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

ALASKA DEPT. OF FISH & GAME
OCT 16 1992
REGION II HABITAT DIVISION

AWC Volume SE SC (SW) W AR IN USGS Quad Afognak (B-2), Alaska

Anadromous Water Catalog Number of Waterway 251-82-10009

Name of Waterway Echo creek USGS name ____ Local name X

Addition X Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 93 182	[signature] Regional Supervisor — 11/3/92 Date
Revision Year: 93	Ed Weiss — 1/4/93
Revision to: Atlas ____ Catalog ____ Both X	L. Grove — 1/14/93
Revision Code: A-2	Drafted — Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho Fry	7-18-92		X		X
Dolly varden	7-18-92		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:

Stream width is 2.5 meters. Observed coho fry and Dolly varden as we proceeded upstream through this section. At the upper extent station we shocked 2 m² for 10 seconds capturing one coho fry. No obvious barrier to coho above the established upper extent. Shocking upstream of the upper extent station produce only Dolly Varden. There is potential for coho spawning upstream of the upper extent. See final report for detailed narrative and map.

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

Date: 8-11-92 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#: 251 82 WATER 03 DATE: 7/18/92

STREAM NAME: Echo creek

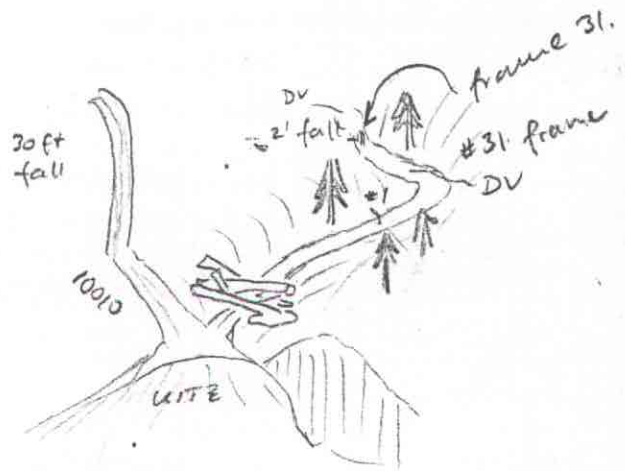
LOCATION: BIG WATERFALL BAY, ADJACENT TO STREAM 10010

MOUTH-LATITUDE: 58 24 39.1 MOUTH-LONGITUDE: 152 32 20.7

T[illegible]: SBWF STAGE: H__ M✓ L__

COMMENTS: no obvious barrier to Coho at upper extent, 20 m below a 2' ft. Might be spawning stream, and rearing area terminates at 'upper extent'.

SKETCH:



FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION

ver 062692.0

STREAM#: 251 82 WATER 63 SECTION: A

DATE: 7/18/92 METHOD: FOOT DIREC: UP ✓ DOWN ___

START LAT: 58 24 36.3 START LON: 152 32 21.1

END LAT: 58 24 39.1 END LON: 152 32 20.7

LENGTH (m): 133 WIDTH (m): 2.5 GRADIENT (%): 4

BANK TYPE: VE, cut STREAM DEBRIS: logs

BANK VEGETATION: Grass, Devils Club, spruce

STREAM SUBSTRATE: GR CO BO

BANK SUBSTRATE: VE BO BE

CHARACTER: No obvious barrier to Coho above extent. Riffles alternating with pools ~20 m below 2' fall

COMMENTS: Adult spawning stream?

GPS FILENAME: 7071821C TOTAL BARRIER? Y ___ N ✓

STREAM TYPE: A ✓ B ___ C ___ IF BARRIER IS TOTAL, LAT: ___ LON: ___

SKETCH:

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#: 251 RL WATERØ3 SECTION: A

STATION: 1 DATE: 2/18/92 GPS-ID: 70718210 FIX:

STATION-LAT: 58 24 39.1 STATION-LON: 152 32 20.7

GEAR: ES TIME-INT: 10 TIME-UNIT: sec

DUCT: AREA SHOCKED (sqm): 2

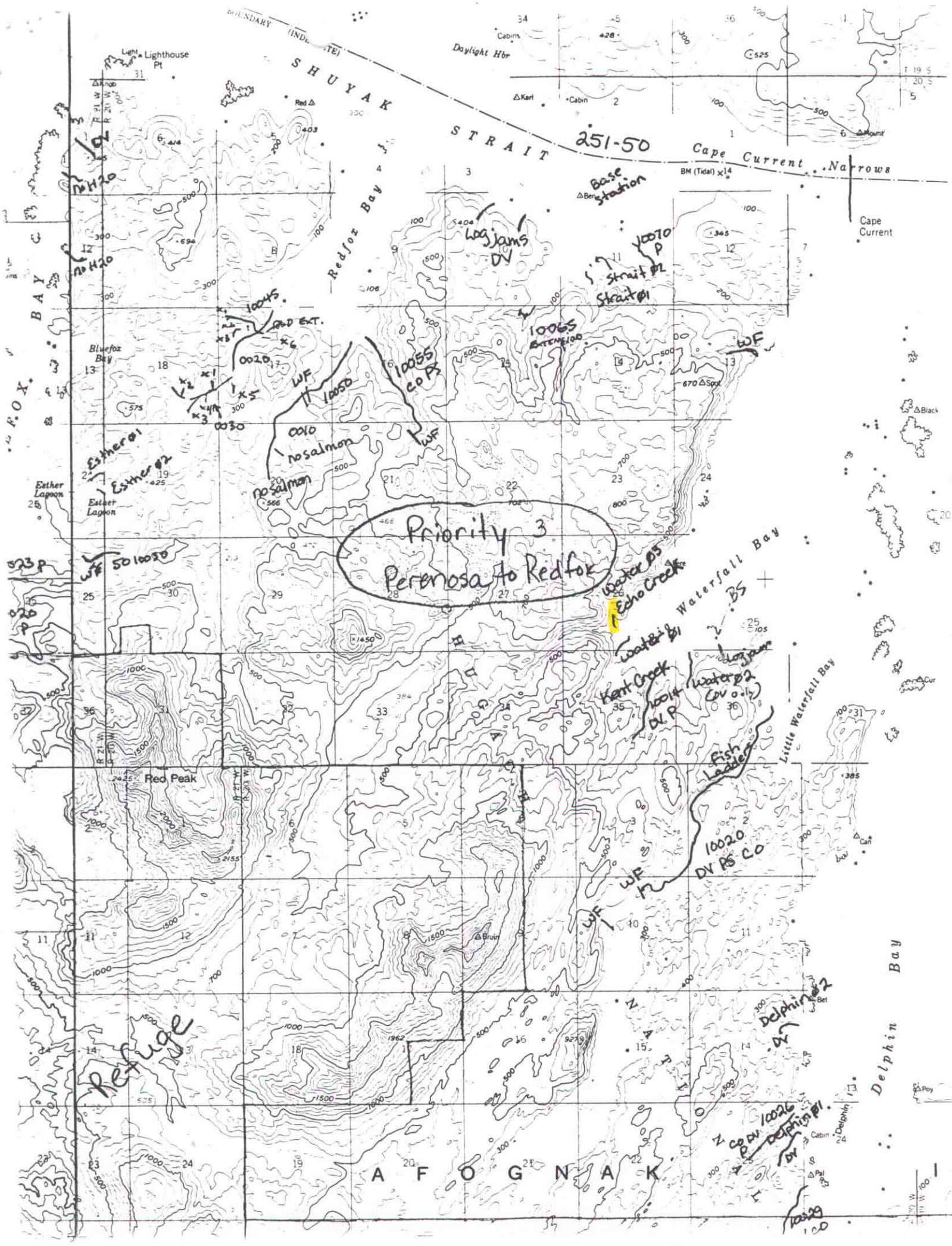
FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
Coho	fry	1	

