Spruce Bark Beetle Report 2015 Fall

2015-PAR-011

ADMINISTRATION

Polygon: PAR011 **Hectares:** 245.91 **Exact Location**: on the Lamonti FSR at approx. 40km on the Parsnip West FSR

Walkthrough: 11605m **Number of Probe Pixels**: 5 **Date**: 2015.10.11-12 **Crew**: M. Vanderstap, D. Norwell, S. Turcotte

STAND INFORMATION

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

This site has a west aspect, on a slope ranging from 20-50%. The south end of this polygon has a significant amount of blowdown, generally light in the remainder of the unit. The species composition, varies slightly, but is generally 60% balsam fir and 40% spruce with birch mixed in places. There area alder swales scattered throughout as well as the occasional rock outcrop. Access through the block is poor. This polygon has old cutblocks on some of its boundaries but is usually surrounded by mature and immature timber.

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

Other Considerations or Limiting Factors: poor access, steep slopes and wet soils.

SUMMARY OF CURRENT INFESTATION:

Scattered heavy and light attack. Attack is usually concentrated in draws and in areas of blowdown. The spruce makes a up a small percentage of this stand but in some places all the susceptible spruce has been attacked. All populations are on a two year cycle.

Volume Healthy	***Volume Year One Attack***	***Volume Year Two Attack***		***Volume Old Attack***	
373.7	122.0	0		141.5	
Bark Sample Data	***Entrance Holes***	***Adults***	***Larvae***	***Pupae***	***Young Adults***
(combined)	24	13	38	1	2

BRITISH COLUMBIA — BEETLE PROBE CARD

LOCATION	ELEVATION	LATITUDE	PAGE	OF
04 771028/6162131	910m			

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
327°	DN01-1	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	OTHER
~~12.5 - 17.4~~	~~2.0~~								BALSM	
17.5 - 25.0	3.3									
25.1 - 30.0	5.3	PO								
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
S	+	PO	/	/	/		
N	5	5	12	/	/		

COMMENTS: Wood pecker (3-Toe) in pixel. Some C.1's outside of 10m Pixel width. SOME COTTON WOODS SCATTERED. LOTS OF SMALL BL. THROUGHOUT

CREW NAMES	DATE Y	M	D
DAVID NORWELL	2019	10	11

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

BRITISH COLUMBIA — BEETLE PROBE CARD

LOCATION	ELEVATION	LATITUDE	PAGE	OF
UTM 04 ~~7~~ 6785, 6161314	/	/	1	1

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
157°	ST1	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	OTHER
~~12.5 - 17.4~~	~~2.0~~								Bl At	Dd Pla
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/A			/		/	/ /	/
S A					/	/	/

COMMENTS: NO Beetle, very little [illegible]. ALOT of BD. Steep

CREW NAMES	DATE Y	M	D
Simon Turcotte	19	10	11

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

Mar 011

BRITISH COLUMBIA BEETLE PROBE CARD

LOCATION 477692/6161191 | ELEVATION | LATITUDE | PAGE | OF

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
326	MS 2	10m	100m	☒ 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 Bw	
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	1	0	0		
S	1	0	0	0	0		

COMMENTS main attack on S side of tree.
^ successfull

CREW NAMES Mariska van der Stap | DATE Y 15 M 10 D 11

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

Mar 11

BRITISH COLUMBIA BEETLE PROBE CARD

LOCATION 475515 -6163916 | ELEVATION | LATITUDE | PAGE | OF

BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES
150	MS	10m	100m	☒ 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 Bw	
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
North	2	1	0	0	0		
South	4	2	6	1	1		

COMMENTS sample tree 1 y1 cycle? still green
Fres boron dust, some blue stain, wood is moist
most attack >2 m high
large and large S blowdown.

CREW NAMES Mariska van der Stap | DATE Y 15 M 10 D 12

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

BRITISH COLUMBIA — SPRUCE BEETLE PROBE CARD

LOCATION		PAGE	OF
04 76529/6163540 ELV: 964m			
BEARING	**DISTANCE**	**STRIP WIDTH**	
37°	100m	10m	

DIAMETER CLASS	MEAN SURFACE AREA (m^2) PER DIAMETER CLASS	NUMBER OF HEALTHY SPRUCE	BARK BEETLE CODE BY YEAR OF ATTACK Yr 2011 / Yr 2010 / Yr [illegible] 1	2	3	4	5	6	OTHER TREE SPECIES
17.5-25.0	3.3								BL
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									

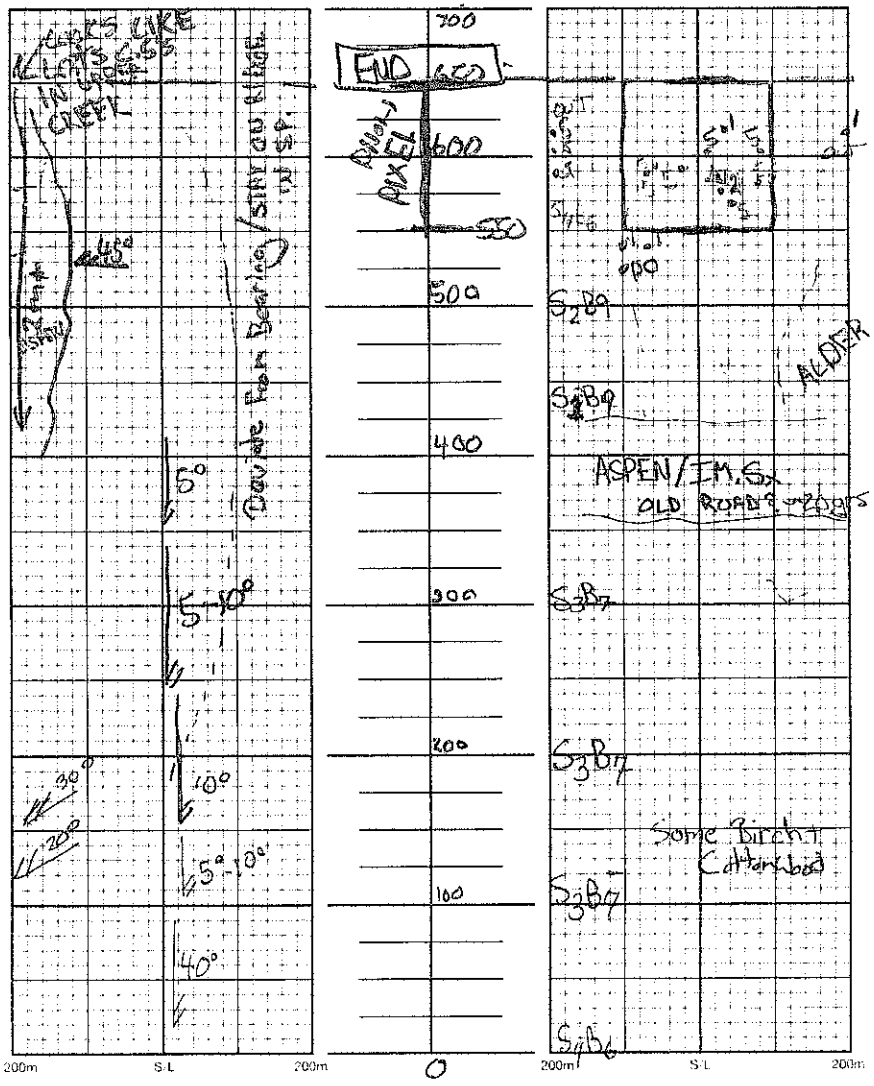
BARK SAMPLES 15 cm x 15 cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN Attacked Yr ___	Attacked Yr ___	Unattacked
N	3	2	13	1	1			
S	4	3	6	/	/			

COMMENTS
A couple beetles on 1-yr cycle.

CREW NAMES	DATE YYYY - MM - DD
DAVID NORWELL	2015 / 10 / 12

FS 1111 RPG 93/12

TOPOGRAPHY — STRIP No. DN01 — TIMBER TYPE



STRIP NO.: DN01 DIRECTION: 76° AT 650m
START STRIP: 04 7597 6/6163447
JOB NO.: PAR11 DATE: OCT 12'
CREW: DAVID NORWELL
REMARKS:

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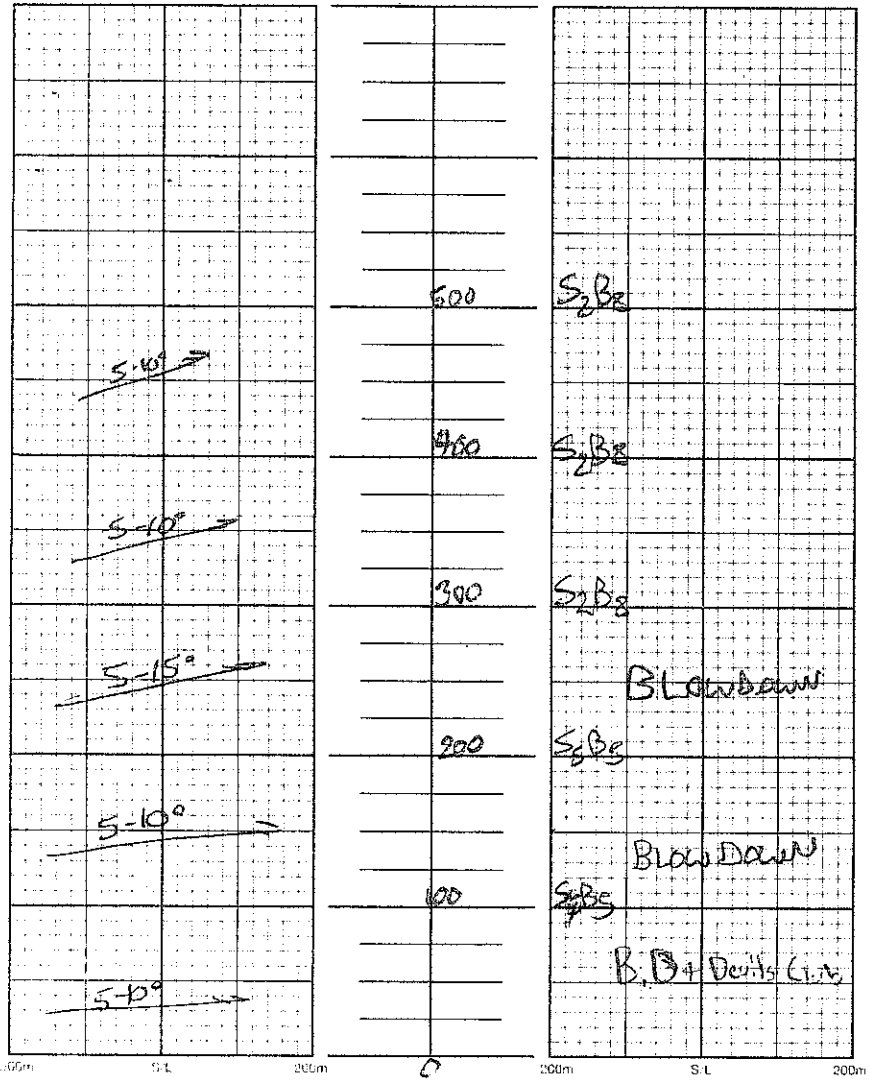
Ph. 1-800-663-6843

