

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

Olsen Bay 04

AWC Volume SE SC SW W AR IN USGS Quad Cordova C-5

Anadromous Water Catalog Number of Waterway 221-30-10514

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

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

For Office Use

Nomination # <u>94 216</u>	<u>[Signature]</u>	<u>11/9/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>ED Weins</u>	<u>11/11/94</u>
Both <u>X</u>	<u>2 Inoue</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	8-17-93	10			<input checked="" type="checkbox"/>
Dolly Varden - Adult	8-17-93			1	
Stickleback	8-17-93		100+		

**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:** This stream was surveyed by ADF&G Habitat and Restoration Division personnel as part of Stream Habitat Assessment Project No. R-37. A foot survey was conducted from the stream mouth to the upper extent of the salmon distribution. Salmon were visually identified and enumerated. The pond is approximately 80 meters in width. The stream is 2 meters in width at the mouth, one meter in width at the upper extent of the salmon distribution. Gradient is 1 percent.

Name of Observer (please print) Wesley Ghermley  
 Date: 10/6/93 Signature: Wesley Ghermley  
 Address: 333 Raspberry Rd.  
Anchorage AK

ALASKA DEPT. OF FISH & GAME

NOV 03 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: \_\_\_\_\_

# STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: Olson Bay  $\phi$ 4      QUAD: C5      STAGE: H(M)  
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)  
 DATE(s): 8/17/93      UTM ZONE: 6  
 GPS FILES: 8082016B

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

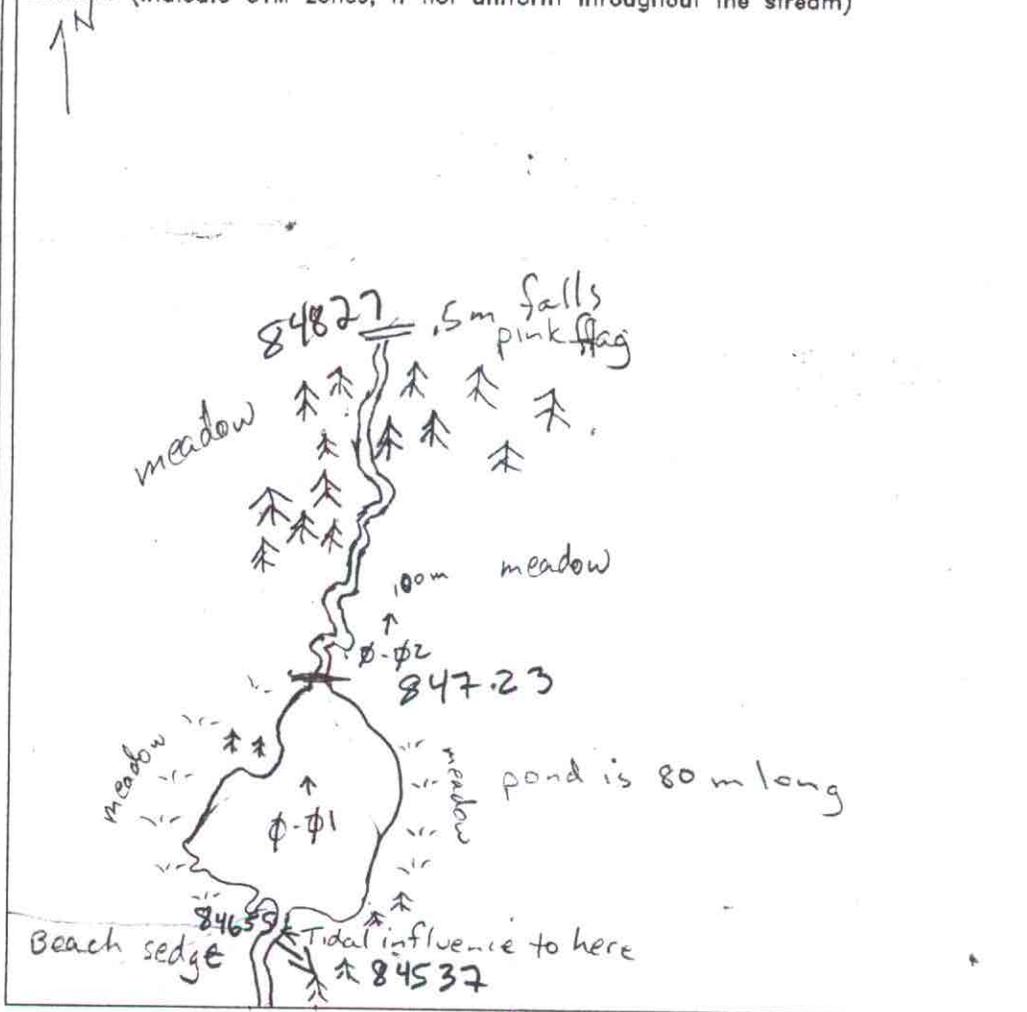


PHOTO ROLL(s):		VIDEO TAPE(s):	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)

# STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Olson Bay 4      SEGMENT: 0-01      DATE: 8/17/93      TEAM: Glynnley Gray  
 ANADROMOUS:       WIDTH (m): 80-80      LENGTH (m): 80      GPS DATE: 8/20/93      DIGITIZE:   
 WATERBODY: mainstem tributary  lake/pond      wetland      intertidal      other: \_\_\_\_\_

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
Pink	A	5	✓	At Entrance	CANADA GOOSE	15	SCARED OFF Pond
Stickleback	A	100+	✓		King Fisher	1	Fishing in Pond
					Widgeon	50	on Pond
					Black Bear		Fish eaten on bank
					Bald Eagle	1	in Tree at Pond
					Frog		on Pond bank

