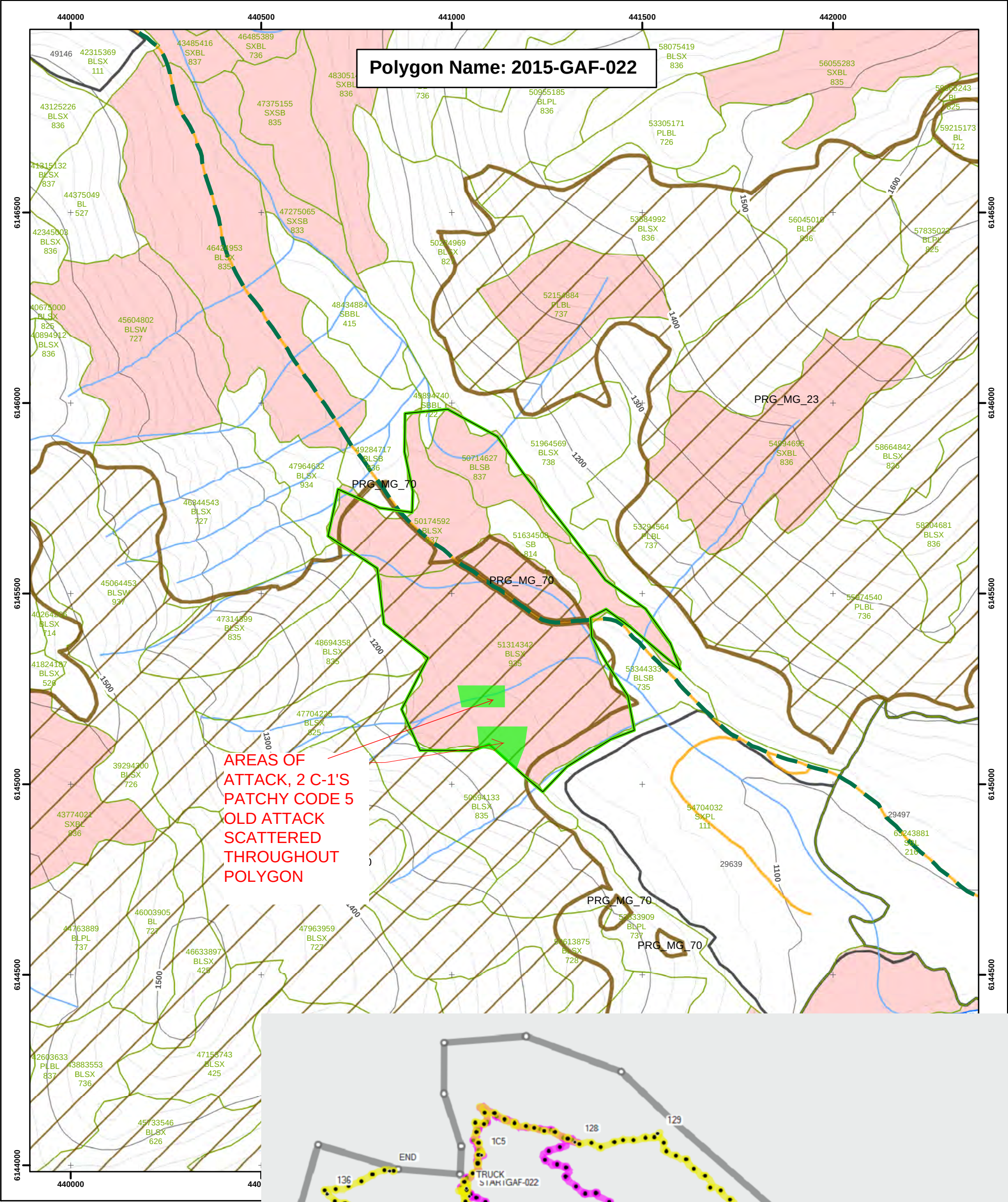




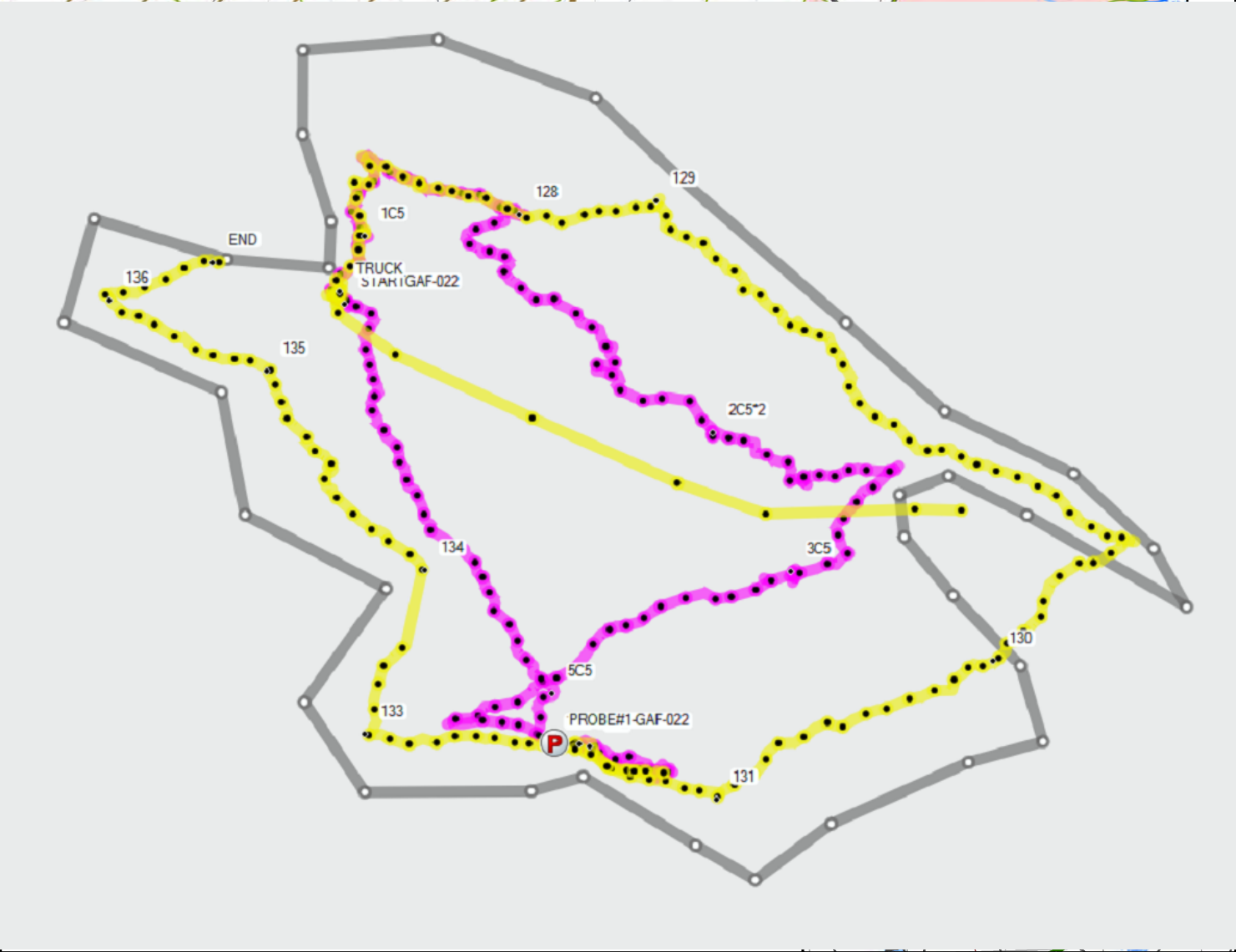


Ministry of
Forests, Lands and
Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2015-GAF-022

Landscape	Gaffney
Unit/BMU:	Omineca
Region:	Mackenzie
District:	093O05
Mapsheets:	45.34
Hectares:	1:10,000
Scale:	When plotted on 11x17
Coordinate System:	NAD 1983 UTM Zone 10N
Datum:	North American 1983
Date Drawn:	02/12/2015
Drawn By:	msnively



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PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3

Phone: (250) 561-0890, Fax: (250) 564-3275

WALKTHROUGH DISTANCE: 4500

**SPRUCE BARK BEETLE REPORT
FH16DMK016,017**

POLYGON: 2015-GAF-022 HECTARES: 45.34

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4) 2 4.4%**SUMMARY OF CURRENT INFESTATION**

Found 2 infested pixels in Walkthrough. These were in the southern portion of polygon with a mostly Balsam patch with Larger DBH Spruce.

