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

Nomination Form
Anadromous Waters Catalog

M

Region: Southcentral

USGS Quad(s): Anchorage C7

Anadromous Waters Catalog Number of Waterway: 247-41-10100-2351-

Name of Waterway: ☐ USGS Name ☐ Local Name

☑ Addition ☐ Deletion ☐ Correction ☐ Backup Information

For Office Use

Nomination #: 11-299			
Revision Year: 2012			
Revision to: Atlas ____ Catalog ____ Both X			
Revision Code: A-1, B-6, A-2 C-1 A-2d			
	Fisheries Scientist	10/19/11	Date
	Habitat Operations Manager	10/14/11	Date
	AWC Project Biologist	21 July 11	Date
	Cartographer	11/8/11	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
coho salmon	July 27, 2009			dozens	☐
					☐
					☐
					☐
					☐

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:

Extend -2351 w/ coho salmon rearing and non-anadromous waterbodies

See attached memo.

The stream is being split into two forks by the ATV trail. The coho were seen in the portion of the stream that is running down the trail.

coho salmon rearing

Remember - 3007 cs 3017

Name of Observer (please print): Maria Shepherd

Signature: Maria Shepherd

Date: 7/18/2011

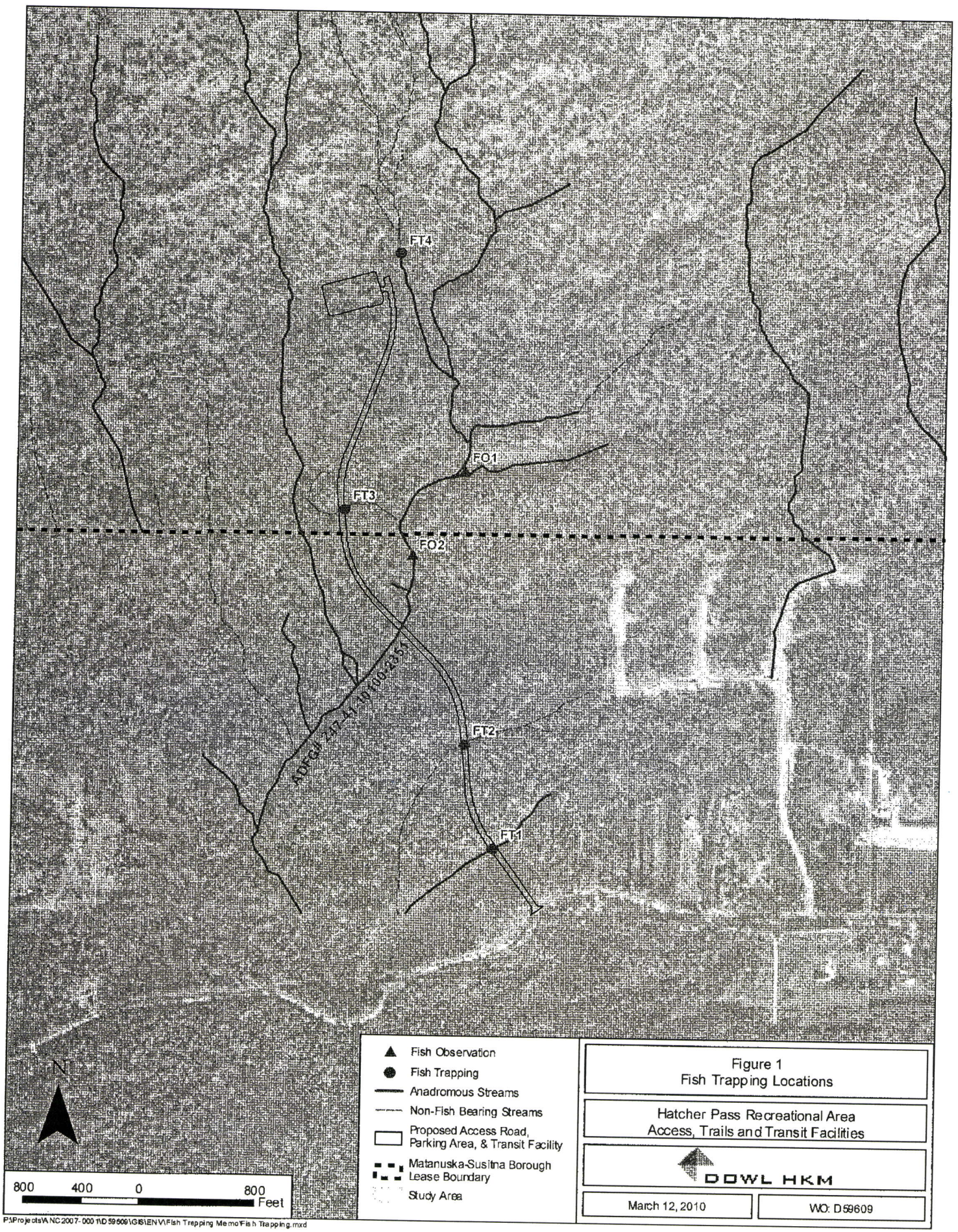
Agency: ADF&G

Address: 1800 Glenn Hwy
Palmer, AK 99645

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: _____

02/08 Revision


FT4
FO1
FT3
FO2
ADF&G 247-41-10100-2351
FT2
FT1
N
800 400 0 800
Feet
Fish Observation
Fish Trapping
Anadromous Streams
Non-Fish Bearing Streams
Proposed Access Road, Parking Area, & Transit Facility
Matanuska-Susitna Borough Lease Boundary
Study Area
Figure 1
Fish Trapping Locations
Hatcher Pass Recreational Area
Access, Trails and Transit Facilities
DOWL HKM
March 12, 2010
WO: D59609
P:\Projects\ANC2007-0001\D59609\GIS\ENV\Fish Trapping Memo\Fish Trapping.mxd

DOWL HKM

MEMORANDUM

To:	File
From:	Maria Shepherd
Date:	9/28/09
