



# STATE OF ALASKA

## DEPARTMENT OF FISH AND GAME

### DIVISION OF HABITAT

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### MEMORANDUM

TO: Jackie Timothy  
SE Regional Supervisor

DATE: May 5-8, 2009

FILE NO:

SUBJECT: Long Island Klukwan RCS  
Trip Report

FROM: Kristen Dunlap  
Habitat Biologist

TELEPHONE NO: (907) 465-1635

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May 5<sup>th</sup> through 9<sup>th</sup> I accompanied Habitat Biologist Mark Minnillo, and DNR Foresters Joel Nudelman and Roy Josephson on a road condition survey of Klukwan Village Corporation lands on Long Island. The weather was dry and partly cloudy the whole week. The Division of Forestry will provide details from the road condition survey in a separate report. During the survey we trapped several streams near the road system using minnow traps. Two stream crossings were designated 'priority 1' for replacement or repair. Priority 1 stream crossing impair fish passage in anadromous waters.

The purpose of this trip report is to summarize where we trapped and what we caught. Appropriate corrections and additions will be submitted to the Anadromous Waters Catalog (AWC) for inclusion in the next update.



**Figure 1. Looking north over Long Island at Lake Seclusion.**

# Long Island Road Condition Survey May 5-8, 2009

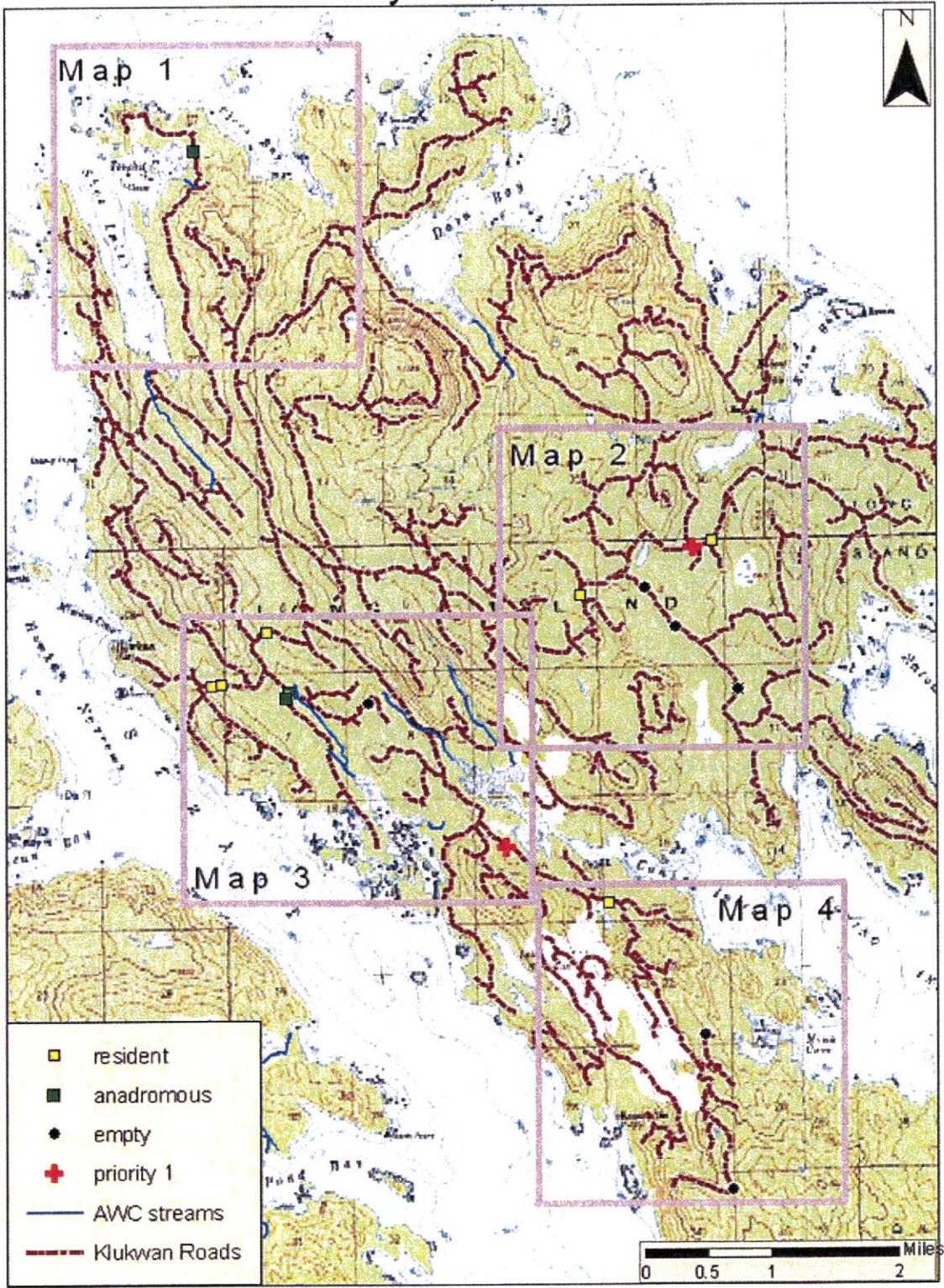


Figure 2. Overview and index map Long Island.

### Map 1

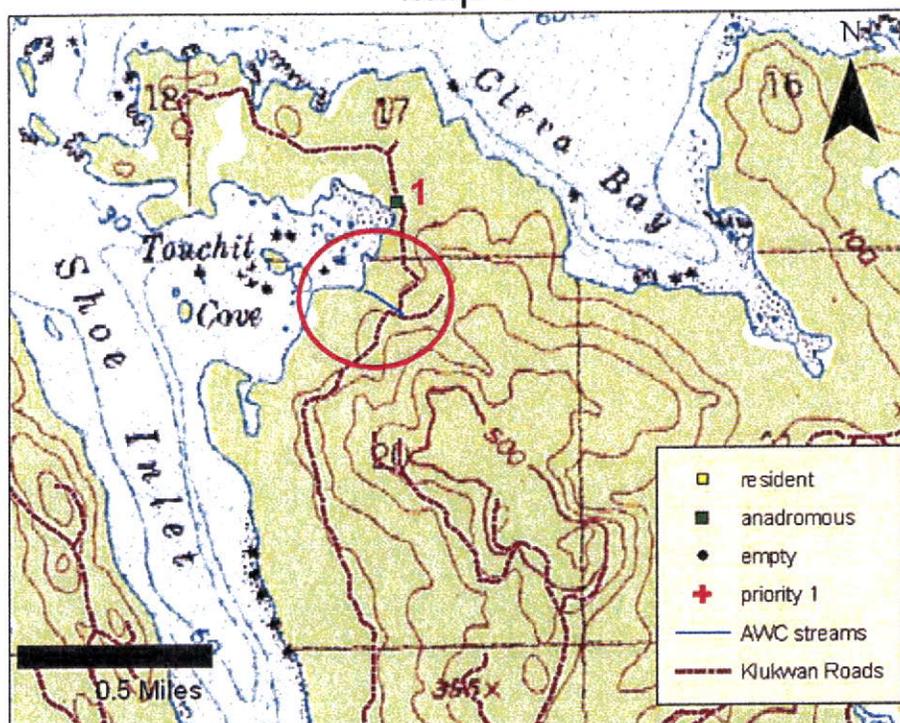


Figure 3. Map 1. Red circle around anadromous stream no. 103-30-10050

1. 54.92766, -132.78642. 5/7/09. The red circle shows the catalogued location of anadromous stream no. 103-30-10050. The AWC lists this stream as providing habitat for pink and chum salmon. The earliest nomination I could find for this stream was a correction to delete the upper extent. The comments indicate that the anadromous portion is the intertidal and first 50' of the stream up to a large old beaver dam. Passage is still blocked by the beaver dam and there is little habitat above this reach. The green square (#1) on the map above indicates the correct position of the stream that does not extend beyond the road. I will submit a correction to the AWC to move the stream.

