ALASKA DEPT. OF FISH & GAME

OCT 16 1992

REGION II HABITAT DIVISION

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

252-34-10020-X4

AWC Volume SE SC (SW) W AR IN USGS Quad Afognak (A-3) Alaska

Anadromous Water Catalog Number of Waterway 252-34-10020-2004

Name of Waterway Barnhart Creek USGS name ___ Local name X

Addition X Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 93 190	Regional Supervisor: [signature] Date: 11/3/92
Revision Year: 93	
Revision to: Atlas ___ Catalog ___ Both X	[signature] 12/29/92
Revision Code: A-2	Drafted: [signature] Date: 1/13/93

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho (juv)	2-19-92		X		X
Dolly varden (Adults)	2-19-92		X		

Provide any clarifying information, including number of fish observed, location of fish survey data, etc. Attach a copy of the fish survey data, if available. Attach a copy of a map showing location of mouth and upper points of each species, specific stream reaches identified for spawning or rearing, locations of barriers, such as falls.

Comments:

Two meters in width, swift to moderate flow, meandering through meadow. Terminated by three foot waterfall with a second eight foot high waterfall eight yards upstream. Shocked and observed coho as we proceeded upstream through this section. Located only two Dolly Varden in the entire stream. At the upper extent station, located at the base of the three foot falls, we shocked 1 m² for 5 seconds capturing one juvenile coho and one adult Dolly varden. See final report for detailed narrative and map.

Name of Observer (please print) Katrin Sundet, Aimee Weseman, Mark Fink, Jeff Barnhart

Date: 10-5-92 Signature: Jeff Barnhart

Address: ADF&G Habitat Division, Anchorage.

Signature of Area Biologist: ___ Rev. 12/91

FISH HABITAT ASSESSMENT 1992

FORM 1: STREAM

ver 062692.0

STREAM#: 252 34 10020 x4 DATE: 8/19/92

STREAM NAME: Barnhart creek

LOCATION: AFOGNAK RIVER

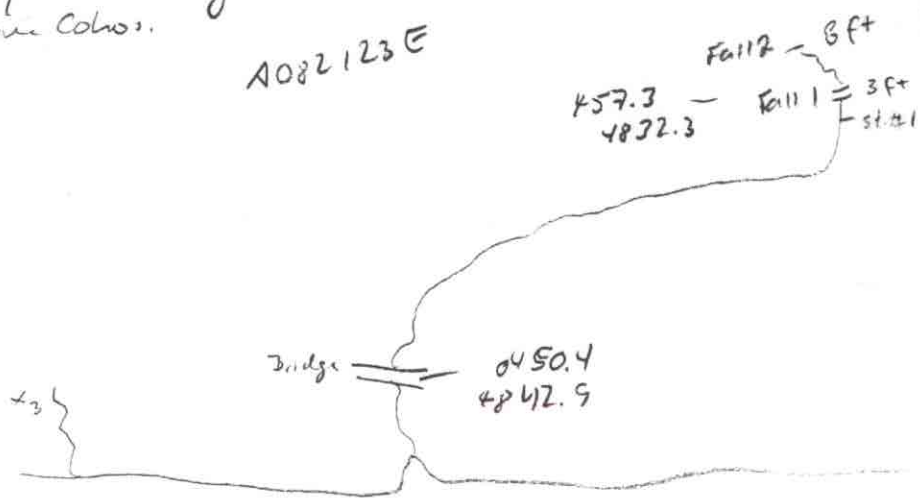
MOUTH-LATITUDE: 58 04 50.4 MOUTH-LONGITUDE: 152 48 42.9

TEAM: BFWS STAGE: H__ M ✓ L__

COMMENTS: took LAT/LON AT BRIDGE AS FISHERMEN WERE AT CREEK MOUTH. THE BRIDGE IS APPROX 20m of stream's mouth.

SKETCH: found only 2 DV's in entire stream, aside from Cohos.

A082123E



FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION

ver 062692.0

STREAM#: 252 34 10020 x4 SECTION: A

DATE: 8/19/92 METHOD: FOOT DIREC: UP ✓ DOWN ___

START LAT: 58 04 50.4 START LON: 152 48 42.9

END LAT: 58 04 57.3 END LON: 152 48 32.3

LENGTH (m): 430 WIDTH (m): 2 GRADIENT (%): 3

BANK TYPE: cut, veg. STREAM DEBRIS: Boulders, vegetation

BANK VEGETATION: Spruce, Devils Club, grasses

STREAM SUBSTRATE: GR BO BE

BANK SUBSTRATE: VE, BE

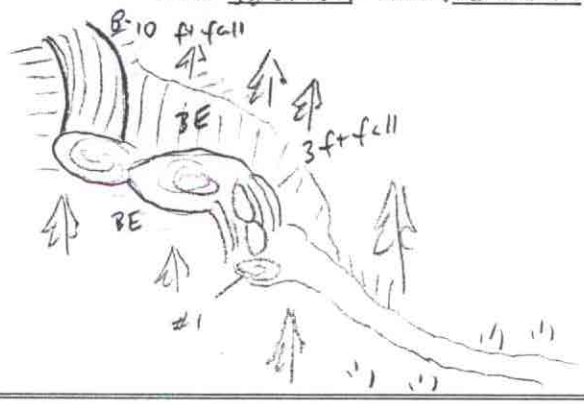
CHARACTER: moderate flow to swift, flowing mostly through meadow. Terminated by 3 ft fall w. 8 ft fall 8 yds above.