Project:	Hatcher Pass Recreational Area Access, Trails and Transit Facilities
Subject:	2009 Fish Trapping Summary
Job Number:	1124.59609.02

2009 Fish Trapping Summary

In July, August, and September 2009 DOWL HKM investigated the presence of fish populations in small perennial stream reaches located in the Hatcher Pass project's Southern study area (see Figure 1). As shown on Figure 1, only one of these streams has been assigned an Alaska Department of Fish and Game (ADF&G) number, the rest are unnamed tributaries to either the ADF&G numbered stream or the Little Susitna River. The fish trapping locations are shown on the attached figure and referred to as FT 1, FT 2, FT 3, and FT 4. Fish were observed in two other locations marked as FO 1 and FO 2 on Figure 1. Minnow live-capture traps were placed in the stream reaches at the proposed roadway alignment and left for a minimum time-span of four hours. Tuna fish was used as bait in the fish traps.

FT 1 - Tributary to the Little Susitna River

FT 1 is a small perennial stream located at the southernmost end of the proposed roadway alignment. On July 27, 2009, four fish were captured; two juvenile coho salmon (72mm and 75 mm fork lengths), one juvenile Dolly Varden (80 mm fork length), and one adult slimy sculpin (89 mm overall length). The presence of coho salmon and Dolly Varden designates FT 1 as an anadromous stream.

Juvenile Coho Salmon

Slimy Sculpin

On August 27, 2009, a minnow live trap was placed in FT 1 and left approximately six hours. Two fish were captured at FT 1; both juvenile coho salmon (77mm and 130mm fork lengths).

On September 25, 2009, a minnow live-capture trap was placed in FT 1 and left approximately five hours. The location of the trap was about 30 meters downstream from the July 27 trapping location. Four fish were captured and identified as juvenile coho salmon. Fork lengths were 76mm, 77mm, 100mm, and 105mm.

