

AWC Volume SE SC SW W AR IN USGS Quad Seldovia B-5

Anadromous Water Catalog Number of Waterway 241-20-10550-2014

Name of Waterway _____ USGS name _____ Local name _____

Addition Deletion _____ Correction _____ Backup Information _____

For Office Use

Nomination # <u>94 274</u>		<u>1/19/94</u>
Revision Year: <u>94</u>	Regional Supervisor	Date
Revision to: Atlas _____ Catalog _____	<u>Ed Weins</u>	<u>12/25/93</u>
Both <input checked="" type="checkbox"/>	<u>Z. Irone</u>	<u>1/28/94</u>
Revision Code: <u>A-2</u>	Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
<u>Sockeye Salmon - Adult</u>	<u>9-20-93</u>	<u>1</u>			<input checked="" type="checkbox"/>
<u>Coho Salmon - Juvenile</u>	<u>9-20-93</u>		<u>30</u>		<input checked="" type="checkbox"/>
<u>Dolly Varden - Adult</u>	<u>9-20-93</u>	<u>2</u>			<input checked="" type="checkbox"/>
<u>Dolly Varden - Juvenile</u>	<u>9-20-93</u>			<u>3</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: Upper extent of salmon distribution is indicated on the attached sketch map. Stream width ranges from 7 meters at the mouth to 3 meters at the upper extent of salmon distribution. Gradient is 2 percent. Predominant stream substrate is sand, mud/silt and gravel. No barrier was observed. Good rearing habitat.

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Name of Observer (please print) KATHAIRD SUUDET

Date: 10/29/93

Signature: Kathaird Suudet

Address: 333 RASPBERRY

ANCHORAGE AK 99518

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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: ~~GRAHAM-01~~ 241-20-10550 SEGMENT: 1-01 DATE: 09/20/93 TEAM: LGL/KCS
 ANADROMOUS: y/n WIDTH (m): 7.3 LENGTH (m): _____ GPS DATE: ___/___/___ DIGITIZE: y/n
 WATERBODY: mainstem tributary lake/pond wetland intertidal other: _____

Any more
 info to
 confirm
 Anad.
 DV. ? YES.
 LG., sprinkling
 color, near
 mouth

FISH					WILDLIFE		
SPECIES	STAGE (A J U)	COUNT	METHOD (E V D)	COMMENTS	SPECIES	COUNT	COMMENTS
Cobble	A	1	✓	DEAD	Water Weasel	1	tracks
Cobb	A	15	E	+	MOOSE		
DV	A	2	V	anadromous	Spring grouse	1	
Sulpia	A	1	E				
DV	J	3	E				
Who	J	15	V				

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 3 SAND 1 MUD/SILT 2 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: _____
 UNDERSTORY: GRASSES WILLOW SALMONBERRY
 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): HORNER-P3 VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE	DESCRIPTION
<u>23</u>	<u>mid-segment</u>		
<u>24</u>	<u>" "</u>		
<u>25</u>	<u>old cabin</u>		
<u>26</u>	<u>upper extent area</u>		

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

Do NOT ENTER

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: GRAHAM - 01 QUAD: Saldonia B-5 STAGE: H M L
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): _____ UTM ZONE: _____
 GPS FILES: B092200A