PATCHY SCATTERED ATTACK**ACCESS**

Access is by Truck on Munro FSR,

POLYGON FEATURES (Topography, Terrain, Timber Types, Age)

Road ges through middle of polygon, Some Slopes ranging from 0-25% in areas. Eavy areas of Balsam throughout as well. Average 40% Sx, 60% Bl

SIZE, BOUNDARY and PATTERN OF INFESTATION

Walkthrough found 2 code 1 trees on 1st of two year cycle. Scattered Code 5 attack throughout polygon. Light scattered attacj=k on large spruce trees

INCIDENCE AND SEVERITY OF ATTACK

Moderate sanitation rating from one probe line also bark sample show a moderate mean larval density. Patchy infestation

RISK OF BEETLE SPREAD

With little attack noticed and minimal spruce, low rate of sppread but will continue to develop. Polygon at the bottom of a steep hill and attack is moving up the hill to the south,

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access with mainline running through, couple of drainages within polygon.

RECOMMENDATIONS**OPTION 1****MONITOR**

As only 2 code 1 trees found and scattered in a stand dominated by Balsam, best to shcedule another walkthrough 2016/2017. There are many code 5 attacked trees and infested trees found are on the first year of a 2 year cycle.

OPTION 2**TRAP TREES**

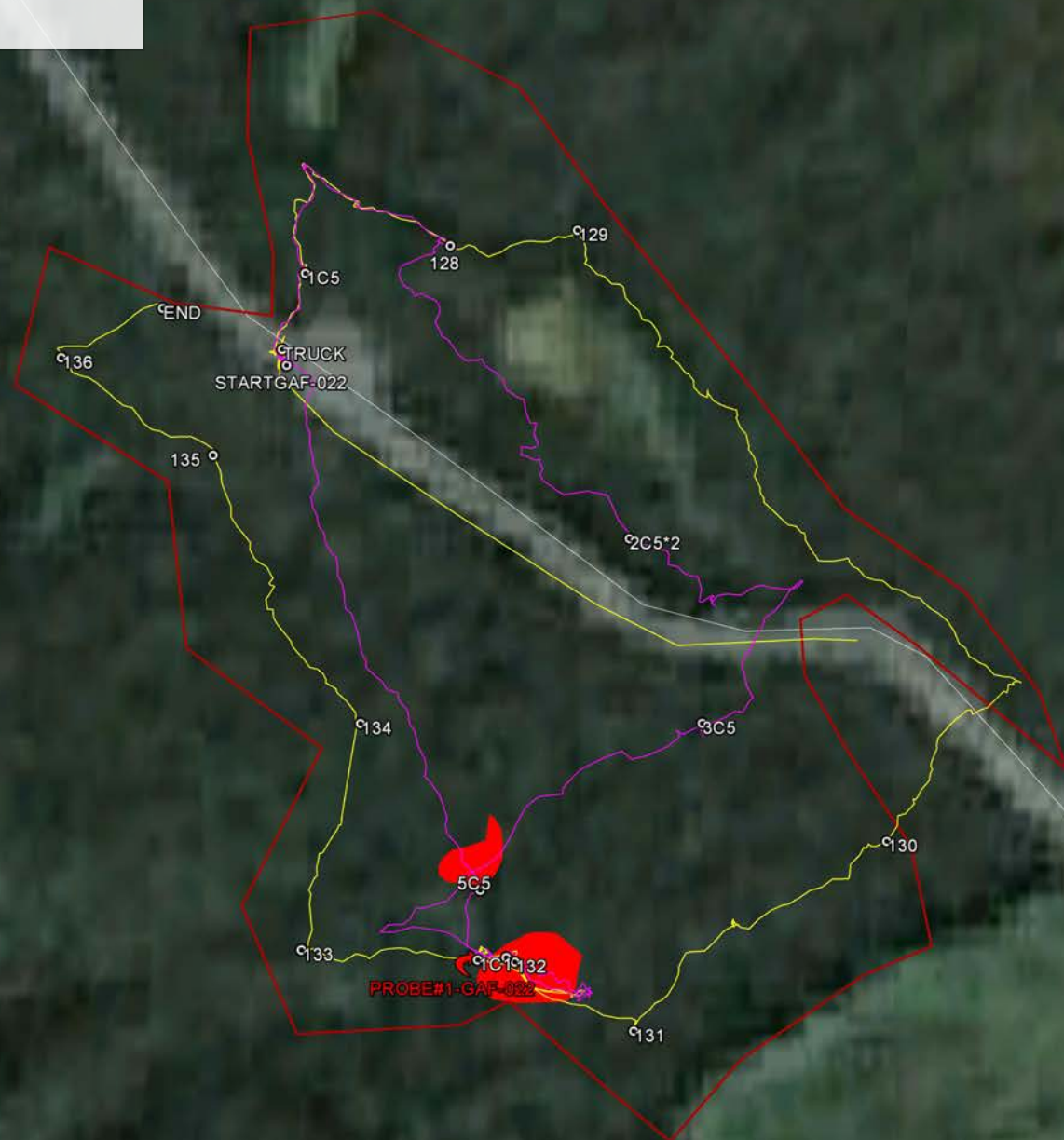
As along mainline, would be effective to Lay trap trees in Fall Winter 2016/2017 as infected trees are on the first year of a 2 year cycle with flight in 2017. Can work into plans within area.

