

AWC Volume SE SC SW W AR IN USGS Quad Cordova C6

Anadromous Water Catalog Number of Waterway 221-20-10314

Name of Waterway _____ USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 231</u>	<u>J. Jolly</u>	<u>1/18/94</u>
Revision Year: <u>-94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Wein</u>	<u>1/6/94</u>
Both <input checked="" type="checkbox"/>	<u>Z. Brown</u>	<u>2/9/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Pink Salmon/Adult	8/21/93	130			<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: 130 adult pink salmon were observed in this stream during a foot survey. The barrier is a 0.3 meter high falls which also represents the upper extent of pink salmon. Channel width is 3 meters at the mouth and 0.3 meters at the barrier. Gradient is 1-3 percent.

Name of Observer (please print) KATHAIN SUDET
Date: 10/6/93 Signature: Kathain Sudet
Address: 333 RASPBERRY
ANCHORAGE AK 99518

ALASKA DEPT. OF
FISH & GAME

NOV 03 1993

REGION II
RESTORATION
SECTION

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: SHEEP Bay 9 QUAD: Cordova C-6 STAGE: H M L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/2/93 UTM ZONE: 6
 GPS FILES: _____

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

START 12:35

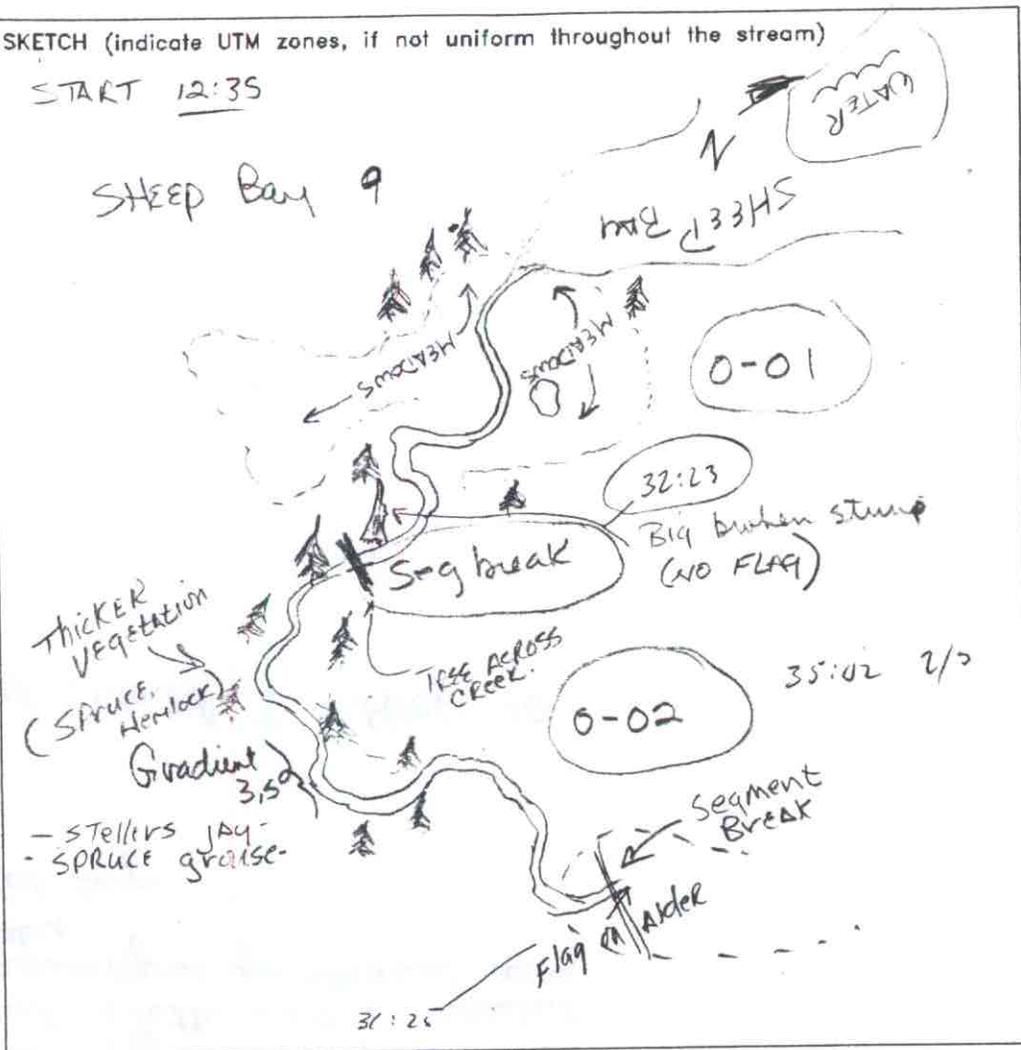


PHOTO ROLL(s): _____		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: SHEEP - 09 SEGMENT: 0-01 DATE: 8/21/83 TEAM: WG/KS
 ANADROMOUS: yn WIDTH (m): 3 - 1.5 LENGTH (m): 110 GPS DATE: 8/21 DIGITIZE: yn
 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>60</u>	<u>✓</u>	<u>live</u>			
<u>pink</u>	<u>A</u>	<u>20</u>	<u>✓</u>	<u>dead</u>			

GRADIENT(%): 1 CHANNEL PROFILE: A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: BEDROCK ___ BOULDER ___ RUBBLE ___ COBBLE ___
 (rank three most predominant types) GRAVEL 1 SAND ___ MUD/SILT 3 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 FERNS _____
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

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