TOPOGRAPHY STRIP No. DN02 TIMBER TYPE



STRIP NO.: DN02 DIRECTION: 174° AT 500m

START STRIP: END DN01

JOB NO.: PAR11 DATE: OCT 12 2015

CREW: DAVID NORWELL

REMARKS: TOUGH WALKING

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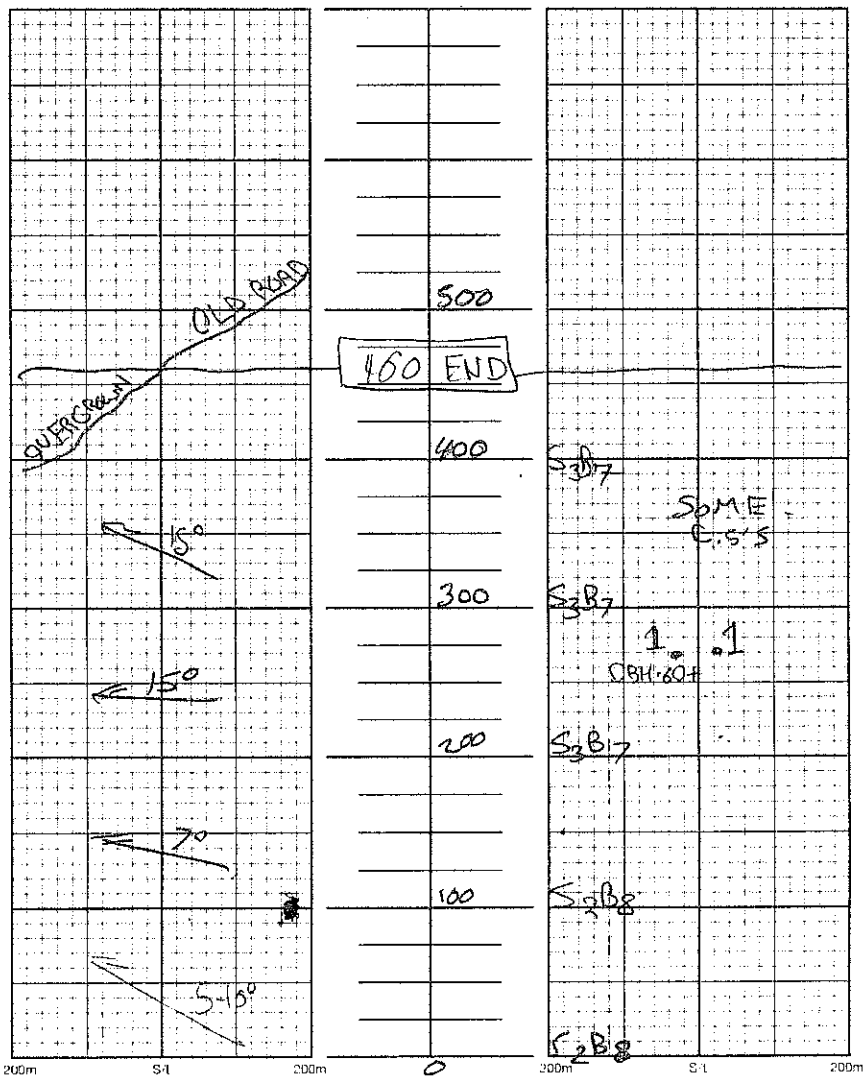
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. DN03 TIMBER TYPE



STRIP NO.: DN03 DIRECTION: 316° AT 460m

START STRIP: END DN02

JOB NO.: PAR11 DATE: OCT 12 2015

CREW: DAVID NORWELL

REMARKS:

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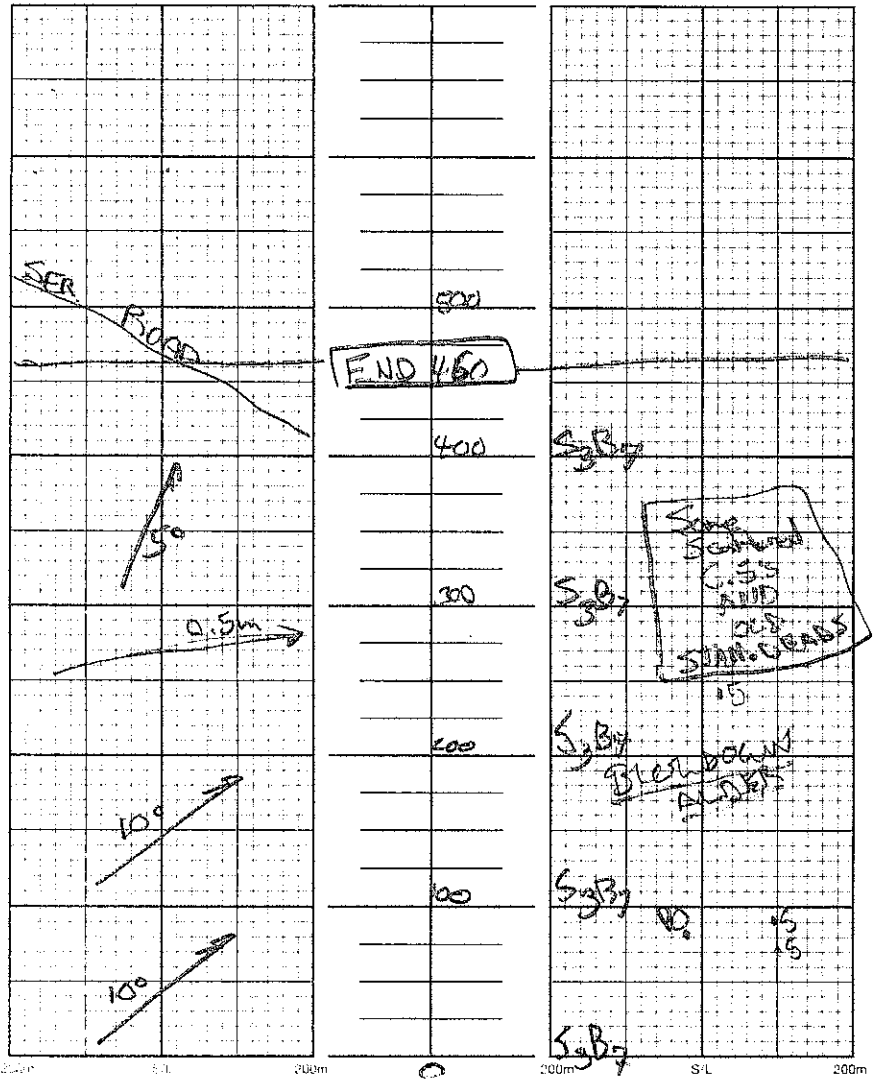
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No. DN04

TIMBER TYPE



STRIP NO.: DN04 DIRECTION: 226° AT 460m

START STRIP: END DN03

JOB NO.: PAR11 DATE: OCT 12 2015

CREW: DAVID NORWELL

REMARKS:

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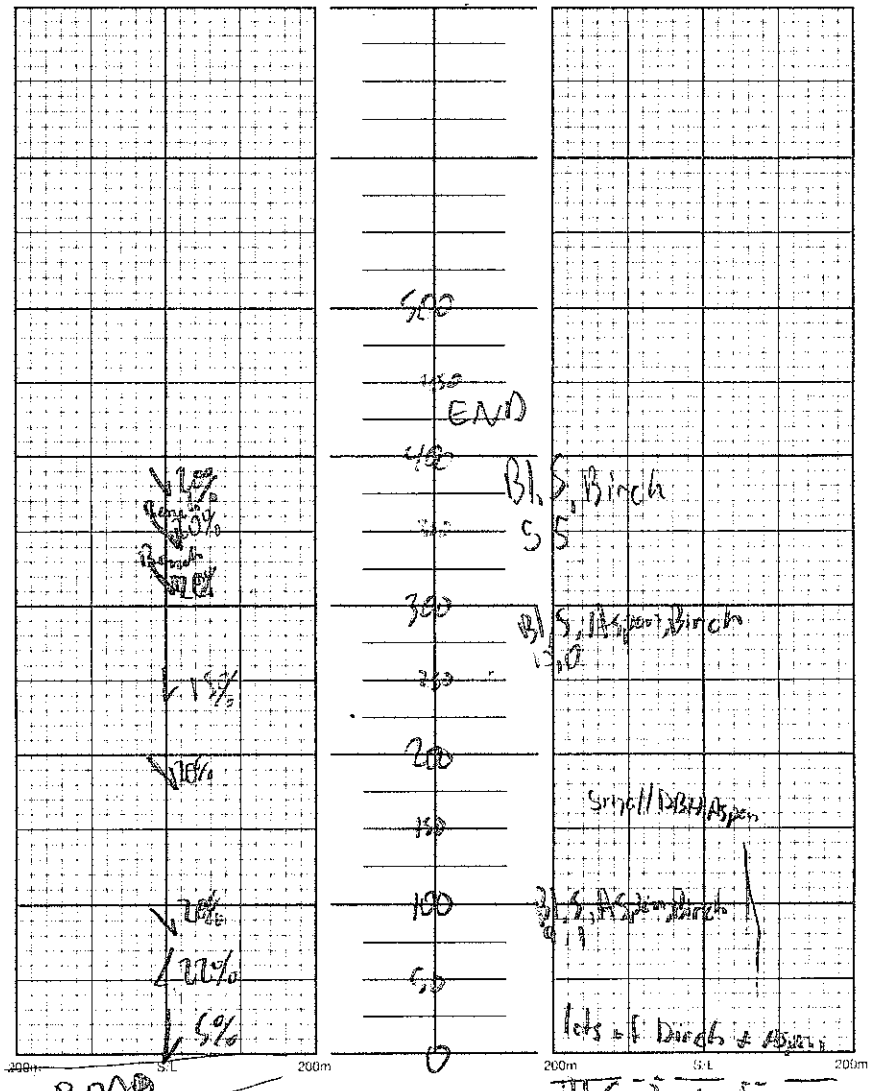
TOPOGRAPHY