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

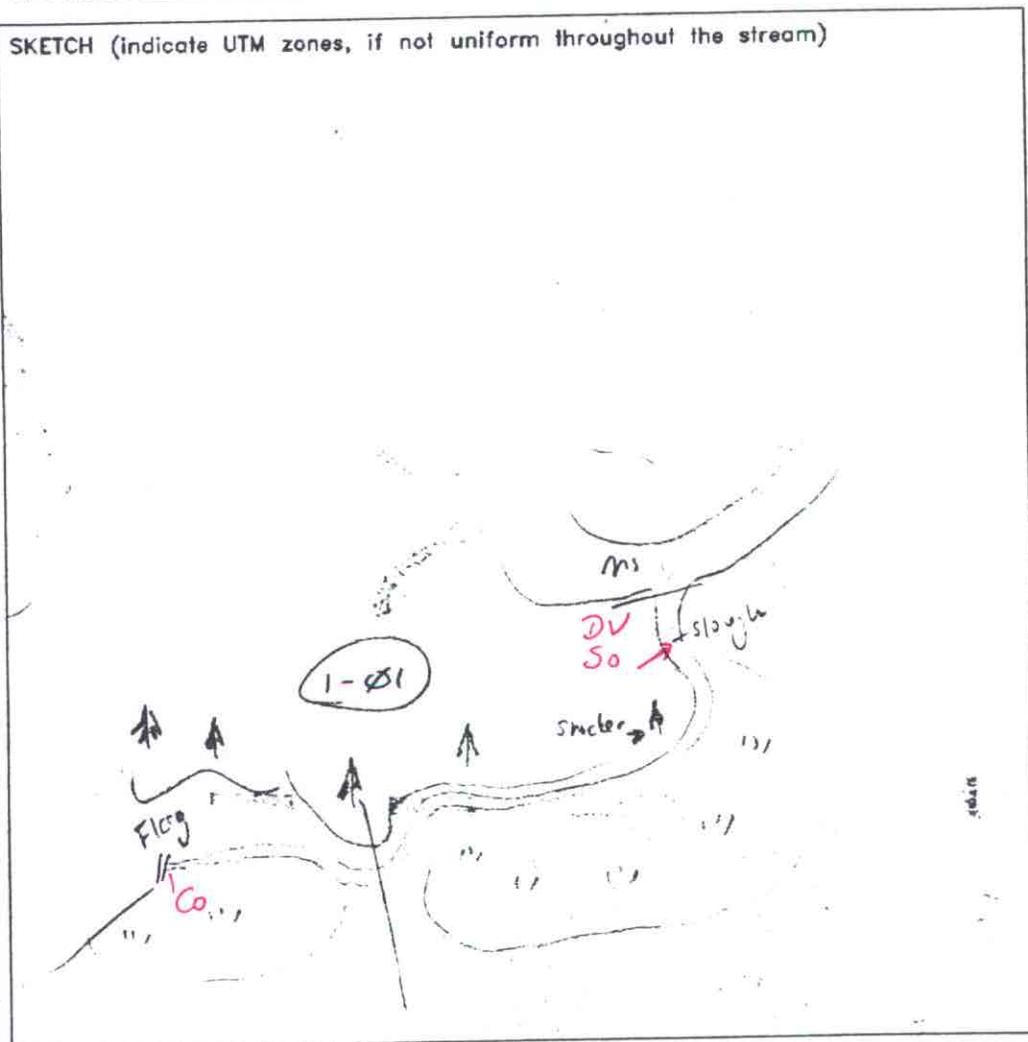
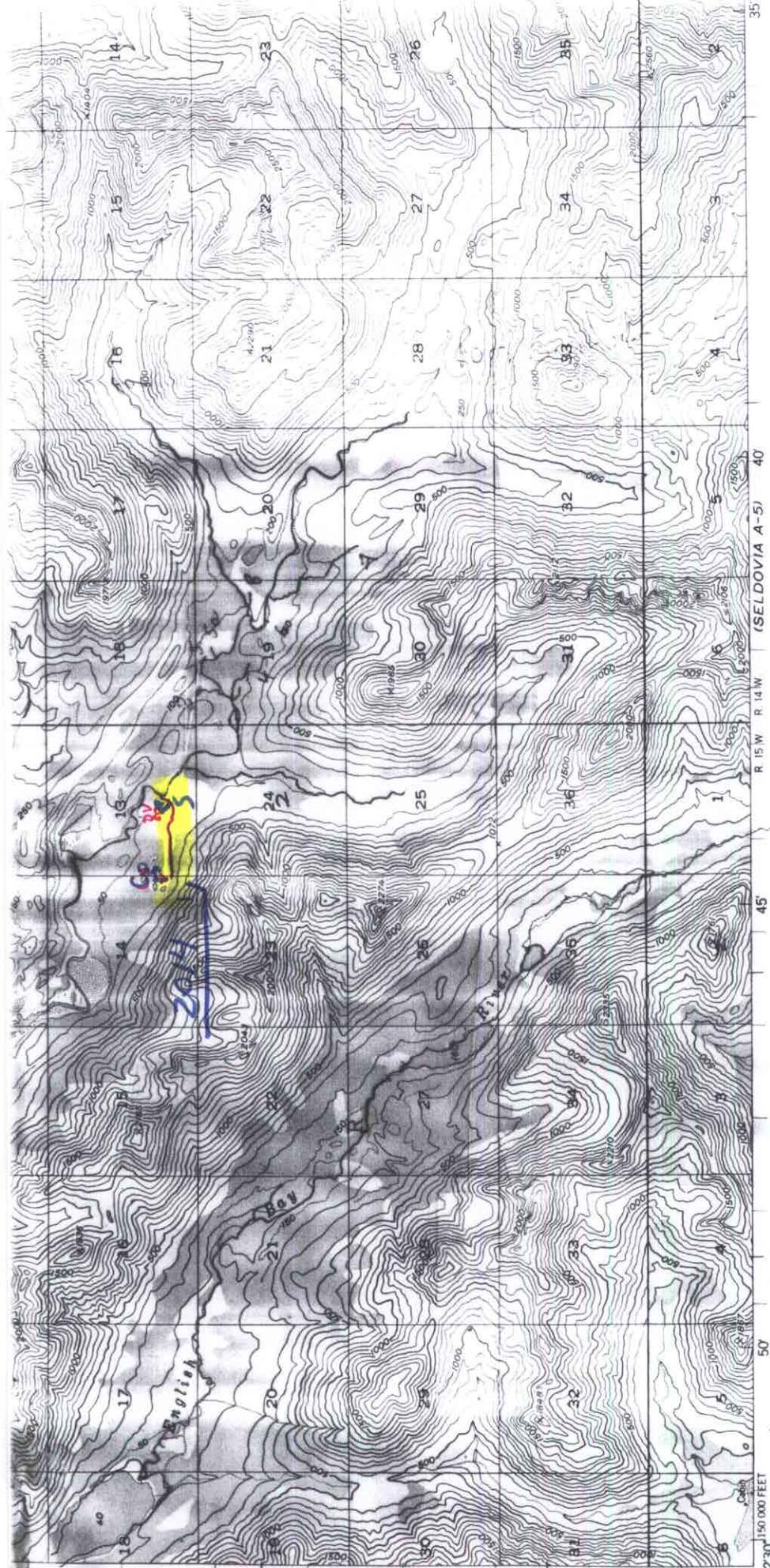


