

AWC Volume SE SC SW W AR IN USGS Quad Seward B-4

Anadromous Water Catalog Number of Waterway 225-30-15110-2037

Name of Waterway _____ USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 117</u>	<u>[Signature]</u>	<u>11/6/94</u>
Revision Year: <u>'94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>[Signature]</u>	<u>12/28/93</u>
Both <input checked="" type="checkbox"/>	<u>2 [Signature]</u>	<u>2/8/94</u>
Revision Code: <u>A-22</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Sockeye Salmon - Adults</u>	<u>8-27-93</u>	<u>7</u>			<input checked="" type="checkbox"/>
<u>Pink Salmon - Adults</u>	<u>8-27-93</u>	<u>2</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 sockeye and pinks to a point 10 meters upstream from the mouth. The substrate barrier exists 30 meters upstream of last observed salmon. Stream width at the mouth and upper extent is 2 meters respectively. Gradient is 2 percent.

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

ALASKA DEPT. OF FISH & GAME
 NOV 02 1993
 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: _____ Rev. 7/93

STREAM: ESHAMY - 13
 LANDOWNER: Chenega CAC (Eyak) Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/27/93 UTM ZONE: 6
 GPS FILES: 39827223 QUAD: Seward B-4 STAGE: H M L

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

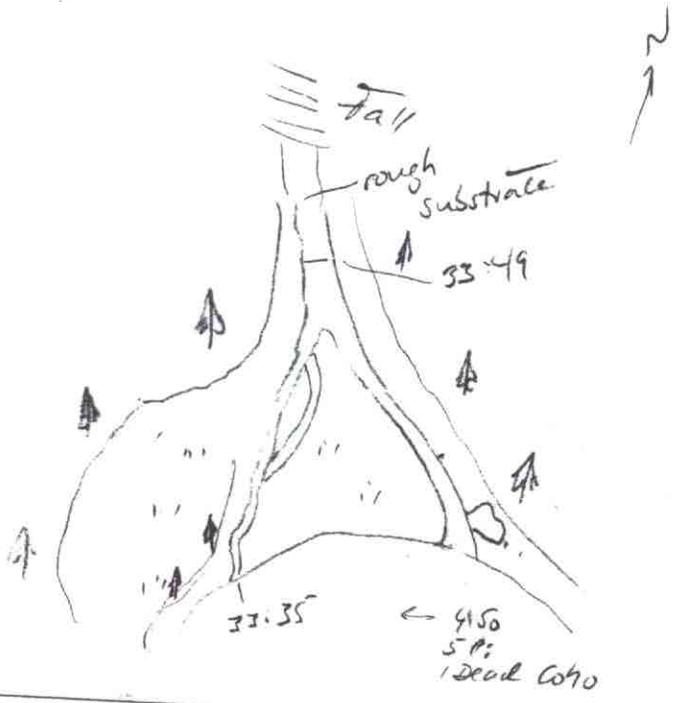


PHOTO ROLL(s): _____ VIDEO TAPE(s): JG-01

FRAME	DESCRIPTION	DATE
		7/27

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: ESQUATIM - 13A SEGMENT: 0-01 DATE: 8/27/93 TEAM: JB/KS
 ANADROMOUS: n WIDTH (m): 2 - 2 LENGTH (m): 40 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>Suckeye</u>	<u>A</u>	<u>7</u>	<input checked="" type="checkbox"/>	<u>10m ft. mouth</u>	<u>Scat</u>		<u>Scat</u>
<u>Pike</u>	<u>A</u>	<u>2</u>	<input checked="" type="checkbox"/>	<u>10m ft. mouth</u>			

GRADIENT(%): 2 CHANNEL PROFILE: A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE 3 COBBLE 2
 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: Hemlock Spice
 UNDERSTORY: Salmonberry Willow Grass
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg Intertidal

TOTAL BARRIER? n BARRIER TO SPECIES: ALL adults juveniles
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): DIST. FROM UPPER EXTENT (m): 30

PHOTO ROLL(s): <u>JB-04</u>		VIDEO TAPE(s): <u>DG-01</u>	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>21</u>	<u>Suckeye</u>	<u>8/27</u>	<u>Suckeye at mouth</u>
<u>22</u>	<u>"</u>		
<u>23</u>	<u>at mouth, upstream</u>		

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

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

FROM: Kathrin Sundet *KS*
Habitat Biologist
Region II
Habitat and Restoration Division
Department of Fish and Game

SUBJECT: Anadromous Stream
Nominations
and Corrections
Project R-51

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