State of Alaska
Department of Fish and Ga.
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 251-50-10045-MS (Main Stem)

Name of Waterway Redfox Creek USGS name ____ Local name ✓

Addition ✓ Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination #	93 142	Regional Supervisor	11/3/92 Date
Revision Year:	'93		
Revision to: Atlas ____ Catalog ____ Both X		Ed Weiss	1/4/93
Revision Code:	A-1	Drafted	1/14/93 Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho fry	7-20-92, 7-30-92		✓		✓
Rainbow Trout	7-20-92, 7-30-92		✓		
Dolly varden	7-20-92, 7-30-92		✓		

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:

This stream was cataloged from Redfox lagoon to the first lake. We continued to document coho salmon throughout the next four lakes and their tributaries. The extent of coho salmon fry on the main stem is just below the beaver dam (total barrier) forming lake five. At this station we shocked .5 m² for 5 seconds capturing one juvenile coho. Shocked a 115 mm rainbow trout at the outlet of Lake 4. Observed others. Observed Approx. 12 rainbow trout up to 11 inches in length in the connection between lake 1 and lake 2. Photos taken. Observed Dolly varden throughout the main stem. See final report for detailed narrative and map.

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

Date: 8-11-92 Signature: Jeff Bernhart

Address: ADF&G Habitat Division, Anchorage Alaska

Signature of Area Biologist: ____

Rev. 12/91

FISH HABITAT ASSESSMENT 1992

FORM 1: STREAM

Number correction

ver 062692.0

STREAM#: 252 ~~B1~~-10045 251-50-10045 JB DATE: 7/30/92

STREAM NAME: REDFOX CREEK

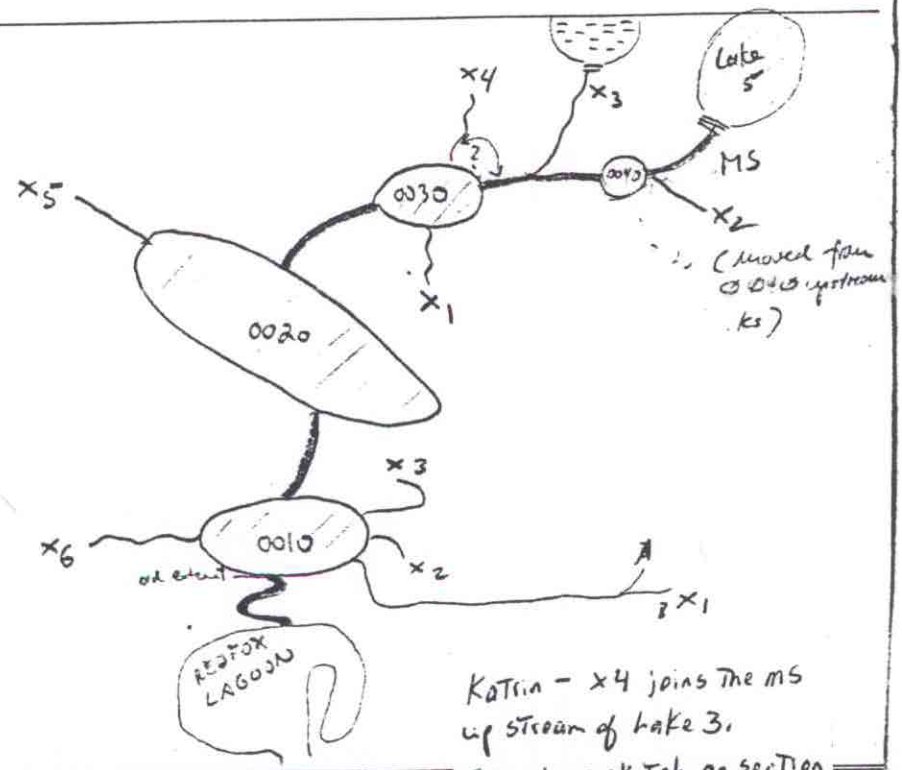
LOCATION: REDFOX BAY, SOUTHWEST END

MOUTH-LATITUDE: _____ MOUTH-LONGITUDE: _____

TEAM: BFWS STAGE: H__ M ✓ L__

COMMENTS: This stream was catalogued up to the first lake. We continued to document Coho salmon throughout the next 4 lakes and their tributaries.

SKETCH:



Katrin - x4 joins the MS up stream of Lake 3. See your sketch on section form x-4. My sketch also shows x-4 ~~[illegible]~~ joining the MS above Lake 3 OK.

FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION

ver 062692.0

STREAM#: 251-50-10045-- SECTION: ms

DATE: 7/30/92 METHOD: Foot DIREC: UP X DOWN ___

START LAT: 58 26 19.8 START LON: 152 37 29.9

END LAT: 58 26 18.6 END LON: 152 37 31.0

LENGTH (m): 85m WIDTH (m): 3 GRADIENT (%): 2

BANK TYPE: V shaped, veg STREAM DEBRIS: woody / spruce needles

BANK VEGETATION: DC, grasses, Ferns, skunk cabbage, horse tail

STREAM SUBSTRATE: CO, GR, S

BANK SUBSTRATE: veg, GR, CO

CHARACTER: total blockage (SH) beaver dam, swift moving flattens out into slow moving & then into lake

COMMENTS: photo frame 23 roll 4 - shocked coho at base of beaver dam. Station located between swift + flat area of stream.

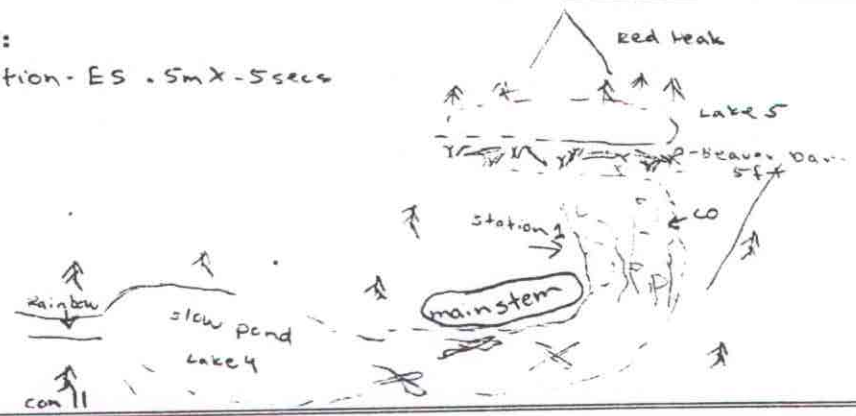
shocked a 115mm Rainbow at outlet of Lake 4 (Frame 22 roll 4) - photo of Rainbow

GPS FILENAME: A07310003 TOTAL BARRIER? Y X N ___

STREAM TYPE: A X B ___ C ___ IF BARRIER IS TOTAL, LAT: 58 26 18.6 LON: 152 37 31.0

SKETCH:

station - ES . 5m x - 5secs



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#: 251-50-10045 SECTION: MS

STATION: 1 DATE: 07/30/92 GPS-ID: 1073 100 C FIX:

STATION-LAT: 59 26 18.6 STATION-LON: 152 37 31.0

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

CONDUCT: 11 AREA SHOCKED (sqm): .5

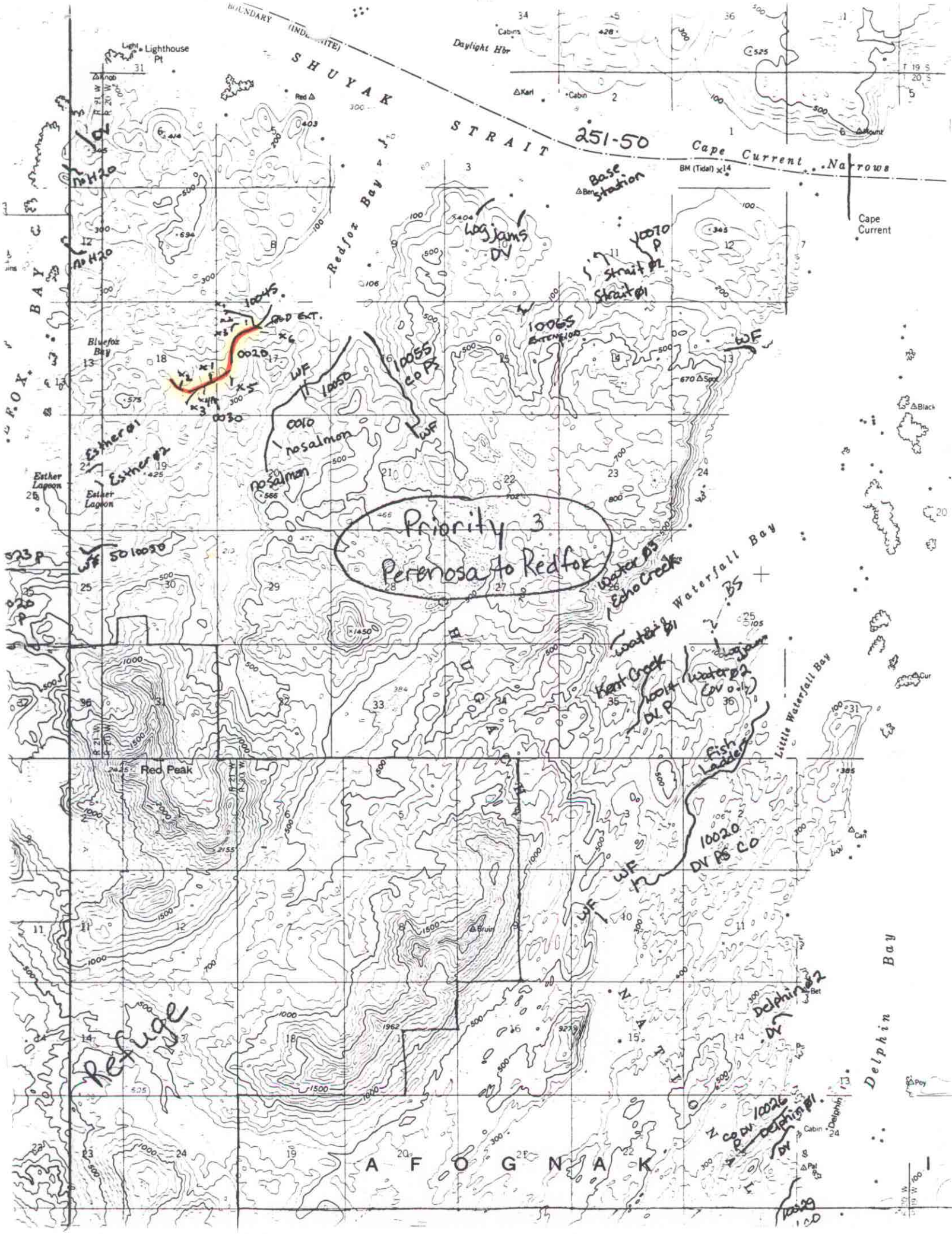
FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	JUV	1	-

