

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

Tribl = (1-01, 1-02)

AWC Volume SE SC SW W AR IN USGS Quad CORDOVA - C6

Anadromous Water Catalog Number of Waterway 228-30-18560-2007

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

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

For Office Use

Nomination # <u>94 200</u>	<u>JOGY</u>	<u>1/18/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Weira</u>	<u>1/7/94</u>
Both <input checked="" type="checkbox"/>	<u>J. Inoue</u>	<u>2/2/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Pink Salmon-Adult</u>	<u>8/22/93</u>	<u>148</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: 148 adult pink salmon were visually identified in this tributary. The tributary drains from a series of beaverponds into catalogued stream 228-30-18560. The barrier is a 3m high beaver-dam at the end of the first pond. The gradient is 2%, stream width ranges from 2 to 8 m. The stream contains good spawning habitat. Pinks were observed up to the beaver dam.

Name of Observer (please print) KATHARIN SUNDET  
 Date: 10/29/93 Signature: Katharin Sundet  
 Address: 333 RASPBERRY  
ANCHORAGE AK 99518

ALASKA DEPT. OF FISH & GAME

NOV 03 1993

REGION II  
 WATERSHED AND RESTORATION  
 150 24

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: HAWKINS - 1B QUAD: CORDOVA C-6 STAGE: H/M/L  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): 8/23/93/8/24/93 UTM ZONE: 6  
 GPS FILES: \_\_\_\_\_

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

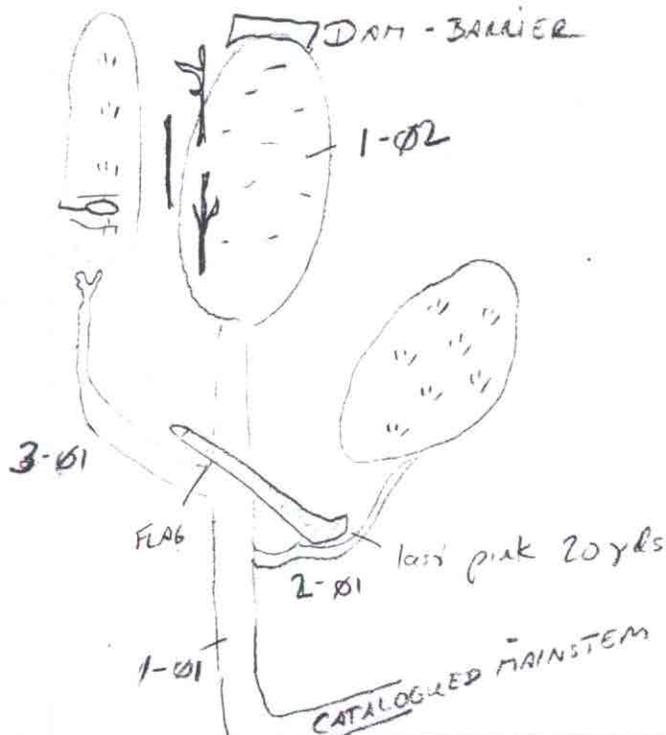


PHOTO ROLL(s): \_\_\_\_\_

VIDEO TAPE(s): \_\_\_\_\_

FRAME

DESCRIPTION

DATE

(Please enter comments on the other side)

Heavily populated mainstem, its already  
Cataloged. Runs into USFS boundary.

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TRib running to the north. 200+ fish  
in stream. Tremendous amount of dermal  
loss in stream. Dead snags thin-out.  
Hemlock overstore.

Deer sign, beaver dam blockage.  
Bald Eagles, bear scat. Steller  
jay, Ravens.

Done w/ stream 4:45

# STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: HAWKINS-19 SEGMENT: 9-01 DATE: 08/22/93 TEAM: WG/KS  
 ANADROMOUS: y n WIDTH (m): 2 - 1.5 LENGTH (m): \_\_\_\_\_ GPS DATE: 8/23 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>80</u>	<u>✓</u>	<u>RM Pipe</u>	<u>Beaver</u>		<u>tra. 1</u>
<u>PINK</u>	<u>A</u>	<u>80</u>	<u>✓</u>	<u>dead</u>	<u>other</u>		<u>scat</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 2 COBBLE 1  
 GRAVEL 3 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: Grasses Alder Blueberry

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): K5-05 VIDEO TAPE(s): \_\_\_\_\_

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>15</u>	<u>Coagou</u>		
<u>16</u>	<u>Coagou</u>		
<u>17</u>	<u>mouth</u>		
<u>18</u>	<u>mid-segment, mossy</u>		
<u>19</u>	<u>mid-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: HANKING RD SEGMENT: 1-D2 DATE: 8/22/93 TEAM: WG/KS  
 ANADROMOUS: n WIDTH (m): 1.5-8 LENGTH (m): 20 GPS DATE: 8/23 DIGITIZE: 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>8</u>	<input checked="" type="checkbox"/>	<u>difficult to see in pond</u>			