FT 2 - Tributary to the Little Susitna River

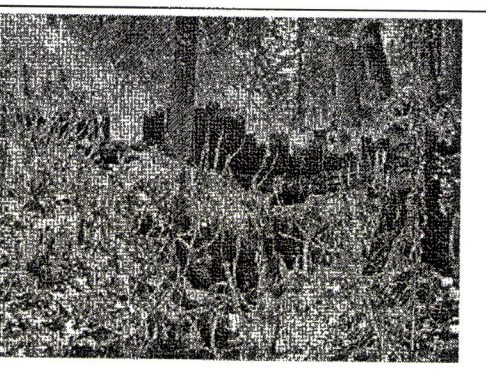
FT 2 is a small perennial stream just north of FT 1. In some areas it appears to go underground. On July 27, 2009, a minnow live trap was placed in FT 2 and left for approximately five hours. No fish were caught. It was concluded that this stream is not an anadromous stream due to the lack of a surface water connection to the Little Susitna River. No further trapping was done at this location.

FT 3 - Tributary to ADF&G Stream 247-41-10100-2351

FT 3 is a very small stream west of the ADF&G numbered stream. On July 27, 2009, a minnow live trap was placed in FT 3 and left for approximately five hours. No fish were caught. It was concluded that this stream is not an anadromous stream due to either barriers or the lack of surface water connection to the ADF&G numbered stream. No further trapping was done at this location.

FT 4 - Tributary to ADF&G Stream 247-41-10100-2351

FT4 is a small perennial stream west of the ADF&G numbered stream. On September 25, 2009, a minnow live-capture trap was placed in FT 4 and left approximately five hours. No fish were captured. A manmade log dam is located just upstream of the trap location (see photo below). The dam creates a vertical rise of approximately five feet and may be a barrier to fish upstream of the trapping site. It is assumed that other barriers are located downstream, between the trapping site and FO 1 where juvenile coho salmon were observed. It was concluded that this stream is not anadromous at this location due to a barrier downstream that prevents access.



Dam on FT 4 just Upstream of Trapping Location

FO 1

On July 27, 2009, numerous juvenile salmonids were observed near the confluence of two stream forks of ADF&G Stream 247-41-10100-2351 upstream of the proposed roadway crossing (see Figure 1). Two fish were captured with a net and identified as juvenile coho salmon (38 mm and 41 mm fork lengths).