STRIP No. ST1 PAR11

TIMBER TYPE



STRIP NO.: ST1 DIRECTION: 90°

START STRIP: UTM 0476166, 6628612

JOB NO.: DMK006 PAR011 DATE: Oct 12th 2015

CREW: Simon Turcotte

REMARKS: Very little spruce

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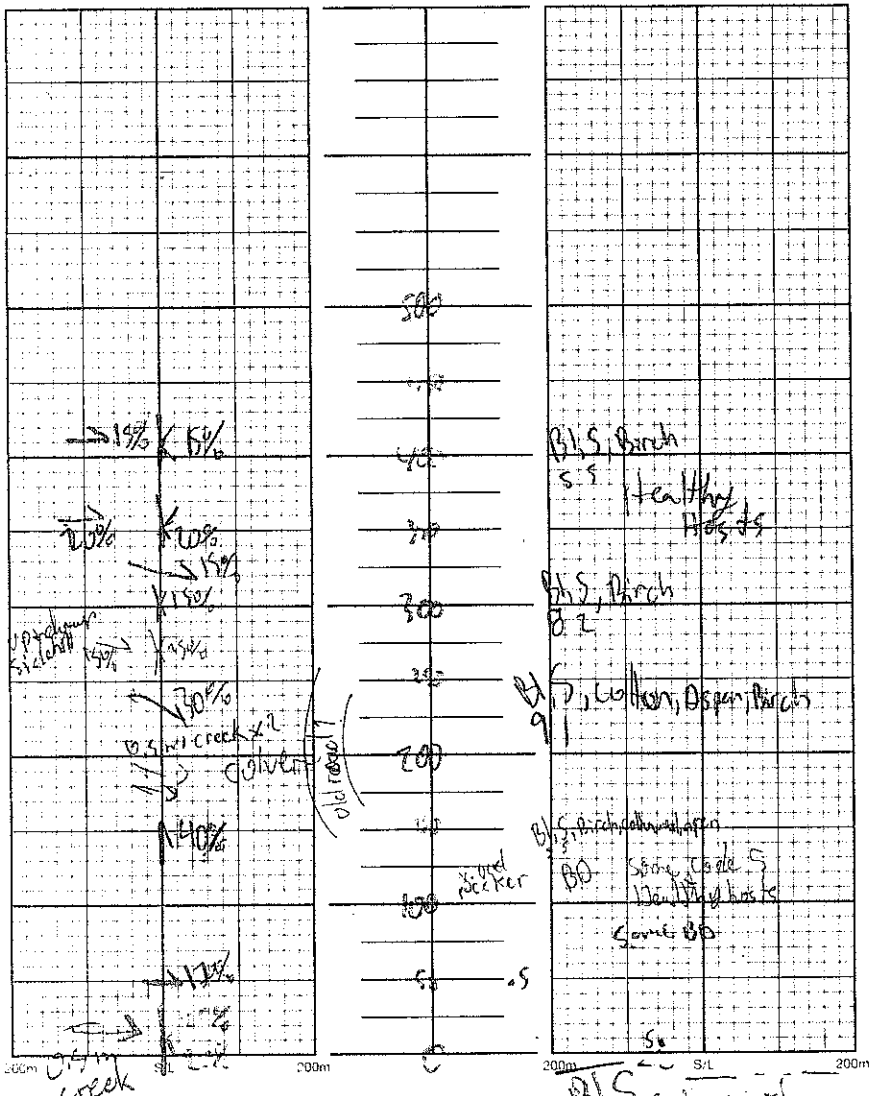
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. S12 TIMBER TYPE



creek

STRIP NO.: S12 DIRECTION: 150°

START STRIP: UTM 0476591, 6162800

JOB NO.: DMK006 PAR011 DATE: Oct. 12th 2015

CREW: Simon Turcotte

REMARKS: old road, ups & downs sidehill, Fen code 5

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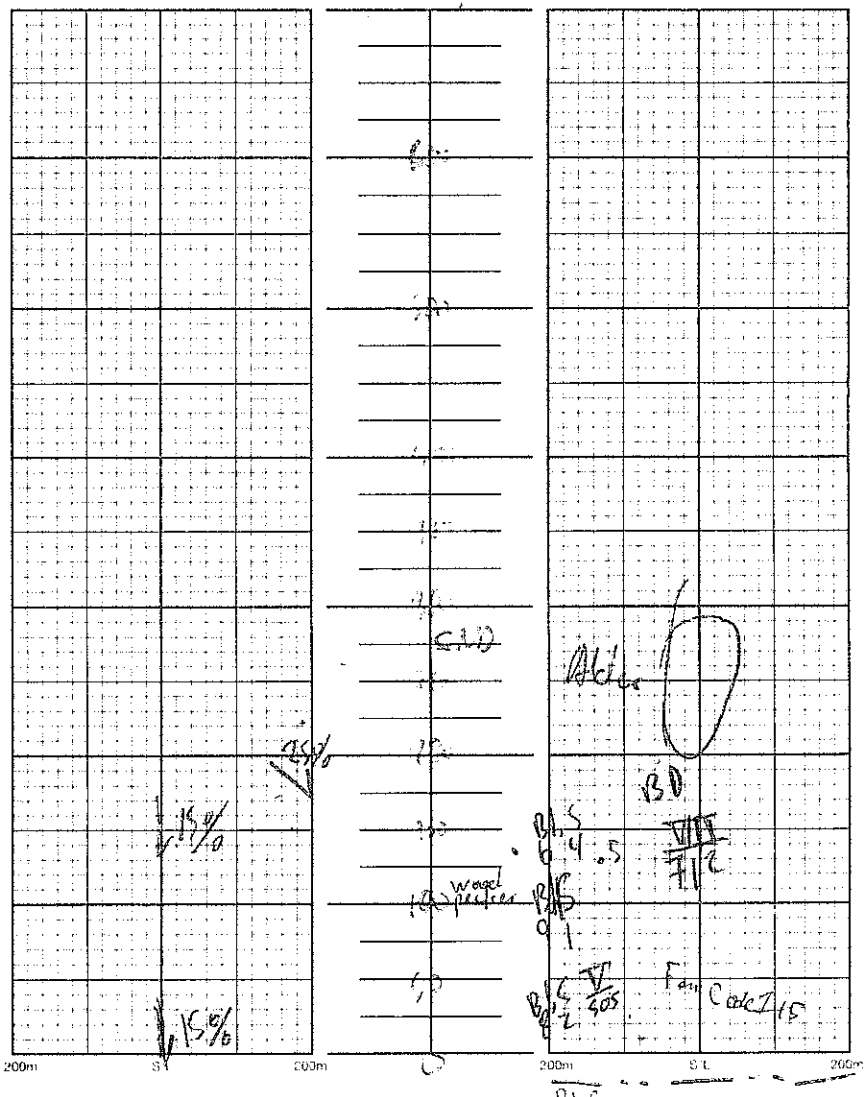
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. S13 TIMBER TYPE



STRIP NO.: S13 DIRECTION: 50°

START STRIP: UTM 0476811, 6162417

JOB NO.: DMK006 PAR011 DATE: Oct 12th 2015

CREW: Simon Turcotte

REMARKS: [illegible]

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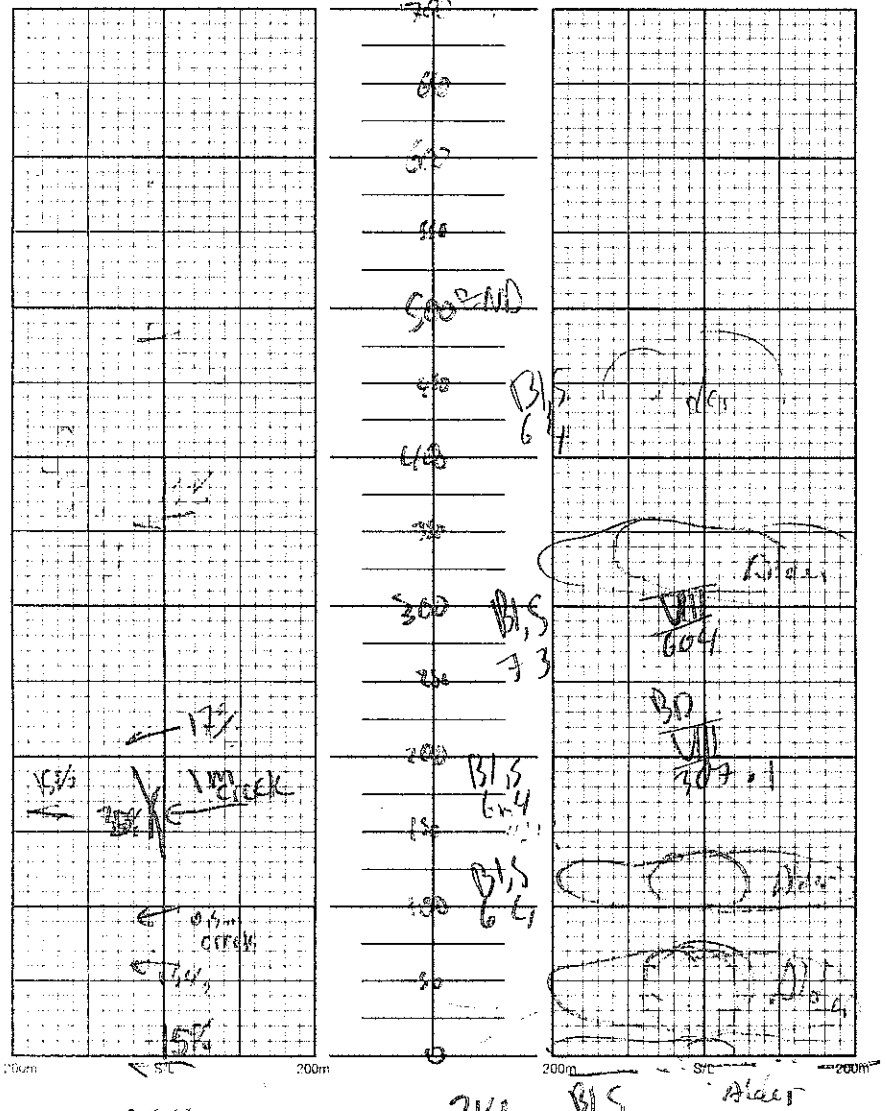
TOPOGRAPHY STRIP No. ST4 PARK11 TIMBER TYPE



STRIP NO.: ST4 DIRECTION: 316°

START STRIP: UTM 0476988, 6162596

JOB NO.: DMK006 PARK11 DATE: Oct. 12th 2015

CREW: Simon - Turcotte

REMARKS: Some beetle, Bl,S, Some patches with alder Bl>S

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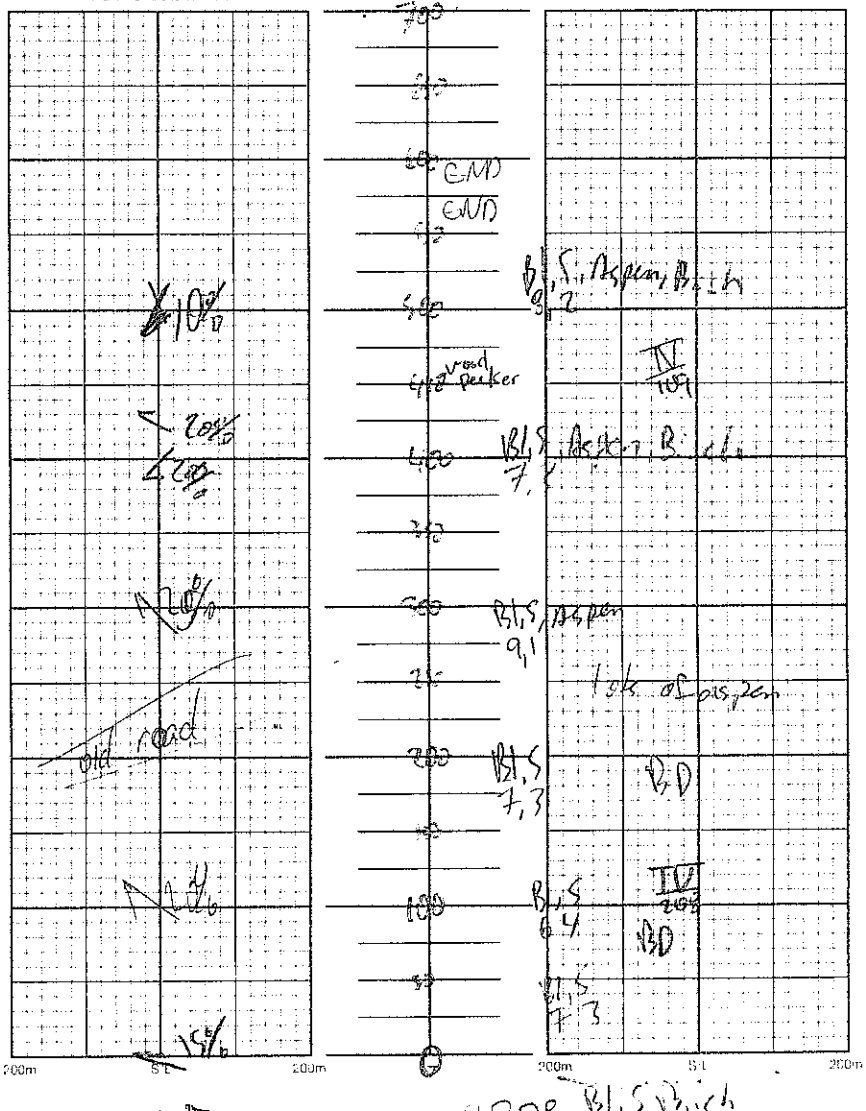
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. ST5 PARK11 TIMBER TYPE



