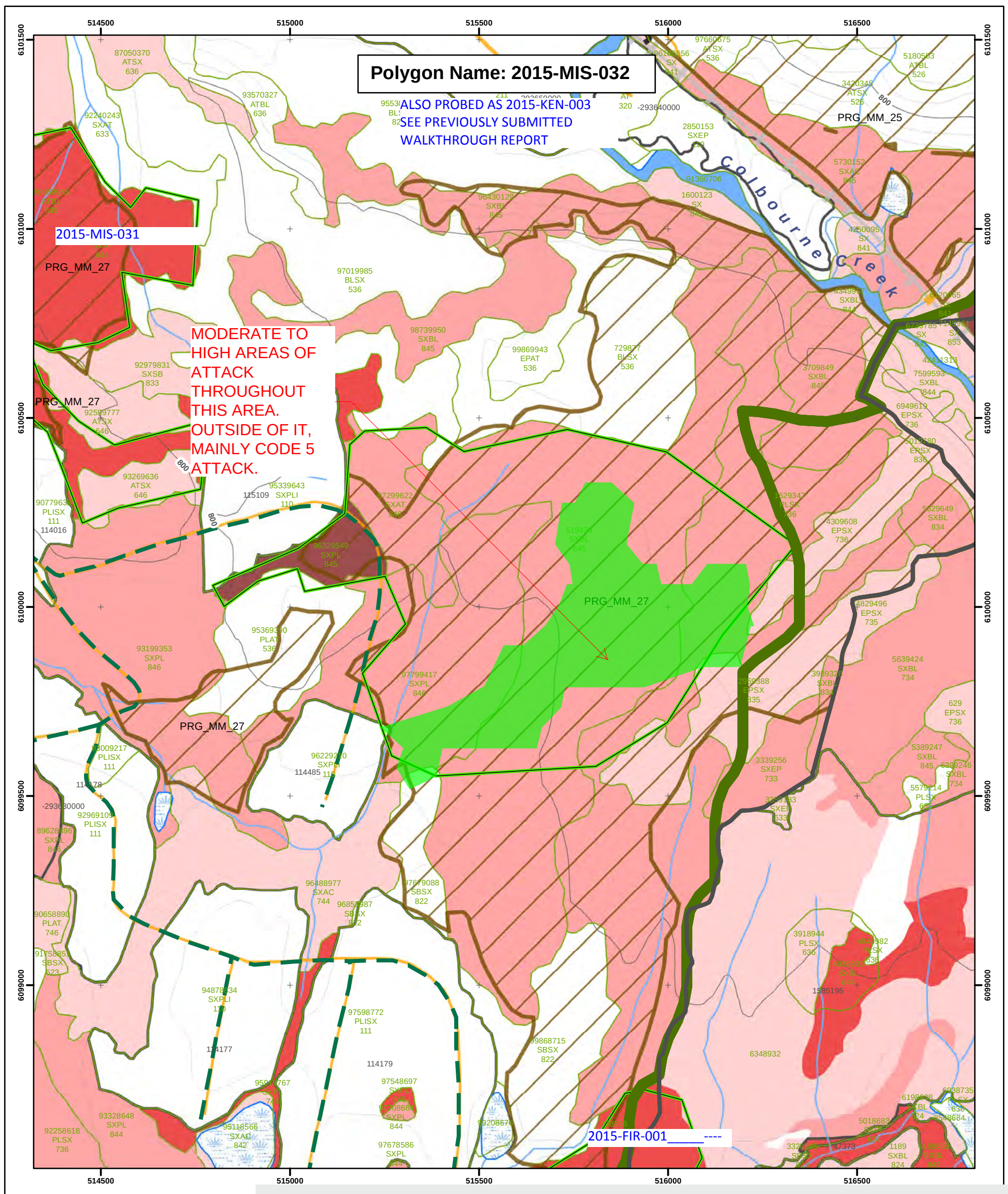
