

**SENECA ENTERPRISES LTD.**

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WALKTHROUGH DISTANCE: **4200****SPRUCE BARK BEETLE REPORT
FH16DMK010**POLYGON: **2015-PHI-024**HECTARES: **88.74**ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)**2 4.8%****SUMMARY OF CURRENT INFESTATION**

Walkthrough shows 5% infested from 2 pixels. These were located alongside creek which runs the length of the polygon. Scattered old attack also found down the length of the creek as well and is lightly scattered in this area. Rest of Polygon mixed stand with Dead pine and no recent or older attack of spruce noticed.

LIGHT SCATTERED ATTACK**ACCESS**

Walk 300m off of mainline from the South. Steep slopes when entering polygon from south

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

Drainage runs through the center of polygon with steep slopes on either side of creek. Areas with Dead Pine, with larger spruce located along creek

SIZE, BOUNDARY and PATTERN OF INFESTATION

Code 5 old attacked trees found scattered along creek drainage within Polygon. There were 2 pixels with attacked trees and were light attack and scattered alongside creek draw.

INCIDENCE AND SEVERITY OF ATTACK

2 probe lines and 1 bark sample represented all attacked areas with moderate attack density and low mean larval density. May be more attack but very light and scattered.

RISK OF BEETLE SPREAD

Polygon has light scattered attack and is centralized mainly with creek draw. Outside of it patches of dead pine and Polygon surrounded by cutblocks for the most part. Low risk of spread with low mean larval density

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Access is via connector which runs close to the west boundary. Steep slopes to enter polygon and most of the attack is within drainage with creek and steep pitches as well.

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

As there is evidence of older attack and 2 pixels finding current Code 1 attack on a 2 year life cycle, schedule another walkthrough in Fall 2016 or 2017 to further track attack and intensity.

OPTION 2**NO ACTION**

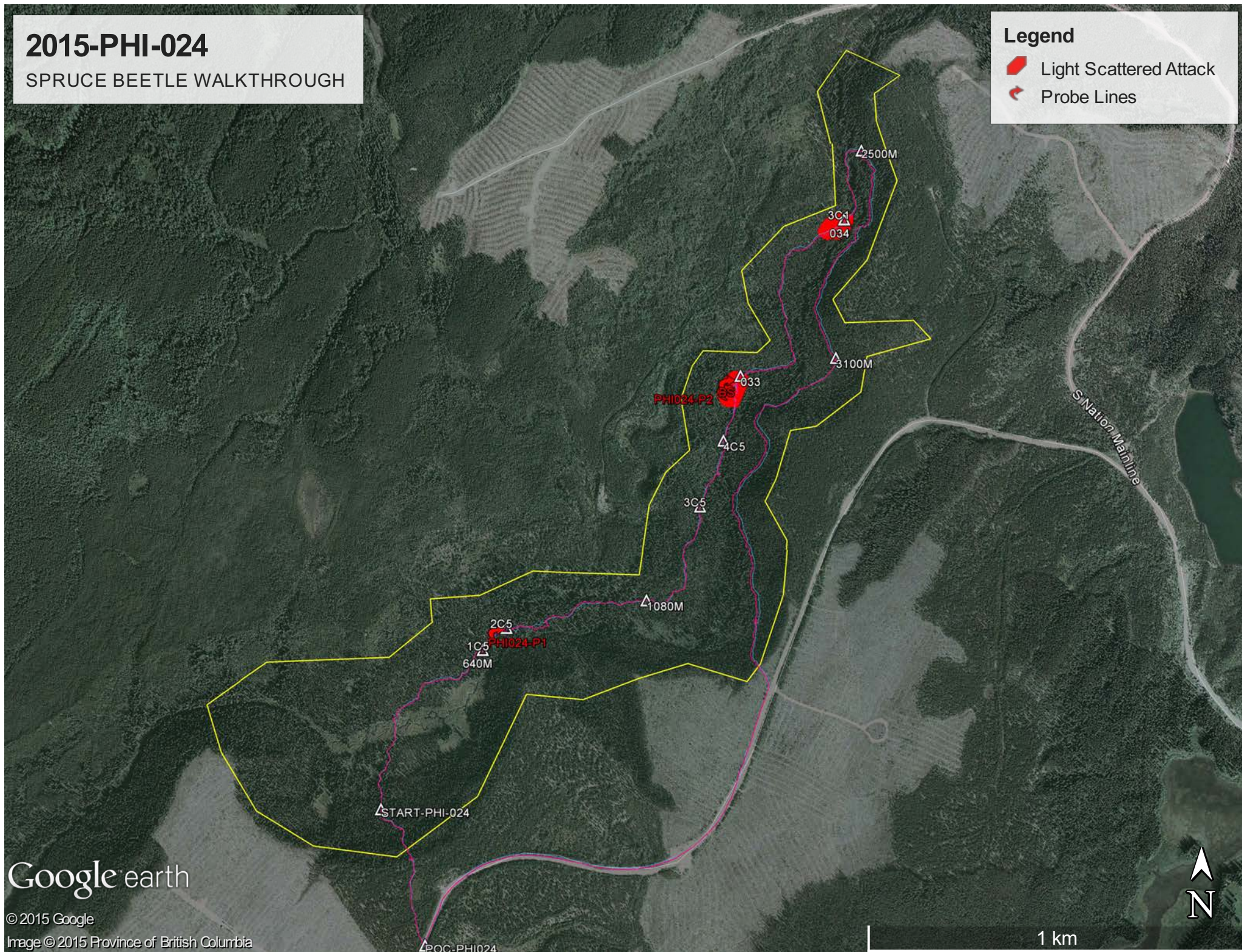
As steep pitches down into polygon, and light scattered attack, no action required.

