



State of Alaska
Department of Fish and Game
Habitat and Restoration Division

Nomination for Waters
Important to Anadromous Fish

Region SOUTHWEST

USGS Quad Kodiak B-1 & B-2

Anadromous Water Catalog Number of Waterway 259-41- 10005

Name of Waterway _____ USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>98-250</u>	<u>[Signature]</u> Regional Supervisor	<u>1/8/98</u> Date
Revision Year: <u>1998</u>	<u>[Signature]</u> AWC Project Biologist	<u>12/18/97</u> Date
Revision to: Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> Drafted	<u>1/14/98</u> Date
Revision Code: <u>A-2</u>		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Char	9/8 & 28/1994		55 & 59		<input type="checkbox"/>
Coho Salmon	9/28/94		6		<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input 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 other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: See attached documentation provided by Wayne Dolezal Habitat Biologist, ADF&G, Anchorage. Sampling was conducted by Environment and Natural Resource Institute(ENRI) as part of baseline environmental studies for the Narrow Cape Launch Facility.

Sampled to approximately 100 feet upstream of road crossing. Old wooden box culvert under road. (Per Comm. Michael Kelly, 12/18/97).

98 250

ALASKA DEPT. OF
FISH & GAME
DEC 23 1997
REGION II
HABITAT AND RESTORATION
DIVISION

Name of Observer / Submitter: Michael Kelly / Wayne Dolezal
Signature: [Signature]
Address: ADF&G, 333 Raspberry Road
Anchorage, AK 99518-1599

Date: 12/19/97

This certifies that in my best professional judgment 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: _____

*ENVIRONMENTAL BASELINE OF
NARROW CAPE, KODIAK ISLAND, ALASKA*

Prepared by

ENRI

ENVIRONMENT AND NATURAL RESOURCES INSTITUTE
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257-2700

for

ALASKA AEROSPACE DEVELOPMENT CORPORATION
3601 C STREET, ANCHORAGE, ALASKA 99503

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Table 10. Summary of capture information for fish caught in Narrow Cape streams, 1994.

Location	Date	Method	No. of Sets	Species*	Effort (hr)	No. of Fish	Length (mm)	CPU (fish/hr)
Trib #1	9/8	Minnow trap	1	CHAR	4	55	50-120	13.75
	9/8	Visual		CHAR		N*		
	9/28	Minnow trap	2	CHAR	2	59	55-95	29.50
				COHO		6	40-50	3.00
Trib #2	9/8	Minnow trap	1	CHAR	4	3	60-90	0.75
	9/8			COHO	4	4	50-75	1.00
	9/8	Visual		CHAR		N*		
	9/28	Minnow trap	3	CHAR	3	86	50-120	28.67
				COHO		22	40-80	7.33
				SCUL		2		
Trib #3	9/8	Visual		CHAR		N*		
	9/28	Minnow trap	1	CHAR	1	6	60-110	6.00
Trib #4	9/27	Minnow trap	1	CHAR	1	21	50-110	21.00
				STBK		2		

* CHAR = Dolly Varden Char
 COHO = Coho Salmon

SCUL = Sculpin
 STBK = Stickleback

N* = Numerous

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Dr. Ed West, Environment and Natural Resources Institute, Alaska Natural Heritage Program

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CULTURAL RESOURCE SURVEY OF THE PROPOSED ALASKA ORBITAL LAUNCH COMPLEX, KODIAK ISLAND, ALASKA

Alan DePew, Rachel Joan Dale, and Charles E. Holmes, Office of History and Archaeology, Division of Parks and Outdoor Recreation, Alaska Department of Natural Resources

APPENDIX 8

ESTIMATED HARVEST AND USE OF FISH, GAME, AND PLANT RESOURCES, KODIAK, ROAD-CONNECTED AREAS, 1991

Alaska Department of Fish and Game, Division of Subsistence, Household Surveys, 1992

During September 1994 ENRI surveyed the waters on Narrows Cape to verify or extend upon current knowledge for the area. The study area comprised all flowing waters east of Lupin Lake and south of Barry Lagoon (Figure 2). The study concentrated on four small streams draining south into the Gulf of Alaska (Figure 2).

Two surveys were conducted during September 1994. Fish presence was documented by direct observation and trapping with wire minnow traps baited with commercially-prepared salmon eggs. Minnow traps were fished one to four hours in a number of habitats in each stream. All captured fish were identified and enumerated. Approximate fork lengths were measured to the nearest mm.

