Spruce Bark Beetle Report 2015 Fall

2015-PHI-031

ADMINISTRATION

Polygon: PHI031 **Hectares**: 108.29 **Exact Location**: 7.5km Scovil M/L

Walkthrough: 5500m **Number of Probe Pixels**: 3 **Date**: 2015.11.5 **Crew**: S. Turcotte, J. Cousens, M. Vanderstap

STAND INFORMATION

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

The site is located immediately adjacent to and south of the Scovil M/L at approximately 7.5km. it is surrounded almost exclusively by older cutblocks and it appears that this polygon itself may have a proposal within it, though the map doesn't show it, there is new ribbon for road and boundary. The slope within the unit is around 25% though there are definitely flatter areas and some steeper. While there are pockets of alder and wetter openings, the predominant species in the composition is mature spruce. Balsam fir, aspen and dead pine can be found throughout. Blowdown is low generally, can be high along cutblock edges.

Stand Susceptibility: Moderate **Access**: 4WD, walk

Other Considerations or Limiting Factors: may be difficult to access due to slope

SUMMARY OF CURRENT INFESTATION:

Attack in this stand is currently light and scattered. The potential for spread here is good given the abundance of spruce of large diameter.

Volume Healthy	*Volume Year One Attack*	*Volume Year Two Attack*		*Volume Old Attack*	
897.2	121.5	0		130.2	
Bark Sample Data	***Entrance Holes***	***Adults***	***Larvae***	***Pupae***	***Young Adults***
(combined)	12	16	41	0	0

PH: 031

BRITISH COLUMBIA

BEETLE PROBE CARD

LOCATION	ELEVATION	LATITUDE	PAGE	OF
0482015 - 6117839	/	/	1	1

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
327°	JC4	10m	100m	[X] SB [ ] MPB [ ] DFB

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK 1	2	3	4	5	6	OTHER TREE SPECIES MAIN B	MAIN AT	OTHER Bitten	OTHER DB
~~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	26	~~IIII~~	~~IIII~~	0	0		
S	21	~~IIII~~	~~IIII~~	0	0		

COMMENTS [o] = bark sample tree.

CREW NAMES	DATE Y	M	D
James Cousins	15	11	05

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

BRITISH COLUMBIA

BEETLE PROBE CARD

LOCATION	ELEVATION	LATITUDE	PAGE	OF
0481389, 6117418	/	/	1	1

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
224°	ST3	10m	100m	[X] SB [ ] MPB [ ] DFB

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK 1	2	3	4	5	6	OTHER TREE SPECIES MAIN B	MAIN AT	OTHER Pl.	OTHER Pl.
~~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	0	5	0	0	N	A
S	2	0	0	0	0		

COMMENTS
⊙ Bark sample, Woodpeckers in area
Good amount of beetle activity in area

CREW NAMES	DATE Y	M	D
S. Turnbull	15	11	5

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

BRITISH COLUMBIA

BEETLE PROBE CARD

LOCATION 481734-6117725.	ELEVATION	LATITUDE	PAGE	OF

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
0°	3	10 m	100m	[X] SB [ ] MPB [ ] DFB

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK 1	2	3	4	5	6	OTHER TREE SPECIES MAIN	OTHER
									B Cottonw	
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	1	0	4	0	0		
S	2	0	7	0	0		

COMMENTS 1 x 17 cm pitch out
⊙ leaning
⊡ Bark sample

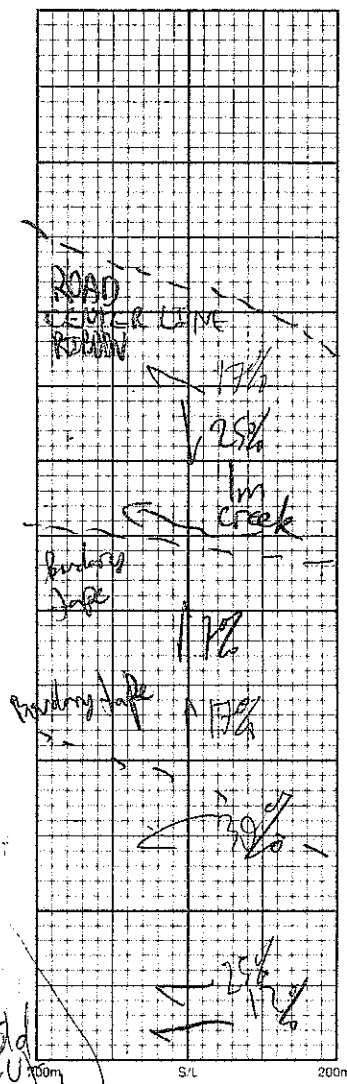
CREW NAMES Mariska van der Stap

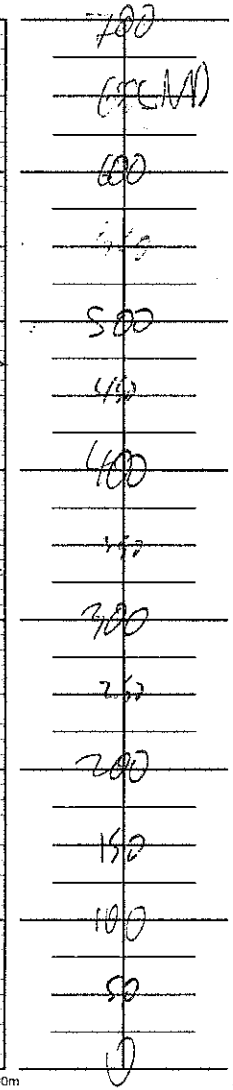
DATE Y 15 M 11 D 5

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

STRIP No. STI

TOPOGRAPHY





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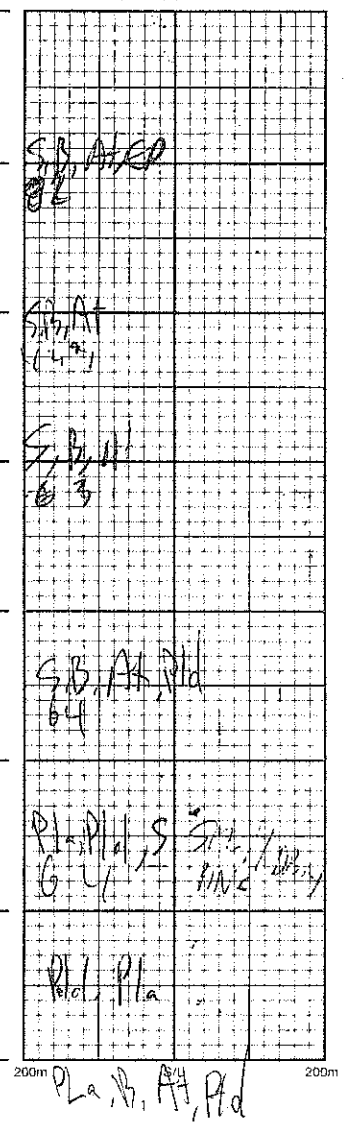

