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 251-82-10080-2074 x1 mainstem to upper extent of E

Name of Waterway _____ USGS name ____ Local name ____

Addition X Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 93 161	[signature] Regional Supervisor — 11/3/92 Date
Revision Year: '93	
Revision to: Atlas ____ Catalog ____ Both X	Ed Weiss — 12/31/92
Revision Code: A-2	J. Crone — 1/14/93 Drafted Date

OBSERVATION INFORMATION

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

Numerous coho fry at stream mouth. Dipped twelve with hand net. Stream 1-2 m in width, slow moving with pools/riffles meandering through forest. Two percent gradient throughout the stream until the upper extent of coho rearing was reached. At this point the gradient was 8 percent. Coho fry observed along entire stream. Stream substrate is primarily gravel, ash and boulder. Bank substrate is grass, fern and spruce trees. At upper extent of coho rearing 1 coho fry was captured using an electroshocker. See copy of survey data or 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: Jeffrey 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#: 151 B2 10080 (9020) - X1 DATE: 7/7/92

STREAM NAME:

LOCATION: Lauria Lake, south end 1st trib to West

MOUTH-LATITUDE: 58 19 48.3 MOUTH-LONGITUDE: 152 17 42.3

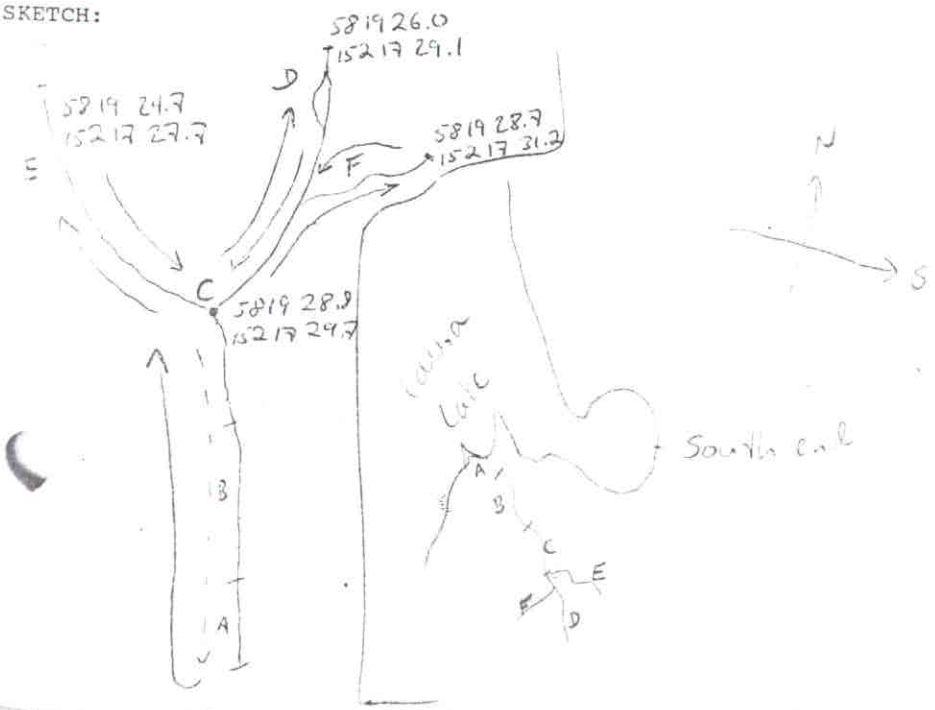
: MF, KS STAGE: H__ M ✓ L__

Cond: 6 mmhos

COMMENTS:

at mouth, photo P92KS001 #5. Lots of fry, ...ed 12 Coho. Can't get fix at 10^50, got fix 12^47. Record mouth at 12^52, FILE A070720A, 50 pts. Overflight of whole system at 17^00 air end of Survey. FILE = A070800B

SKETCH:



FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION

2

ver 062692.0

STREAM#: 251 82 10080 0020 X1 SECTION: A

DATE: 7/7/92 METHOD: F DIREC: UP ✓ DOWN ___

START LAT: 58 19 48.3 START LON: 152 17 42.3

END LAT: — END LON: —

LENGTH (m): 16 WIDTH (m): 2.0 GRADIENT (%): <2

BANK TYPE: cut - 2, vegetation STREAM DEBRIS: More

BANK VEGETATION: Grasses, Fern, spruce

STREAM SUBSTRATE: SA GR BO

BANK SUBSTRATE: vegetation

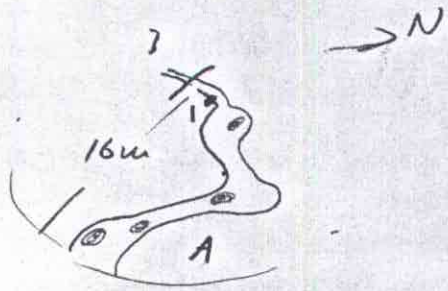
CHARACTER: slow, pools with interspersed boulders. Pool depth < 30 cm, mouth of stream.

COMMENTS: No GPS fixes. Deer tracks on beach.

GPS FILENAME: A070800TB 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

3

FORM 3: STATION

ver 062692.0

STREAM#: 251 8210080 0020 x1 SECTION: A

STATION: 1 DATE: 7/7 GPS-ID: N/A FIX: —

STATION-LAT: STATION-LON:

GEAR: Dipnet TIME-INT: 1 TIME-UNIT: sec

CONDUCT: 9 AREA SHOCKED (sqm): —

FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	FRY	13	—

WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS: No GPS fix

FISH HABITAT ASSESSMENT 1992 4

FORM 2: SECTION

ver 062692.0

STREAM#: 252-81 10280 0020 X1 SECTION: B

DATE: 7/9/92 METHOD: F DIREC: UP ✓ DOWN ___

START LAT: ___ START LON: ___

END LAT: ___ END LON: ___

LENGTH (m): 110 WIDTH (m): 1.5 GRADIENT (%): 2

BANK TYPE: cut-2, veg. STREAM DEBRIS: logs

BANK VEGETATION: Grass, Fern, Spruce

STREAM SUBSTRATE: Gr Bo Sa

BANK SUBSTRATE: grasses, Fern, Spruce

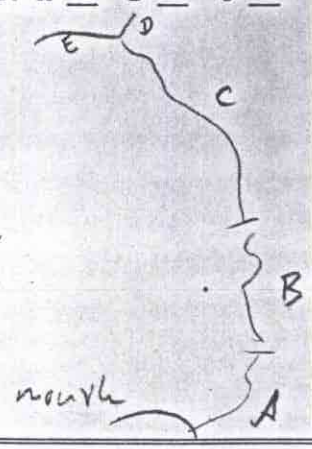
CHARACTER: pools interspersed with riffles, meandering through woods.

COMMENTS: No fish caught, though many Coho fry observed. No GPS fixes

GPS FILENAME: ___ TOTAL BARRIER? Y ___ N 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 5

FORM 2: SECTION

ver 062692.0

STREAM#: 251 82 10080 0020 x1 SECTION: C

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

START LAT: " START LON: ___

END LAT: 58 19 29.6 END LON: 152 17 29.9

LENGTH (m): 409 WIDTH (m): 1 GRADIENT (%): 2

BANK TYPE: cut, vegetated STREAM DEBRIS: Logs

BANK VEGETATION: Grasses, Fern, Spruce

STREAM SUBSTRATE: SA GR BO

BANK SUBSTRATE: VE

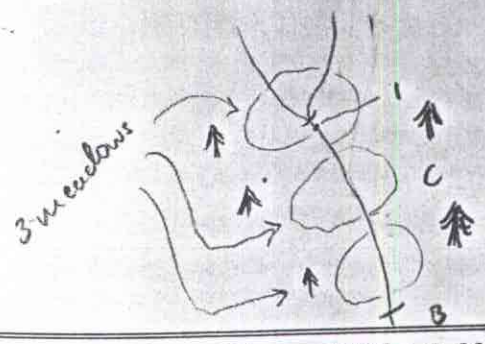
CHARACTER: narrow and shallow, cut into vegetation with interspersed pools. Slow and meandering.

