



State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

4

Region Southwest USGS Quad(s) Afognak Kodiak A-2
 Anadromous Waters Catalog Number of Waterway 252-33-10010-2007 (-2006)/3001
 Name of Waterway Unnamed Stream USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>120257</u>	<u>Will Frost</u> Fisheries Scientist	<u>9/14/12</u> Date
Revision Year: _____	<u>Will Frost</u> Habitat Operations Manager	<u>9/4/12</u> Date
Revision to: Atlas _____ Catalog _____ Both _____	<u>Will Frost</u> AWC Project Biologist	<u>9/14/12</u> Date
Revision Code: <u>A-1, B-6, C-9, C-7</u>	<u>Will Frost</u> Cartographer	<u>9/20/12</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Juvenile Coho Salmon (9)	6/13/2012		X		<input checked="" type="checkbox"/>
Dolly Varden				X	<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments Revise hydrography for 252-33-10010- and 2007
ad extent -2007 w/ coho salmon REARING
 During joint ANC sampling, I used an electrofisher to sample for the presence of anadromous fish in the area of timber harvest activity. Juvenile coho salmon were documented above the specified end point. The stream location in the 2011 AWC is incorrect. I used a Garmin GPS to located the correct stream location. See the June 13-15 Trip Report.
Ref nom # 12-231

Name of Observer (please print): Will Frost, Habitat Biologist
 Signature: [Signature] Date: 7/4/2012
 Agency: ADF&G, Division of Habitat
 Address: 333 Raspberry Road
Anchorage, AK 99518

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: _____ Date: _____ Revision 05/08
 Name of Area Biologist (please print): _____