### Map 2

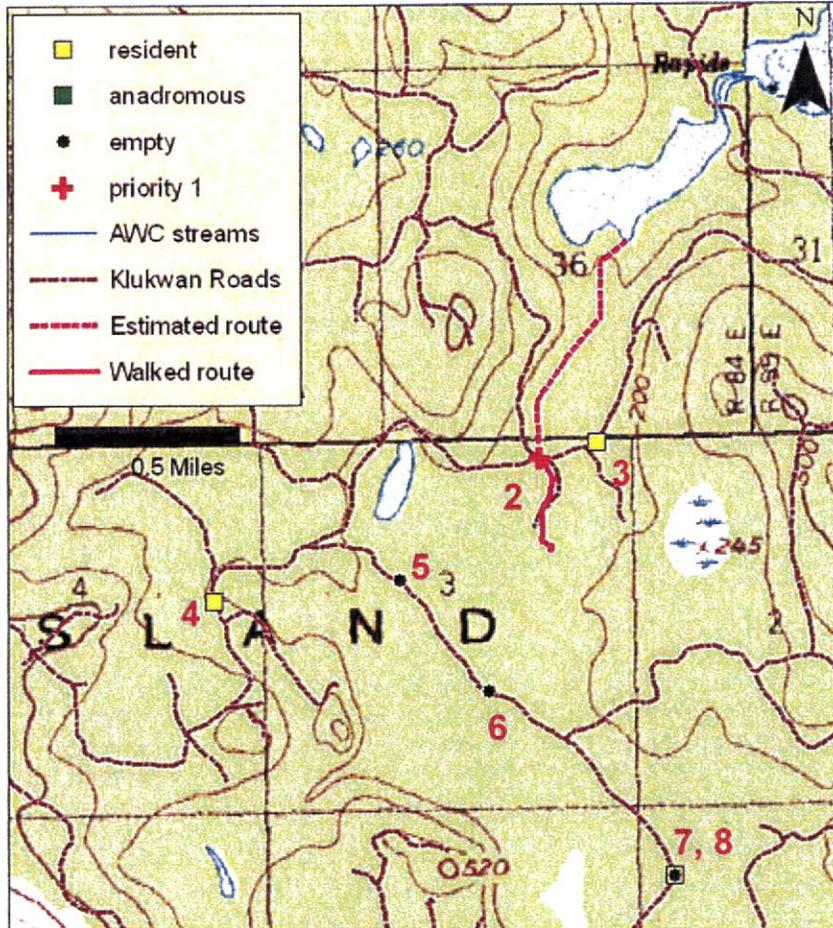
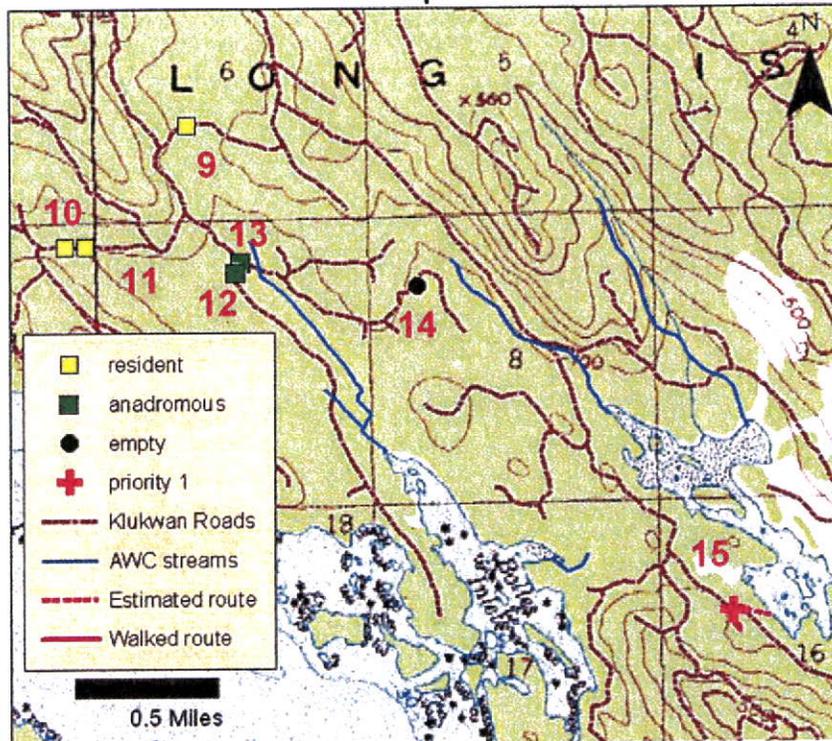


Figure 4. Map 2. Points and uncataloged stream draining into Elbow Bay. Perched culvert blocking upstream passage.

