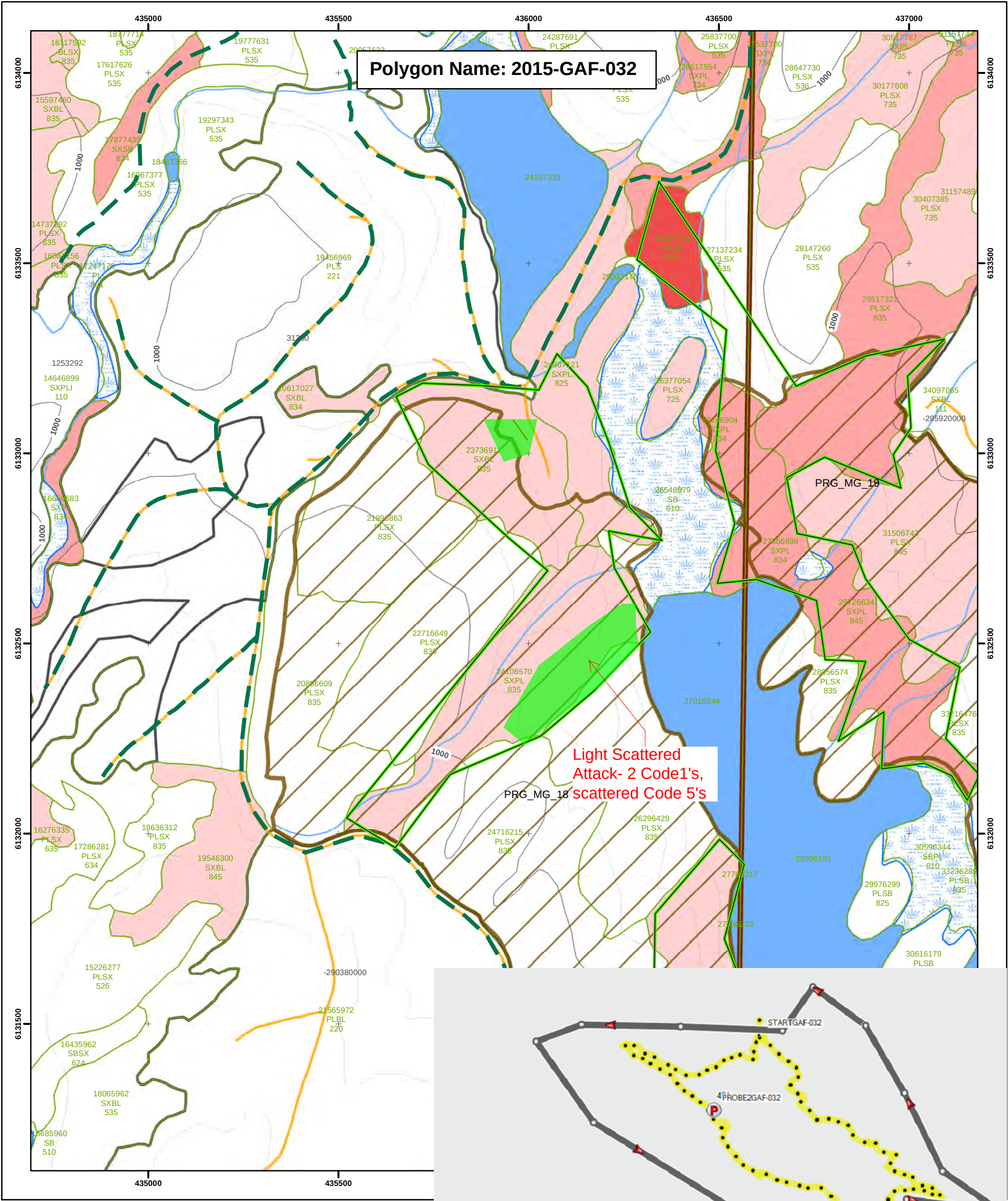