WILDLIFE

SPECIES	COUNT	COMMENTS

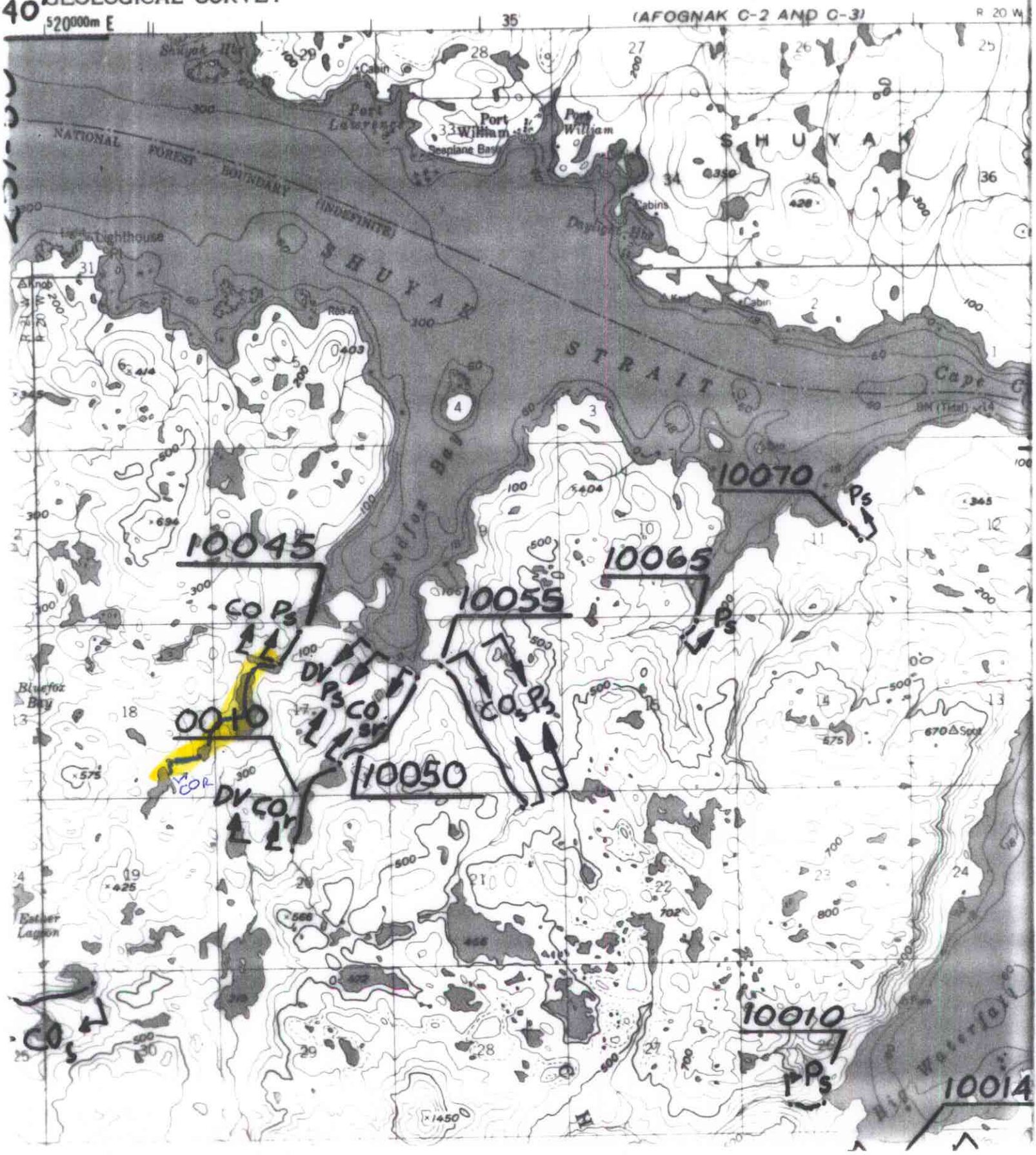
STATION COMMENTS:
EXTENT OF COHO ON THE MAINSTEM IS AT THIS STATION, JUST BELOW THE BEAVERDAM FORMING LAKE 5.

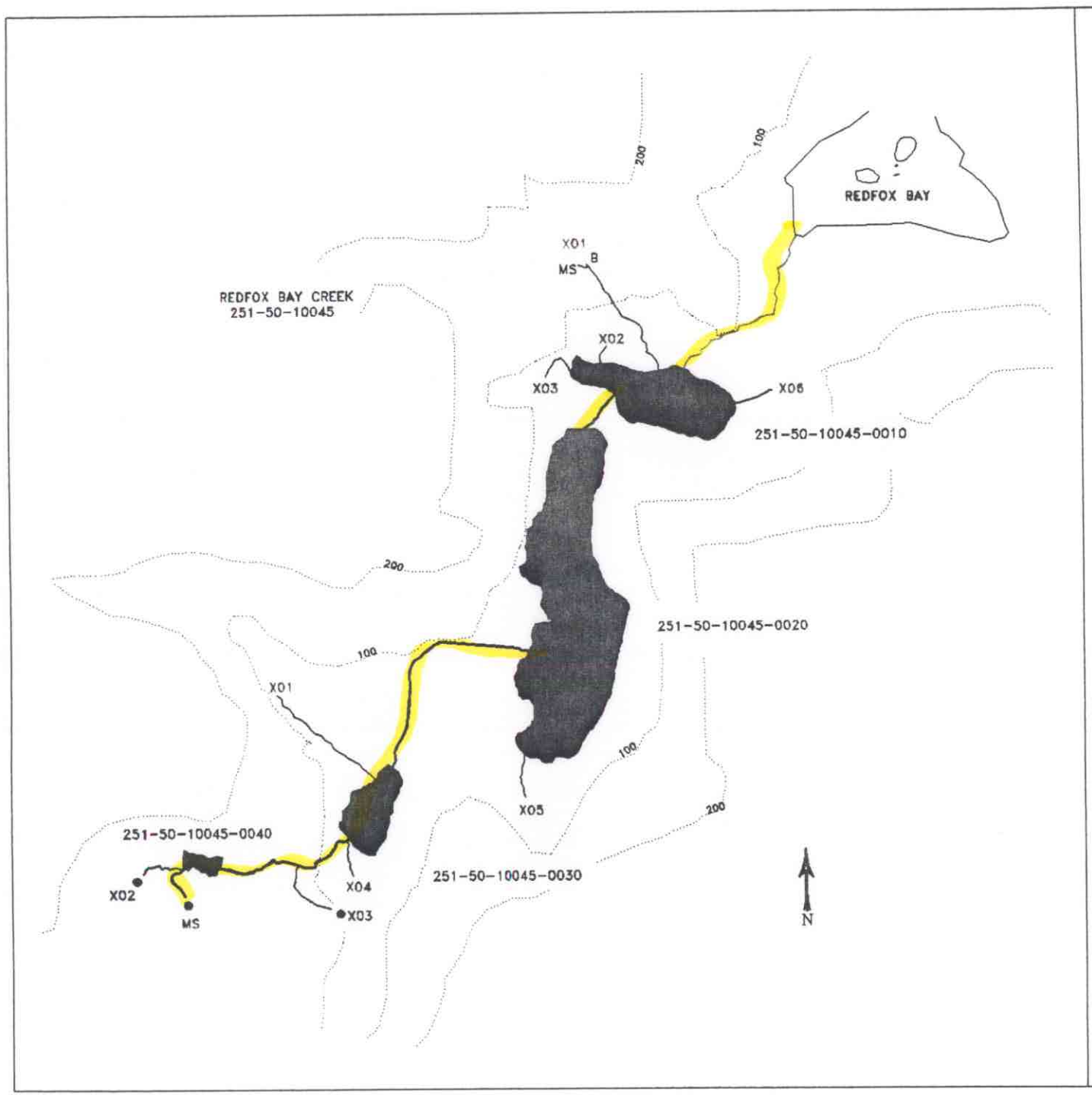


SHUYAK STRAIT
251-50
Cape Current Narrows
Cape Current
Redfox Bay
Lighthouse Pt
Daylight Hbr
Base Station
Logjams DV
10070 P
Strait #2
Strait #1
10065 EXTENSION
10045
RED EXT.
0020
0030
WF
10050
10055 CO PS
0010
no salmon
no salmon
Bluefox Bay
Esther #1
Esther #2
Esther Lagoon
Priority 3
Perenosa to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

EXTENDS
251-50-10015
w/ COR

UNITED STATES
PARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





MAP 6-B

STREAM HABITAT ASSESSMENT

PROJECT R-47

REDFOX BAY

LEGEND

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

SCALE

1000 2000 3000

4000 m

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

December 15, 1992

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

ALASKA DEPT. OF
FISH & GAME

OCT 1 5 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 251-50-10045-~~TS~~ 0010

Name of Waterway Redfox Creek USGS name ___ Local name ✓

Addition ✓ Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 93 142	[signature] 11/3/92
Revision Year: '93	Regional Supervisor Date
Revision to: Atlas ___ Catalog ___	Ed Weiss Enw 1/4/93
Both X	L. Irone 1/14/93
Revision Code: A-1	Drafted Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho fry	7-20-92, 7-30-92		x		x
Rainbow Trout	7-20-92, 7-30-92		x		
Dolly varden	7-20-92, 7-30-92		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:

This stream was cataloged from Redfox lagoon to the first lake. We continued to document coho salmon throughout the next four lakes and their tributaries. The extent of coho salmon fry on the main stem is just below the beaver dam (total barrier) forming lake five. At this station we shocked .5 mi for 5 seconds capturing one juvenile coho. Shocked a 115 mm rainbow trout at the outlet of Lake 4. Observed others. Observed Approx. 12 rainbow trout up to 11 inches in length in the connection between lake 1 and lake 2. Photos taken. Observed Dolly varden throughout the main stem. See final report for detailed narrative and map.

