

**SENECA ENTERPRISES LTD.**

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**SPRUCE BARK BEETLE REPORT
FH17DPG218**

POLYGON: MLMCF-02

HECTARES:

16.3

WALKTHROUGH DISTANCE:

1900

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)

2 10.5%

SUMMARY OF CURRENT INFESTATION

Walkthrough was from Waypoints previously identified. Checked area and walked where only 2 infested pixels with current attack found. Area dominated by older Code 5 attacked trees with many of them flagged with Green pest management flag. Site is within Cross Country ski area where restrictions on Mobile equipment present. Walked 2.1km to site which is bounded to the west by Lost Lake. Site is a spruce Balsam mix with large Diameter spruce present.

LIGHT SCATTERED ATTACK.

ACCESS

Community Forest area located east of Mackenzie off of Lost Lake. Trail from lake accessed site, walked 2.1km from parking lot for xcountry ski.

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

Polygon identified by waypoints given to us of activity. Very steep to the EAST away from Lost Lake. Many of the trees found already flagged with Green Pest Management Flagging, very large spruce, 50/50 Spruce Balsam.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Scattered current attack amongst pockets of old attack. 3 scattered code 1/2 attack, 20 Code 5 older attack throughout.

INCIDENCE AND SEVERITY OF ATTACK

Moderate sanitation rating in area of attack. Large diameter spruce in area, most of the attack older attack. Most of the trees that were flagged were code 5 attacked as well.

RISK OF BEETLE SPREAD

Large diameter spruce that are not hit in polygon, conditions are good for beetles to spread.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Steep slopes and creeks throughout site would make for difficult operations. Also limits with ski trails and lake

RECOMMENDATIONS**OPTION 1****FALL AND BURN/ TRAP TREES**

Select fall and burn of infested trees, probe area to find trees. Alternatively could do trap trees, from walkthrough time is available as most attack code 1 on a 2 year cycle.

