

Region SOUTHWEST USGS Quad Afognak A-3

Anadromous Water Catalog Number of Waterway 252-34-10005-2083

Name of Waterway _____ USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>97 006</u>	<u>[Signature]</u>	<u>11/4/95</u>
Revision Year:	<u>97</u>	Regional Supervisor	Date
Revision to:	Atlas _____ Catalog _____	<u>[Signature]</u>	<u>12/6/96</u>
	Both <u>X</u>	AWC Project Biologist	Date
Revision Code:	<u>A-Z</u>	<u>[Signature]</u>	<u>12/10/96</u>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho	7/19/96	Probable	Yes	Yes	<input checked="" type="checkbox"/>
					<input 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: During a Forest Practices inspection, I sampled, with a Smith-Root battery-powered backpack electrofisher, the fish population of the stream shown on the attached map. I quickly collected 4 young of the year coho salmon and stunned, but did not capture, many other similar sized cohos (see attached survey form). At this location, a perched, high gradient (6%) culvert installed in 1994 blocked or hindered fish passage. Since this survey, the landowner has reestablish effective fish passage by removing the culvert and installing a log stringer bridge.

ALASKA DEPT. OF FISH & GAME

DEC 05 1996

Name of Observer (please print) Michael Wiedmer, Habitat Biologist
 Date: 12/4/96 Signature: [Signature]
 Address: Alaska Department of Fish and Game
333 Raspberry Road, Anchorage, AK 99518

HABITAT REGION II AND RESTORATION DIVISION

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: _____

AFOGNAK

50 (AFOGNAK B-3)