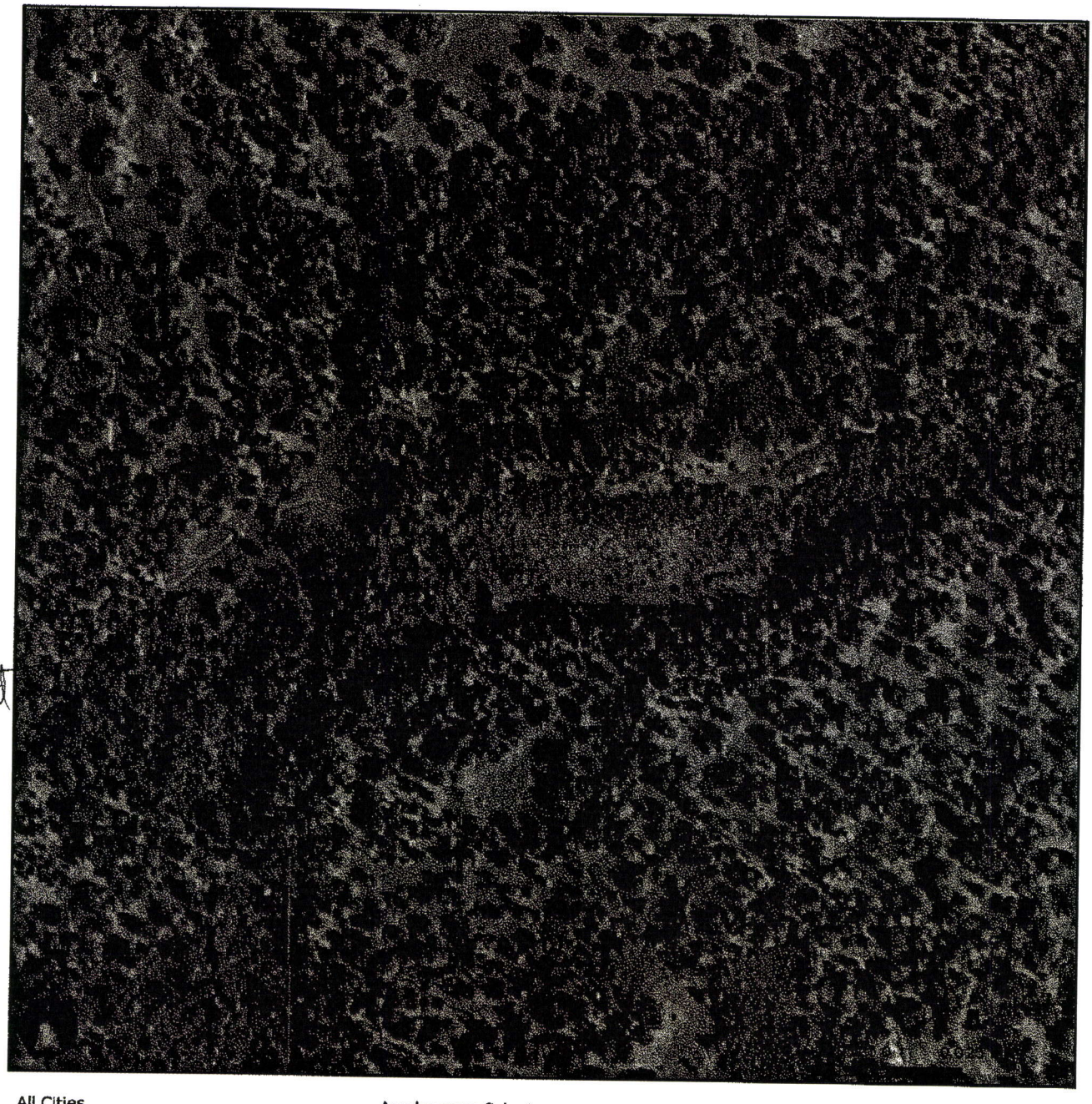
FO 2

On September 25, 2009, a large (~30 inch) coho salmon was observed in ADF&G Stream 247-41-10100-2351 at the location marked FO 2 on Figure 1.

Juvenile Coho Salmon Observed at FO 2


stream
stream

My Map



Coho observed

All Cities

DOT Centerline HWYS

DOT Centerline Roads

TransAlaska Pipeline

Anadromous fish stream

ILMA Trails

DPOR Managed Facilities (ILMA's)

Coastline

Canada, Russia & Ocean

Canada

Russia

Ocean

Table 1 below summarizes the results of the 2009 fish trapping.

Table 1. Fish Trapping Summary

Date	Location	Species
July 27, 2009	FT 1 - unnamed tributary to the Little Susitna River	Trapped two juvenile coho salmon, one Dolly Varden, and one slimy sculpin.
	FT 2 - unnamed tributary to the Little Susitna River	No fish captured.
	FT 3 - unnamed tributary to ADF&G Stream 247-41-10100-2351	No fish captured.
	FO 1- ADF&G Stream 247-41-10100-3251	Observed dozens of juvenile coho salmon.
August 27, 2009	FT 1 - unnamed tributary to the Little Susitna River	Trapped two juvenile coho salmon.
September 25, 2009	FT 1 - unnamed tributary to the Little Susitna River	Trapped four juvenile coho salmon.
	FT 4 - unnamed tributary to ADF&G Stream 247-41-10100-2351	No fish captured.
	FO 2 - ADF&G Stream247-41-10100-3251	Observed one large coho salmon.

Johnson, J D (DFG)

From: Shepherd, Maria F (DFG)
Sent: Wednesday, July 20, 2011 1:42 PM
To: Johnson, J D (DFG)
Subject: FW: nomination form

Does that help?