Dolly Varden juveniles were numerous and captured in all four streams (Table 10). Coho juveniles were captured in streams 1 and 2. Sculpin were captured in stream 2 and stickleback in stream 4. No adult fish were seen in any streams. The caretaker of the small church camp next to stream 2 stated that there were adult coho in the stream last year. In streams 1 and 2 fish were captured both up and downstream of the road crossings. This was somewhat surprising for stream 2 as the culvert is perched. The identification of juvenile coho salmon in streams 1 and 2 is new for this area and will subsequently be added to the ADF&G anadromous stream catalog.

In addition to stocked rainbow trout, stickleback were found in Twin Lake.

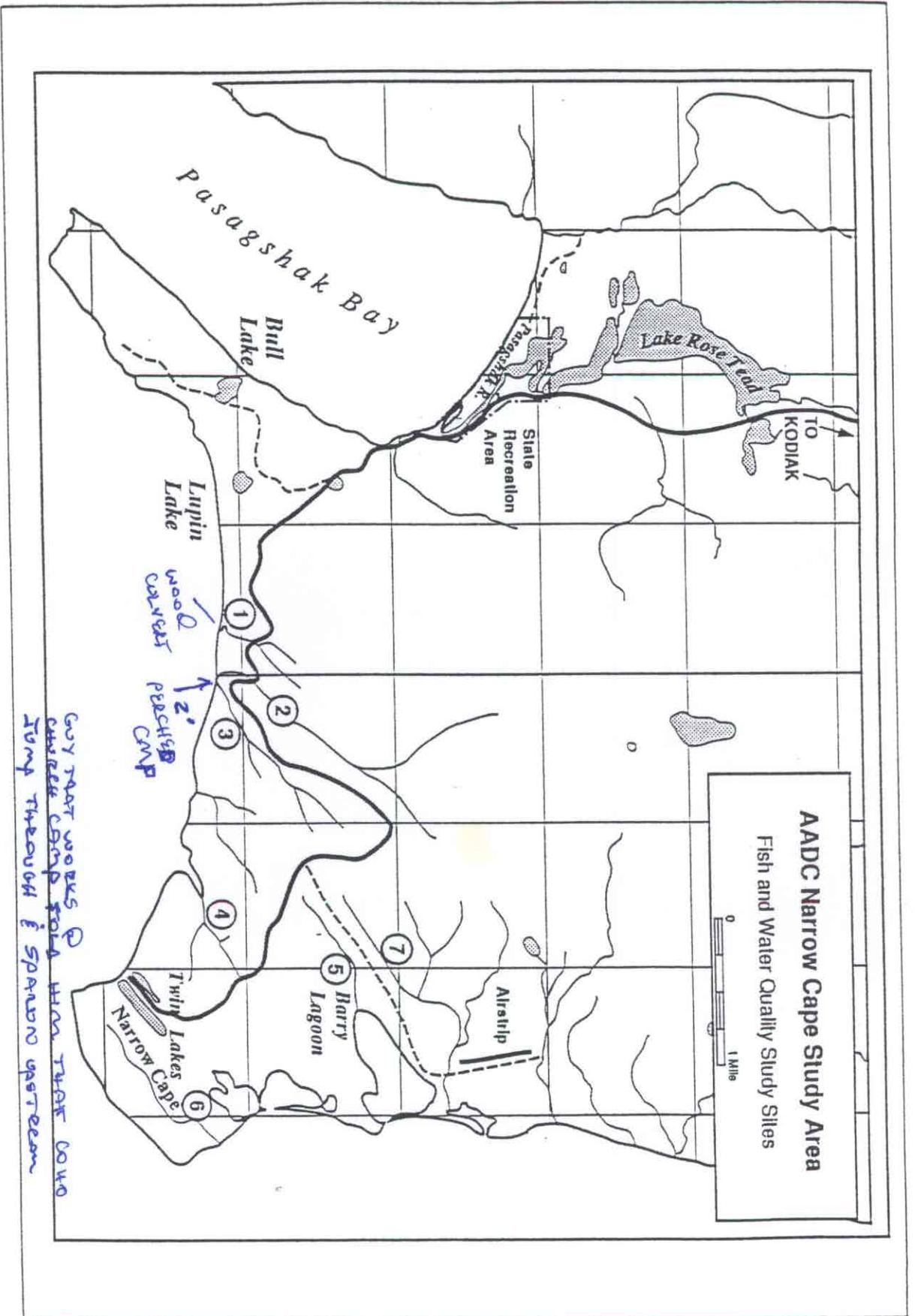


Figure 2. Fish and water quality study sites in the AADC Narrow Cape Study Area.

