

AWC Volume SE SC SW W AR IN USGS Quad Seward B-3

Anadromous Water Catalog Number of Waterway 225-30-15110-2066

Name of Waterway _____ USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

| | | |
|--|---------------------|-----------------|
| Nomination # <u>94 119</u> | <u>[Signature]</u> | <u>1/14/94</u> |
| Revision Year: <u>'94</u> | Regional Supervisor | Date |
| Revision to: Atlas _____ Catalog _____ | <u>Ed Wiers</u> | <u>12/25/93</u> |
| Both <input checked="" type="checkbox"/> | <u>2. Inoue</u> | <u>2/3/94</u> |
| Revision Code: <u>A-22</u> | Drafted | Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Migration | Anadromous |
|--------------------------------|------------------|-----------|---------|-----------|------------|
| <u>Sockeye Salmon - Adults</u> | <u>8-27-93</u> | <u>30</u> | | | <u>✓</u> |
| <u>Dolly varden - Juvenile</u> | <u>8-8-93</u> | | | <u>2</u> | |
| | | | | | |
| | | | | | |

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: Sockeye Salmon were visually identified and enumerated. Dolly varden were captured by electroshocking. The upper extent of the sockeye distribution on 8-27-93 was found to be approx. 20m below the barrier. The substrate barrier is 2 meters in height. Stream width is 4 meters at the mouth, 1.5 meters at the upper extent. Gradient is 1 percent.

ALASKA DEPT. OF FISH & GAME
 Name of Observer (please print) KATHARIN SUNDET
 Date: 10/26/93 Signature: Katharin Sundet NOV 02 1993
 Address: 333 RASPBERRY ANCHORAGE AK 99518
 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: _____ Rev. 7/93

Kathryn —
 How far up ST
 Do the SO
 DV — Adult
 almost
 to 90° bend
 the right ~ 70m

STREAM HABITAT ASSESSMENT 1993 — SEGMENTS

STREAM: ESHAMY-20 SEGMENT: 0-01 DATE: 08/02/93 TEAM: WG/KS
 ANADROMOUS: y n WIDTH (m): 4.0-1.5 LENGTH (m): _____ GPS DATE: ___/___/___ DIGITIZE: y n
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: _____

8-27
 JB/KS

| FISH | | | | | WILDLIFE | | |
|---------|---------------|-------|----------------|----------|------------|-------|----------|
| SPECIES | STAGE (A J U) | COUNT | METHOD (E V D) | COMMENTS | SPECIES | COUNT | COMMENTS |
| SCULPIN | A | 2 | E | | BEAR TRACK | - | TRACKS |
| SOCKEYE | A | 30 | V | 2 JACKS | | | |
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GRABIENT(%): 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 _____ 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: SPRUCE HEMLOCK _____
 UNDERSTORY: BLUEBERRIES GRASSES ALDER

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): 2 DIST. FROM UPPER EXTENT (m): _____