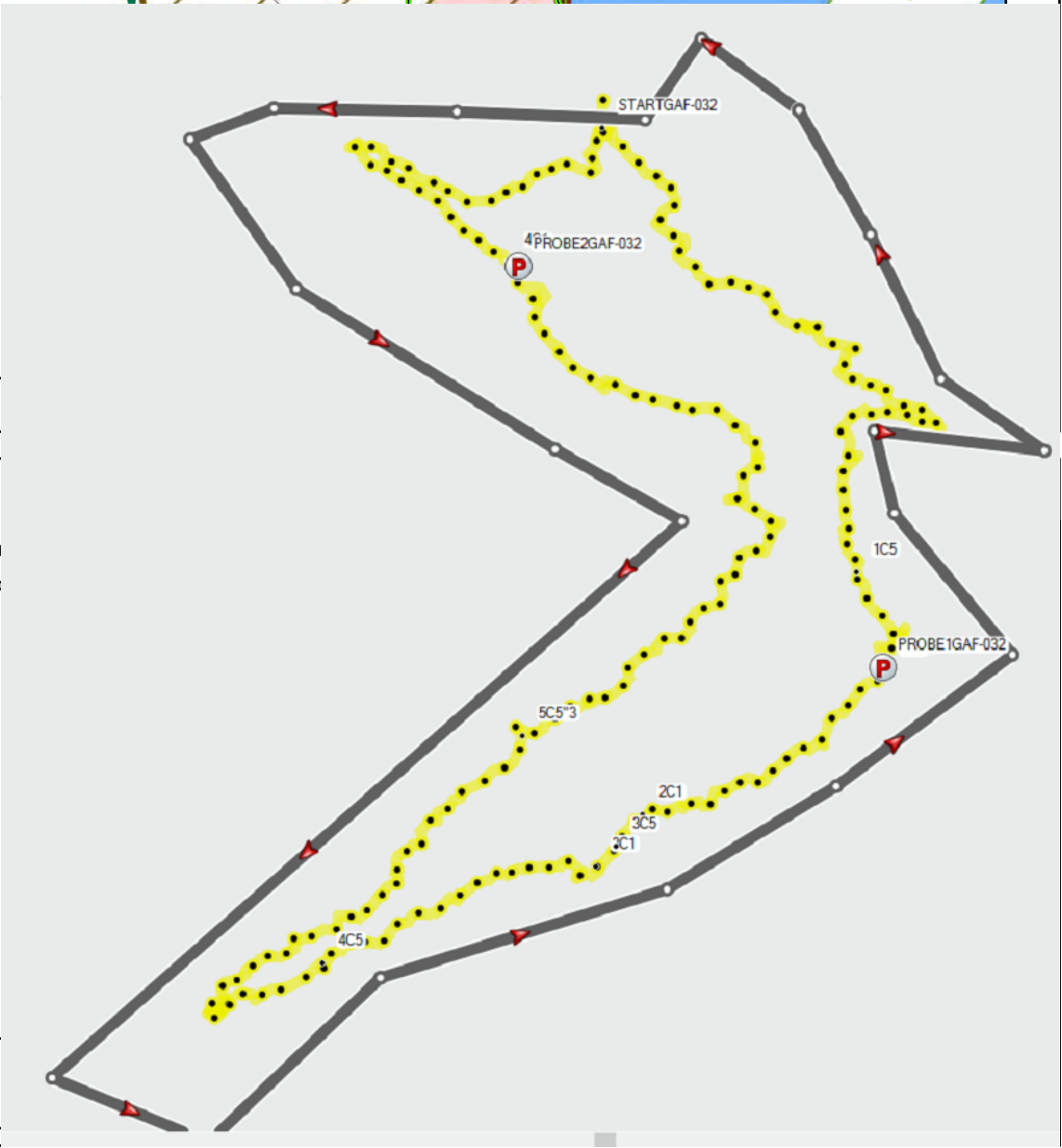




