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

ALASKA DEPT. OF FISH & GAME

DEC 17 1996

REGION II
HABITAT AND RESTORATION DIVISION

Region: SOUTHWEST

USGS Quad: Kodiak C-2

Anadromous Water Catalog Number of Waterway: 259-24-10051

Name of Waterway: ☐ USGS Name ☐ Local Nam

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #	97 023		
Revision Year:	-97	Regional Supervisor	1/14/97 Date
Revision to:	Atlas ____ Catalog ____	AWC Project Biologist	4/25/97 Date
	Both X		
Revision Code:	A-Z	Drafted	12/4/97 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	7/15/96	Probable	Yes	Yes	☑
					☐
					☐
					☐
					☐

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: Site sampled during ADF&G, Habitat and Restoration Division's participation in a Forest Practices inspection of Leisnoi's timber harvest operation. Although all three Chiniak Highway culverts were perched, juvenile coho salmon were found both downstream and upstream of the road. The high quality spawning and rearing habitat, the presence of small juvenile coho (range 38 - 83 mm FL; n = 8 ave. = 55 mm FL; (age-0. n = 4, ave. 42 mm FL; age1. n = 4, ave. 68 mm FL)), and lack of direct access to other known spawning habitat suggests the high probability that this stream provides coho salmon spawning habitat. This stream is tributary to Myrtle Creek only at low water (intertidal channels intersect near mean low water. See the attached survey form and aerial photo for details.

Name of Observer (please print): Michael Wiedmer, Habitat Biologist

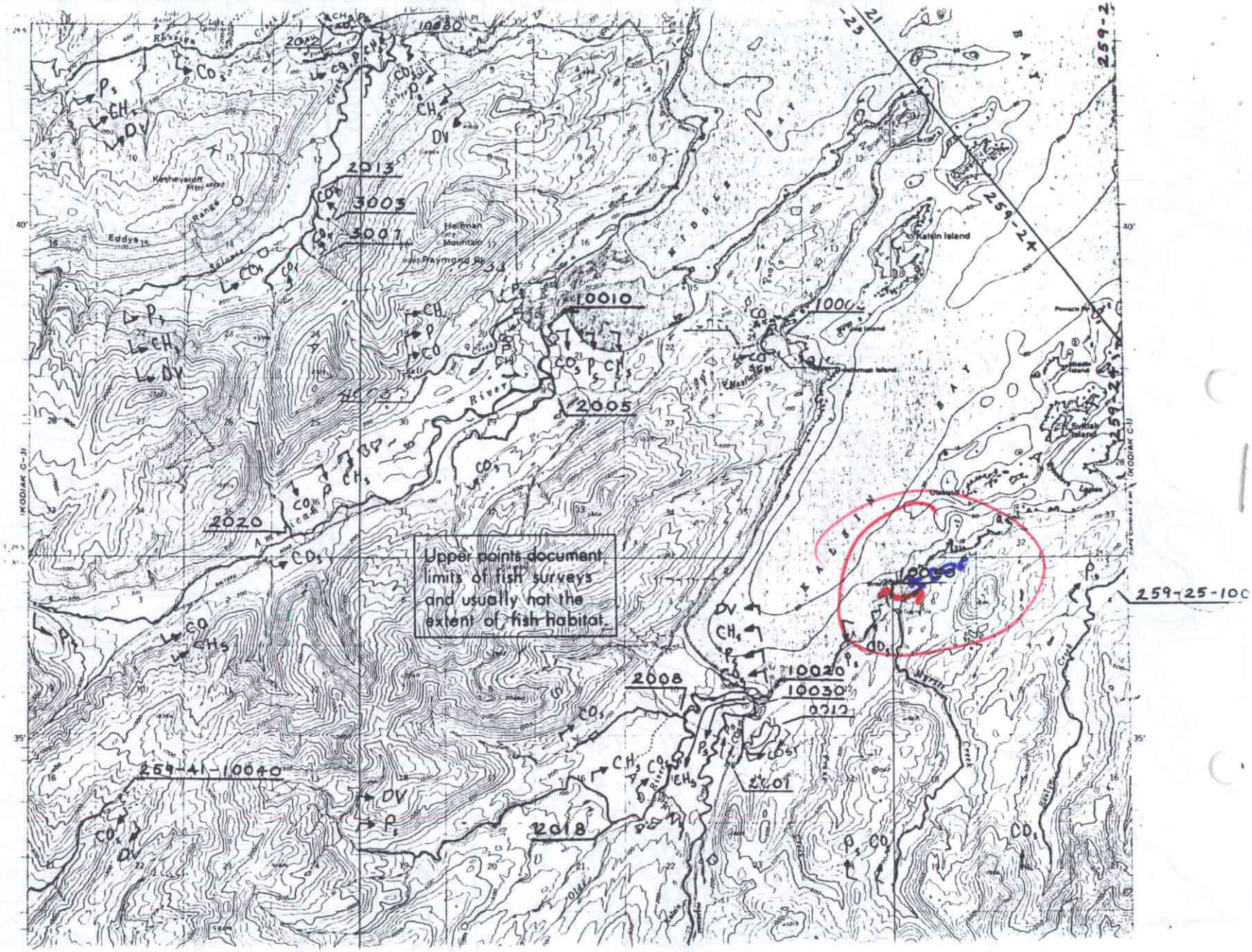
Date: 12/17/96 Signature: Michael Wiedmer

Address: Alaska Department of Fish and Game
333 Raspberry Road, Anchorage, AK 99518

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: _____

Revision 11/96


Upper points document limits of fish surveys and usually not the extent of fish habitat
259-25-10C
259-24-10051 w/ CO2

FISH HABITAT SURVEY FORM

Rev. 7/9/96

SURVEY AREA: KODIAK - CHINIAK RD.