2014

25° R 20 W R 19 W

20' (KODIAK C-1)

840 000 FEET 152'15"

259-30

259-30

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259-41

259-41

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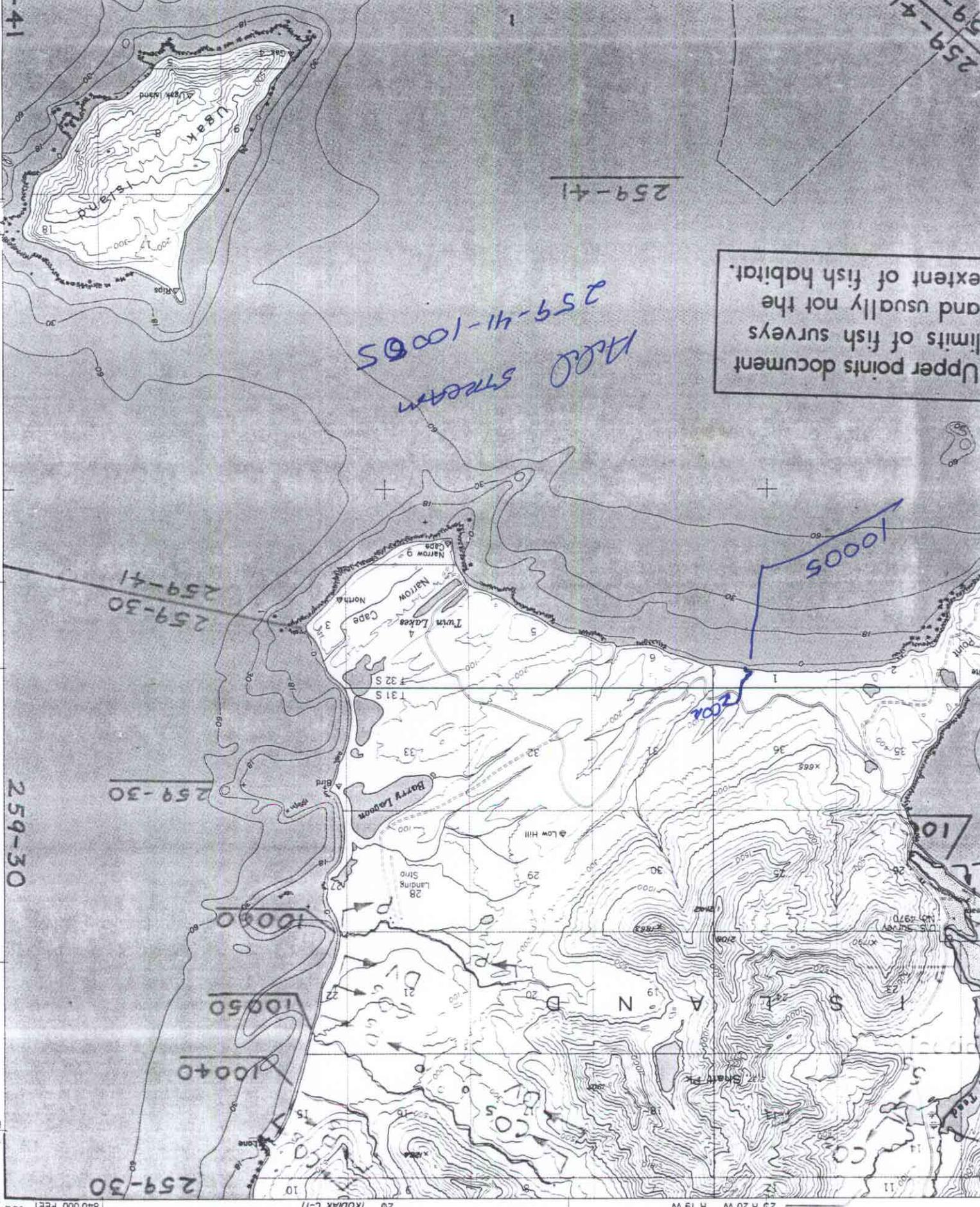
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Upper points document
limits of fish surveys
and usually not the
extent of fish habitat.

1000 STREAM
259-41-1000S

10000

1000