PHOTO ROLL(s): <u>DG-01</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>32</u>	<u>mouth</u>		
<u>33</u>	<u>force mouth into logjam</u>		
<u>34</u>	<u>wild-segment</u>		

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

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: SHEEP - 09 SEGMENT: 0-02 DATE: 8/21/93 TEAM: WG/KS
 ANADROMOUS: y WIDTH (m): 1.5 - 1.0 LENGTH (m): 100 GPS DATE: 8/21 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>PINK</u>	<u>A</u>	<u>30</u>	<u>✓</u>	<u>live</u>	<u>SPRUCEGRUBER</u>	<u>1</u>	
<u>PINK</u>	<u>2</u>	<u>10</u>	<u>✓</u>	<u>DEAD</u>	<u>OTHER</u>	<u>-</u>	<u>sampled area</u>

GRADIENT(%): 3 CHANNEL PROFILE: V □ □ D V ■
A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: BEDROCK ___ BOULDER ___ RUBBLE 3 COBBLE 1
(rank three most predominant types) GRAVEL 2 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 SPRUCE
 UNDERSTORY: FERNS ALDERS SALMONBERRY
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

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

PHOTO ROLL(s): <u>DG-01 / KS05</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>36</u>	<u>undersment</u>	<u>8/21</u>	<u>fish snagging upstream</u>
<u>1</u>	<u>typical vegetation</u>		
<u>2</u>	<u>typical streambed</u>		

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

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: SHEEP-09 SEGMENT: 0-03 DATE: 8/21/93 TEAM: WG/KS
 ANADROMOUS: y/n WIDTH (m): .5-.3 LENGTH (m): 40 GPS DATE: 8/21 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>10</u>	<u>V</u>		<u>OTTER</u>	<u>-</u>	<u>tracks, pedetic-</u>

GRADIENT(%): 1 CHANNEL PROFILE: V B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: BEDROCK ___ BOULDER ___ RUBBLE 3 COBBLE 1
 (rank three most predominant types) GRAVEL 2 SAND ___ MUD/SILT ___ ORGANICS ___ OTHER: _____
 STREAM COVER TYPE: ORGANIC DEBRIS ___ DEAD BRANCHES/TWIGS V LOGS V BOULDERS V
 CUT BANK V OVERHANGING VEGET. V 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
 UNDERSTORY: FERNS SKUNK CABBAGE BLUEBERRY