COMMENTS:

GPS FILENAME: AØ82123E TOTAL BARRIER? Y ✓ N ___

STREAM TYPE: A ✓ B ___ C ___ IF BARRIER IS TOTAL, LAT: 58 04 50.4 LON: 152 48 32.3

SKETCH: Roll 5, #27
Cone 5
50°F
Cobs 1 62 mm
DV 155 mm



Substrate: BOulder >1ft CObble 2-12" GRavel .1-2" SAnd <.1"
SIlt/clay/mud BEdrock (solid)

FISH HABITAT ASSESSMENT 1992

FORM 3: STATION

ver 062692.0

STREAM#: 252 34 10020 x4 SECTION: A

STATION: 1 DATE: 8/19/92 GPS-ID: A0882123E FIX:

STATION-LAT: 58 04 57.3 STATION-LON: 152 48 32 3

GEAR: ES TIME-INT: 5 TIME-UNIT: sec

CONDUCT: 5 AREA SHOCKED (sqm): 1

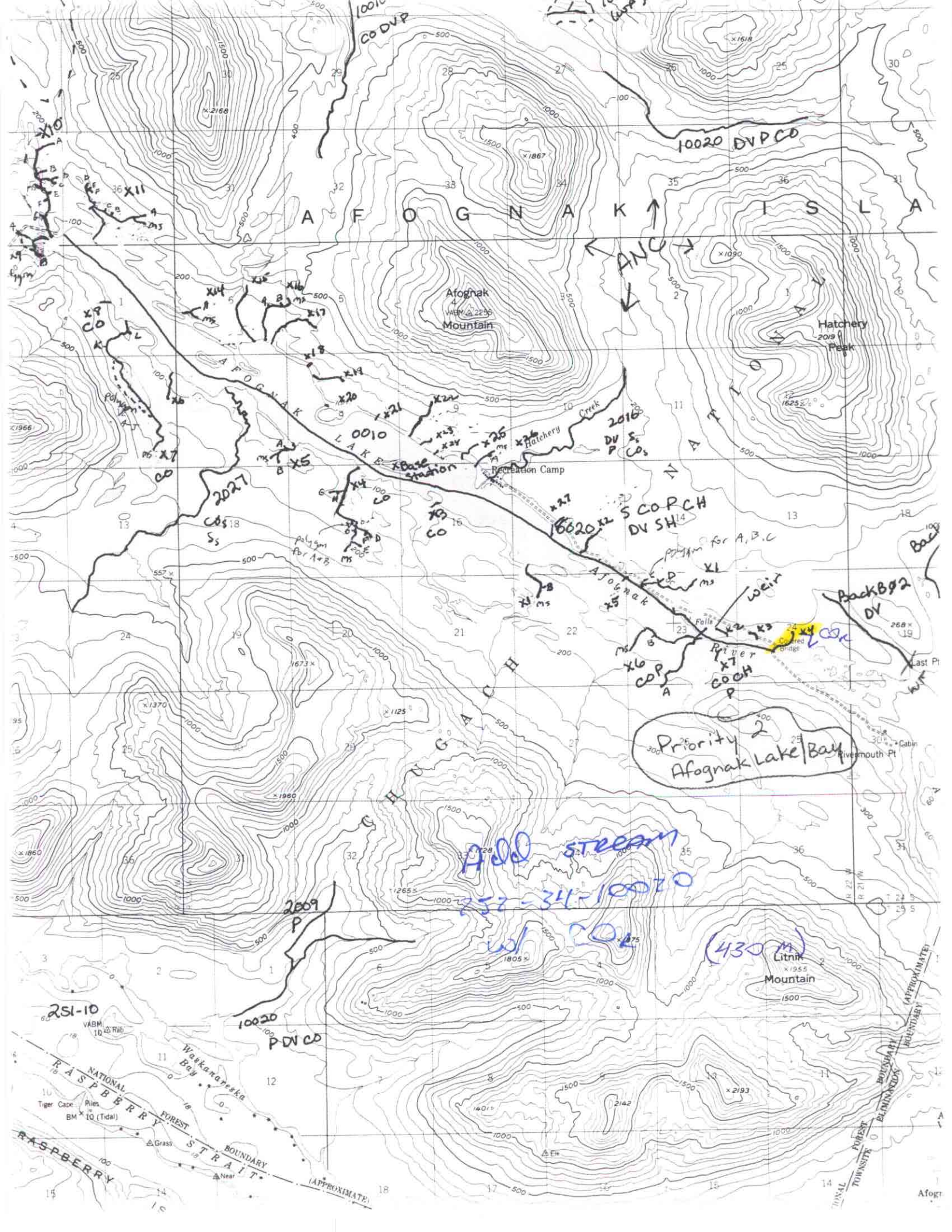
FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	JUV	1	52
DOLLY VARDEN	ADULT	1	155

WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS: shocked 6 Coho in pool ~20 m. below station: mm.



AFOGNAK ISLA
Afognak Mountain
Hatchery Peak
Hatchery Creek
Recreation Camp
AFOGNAK LAKE
Afognak River
CHUGACH NATIONAL
Falls
Covered Bridge
Rivermouth Pt
Cabin
Last Pt
Litnik Mountain
Waskanareska Bay
RASPBERRY STRAIT
NATIONAL FOREST BOUNDARY (APPROXIMATE)
Tiger Cape
Piles
Grass
Near
Elk
10020 DVPCO
10010 CO DVP
2016 DV P Ss COs
2027 COs Ss
0010
16020 S COPCH DV SH
Base station
polygon for A+B
polygon for A,B,C
weir
Back B02 DV
Priority 2
Afognak Lake/Bay
ADD STREAM
257-34-10020
w/ COL
(430 m)
2009 P
10020 PDVCO
251-10