

Spruce Bark Beetle Report 2015 Fall

2015-PHI-027

ADMINISTRATION

Polygon: PHI027 **Hectares:** 213.42 **Exact Location:** approx. 3.5 km off the connector at 5km

Walkthrough: 10970m **Number of Probe Pixels:** 5 **Date:** 2015.11.18-19 **Crew:** J. Cousens, M. Vanderstap, S. Turcotte

STAND INFORMATION

Site Description: (topography, terrain, timber types, stand age, influences)

This is a very large polygon situated on a large hillside that is well drained with many small creeks and wetlands. It is surrounded almost exclusively on all sides by mature and immature timber, there is an older cutblock on a portion of the east boundary. Slope averages 30% with a rough east and northeast aspect. The remaining composition (excluding the dead pine) is roughly and even mix of mature spruce and balsam fir. Blowdown among these species is generally light.

Stand Susceptibility: Moderate

Access: 4WD, walk

Other Considerations or Limiting Factors: riparian areas, poor access.

SUMMARY OF CURRENT INFESTATION:

Currently low attack in the stand, but spread is definitely a possibility due to the large amount of large diameter healthy spruce. The attack noted is on a two year cycle with scattered code fives.

<i>Volume Healthy</i>	<i>Volume Year One Attack</i>	<i>Volume Year Two Attack</i>		<i>Volume Old Attack</i>	
999.7	61.7	0		26.9	
<i>Bark Sample Data (combined)</i>	<i>Entrance Holes</i>	<i>Adults</i>	<i>Larvae</i>	<i>Pupae</i>	<i>Young Adults</i>
	32	28	45	11	0



BEEBLE PROBE CARD

LOCATION		ELEVATION		LATITUDE		PAGE					
5		10m		11		1					
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEEBLE SPECIES							
540	574	10m	100m	☒ SB ☐ MPB ☐ DFB							
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	MAIN	OTHER	
12.5 - 17.4	2.0										
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	0	4	0	0		NA
S	4	1	5	0	0		

COMMENTS: 3 Bark sample

CREW NAMES: Simon Twissle

DATE: 15 Y 11 M 10 D

FS 1111A RFG 00102 7530881049 (100bbl)



BEEBLE PROBE CARD

LOCATION		ELEVATION		LATITUDE		PAGE					
048234-61137B		10m		100m		212					
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEEBLE SPECIES							
1240	122	10m	100m	☒ SB ☐ MPB ☐ DFB							
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	MAIN	OTHER	
12.5 - 17.4	2.0										
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	4	10	8				
S	6	5	9				

COMMENTS:

CREW NAMES: James Cogger

DATE: 2015 Y 11 M 18 D

FS 1111A RFG 00102 7530881049 (100bbl)

LOCATION		0482862-6114009		ELEVATION	1	LATITUDE	1	PAGE	2
BEARING	274	STRIP LINE NO	2C1	STRIP WIDTH	10m	DISTANCE	100m	BEETLE SPECIES	☒ SB ☐ MPB ☐ DFB
DIAMETER CLASS	12.5 - 17.4	SURFACE AREA FACTOR	2.0	NUMBER OF HEALTHY HOSTS	1	BARK BEETLE CODE BY YEAR OF ATTACK	1	OTHER TREE SPECIES	PLAHI
17.5 - 25.0	3.3				2	2	3	4	5
25.1 - 30.0	5.3				3	3	3	3	3
30.1 - 35.0	7.1				4	4	4	4	4
35.1 - 40.0	9.4				5	5	5	5	5
40.1 - 45.0	11.6				6	6	6	6	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		
							Attached	Unattached	
COMMENTS									
CREW NAMES		James Cousins							
DATE		2015 11 18							

FS 1111A RP6 00-02 7530881049 (100bnd)

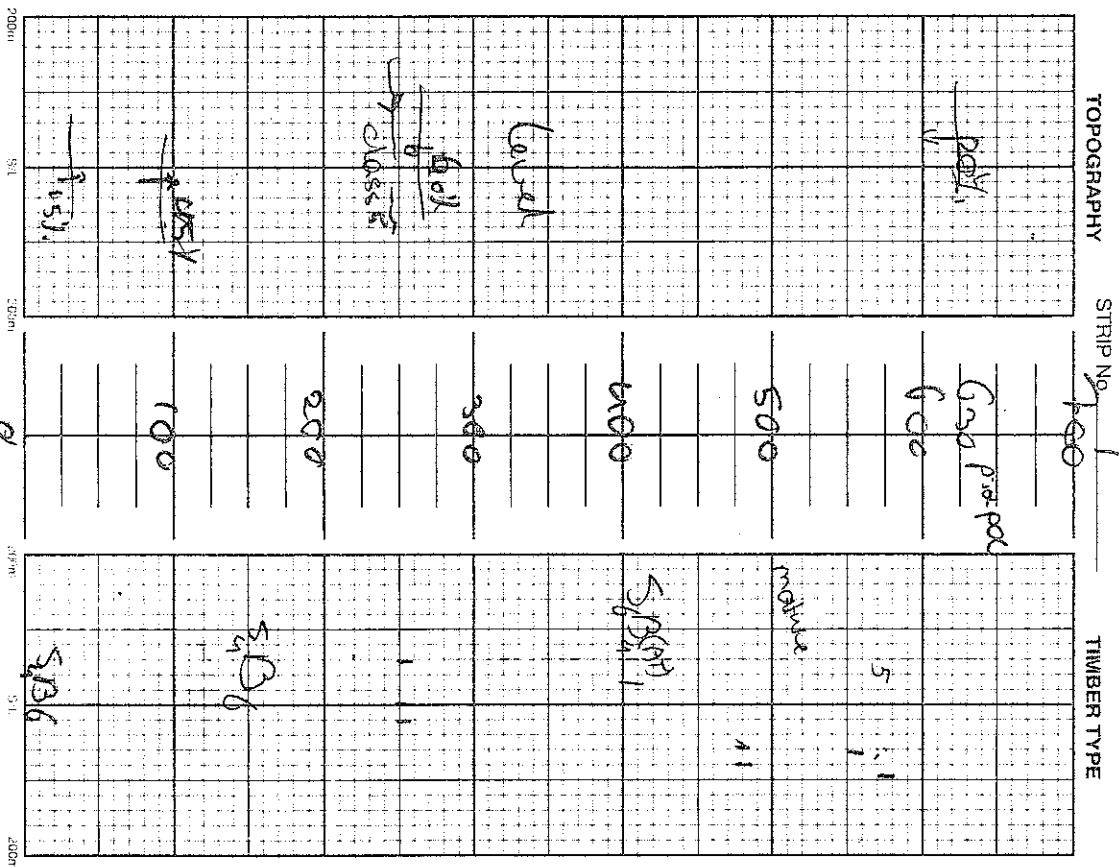
LOCATION		482893-6114170		ELEVATION	1	LATITUDE	1	PAGE	1
BEARING	276	STRIP LINE NO	1	STRIP WIDTH	10m	DISTANCE	100m	BEETLE SPECIES	☒ SB ☐ MPB ☐ DFB
DIAMETER CLASS	12.5 - 17.4	SURFACE AREA FACTOR	2.0	NUMBER OF HEALTHY HOSTS	1	BARK BEETLE CODE BY YEAR OF ATTACK	1	OTHER TREE SPECIES	B
17.5 - 25.0	3.3				2	2	3	4	5
25.1 - 30.0	5.3				3	3	3	3	3
30.1 - 35.0	7.1				4	4	4	4	4
35.1 - 40.0	9.4				5	5	5	5	5
40.1 - 45.0	11.6				6	6	6	6	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		
							Attached	Unattached	
COMMENTS		Bark sample tree							
CREW NAMES		Mariska Vander Grop							
DATE		15 11 18							