STRIP NO.: STI DIRECTION: 30°

START STRIP: 0480781 6116967

JOB NO.: DMK006PHJ031 DATE: NOV. 5th 2015

CREW: Simon Twaffe

REMARKS: Tons of small pine at ... Spruce at end. No beetle

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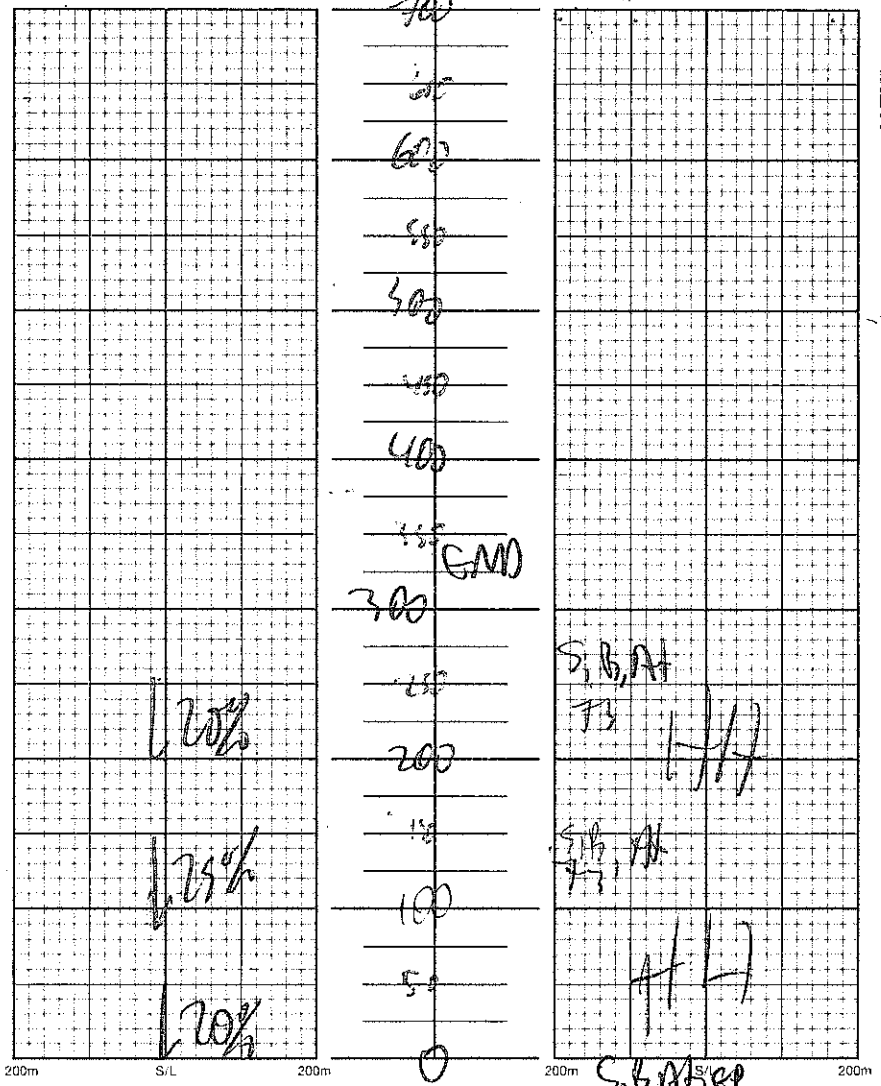


