

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

Eshamy 33 segments 0-01 3 main km  
0-02

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

Anadromous Water Catalog Number of Waterway 225-30-1510-2105

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

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

For Office Use

Nomination # <u>94 122</u>	<u>[Signature]</u>	<u>11/6/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>EO Weiss</u>	<u>12/28/93</u>
Both <input checked="" type="checkbox"/>	<u>Z. Brown</u>	<u>2/3/94</u>
Revision Code: <u>A-2 E9</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho - Juvenile	8-9-93		3		<input checked="" type="checkbox"/>
Sockeye - Adults	8-27-93	7			<input checked="" type="checkbox"/>
Rainbow Trout - Adult	8-9-93				

**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:** Both segments, 0-01 and 0-02, of this stream were surveyed, electroshocking almost every small pool. Three coho fry were captured in one pool. No other coho were observed or captured. The location of the coho fry is indicated on the attached map. On 8-27 we surveyed the upper reach of stream segment 0-02 visually identifying and enumerating 7 adult sockeye. The sockeye distribution extended to the base of a 0.5 meter waterfall. Just upstream of this barrier exists a 4 meter fall.

Name of Observer (please print) JEFF BARNHART  
Date: 9-30-93 Signature: [Signature]  
Address: 333 Raspberry Road  
Anchorage AK

ALASKA DEPT. OF  
FISH & GAME

NOV 02 1993

REGION II  
HABITAT 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: \_\_\_\_\_

Rev. 7/93

# STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: ESHAMY LAKE 23 (0-a) QUAD: Seward B-3 STAGE: H M L  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): 8-9-93 UTM ZONE: 6  
 GPS FILES: 8001017H

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

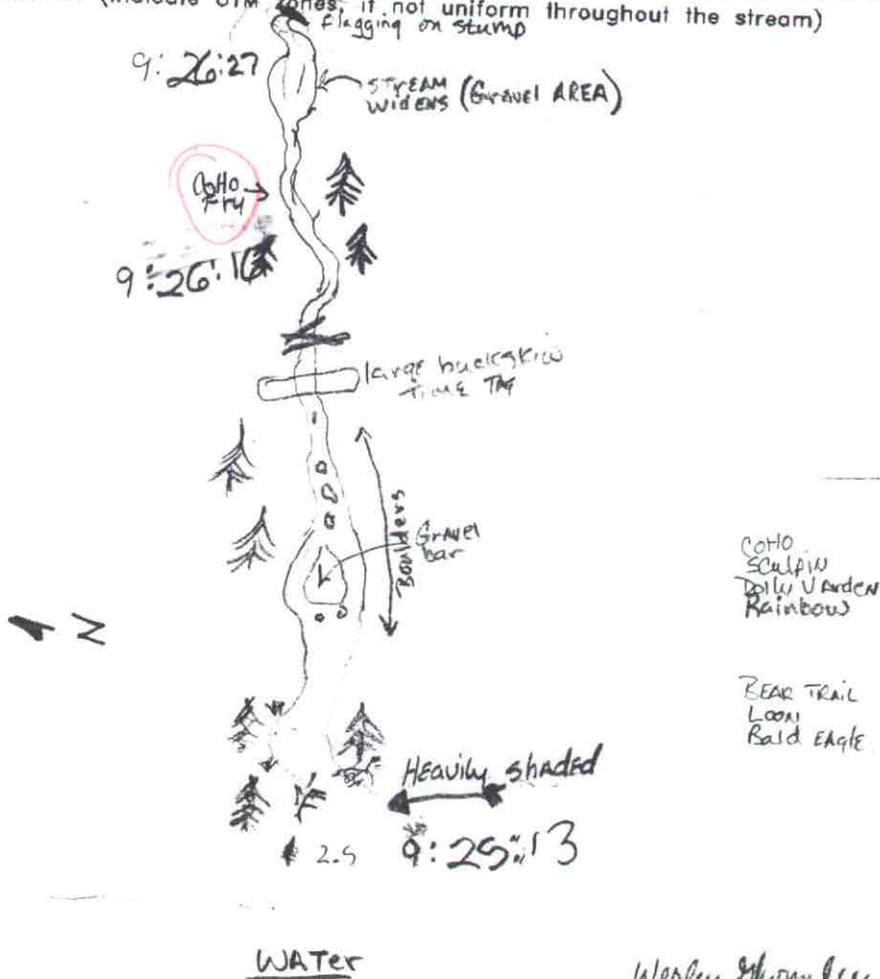


PHOTO ROLL(s):		VIDEO TAPE(s): <u>W/Gool</u>	
FRAME	DESCRIPTION	DATE	
		<u>8/9/93</u>	<u>ENTIRE STREAM / COHO HOLE</u>

(Please enter comments on the other side)

# STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: ESHAMY - 23 SEGMENT: 0-01 DATE: 08/09/93 TEAM: WJG/KS  
 ANADROMOUS: y WIDTH (m): 2.0 - 3.5 LENGTH (m): \_\_\_\_\_ GPS DATE: 8/10/93 DIGITIZE: y  
 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>COHO</u>	<u>J</u>	<u>3</u>	<u>E</u>	<u>near pool</u>			
<u>RT</u>	<u>A</u>	<u>1</u>	<u>E</u>				

GRADIENT(%): 4 CHANNEL PROFILE: A B C D E F  
 CHANNEL PATTERN: single multi braided  
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK \_\_\_\_\_ BOULDER 2 RUBBLE 1 COBBLE 3  
 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  
 UNDERSTORY: HEMLUCK BLUEBERRIES MOSS  
 CANOPY ABOVE STREAM: none low medium high  
 GROWTH: mature secondary shrubs meadow muskeg Intertidal

TOTAL BARRIER? y n BARRIER TO SPECIES: \_\_\_\_\_ adults juveniles  
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 1 DIST. FROM UPPER EXTENT (m): 1

PHOTO ROLL(s): KS-02 VIDEO TAPE(s): \_\_\_\_\_

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>33</u>	<u>start of segment</u>		
<u>34</u>	<u>middle of segment</u>		
<u>35</u>	<u>Coho rearing pool</u>		

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

NO GPS (NO SALMON)

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: ESHAMU LAKE 23 (0-02) QUAD: Seward B-3 STAGE: H M (L)  
LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
DATE(s): 8/9/93 UTM ZONE: 6  
GPS FILES: 3052722A