FS 1111A RP6 00-02 7530881049 (100bnd)



BEE TLE PROBE CARD

LOCATION		ELEVATION		LATITUDE		PAGE					
483521-6114265						OF					
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES							
175	5	10m	100m	☒ SB	☐ MPB	☐ DFB					
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	MAIN	OTHER	
12.5 - 17.4	2.0										
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 PATENT ADULTS	NO LARVAE	NO PUPAE	NO CALLOW ADULTS	FRESH (GREEN) BLOWDOWN					
						Attacked	Unattacked				
—	—	—	—	—	—						
—	—	—	—	—	—						
COMMENTS: No attacked trees											
CREW NAMES: Mariska van der Grint											
DATE: 15/11/18						PAGE: 1					



STAMP NO.: 1
DIRECTION: 276
START STRIP: 483528-6114092
JOB NO.: F416PMK006
DATE: NOV 18
CREW: Monda van der Strip
REMARKS:

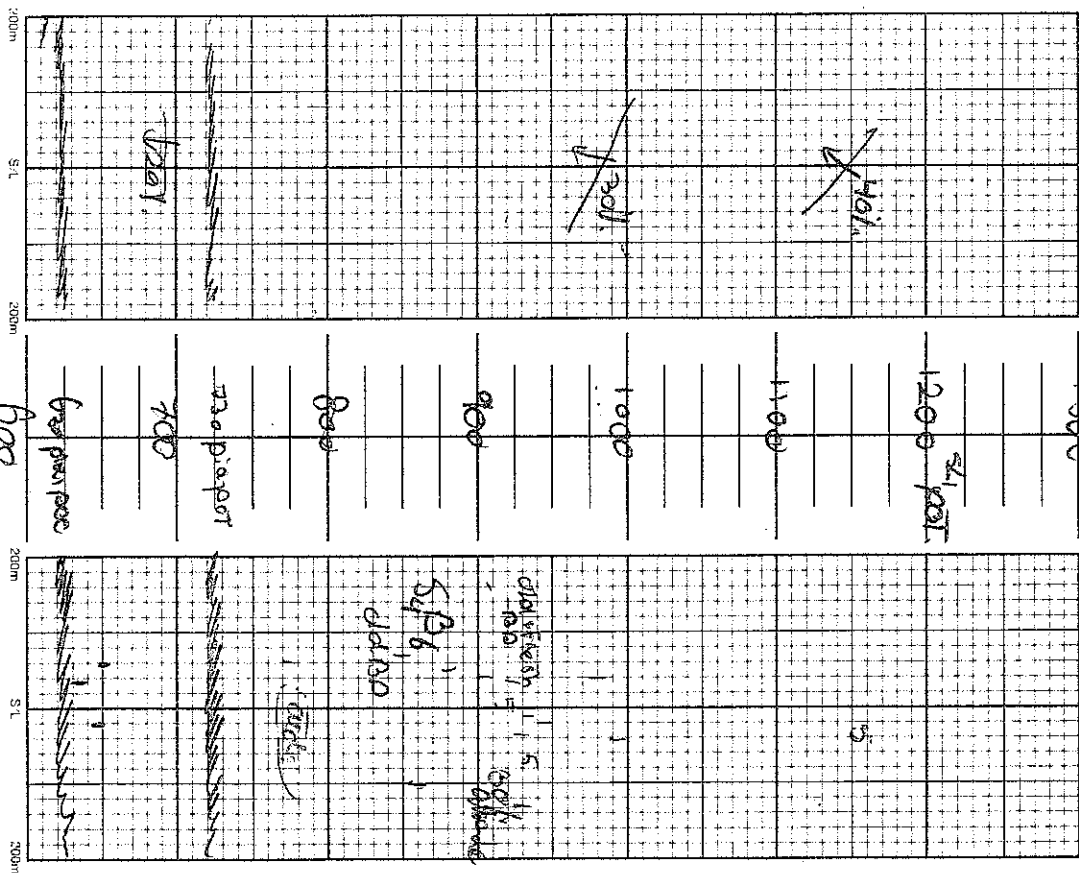


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TOPOGRAPHY

STRIP NO. 1

TIMBER TYPE



STRIP NO.: 1
 START STRIP: cont'd
 JOB NO.: F416mk006 DATE: Nov 18 2015
 CREW: Moisika van der Strop
 REMARKS:

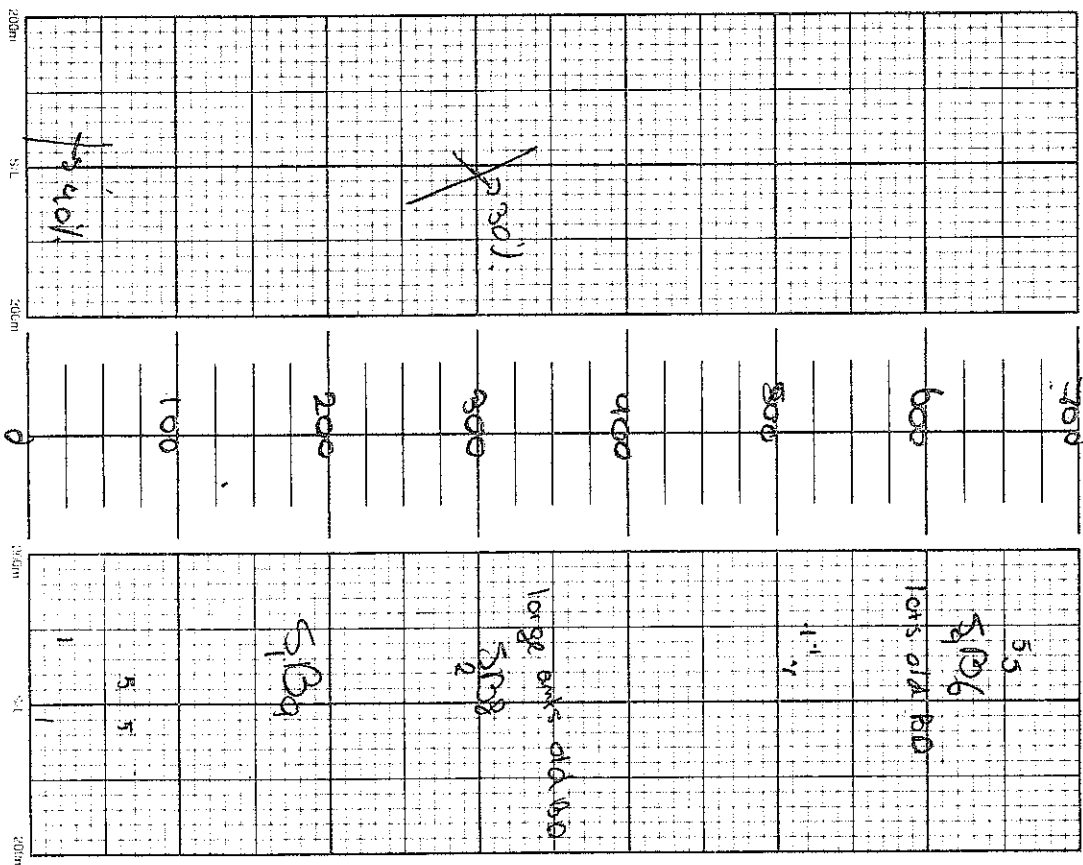


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TOPOGRAPHY

STRIP NO. 2

TIMBER TYPE

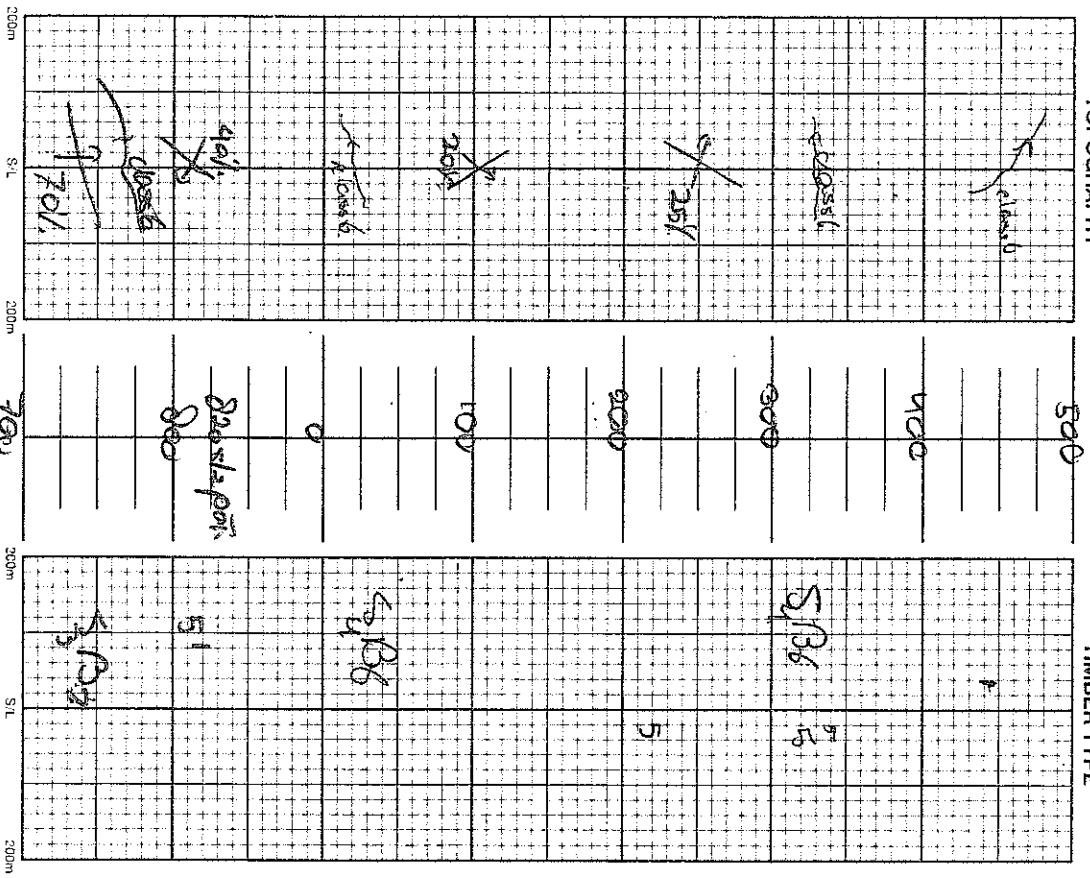


STRIP NO.: 2
 START STRIP: 482200-6114233
 JOB NO.: F416mk006 DATE: Nov 18 2015
 CREW: Moisika vander Strop
 REMARKS:



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TIMBER TYPE

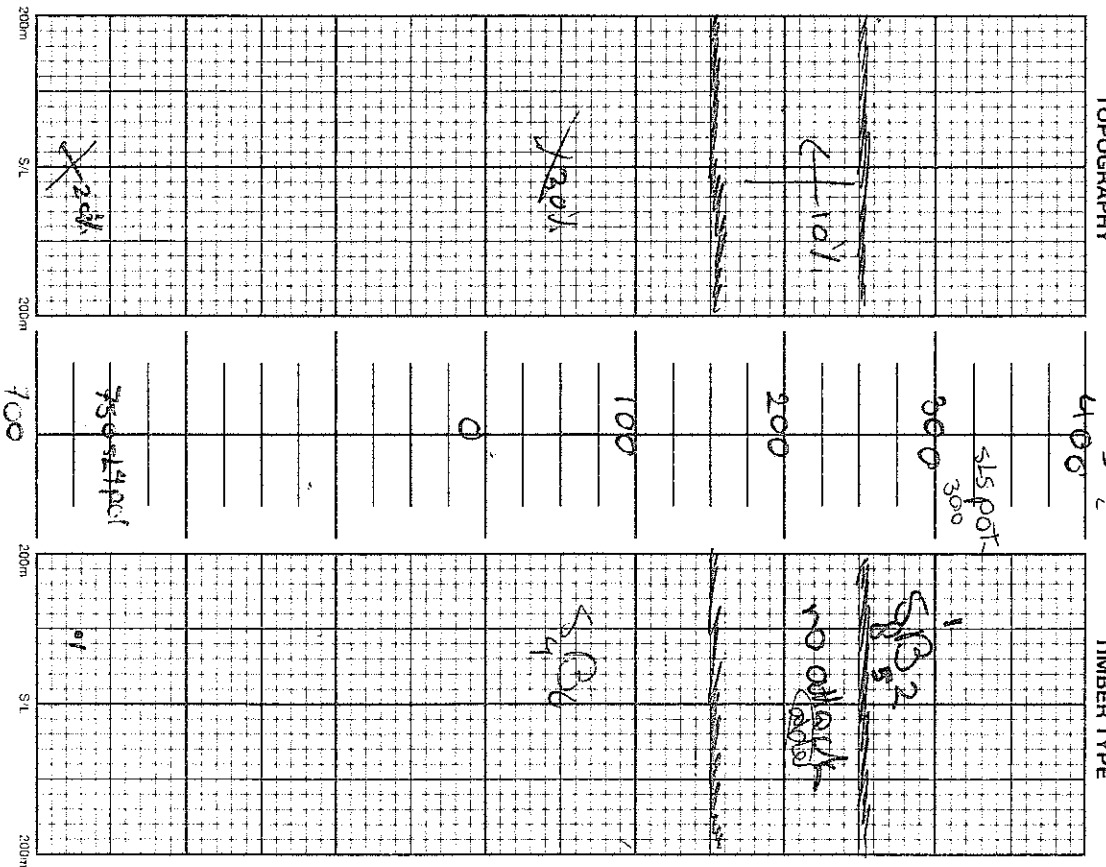


STRIP NO.: 243 DIRECTION: 174° (3)
START STRIP: 482720-6114952
JOB NO.: F416 DMK006 DATE: Nov 18
CREW: Mouliska van der Sand
REMARKS:



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STRIIP NO.: 5
DIRECTION: 175
START STRIP: 782509 - 611427
JOB NO.: 5H16bnk006 DATE: NOV 18 2015
CREW: Wersma van der Star
REMARKS:

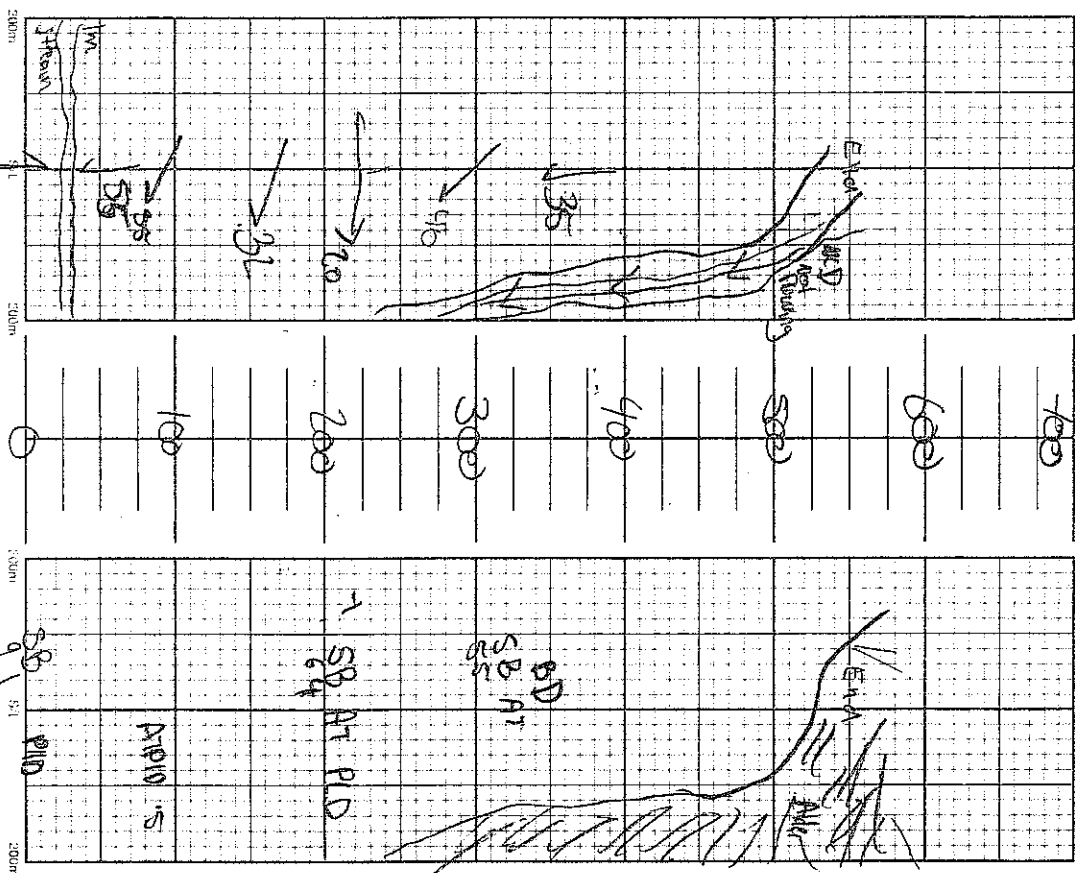


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TOPOGRAPHY

STRIP No. 1C1

TIMBER TYPE

STRIP NO. 1C1DIRECTION: 136°START STRIP: 0480504 - 6114930JOB NO.: DMK006DATE: 16/11/2015CREW: James Cordens

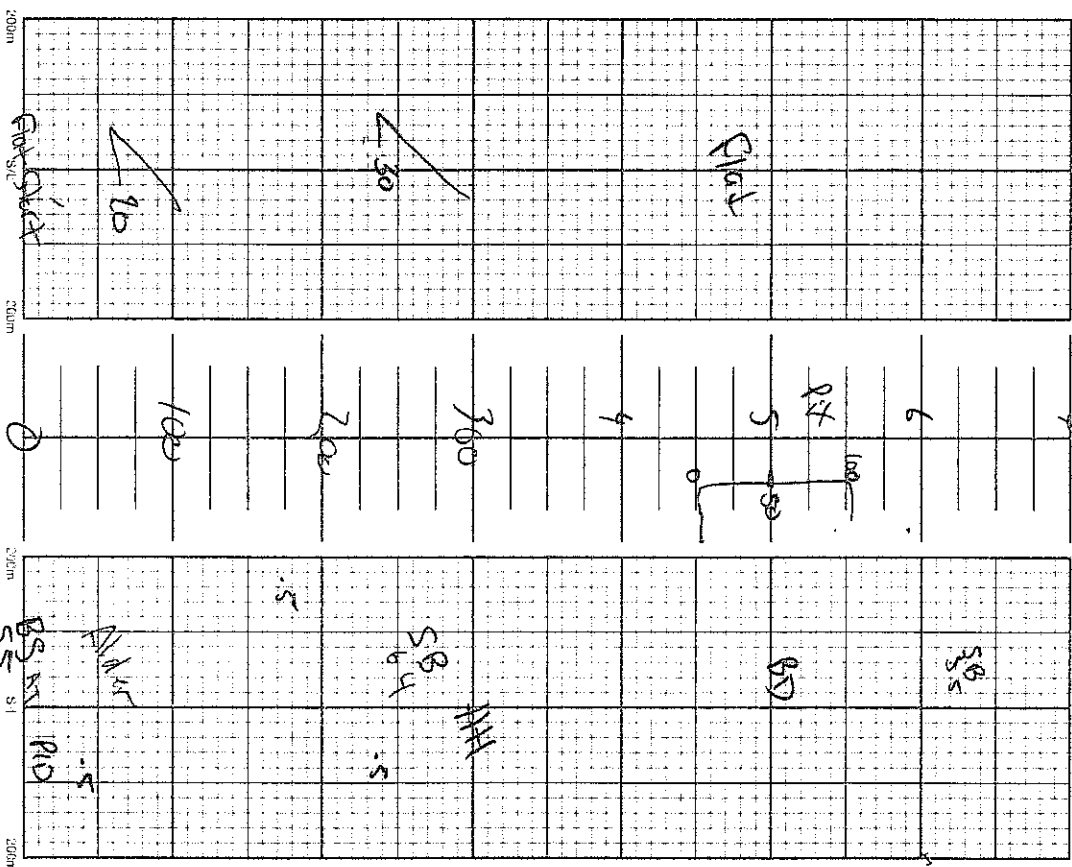
REMARKS:

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TOPOGRAPHY

STRIP No. 1C2

TIMBER TYPE

STRIP NO. 1C2DIRECTION: 224°START STRIP: 0518257, 6114049

JOB NO.:

DATE:

CREW:

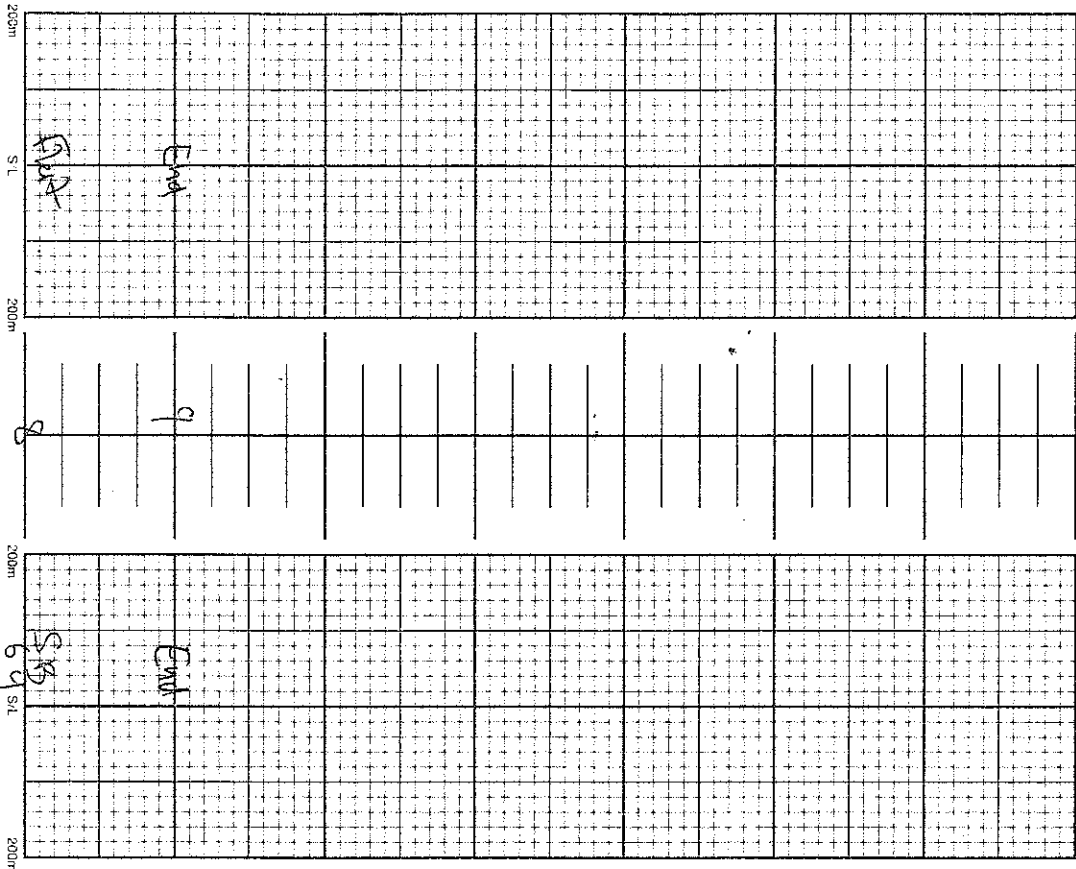
REMARKS:

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TOPOGRAPHY

STRIP No. 562

TIMBER TYPE



STRIP NO.:

START STRIP:

JOB NO.:

CREW:

REMARKS:

DIRECTION:

DATE:

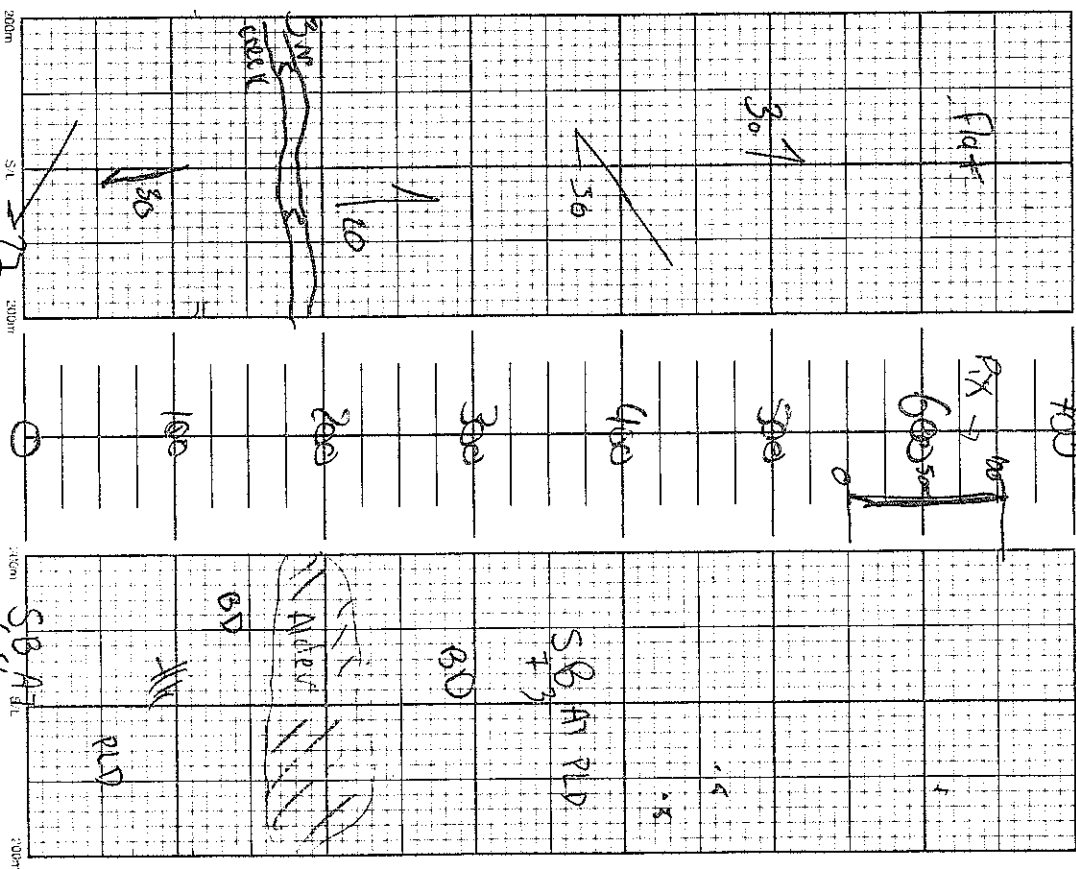


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TOPOGRAPHY

STRIP No. 561

TIMBER TYPE



STRIP NO.:

START STRIP: 6483411

JOB NO.:

CREW: J.R. Supplies

REMARKS:

DIRECTION:

DATE: 18/11/2011



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701

3

APPENDIX

3m creek

35

400

15

3m creek

NUMBER TYPE

NUMBER	TYPE
7	A1
6	A1
5	A1
4	A1
3	A1
2	A1
1	A1

100m

200m

DIRECTION: _____

DATE: _____

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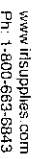
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TIMBER TYPE

STRIP NO.: _____ **DIRECTION:** _____
START STRIP: _____
JOB NO.: _____ **DATE:** _____
CREW: _____
REMARKS: _____

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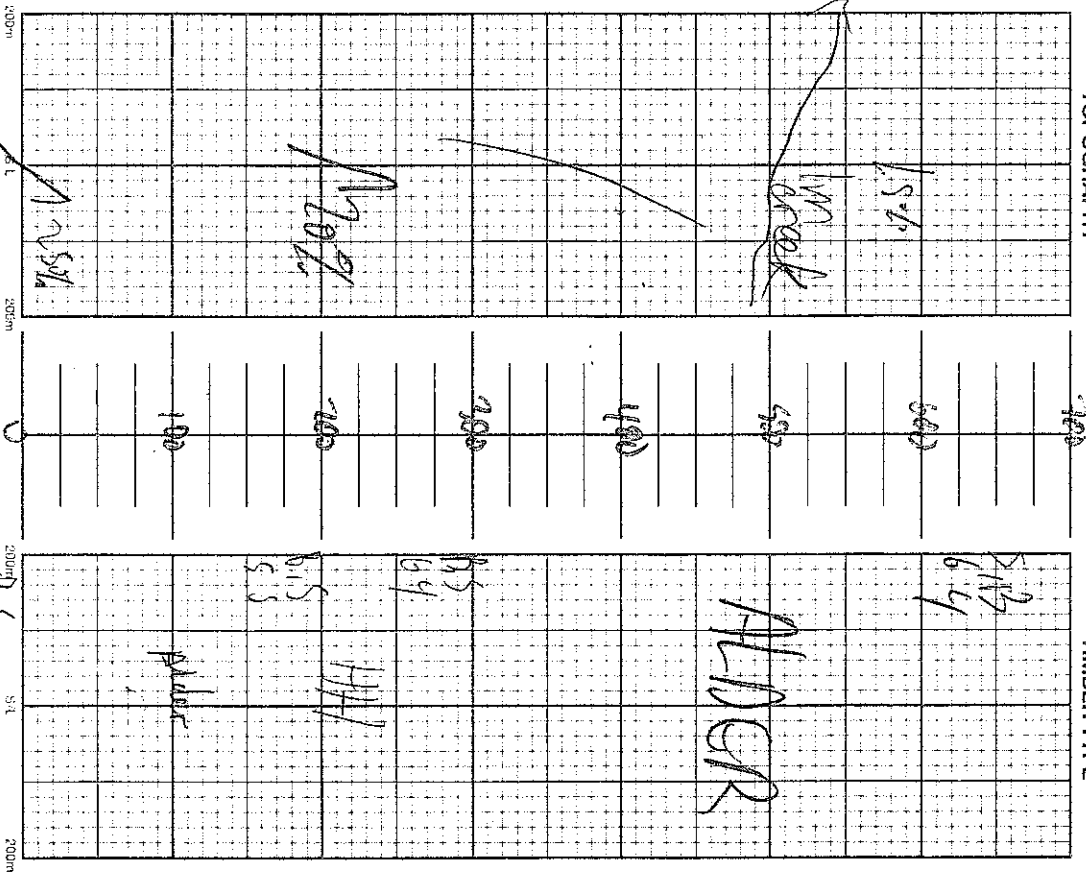