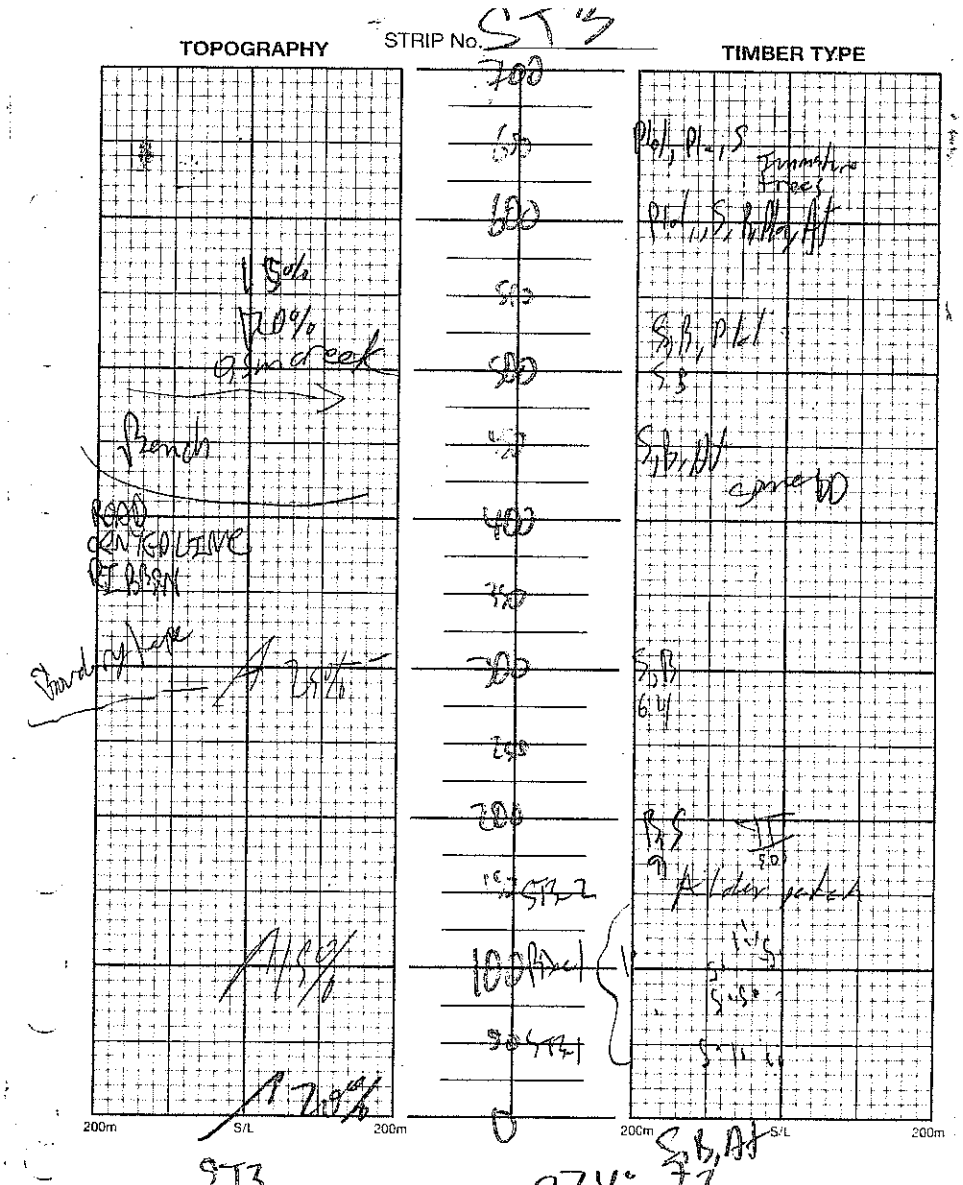
STRIP NO.: ST2 DIRECTION: 96°

START STRIP: 0481094, 6117504

JOB NO.: DMK06 PHI031 DATE: NOV. 5th 2015

CREW: Simon Turcotte

REMARKS: NO Beetle. lots of HH



STRIP NO.: ST3 DIRECTION: 224°

START STRIP: 0481411 6117452

JOB NO.: DMK06 PHI031 DATE: NOV. 5th 2015

CREW: Simon Turcotte

REMARKS: Beetle at beginning.

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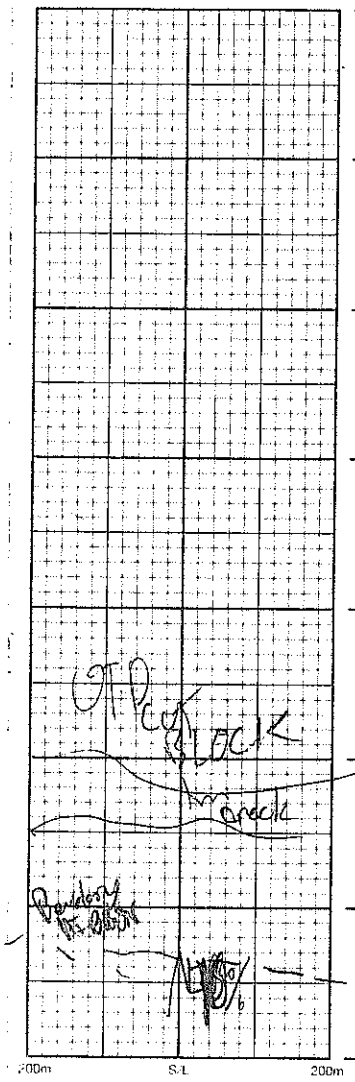
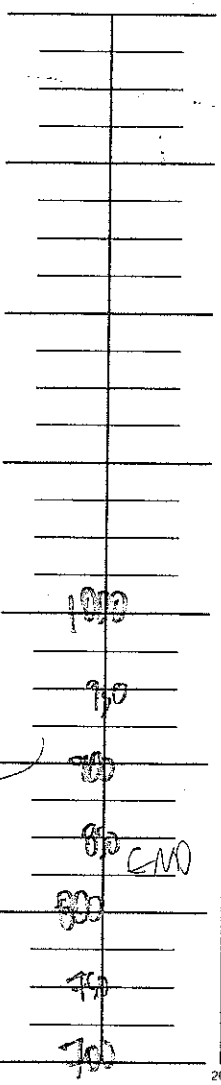
STRIP No. ST 5

TOPOGRAPHY





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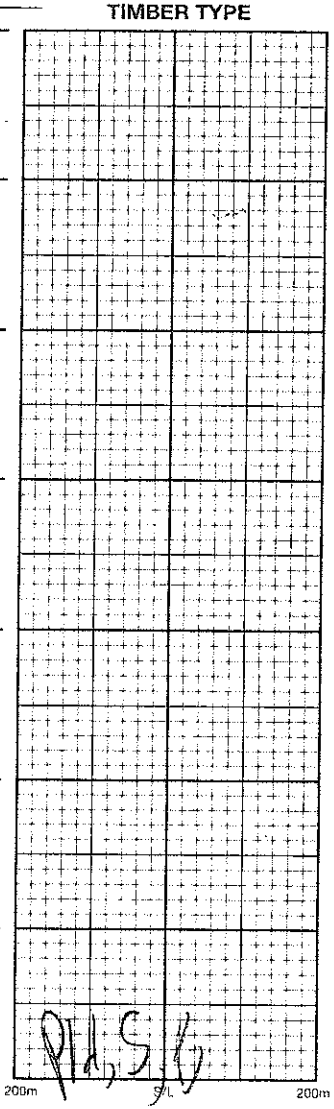

STRIP NO.: ..... **DIRECTION:** .....

START STRIP: .....

JOB NO.: ..... **DATE:** .....

CREW: .....