CANOPY ABOVE STREAM: none low medium high

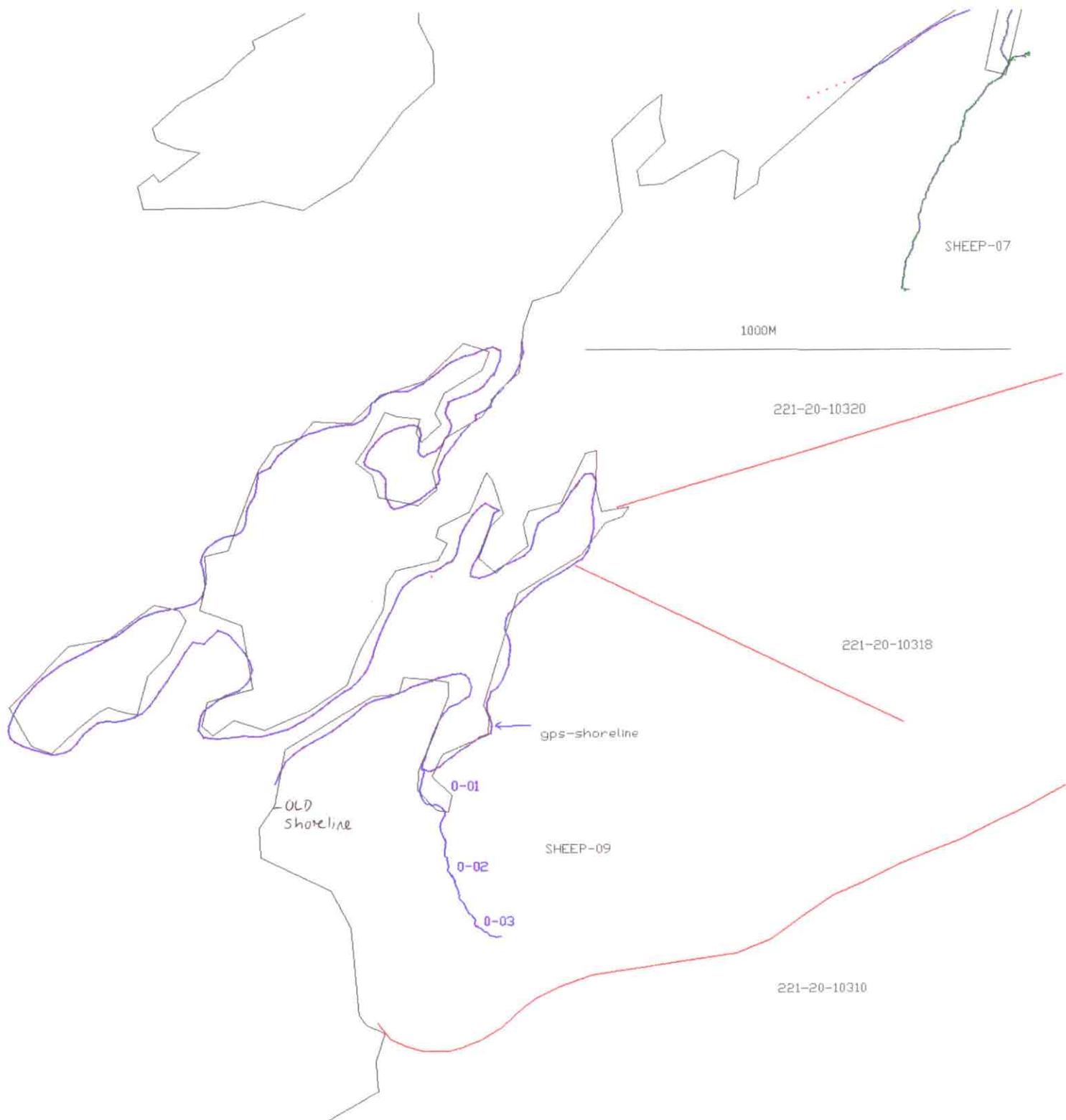
GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? y/n BARRIER TO SPECIES: PINK adults juveniles

TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 2.3 DIST. FROM UPPER EXTENT (m): _____

PHOTO ROLL(s): <u>KS-05</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>3</u>	<u>Start segment 3</u>		
<u>4</u>	<u>"</u>		