2. 54.88145, -132.6889. 5/6/09. Set trap up and downstream of a 36" corrugated metal pipe (CMP) with a perched outlet. Priority 1 pipe
  - Soak time: 4.8 hrs
  - Upstream species: 30 DV (75-170mm)
  - Downstream species: 2 DV (110-140mm), 7 CO (60-95mm)
3. 54.88203, -132.68504. 5/6/09. 48 in CMP
  - Soak time: 5 hrs
  - Species: 7 DV (85-120mm)
4. 54.87607, -132.71117. 5/7/09. Set traps upstream and downstream of 48" CMP.
  - Soak time: 5.2 hrs
  - Upstream species: 2 DV (50-55mm)
  - Downstream species: 1 DV (55mm)

5. 54.87677, -132.69855. 5/7/09. Set traps up and downstream of 18" corrugated plastic pipe (CPP).
  - Soak time: 6.6 hrs
  - Both traps empty
  
6. 54.87235, -132.69254. 5/7/09. Set traps up and downstream of 18" CPP.
  - Soak time: 7.5 hrs
  - Both traps empty
  
7. 54.86505, -132.68024. 5/7/09. Set trap downstream 48" CMP.
  - Soak time: 3.3 hrs
  - Downstream species: empty
  
8. 54.86505, -132.68024. 5/7/09. Set trap upstream 48" CMP.
  - Soak time: 3.3 hrs
  - Upstream species: 1 DV (140 mm)

Map 3



Map 3, Priority 1 perched culvert

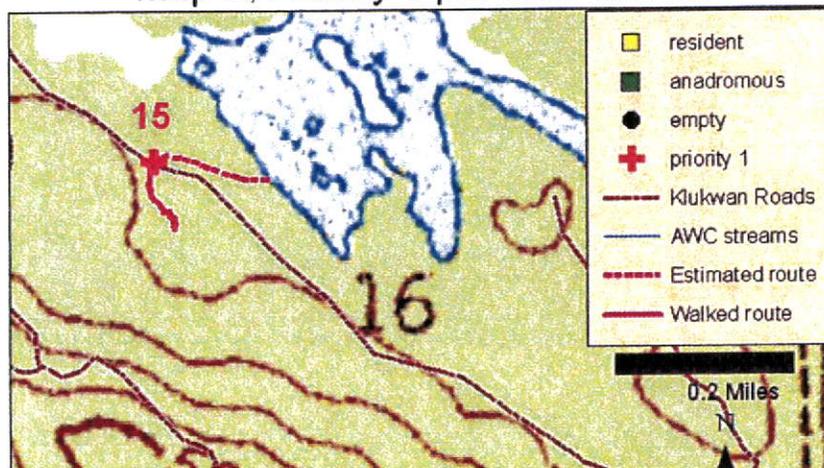


Figure 5. Top: Map 3 overview. Bottom: Zoomed in on stream route. Perched culverts blocking up and downstream passage.

9. 54.87252, -132.77371. 5/5/09. Set trap near root wad below culvert in beaver pond upstream of catalogued extend of stream no. 103-30-10100 (CO, P).
- Soak time: 4.5 hrs
  - Species: 11 DV (90-140mm)
10. 54.86643, -132.78461. 5/5/09. Set traps up and downstream of 48" CMP.
- Soak time: 17 hrs

- Upstream species: 3 DV (55-110mm)
  - Downstream species: 6 DV (70-120mm)
11. 54.86646, -132.78276. 5/5/09. Set trap downstream small perched 18" CMP.
- Soak time: 1 hrs
  - Species: 1 DV (50mm)
12. 54.86501, -132.76971. 5/5/09. Set 2 traps upstream (1 above beaver dam) of culvert and 1 downstream of 48" CMP. Nominate as tributary to stream 103-30-10100
- Soak time: 2 hrs, 2 hrs, 0.2 hrs respectively
  - Upstream above beaver dam species: trap empty
  - Upstream of culvert, below beaver dam: 1 CO (60 mm)
  - Downstream species: 3 CO (65-80 mm), 1 DV (70 mm)
13. 54.86552, -132.7692. 5/5/09. This point shows the correct location for AWC stream no. 103-30-10100. Saw several hundred pink fry in stream. Submit correction to AWC.