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

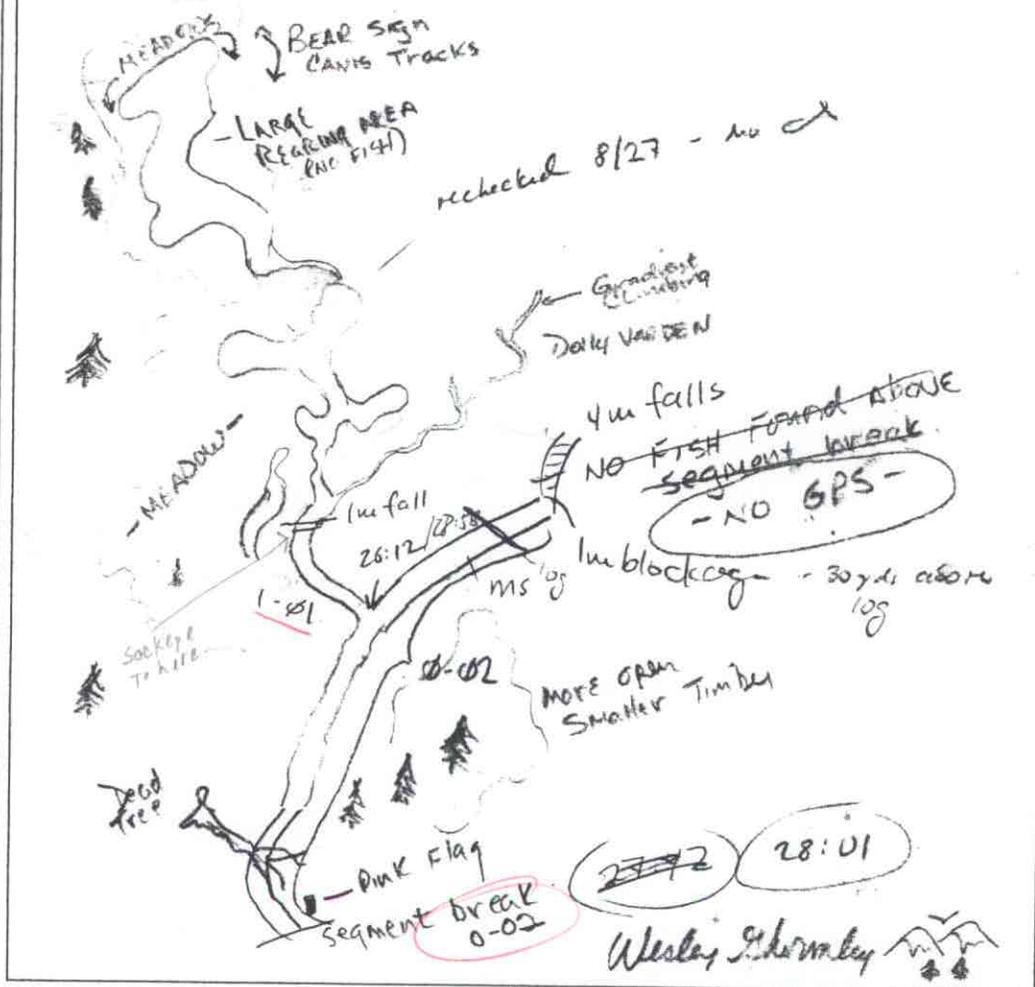
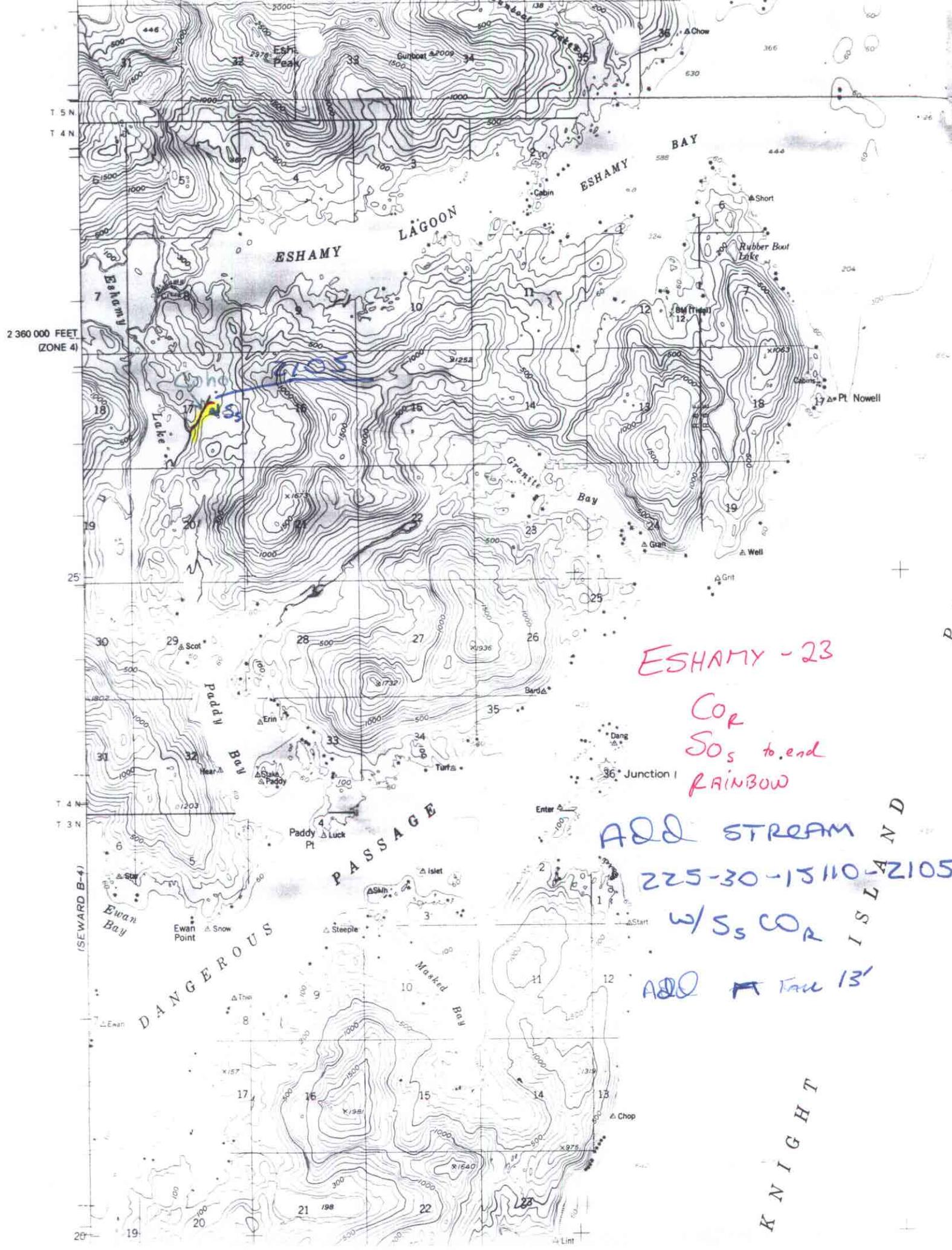


PHOTO ROLL(s): _____		VIDEO TAPE(s): <u>WG01</u>	
FRAME	DESCRIPTION	DATE	
		<u>8/9/93</u>	<u>Entire Stream</u>

(Please enter comments on the other side)





2 360 000 FEET  
(ZONE 4)

ESHAMY - 23

Cor  
So<sub>s</sub> to end  
RAINBOW

ADD STREAM  
225-30-13110-2105

w/So<sub>s</sub> COR ISLAND

ADD Fall 13'

DANGEROUS

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