Name of Observer (please print) Katrin Sundet, Aimee Wesemen, 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 2: SECTION

ver 062692.0

STREAM#: 251-50-10045-- SECTION: ms

DATE: 7/30/92 METHOD: Foot DIREC: UP X DOWN __

START LAT: 58 26 19.8 START LON: 152 37 29.9

END LAT: 58 26 18.6 END LON: 152 38 31.0

LENGTH (m): 85m WIDTH (m): 3 GRADIENT (%): 2

BANK TYPE: V shaped, veg STREAM DEBRIS: woody / spruce needles

BANK VEGETATION: DC, grasses, ferns, skunk cabbage, horse tail

STREAM SUBSTRATE: CO, GR, S

BANK SUBSTRATE: veg, GR, CO

CHARACTER: total blockage beaver dam, swift moving flattens out into slow moving & then into lake

COMMENTS: photo frame 23 roll 4 - shocked coho at base of beaver dam. Station located between swift + flat area of stream.

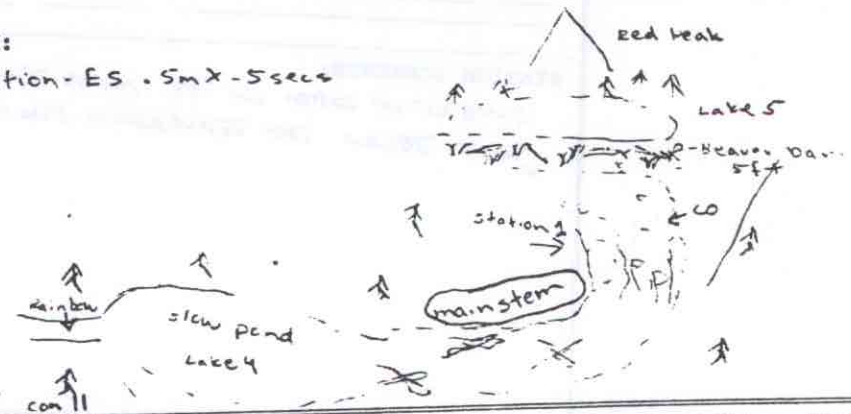
shocked a 115mm Rainbow at outlet of Lake 4 (Frame 22 roll 9) - photo of Rainbow

GPS FILENAME: A07310003 TOTAL BARRIER? Y X N __

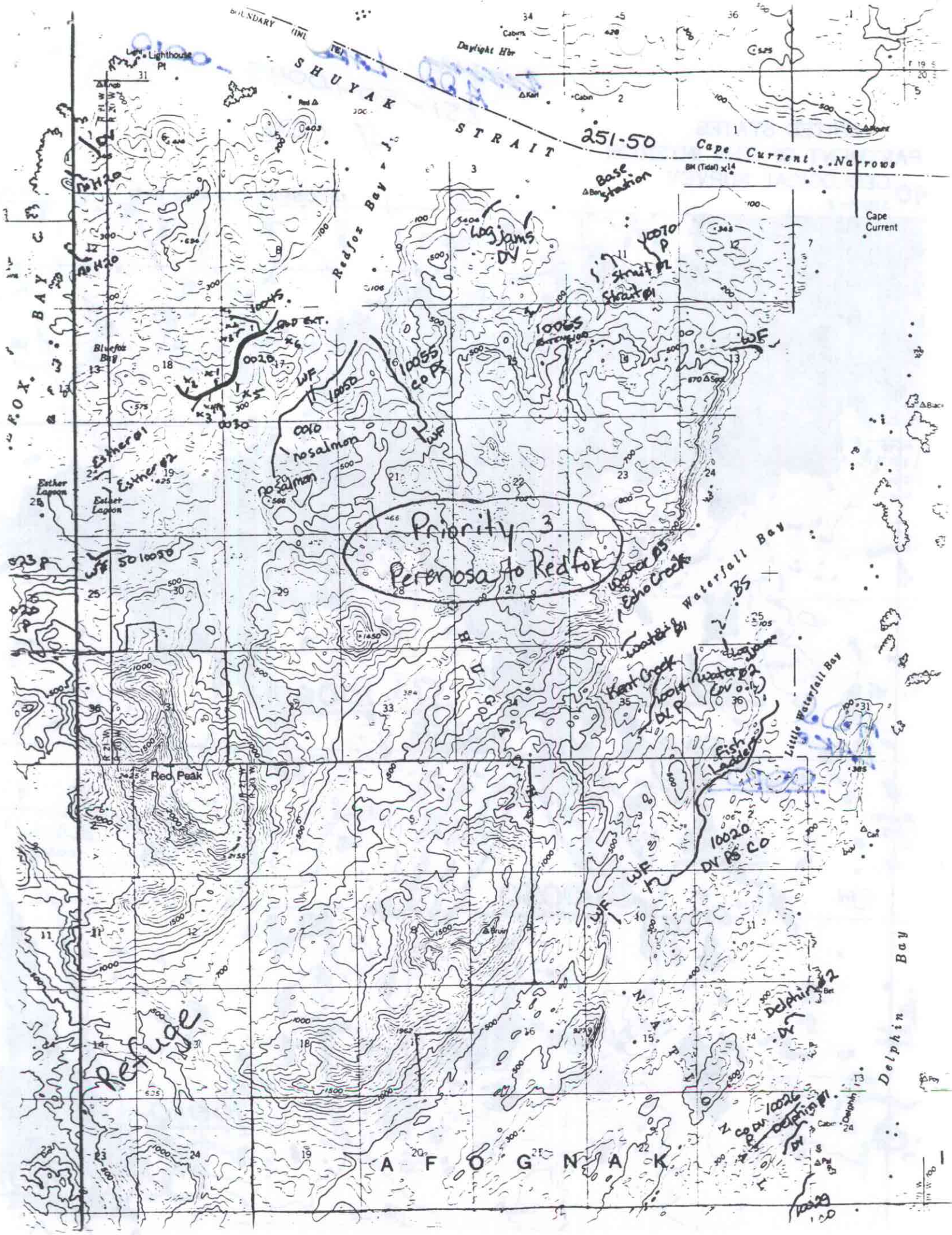
STREAM TYPE: A X B __ C __ IF BARRIER IS TOTAL, LAT: 58 26 19.6 LON: 152 37 31.0

SKETCH:

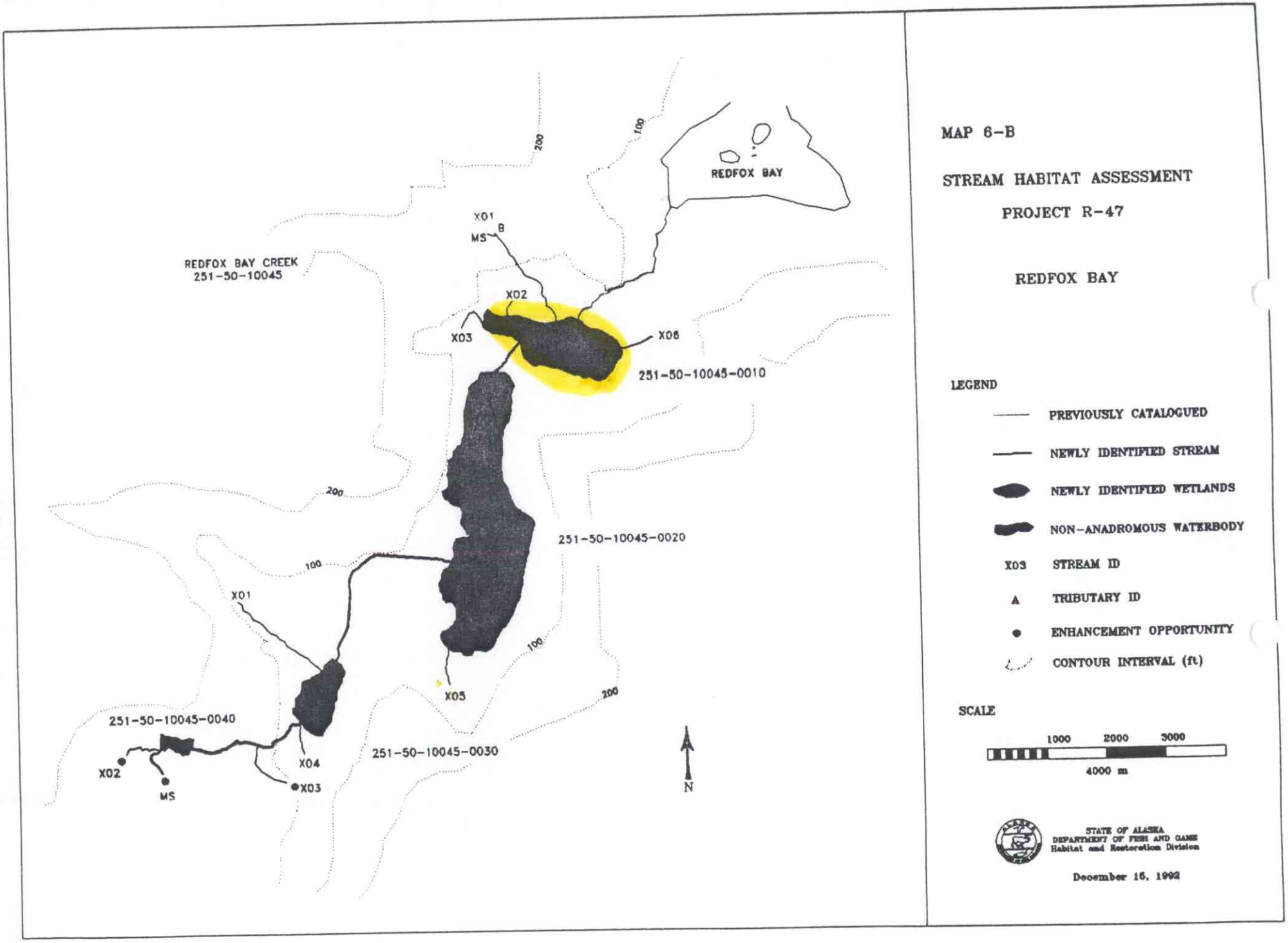
station - ES . 5m x - 5 secs



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



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


REDFOX BAY
REDFOX BAY CREEK
251-50-10045
X01
B
MS
X02
X03
X06
251-50-10045-0010
251-50-10045-0020
X01
X05
251-50-10045-0040
X02
MS
X04
X03
251-50-10045-0030
200
100
N
MAP 6-B
STREAM HABITAT ASSESSMENT
PROJECT R-47
REDFOX BAY
LEGEND
PREVIOUSLY CATALOGUED
NEWLY IDENTIFIED STREAM
NEWLY IDENTIFIED WETLANDS
NON-ANADROMOUS WATERBODY
X03 STREAM ID
A TRIBUTARY ID
ENHANCEMENT OPPORTUNITY
CONTOUR INTERVAL (ft)
SCALE
1000 2000 3000
4000 m
STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
Habitat and Restoration Division
December 16, 1992

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

ALASKA DEPT. OF FISH & GAME
OCT 15 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 251-50-10045-0020