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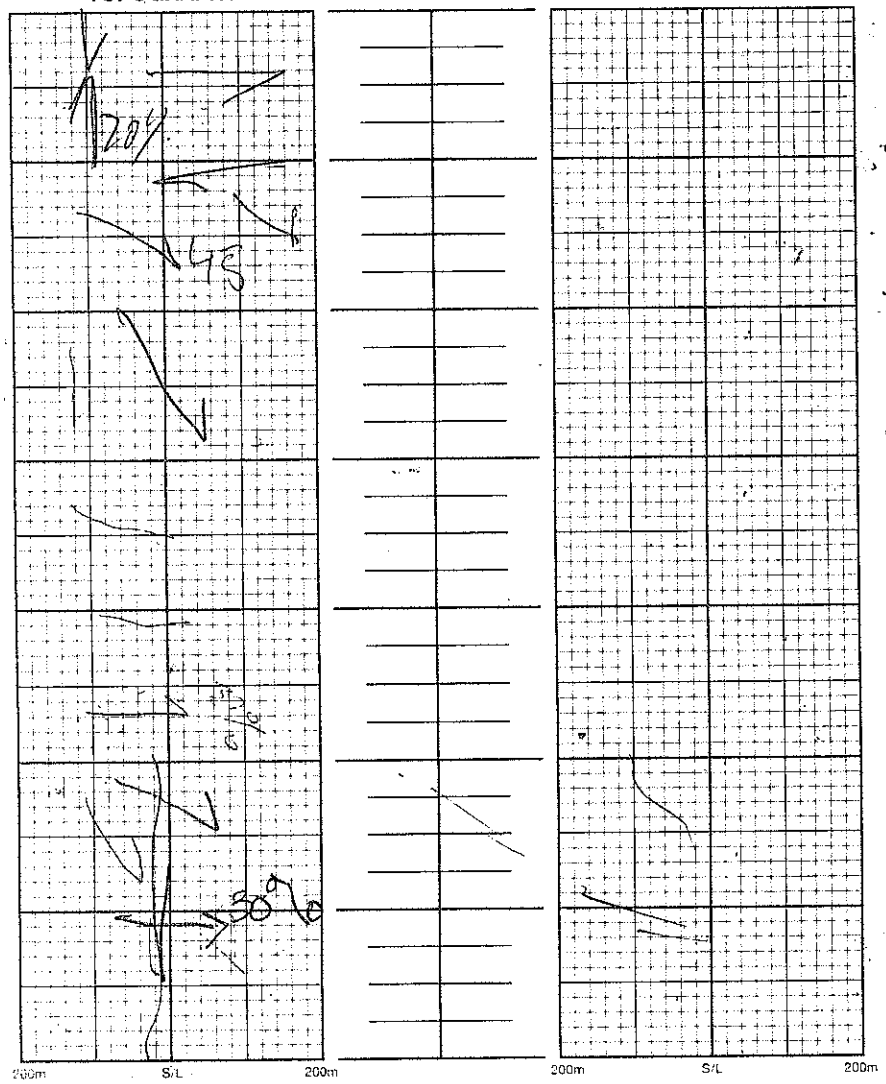
TOPOGRAPHY STRIP No. _____ TIMBER TYPE



STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

JOB NO.: _____ DATE: _____

CREW: _____

REMARKS: _____

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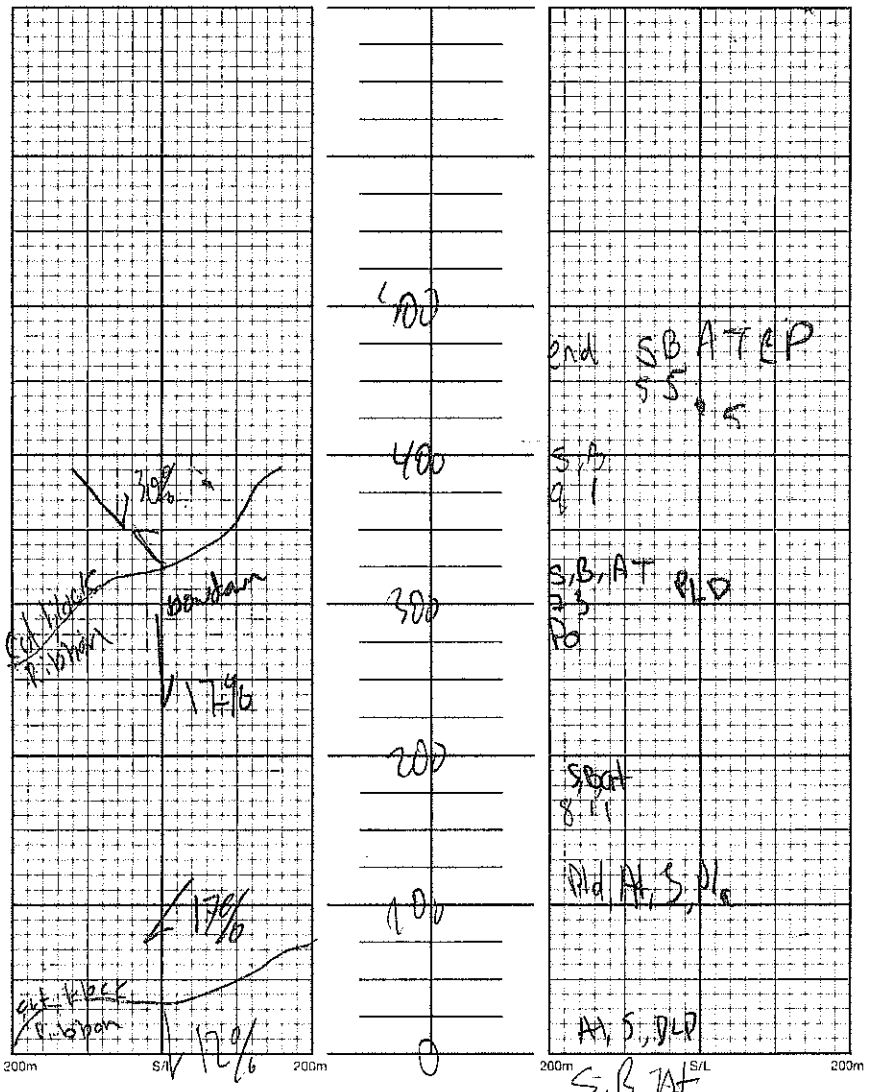
TOPOGRAPHY STRIP No. JC 1 PH: 051 TIMBER TYPE