Figure 1



ADF&G

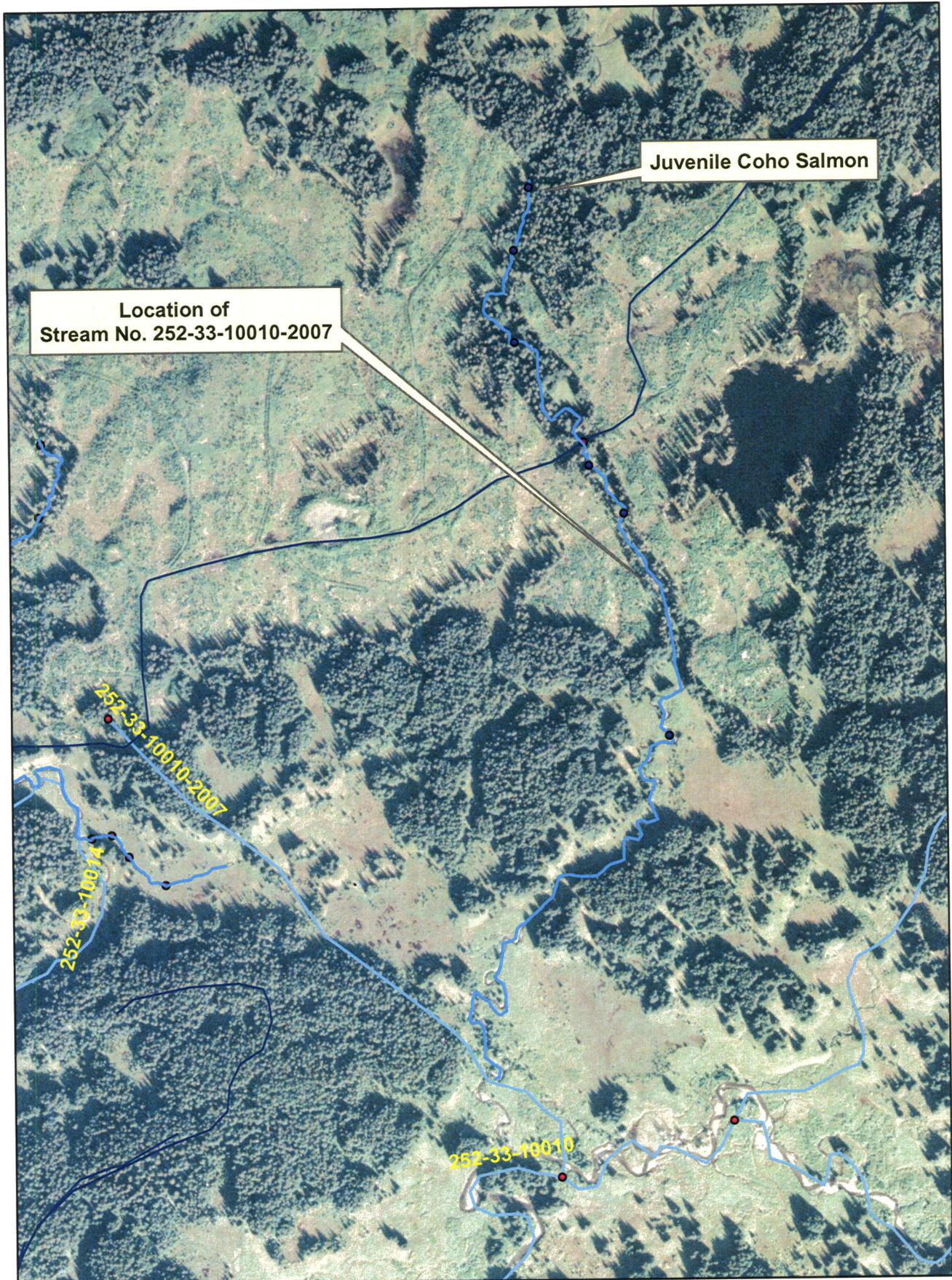


Figure 2



ADF&G

MEMORANDUM

State of Alaska

Department of Fish and Game
Division of Habitat

TO: Michael Daigneault
Central Region
Regional Supervisor

DATE: July 3, 2012

PHONE NO: 267-2813

FROM: Will Frost
Habitat Biologist

SUBJECT: AKSSF AWC Survey: Afognak Island

On June 13 to 15, 2012, I joined Keith Coulter, Koncor, Greg Harris, Afognak Native Corporation (ANC), and Paul Blanche, Alaska Department of Fish and Game (ADF&G) on Afognak Island for the purpose of sampling waters in the area of proposed harvest activities to document the presence of anadromous fish. The information gathered will be used to submit official nominations for inclusion in the Anadromous Waters Catalog and its companion Atlas. Inclusion in the Anadromous Waters Catalog will conserve salmon habitat by providing the 66-foot riparian retention area protection required under the Forest Resources and Practices Act (FRPA). A water body listed in the Anadromous Waters Catalog also afforded additional protection under State law at AS 16.05.871. The weather conditions were a mixture of rain and cool becoming sunny and mild.

On June 13, 2012, Mr. Harris, Mr. Blanche and I drove from the Evergreen Camp to the 1100 Road mile post 2.5 Spur Road. We located Stream No. 252-33-10010-2007 that flows into Cold Creek (Stream No. 252-33-10010). The headwater end point location of the stream depicted in the Anadromous Waters Catalog is incorrect. At about 2:00 p.m., Mr. Blanche and I walked down the stream below the spur road using an electrofisher to sample the stream. I used a hand held Garmin Global Positioning System (GPS) unit to locate the correct headwater end point adjacent to the road and the true stream course to Cold Creek. The true end point location for the stream is located at Section 3, Township 23 South, Range 20 West, Seward Meridian (Figure 1). Sampling below the spur road captured 6 juvenile coho salmon (55 to 85 mm fork length (FL)) and 10 Dolly Varden (55 to 100 mm FL). We walked back to the spur road and sampled above the specified end point an additional 1,500 linear feet (Figure 2). Sampling above the road captured 9 juvenile coho salmon (45 to 65 mm FL) and 25 Dolly Varden (45 to 90 mm FL). We ended our sampling when no additional coho salmon were captured. The corrected stream location and additional specified stream reach will be nominated to the Anadromous Waters Catalog.