Spruce Bark Beetle Field Map

Polygon Name: 2015-GAF-032

Landscape Unit/BMU: Gaffney

Region: Omineca

District: Mackenzie

Mapsheet: 093N08

Hectares: 41.35

Scale: 1:10,000

When plotted on 11x17

Coordinate System: NAD 1983 UTM Zone 10N

Datum: North American 1983

Date Drawn: 02/12/2015

Drawn By: msnively

Map Features

- Susceptible Spruce Bark Beetle
- Cutting Permit
- RESULTS Opening
- VRI Polygon
- Beetle Management Unit
- Natural Resource District
- Road Permit Active
- Road Permit Pending
- Km Markers

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**SPRUCE BARK BEETLE REPORT
FH16DMK016,017**

POLYGON: 2015-GAF-032 HECTARES: 41.35

WALKTHROUGH DISTANCE: 2600

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4) 3 11.5%**SUMMARY OF CURRENT INFESTATION**

Walkthrough estimate shows 10% of polygon has recent attack. Scattered throughout also are older Code 5 attack. Road access from the north and south portions of Polygon. Scattered recent attack and much the same as close by polygon GAF029.

LIGHT SCATTERED ATTACK**ACCESS**

Access is mainline just past GAF029 along same road. Cross a bridge just before the start of polygon in the north, large clearing cleared out for parking.

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

Slope was 0% in the north and 15-20% heading down in to the south. Patches of dense Balsam throughout polygon with intermittent spruce stands. Boundaried to the North and East in the East West side by older cutblocks.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Some attack mainly located in the southern portion of polygon near Munro Lake. Patchy attack with Code 5 attacked trees throughout most of polygon.

INCIDENCE AND SEVERITY OF ATTACK

Two probe lines with mod attack density and low larval density. Moderate Sanitation rating with scattered attack mainly in the south. (1 code 1 in north)

RISK OF BEETLE SPREAD

Polygon surrounded by cutblocks but has room to spread with and to the south and west. Light spruce component in areas where there are thick balsam and Dead pine s=patches.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access to the north and road also comes in from the south.

RECOMMENDATIONS GAF029 JUST TO THE NORTH**OPTION 1****TRAP TREES**

Sanitation and salvage rating Moderate from the one probe line taken. Best to work at same time as GAF029 with trap tree trail in the north off of mainline and one from the south off of mainline (Needs to be plowed) to incorporate the recent attack in the south.

OPTION 2**MONITOR/ BAIT**

Set Baits to capture part of 2016 flight if trap trees not an option. Monitor as light Spruce stand.