STRIP NO.: ST5 DIRECTION: 280°

START STRIP: UTM 0476615, 6162951

JOB NO.: DMK006 PARK11 DATE: Oct 12th 2015

CREW: Simon - Turcotte

REMARKS: Bl>S, Some Beetle

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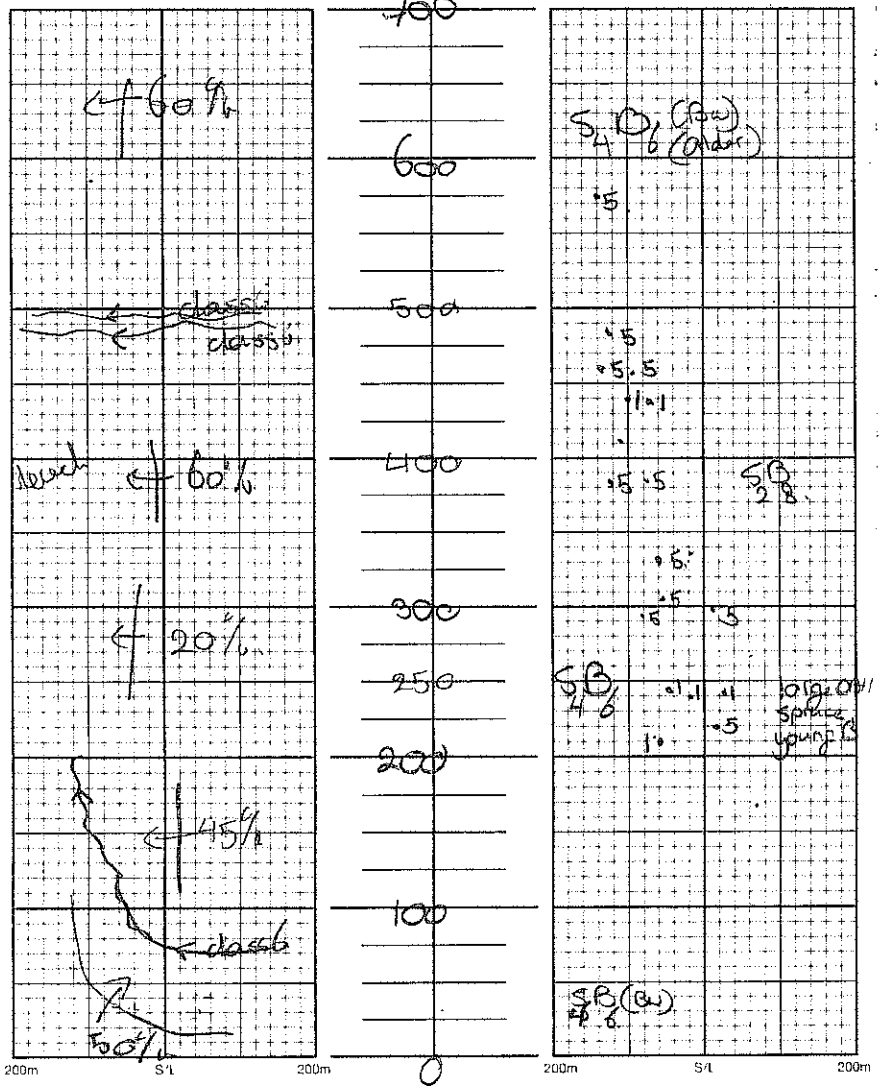
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. 1 TIMBER TYPE



STRIP NO.: 1 DIRECTION: 332°

START STRIP: 494460 - 6132393 475963-6163450

JOB NO.: Filo Ponkaoo6 DATE: Oct 12 2015

CREW: Mariska van der Stap

REMARKS:

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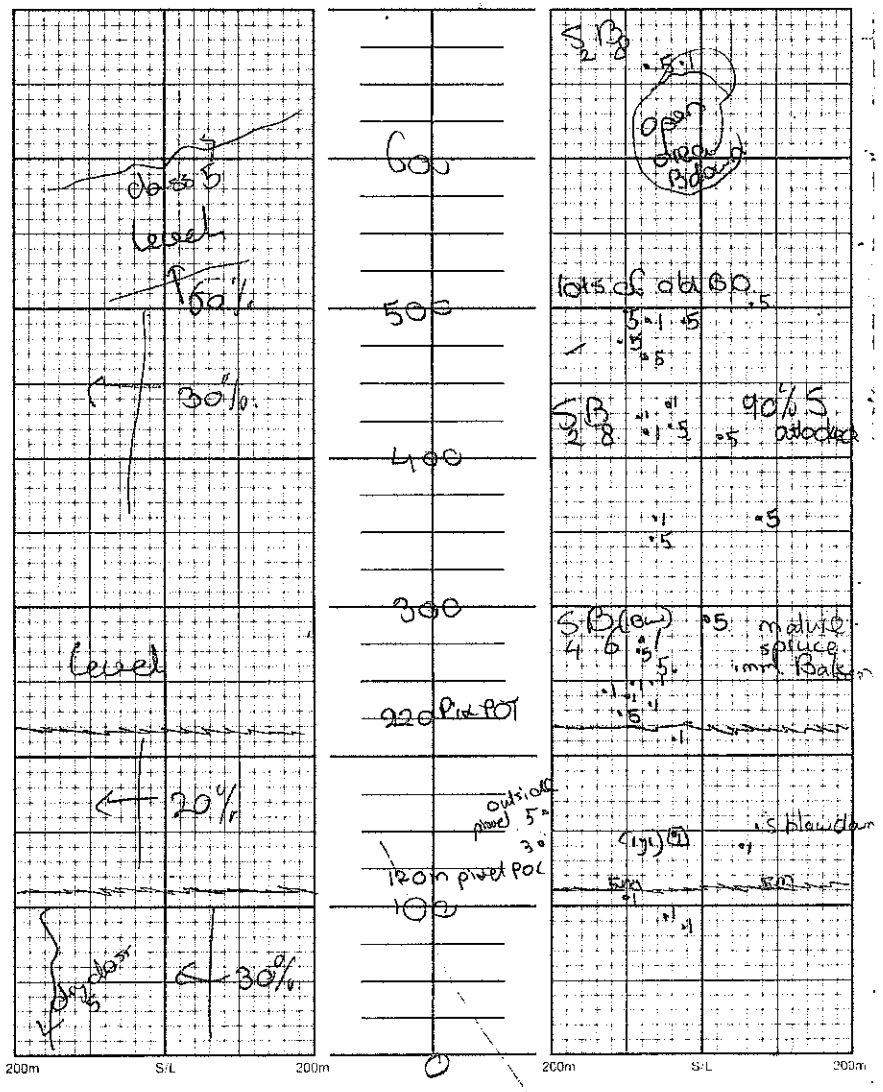
TOPOGRAPHY STRIP No. 3 TIMBER TYPE



STRIP NO.: 3 DIRECTION: 150°

START STRIP: 475455 - 6164023

JOB NO.: Filo Ponkaoo6 DATE: Oct 12 2015

CREW: Mariska van der Stap

REMARKS:

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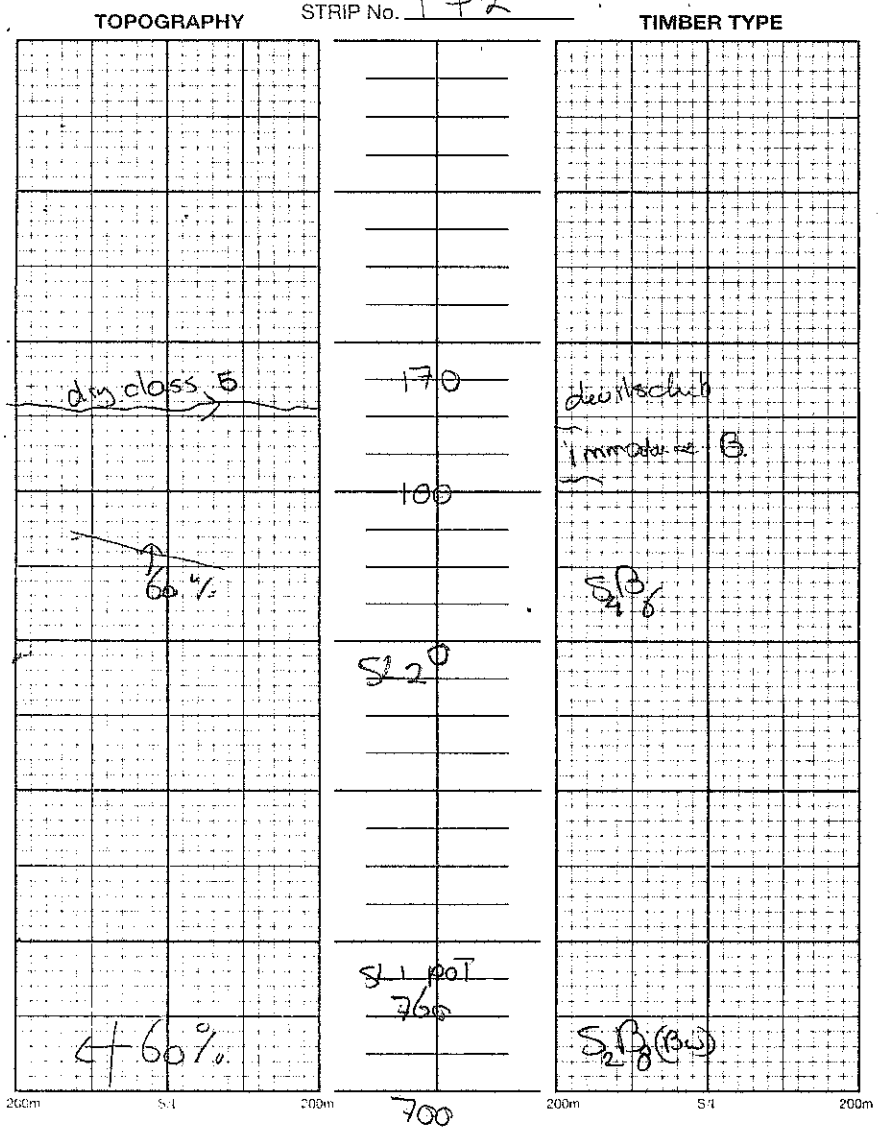