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

TOTAL BARRIER?       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>9</u>	<u>Pond</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: Olson Bay 4 SEGMENT: 0-0a DATE: 8/17/93 TEAM: Ghorvley Garry  
 ANADROMOUS: y WIDTH (m): 2-1 LENGTH (m): 100 GPS DATE: 8/20/93 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
Pink Stickleback	A	5	✓	close to pond	Black Bear	-	EATEN fish on bank
Dolly Varden	A	1	✓	in muskeg pond			

GRADIENT(%): 1 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 1  
 GRAVEL 2 SAND \_\_\_\_\_ MUD/SILT \_\_\_\_\_ ORGANICS 3 OTHER: \_\_\_\_\_  
 STREAM COVER TYPE: ORGANIC DEBRIS \_\_\_\_\_ DEAD BRANCHES/TWIGS ✓ LOGS ✓ BOULDERS \_\_\_\_\_  
 CUT BANK ✓ OVERHANGING VEGET. ✓ OTHER: \_\_\_\_\_  
 STREAM COVER ABUNDANCE: none low medium high

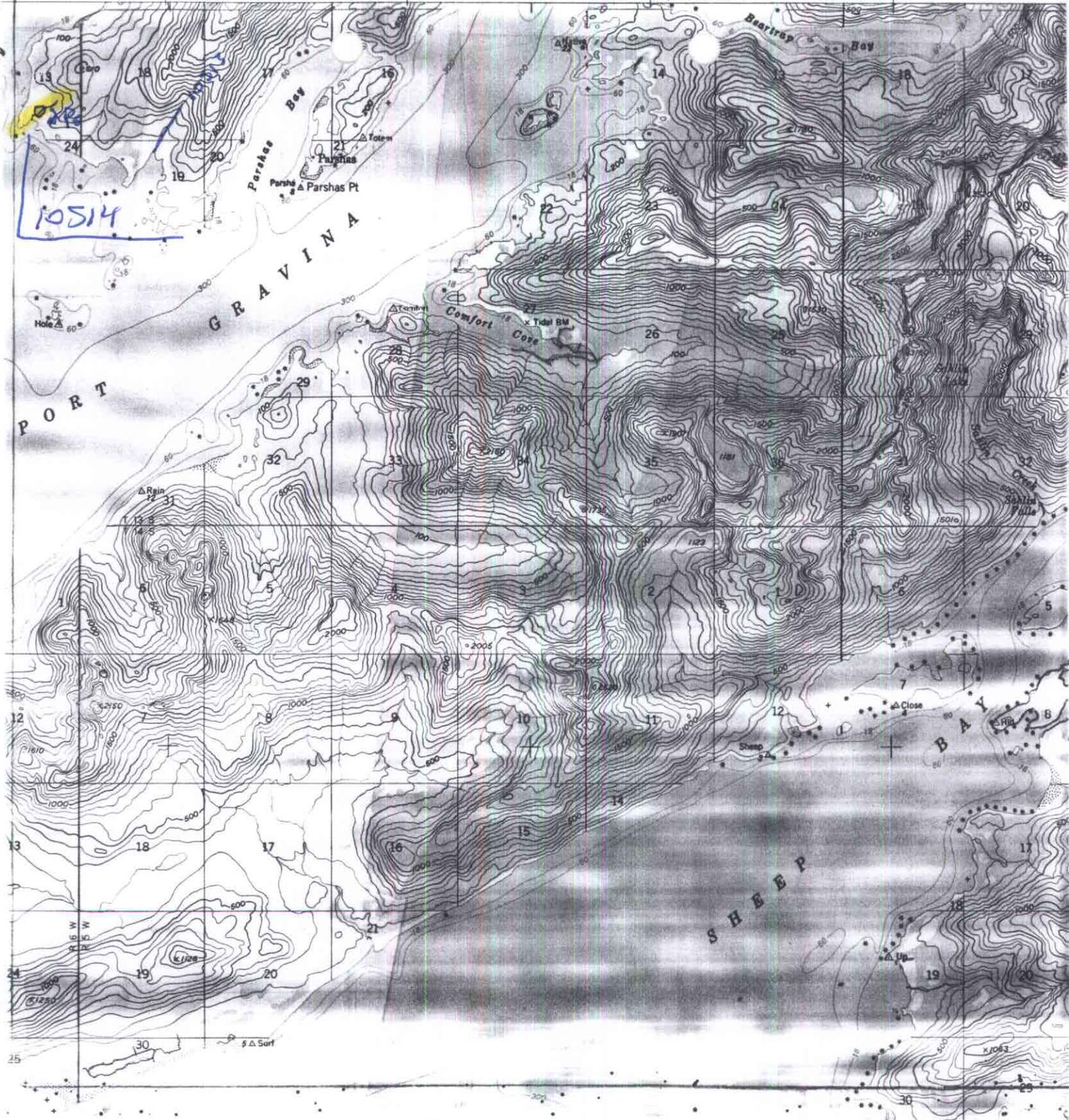
RIPARIAN VEGETATION (three most abundant plants in order of dominance) within 20m of the banks:  
 OVERSTORY: Sitka spruce Healock \_\_\_\_\_  
 UNDERSTORY: Alder Fern Grasses  
 CANOPY ABOVE STREAM: none low medium high  
 GROWTH: mature secondary shrubs meadow muskeg intertidal

TOTAL BARRIER? y BARRIER TO SPECIES: All adults juveniles  
 TYPE: fall slide beaverdam logjam spring substrate HEIGHT (m): 5 DIST. FROM UPPER EXTENT (m): 50

PHOTO ROLL(s): DG-01 VIDEO TAPE(s): \_\_\_\_\_

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>19</u>	<u>- start of seg - 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)



OLSEN-04  
Ps  
DVS

ADD STREAM

221-30-10514 w/ Ps

# 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