- DIGITIZE: y n  
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: \_\_\_\_\_

89 -  
8-27 →

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
<u>Sculpin</u>	<u>A J</u>	<u>2</u>	<u>E</u>		<u>Beaver</u>		<u>scat</u>
<u>Pinks</u>	<u>A</u>	<u>5</u>	<u>V</u>	<u>dead</u>			
<u>N Pinks</u>	<u>A</u>	<u>50</u>	<u>V</u>	<u>at mouth</u>			
<u>etc. ....</u>							

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

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: (rank three most predominant types)  
 BEDROCK \_\_\_\_\_ BOULDER 3 RUBBLE 1 COBBLE 2  
 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: Spruce Hemlock Spruce  
 UNDERSTORY: Grass

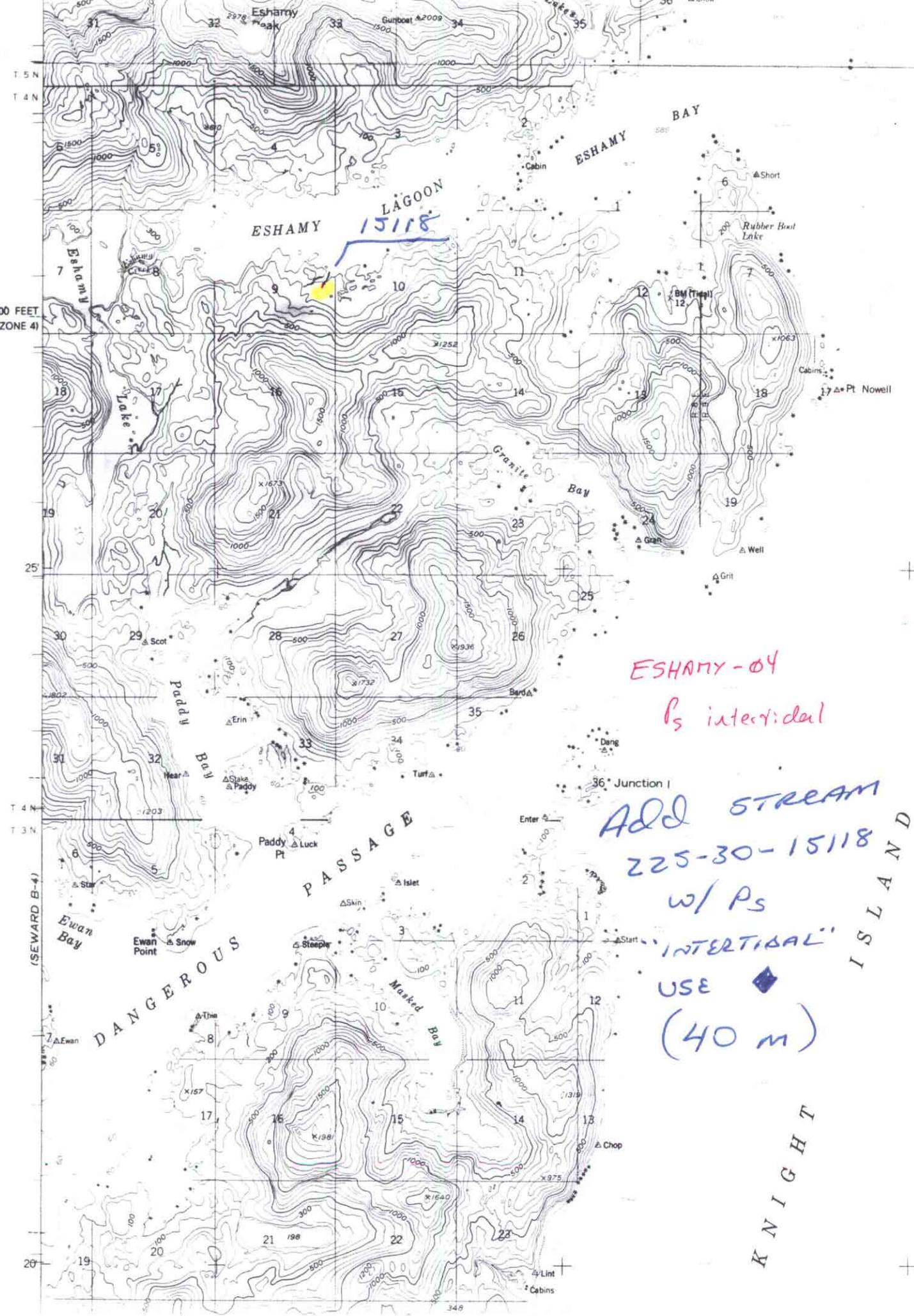
CANOPY ABOVE STREAM: none low medium high  
 GROWTH: mature secondary shrubs meadow muskeg intertidal

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

PHOTO ROLL(s): <u>KS-PI</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>15</u>	<u>Barrier at upper extent</u>		
<u>16</u>	<u>Barrier at upper extent</u>		
<u>22</u>	<u>intertidal spawning area</u>		

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

2 380 000 FEET  
(ZONE 4)



ESHAMY LAGOON  
15118

ESHAMY-04

Ps intertidal

Add STREAM  
225-30-15118

w/ Ps

INTERTIDAL

USE

(40 m)

DANGEROUS

PASSAGE

ISLAND

KNIGHT

# 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 2, 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 46 streams surveyed in the summer of 1993 on private lands held by the Chenega and Chugach Alaska Corporations in southwest Prince William Sound.

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