

Marsha 04

AWC Volume SE SC SW W AR IN USGS Quad Seward BZ
 Anadromous Water Catalog Number of Waterway 226-30-16842
 Name of Waterway _____ USGS name _____ Local name _____
 Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>91 143</u>	<u>J. Wain</u>	<u>11/9/94</u>
Revision Year: <u>'94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Wain</u>	<u>12/28/93</u>
Both <input checked="" type="checkbox"/>	<u>J. Inoue</u>	<u>2/2/94</u>
Revision Code: <u>A-20</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon/Adult	8/31/93	19			<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: 19 adult pink salmon were visually identified during a foot of this stream. The barrier is a 0.5 meter logjam which also marks the upper extent of the pinks. Channel width is 2 meters at the mouth and at the barrier. Gradient is 50%.

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print) JEFF BARNHART
 Date: 10-6-93 Signature: Jeff Barnhart
 Address: 333 Raspberry Road Anchorage AK

NOV 02 1993

REGION II
 FISH AND RESTORATION
 13614

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: MARSHA - 04 QUAD: Seward B2 STAGE: H M L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 08/21/93 UTM ZONE: 6
 GPS FILES: B090121B

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

B090121A - Marshak:

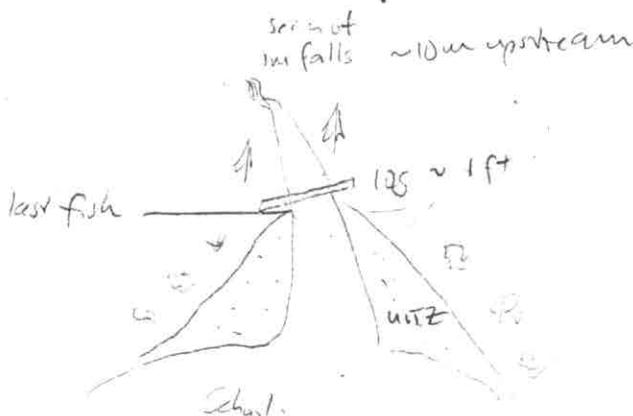


PHOTO ROLL(s): 45-06

VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE
32	UTZ into marsh	

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Maasha 04 SEGMENT: 0-01 DATE: 8/31/93 TEAM: JB/KS
 ANADROMOUS: yn WIDTH (m): 2 - 2 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>pink</u>	<u>A</u>	<u>14</u>	<u>V</u>	<u>Dead</u>			
<u>pink</u>	<u>A</u>	<u>5</u>	<u>V</u>	<u>live</u>			

GRADIENT(%): 5 CHANNEL PROFILE: V □ □ U V □
A B C D E F

CHANNEL PATTERN: single multi braided

STREAM SUBSTRATE: BEDROCK _____ BOULDER _____ RUBBLE 3 COBBLE 2
(rank three most predominant types) GRAVEL 1 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____

STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS _____ LOGS _____ BOULDERS X
 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: _____

CANOPY ABOVE STREAM: none low medium high

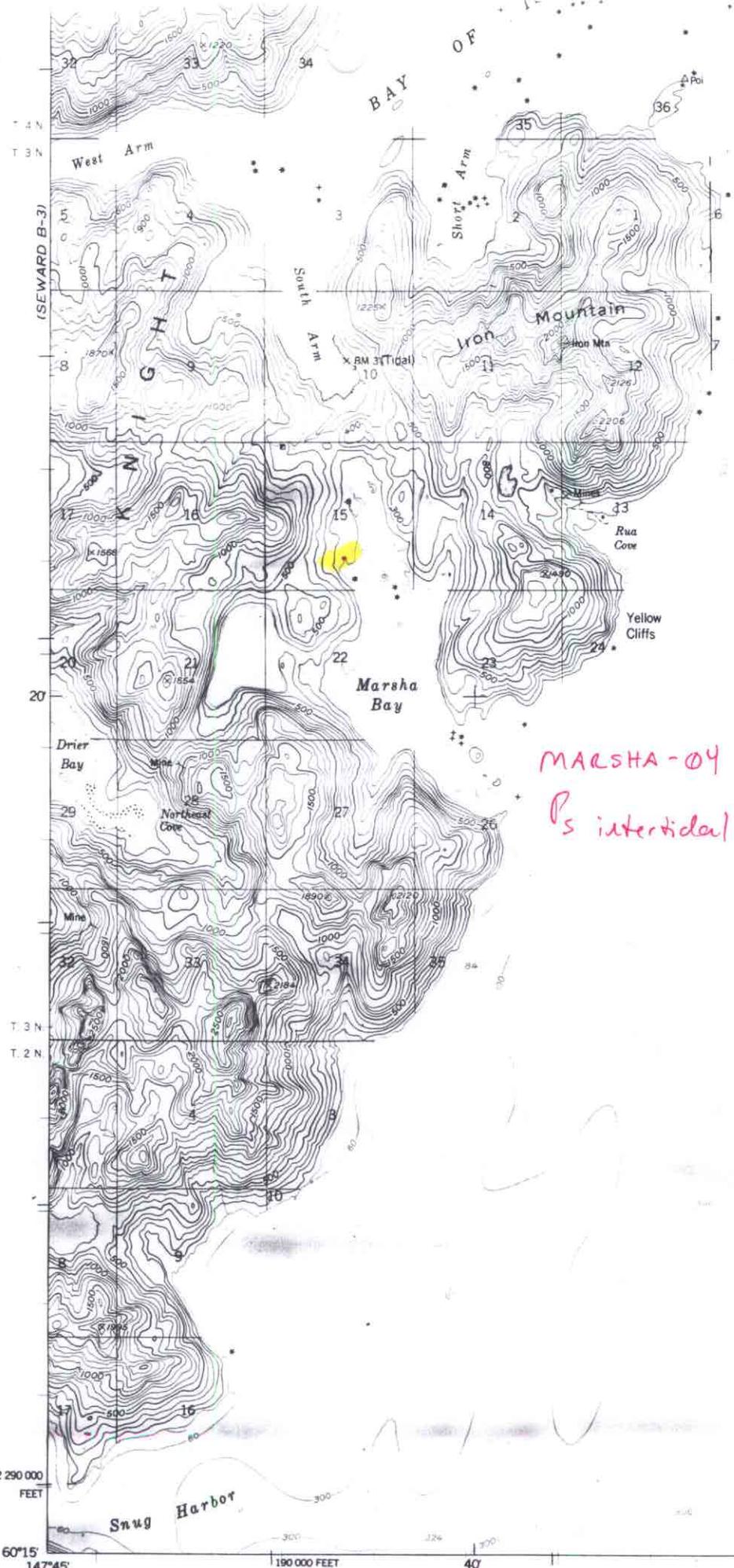
GROWTH: mature secondary shrubs meadow muskeg Intertidal

TOTAL BARRIER? yn BARRIER TO SPECIES: pink adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 5 DIST. FROM UPPER EXTENT (m): 2

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

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



ADD STREAM
 226-30-16842
 w/ Ps
 USE 

MARSHA-04
 Ps intertidal

MONTAGUE

60°15' 147°45' 190 000 FEET 40 35' SEWARD A-2)

Mapped, edited and published by the Geological Survey
 Control by NOS/NOAA and USCE



WARD A-3)

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