STRIP NO.: 1 + 2 DIRECTION: 250°

START STRIP: #2 475594 - 6164117

JOB NO.: FH16 OMKOO6 DATE: Oct 12 2015

CREW: Mariska van der Slop

REMARKS:

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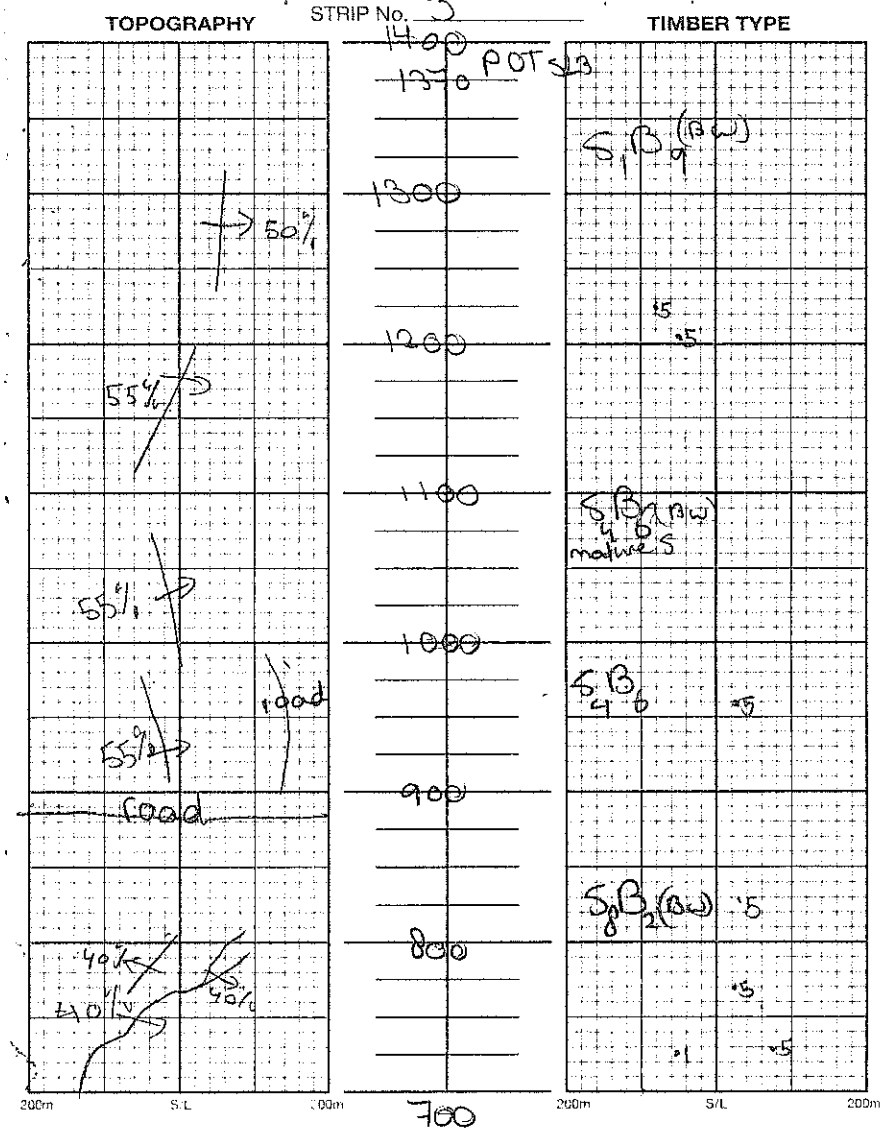
Ph: 1-800-663-6843



STRIP NO.: 3 DIRECTION: 150°

START STRIP: cont'd

JOB NO.: FH16 OMKOO6 DATE: Oct 12 2015

CREW: Mariska van der Slop

REMARKS:

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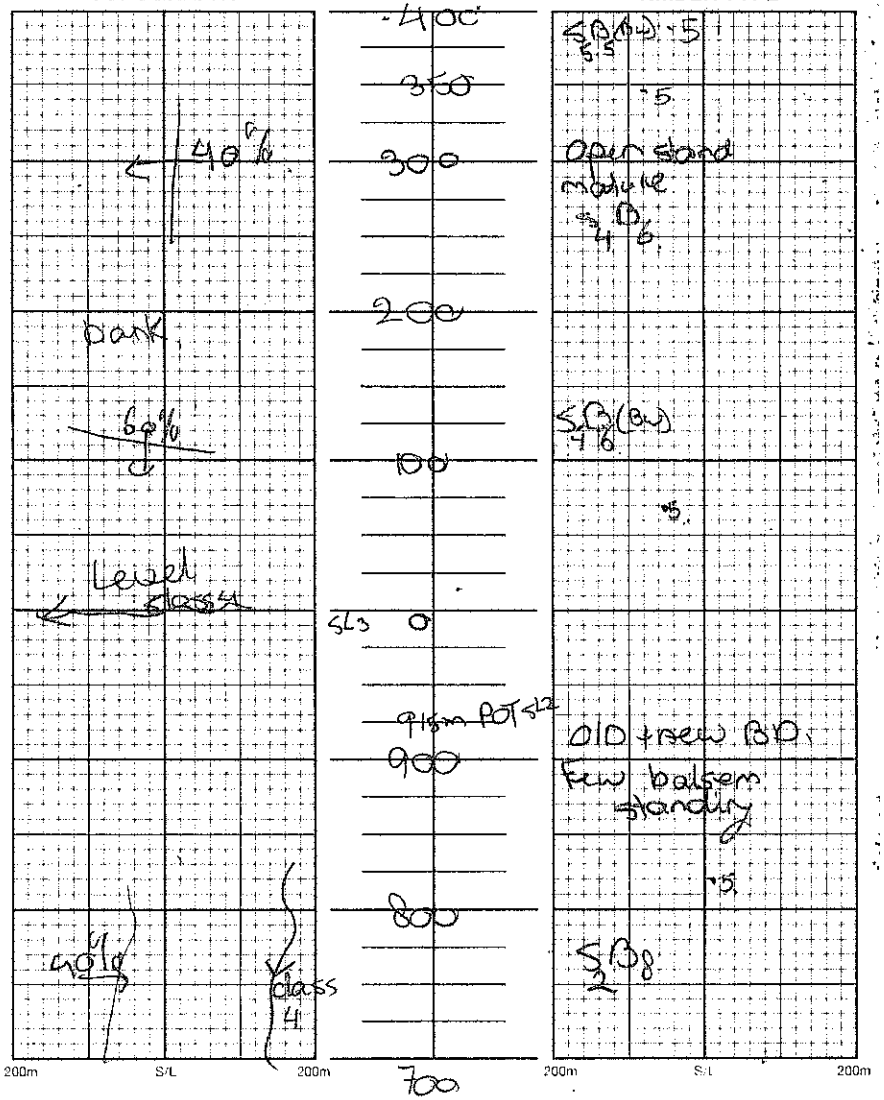
TOPOGRAPHY

STRIP No. 2+3

TIMBER TYPE



STRIP NO.: 2+3 DIRECTION: 326° (SC3)

START STRIP: 2 - cont'd #3 = 477863 - 6160765

JOB NO.: FH16PMK006 DATE: Oct 11 2015.

CREW: Mariska van der Stap

REMARKS:

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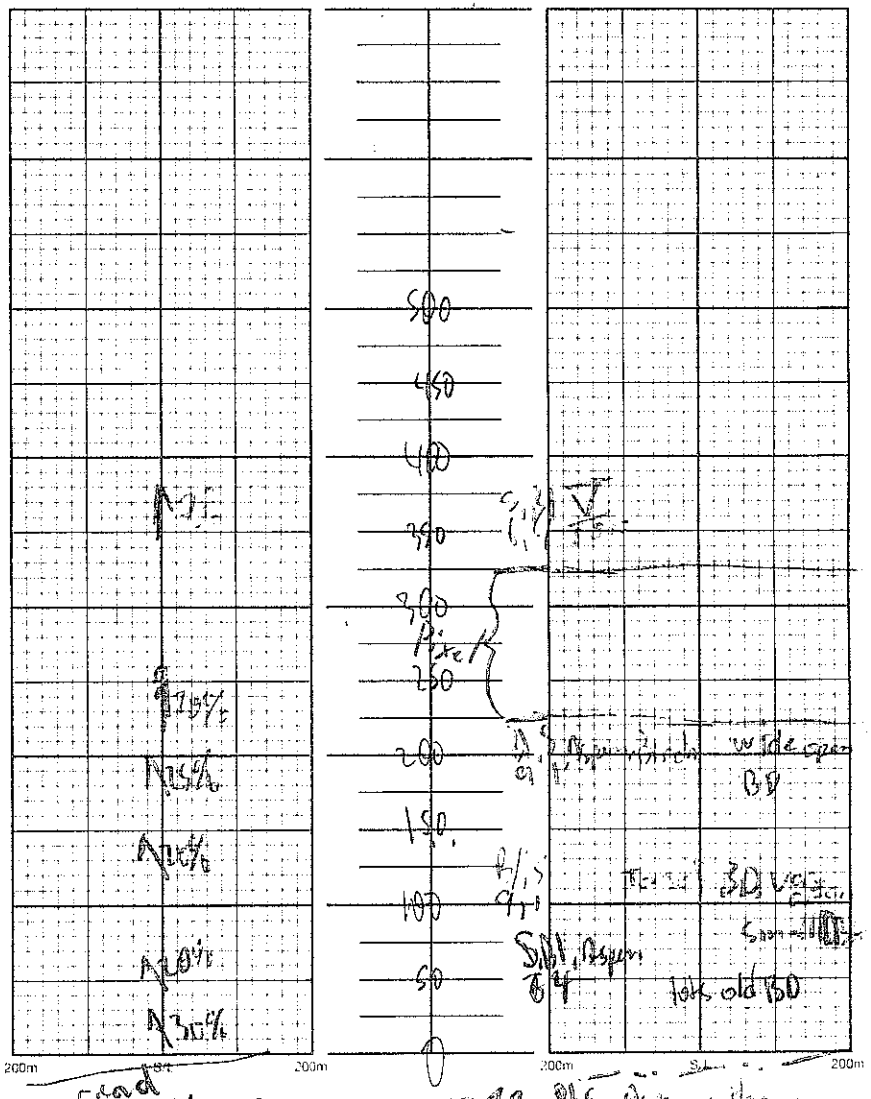
TOPOGRAPHY

