State of Alaska
Department of Fish and Game
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-1), Alaska

Anadromous Water Catalog Number of Waterway 251-82-10080-2060 x3

Name of Waterway Troublesome Creek USGS name ____ Local name X

Addition X Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination #	93 165	Regional Supervisor	11/3/92 Date
Revision Year:	'93		
Revision to: Atlas ____ Catalog ____ Both X		E.D. Weim	12/31/92
Revision Code:	A-2	Drafted	1/22/93 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
COHO FRY	07/12/92		✓		✓

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:

NUMEROUS COHO FRY OBSERVED WITHIN 200 m of MOUTH. UPPERMOST COHO FRY WERE ELECTROSHOCKED ~200 m FROM MOUTH, ALTHOUGH A TOTAL BARRIER (2 15' FALLS) is ~400 m FROM THE MOUTH. THE STREAM SUBSTRATE WITHIN THE COHO EXTENT IS COBBLE, GRAVEL, SAND, AND SOME BOULDERS AND BEDROCK. THE STREAM CONTAINS NUMEROUS POOLS + SLOW AREAS WITH UNDERCUT BANKS IN THIS REACH, AND BECOMES SWIFTER ABOVE 200m from the mouth. Numerous Dolly VARDEN WERE OBSERVED THROUGHOUT THE STREAM. BANK VEGETATION is SPRUCE, DEVILS CLUB, FERNS AND GRASS

Name of Observer (please print) KATHRIN SUNDET, AIMEE WESEMAN, JEFF BARNHART, MARK FINK.

Date: 10/12/92 Signature: Kathrin Sundet

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 10080 0020 x3 DATE: 7/11/92

STREAM NAME: Troublesome Creek (uncat)

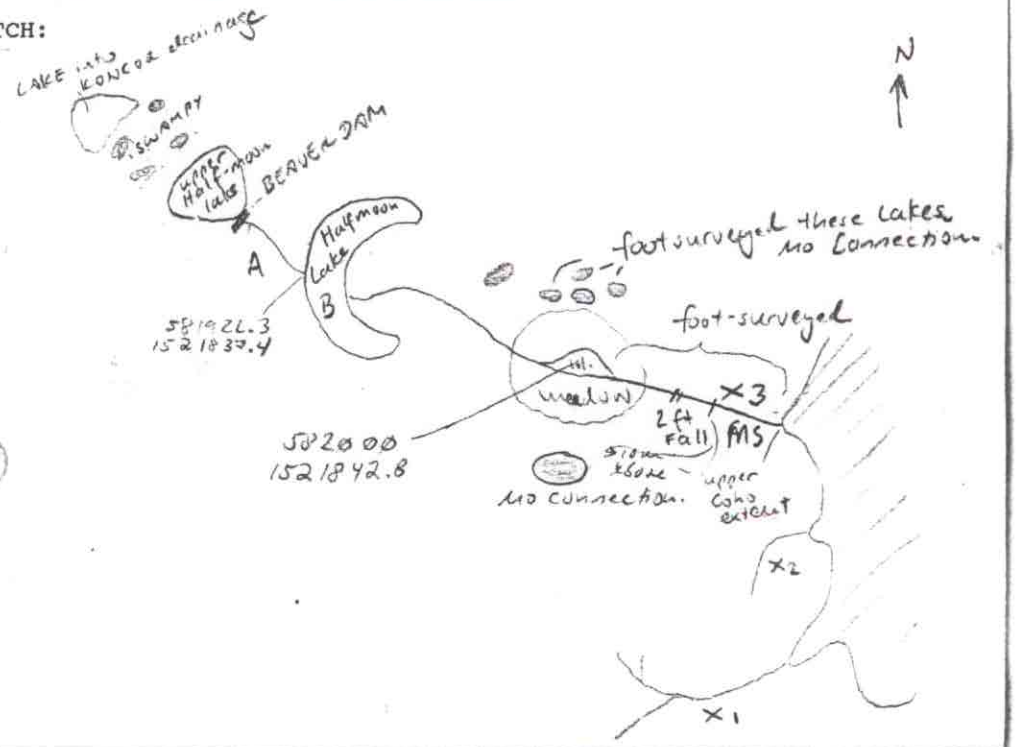
LOCATION: Laura Lake, 3rd stream clockwise fr. S. end

MOUTH-LATITUDE: 58 20 19.5 MOUTH-LONGITUDE: 152 18 23.0

TEAM: BFSW STAGE: H__ M ✓ L__

COMMENTS: We made many passes over this stream, as it was difficult to determine the drainage boundaries. This form is the final version + supersedes early info in the fieldlog. GPS file for entire stream = 707121A. Walked from meadow down to mouth + found no tributaries. found upper Coho extent ~400m from mouth.