**Figure 6. Beaver pond at point 14.**

14. 54.8642, -132.75369. 5/5/09. Set trap downstream of log culvert in beaver pond, photo shown in Figure 6.
- Soak time: 0.5 hrs
  - Species: trap empty
15. 54.84751, -132.72646. 5/6/09. Set trap up and downstream of twin 24" CPP that were perched on inlet and outlet. We caught 2 coho smolts in a small pool above the perched pipes. The pipes were recently installed during road repairs. The pipes did not appear passable during any flow stages.
- Soak time: 20 hrs
  - Upstream species: 2 CO (120 mm), 2 SC
  - Downstream species: 2 SC

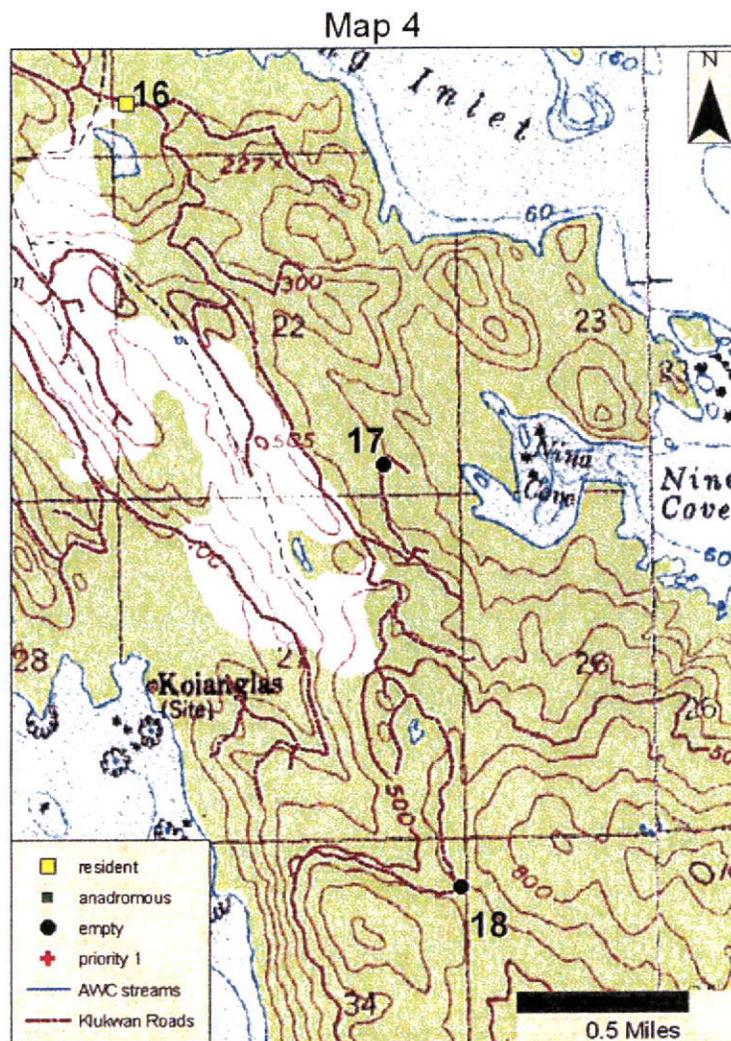
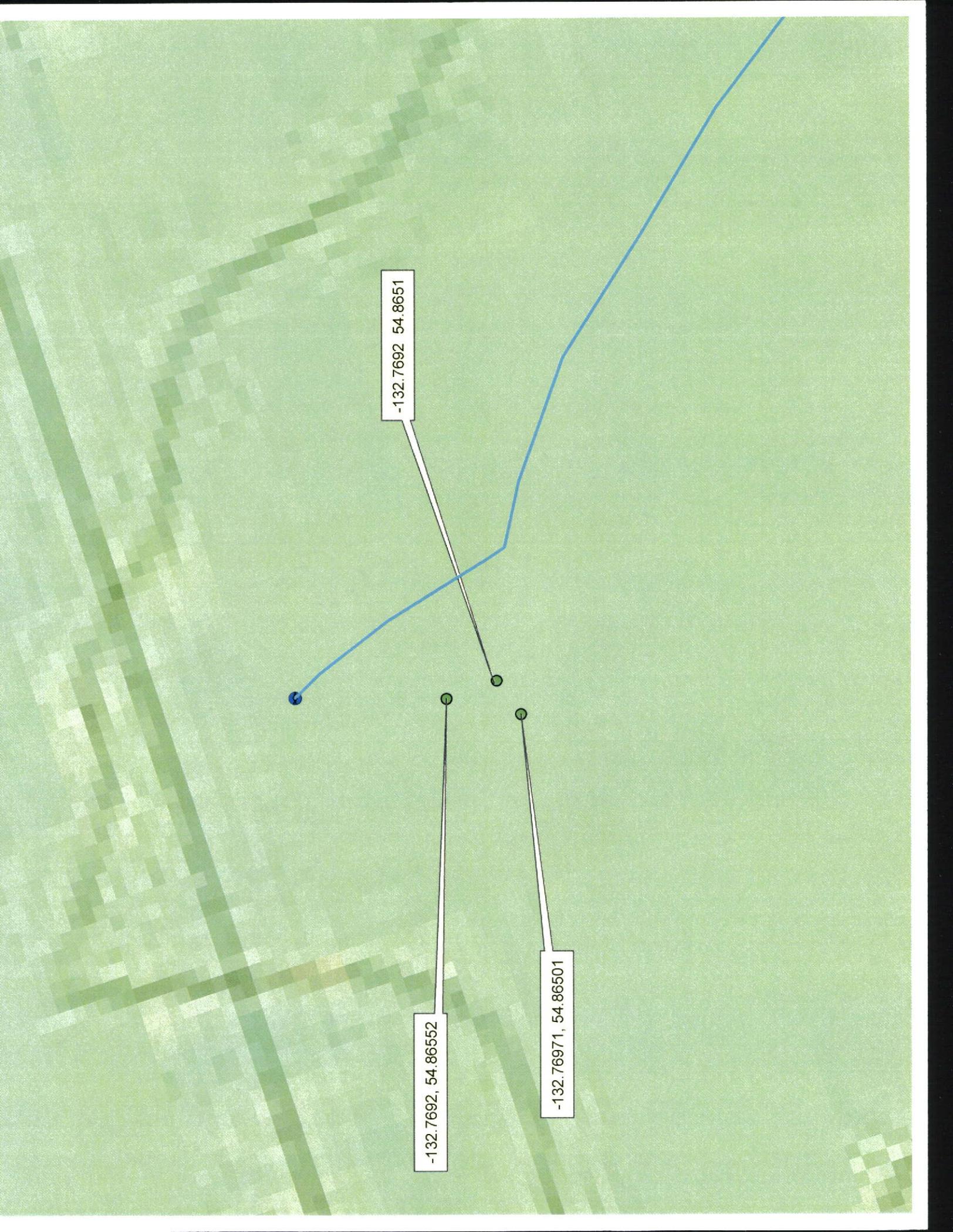


Figure 7. Map 4, southern extent of roads..