2015-GAF-032

SPRUCE BEETLE WALKTHROUGH

Legend

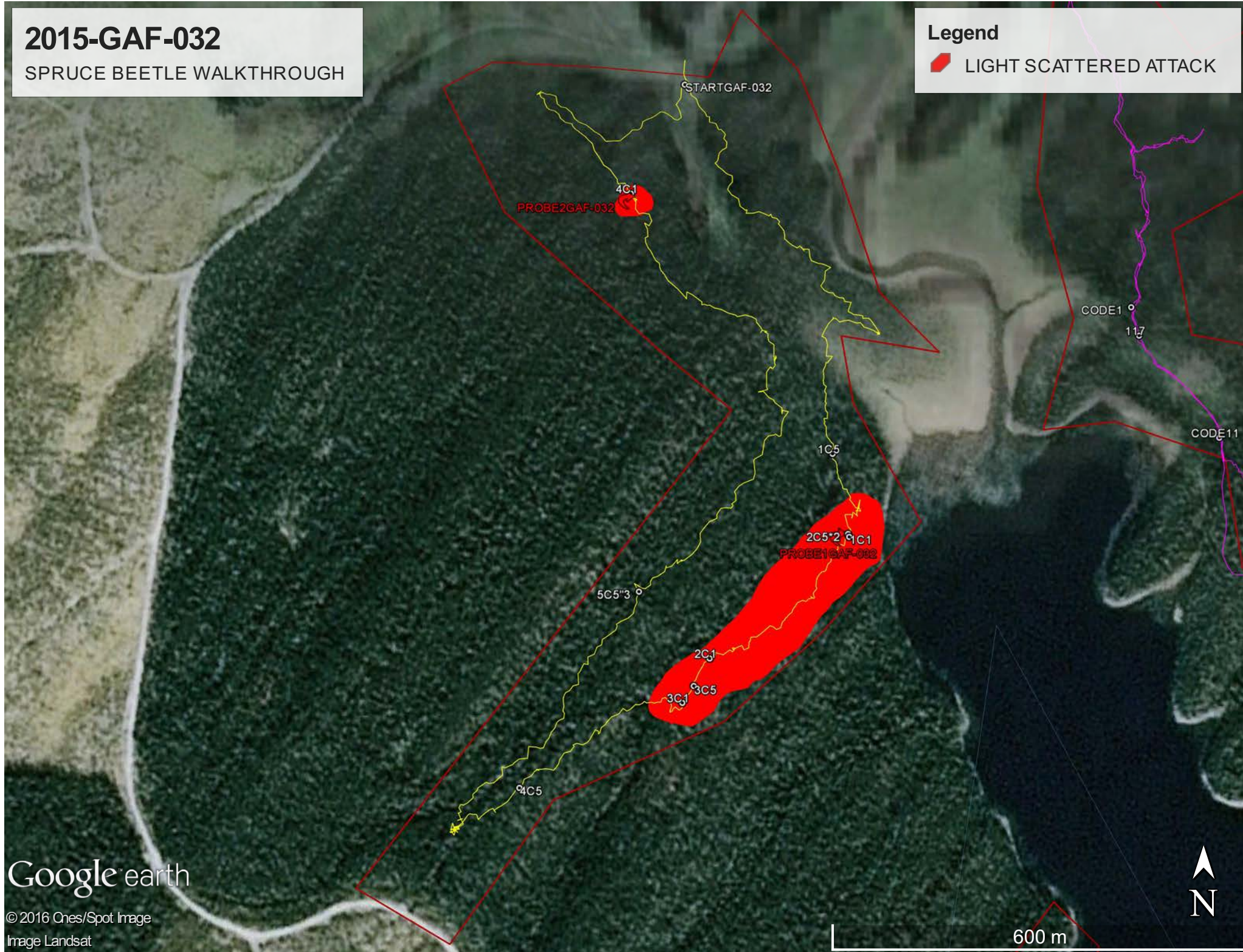
 LIGHT SCATTERED ATTACK

Google earth

© 2016 Ones/Spot Image
Image Landsat

N

600 m



SPRUCE BEETLE PROBE CARD

LOCATION GAF-032		U 0436212 6132516		PAGE 1 OF 1					
BEARING 2240		DISTANCE 100		STRIP WIDTH 10					
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	00							BA1
25.1 - 30.0	5.3	1							00
30.1 - 35.0	7.1	2							00
35.1 - 40.0	9.4	10							00
40.1 - 45.0	11.6	2							00
45.1 - 50.0	13.8								
50.1 - 55.0	16.2								
55.1 - 60.0	18.7								
60.1 +	25.3								
TOTALS		20	1					3	22
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN			
						Attacked	Unattacked		
1A	4	/	1	/	/				
1B	1	/	2	/	/				
COMMENTS - probe in pink flag.									
CREW NAMES Pat Poirier						DATE Y M D 16 01 21			

FS 1111 RPG 2000/01 7530881048 (100/bdl)