COMMENTS: No GPS start fix. Section ends at confluence of two tribs.

GPS FILENAME: — 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 6

FORM 3: STATION

ver 062692.0

STREAM#: 251 82 10080 0020 X1 SECTION: C

STATION: 1 DATE: 7/7/92 GPS-ID: N/A FIX: N/A

STATION-LAT: 58 19 28.8 STATION-LON: 152 17 29.7

GEAR: DIPNET TIME-INT: - TIME-UNIT: -

DUCT: - AREA SHOCKED (sqm): -

FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	FRY	3	

WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS:

No GPS fix. Observed Coho in pools along the section.

FISH HABITAT ASSESSMENT 1992

9

FORM 2: SECTION

ver 062692.0

STREAM#: 251 82 10080 0020 X1 SECTION: E

DATE: 7/7/92 METHOD: F DIREC: UP ✓ DOWN ___

START LAT: 58 19 28.8 START LON: 152 17 27.9

END LAT: 58 19 24.7 END LON: 152 17 27.7

LENGTH (m): 120 WIDTH (m): .8 GRADIENT (%): 8

BANK TYPE: CUT, VE STREAM DEBRIS: None

BANK VEGETATION: Grass, Devil's Club

STREAM SUBSTRATE: Co Bo SA

BANK SUBSTRATE: VE

CHARACTER: Thin rivulet with mossy rocks, interspersed w/ deep pools and three 2-3 ft waterfalls.

COMMENTS: Coho found above falls.

GPS FILENAME: A07080A TOTAL BARRIER? Y ___ N ✓

STREAM TYPE: A ✓ B ___ C ___

IF BARRIER IS TOTAL, LAT: _____ LON: _____

SKETCH:

stations 2 and 1 are 5m apart.

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

FISH HABITAT ASSESSMENT 1992 10

FORM 3: STATION

ver 062692.0

STREAM#: 251 82 10080 0020 X1 SECTION: E

STATION: 1 DATE: 7/7/92 GPS-ID: N/A FIX:

STATION-LAT: STATION-LON:

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

CONDUCT: 10 AREA SHOCKED (sqm): 1

FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	fry	2	

WILDLIFE

SPECIES	COUNT	COMMENTS
Deer		tracks

STATION COMMENTS: no fix.
210 m up from Confluence (end of section C).
One fry barely stationed up. The other ~ 5 cm.