2015-GAF-022

SPRUCE BEETLE WALKTHROUGHS

Legend

- SCATTERED ATTACK
- PROBES



Google earth

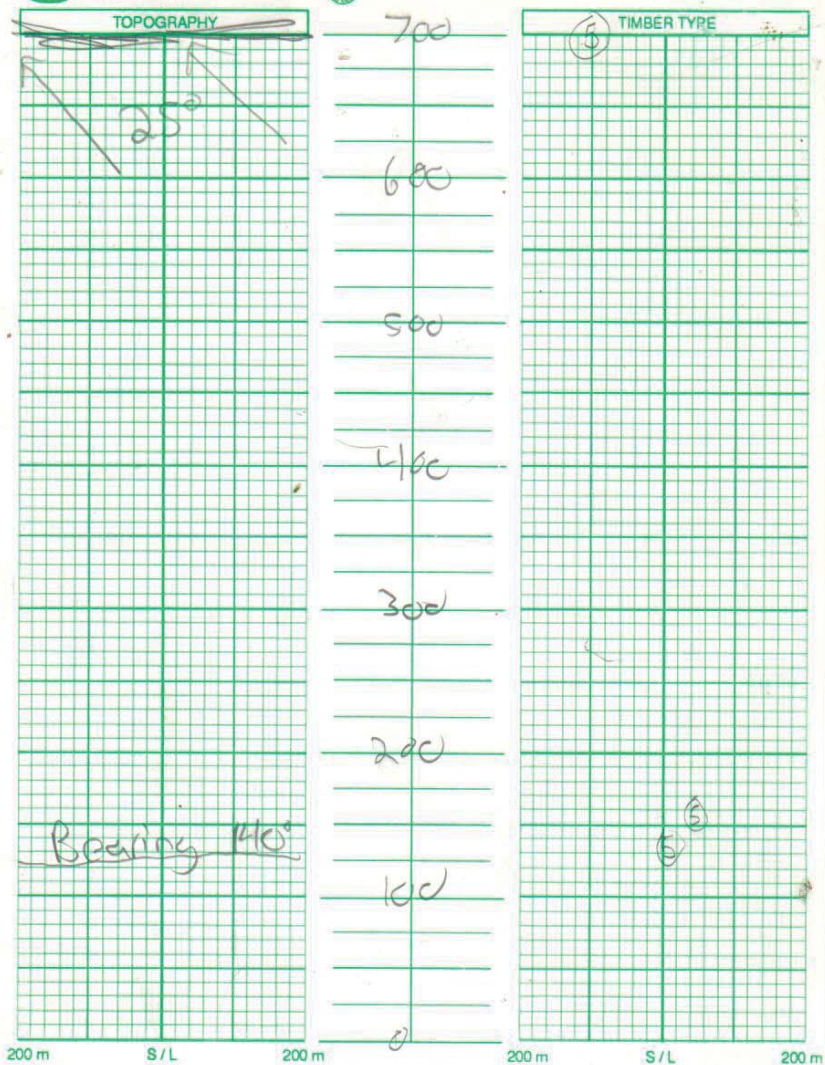
© 2016 Google
Image Landsat



600 m

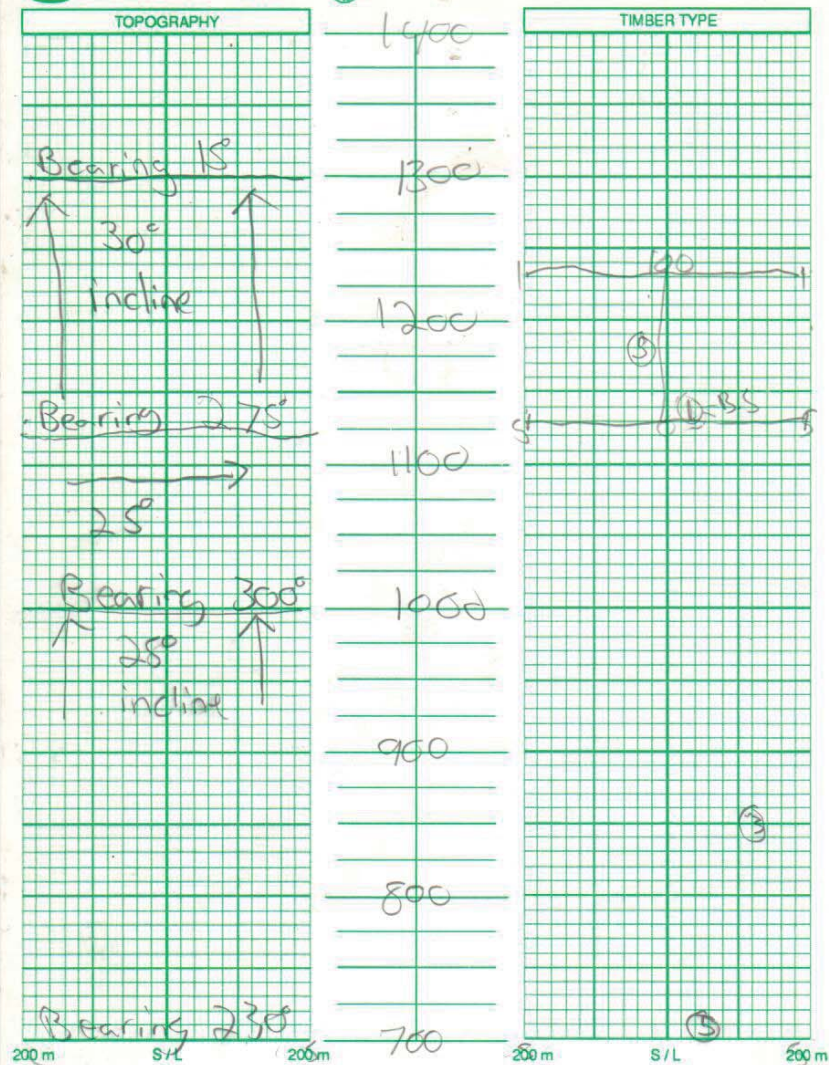
SPRUCE BEETLE PROBE CARD

LOCATION GAF-022		0941074 6145149		PAGE 1 OF 1						
BEARING 104°		DISTANCE 100 m		STRIP WIDTH 10 m						
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			1	2	3	4	5	6		
17.5 - 25.0	3.3									BALS
25.1 - 30.0	5.3									
30.1 - 35.0	7.1									
35.1 - 40.0	9.4	••								
40.1 - 45.0	11.6									
45.1 - 50.0	13.8									
50.1 - 55.0	16.2									
55.1 - 60.0	18.7									
60.1 +	25.3	•								
TOTALS		2	1					1		35
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
14	3	/	7	/	/	/	/			
1B	2	/	9	/	/	/	/			
COMMENTS										
CREW NAMES PAT/Dalton						DATE Y M D 14 10 12				

Ministry of
Forests

C.P. No. 1	BLOCK	
DIRECTION 82°(150m), 140°(575m)	START OF STRIP 0-700m	
JOB NO. GAF-022	DATE Feb. 2/16	
CREW Dailen, V		
REMARKS		

FS 375 HVA 92/01

Ministry of
Forests

C.P. No. 2	BLOCK	
DIRECTION 230°(300m), 300°(25m), 275°(25m)	START OF STRIP	700-1400
JOB NO. GAF-072	DATE	Feb. 2/16
CREW Dailen, V		
REMARKS		

FS 375 HVA 92/01



Province of
British Columbia

Ministry of
Forests



COMPASS AND TRAVERSE

TOPOGRAPHY

End

Bearing 88°

100%

Balsim

Bearing 300°

Bearing 325°

↑ 36°
decline ↑

2100

2000

1900

1800

1700

1600

1500

1400

TIMBER TYPE

(5)

