

AWC Volume SE SC SW W AR IN USGS Quad Cordova C-6

Anadromous Water Catalog Number of Waterway 228-30-18611

Name of Waterway _____ USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 195</u>	<u>[Signature]</u>	<u>11/8/94</u>
Revision Year: <u>-94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>ED Weiss</u>	<u>1/6/94</u>
Both <input checked="" type="checkbox"/>	<u>Z. Shove</u>	<u>2/9/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon - Adults</u>	<u>8-22-93</u>	<u>825</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: Pink salmon distribution extended from the intertidal spawning area to the upper extent of observed salmon as indicated on the map (last GPS point). No barrier exists at the upper extent of salmon distribution. However, the gradient increases and a series of small 3-5 meter falls begin. Poor spawning area upstream of upper extent location. Stream width ranges from 6 meters at the mouth to 5 meters at the upper extent of salmon distribution. Gradient is 3 percent.

ALASKA DEPT. OF FISH & GAME

Name of Observer (please print) JEFF BARNHART
 Date: 10-7-93 Signature: [Signature]
 Address: 333 Raspberry Road Anchorage AK

NOV 03 1993

REGION II 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: _____

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Hawkins 06 SEGMENT: 0-01 DATE: 8/22/93 TEAM: JB/DG/UG
 ANADROMOUS: n WIDTH (m): 6-5 LENGTH (m): _____ GPS DATE: 8/27 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>pinkys</u>	<u>A</u>	<u>800</u>	<u>V</u>	<u>Including ITC spawning</u>	<u>Kingfisher</u>	<u>1</u>	<u>Tracks/Scat</u>

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

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

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

PHOTO ROLL(s): <u>JB03</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>21</u>	<u>Photo taken at confluence of 06 and Hawkins 06, looking upstream at Hawkins 06</u>		
<u>22</u>	<u>Lower section of stream, looking 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)

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Hawkins Ob SEGMENT: 0-02 DATE: 8/22/93 TEAM: JB/DG/WG
 ANADROMOUS: y WIDTH (m): 5-5 LENGTH (m): _____ GPS DATE: 8/22 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>pinks</u>	<u>A</u>	<u>25</u>	<u>✓</u>				

GRADIENT(%): 4 CHANNEL PROFILE: (V) (A) (B) (C) (D) (E) (F)
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE + COBBLE 2
 GRAVEL 3 SAND _____ MUD/SILT _____ ORGANICS _____ OTHER: _____
 STREAM COVER TYPE: ORGANIC DEBRIS _____ DEAD BRANCHES/TWIGS X LOGS X BOULDERS _____
 CUT BANK _____ OVERHANGING VEGET. X 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: blueberry devil's club
 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): _____ DIST. FROM UPPER EXTENT (m): _____

PHOTO ROLL(s): <u>JB03</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>21-27</u>	<u>Beginning of segment 0-02 looking up stream</u>		

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

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Hawkins Island G QUAD: Cordova G6 STAGE: H M L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/22/93 UTM ZONE: _____
 GPS FILES: _____ C, D, E B082222

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

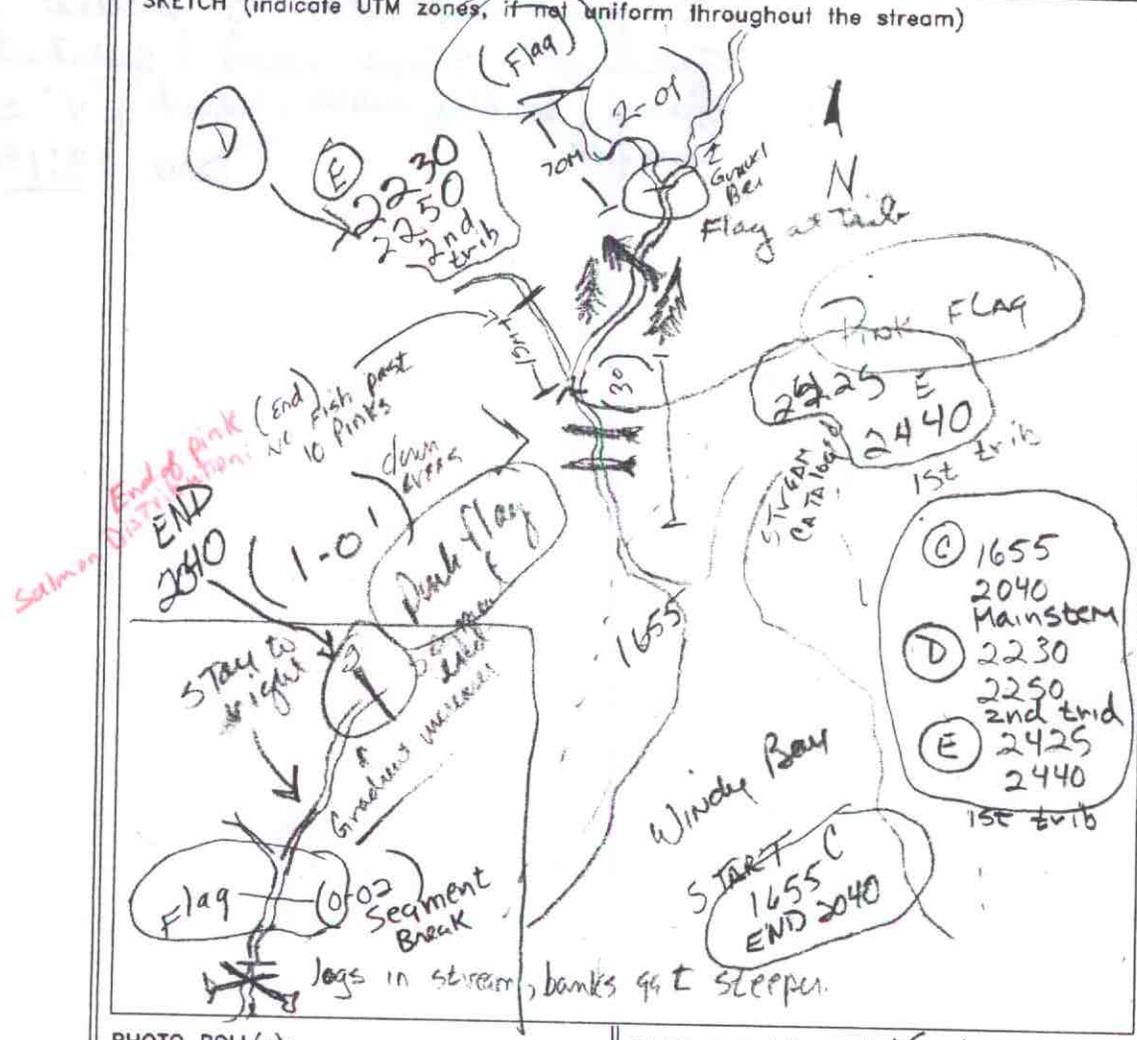


PHOTO ROLL(s): _____		VIDEO TAPE(s): <u>W601</u>	
FRAME	DESCRIPTION	DATE	_____
		<u>8/21/93</u>	<u>(2-01) 1-pm extent</u>

(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 3, 1993

FILE NO.:

TELEPHONE NO.: 267-2295

FROM: Kathrin Sundet
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 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