FISH HABITAT ASSESSMENT 1992 11

FORM 3: STATION

ver 062692.0

STREAM#: 251 82 10080 0020 x1 SECTION: E

STATION: 2 DATE: 7/7/92 GPS-ID: N/A FIX: 3D

STATION-LAT: 58 19 24.7 STATION-LON: 152 17 27.7

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

CONDUCT: 7 AREA SHOCKED (sqm): 1 200V 15 HTZ

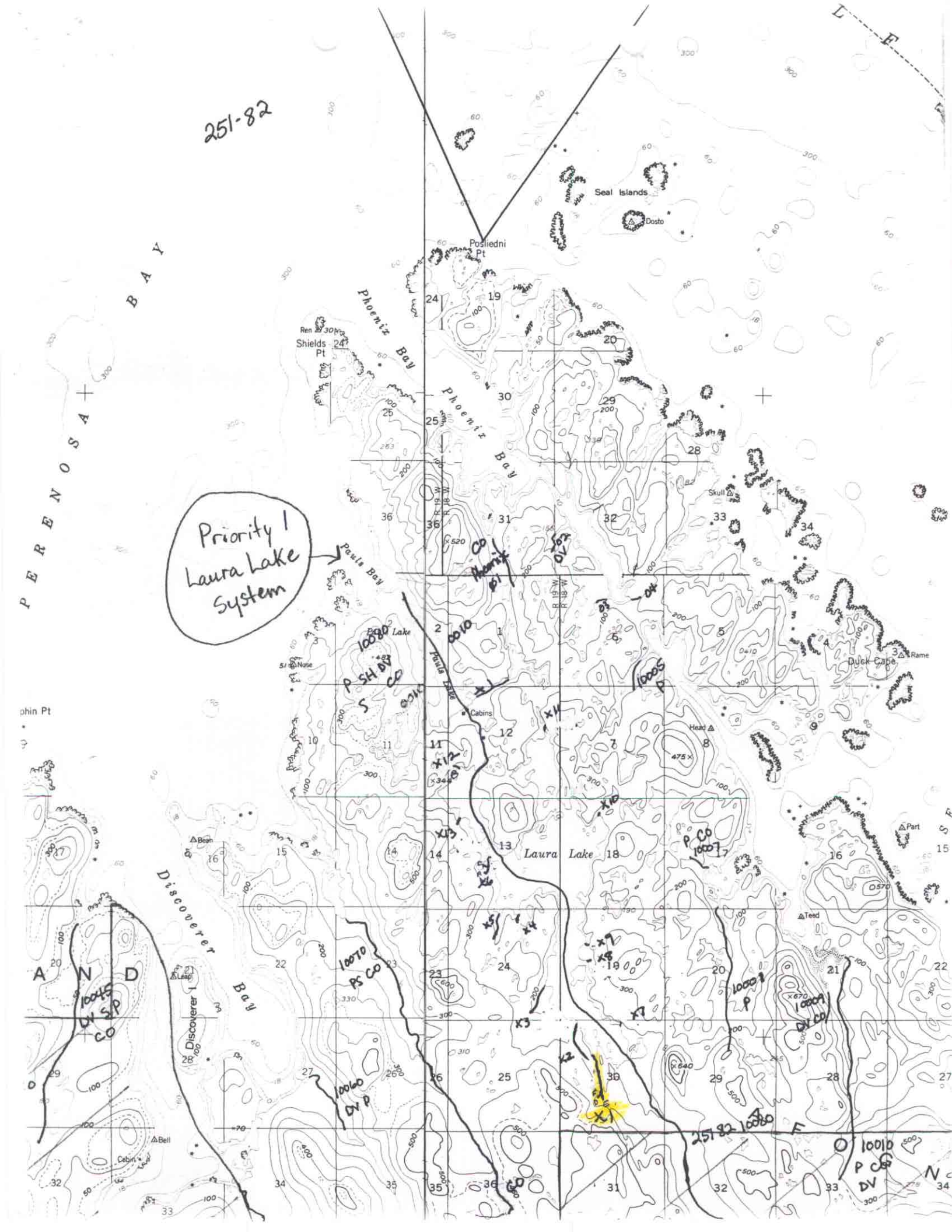
FISH

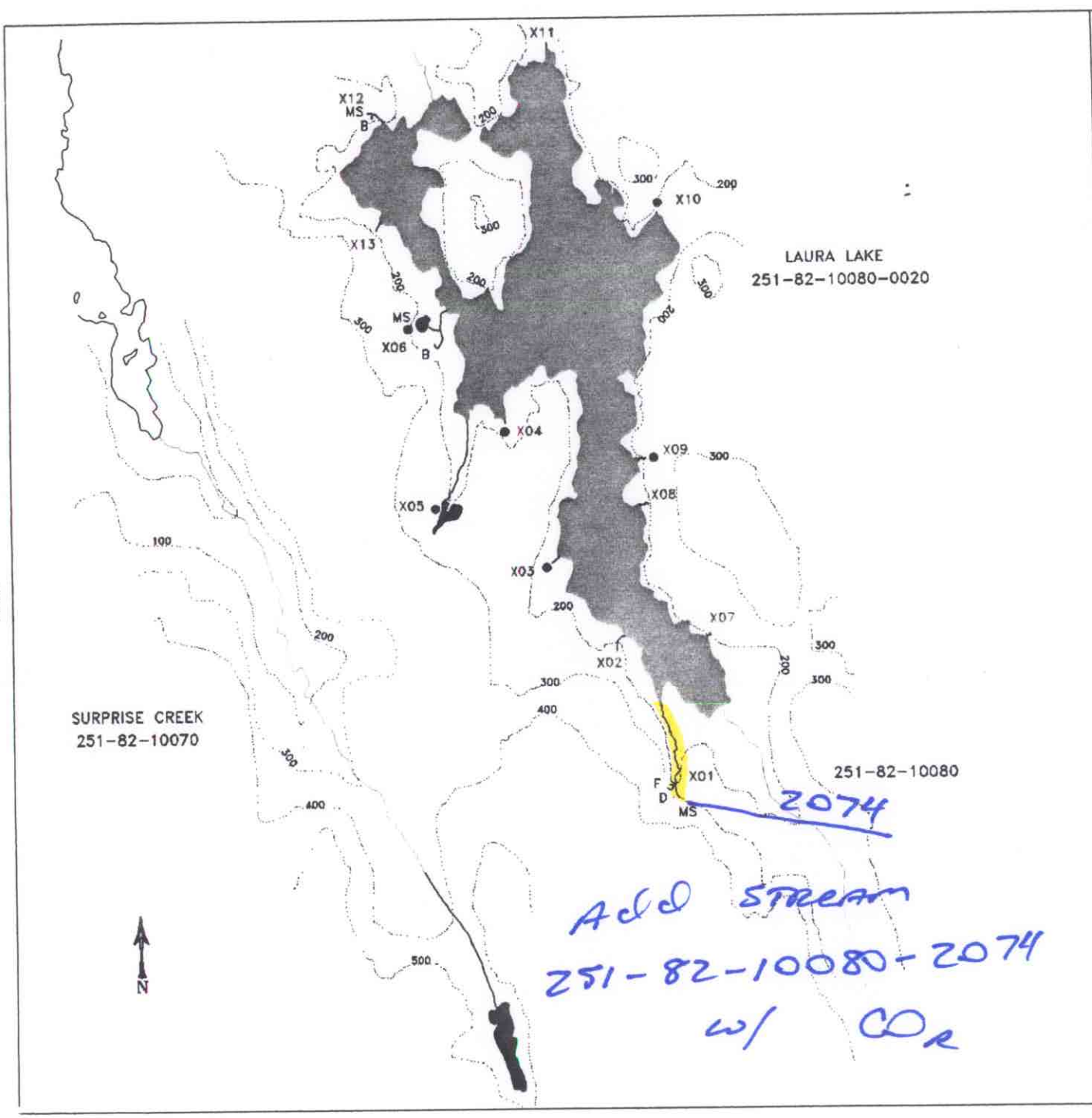
SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
~~ATC~~ DV	juv	1	80

WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS:
Photo P92KS0001 #6 - end of extent.
Station 5m upstream of Station 1.
no GPS fix from Ground; used over-flight GPS


251-82
Priority 1
Laura Lake
System
PERENOSA BAY
Seal Islands
Dosto
Posliedni Pt
Phoenix Bay
Shields Pt
Skull
Pauls Bay
Pauls Lake
Nose
Cabins
Head
Duck Cape
Rame
Laura Lake
Discoverer Bay
Discoverer I
Bean
Leap
Bell
Cabin
Teed
Part
phin Pt
R 19 W
R 18 W
10080 P SH DV S CO
10005 P
10070 PS CO
10060 DV P
10045 DV S P CO
10008 P
10009 DV CO
10010 P CO DV
251 82 10080
X1
X2
X3
X4
X5
X6
X7
X8
X9
X10
X11
X12
X13



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 16, 1992