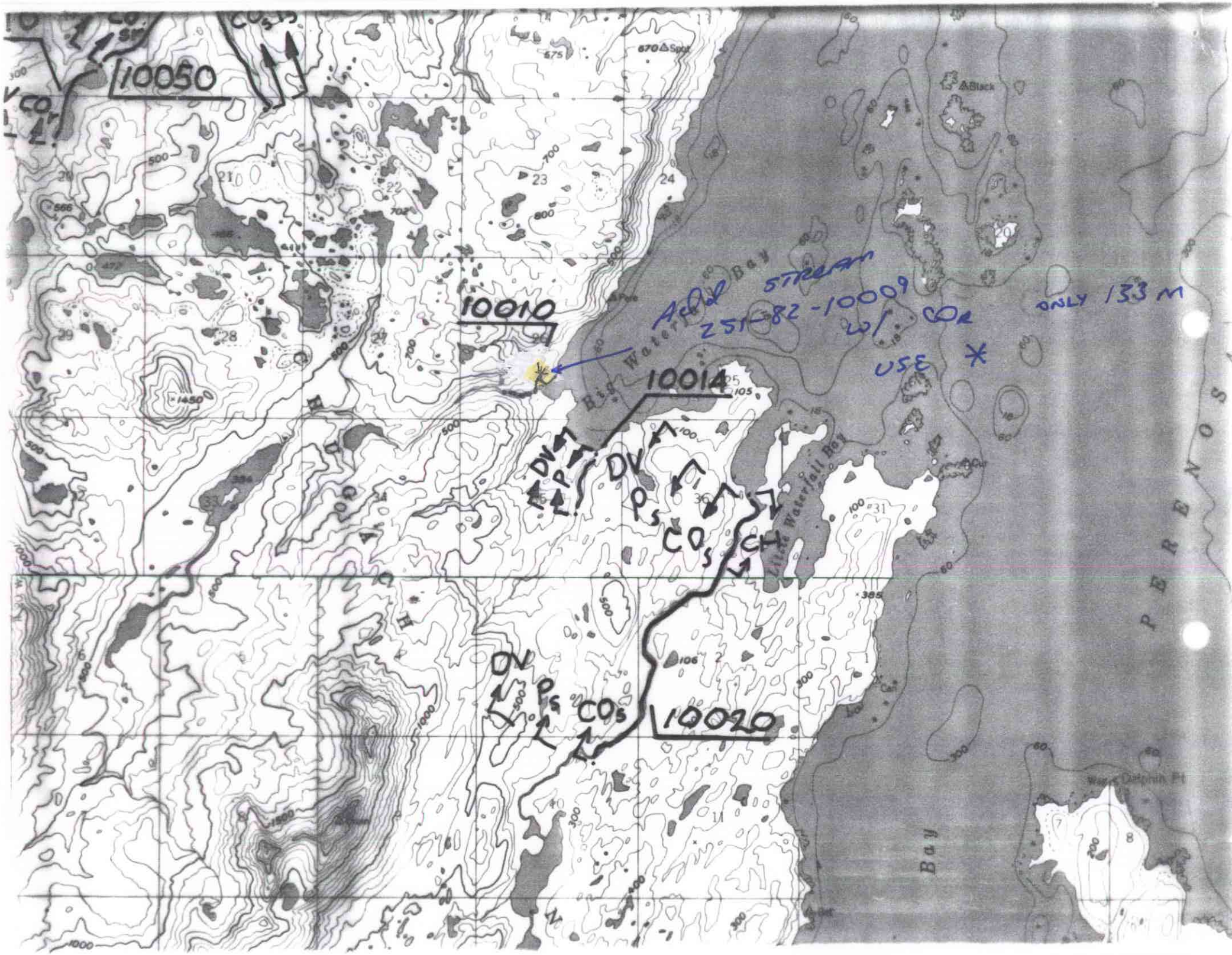
WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS: only DV in 3 pools above. No visible barrier. Nearing extent.



251-50
Priority 3
Perenosa to Redfox
Refuge
SHUYAK STRAIT
Cape Current Narrows
Cape Current
Redfox Bay
Waterfall Bay
Little Waterfall Bay
Delphin Bay
AFOGNAK
Red Peak
Lighthouse Pt
Daylight Hbr
Bluefox Bay
Esther Lagoon
Base Station
Log jams DV
Strait #2
Strait #1
10070 P
10065 EXTENS 100
10045
0020
0030
10050
10055 CO PS
0010
no salmon
no salmon
Esther #1
Esther #2
WF
Water #3
Echo Creek
Water #1
Kent Creek
10014 DV P
Water #2 (DV 0.1)
Fish Ladder
10020 DV PS CO
Delphin #2
Delphin #1
10026
10029


10050
10010
10014
10020
Add STREAM
251-82-10009
w/ COR
USE *
ONLY 133 M
Big Waterfall Bay
Little Waterfall Bay
DV
P
Ps
COs
CH
PERENOS
Bay
Black
Spot
Pere
Can
Dolphin Pt