PHOTO ROLL(s): KS 02 VIDEO TAPE(s): WG-01

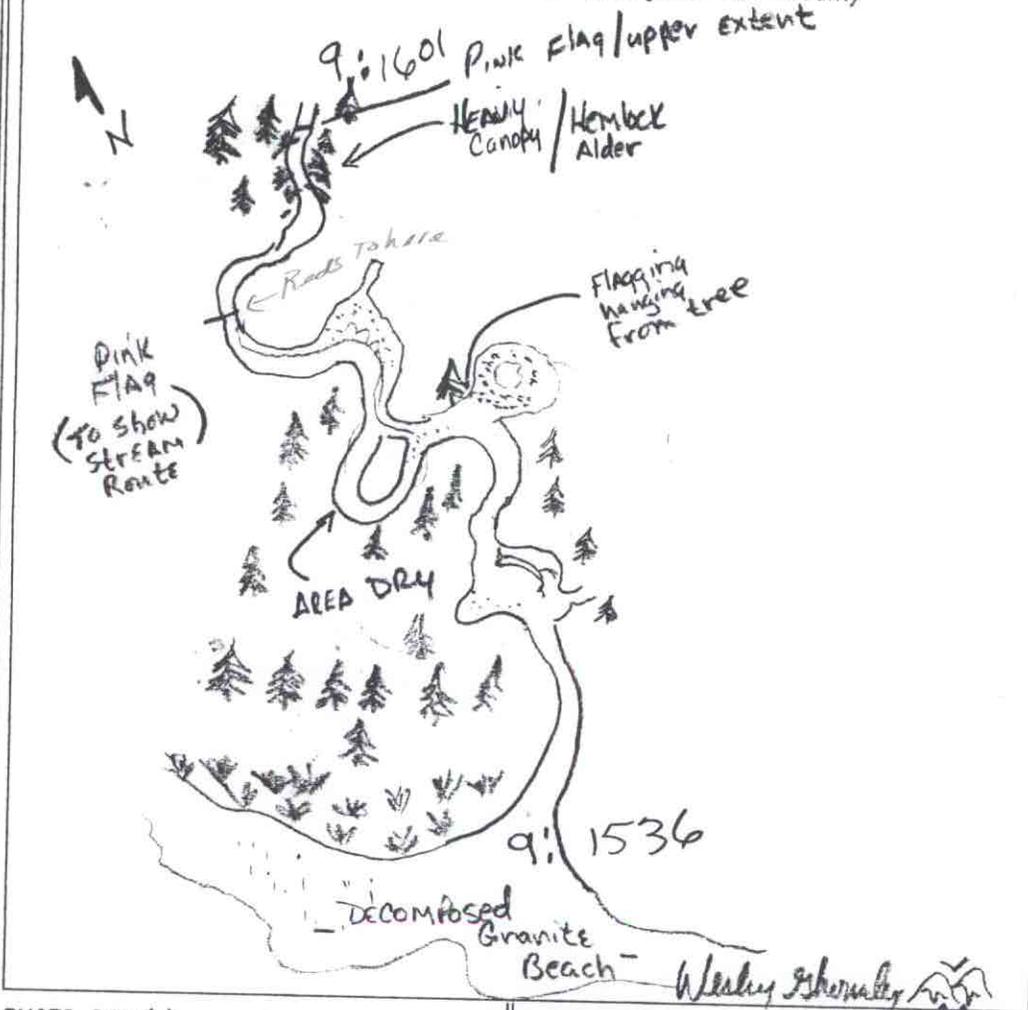
| FRAME | DESCRIPTION | DATE | DESCRIPTION |
|-------|----------------------------|-------|-------------|
| 27 | Start of steep boulder run | 08/93 | extent. |
| 28 | typical portion of segment | | |
| | | | |
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Substrate: Bedrock (solid) Boulder >1' Rubble 6-12" Cobble 2-6" Gravel .1-2" Sand <.1"
 (Please enter comments on the other side)