(5)

200m S/L 200m 200m S/L 200m

C.P. No.	3	BLOCK	
DIRECTION	150°(200m) 325°(300m) 300°(150m)		
JOB NO.	GAF-022		
CREW	Dailen V		
REMARKS			
START OF STRIP	1400-2100		
DATE	Feb. 2/16		

FS 375 HVA 92/01

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE

705

600

291°

500

400

300

(5)(5)

200

100

790

0

0.01°

(3)

80% Bals

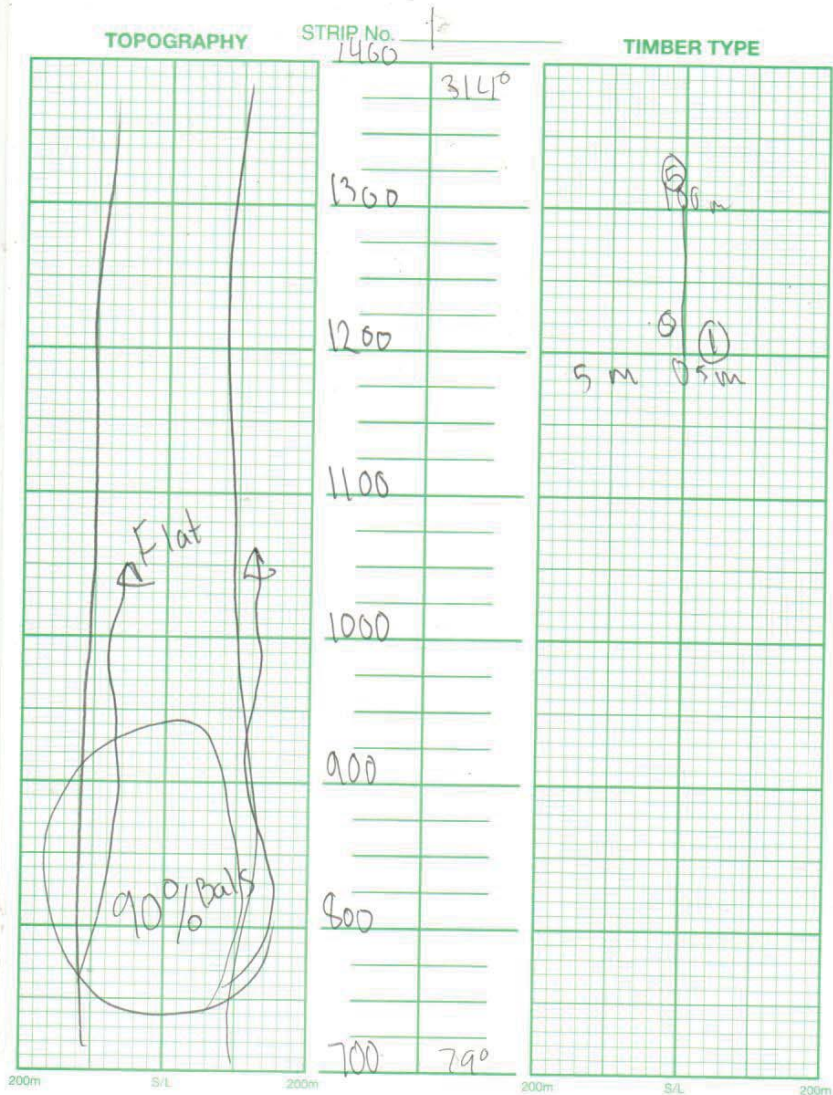
Flat

200m S/L 200m 200m S/L 200m

STRIP NO.:	1	DIRECTION:	0.01°, 790
START STRIP:	0-700		
JOB NO.:	GAF-22		
DATE:	Feb 2, 16		
CREW:	Pat Boivier		
REMARKS:			



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STRIP NO.: 1 **DIRECTION:** 79°, 314°