2015-PHI-024

SPRUCE BEETLE WALKTHROUGH

Legend

- Light Scattered Attack
- Probe Lines



Google earth

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P1

BEETLE PROBE CARD

LOCATION	0459073 PH1-024 6106936	ELEVATION	965	LATITUDE		PAGE	OF			
BEARING	80	STRIP LINE NO	1	STRIP WIDTH	10m	DISTANCE	100m			
BEETLE SPECIES		☒ SB ☐ MPB ☐ DFB								
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
									MAIN	OTHER
12.5 - 17.4	2.0								B1	P1
17.5 - 25.0	3.3	••								
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		24				2	10	18		
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
✓										
✓										
COMMENTS - DEAD PINE IN PROBE - OPEN STAND.										
CREW NAMES						DATE				
JAMES / PAT						15 / 11 / 27				

FS 1111A RPG 00/02 7530881049 (100/bdl)



BRITISH COLUMBIA



P2 - PH1-024

BEETLE PROBE CARD

LOCATION	0459668 PH1-024 6107553	ELEVATION	950m	LATITUDE		PAGE	OF			
BEARING	20°	STRIP LINE NO	1	STRIP WIDTH	10m	DISTANCE	100m			
BEETLE SPECIES		☒ SB ☐ MPB ☐ DFB								
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
									MAIN	OTHER
12.5 - 17.4	2.0								B1	P1
17.5 - 25.0	3.3	••							••	••
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		24	2					1	20	15
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
N	2	1	5	1	1					
S	2	1	6	1	1					
COMMENTS 0-BS - Large SK - close to creek. - dead pine end of probe.										
CREW NAMES						DATE				
JAMES / PAT						15 / 11 / 27				

FS 1111A RPG 00/02 7530881049 (100/bdl)