STRIP NO.: JC1 DIRECTION: 128°

START STRIP: 0481740, 6182490

JOB NO.: DMK006 PH051 DATE: 11/04/2015

CREW: James - Simon

REMARKS: JC5 & JC6 very little B

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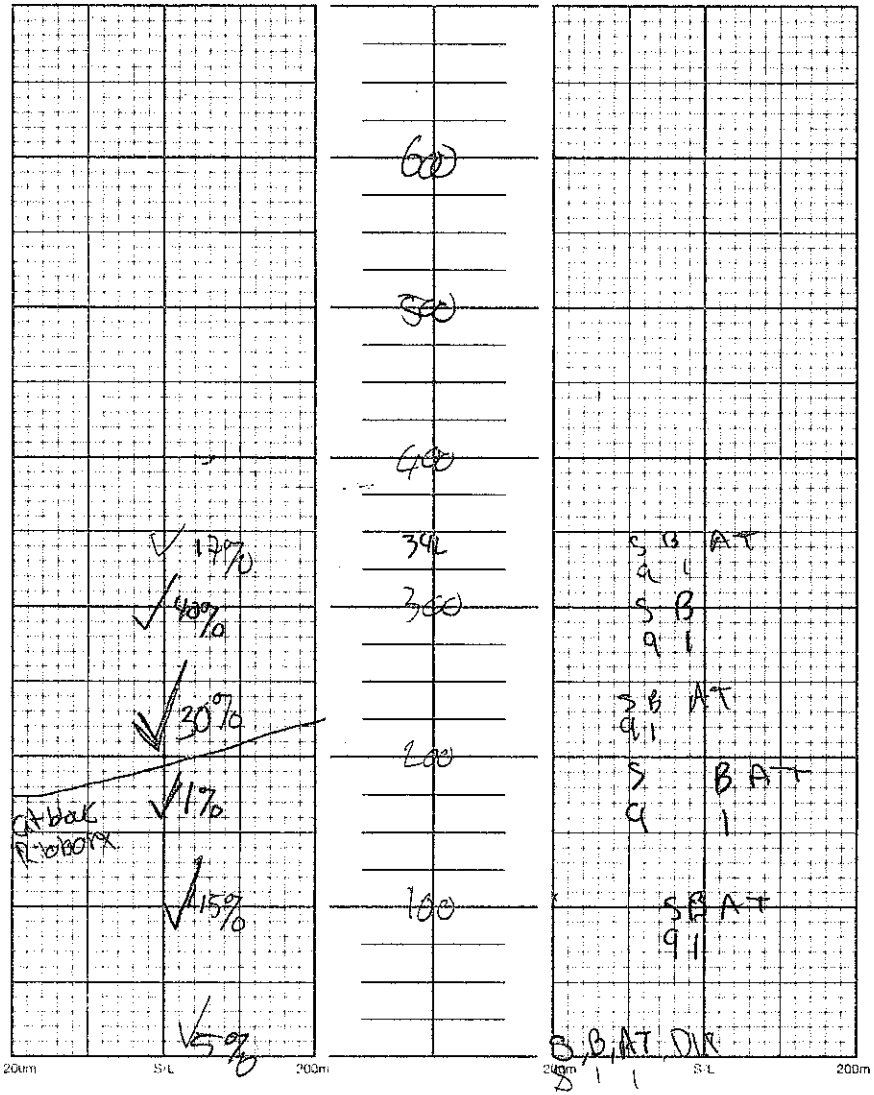
TOPOGRAPHY STRIP No. JC2 PH: 051 TIMBER TYPE



STRIP NO.: JC2 DIRECTION: 94°

START STRIP: 0482038 - 6117978

JOB NO.:

DATE: 11/05/2015

CREW: James

REMARKS:

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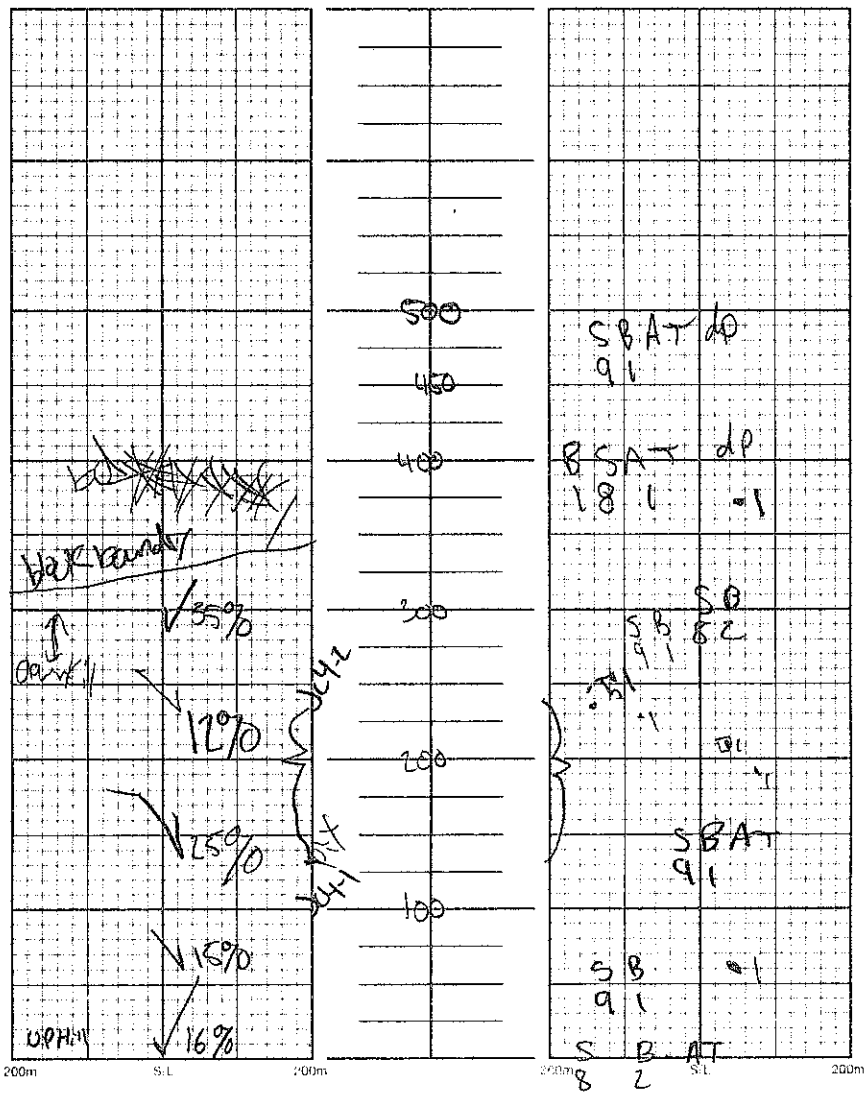
TOPOGRAPHY STRIP No. JC4 PH: 051 TIMBER TYPE



STRIP NO.: JC4 DIRECTION: 327°

START STRIP: 0482088 6117729

JOB NO.:

DATE: 05/11/2015

CREW:

REMARKS:

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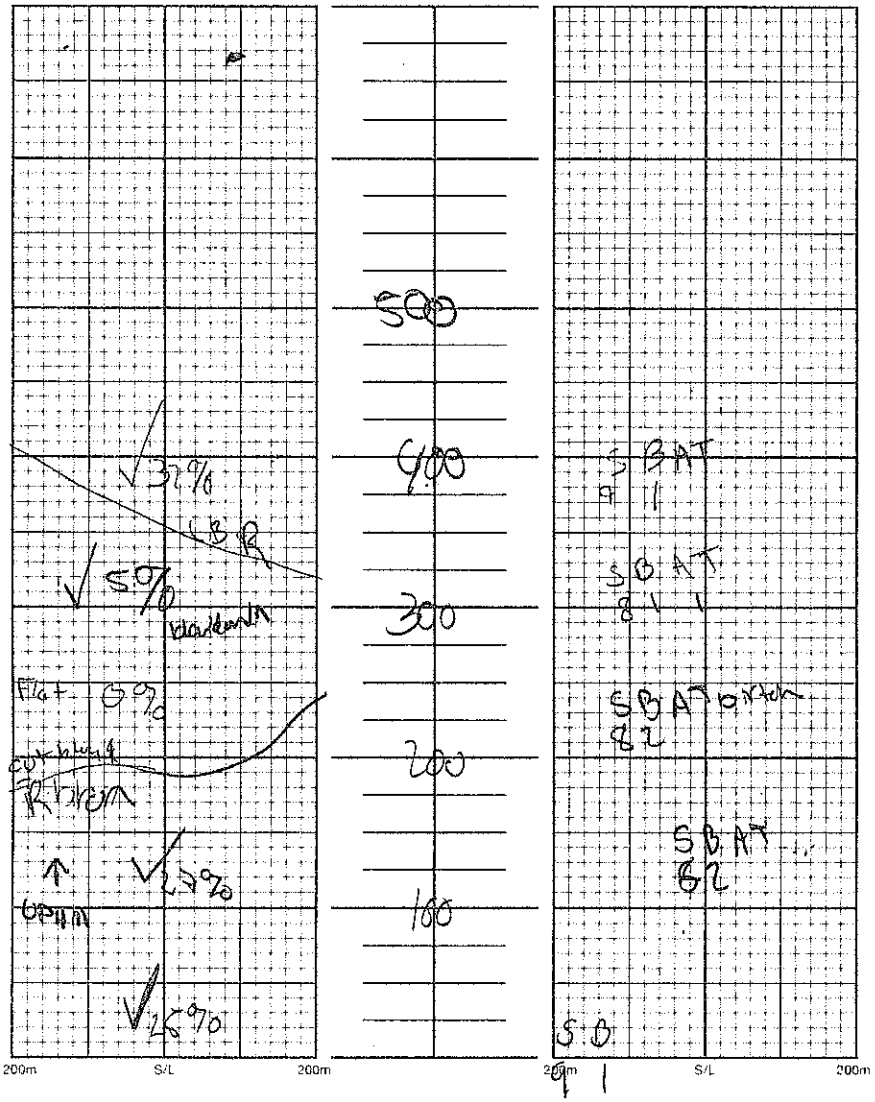
TOPOGRAPHY STRIP No. JC 3 TIMBER TYPE



STRIP NO.: JC 3 DIRECTION: 230°

START STRIP: 0482465 - 6117988

JOB NO.:

DATE: 05/11/2015

CREW: James

REMARKS:

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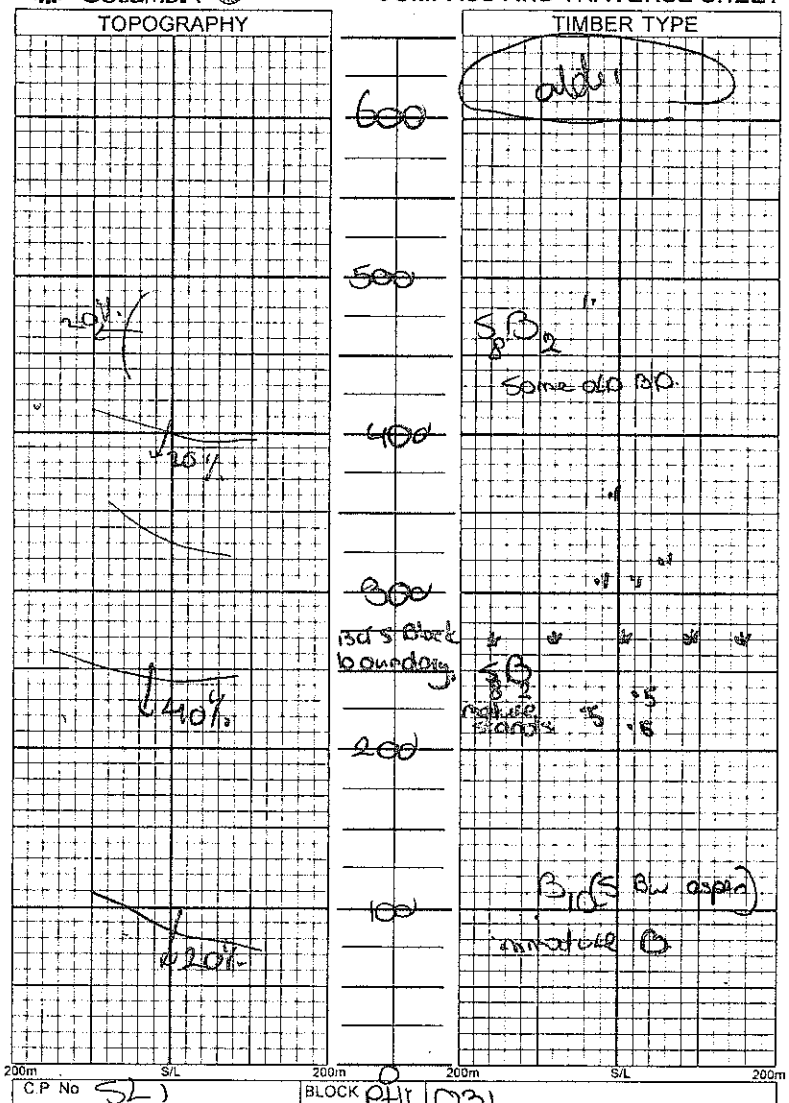
BRITISH COLUMBIA PHI 031