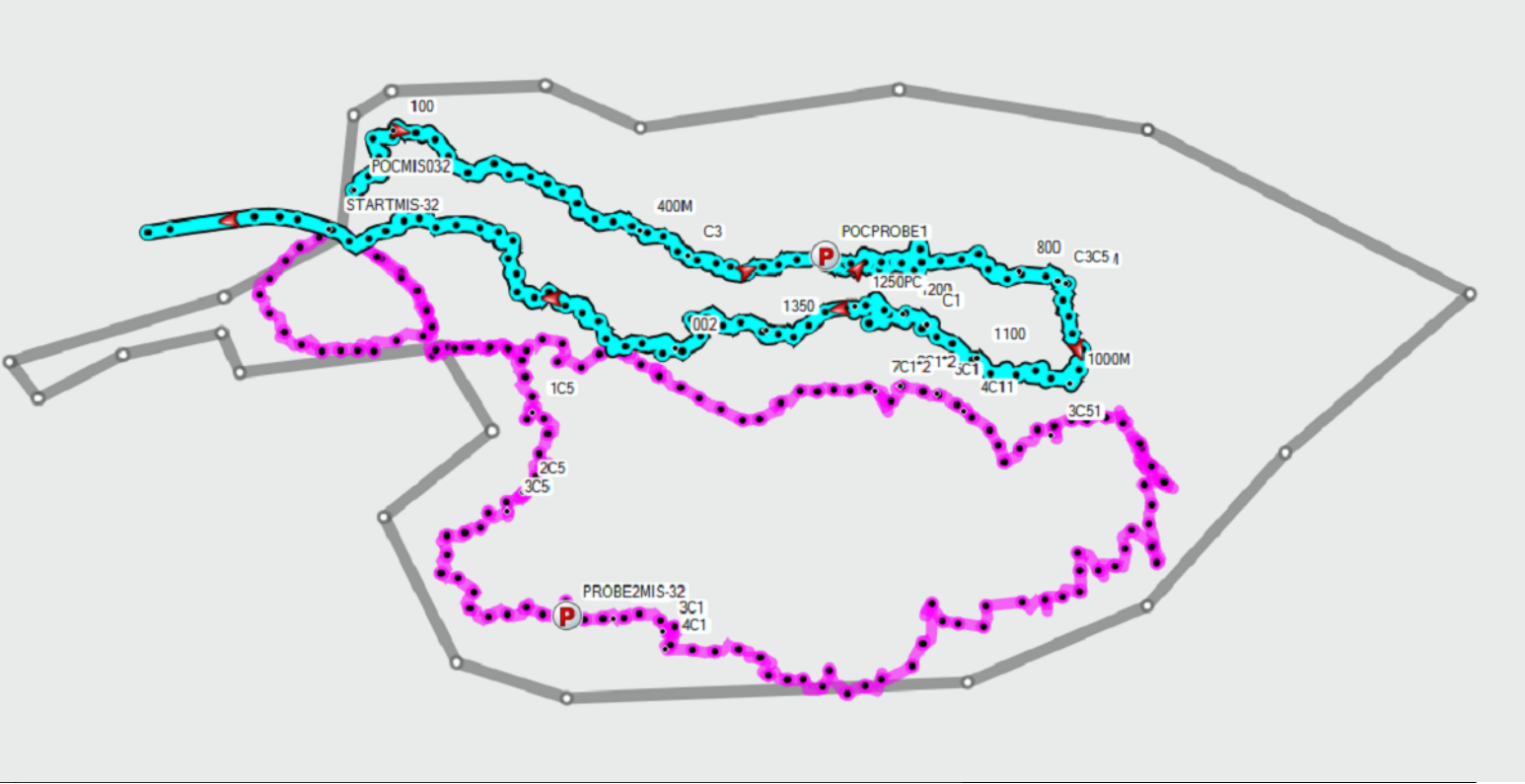