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



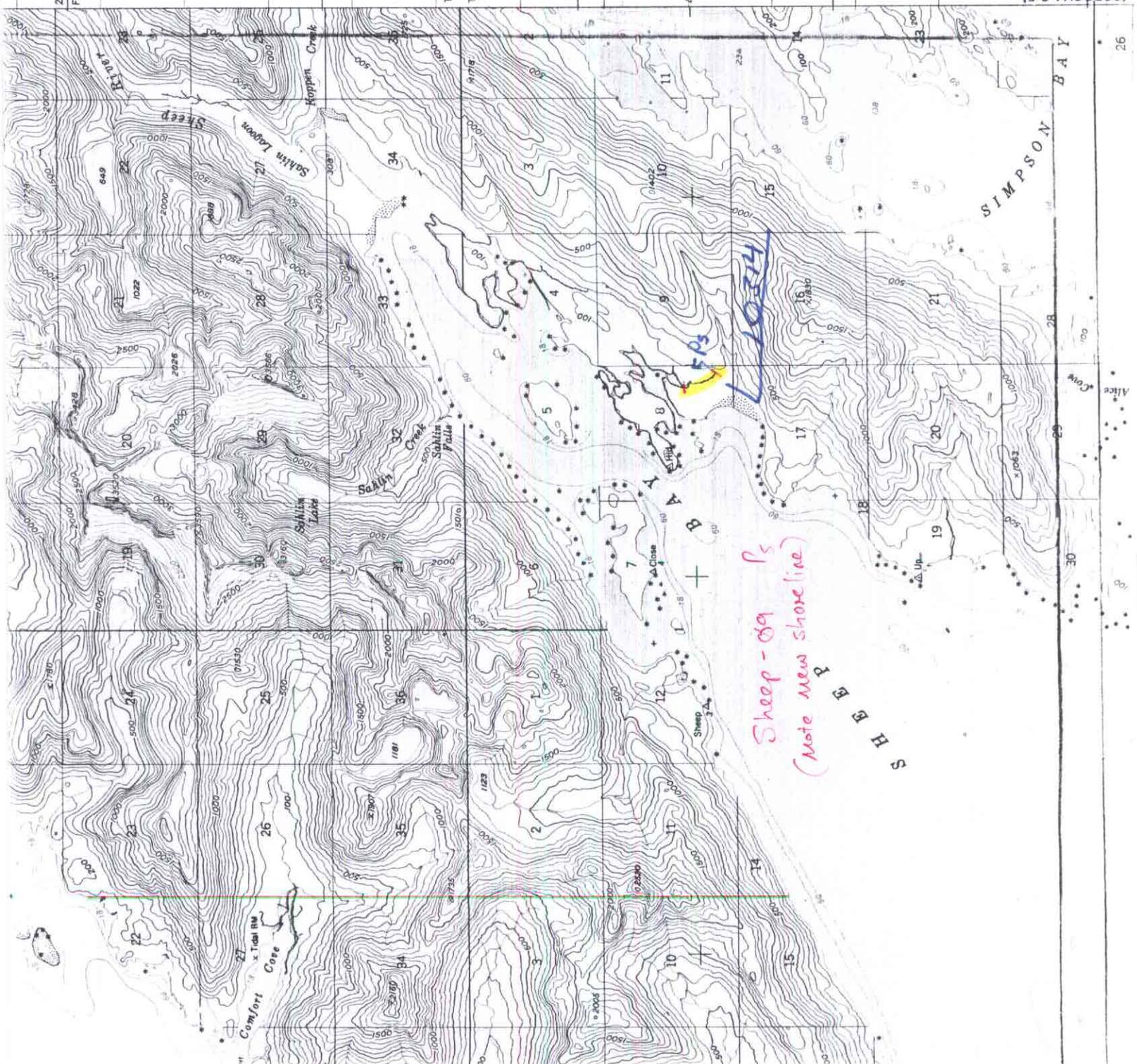
Add stream
221-20-10314
w/P5

2 460 000
FEET

T. 13 S.
T. 14 S.

40'

(CORDOVA C-5)



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SHEEP BAY

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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
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 53 streams surveyed in the fall of 1993 on private lands held by the Tatitlek and Eyak Native Corporations in northeast 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.

There substantial discrepancies among shorelines on the USGS quad sheets, the DNR shoreline, and observed shorelines in this area. In some cases I have attached enlarged plots generated from GPS data and the DNR shoreline to the nomination form in order to illustrate the differences.

Attachments

cc w/o Attachments: Lance Trasky
Don McKay
Mark Kuwada