FIS 375 VAL 88:07

TIMBER TYPE

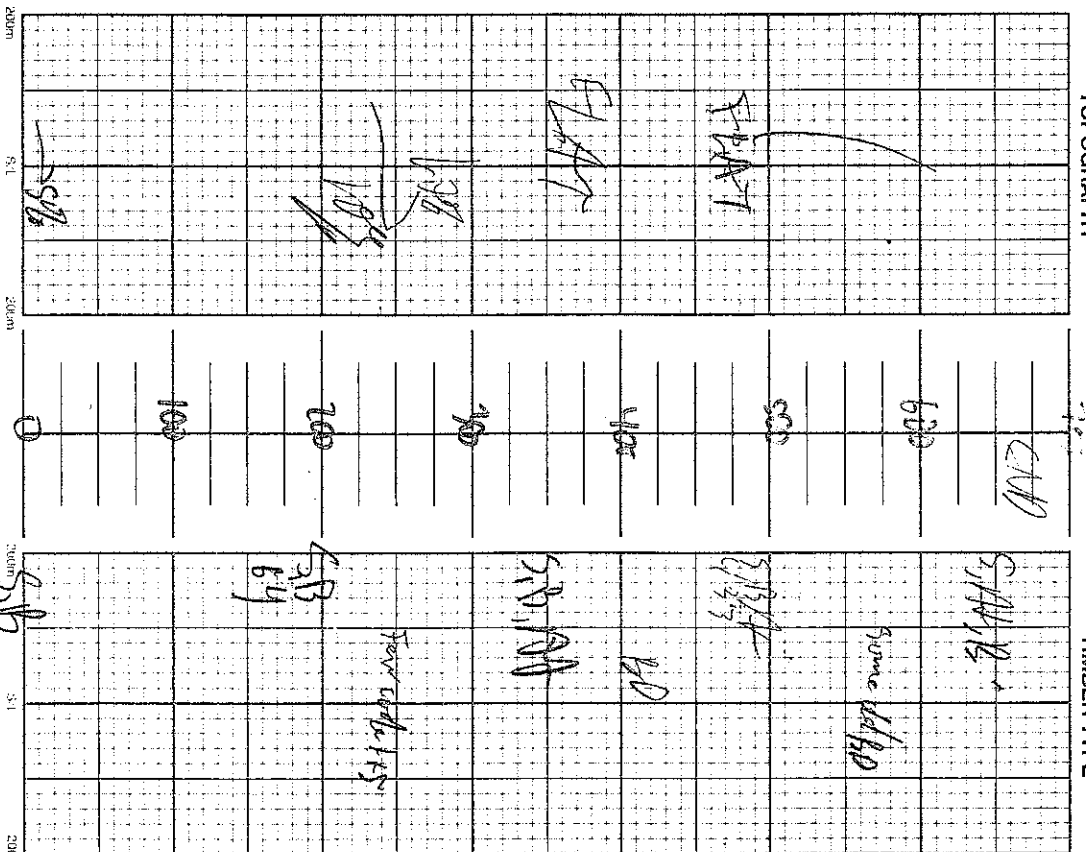
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DIRECTION	836	START OF STRIP	0482218-6115874
JOB NO.		DATE	
CREW			
REMARKS			

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512

TIMBER TYPE

STRIP NO.:
START STRIP:
JOB NO.:
CREW:
REMARKS:

DATE:

DIRECTION:



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STRIP No.

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The image shows a topographic map of a forested area. The map is divided into two main sections by a vertical line. The left section is labeled 'TOPOGRAPHY' and the right section is labeled 'TIMBER TYPE'. Both sections are covered by a grid of 200m by 200m squares. The topography section shows contour lines and a stream. The timber type section shows a grid of squares, some of which are shaded. The stream is labeled 'S.L.' and the timber type is labeled 'S/L'. The map is oriented with North at the top.

STRIP NO.:
START STRIP:
JOB NO.:
CREW:
REMARKS:

~~DATE:~~

DIRECTIONS

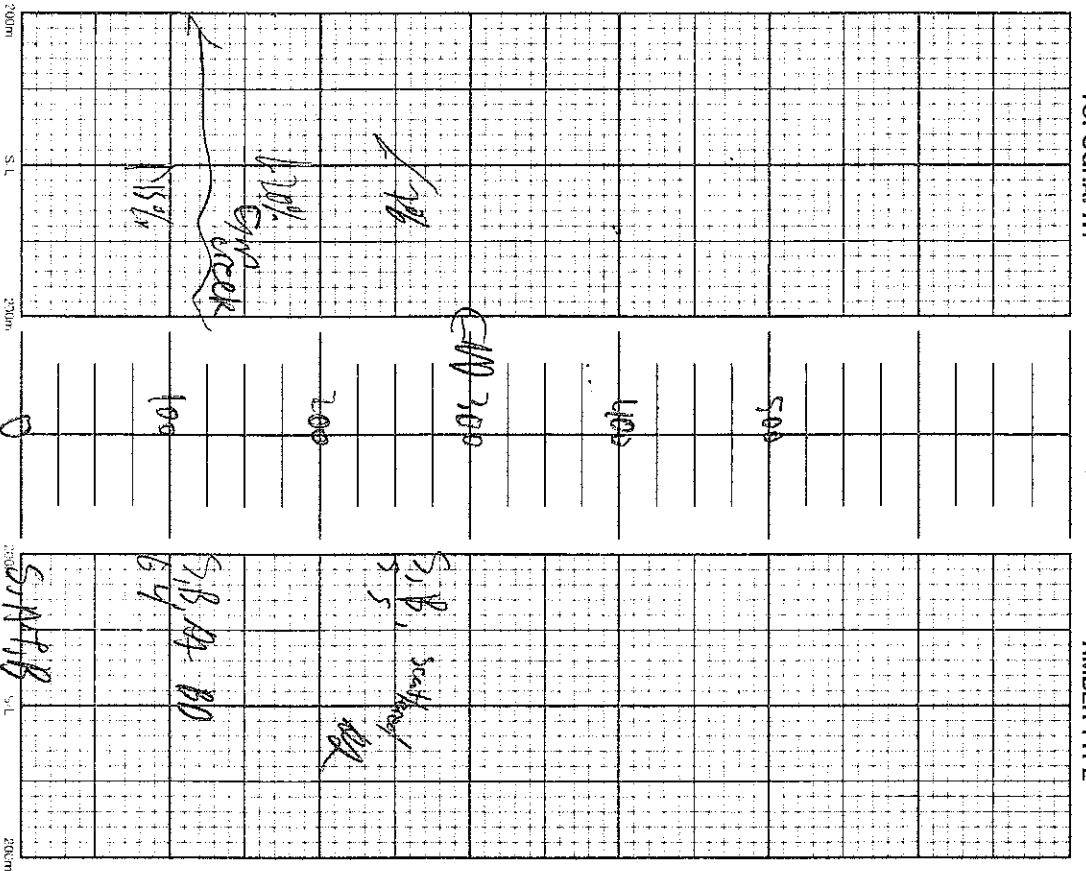


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TOPOGRAPHY

STRIP No. 273

TIMBER TYPE



STRIP NO: 273

DIRECTION: 294°

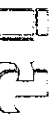
START STRIP:

JOB NO: 211006

DATE: Nov. 18th 2015

CREW: Simon Ivisthe

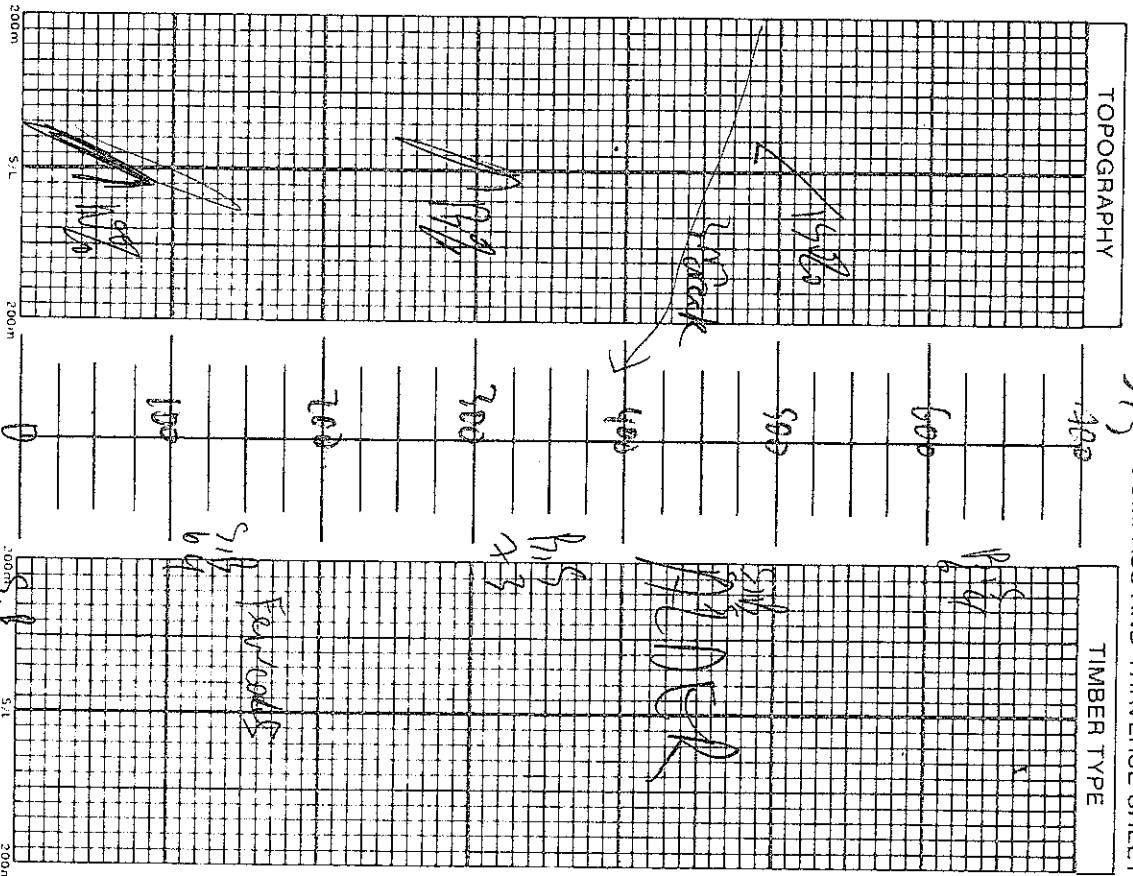
REMARKS:



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MINI-MINI OF FORESTS

273 COMPASS AND INVERSE SHEET



STRIP NO: 273

DIRECTION: 294°

START STRIP:

JOB NO: 211006

DATE: Nov. 18th 2015

CREW: Simon Ivisthe

REMARKS:

FS-375 VAL 8807

TOPOGRAPHY

STRIP No. 514

TIMBER TYPE

200m	S-L	200m	200m

STRIP NO.: _____ DIRECTION: _____
 START STRIP: _____
 JOB NO.: _____ DATE: _____
 CREW: _____
 REMARKS: _____