16. 54.84089, -132.70654. 5/6/09. Set traps up and downstream of culverts with lots of beaver sign.
- Soak time: 20 hrs
  - Upstream species: 6 DV (65-100mm), 2 TSB, 3 roughback newts
  - Downstream species: 3 DV (80-90mm), 14 TSB, 5 roughback newts
17. 54.82548, -132.68808. 5/6/09. Set trap 80' downstream 48" CMP in beaver pond.
- Soak time: 2.1 hrs
  - Species: trap empty
18. 54.80767, -132.68288. 5/6/09. Set trap up and downstream of French drain around 600' elevation.
- Soak time: 0.8 hrs
  - Both traps empty

Cc:

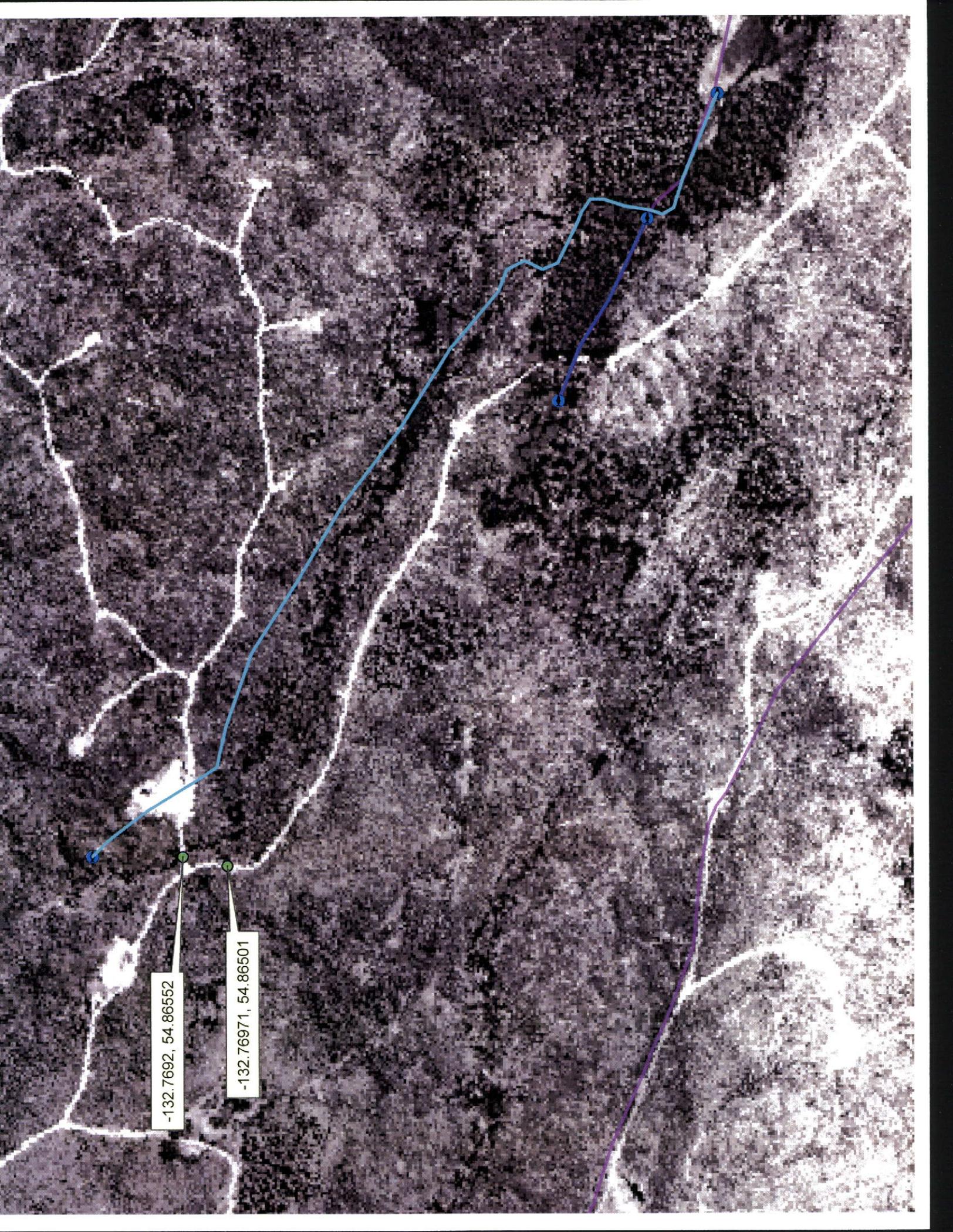
Al Ott, ADF&G Habitat, Fairbanks  
Mark Minnillo, ADF&G Habitat, Craig  
Roy Josephson, DOF, Haines  
Joel Nudelman, DOF, Juneau