From: Harrington, Christopher [mailto:charrington@dowlhkm.com]
Sent: Wednesday, July 20, 2011 1:29 PM
To: Melocik, Bradley; Shepherd, Maria F (DFG)
Cc: Pribyl, Richard; Hansen, Kristen
Subject: RE: nomination form

Hi Maria,

ID	Latitude	Longitude	Type
FT1 - Z	61.69470371100	-149.27300610000	Fish Trapping
FT2	61.69668427880	-149.27417603900	Fish Trapping
FT3	61.70113315100	-149.27898709500	Fish Trapping
FO2 - 1	61.70026826970	-149.27626911100	Fish Observation
FO1 dozens	61.70185748870	-149.27422457500	Fish Observation
FT4	61.70600305330	-149.27679261100	Fish Trapping

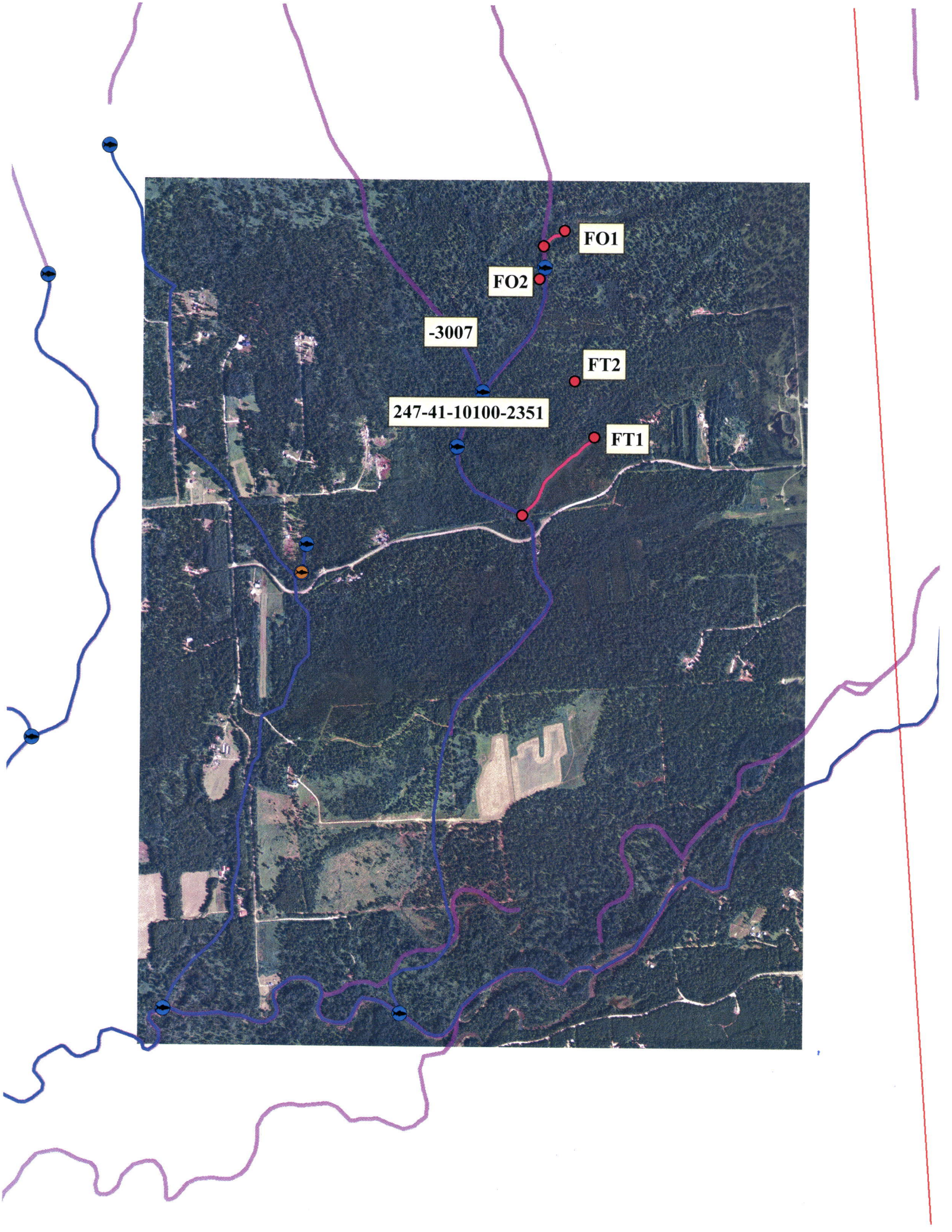
Let me know if this doesn't work and I will get what you need.

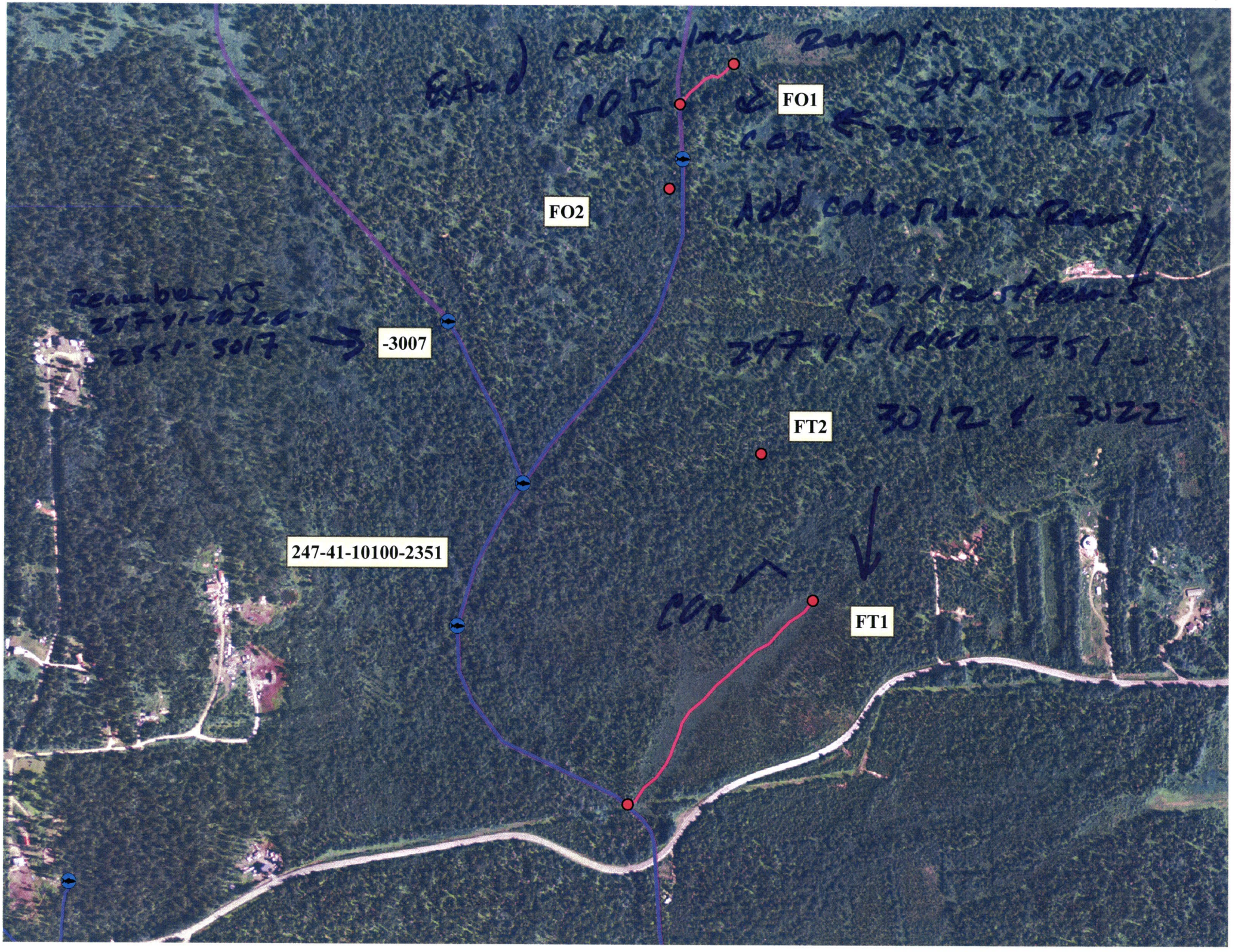
Chris

From: Melocik, Bradley
Sent: Wednesday, July 20, 2011 1:10 PM
To: Shepherd, Maria F (DFG)
Cc: Pribyl, Richard; Hansen, Kristen; Harrington, Christopher
Subject: RE: nomination form