Name of Waterway Redfox Creek USGS name ___ Local name ✓

Addition ✓ Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination #	93 142	[signature] Regional Supervisor	11/3/92 Date
Revision Year:	'93		
Revision to: Atlas ___ Catalog ___		Ed Weiss Ewen	1/4/93
Both X		L. Brone Drafted	1/14/93 Date
Revision Code:	A-1		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho fry	7-20-92, 7-30-92		x		x
Rainbow Trout	7-30-92, 7-30-92		x		
Dolly varden	7-20-92, 7-30-92		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:

This stream was cataloged from Redfox lagoon to the first lake. We continued to document coho salmon throughout the next four lakes and their tributaries. The extent of coho salmon fry on the mainstem is just below the beaver dam (total barrier) forming lake five. At this station we shocked .5 mi for 5 seconds capturing one juvenile coho. Shocked a 115 mm rainbow trout at the outlet of Lake 4. Observed others. Observed Approx. 12 rainbow trout up to 11 inches in length in the connection between lake 1 and lake 2. Photos taken. Observed Dolly varden throughout the mainstem. 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 2: SECTION

ver 062692.0

STREAM#: 251-50-10045 SECTION: ms

DATE: 7/30/92 METHOD: Foot DIREC: UP X DOWN ___

START LAT: 58 26 19.8 START LON: 152 37 29.9

END LAT: 58 26 18.6 END LON: 152 38 31.0

LENGTH (m): 85m WIDTH (m): 3 GRADIENT (%): 2

BANK TYPE: V shaped, veg STREAM DEBRIS: woody / spruce needles

BANK VEGETATION: DC, grasses, ferns, skunk cabbage, horse tail

STREAM SUBSTRATE: CO, GR, S

BANK SUBSTRATE: veg, GR, CO

CHARACTER: total blockage by beaver dam, swift moving flattens out into slow moving & then into lake

COMMENTS: photo frame 23 roll 4 - shocked coho at base of beaver dam. Station located between swift + flat area of stream.

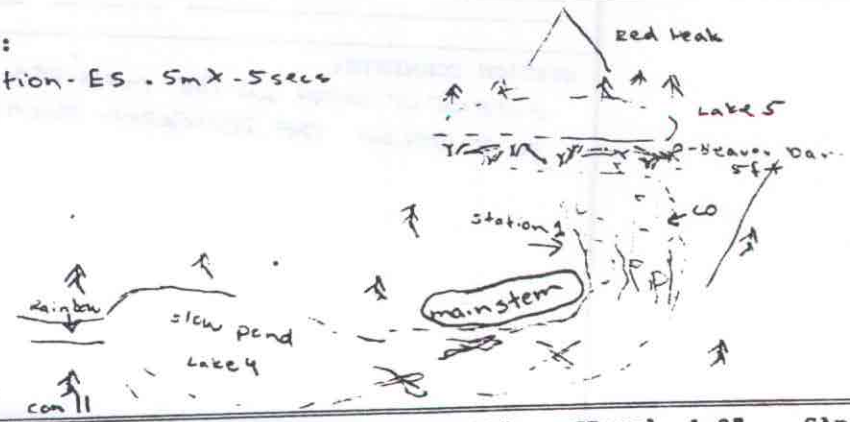
shocked a 115mm Rainbow at outlet of Lake 4 (Frame 22 roll 9) - photo of Rainbow

GPS FILENAME: A0731003 TOTAL BARRIER? Y X N ___

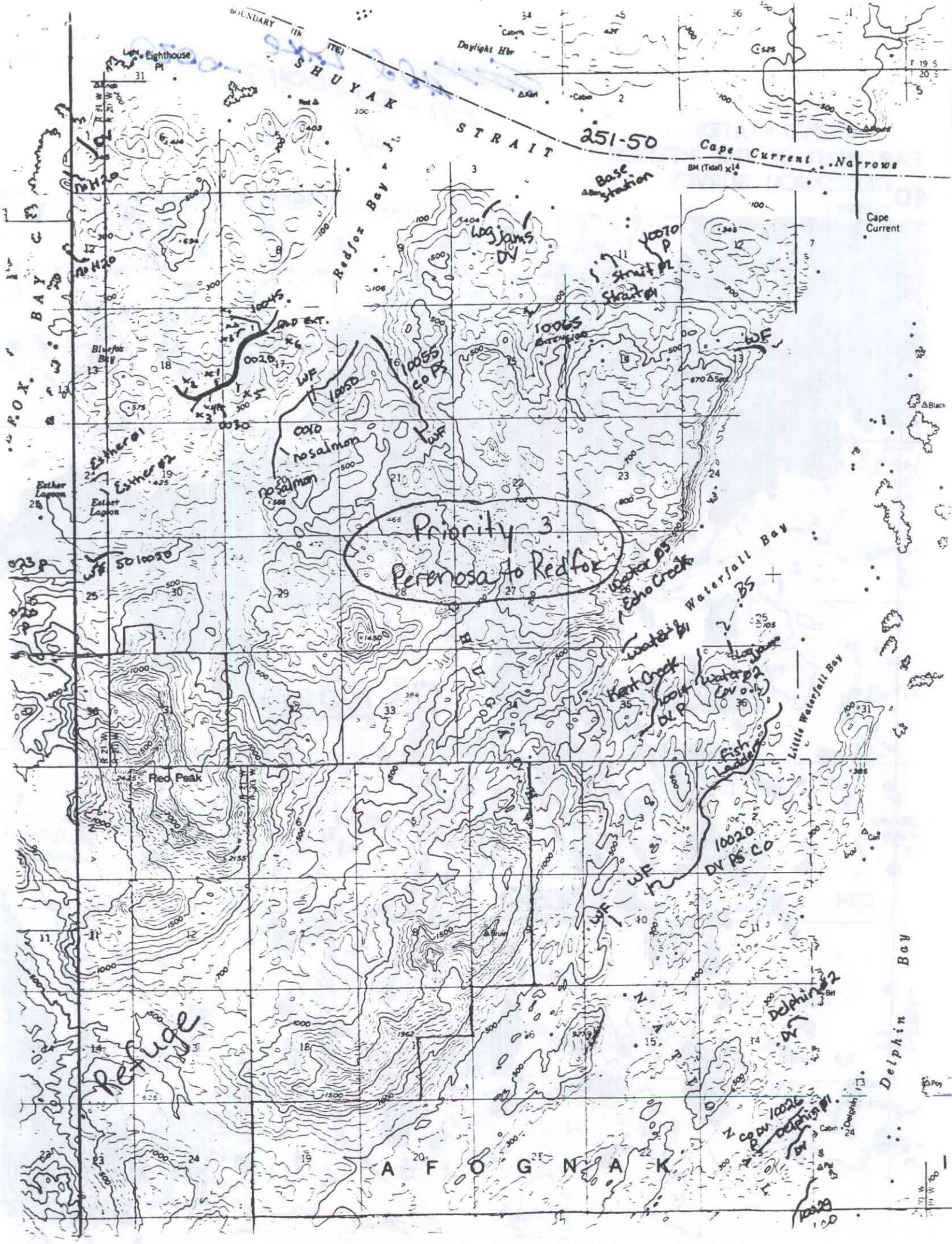
STREAM TYPE: A X B ___ C ___ IF BARRIER IS TOTAL, LAT: 58 26 18.6 LON: 152 38 31.0

SKETCH:

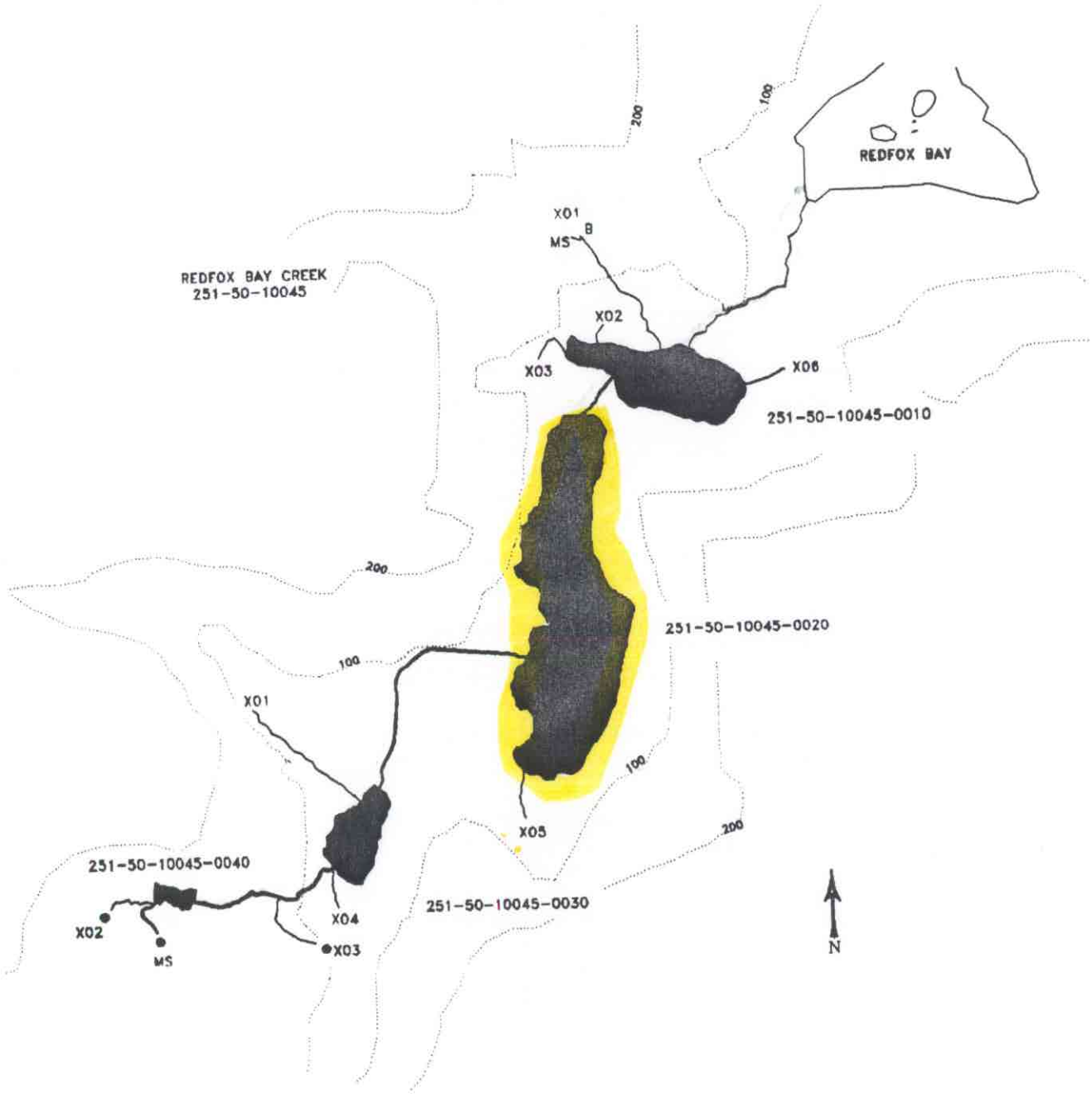
station - ES . 5m x - 5 secs



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



SHUYAK STRAIT
251-50
Cape Current Narrows
Cape Current
Daylight Hbr
Lighthouse Pt
Redfox Bay
Bluefox Bay
Esther Lagoon
Esther Lagoon
Red Peak
Waterfall Bay
Little Waterfall Bay
Delphin Bay
AFOGNAK
Priority 3
Perenosa to Redfox
Refuge
Base station
Log jams DV
Strait #2
Strait #1
10070 P
10065
10045
0020
0030
10050
10055 CO PS
0010
no salmon
no salmon
WF
Esther #1
Esther #2
Water #5
Echo Creek
Water #1
Kent Creek
Water #2
Fish Ladder
10020 DV PS CO
Delphin #2
Delphin #1
10026
10029