On the morning of June 14, 2012, Mr. Harris, Mr. Blanche, and I drove to the 1100 Road. ANC is planning to harvest units in the Discoverer Bay watershed. We located a 4-foot wide unnamed stream that may be Stream No. 251-82-10057-2009. The stream flows under the 1100 Road through a 24-inch diameter culvert. The stream enters Stream No. 251-82-10057-2005 about

670 feet below the 1100 Road at Section 34, Township 21 South, Range 19 West, Seward Meridian. I plan to return to this stream to determine if this is a new stream, or if Stream No. 251-82-10057-2009 is incorrectly located as a tributary to Stream No. 251-82-10057. I sampled the stream from the confluence of Stream No. 251-82-10057-2005 upstream, about 600 linear feet. I captured 5 Dolly Varden. No length measurements were taken for the Dolly Varden. I sampled Stream No. 251-82-10057-2005 from the confluence with the previous stream up to the 1100 Road. The average channel width is about 5 feet. Sampling below the road captured 5 juvenile coho salmon (70 mm FL) and 10 Dolly Varden (30-80 mm FL). The location of the stream depicted in the Anadromous Waters Catalog is incorrect. I used a hand held Garmin GPS unit to identify the correct location. The stream is located at Section 34, Township 21 South, Range 19 West, Seward Meridian. The stream flows through the 1100 Road in a perched 42-inch diameter culvert (Figure 3). In accordance with Alaska Statute (AS) 16.05.871, the culvert must be replaced with a log bridge designed for fish passage. A Fish Habitat Permit will be required to replace the culvert. Because the culvert is a barrier to fish passage, we did not sample above the 1100 Road.

We drove to Stream No. 251-82-10070. We sampled about 675 linear feet of a five-foot wide unnamed tributary to the stream at Section 23, Township 21 South, Range 19 West, Seward Meridian. Sampling captured 30 Dolly Varden (30 to 90 mm FL). No salmon were captured or observed. We located a 10-foot high barrier below a proposed harvest unit (Figure 4). We ended our sampling effort below the barrier.

We drove a number of spur roads in the Stream No. 251-82-10070 watershed to become familiar with the area. ANC has requested the ADF&G sample any tributaries to the stream for future harvest planning. We will begin sampling the remainder of the watershed during our July site visit.

