



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database

MBB

Region INT - Three

USGS Quad(s) ANADROSS A-5, A-9, B-4
Big Delta, Alaska

Fish Distribution Database Number of Waterway 334-40-11000-2490-3660-4020
~~212-20-10080-2605-3019~~

Name of Waterway Tok Overflow #1 USGS Name Local Name

- Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>09-183</u>	<u>[Signature]</u>	<u>10/30/09</u>
Revision Year:	<u>2010</u>	ADF&G Fisheries Scientist	Date
Revision to:	Atlas <input type="checkbox"/> Catalog <input type="checkbox"/>	<u>[Signature]</u>	<u>10/30/09</u>
	Both <input checked="" type="checkbox"/>	ADNR OHMP Operations Mgr.	Date
Revision Code:	<u>A-2</u>	<u>[Signature]</u>	<u>01/20/09</u>
		FDD Project Biologist	Date
		<u>[Signature]</u>	<u>11/18/09</u>
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Coho Salmon		1			<input checked="" type="checkbox"/>
					<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:

Tok Overflow #1 (local name) Add new stream 334-40-11000-2490-3660 w/ coho salmon present
Anadromous stream catalog number_ None available Add new stream - 3660-4020 w/ coho salmon spawning

Description: Tok Overflow #1 is a spring tributary of the Tok River. This spring runs west of and parallel to the Tok River. Tok Overflow #1 crosses beneath the Tok Cutoff Highway at MP 104.5. Downstream from the Culvert at the Tok Cutoff Highway, Tok Overflow #1 flow 1.4 miles into the Tok River. There is approximately 4 miles of suitable fish habitat in this stream (see figure 1). This spring is clear year round and runs relatively free of ice during the winter months.

Name of Observer (please print): James F. Parker
Signature: _____
Agency: ADF&G -Sport Fish
Address: Box 605
Delta Jct. AK. 99737

Date: 12/12/2008

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 Fish Distribution Database.

Signature of Area Biologist: James F. Parker Date: 12/12/2008 Revision 02/05
Name of Area Biologist (please print): _____

Johnson, J D (DFG)

From: Parker, Fronty (DFG)
Sent: Thursday, October 22, 2009 10:33 AM
To: Borba, Bonnie M (DFG); Parker, Mike J (DFG)
Cc: Faulise, Tess (DFG); Taube, Tom (DFG); Johnson, J D (DFG)
Subject: Coho Survey on Tok Overflow #1 (Tok River drainage)
Attachments: Tok overflow survey10-21.XLS

Myself and Tess Faulise did a foot survey of the Tok Overflow #1 from the highway bridge upstream approximately 1.1 miles (from GPS). We observed 9 coho salmon mostly in the upper portion of the survey area. Two of the salmon were carcasses, two were drifting downstream still alive but barely, the remainder were spawned out by the looks of it. There may have been some unobserved salmon in the woody debris in the stream. There is excellent stream habitat for spawning salmon in this area, good graveled areas and flows.

Just above the culvert at the highway, we observed about 75 fish which were 8-10 inches in length and clustered close together. I was not able to get close enough to tell what species, I am suspecting they were Dolly Varden. No other species were observed above this point. No ice had formed in the main channel of the overflow, there was ice on some of the side channels where there was no flow. I attached the CF survey form to document the survey. Spawning coho salmon were first discovered in this area in 2008, there are no other records of salmon prior to these dates.

Back in the 80's, I was told fertilized chum salmon eggs were planted into the gravel of Tok Overflow #1. I don't have records of this, perhaps CF does? Who knows, perhaps they were really coho eggs?

James "Fronty" Parker

Area Management Biologist

Alaska Department of Fish and Game

Sport Fish Divison

(907) 895-4632

Johnson, J D (DFG)

From: Parker, Fronty (DFG)
Sent: Friday, December 12, 2008 1:42 PM
To: Johnson, J D (DFG)
Cc: Borba, Bonnie M (DFG)
Subject: AWC Nomination
Attachments: Tok overflow #1 coho salmon 08.JPG; Tok Overflow #1.doc; tok Overflow #1.xls

JD,

This is a nomination for Tok Overflow #1 in the Tok River drainage. No AWC number is assigned to this system.

James "Fronty" Parker

Area Management Biologist

Alaska Department of Fish and Game

Sport Fish Divison

(907) 895-4632

Tok Overflow #1 (Local name)

Anadromous stream catalog number None available

Description: Tok Overflow #1 is a spring tributary of the Tok River. This spring runs west of and parallel to the Tok River. Tok Overflow #1 crosses beneath the Tok Cutoff Highway at MP 104.5. Downstream from the Culvert at the Tok Cutoff Highway, Tok Overflow #1 flows 1.4 miles into the Tok River. There is approximately 4 miles of suitable fish habitat in this stream (see figure 1). This spring is clear year round and runs relatively free of ice during the winter months.

Anadromous species present: Coho salmon (only spawning salmon observed) have not investigated for Juveniles.

Other Species: Arctic grayling, Dolly Varden, long nose suckers, and slimy sculpins.

Anadromous species data collection: The following is a report 11/24/2008:

A very remarkable coho spawning area discovery was made recently in the Tok River drainage. ADF&G staff Jeff Gross and Tess Faulise at the Tok office were alerted to the information and passed it along to me. I called Mike Warner and got his account which I summarized below.

Mike Warner and another employee of Alaska Power and Telephone (AP&T) were placing temperature probes in Tok Overflow #1 on October 29th to research the potential for geothermal energy potential of the springs. They were approximately ¾ mile upstream from the culvert at the Tok Cutoff Highway (MP 104.5) when they came upon a side channel which upon further investigation found about 50 live spawning coho salmon. Not knowing what kind of fish these were Mike took pictures (attached). The pictures confirm these are coho's. No other coho salmon were observed in the mainstem of the overflow, only in this spring tributary. Mike also took a GPS reading which was taken from a Garmin Rhino 530 GPS unit (N 63 06.751 W143 18.867), he is not sure what datum format (NAD27?).

It appears to be a location specific spawning area would explain why the discovery has not been made before. This area has a heavy vegetative cover and likely could not be viewed from the air. I requested the results from the temperature probes; they will record for a year's time.

This would be the furthest upstream documentation of spawning Coho's in the Tanana River drainage. It would be approximately 150 miles upstream of the Delta Clearwater River.

James "Fronty" Parker ADF&G Area Management Biologist

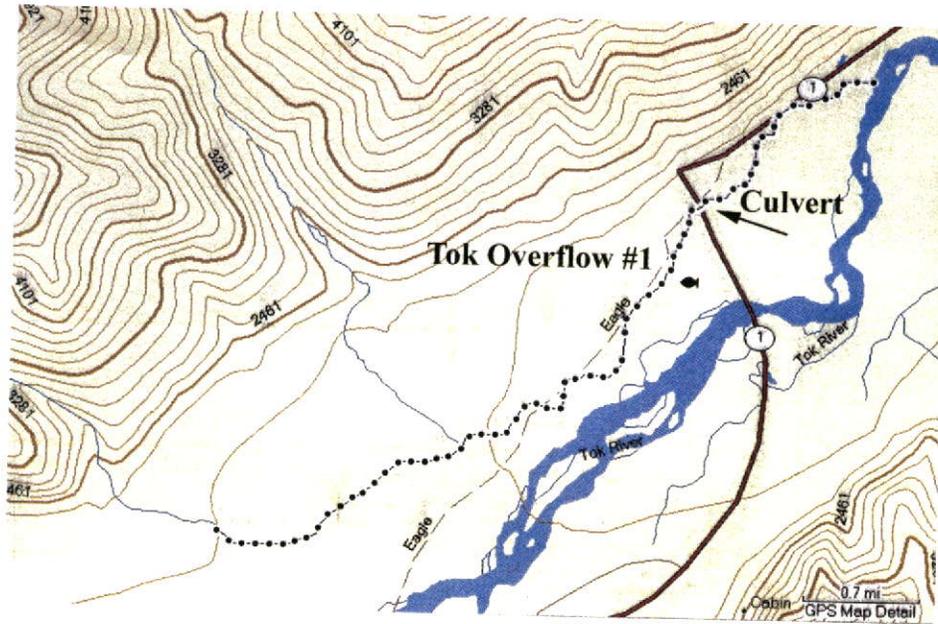
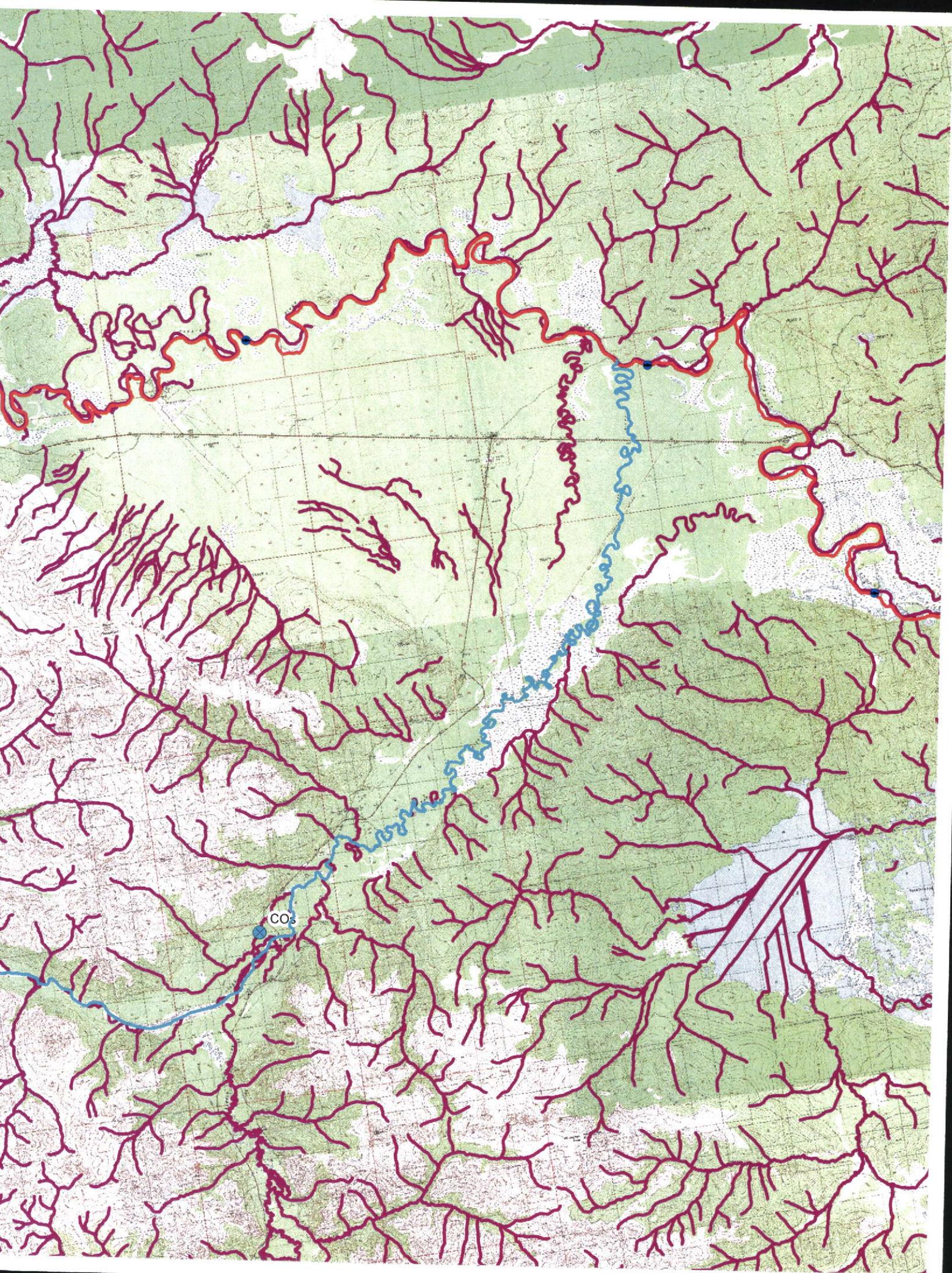


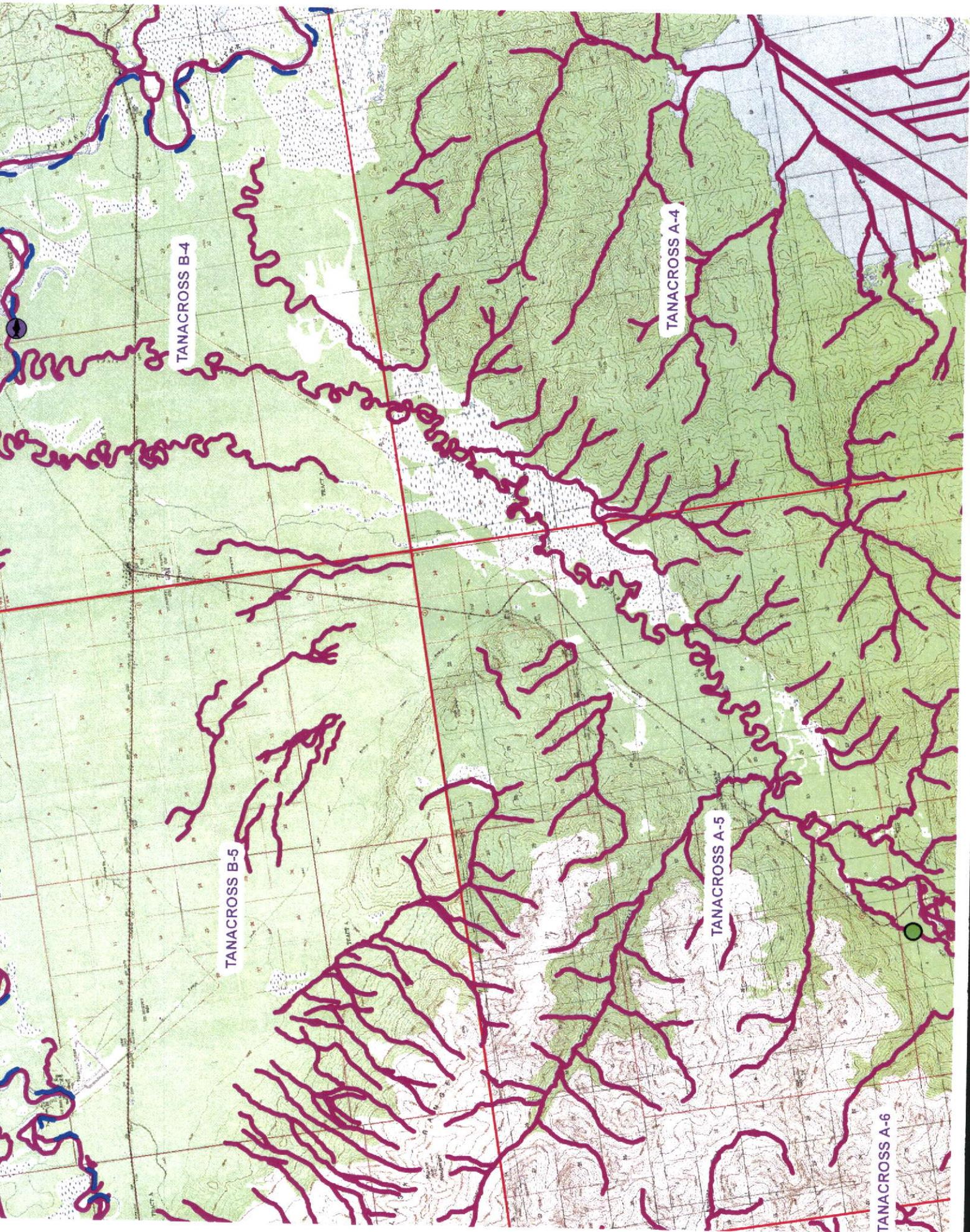
Figure 1. Tok Overflow #1.







TANACROSS A-5



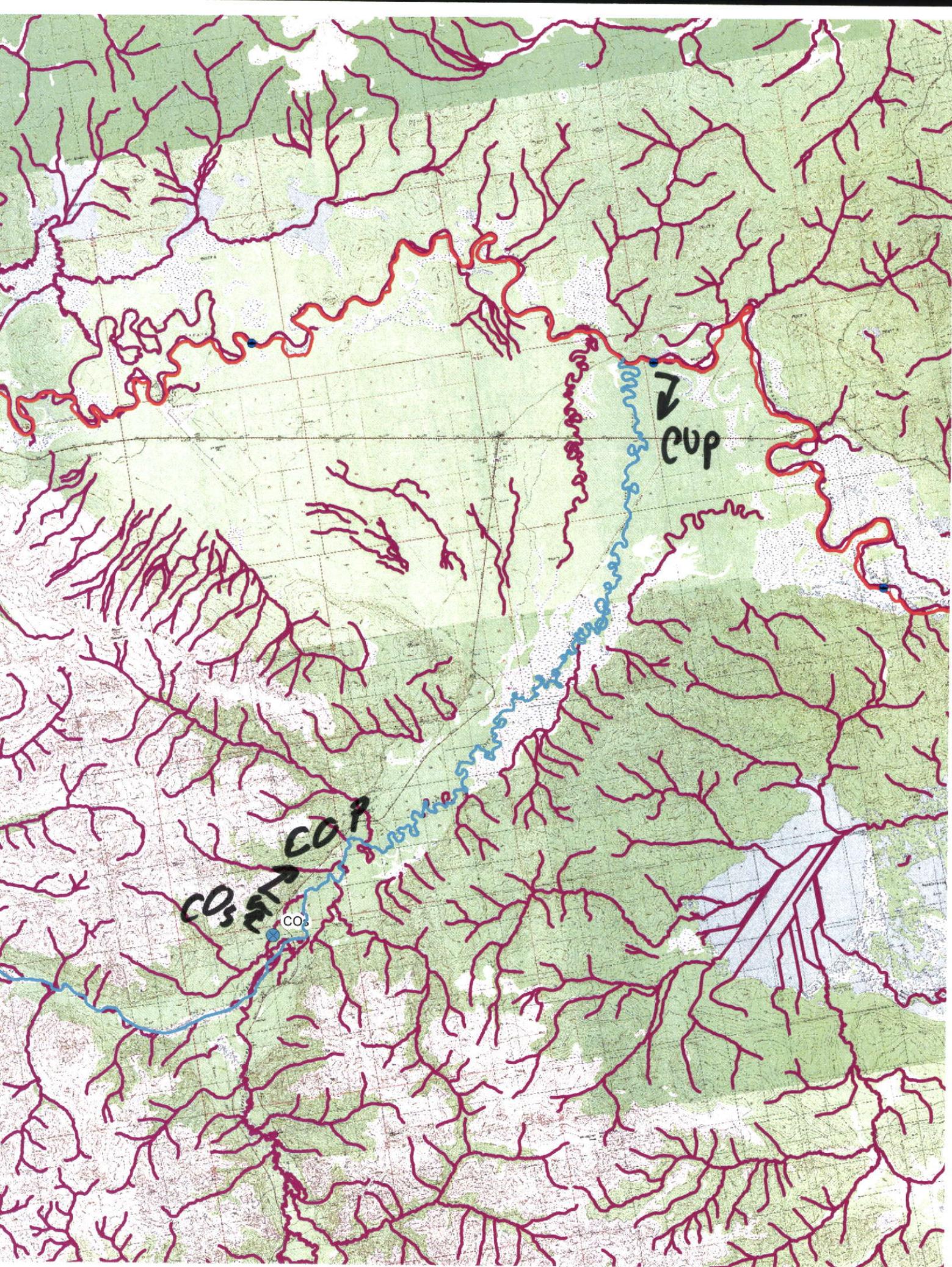
TANACROSS B-4

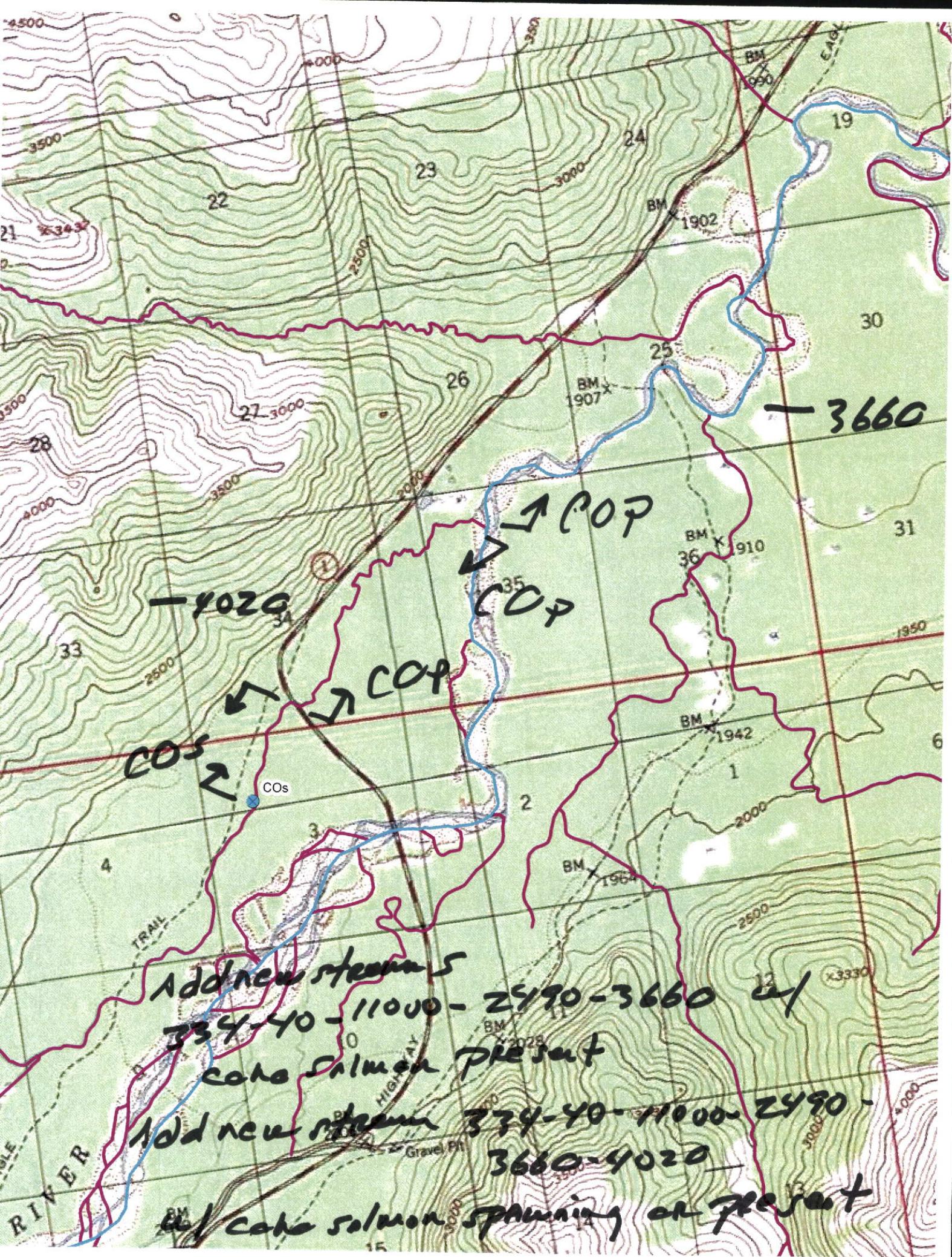
TANACROSS A-4

TANACROSS B-5

TANACROSS A-5

TANACROSS A-6





COS
COS

COP
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COP

Add new stream 5
334-40-11000-2490-3660

coho salmon present

Add new stream 334-40-11000-2490-
3660-4020

coho salmon spawning on present

3660

4020

TRAIL

RIVER

HIGHWAY

Gravel Pit

3330

4000

3000

2000

1500

1000

500

0

1

2

3

4

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12

13

14

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