STREAM HABITAT ASSESSMENT 1993 - STREAMS

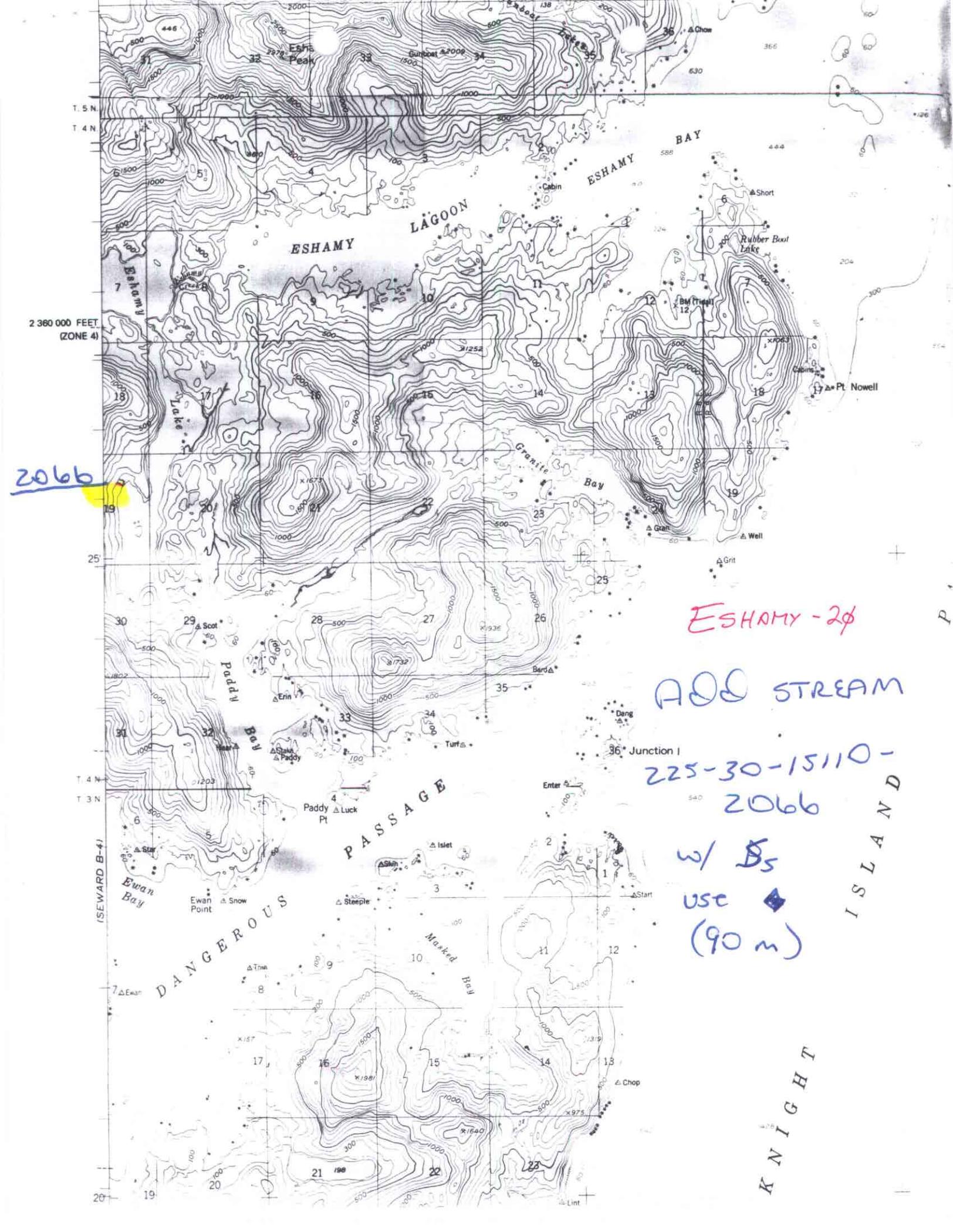
STREAM: ESTHAMY 20 QUAD: Seward B-3
0-01 STAGE: H M (L)
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 8/8/93 UTM ZONE: _____
 GPS FILES: RO81017E

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



| PHOTO ROLL(s): _____ | | VIDEO TAPE(s): <u>WG1001</u> | |
|----------------------|-------------|------------------------------|-------------------------------------|
| FRAME | DESCRIPTION | DATE | |
| | | <u>8/8/93</u> | <u>Decomposed Granite substrate</u> |
| | | | <u>0601</u> |
| | | <u>8/29/93</u> | <u>Sockeye on granite</u> |
| | | | <u>stream bed</u> |

(Please enter comments on the other side)



2 360 000 FEET
(ZONE 4)

2066

ESHAMY - 2φ

ADD STREAM

225-30-15110-
2066

w/ Bs
use 
(90 m)

ISLAND

KNIGHT

DANGEROUS

PASSAGE

Marked Bay

ESHAMY BAY

ESHAMY

LAGOON

Granite Bay

Paddy Bay

Ewan Bay

T 5 N

T 4 N

T 4 N

T 3 N

(SEWARD B-4)

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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 2, 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 46 streams surveyed in the summer of 1993 on private lands held by the Chenega and Chugach Alaska Corporations in southwest 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.

cc: Lance Trasky
Don McKay
Mark Kuwada