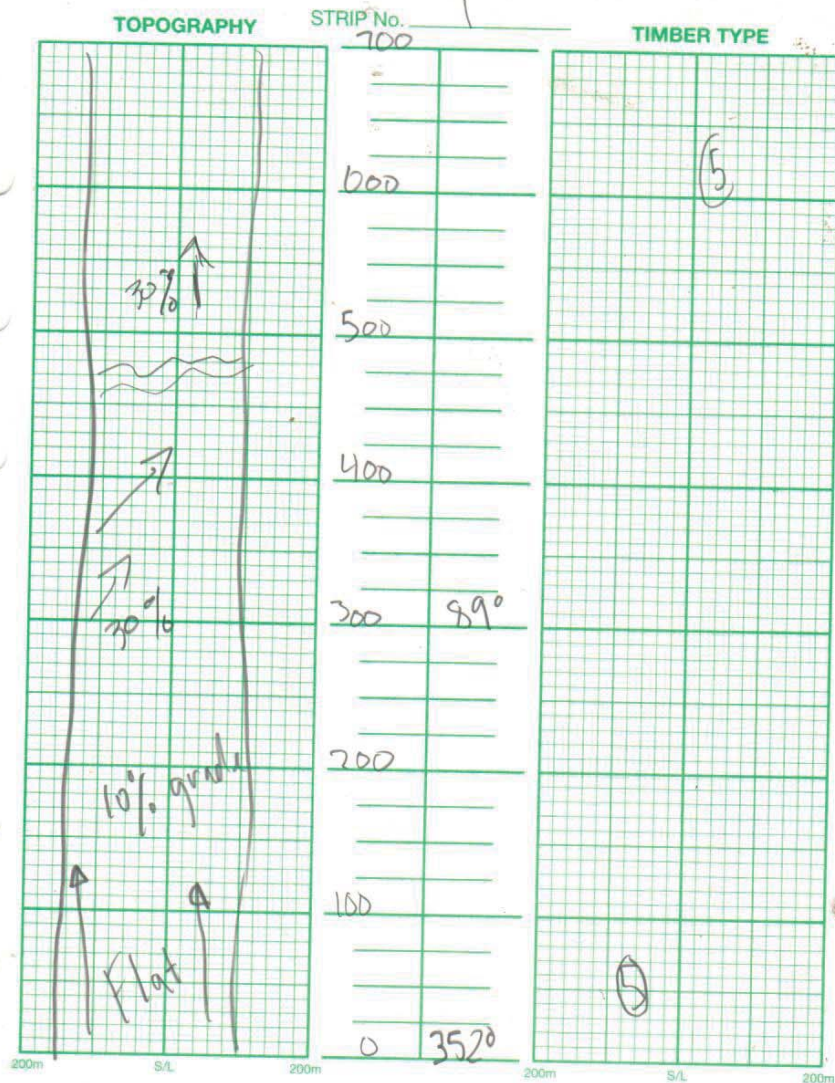
BRITISH
COLUMBIA



BEETLE PROBE CARD

BS - P11-24

LOCATION		0439460 6107989		ELEVATION	950		LATITUDE	PAGE	OF	
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES ☐ SB ☐ MPB ☐ DFB						
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
									MAIN	OTHER
12.5 - 17.4	2.0		1	2	3	4	5	6		
17.5 - 25.0	3.3									
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										
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
N	3	/	2	/	/					
S	2	/	1	/	/					
COMMENTS BS										
CREW NAMES JAMES / PAT						DATE Y M D 15 11 27				



STRIP NO.: 1

DIRECTION: 352°

START STRIP: 0-700

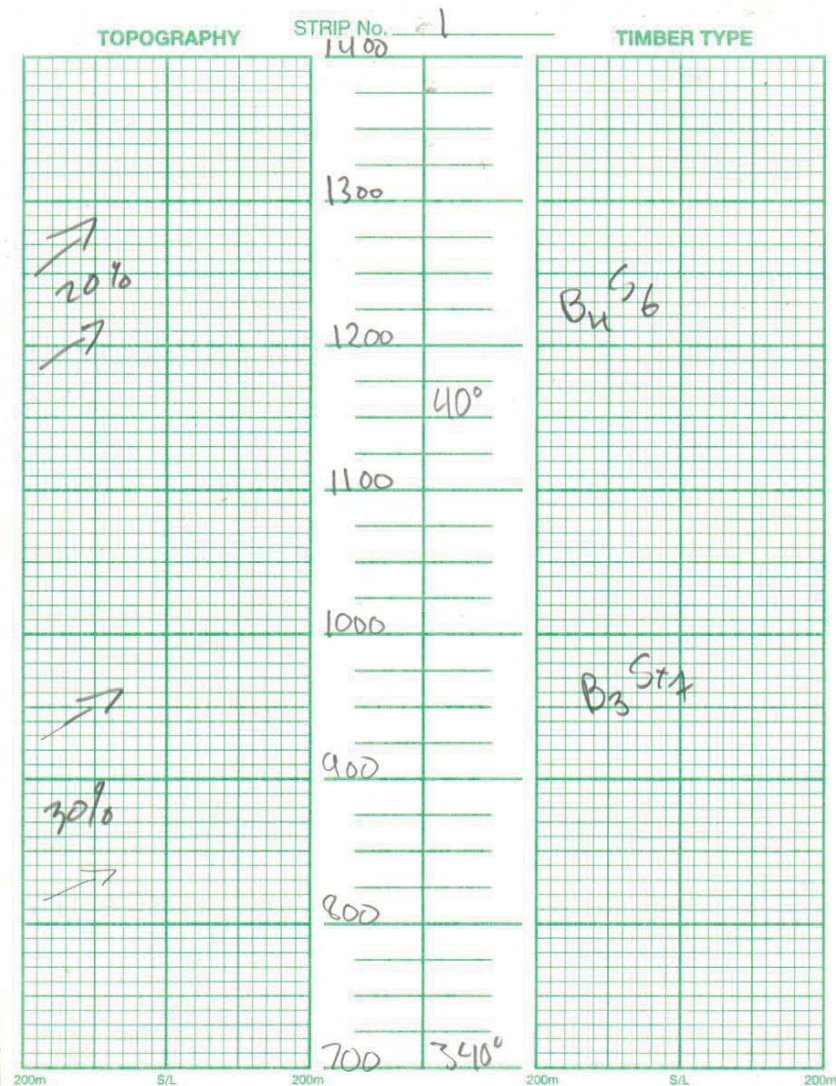
JOB NO.: PH1-024

DATE: NOV 27, 15

CREW: Pat/James

REMARKS:

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STRIP NO.: 1

DIRECTION: 340°, 40°

START STRIP: 700-1400

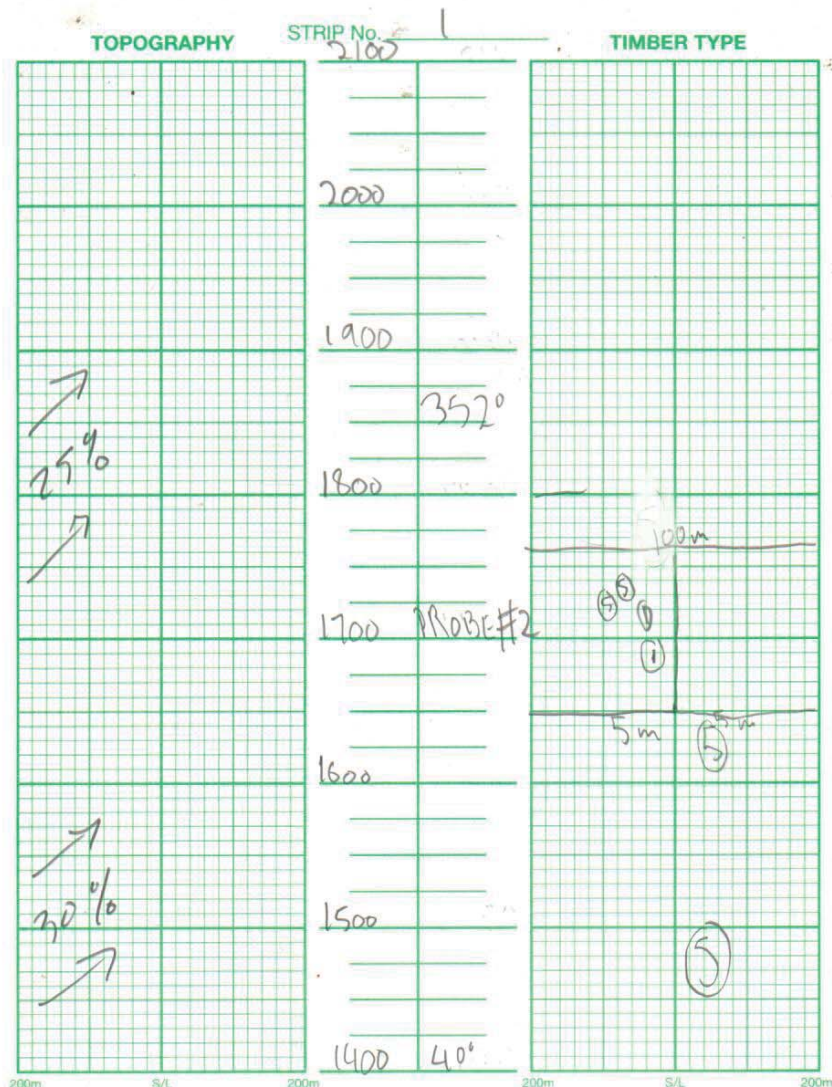
JOB NO.: PH1-024

DATE: NOV 27, 15

CREW:

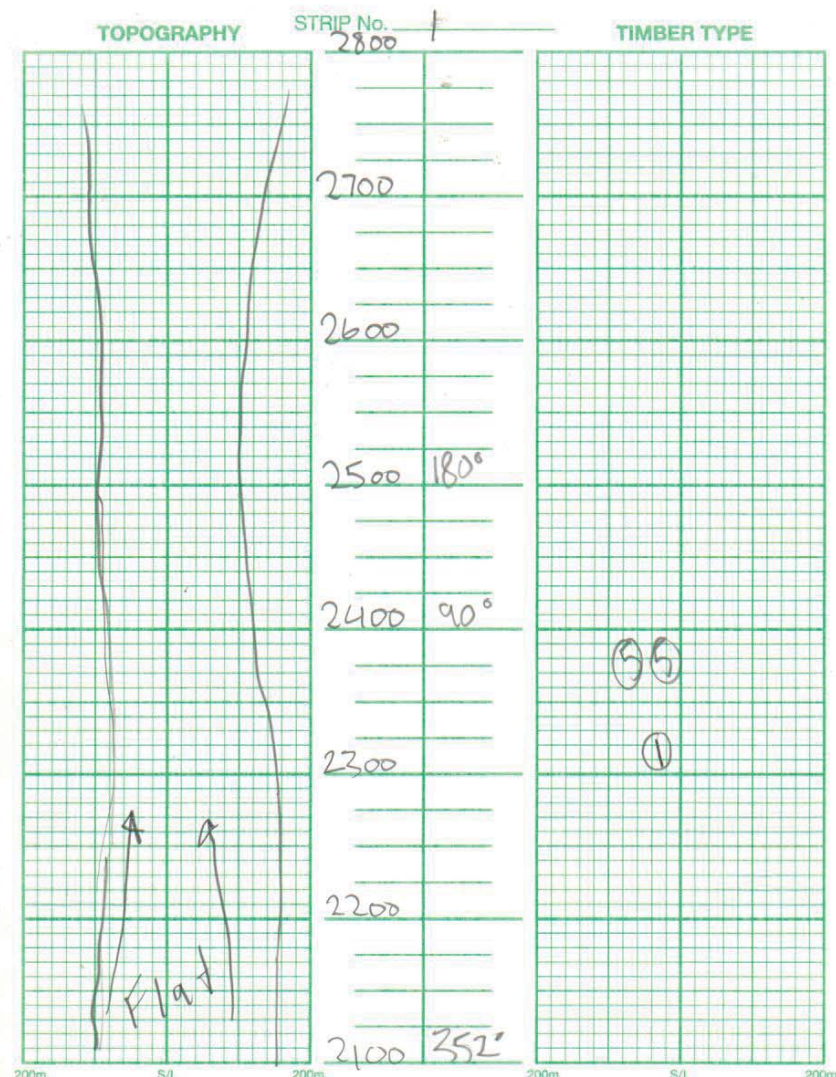
REMARKS:

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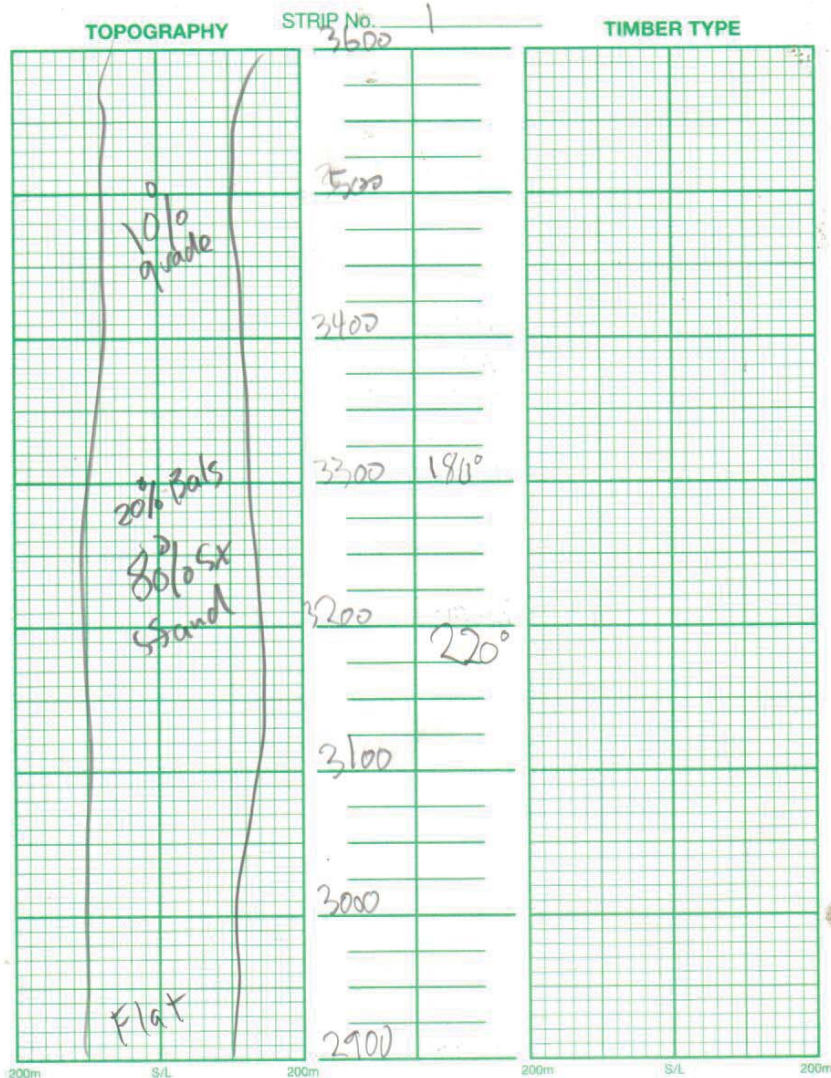
STRIP NO.: 1 DIRECTION: 40°, 352°
 START STRIP: 1400 - 2100
 JOB NO.: PH1-024 DATE: NOV 27, 15
 CREW: Pat/James
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STRIP NO.: 1 DIRECTION: 352°, 90°, 180°
 START STRIP: 2100 - 2800
 JOB NO.: PH1-024 DATE: NOV 27, 15
 CREW: Pat/James
 REMARKS:

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STRIP NO.: 1 DIRECTION: 220°, 180°

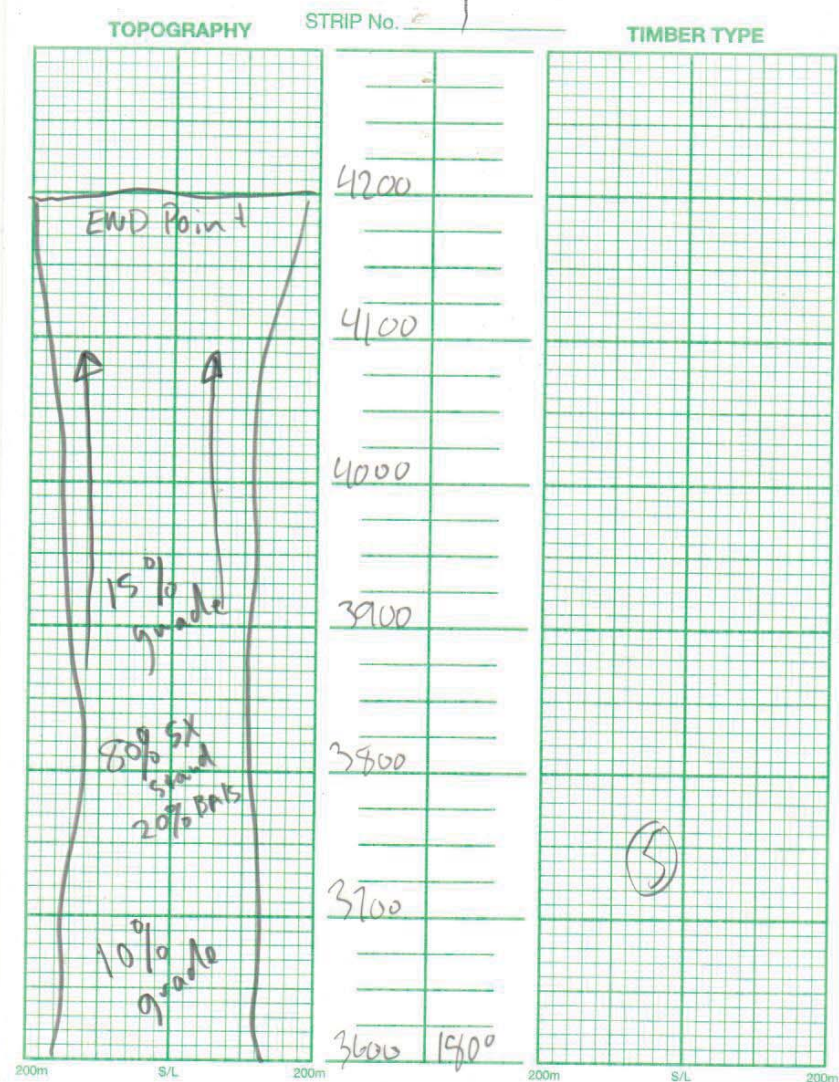
START STRIP: 2900 - 3600

JOB NO.: PHI-024 DATE: NOV 27, 15

CREW: Pat / James

REMARKS:

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STRIP NO.: 1 DIRECTION: 180

START STRIP: 3600 - 4200

JOB NO.: PHI-024 DATE: NOV 27, 15

CREW: Pat / James

REMARKS:

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