 BRITISH COLUMBIA	Ministry of Forests, Lands and Natural Resource Operations
<h1>Spruce Bark Beetle Field Map</h1>	
Polygon Name: 2015-MIS-032	
Landscape	
Unit/BMU:	Misinchinka
Region:	Omineca
District:	Mackenzie
Mapsheet:	093002
Hectares:	82.79
Scale:	1:10,000
When plotted on 11x17	
Coordinate	
System:	NAD 1983 UTM Zone 10N
Datum:	North American 1983
Date Drawn:	03/12/2015
Drawn By:	msnively



**SENECA ENTERPRISES LTD.**

PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3

Phone: (250) 561-0890, Fax: (250) 564-3275

**SPRUCE BARK BEETLE REPORT
FH16DMK016,017**

POLYGON: 2015-MIS-032

HECTARES:

82.79

WALKTHROUGH DISTANCE:

4700

ESTIMATED INFESTED PIXELS FROM

WALKTHROUGH (Code 1-4)

8 17.0%

SUMMARY OF CURRENT INFESTATION

Walkthrough shows less than 20% Infested pixels but has a moderate intensity within the center and scattered attack surrounding.

MODERATE ATTACK in CENTER OF POLYGON, LIGHT SCATTERED ATTACK surrounding center

ACCESS

Access os from the west via sled, Some deactivations on las km of road leading into polygon. (Part Probed as KEN003 in NOV)

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

overall no major slopes, 0-5%, heavy blowdown in areas and areass quite wet. Overall 50/50 Spruce Balsam with more spruce concentrated n center and attacked areas of polygon, (Large DBH SPRUCE average 35-40cm, with scattered larger)

SIZE, BOUNDARY and PATTERN OF INFESTATION

Large polygon that covers old polygon that was traversed in Nov KEN003. Infestation very condensed and concentreted towards middle and east of Polygon.

INCIDENCE AND SEVERITY OF ATTACK

attack has a releatively high attack density from 2 probe lines and a low mean larval density, Many sttacked trees throughou and while Sanitation and Salvage rating moderate, definite need for action.

RISK OF BEETLE SPREAD

Polygon surrounded by timber and has a difinite rsk of spread. To the South is FIR001 with some attack as well.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access, minimal slopes with minimal issues

RECOMMENDATIONS

SCHEDULE PLANS WITH MIS031 and FIR001 as in immediate area.

OPTION 1**PROBE.HARVEST**

Probe or Cruise to identify areas requiring harvesting to determine severity and better define area of attack. The center of Polygon has heavier attack with significant recent attack and older attack. The attacked trees are on both a 1 and 2 year life cycle . There are scattered single trees identified with 2014 attack to the east and west.

OPTION 2**TRAP TREES/ MONITOR**

Schedule Cruising and lay trap tree trails down along main road to hold infestation while awaiting harvest plans.

SPRUCE BEETLE WALKTHROUGH

(Also Probed as 2015-KEN-003)

SPRUCE BEETLE WALKTHROUGH

(Also Probed as 2015-KEN-003)

- MODERATE ATTACK
- PROBE LINES
- Path
- Path
- Path
- Path
- Path
- Path
- Path
- Path

MODERATE ATTACK

PROBE LINES

Path

Path

Path

Path

Path

Path

Path

Path

Google™ earth

Image © 2016 DigitalGlobe

AN

800 m



BEETLE PROBE CARD

LOCATION		MSI-032		ELEVATION	LATITUDE		PAGE 1 OF 1			
BEARING 93°		STRIP LINE NO. Pdxel	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	
			1	2	3	4	5	6	MAIN	OTHER
12.5 - 17.4	2.0									
17.5 - 25.0	3.3	P/O								
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		18	3	1				15	2	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
North										
South										
COMMENTS O Bark sample										
CREW NAMES Aaron Colebank						DATE Y M D 2016 01 25				

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

SPRUCE BEETLE PROBE CARD

LOCATION		MIS-032		60515385		PAGE 1 OF 1				
BEARING 92°		DISTANCE 100m		STRIP WIDTH 10m						
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
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		4	1						12	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
1B	4	1	2	1	1					
2B	2	1	1	1	1					
COMMENTS										
CREW NAMES Pat Poirier						DATE Y M D 16 01 25				

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

STRIP NO.: 2 DIRECTION: 35°
START STRIP: 55°02.964 122°45 764
JOB NO.: MIS-032 DATE: Sun
CREW: Aaron Colebank
REMARKS:

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

STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

JOB NO.: _____ DATE: _____

CREW: _____

REMARKS: _____

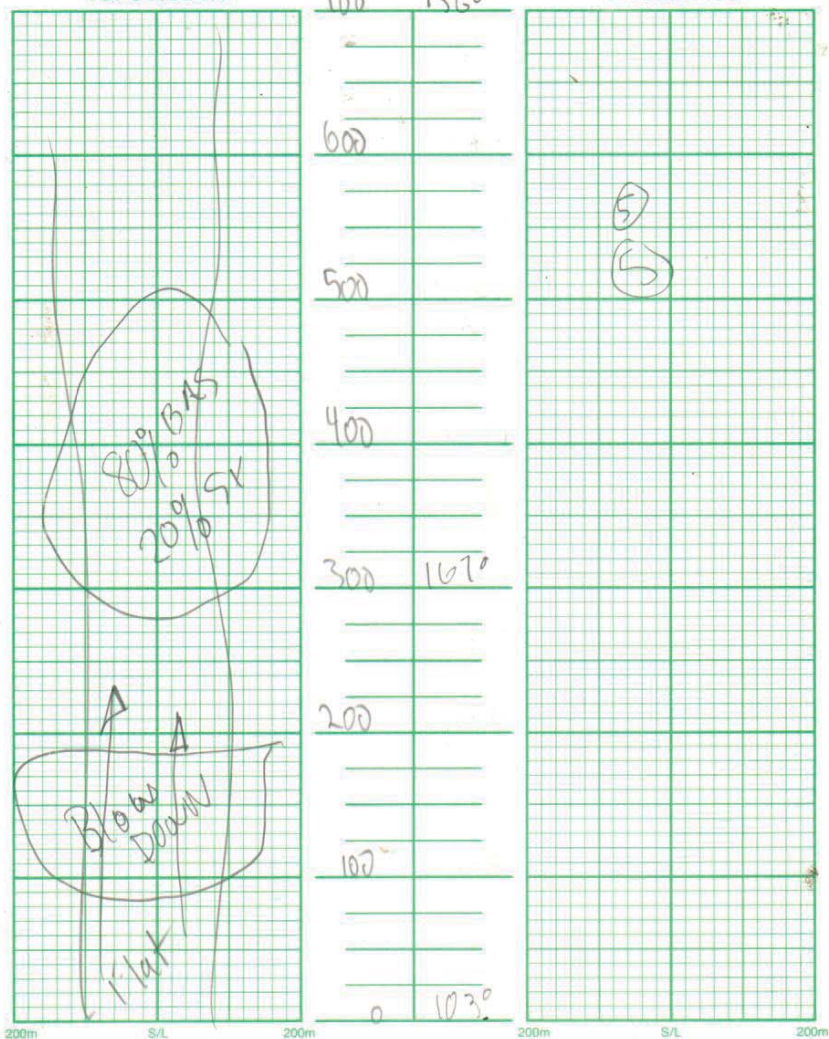
 www.irlsupplies.com
Ph: 1-800-663-6844

TOPOGRAPHY

STRIP No.

100 1560

TIMBER TYPE



STRIP NO.:

1

DIRECTION:

103°, 167°

START STRIP:

0-700

JOB NO.:

MIS-032

DATE:

JAN

CREW:

Pat Poirier

REMARKS:



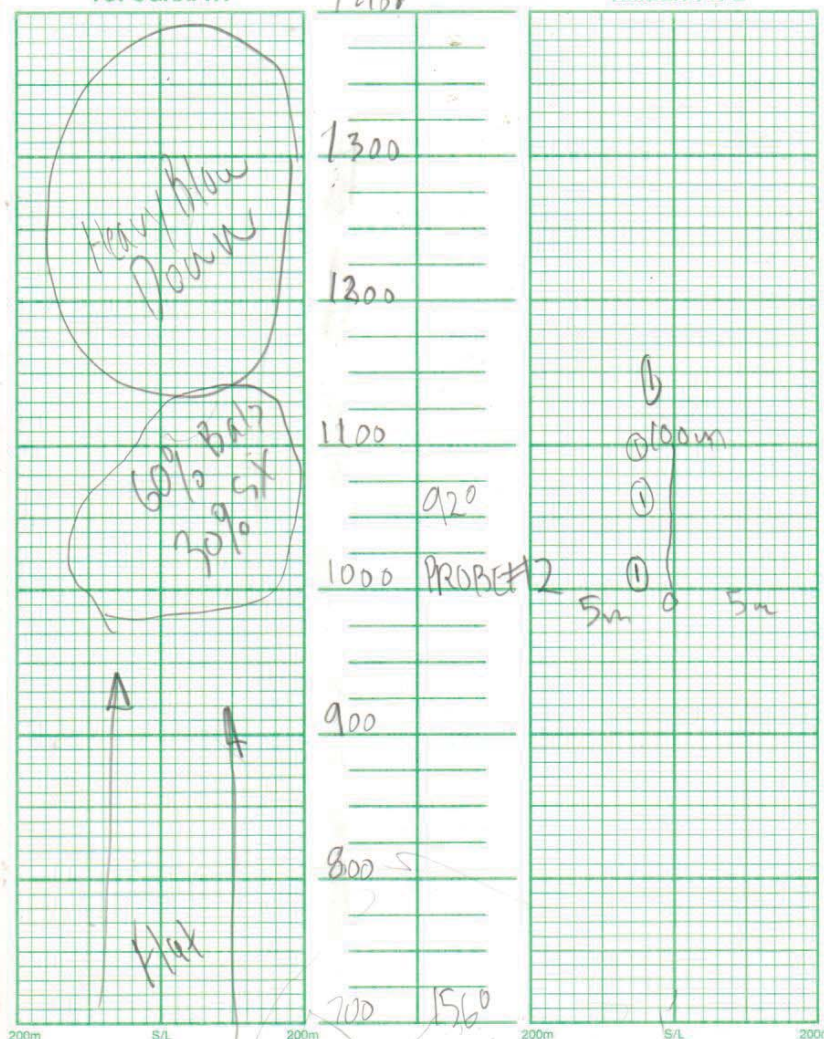
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TOPOGRAPHY

STRIP No.

1400

TIMBER TYPE



STRIP NO.:

1

DIRECTION:

156°, 92°

START STRIP:

700-1400

JOB NO.:

MIS-032

DATE:

Jan 25, 16

CREW:

Pat Poirier

REMARKS:

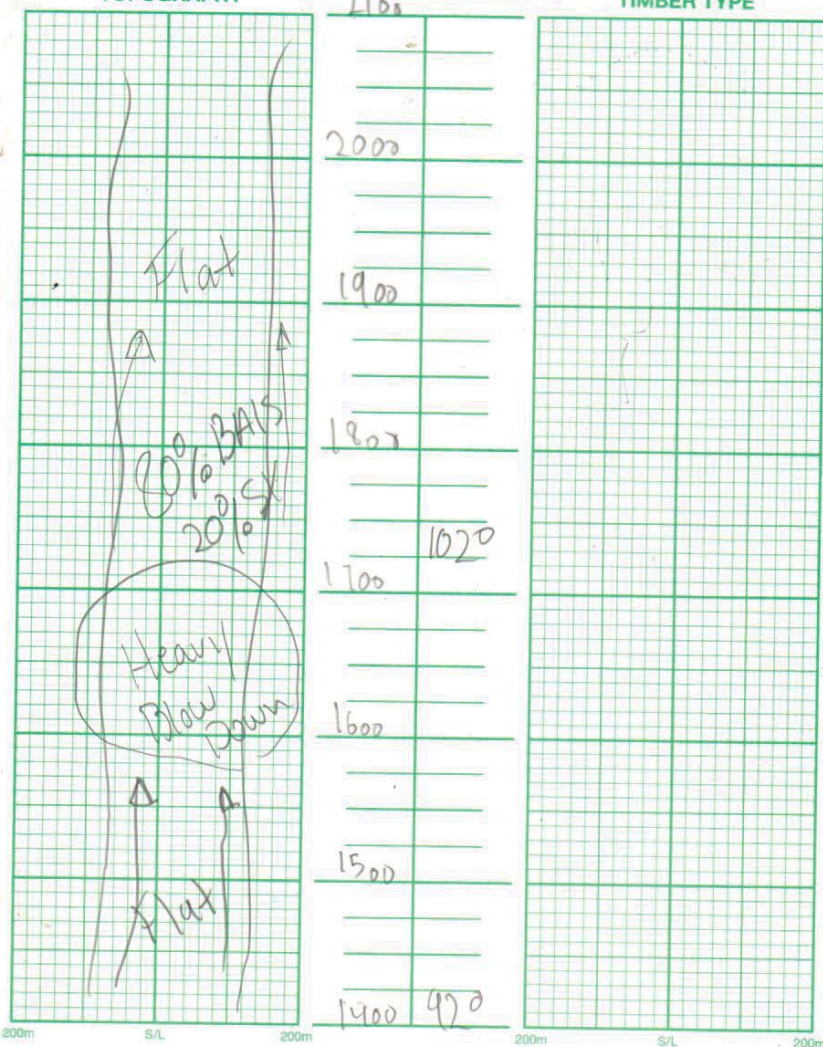


www.irisupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No. 1
2100

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 920

START STRIP: 1400 - 2100

JOB NO.: MIS-032 DATE: Jan 25, 16

CREW: Pat Poirier

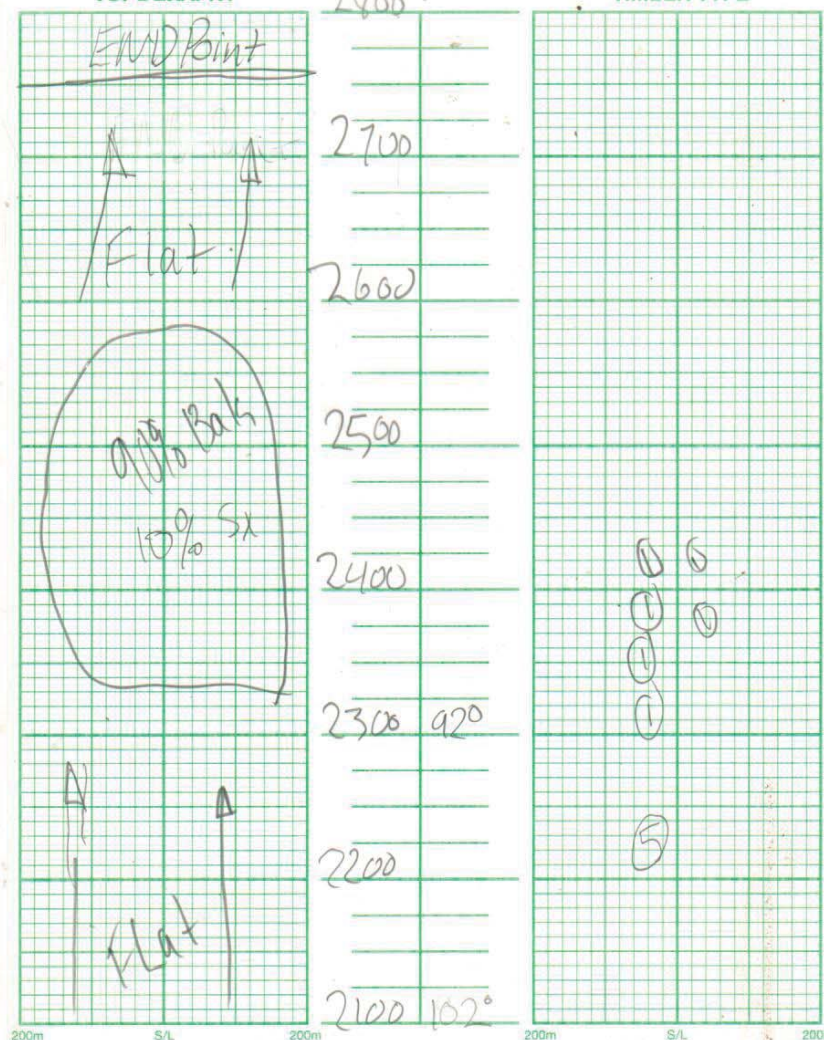
REMARKS:

www.irisupplies.com
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TOPOGRAPHY

STRIP No. 1
2400

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 102, 920, 2760

START STRIP: 2100 - 2800

JOB NO.: MIS-032 DATE: Jan 25, 16

CREW: Pat Poirier

REMARKS:

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