COMPASS AND TRAVERSE SHEET

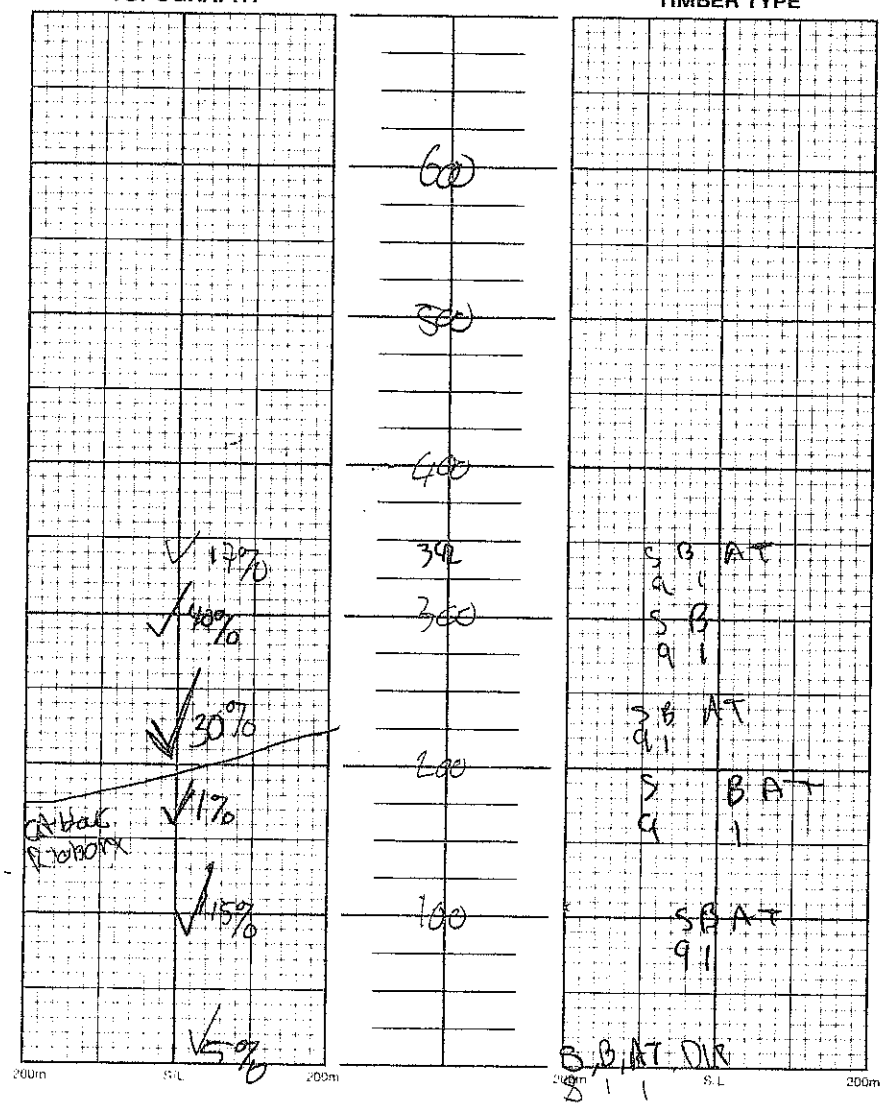
TOPOGRAPHY TIMBER TYPE



C.P No SL	BLOCK PHI	031	
DIRECTION 169°	START OF STRIP 48.801 - 611820		
JOB NO FH16 pmk006	DATE Nov 5 2015		
CREW Marieke van der Slap			
REMARKS			

FS 375 HFP 92/1 7530881021 (100/Blde)

STRIP No. JC2 PHi 031



STRIP NO.: JC2 DIRECTION: 94°

START STRIP: 0482038 – 6117978

JOB NO.: DATE: 11/05/2015

CREW: James

REMARKS:

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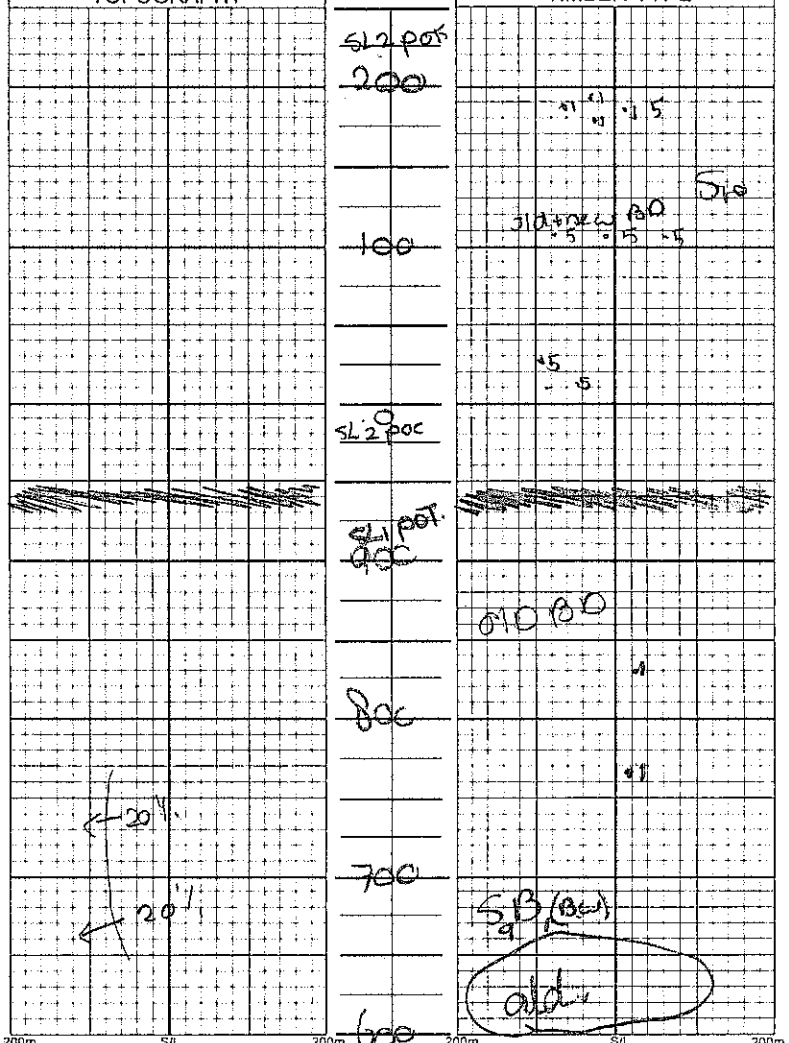
BRITISH COLUMBIA