On the morning of June 15, Mr. Coulter, Mr. Blanche and I drove to the end of the maintained 200 Road. We walked a section of the closed 200 Road to Stream No. 252-31-10020. We located a perched 42-inch diameter culvert with the inlet partially buried in gravel (Figure 5). In accordance with AS 16.05.871, the culvert must be removed or if the road is reopened, a bridge must be installed designed for fish passage. A Fish Habitat Permit will be required to remove or replace the culvert. About 300 feet above the road we located a 12-foot high barrier. The barrier is a blockage to adult and juvenile fish. The barrier location will be nominated to the Anadromous Waters Catalog as the new end point of the specified waterbody.

We walked down the stream about 4,500 linear feet to Izhut Bay. We located a 4 foot wide unnamed stream adjacent to the confluence of Stream No. 252-31-10020. The stream is located at Section 23, Township 22 South, Range 19 West, Seward Meridian (Figure 6). We sampled about 100 linear feet of the stream to the base of a 7-foot high barrier. The barrier is a blockage to adult and juvenile fish. Sampling below the barrier captured 5 juvenile coho salmon (20 mm FL) and 1 Dolly Varden, and 30 sculpin. No length measurements were taken for the Dolly Varden and sculpin. The new stream will be nominated to the Anadromous Waters Catalog.

We walked back upstream about 1,200 linear feet to a 10-foot wide unnamed tributary located on the north side of Stream No. 252-31-10020. The stream is located at Section 23, Township 22

South, Range 19 West, Seward Meridian. We sampled about 150 linear feet to the base of 7-foot high barrier. The barrier is a blockage to adult and juvenile fish. Sampling below the barrier captured 1 Dolly Varden (85 mm FL) and 10 sculpin. No length measurements were taken for the sculpin. No salmon were captured or observed.

We walked up Stream No. 252-31-10020 to the confluence with the tributary of the unnamed stream that was located during our May 2012 survey. We walked up the stream 3,200 linear feet to the 200 Road. I used a hand held Garmin GPS unit to locate the correct confluence point and the true stream course to the 200 Road. The correct stream course will be nominated to the Anadromous Waters Catalog.

The ADF&G is currently planning on returning to Afognak for a sampling effort on July 9 through 11, 2012.



Figure 1. Stream No. 252-33-10010-2007.



Figure 2. Upstream view of the new reach to be nominated to the Anadromous Waters Catalog.



Figure 3. Outlet of perched culvert in Stream No. 251-82-10057-2005.



Figure 4. Barrier in unnamed tributary to Stream No. 251-82-10070.



Figure 5. Inlet view of culvert located in Stream No. 252-31-10020 on the closed 200 Road.



Figure 6. New stream that flows into Izhut Bay. View looking downstream.

- cc: S. Schrof, ADF&G
L. Van Daele, ADF&G
D. Tracy, ADF&G
A. Ott, ADF&G
C. Curtis, ADF&G
K. Hanley, ADEC
J. Winters, ADOF
B. Cassidy, KIB
B. Scholze, KIB
K. Coulter, Koncor
G. Harris, ANC

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

1992
 Year of Revision

Anadromous Water Catalog Volume REGION III

USGS Quad AFOGNAK A-2

Name of Waterway _____

Anadromous Water Catalog Number of Waterway 252-33-
10010-2007

ALASKA DEPT.
 FISH & GAME

NOV - 1992

REGION II
 HABITAT DIVISION

For Office Use

Nomination #	<u>92 11</u>
<u>[Signature]</u> Regional Supervisor	<u>1/4/91</u> Date
<u>Ewen</u>	<u>1/23/92</u>
<u>FI</u> Drafted	<u>1/16/92</u> Date

Change to _____ Atlas
 _____ Catalog
 _____ Both

Addition

Deletion _____

Correction _____

Name addition:

USGS name _____

Local name _____

Species	Date(s) Observed	Spawning	Rearing	Migration
<u>COHO</u>	<u>6/1/91</u>		<input checked="" type="checkbox"/>	

Comments: Provide any clarifying information, including number of fish observed, location of fish survey data, etc.

CAPTURED JUVENILE REARING COHO w/ ELECTROFISHER.

OBSERVATIONS MADE DURING THE COURSE OF ADF&G HABITAT DIVISION, FOREST PRACTICES FIELD INSPECTIONS.

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. Attach a copy of the fish survey data, if available.