STRIP No. ST1 · PAR011

TIMBER TYPE



STRIP NO.: ST1 DIRECTION: 137°

START STRIP: UTM 0478626, 6161473

JOB NO.: DMK006 PAR011 DATE: Oct 11th 2015

CREW: Simon Turcotte

REMARKS: Very little standing trees including Spruce, late (~10) Cedar

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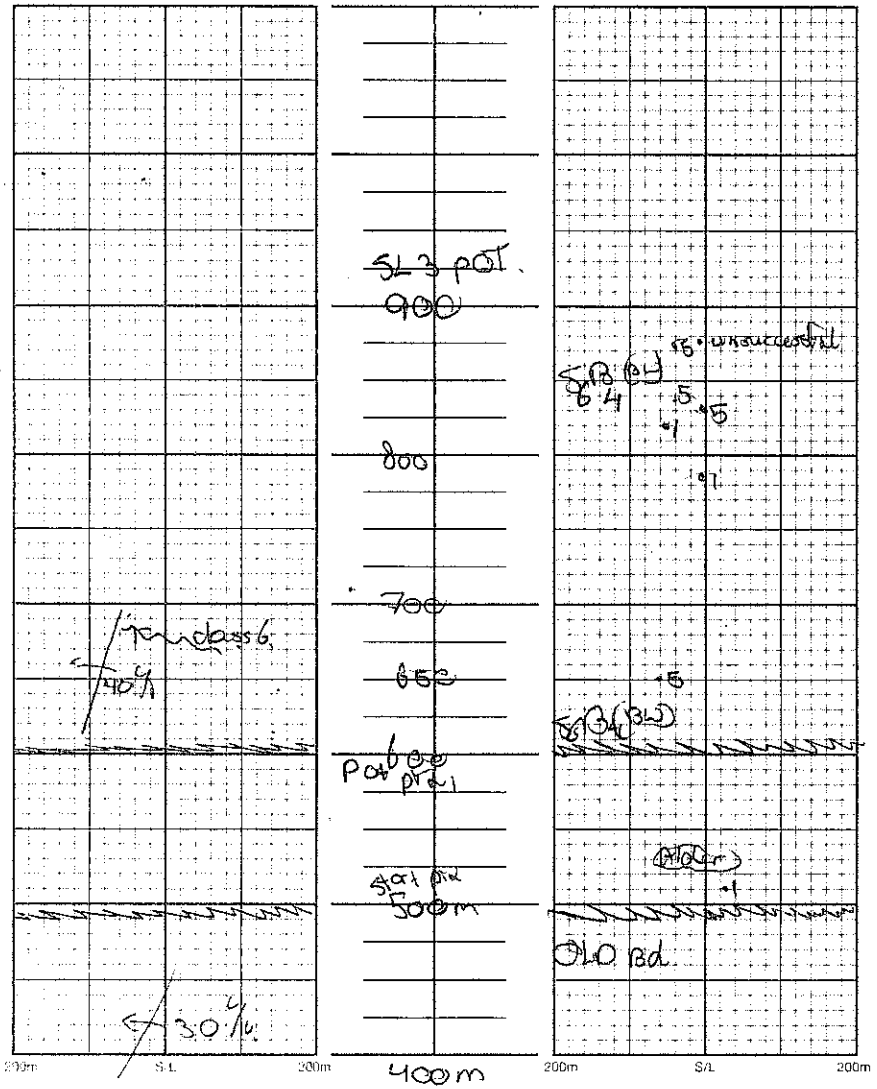
TOPOGRAPHY STRIP No. 3 TIMBER TYPE



STRIP NO.: 3 DIRECTION: 326°

START STRIP: cont'd

JOB NO.: ttlbomkoo6 DATE: Oct 11 2015

CREW: Moriska van der Stap

REMARKS:

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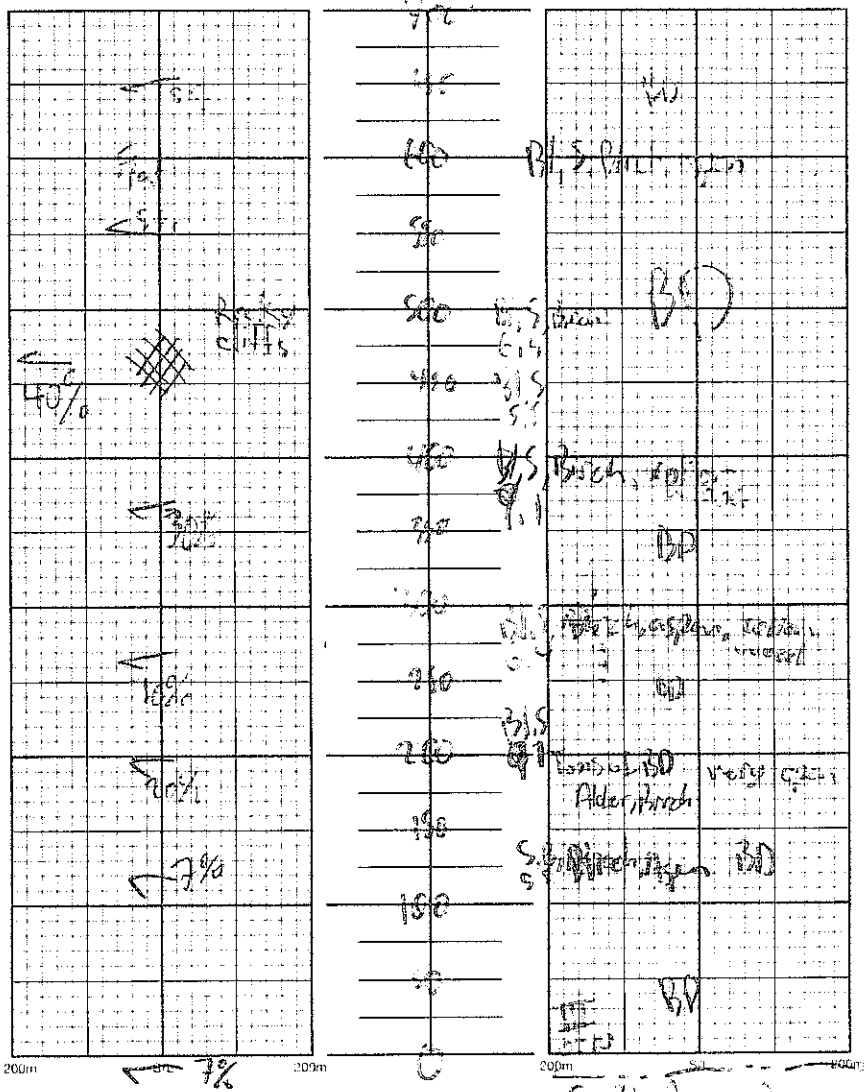
TOPOGRAPHY STRIP No. ST2 TIMBER TYPE



STRIP NO.: ST2 DIRECTION: 242°

START STRIP: VTM 0478986 6161195

JOB NO.: DMKOO6 MARCH DATE: Oct 11th 2015

CREW: Simon Turcotte

REMARKS:

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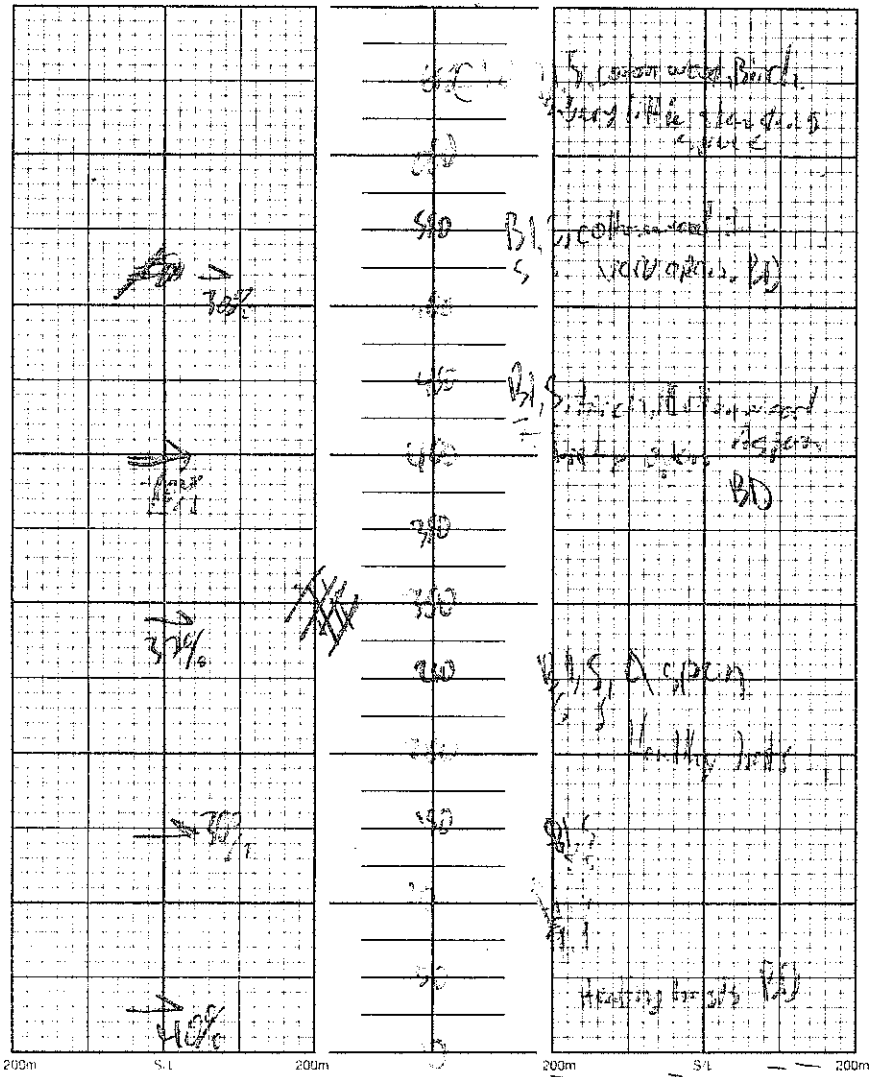
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. ST4 TIMBER TYPE



STRIP NO.: ST4
START STRIP: UTM 0478120, 6161043
JOB NO.: DWK006 PARCH
CREW: Simon Turcotte
REMARKS:

DIRECTION: 64°
DATE: OCT 11 2015

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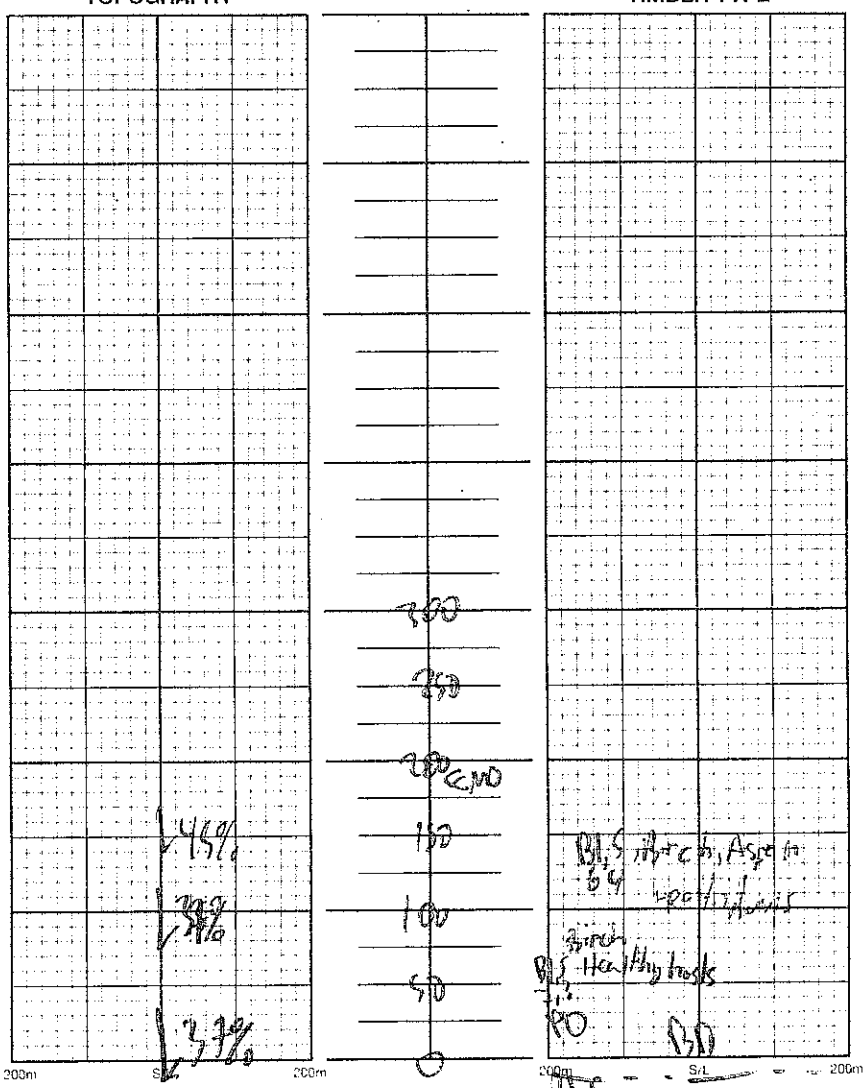
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. ST3 TIMBER TYPE



STRIP NO.: ST3
START STRIP: UTM 0478211, 6160885
JOB NO.: DWK006 PARCH
CREW: Simon Turcotte
REMARKS:

DIRECTION: 332°
DATE: OCT 11 2015

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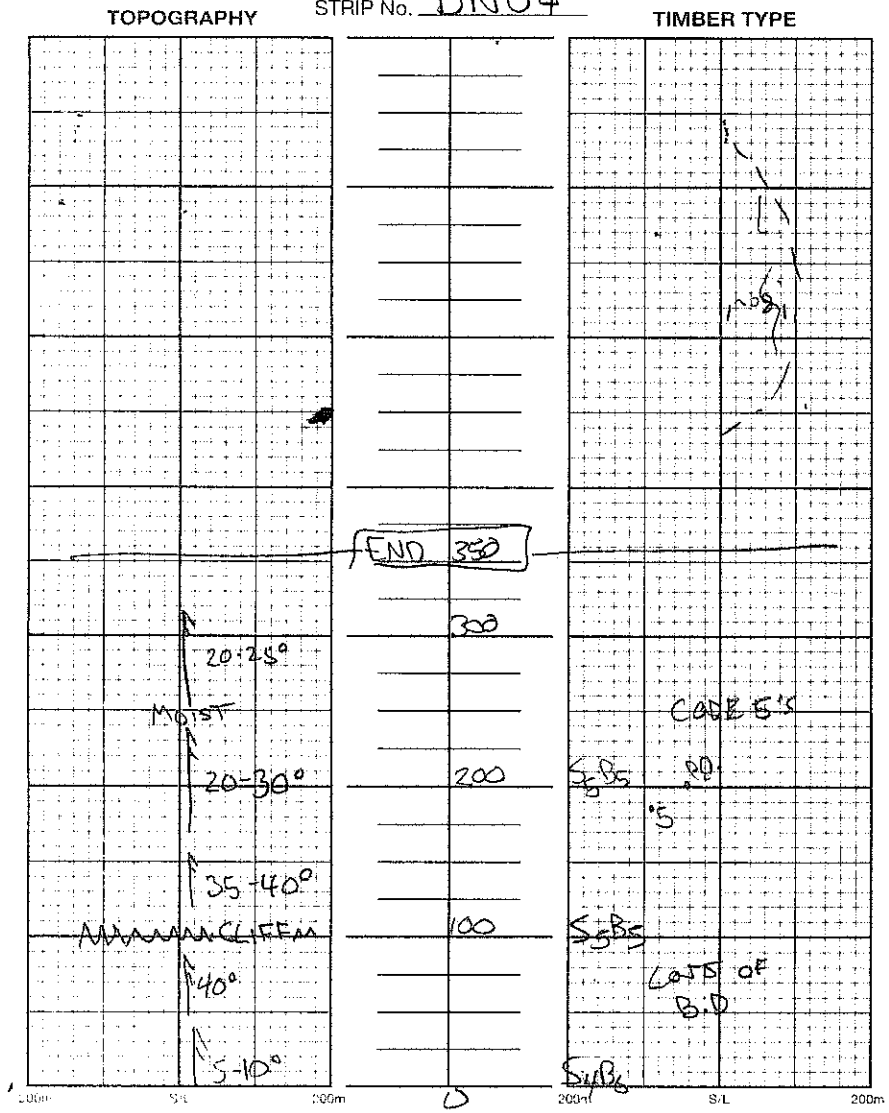
Ph: 1-800-663-6843



STRIP NO.: DN04 DIRECTION: 217°

START STRIP: END DN03

JOB NO.: PAR11 DATE: OCT 11 2015

CREW: DAVID NORWELL

REMARKS: DOWN HILL

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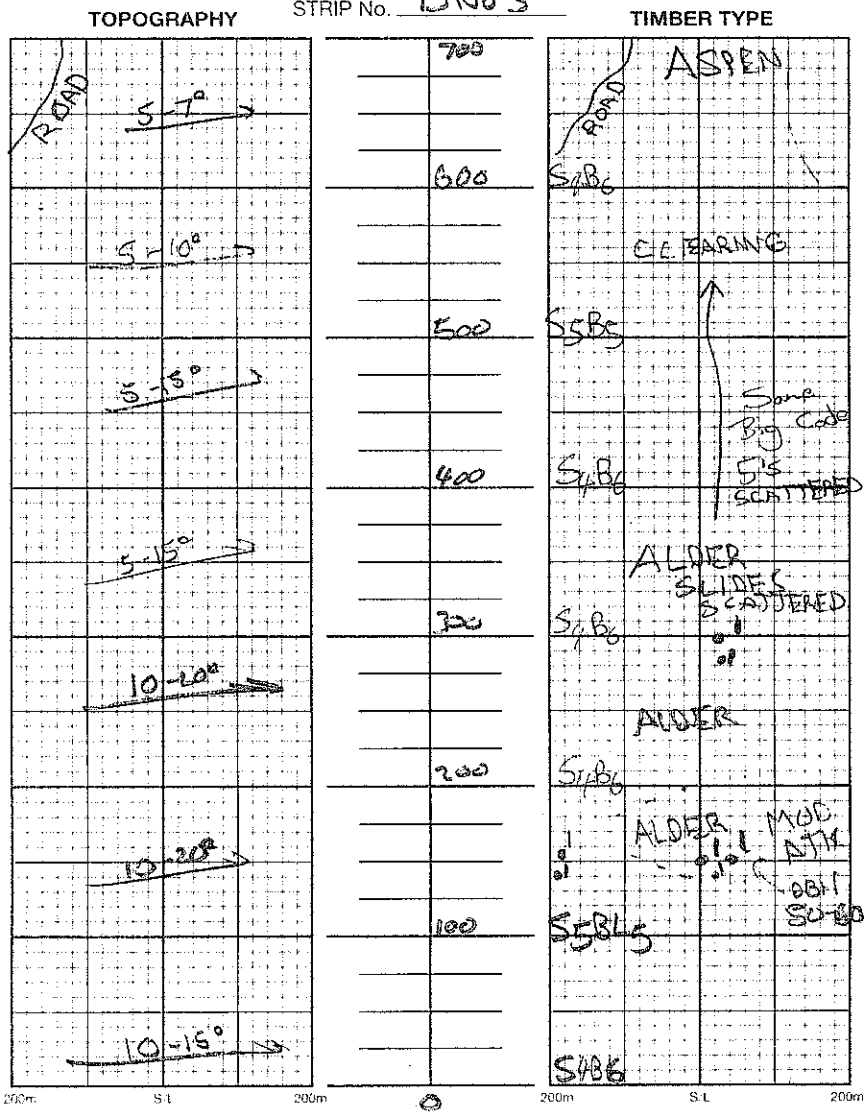

STRIP NO.: DN03 DIRECTION: 144° AT 830m

START STRIP: END DN02

JOB NO.: PAR11 DATE: OCT 11 2015

CREW: DAVID NORWELL

REMARKS:

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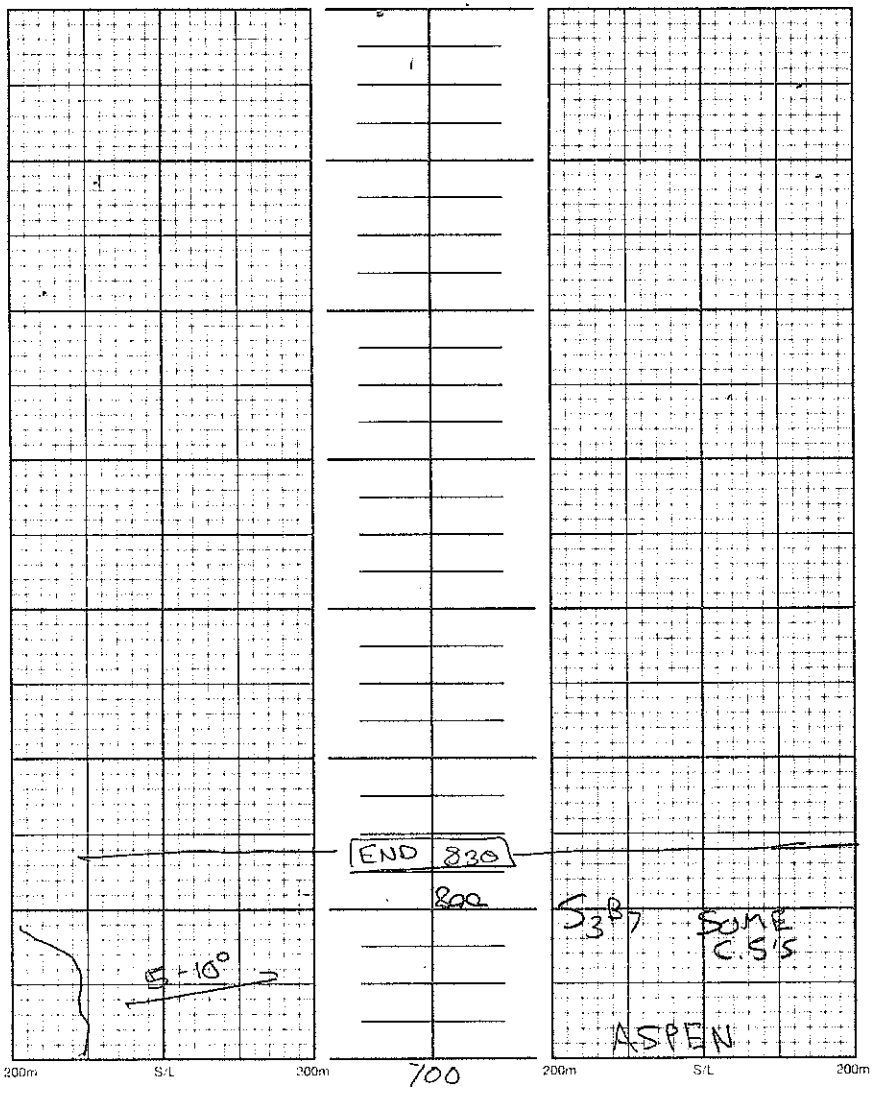
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. DN03 TIMBER TYPE