STATION NO: 1-A-1 DATE: 7/15/96 TIME: 1245

OBSERVERS: MW TEAM: A B STREAM NO:

GPS COORDINATES: Lat. Long.

WEATHER: (CLEAR) PRT. CLDY. CLOUDY

STREAM STAGE: HIGH (MEDIUM) LOW

PRECIP: TODAY 0 YESTERDAY 0 THIS WEEK 1.5"

TEMP: AIR 61°F WATER 40°F

STREAM GRADIENT: <1 %

WATER CLARITY: (CLEAR) STAINED TURBID MUDDY MURKY

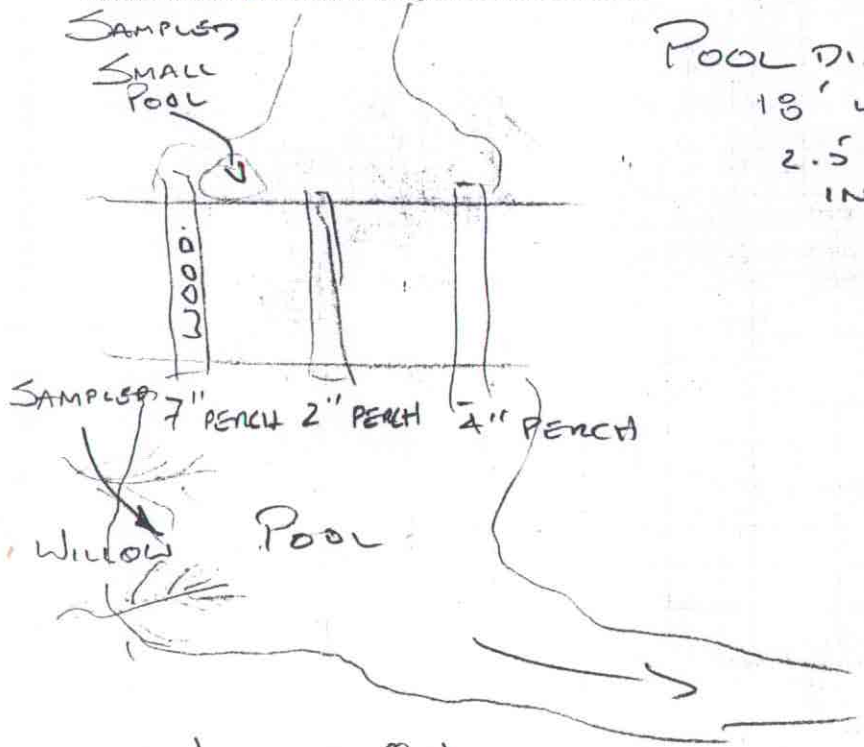
SUBSTRATE COMPOSITION (%): MUD ___ SAND ___ GRAVEL 75 COBBLE 25 BLDR/B-ROCK ___ 100%

STREAM DIMENSIONS (ft): WIDTH 20 DEPTH, LEFT BANK 0 DEPTH, RIGHT BANK 0 DEPTH, MID-CHANNEL 0.6

VELOCITY: None (fps 0) Slow (0-1) (Medium 1-3) Fast (3+)

MEASURED VELOCITY: ___

CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):



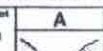
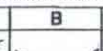
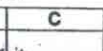
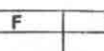
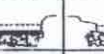
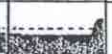
POOL DIMENSIONS
10' WIDE
2.5' DEEP IN CENTER

ROLL NO. 1 FRAME NOS. 0-1

Road ___ Unit ___ Section SW 1/4 TWN 30S RNG 19W Culvert length ___ ft
Slope 1-2% Culvert Substrate ___ in Culvert Diam. ___ ft Depth of Substrate ___ ft Depth of Water at Outlet ___ ft Velocity ___ fps
Height of Perch ___ ft Pool Depth ___ ft Comments:

TRIB. OF MYRTLE CK.