MAP 6-B

STREAM HABITAT ASSESSMENT

PROJECT R-47

REDFOX BAY

LEGEND

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

SCALE

1000 2000 3000

4000 m

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

December 15, 1992

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

ALASKA DEPT. OF FISH & GAME

OCT 15 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 251-50-10045-0030

Name of Waterway Redfox Creek USGS name ___ Local name ✓

Addition ✓ Deletion ___ Correction ___ Backup Information ___

For Office Use

Nomination # 93 142	Regional Supervisor	Date 11/3/92
Revision Year: 93		
Revision to: Atlas ___ Catalog ___ Both X	Ed Weiss (Ewiss)	1/4/93
Revision Code: A-1	Drafted	Date 1/14/93

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho fry	7-30-92, 7-30-92		+		+
Rainbow Trout	7-30-92, 7-30-92		+		
Dolly varden	7-30-92, 7-30-92		+		

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:

This stream was catalaged from Redfox lagoon to the first lake. We continued to document Coho salmon throughout the next four lakes and their tributaries. The extent of coho salmon fry on the main stem is just below the beaver dam (total barrier) forming lake five. At this station we shocked 5 min for 5 seconds capturing one juvenile coho. Shocked a 115mm rainbow trout at the outlet of lake 4. Observed others. Observed Approx. 12 rainbow trout up to 11 inches in length in the connection between lake 1 and lake 2. Photos taken. Observed Dolly varden throughout the main stem. See final report for detailed narrative and map.

Name of Observer (please print) Katrin Sundet, Amee Wesemann, Mark Fink, Jeff Bernhart

Date: 8-11-92 Signature: Jeff Bernhart

Address: ADF&G Habitat Division, Anchorage

Signature of Area Biologist: ___

Rev. 12/91

FISH HABITAT ASSESSMENT 1992

FORM 2: SECTION

ver 062692.0

STREAM#: 251-50-10045-- SECTION: ms

DATE: 7/30/92 METHOD: Foot DIREC: UP X DOWN ___

START LAT: 58 26 19.8 START LON: 152 37 29.9

END LAT: 58 26 18.6 END LON: 152 38 31.0

LENGTH (m): 85m WIDTH (m): 3 GRADIENT (%): 2

BANK TYPE: V shaped, veg STREAM DEBRIS: woody / spruce needles

BANK VEGETATION: DC, grasses, ferns, skunk cabbage, horse tail

STREAM SUBSTRATE: CO, GR, S

BANK SUBSTRATE: veg, GR CO

CHARACTER: total blockage beaver dam, swift moving flattens out into slow moving & then into lake

COMMENTS: Photo frame 23 roll 4 - shocked coho at base of beaver dam. Station located between swift & flat area of stream.

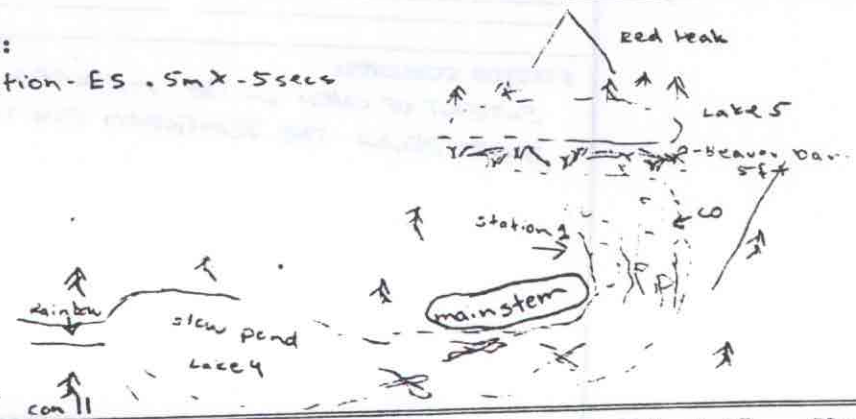
shocked a 115mm Rainbow at outlet of Lake 4 (Frame 22 roll 9) - photo of Rainbow

GPS FILENAME: A0731003 TOTAL BARRIER? Y X N ___

STREAM TYPE: A X B ___ C ___ IF BARRIER IS TOTAL, LAT: 58 26 18.6 LON: 152 37 31.0

SKETCH:

station - ES . 5m X - 5secs



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

FISH HABITAT ASSESSMENT 1992

FORM 1: STREAM

ver 062692.0

0300 – Number correction

STREAM#: 252 B1-L0045 251-50-10045 JB DATE: 7/30/92

STREAM NAME: REDFOX CREEK

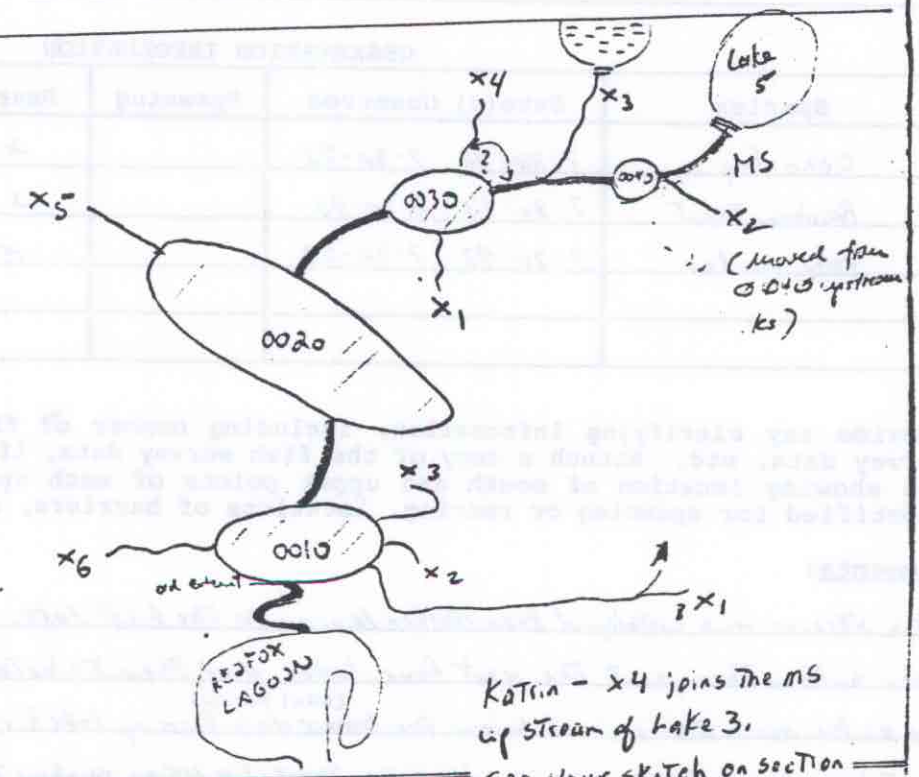
LOCATION: REDFOX BAY, SOUTHWEST END

MOUTH-LATITUDE: _____ MOUTH-LONGITUDE: _____

TEAM: B FWS STAGE: H__ M ✓ L__

COMMENTS: This stream was catalogued up to the first lake. We continued to document Coho salmon throughout the next 4 lakes and their tributaries.

SKETCH:



Katrin – x4 joins the MS up stream of Lake 3. See your sketch on section form x-4. My sketch also shows x-4 ~~joins~~ joining the MS above Lake 3 OK.

FISH HABITAT ASSESSMENT 1992

FORM 3: STATION

ver 062692.0

STREAM#: 251-50-10045 SECTION: MS

STATION: 1 DATE: 07/30/92 GPS-ID: 1073 100 C FIX:

STATION-LAT: 59 26 18.6 STATION-LON: 152 37 31.0

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

CONDUCT: 11 AREA SHOCKED (sqm): .5

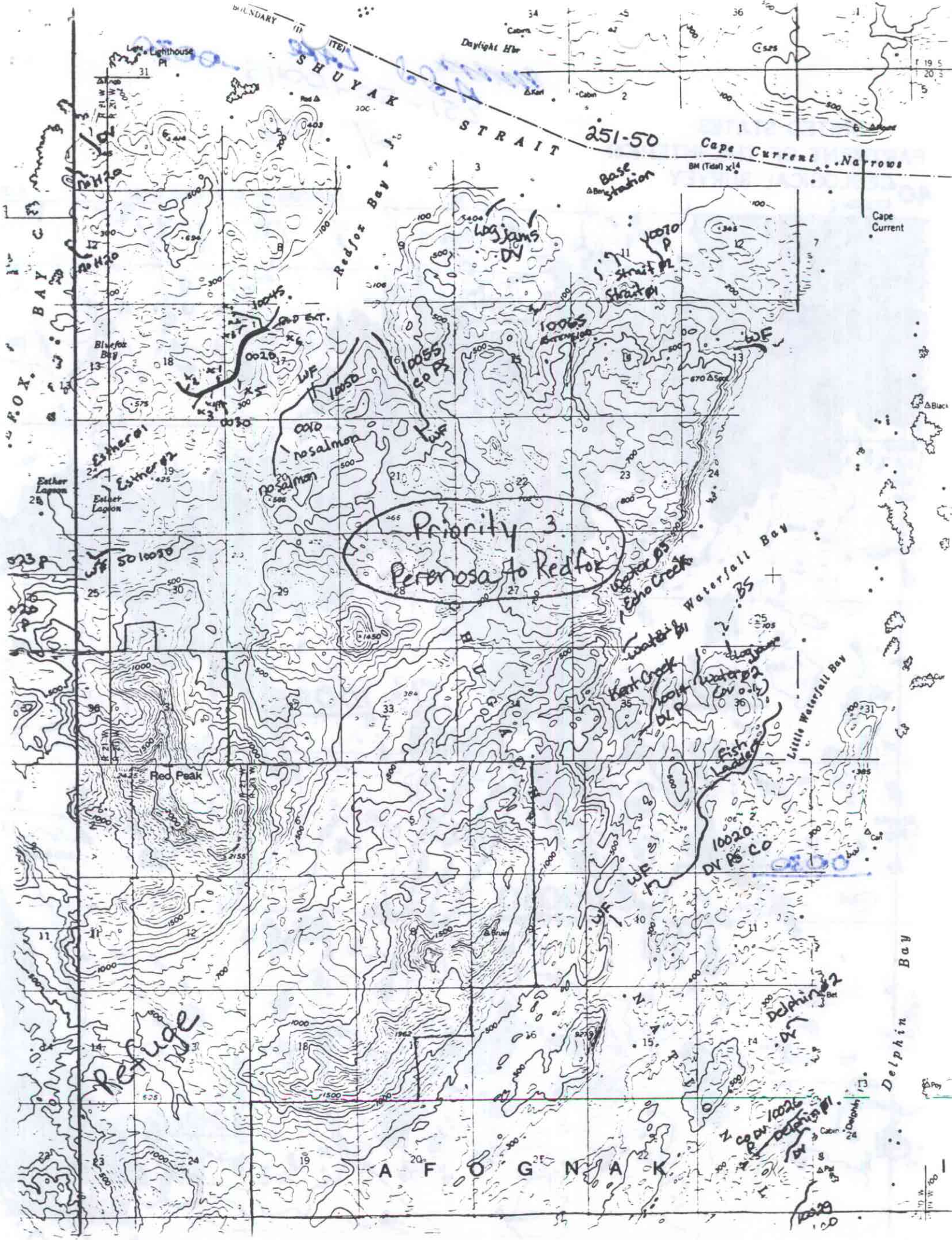
FISH

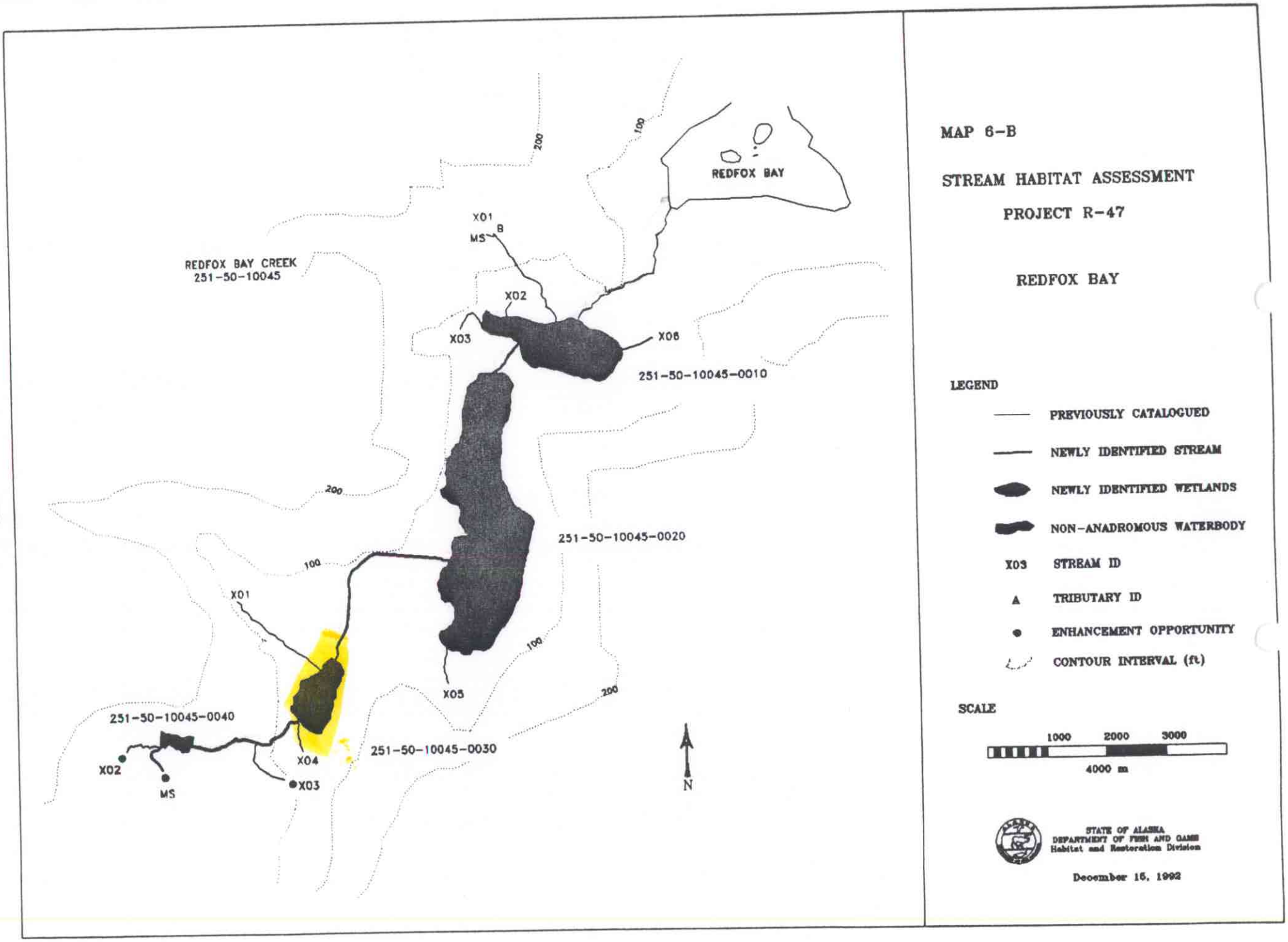
SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	JUV	1	-

WILDLIFE

SPECIES	COUNT	COMMENTS

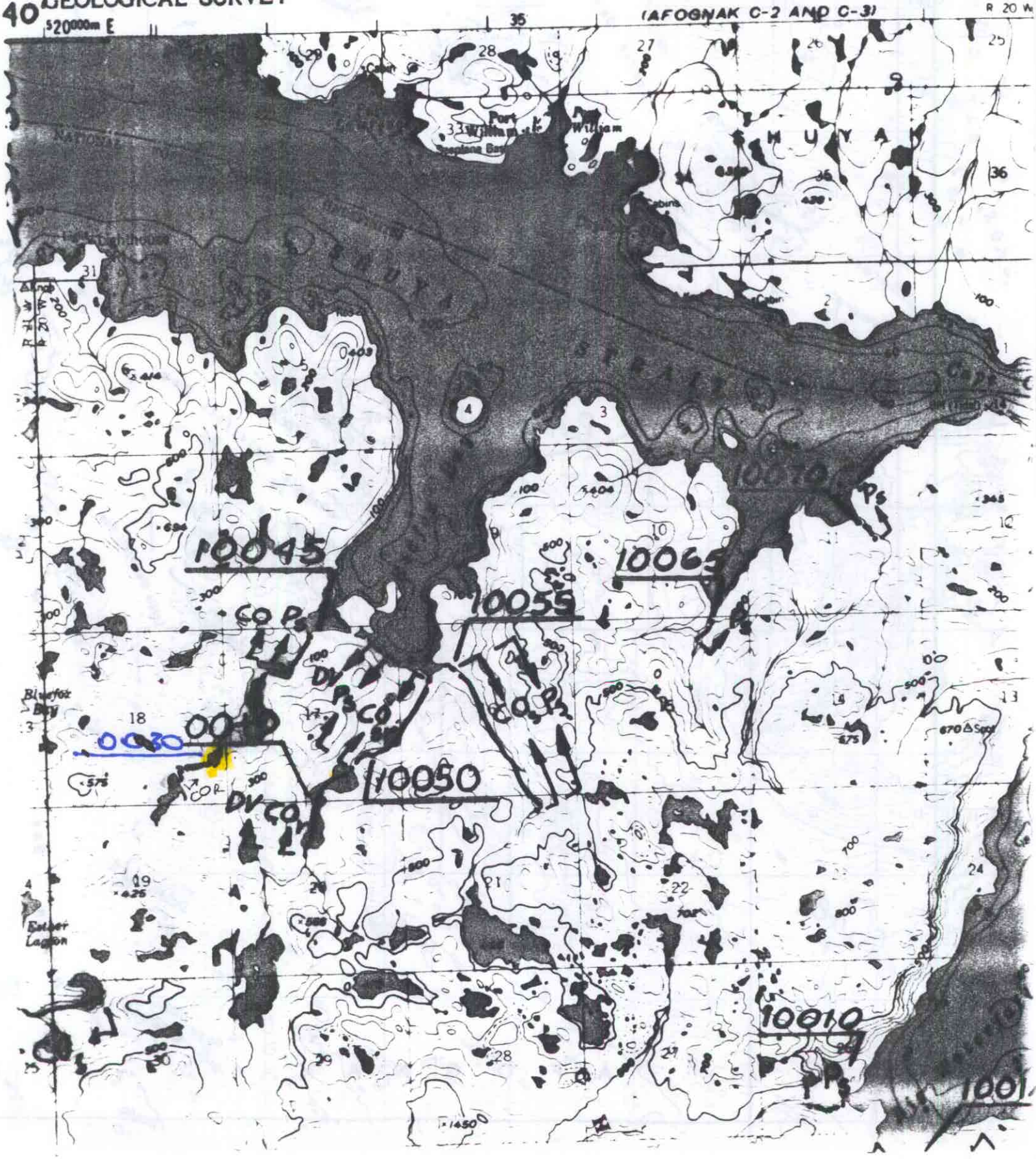
STATION COMMENTS:
EXTENT OF COHO ON THE MAINSTEM IS AT THIS STATION, JUST BELOW THE BEAVERDAM FORMING LAKE 5.