OPTION 2**MONITOR**

Monitor and schedule walkthrough 2017

MLMCF-2 Lost Lake

16.3 Hectares

Legend

-  Code 1-4 Attack
-  Code 5-6 Attack
-  Crew Tracks
-  GPS Stn. -
-  MLMCF-2

Lost Lake

X-Country Ski Trail

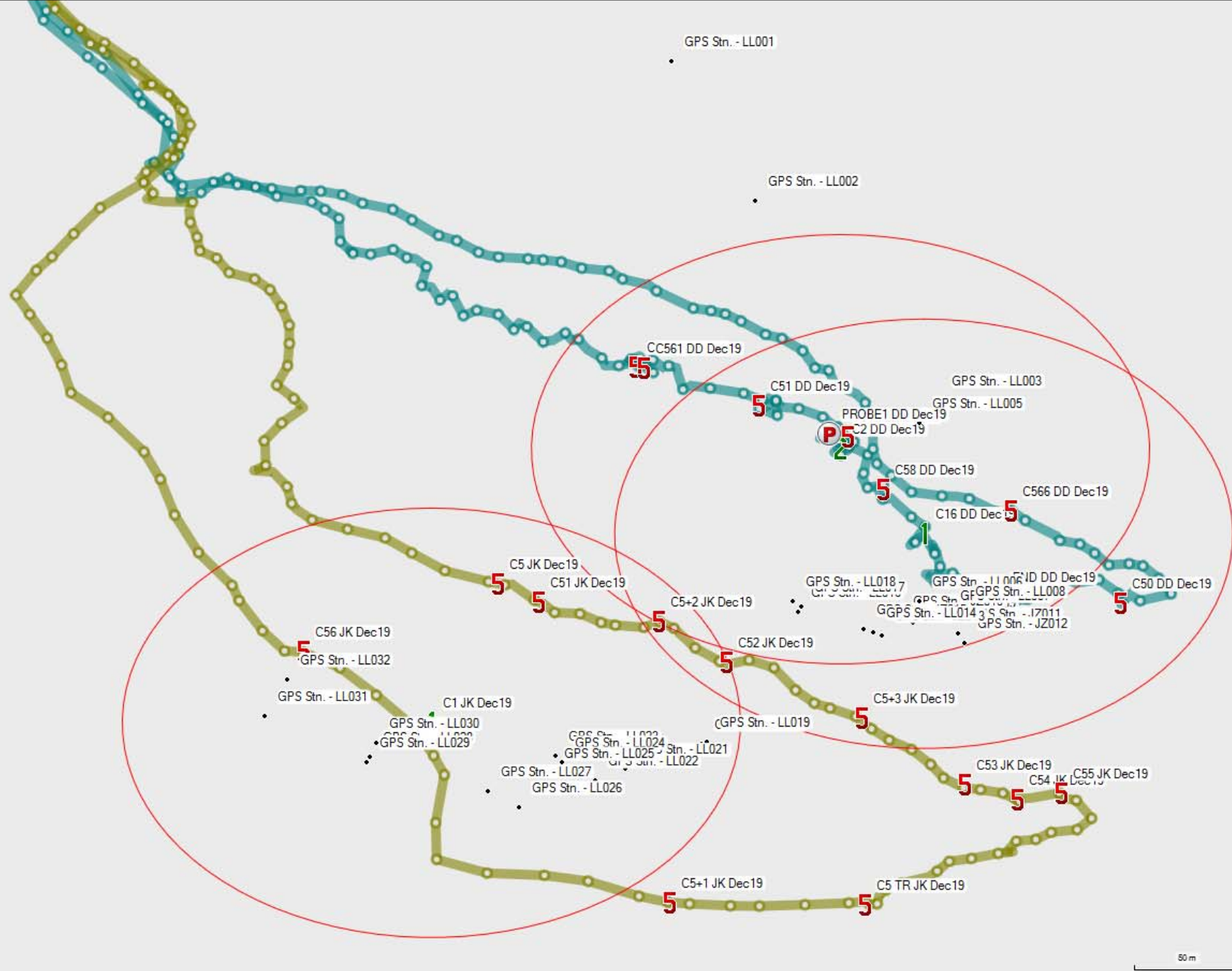
Google earth

Image © 2016 DigitalGlobe

© 2016 Google

N

200 m



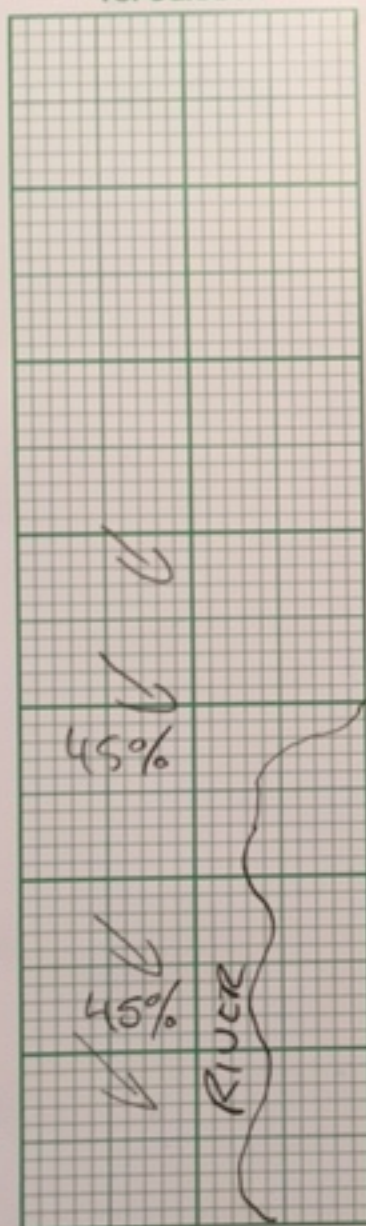
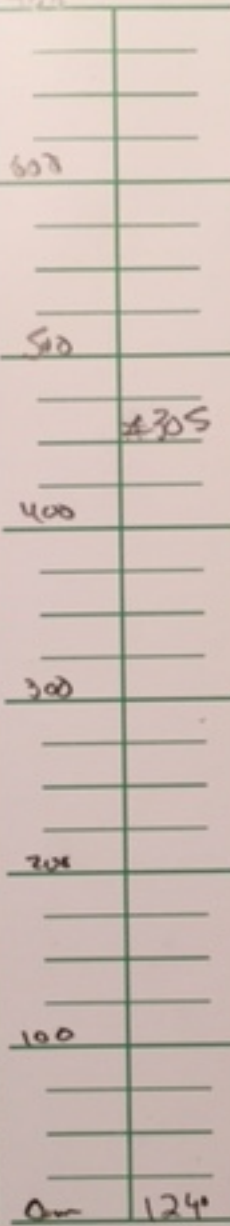
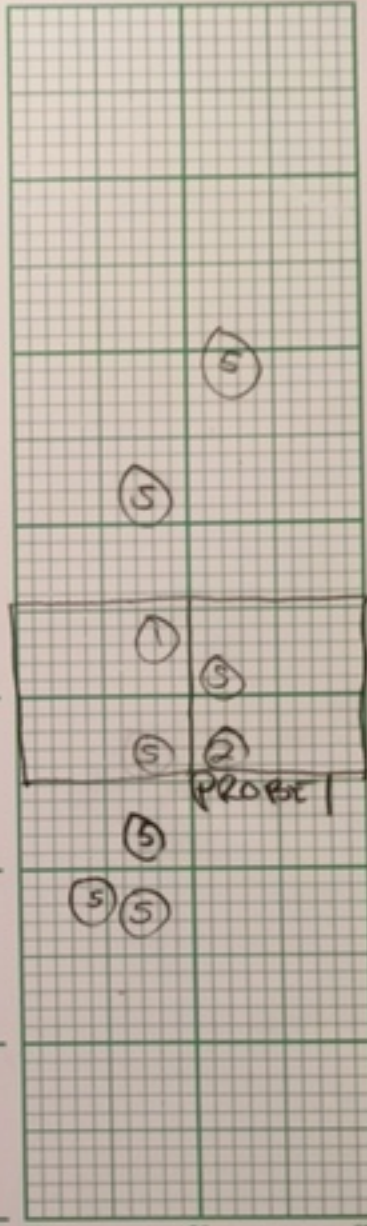
SPRUCE BEETLE PROBE CARD

LOCATION MLMCF-2				PAGE				OF			
BEARING 140°				DISTANCE 100 m				STRIP WIDTH 10 m			
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			
17.5 - 25.0	3.3									B1	
25.1 - 30.0	5.3									22	
30.1 - 35.0	7.1									22	
35.1 - 40.0	9.4									22	
40.1 - 45.0	11.6			0						22	
45.1 - 50.0	13.8									22	
50.1 - 55.0	16.2							2			
55.1 - 60.0	18.7										
60.1 +	25.3										
TOTALS			12	1	1			2		19	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN					
						Attacked	Unattacked				
U	2	/	1	/	/						
W	2	/	/	/	/						
COMMENTS 0 = BS - LARGE SX, LOW SPH IN PROBE											
CREW NAMES JAMES KELLY						DATE Y M D 16 12 19					

TOPOGRAPHY

STRIP No. 723

TIMBER TYPE



STRIP NO.:

DIRECTION:

124°, 305°

START STRIP:

JOB NO.:

MLMCF-2

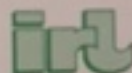
DATE:

DEC 19 / 2016

CREW:

JAMES / DARRYL

REMARKS:



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

TOPOGRAPHY

TIMBER TYPE

END

900

800

700

STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

JOB NO.: _____ DATE: _____

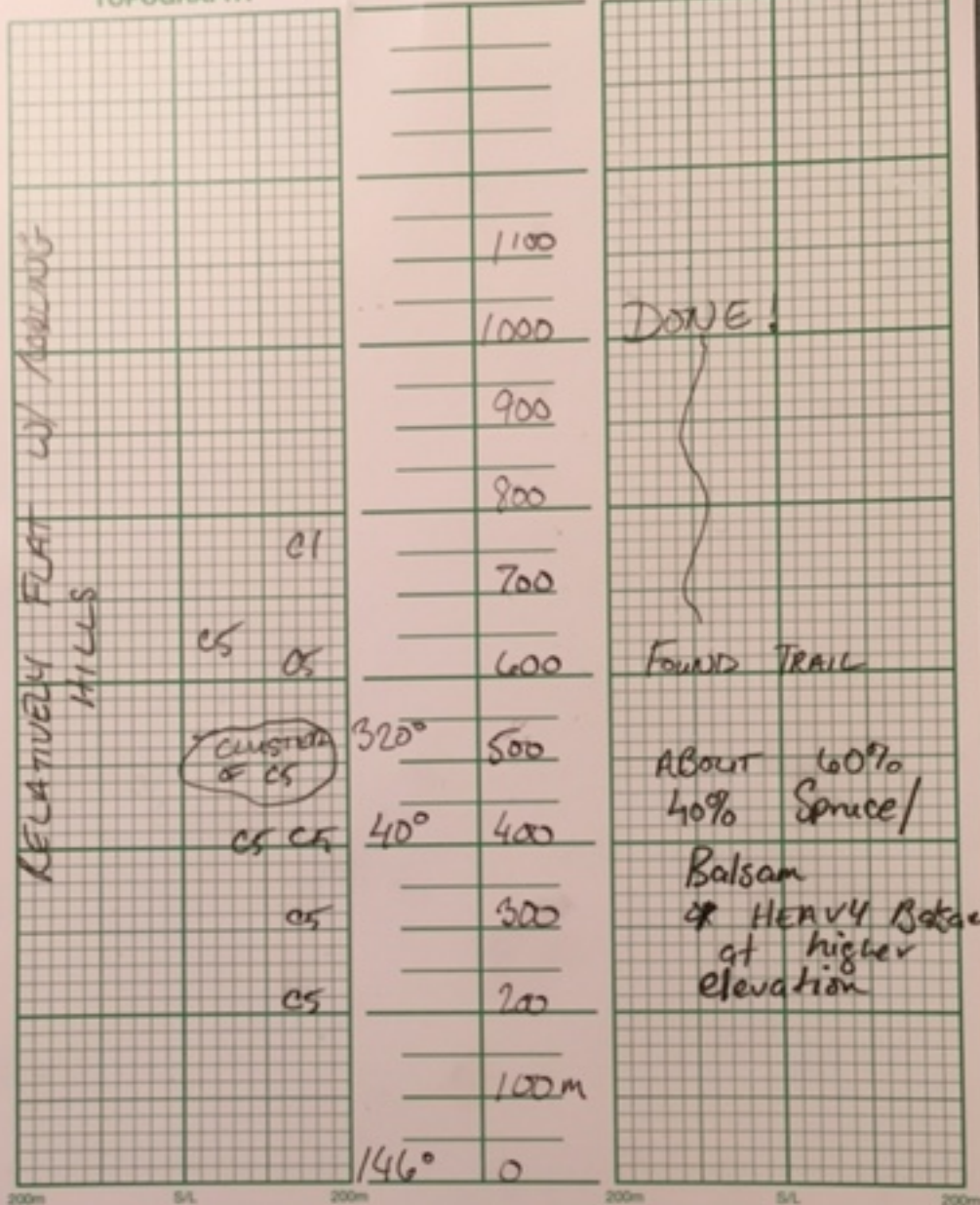
CREW: _____ ☐ ☐REMARKS: _____ www.ifsupplies.com
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www.itsupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No. _____

TIMBER TYPE



STRIP NO.: _____

DIRECTION: _____

START STRIP: _____

JOB NO.: _____

DATE: _____

CREW: _____

REMARKS: _____

1

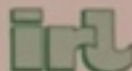
146°

1

DEC 19 2016

Daryl D., JAMES K

LOTS OF OLD ATTACK



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