CIRCLE DOMINANT CHANNEL TYPE:

Dominant Bed Material	A	B	C	D	DA	E	F	G
1 BEDROCK								
2 BOULDER								
3 COBBLE								
4 GRAVEL								
5 SAND								
6 SILT/CLAY								
ENTRH.	<1.4	1.4-2.2	>2.2	N/A	>2.2	>2.2	<1.4	<1.4
SIN.	<1.2	>1.2	>1.4	<1.1	1.1-1.6	>1.5	>1.4	>1.2
W/D	<12	>12	>12	>40	<40	<12	>12	<12
SLOPE	.04-.099	.02-.039	<.02	<.02	<.005	<.02	<.02	.02-.039

FISH SAMPLING GEAR: EF TIME: 25 AREA: 2 EFFIC: 100 % DOWNSTREAM
25 2 75 UPSTREAM

CONDUCTIVITY: 6 µmhos

CO	57	48	43	67	63	38	83	39	
K									
S	DOWNSTREAM						UPSTREAM OF CULVERT		
P									
CH									
DV									
RB/SH									

WILDLIFE OBSERVATIONS:

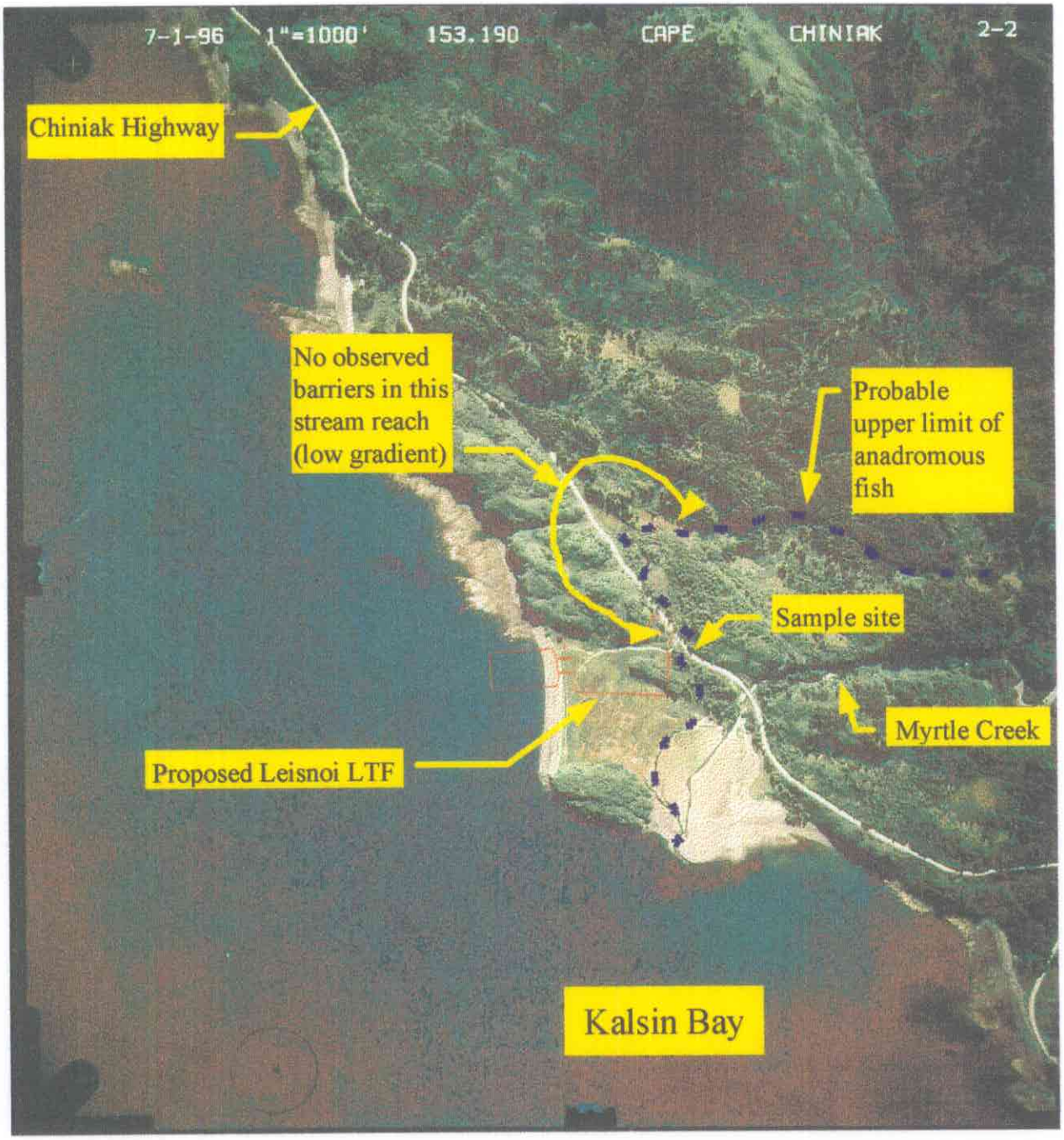


Figure 1. Newly documented coho salmon rearing stream adjacent to Myrtle Creek, Kalsin Bay, Kodiak Island. Coho salmon spawning is highly probable; pink salmon and Dolly Varden spawning is probable. Stream sampled immediately downstream and upstream of Chiniak Highway culverts. Upstream of culverts, stream parallels highway for 1000 feet. There are no known barriers to fish migration along the highway. Gradient increases within a 1000 feet southeast of the highway.

Figure 2. View of downstream sample site and three culverts under Chiniak Highway.

Figure 3. View of stream reach immediately downstream of highway. High density of rearing age-0. and -1. coho salmon in pool at culvert outlets.