Name of Observer (please print) MICHAEL WIEDMER

Date: 10/31/91 Signature: [Signature]

Address: HABITAT DIVISION, REGION II, ADF&G
333 RASPBERRY RD., ANCHORAGE AK 99518

Signature of Area Biologist: _____

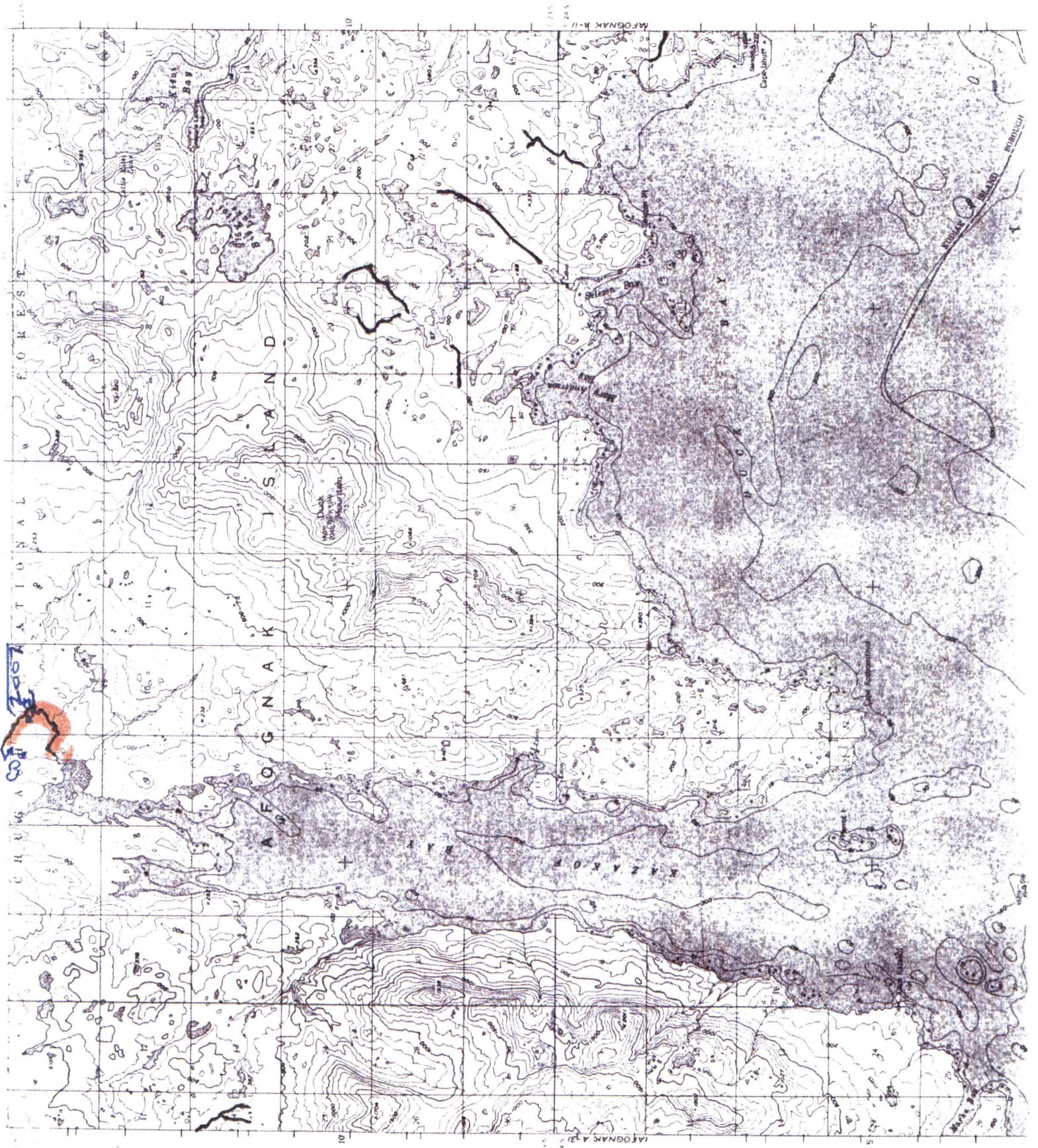
Table 1. Results of Afognak Island Fish Habitat Surveys
May 29 to June 1 and June 29, 1991

Site #	Samp. Date	Fish Species	Comments
1	5/31/91	CO _r , SB, S _r	Above large beaver pond
2	5/31/91	CO _r , RB, DV	Anad. up to beaver pond
3	5/31/91	DV, RB	Small stream
4	5/31/91	CO _r , S _r , RB, DV	Anad. to forest limit
5	5/31/91	DV	Good coho hab., poor access
6	6/1/91	CO _r , DV	Coho above 3 perched culverts
7	5/31/91	DV _r ¹ , RB	Large RB, smolted DV
8	6/1/91	CO _r , DV	Coho above perched culvert
9	6/1/91	CO _r , P	Captured outmig. P fry
10	5/30/91	DV	Water very murky from rain
11	5/29/91	DV	Steep outlet below lake
12	5/29/91	DV	Steep reach near road
13	6/29/91	CO _r	Coho hab. up to clear cut
14	6/29/91	SB	May have rearing S in lake
15	6/29/91	SB	Very small inlet stream
16	6/29/91	SB	Very small inlet stream
17	5/29/91	CO _r , DV, RB	Rearing hab. up to lake
18	5/30/91	SB	Beaver dam upper limit
19	5/30/91	DV	Beaver dam upper limit
20	5/30/91	DV	Beaver dam upper limit
21	5/29/91	CO _r , DV, RB	Anad. hab up to beaver dam
22	6/29/91	CO _r	Good rearing habitat
23	6/29/91	DV	Very little spawning habitat
24	6/29/91	CO _r , DV	Good rearing habitat
25	6/29/91	CO _r , DV, Sc, SB	First lake upper limit