SHUYAK STRAIT
251-50
Cape Current Narrows
Cape Current
Daylight Hbr
Lighthouse Pt
Base Station
Redfox Bay
Log Jams DV
Strait #2
Strait #1
Bluefox Bay
Esther #1
Esther #2
Esther Lagoon
no salmon
Priority 3
Perenosa to Redfox
Waterfall Bay
Echo Creek
Kent Creek
Little Waterfall Bay
Fish Ladder
Red Peak
Delphin Bay
Delphin #2
Delphin #1
Refuge
A F O G N A K


REDFOX BAY
REDFOX BAY CREEK
251-50-10045
X01
MS
B
X02
X03
X06
251-50-10045-0010
251-50-10045-0020
X01
X05
251-50-10045-0040
X02
MS
X04
X03
251-50-10045-0030
200
100
N
MAP 6-B
STREAM HABITAT ASSESSMENT
PROJECT R-47
REDFOX BAY
LEGEND
PREVIOUSLY CATALOGUED
NEWLY IDENTIFIED STREAM
NEWLY IDENTIFIED WETLANDS
NON-ANADROMOUS WATERBODY
X03 STREAM ID
TRIBUTARY ID
ENHANCEMENT OPPORTUNITY
CONTOUR INTERVAL (ft)
SCALE
1000 2000 3000
4000 m
STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
Habitat and Restoration Division
December 15, 1992

ENTERED Add LAKE
251-50-10045-0030
w/ COR

UNITED STATES
PARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



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

ALASKA DEPT. OF
FISH & GAME

OCT 15 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 251-50-10045-~~ms~~ 0040

Name of Waterway Redfox Creek USGS name ____ Local name ✓

Addition ✓ Deletion ____ Correction ____ Backup Information ____

For Office Use

Nomination # 93 142	[signature] Regional Supervisor	11/3/92 Date
Revision Year: 93	Ed Weiss Enw	1/4/93
Revision to: Atlas ____ Catalog ____ Both X	[signature] Drafted	1/14/93 Date
Revision Code: A-1		

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho fry	7-20-92, 7-30-92		✓		✓
Rainbow Trout	7-30-92, 7-30-92		✓		
Dolly varden	7-20-92, 7-30-92		✓		

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:

This stream was cataloged from Redfox lagoon to the first lake. We continued to document coho salmon throughout the next four lakes and their tributaries. The extent of coho salmon fry on the main stem is just below the beaver dam (total barrier) forming lake five. At this station we shocked .5 m for 5 seconds capturing one juvenile coho. Shocked a 115 mm rainbow trout at the outlet of Lake 4. Observed others. Observed Approx. 12 rainbow trout up to 11 inches in length in the connection between lake 1 and lake 2. Photos taken. Observed Dolly varden throughout the mainstem. See final report for detailed narrative and map.

Name of Observer (please print) Katrin Sundet, Aimee Wesemen, 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 2: SECTION

ver 062692.0

STREAM#: 251-50-10045-- SECTION: .MS

DATE: 7/30/92 METHOD: Foot DIREC: UP X DOWN ___

START LAT: 58 26 19.8 START LON: 152 37 29.9

END LAT: 58 26 18.6 END LON: 152 38 31.0

LENGTH (m): 85m WIDTH (m): 3 GRADIENT (%): 2

BANK TYPE: V shaped, veg STREAM DEBRIS: woody / spruce needles

BANK VEGETATION: DC, Grasses, Ferns, skunk cabbage, horse tail

STREAM SUBSTRATE: CO, GR, S

BANK SUBSTRATE: veg, GR CO

CHARACTER: total blockage (SH) beaver dam, swift moving flattens out into slow moving & then into lake

COMMENTS: Photo Frame 23 roll 4 - shocked coho at base of beaver dam. Station located between swift + flat area of stream.

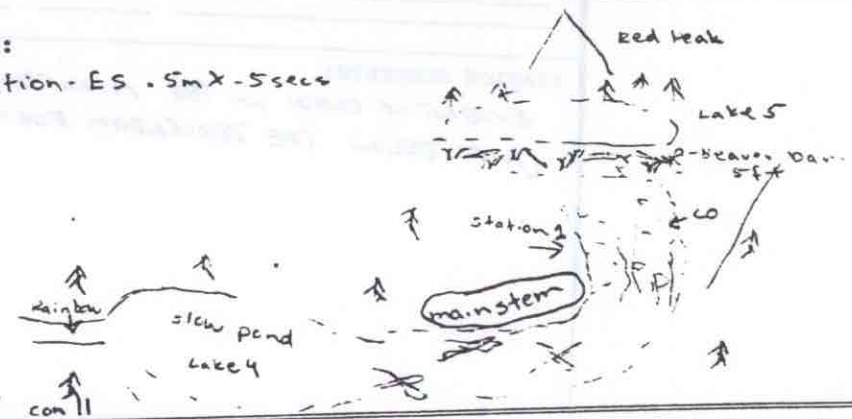
shocked a 115mm Rainbow at outlet of Lake 4 (Frame 22 roll 4) - photo of Rainbow

GPS FILENAME: A0731003 TOTAL BARRIER? Y X N ___

STREAM TYPE: A X B ___ C ___ IF BARRIER IS TOTAL, LAT: 58 26 19.6 LON: 152 39 31.0

SKETCH:

station - ES . 5m x - 5 secs



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

FISH HABITAT ASSESSMENT 1992

FORM 1: STREAM

ver 062692.0

0900 — Number Collection

STREAM#: 252 ~~B1-00045~~ 251-50-10045 JB DATE: 7/30/92

STREAM NAME: REDFOX CREEK

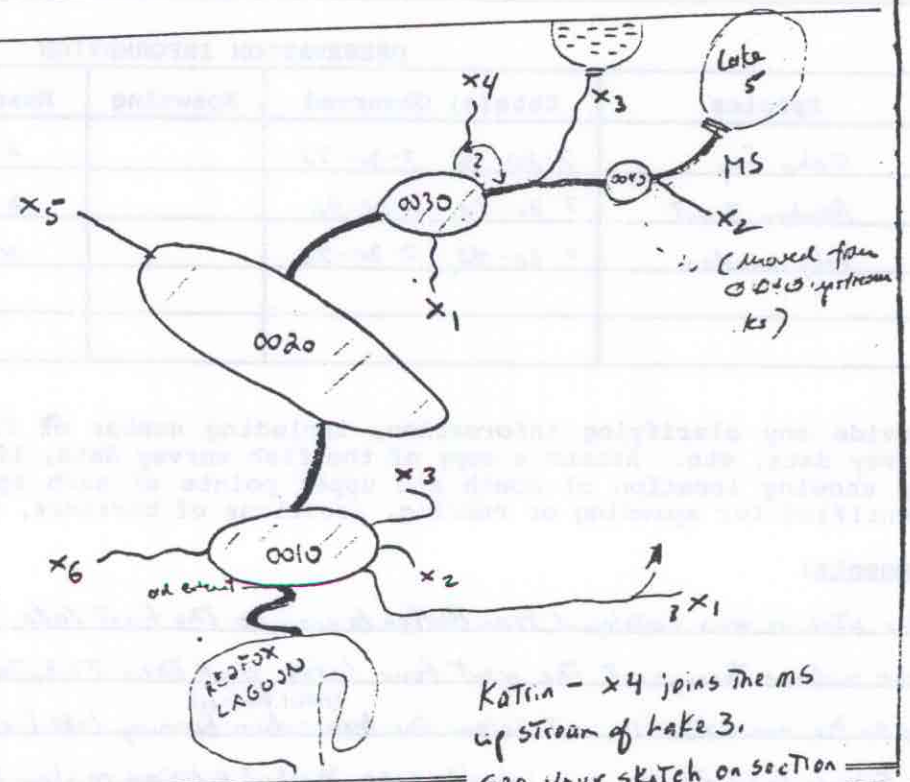
LOCATION: REDFOX BAY, SOUTHWEST END

MOUTH-LATITUDE: _____ MOUTH-LONGITUDE: _____

TEAM: BFWS STAGE: H__ M✓ L__

COMMENTS: This stream was catalogued up to the first lake. We continued to document Coho salmon throughout the next 4 lakes and their tributaries.

SKETCH:



Katrin – x4 joins the MS up stream of Lake 3. See your sketch on section form x-4. My sketch also shows x-4 ~~joins~~ joining the MS above Lake 3 OK.

FISH HABITAT ASSESSMENT 1992

FORM 3: STATION

ver 062692.0

STREAM#: 251-50-10045 SECTION: MS

STATION: 1 DATE: 07/30/92 GPS-ID: 1073 100 C FIX:

STATION-LAT: 59 26 18.6 STATION-LON: 152 37 31.0

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

CONDUCT: 11 AREA SHOCKED (sqm): .5

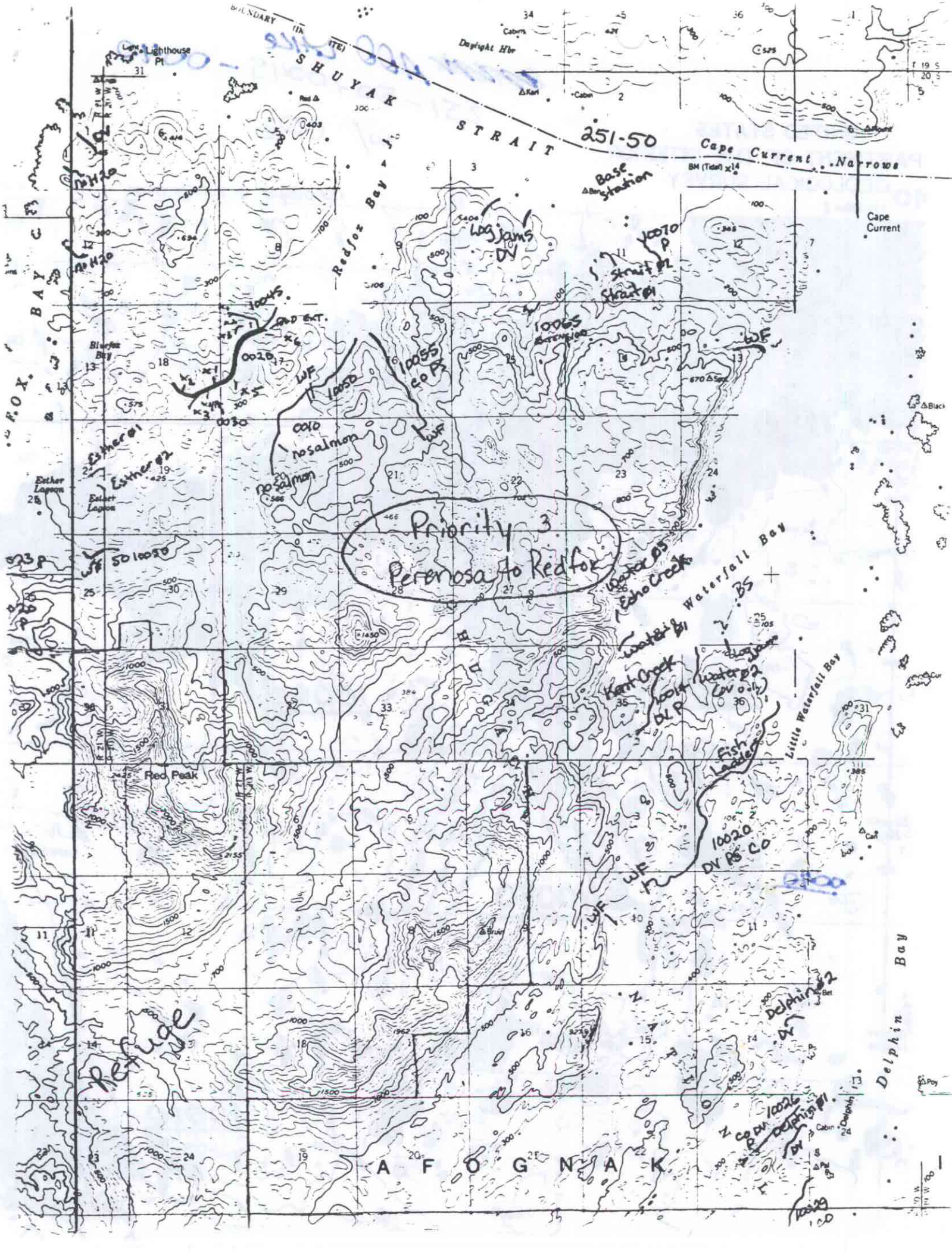
FISH

SPECIES	LIFE STAGE	COUNT	LENGTH (mm)
COHO	JUV	1	-

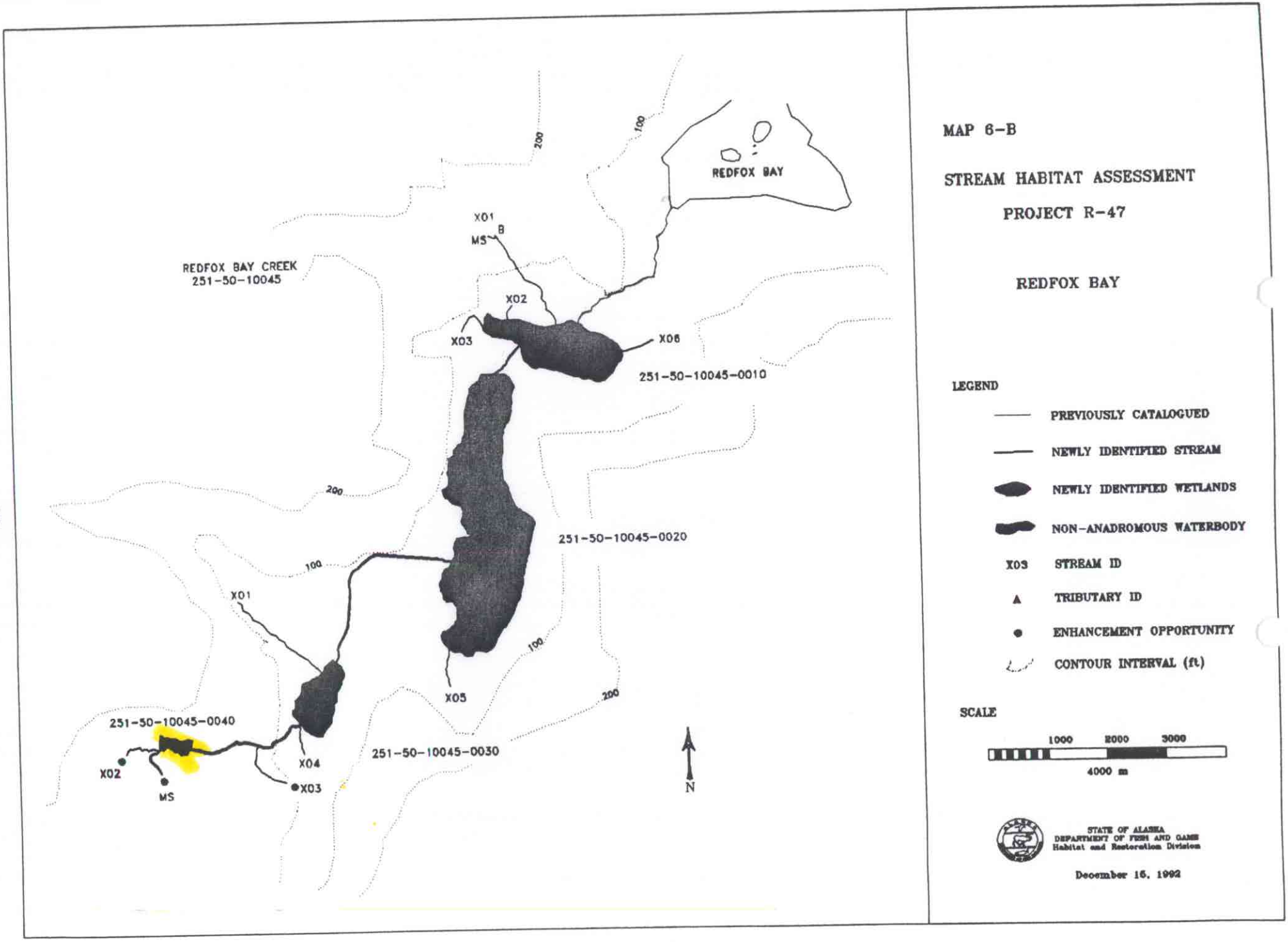
WILDLIFE

SPECIES	COUNT	COMMENTS

STATION COMMENTS:
EXTENT OF COHO ON THE MAINSTEM IS AT THIS STATION, JUST BELOW THE BEAVERDAM FORMING LAKE 5.



SHUYAK STRAIT
251-50
Cape Current Narrows
Cape Current
Lighthouse Pt
Daylight Hbr
Redfox Bay
Base Station
Log jams DV
10070 P
Strait #2
Strait #1
10065
10045
0020
0030
10055 CO PS
10050
0010
no salmon
no salmon
Esther #1
Esther #2
Esther Lagoon
Bluefox Bay
Priority 3
Perenosa to Redfox
Water #5
Echo Creek
Waterfall Bay
Water #1
Kent Creek
10014 DV P
Water #2 (DV only)
Fish Ladder
Little Waterfall Bay
Red Peak
10020 DV PS CO
Delphin #2
Delphin #1
10026
Delphin Bay
Refuge
AFOGNAK


MAP 6-B
STREAM HABITAT ASSESSMENT
PROJECT R-47
REDFOX BAY
REDFOX BAY
REDFOX BAY CREEK
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X01
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SCALE
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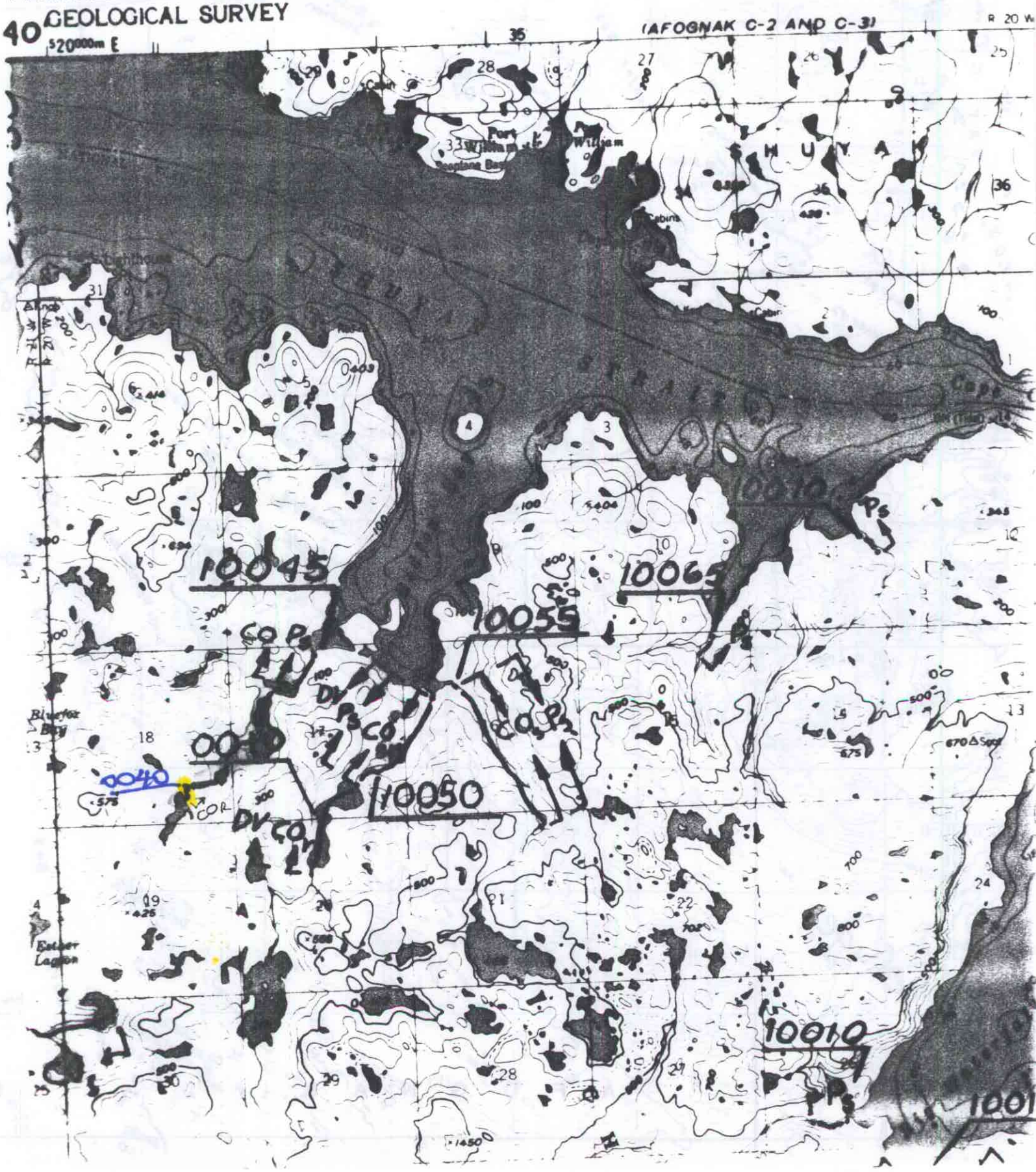
3000
4000 m
STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
Habitat and Restoration Division
December 16, 1992

~~EXTENT~~ ADD LAKE
251-50-10045-0040
w/ COR

UNITED STATES
PARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY