

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

ENGLISH BAY RIVER 241-30-10500 Segment E-01, 02
 (Wetland polygon)

AWC Volume SE SC SW W AR IN USGS Quad SELDOVIA - B5

Anadromous Water Catalog Number of Waterway 241-30-10500-0910

Name of Waterway ENGLISH BAY RIVER USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 293</u>	<u>[Signature]</u>	<u>11/8/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Wein</u>	<u>12/28/93</u>
Both <input checked="" type="checkbox"/>	<u>J. Drone</u>	<u>12/29/94</u>
Revision Code: <u>A-Z E1</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho Salmon-juvenile	09/19/93		161		<input checked="" type="checkbox"/>
Dolly Varden-juvenile	09/19/93			32	

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: The Coho juveniles were electroshocked during spot-checks along the perimeter of an extensive wetland area (~1 mile x 1/2 mile) along English Bay River. The overall gradient is 21%, cover is high under cut banks + nearly 100% overhanging vegetation. The wetland polygon is riddled with small water veins and appears to be a highly productive Coho rearing area. The Coho count represents only fish captured at the fringe of the wetland.

ALASKA DEPT. OF FISH & GAME
 REGION II HABITAT AND RESTORATION DIVISION

Name of Observer (please print) KATHALIN SUNDET
 Date: 10/29/93 Signature: Kathalin Sundet
 Address: 330 RASBERRY ANCHORAGE AK 99518

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

241-30-10500

STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: English River E SEGMENT: E-01 DATE: 9/19/93 TEAM: KCS/WG
 ANADROMOUS: y n WIDTH (m): 1.5 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>Dolly Varden</u>	<u>J</u>	<u>1</u>	<u>E</u>				
<u>Chinook</u>	<u>J</u>	<u>6</u>	<u>E</u>				
<u>GOHO</u>	<u>J</u>	<u>10</u>	<u>V</u>				

GRADIENT(%): 0-5 CHANNEL PROFILE: V (B) U U U U U
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: (rank three most predominant types) BEDROCK _____ BOULDER _____ RUBBLE _____ COBBLE _____
 GRAVEL _____ SAND _____ 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: _____
 UNDERSTORY: Grasses willow _____
 CANOPY ABOVE STREAM: none low medium high
 GROWTH: mature secondary shrubs meadow muskeg intertidal

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

PHOTO ROLL(s): Home 13 VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>16</u>	<u>upper extent vegetation</u>		

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

Meadow, grass environment, Colho for
to upper extent at Spring.

241-30-10500
 STREAM HABITAT ASSESSMENT 1993 - SEGMENTS

STREAM: Engle River SEGMENT: E-02 DATE: 9/14/93 TEAM: DG-JB
WG-KS
 ANADROMOUS: WIDTH (m): 300-500 LENGTH (m): 1000 GPS DATE: —/—/— 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
<u>CATFISH</u>	<u>J</u>	<u>145</u>	<u>E</u>	<u>spot-checks</u>	<u>COYOTE</u>	<u>2</u>	<u>BARKING</u>
<u>IN</u>	<u>J</u>	<u>31</u>	<u>E</u>	<u>spot-checks</u>	<u>MOOSE</u>		<u>TRACKS</u>

GRADIENT(%): 0 CHANNEL PROFILE: V (C) U U V U U
 A B C D E F
 CHANNEL PATTERN: single multi braided
 STREAM SUBSTRATE: BEDROCK BOULDER RUBBLE COBBLE
 (rank three most predominant types) 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:
 UNDERSTORY: Grosses willow
 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):