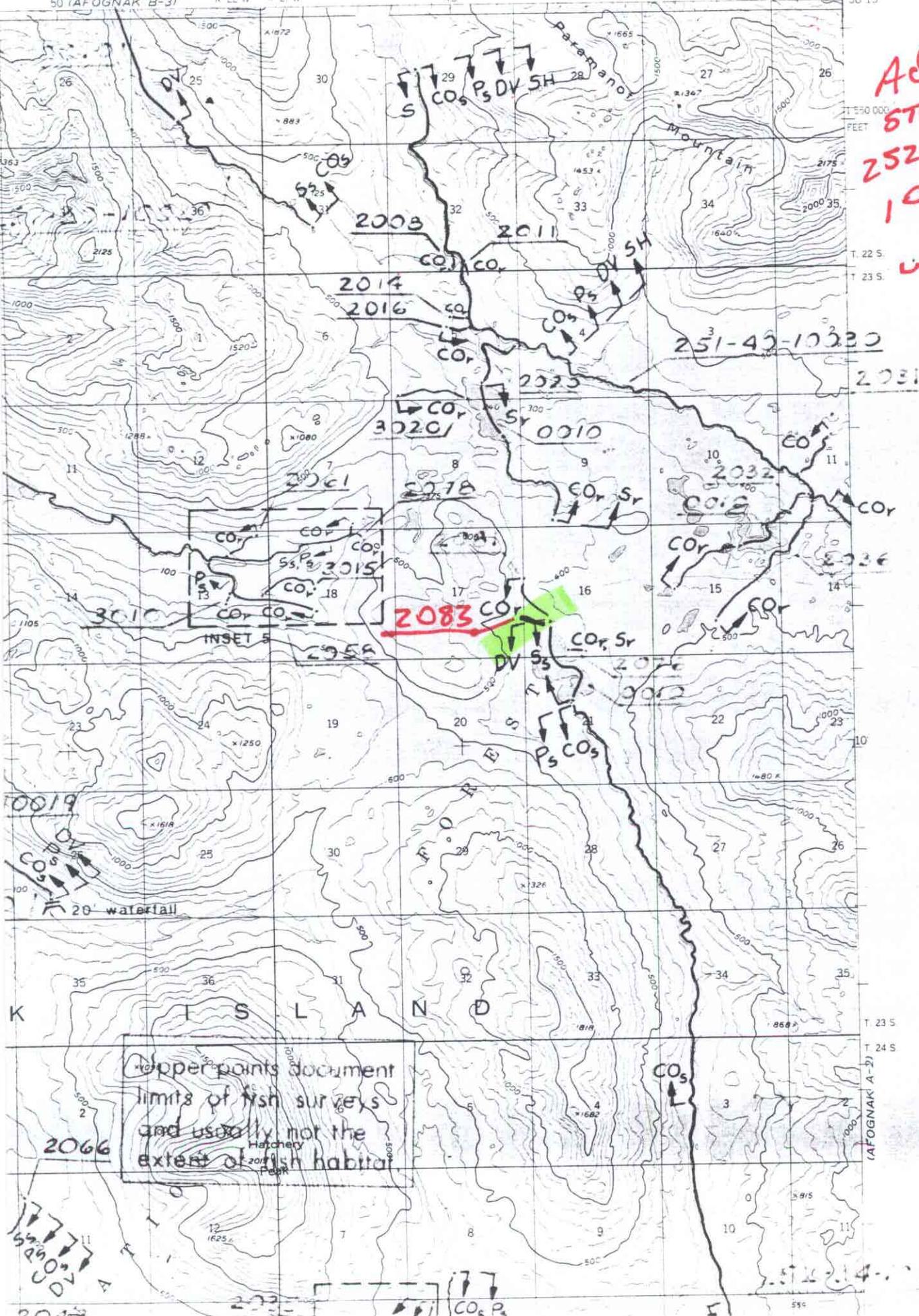
R 22 W R 21 W

45

179 000 FEET

152'40

58'15



**AQQ
STREAM
252-34-
10005-
2083
w/ COR**

251-40-10230

2083 COR

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

Hatchery
Peak

(AFOGNAK A-2)

Handwritten initials or marks in the top right corner.

FISH HABITAT SURVEY FORM

Rev. 7/9/96

SURVEY AREA: AFOGNAK ANC MARKA LAKE

STATION NO: _____ DATE: 7/19/96 TIME: 1300

OBSERVERS: MW, WJ, RB TEAM: A B STREAM NO: _____

GPS COORDINATES: Lat. _____ Long. _____

WEATHER:

CLEAR
PRT. CLDY.
CLOUDY

STREAM STAGE:

HIGH
MEDIUM
LOW

PRECIP:

TODAY TRACE
YESTERDAY 0
THIS WEEK TRACE

TEMP: AIR _____ WATER _____

STREAM GRADIENT: _____ %

WATER CLARITY:

CLEAR
STAINED
TURBID
MUDDY
MURKY

SUBSTRATE COMPOSITION (%):

MUD _____
SAND _____
GRAVEL 30
COBBLE 60
BLDR/B-ROCK 10
100%

STREAM DIMENSIONS (ft):

WIDTH 5'
DEPTH, LEFT BANK 0
DEPTH, RIGHT BANK 0
DEPTH, MID-CHANNEL 0.5

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

MEASURED VELOCITY: _____

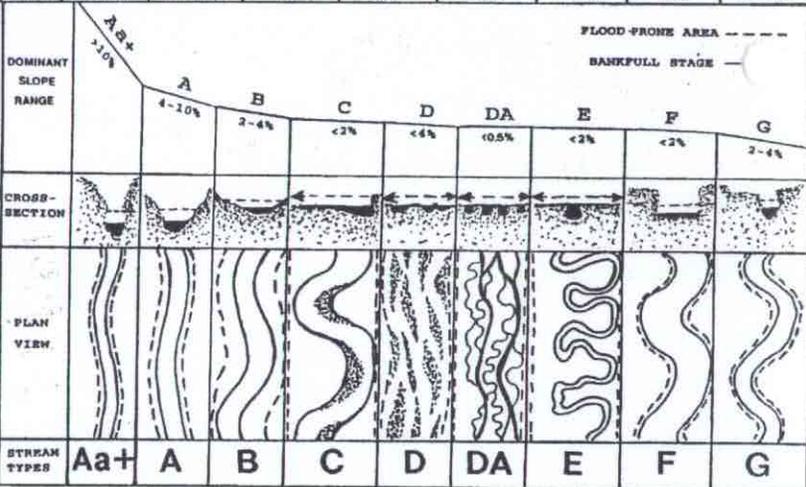
CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):

ROLL NO. _____ FRAME NOS. _____

Road 110 Unit 16 Section 16 TWN 23S RNG 21W Culvert length 53 ft
 Slope 6% Culvert Substrate 0 in Culvert Diam. 36 ft Depth of Substrate N/A ft Depth of Water at Outlet 15 ft Velocity 1 fps
 Height of Perch 0 ft Pool Depth 0 ft Comments: corrivation less than 125
12.7 mile - (Marka Lake trib)

CIRCLE DOMINANT CHANNEL TYPE:

Dominant Bed Material	A	B	C	D	DA	E	F	G
1 SAND								
2 BOUNDER								
3 GRAVEL								
4 SILT								
5 SAND								
6 MUD/CLAY								
ENTR. SIN.	<14	14-22	>22	N/A	>2.2	>2.2	<14	<14
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: 20s AREA: 30ft EFFIC: 30 %

CONDUCTIVITY: _____ μ mhos

CO	42mm	42mm	39mm	39mm	+	MANY NOT COLLECTED
K						
S						
P						
CH						
DV						
RB/SH						

WILDLIFE OBSERVATIONS:

ROAD BUILT 1994