Site # are those depicted in Appendices A-1 to A-6 and B-1 to B-3

CO_r - rearing coho salmon, S_r - rearing sockeye salmon, DV_r - rearing anadromous Dolly Varden, RB - rainbow trout, DV - Dolly Varden, P - pink salmon, SB - stickleback, Sc - Sculpin

ADD STREAM 252-33-10010-2007 w CO₂



FISH HABITAT SURVEY FORM 8/88

Observer(s) DWH-mw Watershed No. _____

Site No. _____

1115-

Stream No. 252-33-10014

Stream Name Thompson Creek
crossing at 21C + 21d

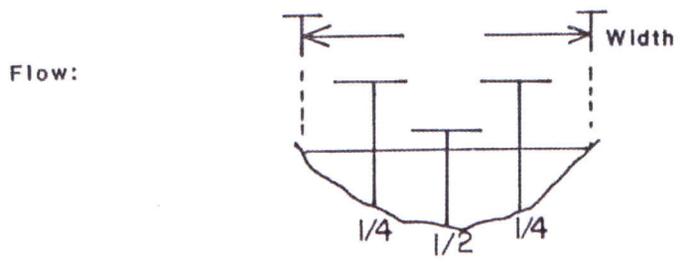
Date 6-1-91 Time 1130 Temp: Air _____ Water _____

Altitude _____ M.S.L U.S.G.S. Quad _____

Lat. _____ ° _____ ' N Long. _____ ° _____ ' W

Weather	Stream Stage	Precip.	Today _____
<u>Clear</u>	1 → 5	Yesterday _____	
Prt. Cloudy	Low High	This Week <input checked="" type="checkbox"/>	
Cloudy	<u>3</u>		

Water Q.	Muddy	Substrate %	Mud _____
	Murky		<u>Sand</u> <u>45</u>
	Stained		<u>Gravel</u> <u>45</u>
	<u>Clear</u>		<u>Cobble</u> <u>10</u>
			Boulder _____
Habitat Quality	1 → 5	Spawning _____	Bedrock _____
	Poor Excell	Rearing <input checked="" type="checkbox"/>	
		Migration _____	



V = _____

beaver dam upstream

FISH HABITAT SURVEY FORM 8/88

Observer(s) Dwt/mw Watershed No. _____

Site No. _____

Stream No. 252-33-10014 Stream Name Thompson creek

at 1100 rd crossing
200 m. downstream

Date 6-1-91 Time 1715 Temp: Air _____ Water _____

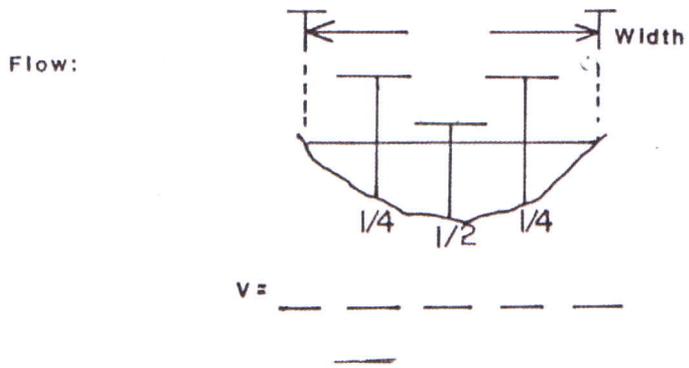
Altitude _____ M.S.L. U.S.G.S. Quad _____