-132.7692 54.8651

-132.7692, 54.86552

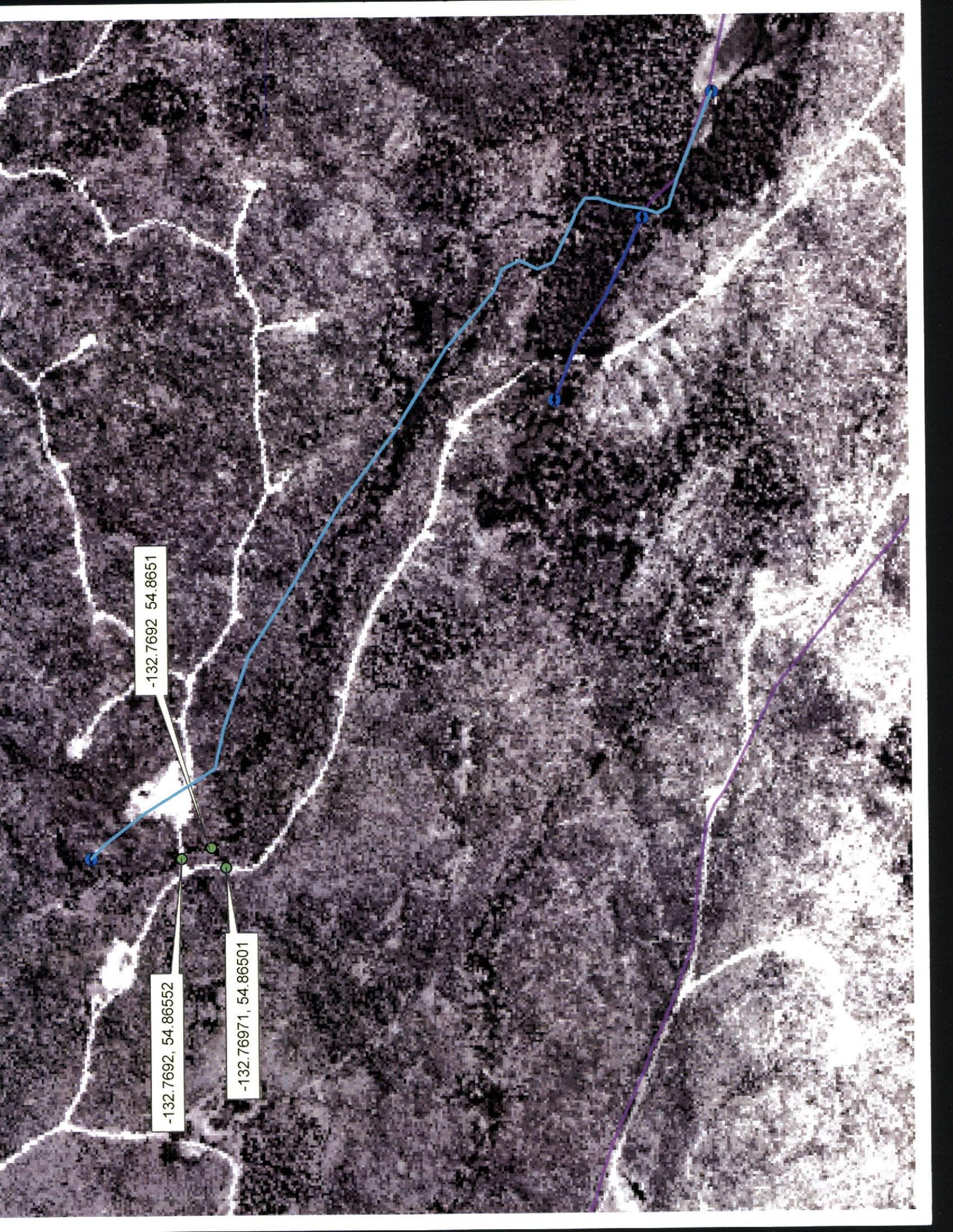
-132.76971, 54.86501



-132.7692, 54.86552

-132.76971, 54.86501





-132.7692 54.8651

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