SKETCH:



FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION was C

ver 062692.0

STREAM#: 251 B2 10080 0020 x3 SECTION: MS

DATE: 7/12/92 METHOD: _____ DIREC: UP___ DOWN ✓

START LAT: 58 20 19.5 START LON: 152 18 23.0

END LAT: 58 20 17.5 END LON: 152 18 25.2

LENGTH (m): _____ WIDTH (m): _____ GRADIENT (%): 1

BANK TYPE: VE FLAT STREAM DEBRIS: LOGS, BO

BANK VEGETATION: GRASS DEVIL CLUB SPRUCE FERN

STREAM SUBSTRATE: CO GR SA BO BE

BANK SUBSTRATE: VEG BO

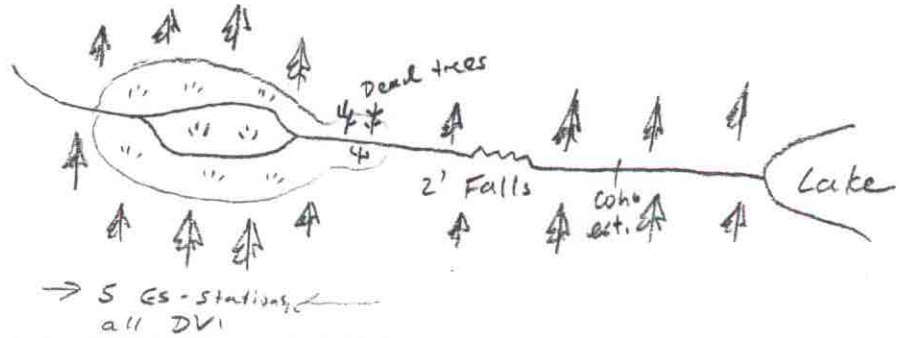
CHARACTER: SWIFT WITH DEEP CALM POOLS AND SHALLOW, SLOW AREAS WITH UNDERCUT BANKS. NO BARRIER AT EXTENT.

COMMENTS: WALKED ENTIRE STREAM FROM TOP OF DRAINAGE ON DOWN, ELECTROSHOCKED + MINNOWTRAPPED EXTENSIVELY. PHYSICAL BARRIER APPEARS TO BE 2 HIGH-VOLUME FALLS ~400 m from mouth, though last COHO WERE FOUND ~200 m from MOUTH. STREAM SWIFTER ABOVE COHO EXTENT. NUMEROUS DV shucked above.

GPS FILENAME: 7071221A TOTAL BARRIER? Y ✓ N __

STREAM TYPE: A ✓ B __ C __ IF BARRIER IS TOTAL, LAT: 58 20 7.8 LON: 152 18 36.3

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 82 10280 0020 X3 SECTION: C

STATION: 1 DATE: 7/12/92 GPS-ID: FIX: 3D

STATION-LAT: STATION-LON:

G .: ES TIME-INT: 10 TIME-UNIT: secs

CONDUCT: 9 AREA SHOCKED (sqm): 3

FISH

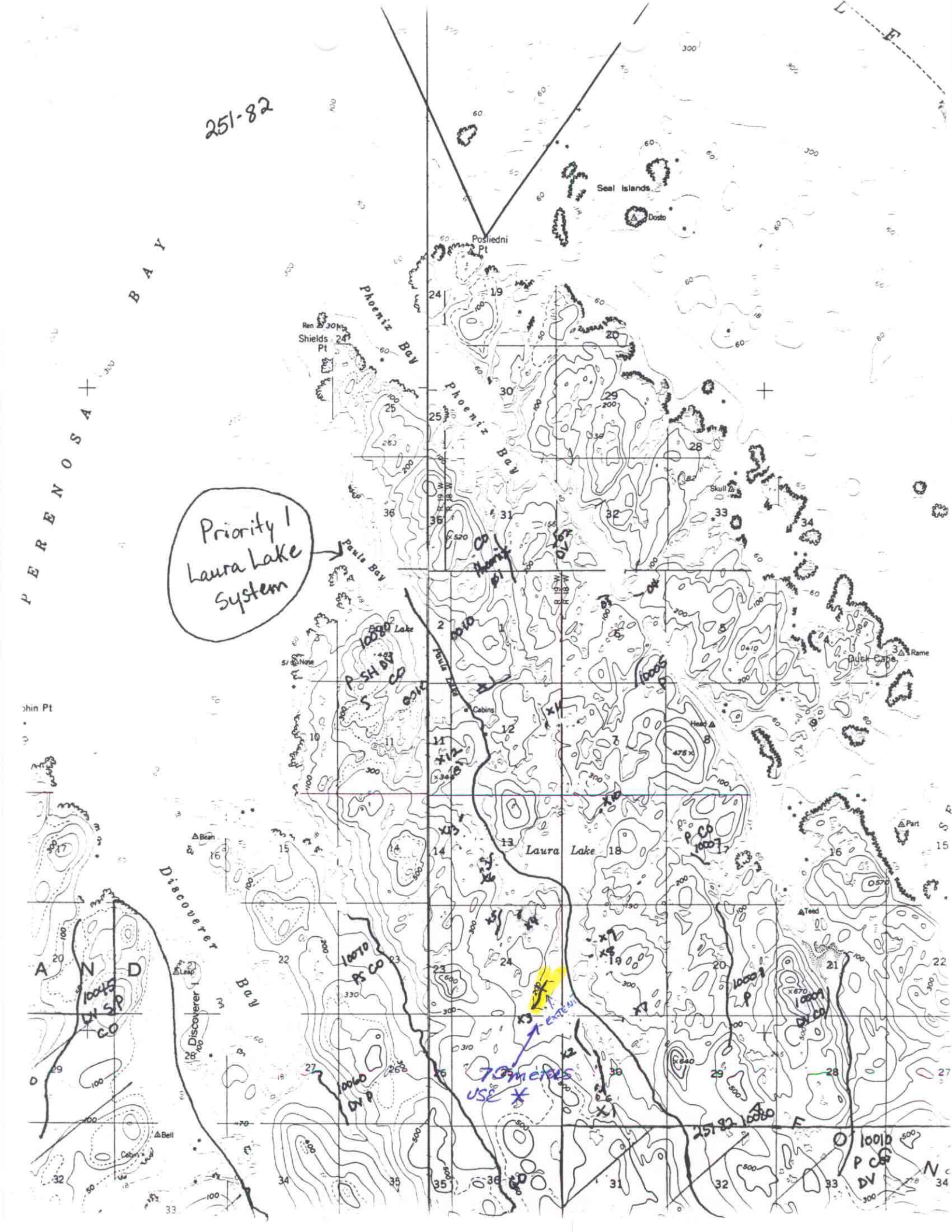
SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
Coho	fry	5	