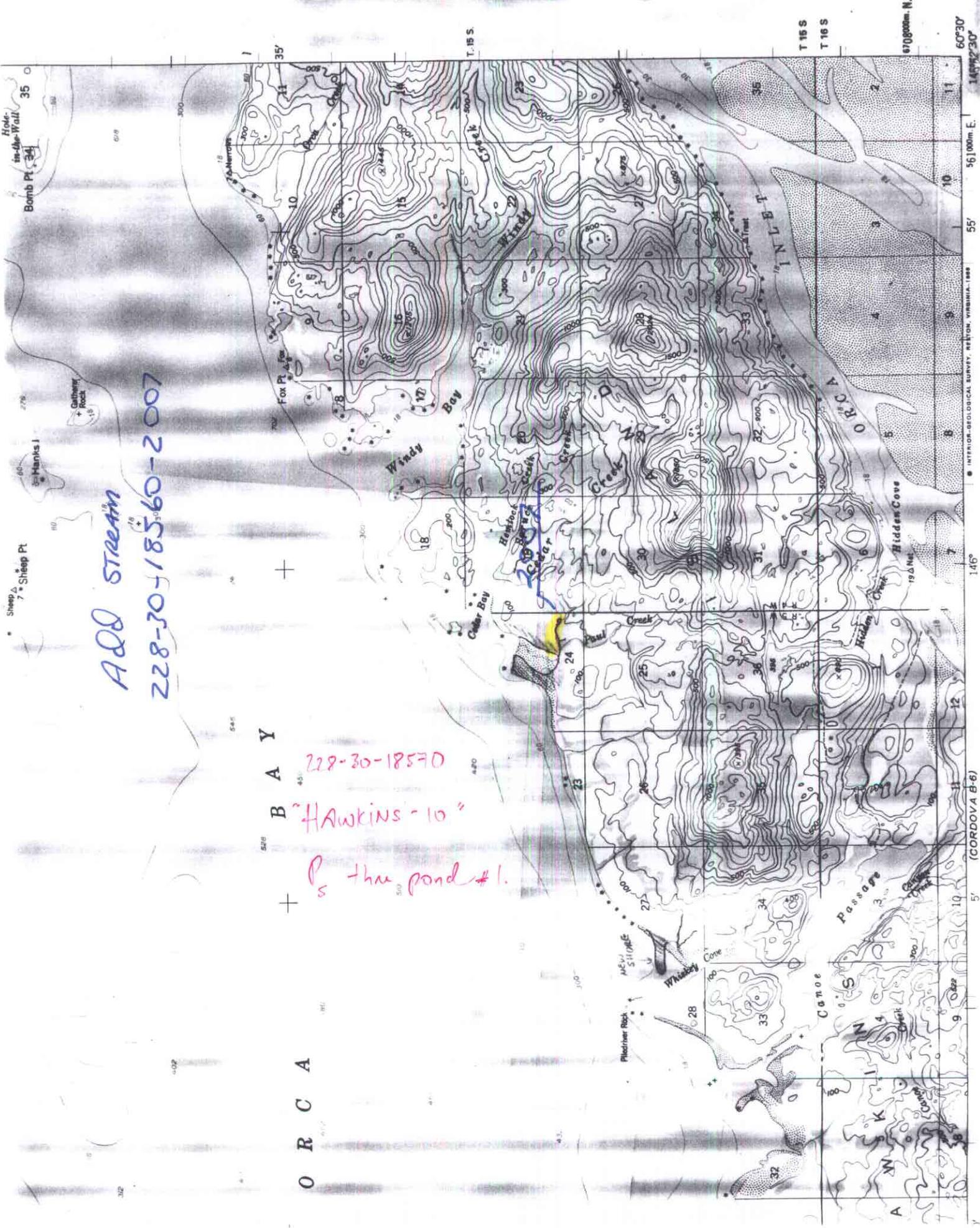
GRADIENT(%): 0 CHANNEL PROFILE: A B C D E F  
 CHANNEL PATTERN: single multi braided  
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK \_\_\_ BOULDER \_\_\_ RUBBLE \_\_\_ COBBLE 1  
 GRAVEL 2 SAND \_\_\_ MUD/SILT 3 ORGANICS \_\_\_ OTHER: \_\_\_\_\_  
 STREAM COVER TYPE: ORGANIC DEBRIS  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: BLUEBERRY GRASS FERNS  
 CANOPY ABOVE STREAM: none low medium high  
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? y n BARRIER TO SPECIES: ALL adults juveniles  
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 3 DIST. FROM UPPER EXTENT (m): 0

PHOTO ROLL(s): <u>KS-05</u>		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>20</u>	<u>start of segment</u>		
<u>21</u>	<u>barrier</u>		
<u>22</u>	<u>beaverpond above</u>		

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



Holder in-the-Wall 35  
Bomb Pt 34  
Sheep Pt 7  
Manks I  
Cathart Rock

*ADD Stream*  
*228-30-18560-2007*

O R C A  
B A Y  
+ Hawkins - 10  
+ the pond #1.

T. 15 S.  
T. 16 S.  
60° 30' E.  
149° 23' 00" N.

(GORDOVA B-6)

# 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