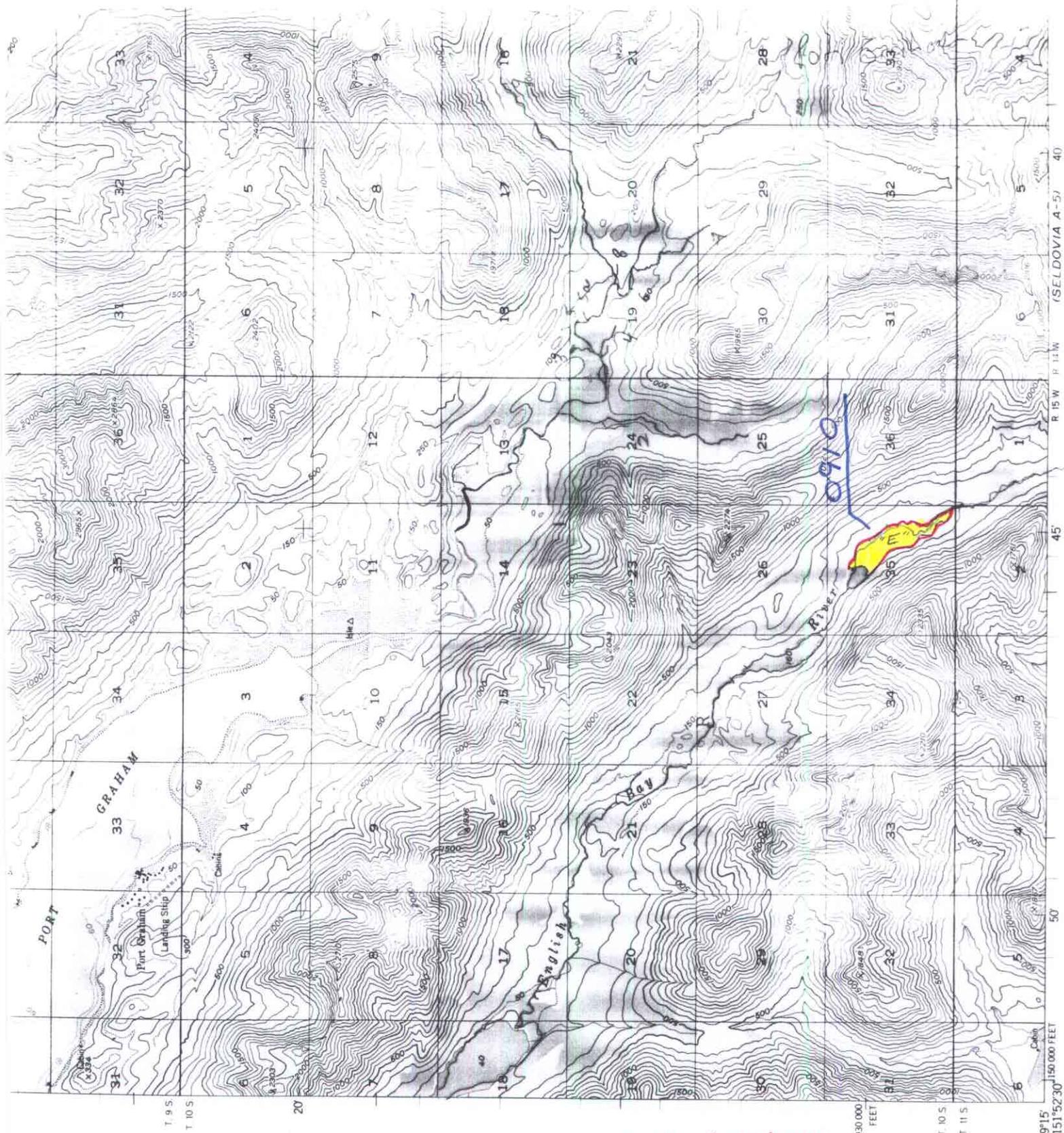
PHOTO ROLL(s): HOMER-03 VIDEO TAPE(s):

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>9,10</u>	<u>Aerials of polygons</u>		
<u>16</u>	<u>upper extent of a wetland to b</u>		

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

This segment is a compilation of spot checks
for Coho salmon conducted ^{by both sections} throughout the
wetland area above Lake 4. On the
so ^{west} northeast side, the wetland polygon is
flanked by ^{tribe} stream E, which was later
designated as part of the wetland.

The perimeter of the wetland on both
sides of the ~~the~~ mainstem was determined
by the extent of small waterways within
60 feet of one another. We spot-checked
along the perimeter of the wetland
through electroshocking and counted a
total of 115 coho. No attempt was made
to estimate the numbers of Coho fry within
the polygon. It appears to be a highly
productive rearing area, riddled with
small interconnecting waterways.



241-30-10500 Wetland-polygon
 "E-01" + "E-02"

ADD POLYGON 241-30-10500-0910 w/ COR

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 ^{KS}
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 74 streams surveyed in the fall of 1993 on private lands held by the Port Graham, English Bay and Seldovia Native Corporations on the outer Kenai Peninsula.

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

ALASKA DEPT. OF
FISH & GAME

NOV 03 1993

REGION II
HABITAT AND RESTORATION
DIVISION