PHOTO ROLL(s): _____		VIDEO TAPE(s): _____	
FRAME	DESCRIPTION	DATE	

(Please enter comments on the other side)



1:930,000 FEET
 T. 10 S
 T. 11 S
 59°15'
 151°52'30" (SELDOVIA A-5)
 R. 15 W R. 14 W
 40 45 50
 150,000 FEET
 SCALE 1:63,360
 4 MILES
 21,000 FEET
 7,000 METERS
 QUADRANGLE LOCATION

CONTOUR INTERVAL 100 FEET
 DOTTED LINES REPRESENT 50 FOOT CONTOURS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 DEPTH CURVES AND SOUNDINGS IN FEET - DATUM IS MEAN LOW
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 15 FEET

FOR SALE BY U.S. GEOLOGICAL SURVEY
 FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ADD STREAM
 241-20-10550-2014
 w/ COR
 241-20-(10550 1-01 (Trib 1) 50s
 COR
 DV se

Mapped, edited, and published by the Geological Survey
 Control by USC&GS and USCE
 Topography by photogrammetric methods from aerial photographs
 taken 1951, field annotated 1951. Map not field checked
 Selected hydrographic data compiled from USC&GS Charts
 8531 and 8589. This information is not intended for
 navigational purposes
 Universal Transverse Mercator projection. 1927 North American datum
 10,000-foot grid based on Alaska coordinate system, zone 4
 1000-meter Universal Transverse Mercator grid ticks,
 zone 5, shown in blue
 Gray land lines represent unsurveyed and unmarked locations
 predetermined by the Bureau of Land Management.
 Folio S-16, Seward Meridian
 Swamps, as portrayed, indicate only the wetter areas,
 usually of low relief, as interpreted from aerial photographs
 Lake elevations are unchecked

STREAM HABITAT ASSESSMENT 1993 - STREAMS

STREAM: 241-20-10550 QUAD: Seldaira-B STAGE: H M
 LANDOWNER: Chenega CAC Eyak Tatitlek Pt. Graham English Bay (circle one)
 DATE(s): 9/20/93 - 9/22/93 UTM ZONE: 5
 GPS FILES: B092205A-J (repeat)

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

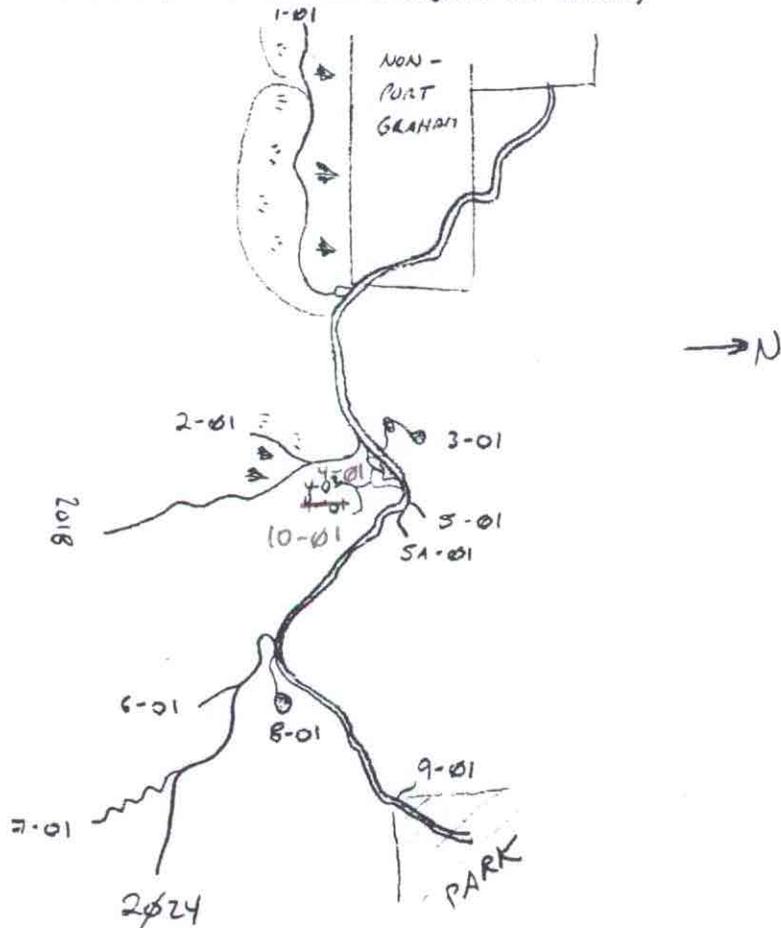


PHOTO ROLL(s): _____ VIDEO TAPE(s): _____

FRAME	DESCRIPTION	DATE

(Please enter comments on the other side)

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

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