SPRUCE BEETLE PROBE CARD

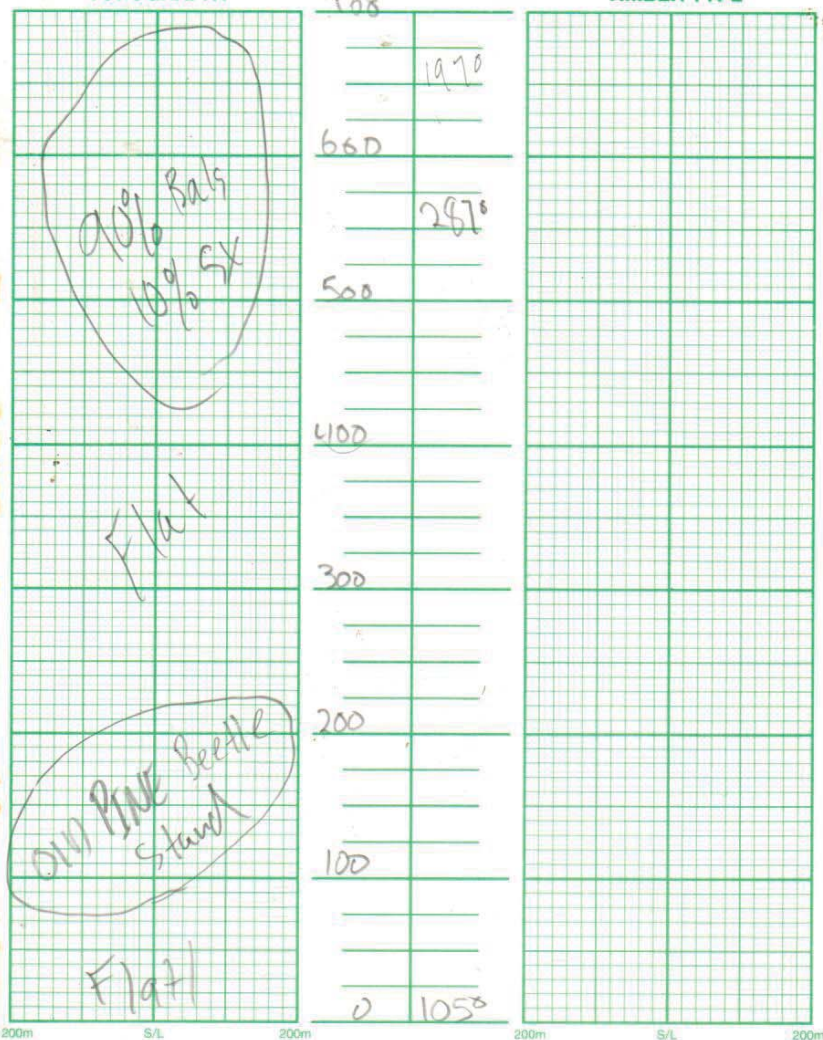
LOCATION GAF-032		U 0435913 6132994		PAGE 2 OF 2					
BEARING 410		DISTANCE 100 m		STRIP WIDTH 10 m					
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			1	2	3	4	5	6	
17.5 - 25.0	3.3	00							BA1
25.1 - 30.0	5.3	0							00
30.1 - 35.0	7.1	00							00
35.1 - 40.0	9.4	00							
40.1 - 45.0	11.6	00							00
45.1 - 50.0	13.8								
50.1 - 55.0	16.2								
55.1 - 60.0	18.7								
60.1 +	25.3								
TOTALS		16							22
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN			
						Attacked	Unattacked		
2A	3	/	1	/	/				
	1	/	2	/	/				
COMMENTS Zero hit trees in probe									
CREW NAMES Pat Poirier						DATE Y M D 16 01 21			

FS 1111 RPG 2000/01 7530881048 (100/bdl)

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1

DIRECTION:

1050, 281°, 1970

START STRIP: 6-700

JOB NO.: GAF-032

DATE:

JAN 21, 16

CREW:

Pat Poirier

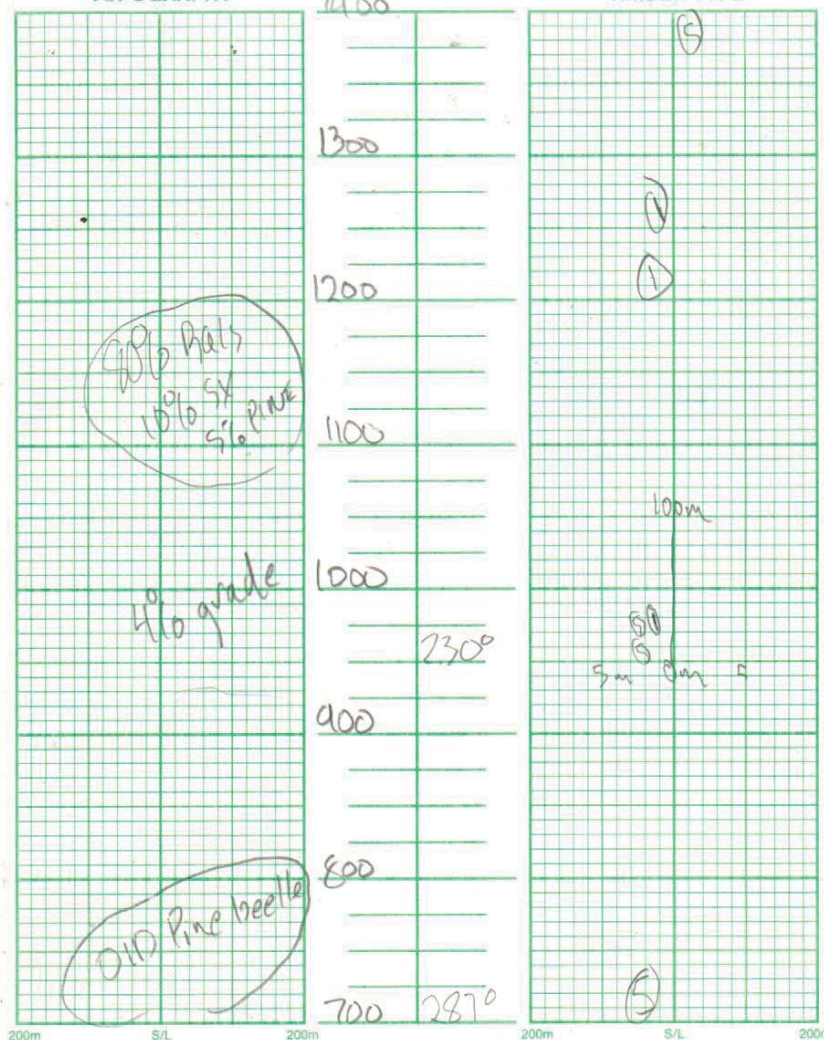
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TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1

DIRECTION:

287°, 230°

START STRIP: 700-1400

JOB NO.: GAF-032

DATE:

JAN 21, 16

CREW:

Pat Poirier

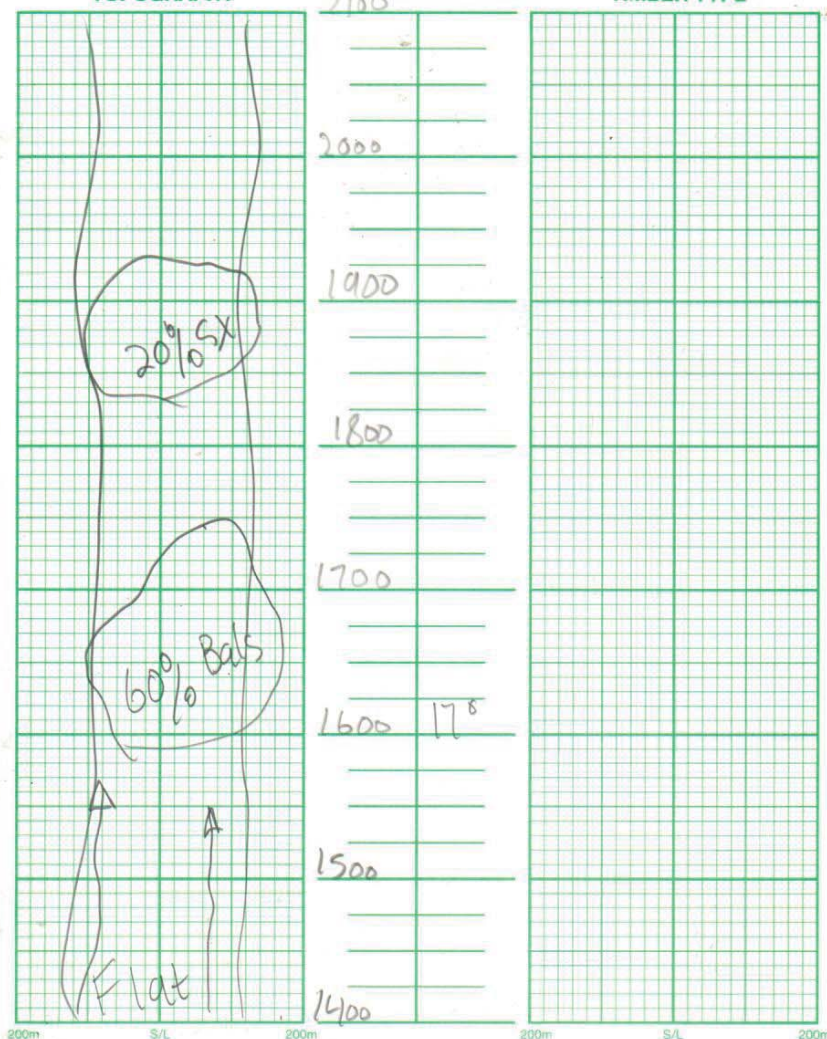
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TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 230°, 170°
 START STRIP: 1400 - 2100
 JOB NO.: GAF-032 DATE: JAN-21, 16
 CREW: Pat Poirier
 REMARKS:

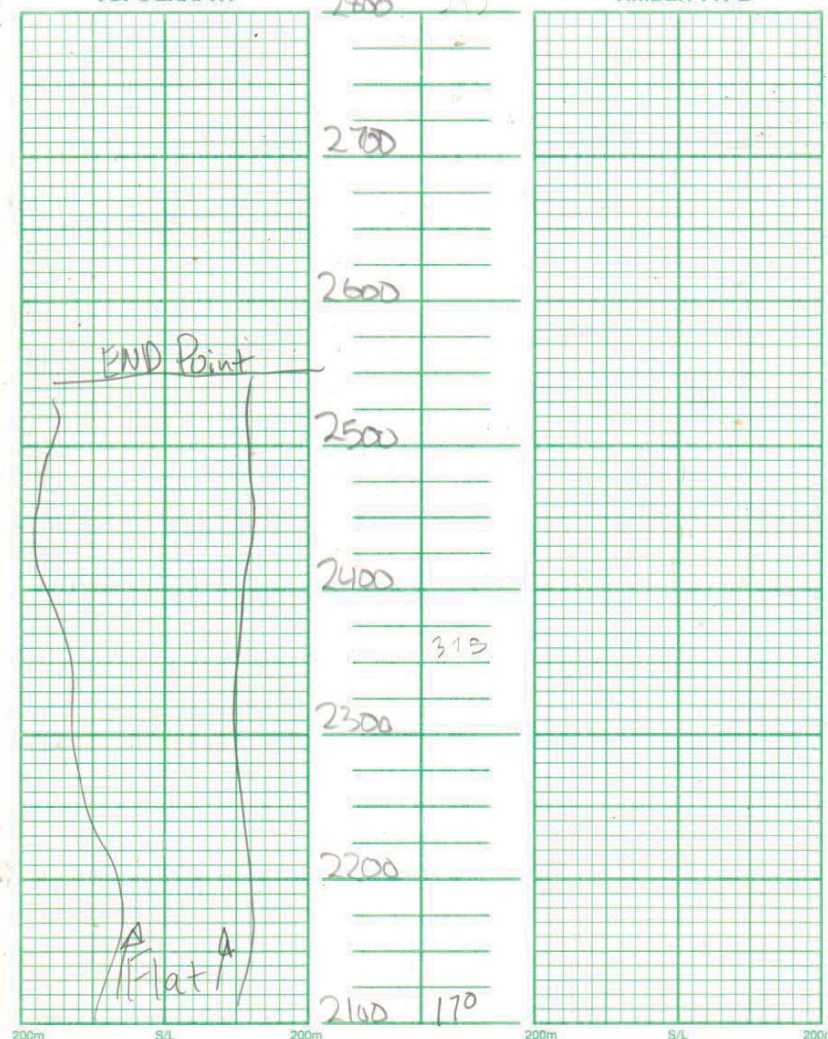


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TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 170°
 START STRIP: 2100 - 2800
 JOB NO.: GAF-032 DATE: JAN 21, 16
 CREW: Pat Poirier
 REMARKS:



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