COMPASS AND TRAVERSE SHEET

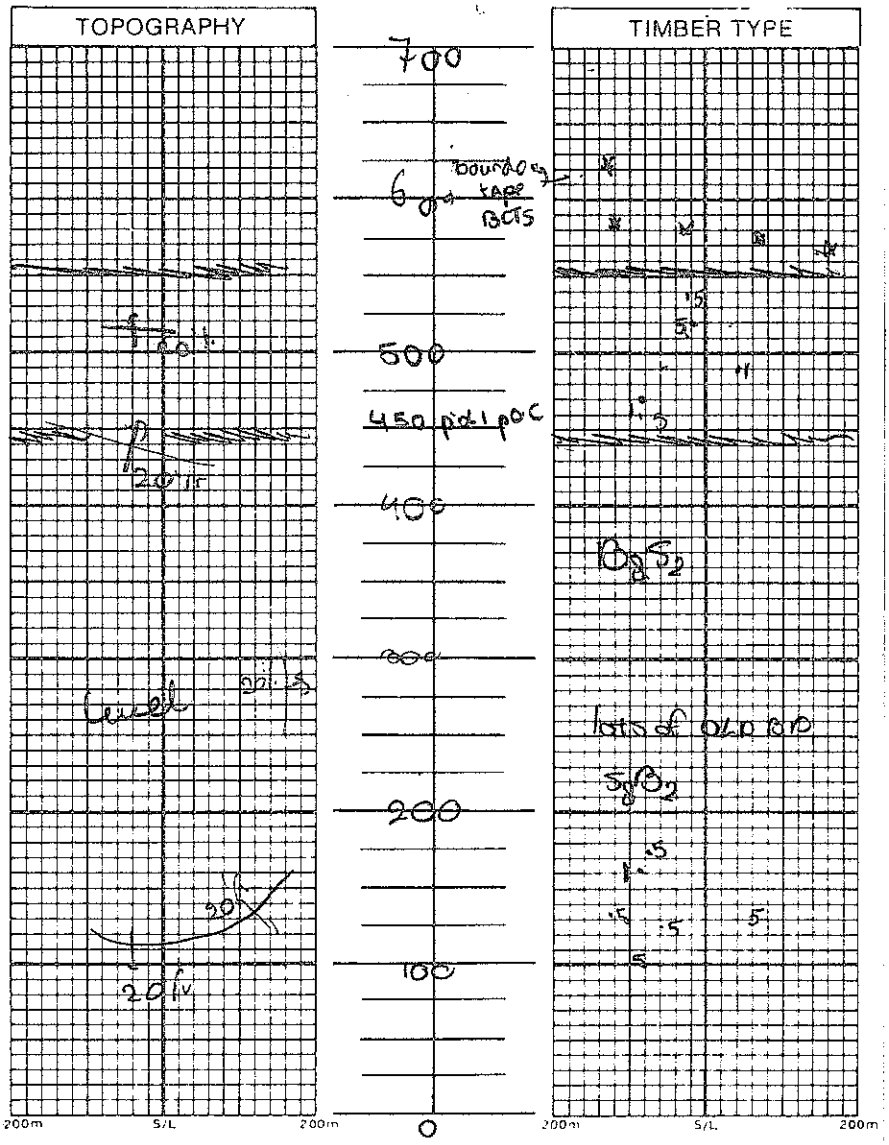


C P No	SL 1+2	BLOCK	PHi 031
DIRECTION	260°	START OF STRIP	481938-6117319
JOB NO	FH16 DMK006	DATE	Nov 5 2015
CREW	Mariska van der Stap		
REMARKS			

FS 375 HFP 92/1 7530881021

MINISTRY OF FORESTS

COMPASS AND TRAVERSE SHEET

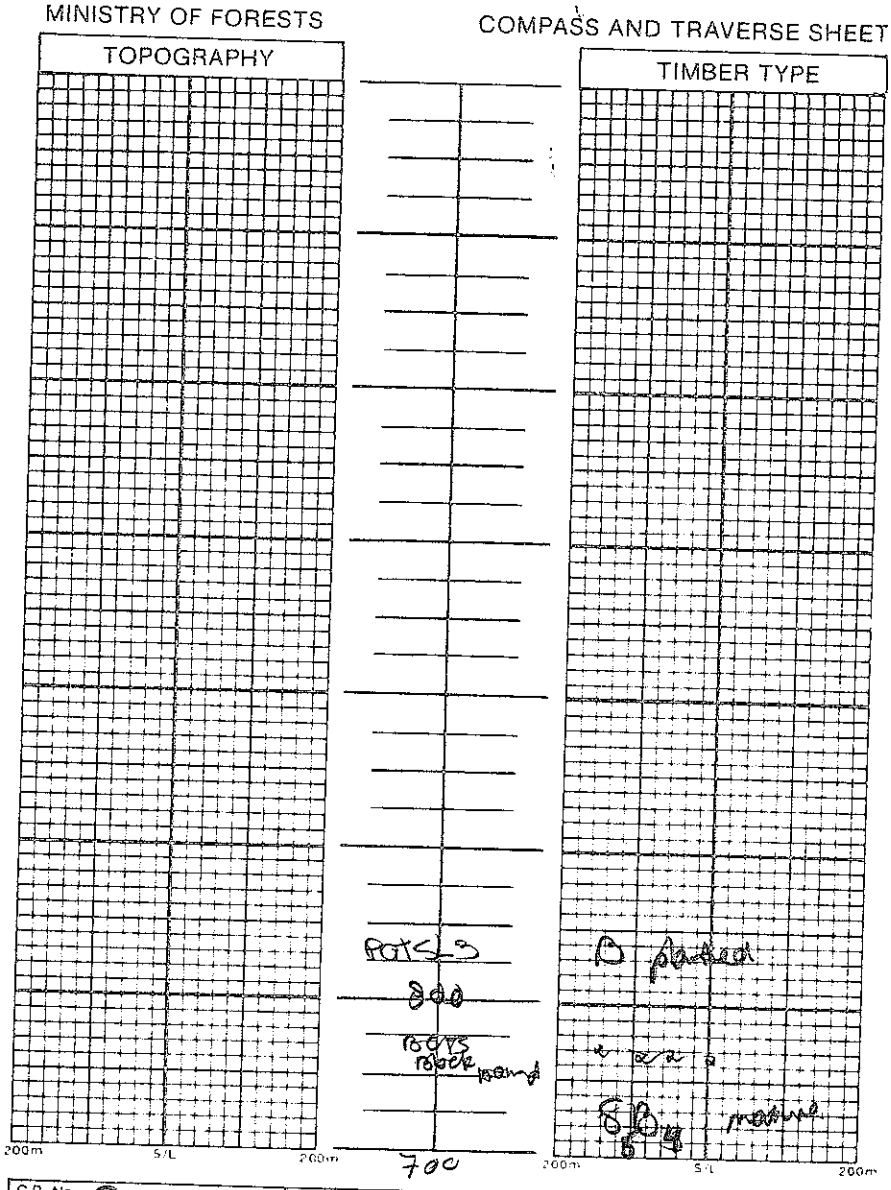


CP No SL 3	BLOCK PH1 03	1
DIRECTION 0°		START OF STRIP 481742 6117256
JOB NO FH16MK006		DATE Nov 5 2015
CREW Moiska van der Sap		
REMARKS		

FS 375 VAL 88/07

MINISTRY OF FORESTS

COMPASS AND TRAVERSE SHEET



C.P. No 3	BLOCK PHi 031
DIRECTION 0°	START OF STRIP cont'd.
JOB NO FH16DMK 006	DATE Nov 5 2015
CREW Mariska van der Stap	
REMARKS	

FS 375 VAL 85/07