STRIP NO.: DN03 DIRECTION: 144° AT 830m

START STRIP:

JOB NO.: // DATE:

CREW:

REMARKS:

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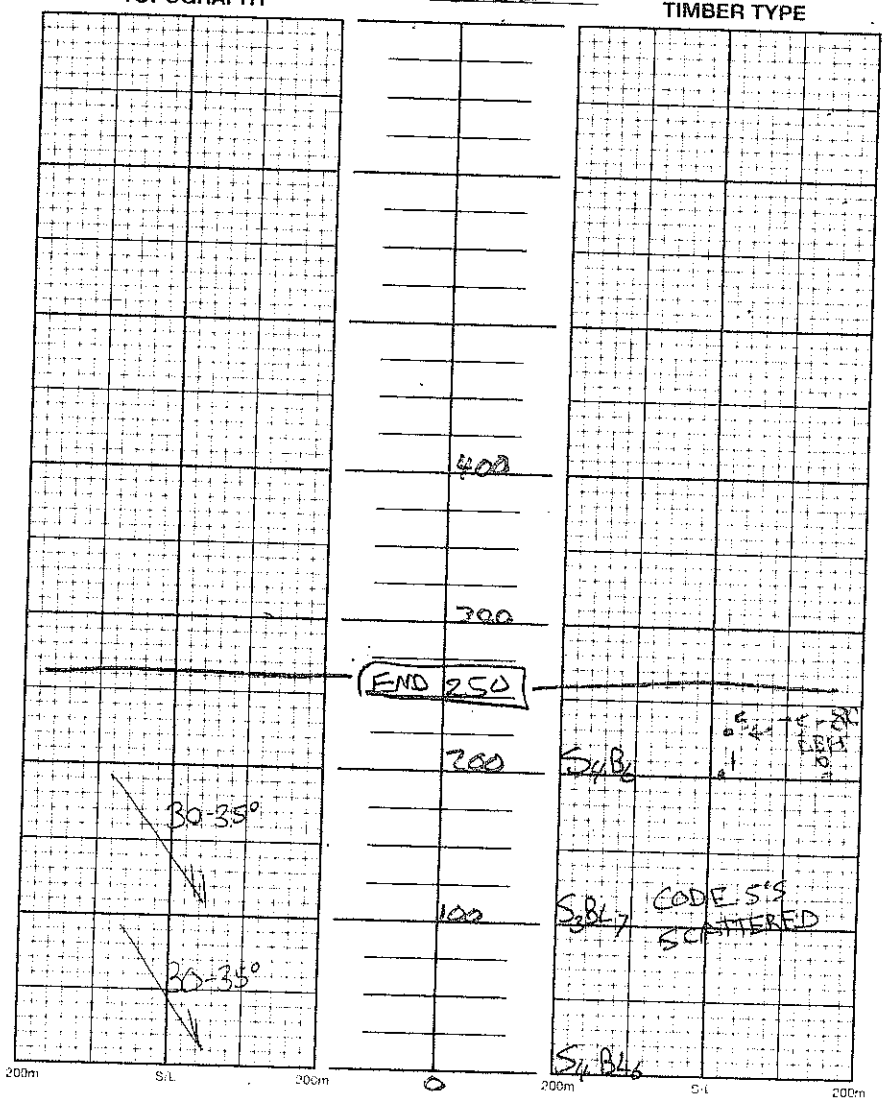
Ph: 1-800-663-6843

TOPOGRAPHY STRIP No. DN02 TIMBER TYPE



STRIP NO.: DN02 DIRECTION: 85° AT 250m

START STRIP: END DN01

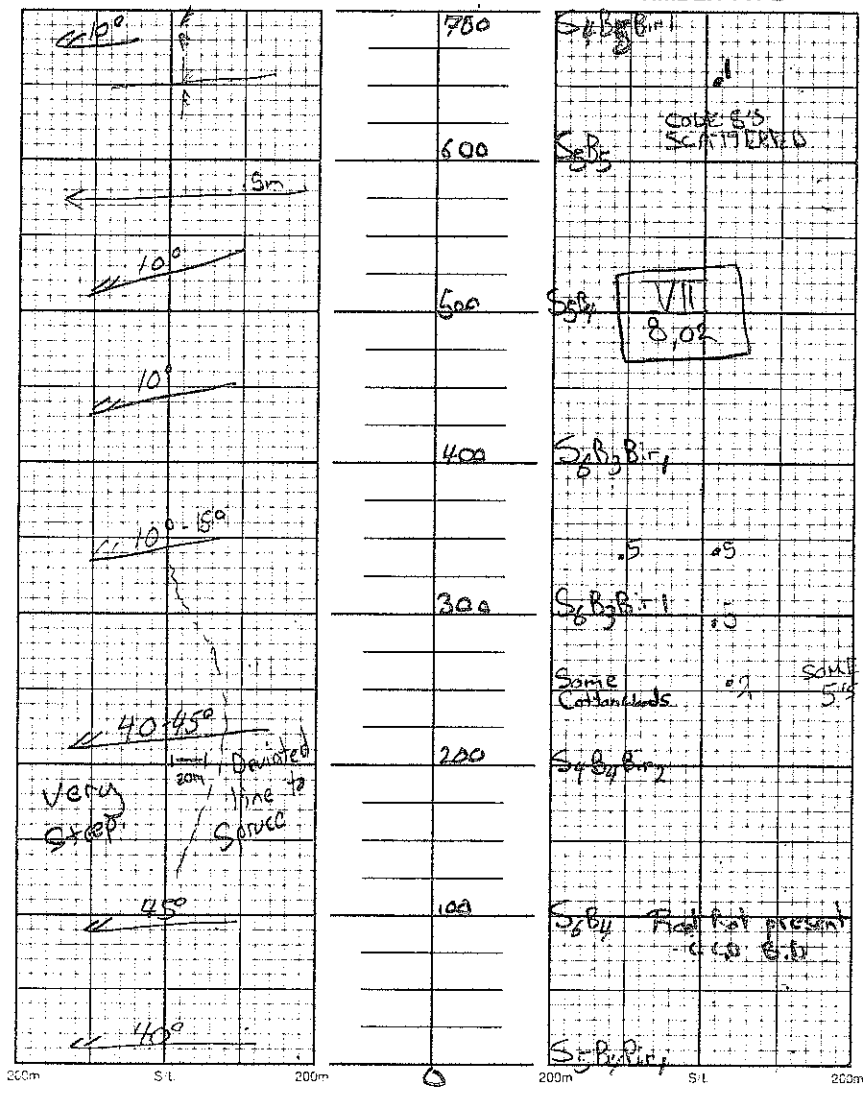
JOB NO.: PAR 11 DATE: OCT 11 2015

CREW: DAVID NORWELL

REMARKS:

www.irlsupplies.com
Ph: 1-800-663-6843

STRIP No. DN01



STRIP NO.: DN01 DIRECTION: 327° AT 900m

START STRIP: 0477446/6161499

JOB NO.: PAR011 DATE: OCT 11 2015

CREW: DAVID NORWELL

REMARKS:

www.irisupplies.com
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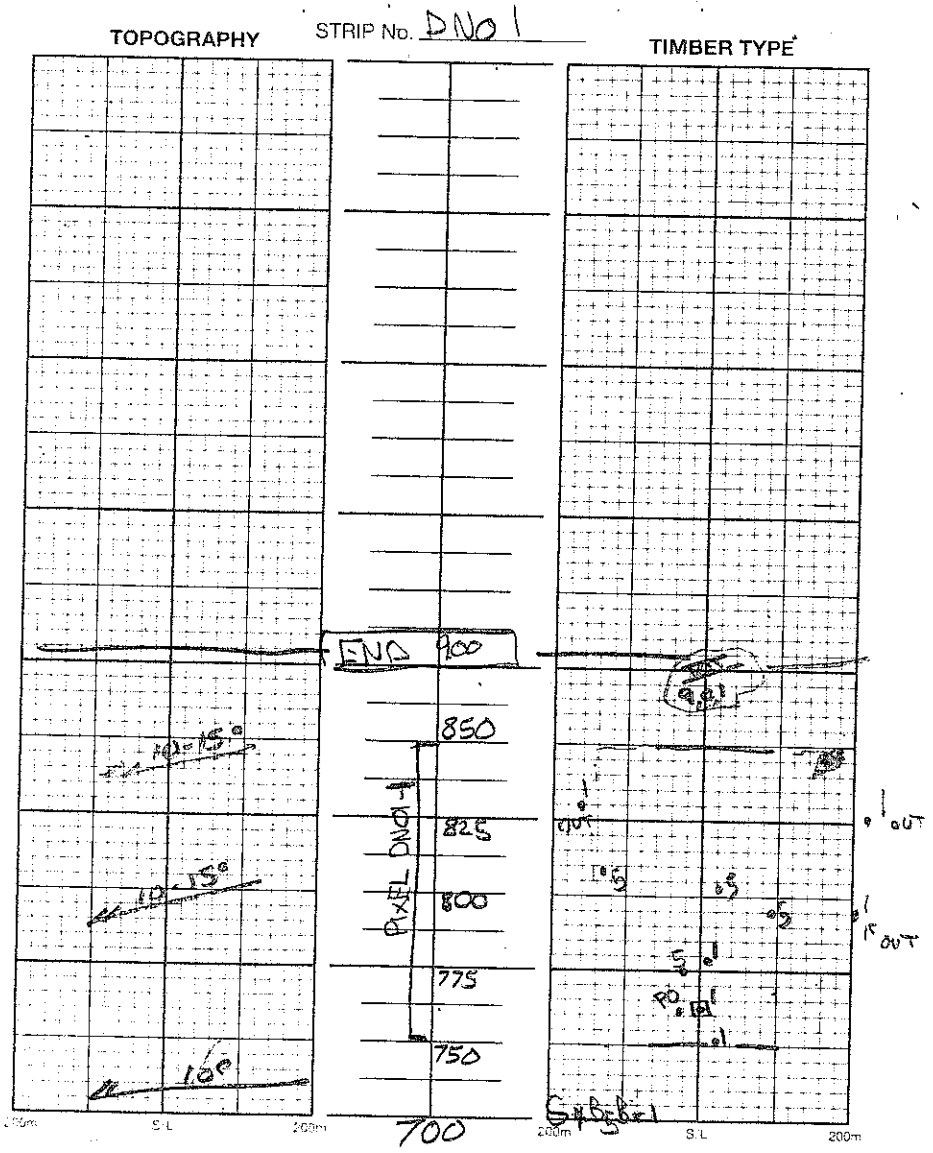

STRIP NO.: DN01 DIRECTION: 327

START STRIP:

JOB NO:: 4 DATE: 4

CREW:

REMARKS:

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