WILDLIFE

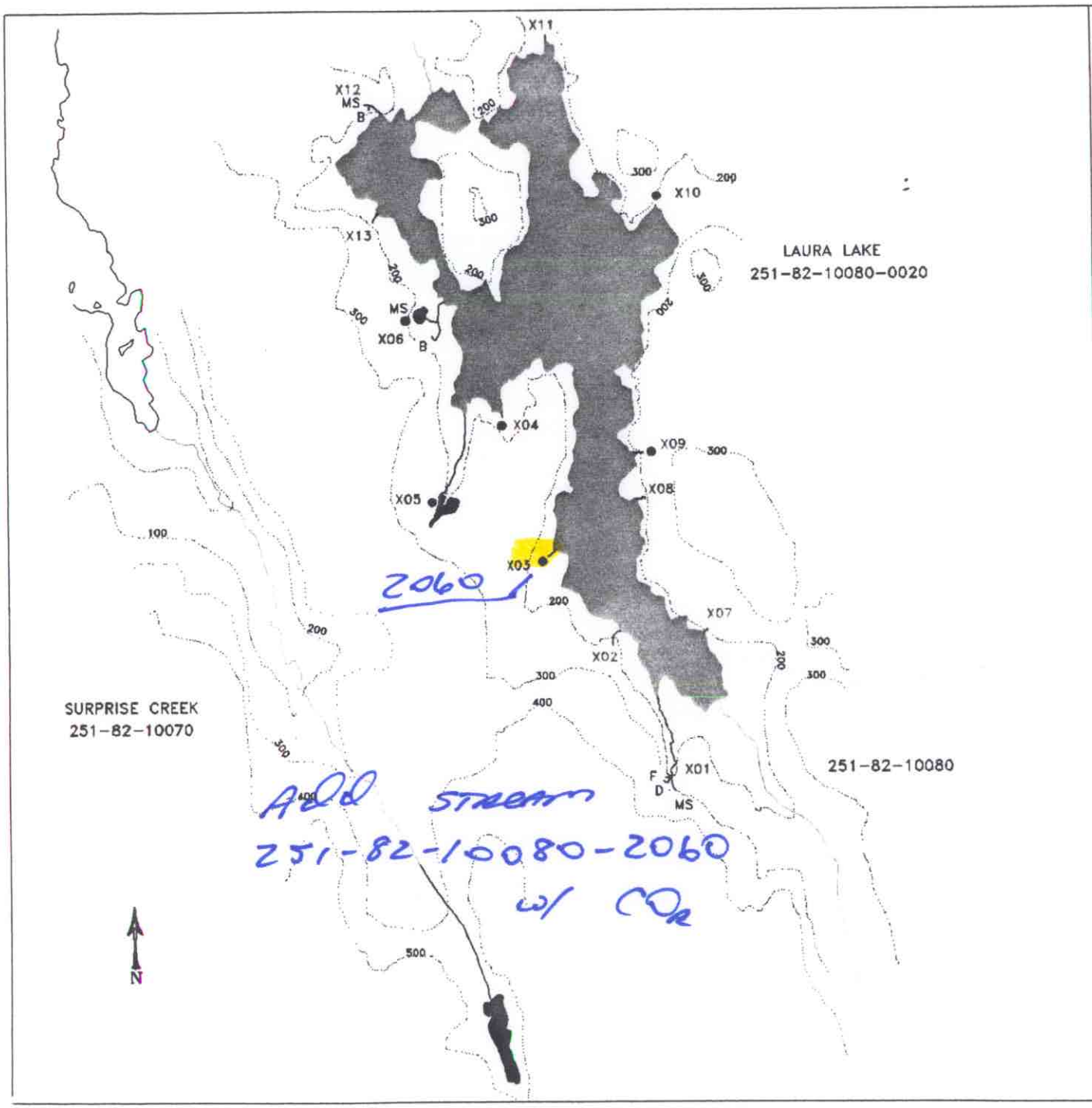
SPECIES	COUNT	COMMENTS
DEER		TRACKS

S ION COMMENTS:

upper extent. Character changes somewhat above this section (higher gradient, larger substrate



251-82
Priority 1
Laura Lake
System
Seal Islands
Dosto
Posliedni Pt
Phoenix Bay
Shields Pt
Paula Bay
Paula Lake
Cabins
Laura Lake
Discoverer Bay
Discoverer 1
Skull
Rame
Duck Cape
Head
Part
Teed
Bean
Leap
Bell
Cabin
PERENOSA BAY
EXTENT
73 meters
USE *



MAP 7-B

STREAM HABITAT ASSESSMENT

PROJECT R-47

LAURA LAKE STREAMS AND

SURPRISE CREEK

LEGEND

- PREVIOUSLY CATALOGUED
- NEWLY IDENTIFIED STREAM
- NEWLY IDENTIFIED WETLANDS
- NON-ANADROMOUS WATERBODY
- X03 STREAM ID
- A TRIBUTARY ID
- ENHANCEMENT OPPORTUNITY
- CONTOUR INTERVAL (ft)

SCALE

100 1000

2000 m

STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
Habitat and Restoration Division

December 15, 1992