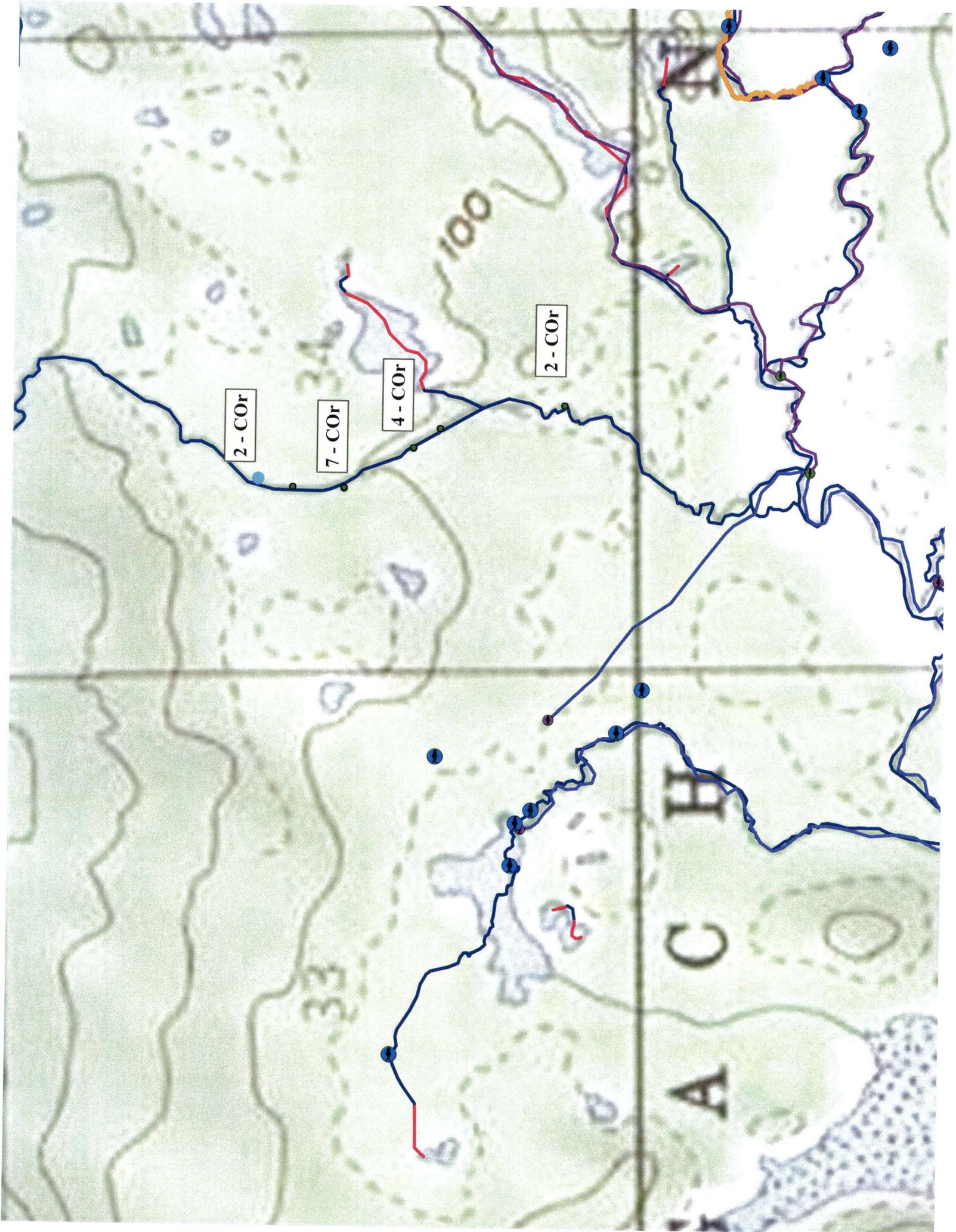
Lat. _____° _____' N Long. _____° _____' W

Weather	Stream Stage	Precip. Today _____
<u>Clear</u>	1 → 5	Yesterday _____
Prt. Cloudy	Low High	This Week <input checked="" type="checkbox"/>
Cloudy	<u>3</u>	

Water Q.	Muddy	Substrate %	Mud _____
	Murky		<u>Sand</u> _____
	Stained		<u>Gravel</u> _____
	<u>Clear</u>		<u>Cobble</u> _____
			Boulder _____

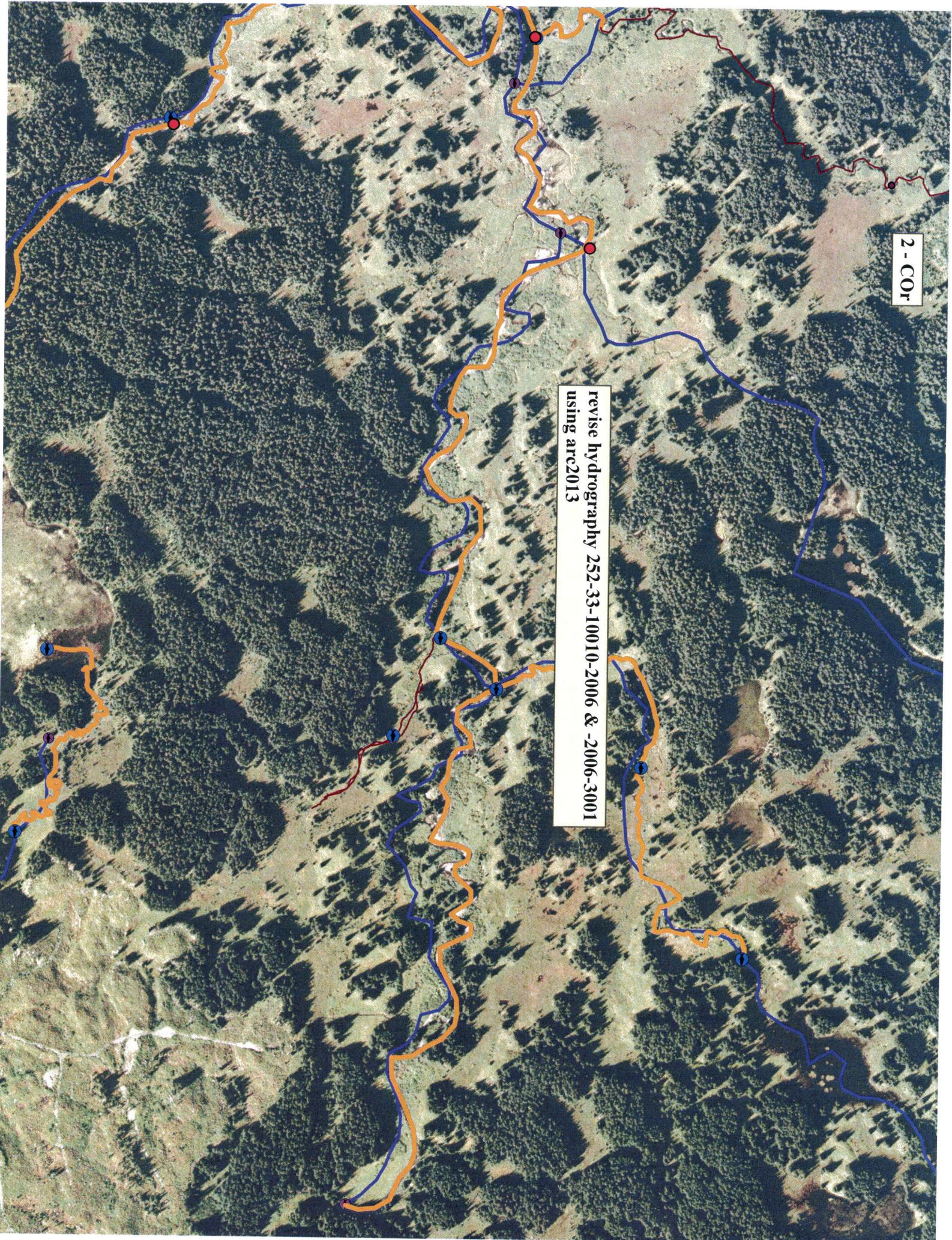
Habitat Quality	1 → 5	Spawning _____	Bedrock _____
	Poor Excell	Rearing <u>4</u>	
		Migration _____	





2-COR

revise hydrography 252-33-10010-2006 & -2006-3001
using arc2013



revise 252-33-10010-2007 hydrography
reposition lower pt, extend stream w/coho salmon rearing
use CurrentTrack & arc2013 for hydrography

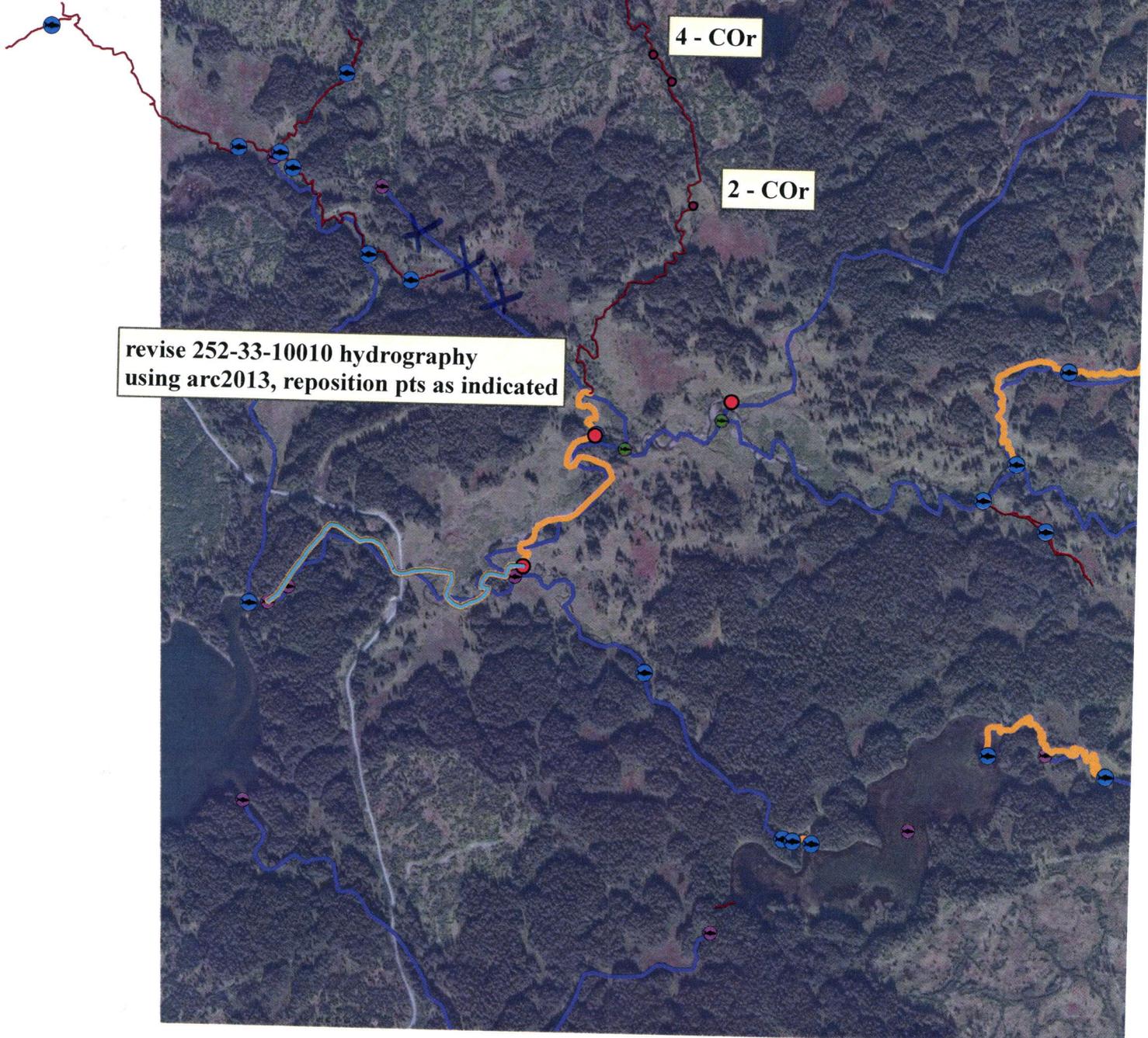
2 - COr

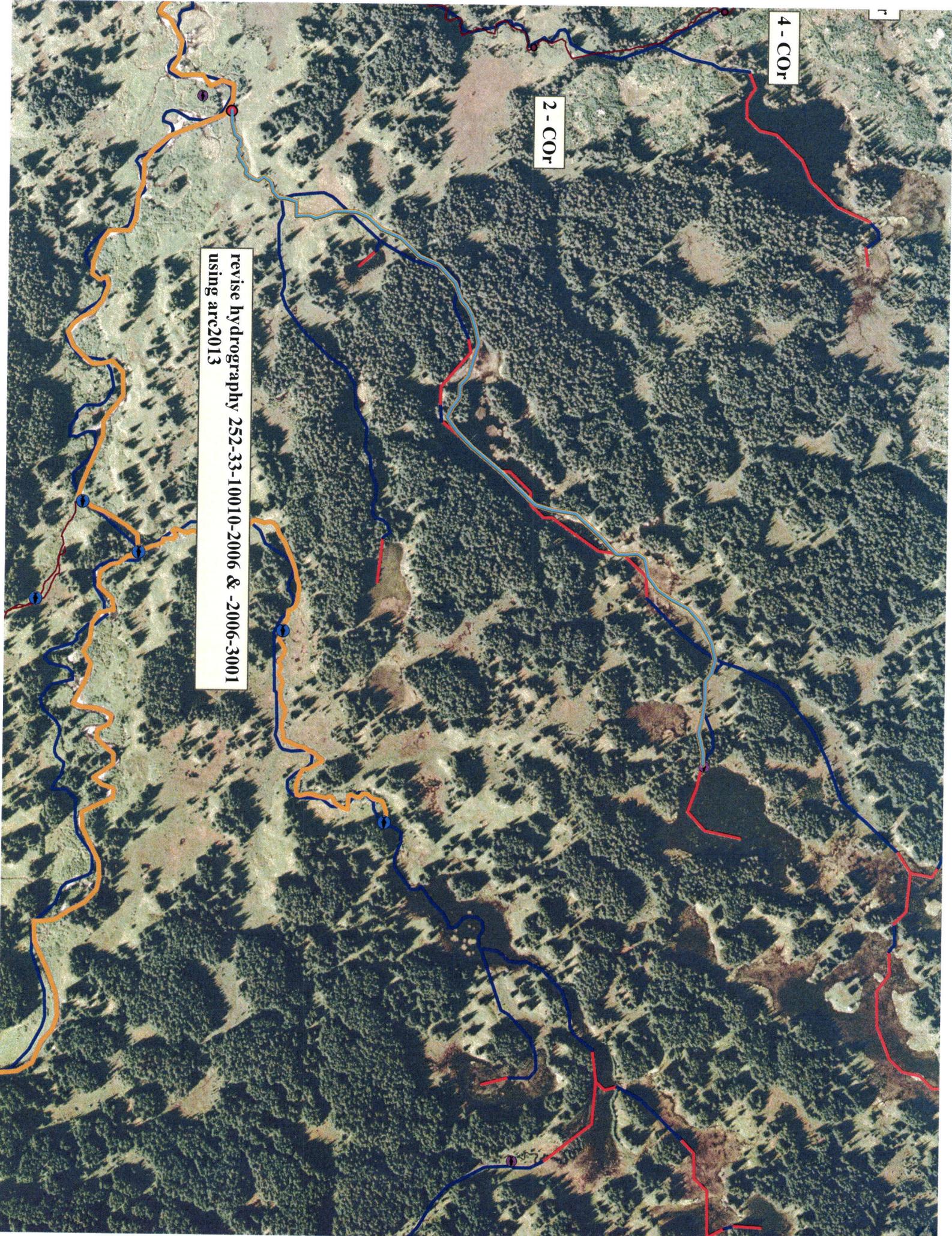
7 - COr

4 - COr

2 - COr

revise 252-33-10010 hydrography
using arc2013, reposition pts as indicated





4-COR

2-COR

revise hydrography 252-33-10010-2006 & -2006-3001
using arc2013