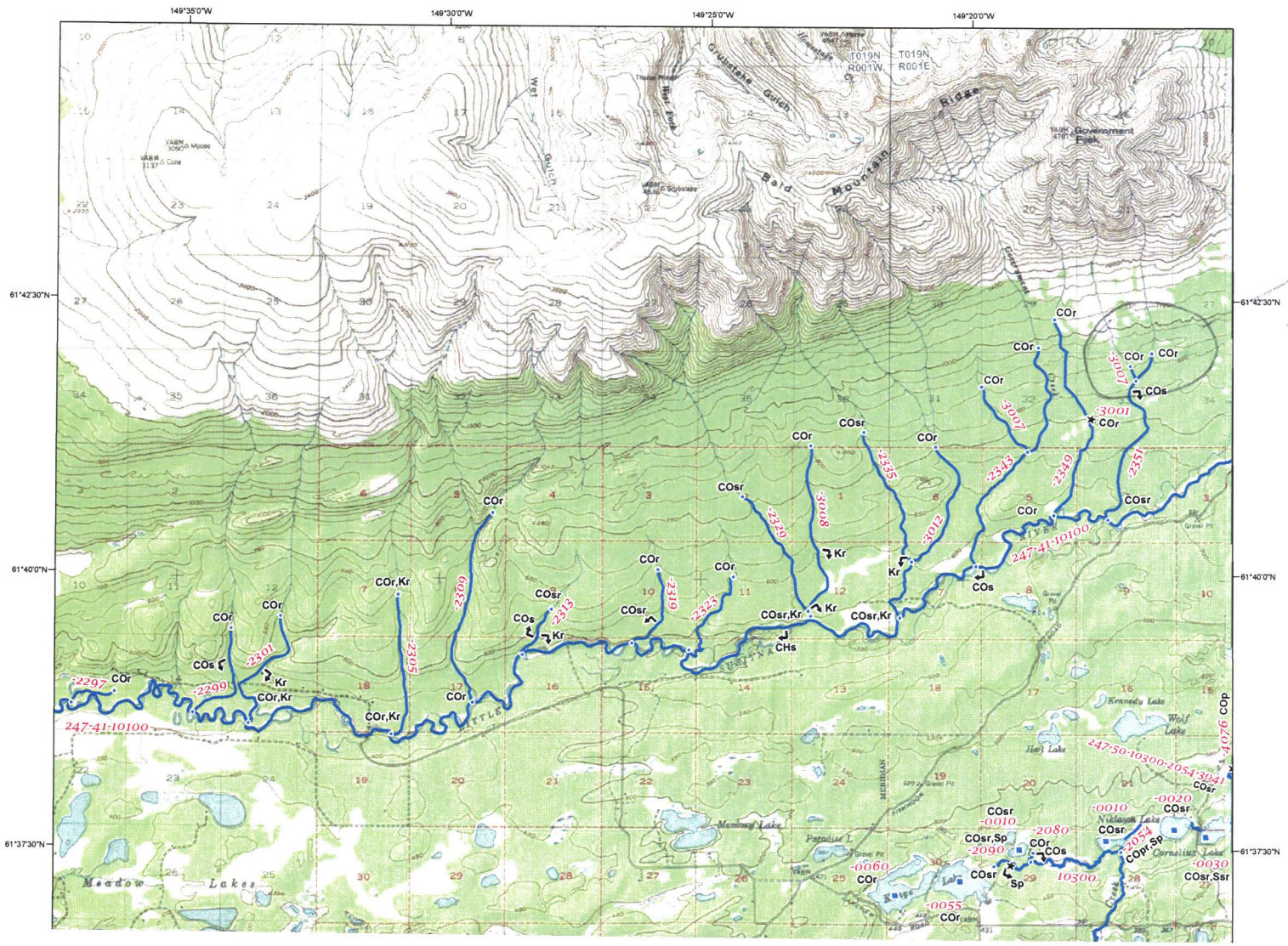
Hi Maria.

I will have to check. We may be able to pull it from the GIS information.


FO1
FO2
-3007
FT2
247-41-10100-2351
FT1


FO1
FO2
-3007
247-41-10100-2351
FT2
FT1

Last Year Reg Quad 2011 Update



C1
3007 to
3017