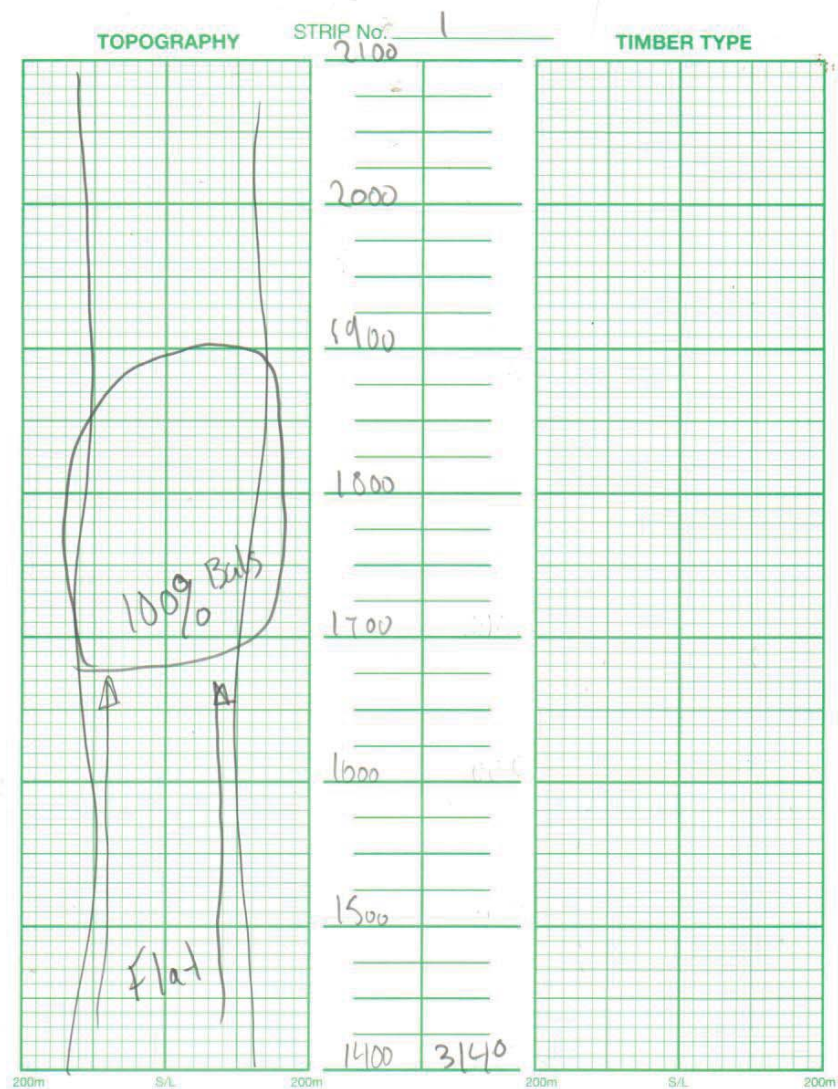
START STRIP: 700 - 1400

JOB NO.: GAF-022 **DATE:** FEB 2, 16

CREW: Pat Poirier

REMARKS:

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STRIP NO.: 1 **DIRECTION:** 314°

START STRIP: 1400 - 2100

JOB NO.: GAF-022 **DATE:** FEB 2, 16

CREW: Pat Poirier

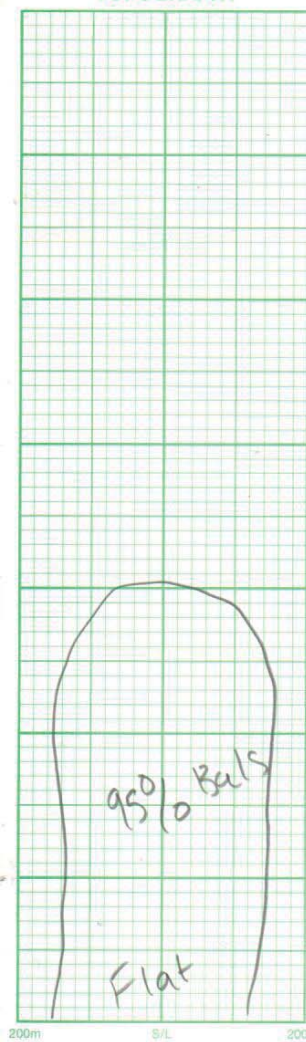
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TOPOGRAPHY

STRIP No. 2

TIMBER TYPE

TOPOGRAPHY	STRIP No. <u>2</u>	TIMBER TYPE
		
	2400	
	2300	
	2200	
	2100 320°	

STRIP NO.: 1DIRECTION: 320°START STRIP: 2100 - 2400JOB NO.: GAF-022 DATE: EEB2, 16CREW: Pat Poirier

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