

**SENECA ENTERPRISES LTD.**

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**SPRUCE BARK BEETLE REPORT
FH17DPG218**

POLYGON: 2016-MIS-063

HECTARES:

25

WALKTHROUGH DISTANCE:

1900

ESTIMATED INFESTED PIXELS FROM

WALKTHROUGH (Code 1-4)

0

0.0%

SUMMARY OF CURRENT INFESTATION

No probe lines established, no current or old attack noticed along lines. Polygon is adjacent to powerlines in the west and has polygon MIS-0064 to the east which has light scattered code 3 attack. Minimal risk.

NO CURRENT ATTACK

ACCESS

Located off Kennedy Siding Road and on other side of railway crossing.

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

Fairly flat bounded by powerlines to the west, bounded in the east by Polygon MIS-0064. Areas of Heavy Aspen, Spruce 50% Balsam 50%.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Polygon 25 hectares and did not notice any new or old attack along probe lines.

INCIDENCE AND SEVERITY OF ATTACK

No current or old attack

RISK OF BEETLE SPREAD

Fairly open stand alongside powerlines, is some code 3 attack in adjacent polygon MIS-0064. The attack noticed is towards the south and west of that polygon

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access, adjacent to powerline where can access north to south.

RECOMMENDATIONS**OPTION 1****NO ACTION****No Recent attack****OPTION 2**

Summary					
2016-MIS-063	25	METERS WALKED	1900	% TRAVERSED	7.6%
PIXELS COVERED BY WALKTHROUGH	19	INFESTED PIXELS	0	ESTIMATED % OF BLOCK INFESTED (From Walk through)	0.0%

TABLE 5- Spruce Beetle Infestation Summary Sheet

OF NOTE- Results taken from a 100m Probe Line established at 1 per 50 hectares to represent

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			2015		2014		2013		
			1	2	3	4	5	6	
17.5-25.0	3.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
25.1-30.0	5.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
30.1-35.0	7.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0
35.1-40.0	9.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0
40.1-45.0	11.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0
45.1-50.0	13.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0
50.1-55.0	16.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0
55.1-60.0	18.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0
60.1 +	25.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTALS	0.0	0	0.0	0	0.0	0.0	0.0	0	0

TABLE 4- Spruce Beetle Attack Density and Larval Density Rating			
MEAN NO. OF ENTRANCE HOLES PER 225 cm2 PHLOEM SAMPLE	< 1 LOW Attack Density 1.0- 1.9 MOD Attack Density 2.0 - 3.9 HIGH Attack Density 0.00 < 3.9 SEVERE Attack Density	MEAN NO. OF LIVING LARVAE PER 225 cm2 PHLOEM SAMPLE	< 4.9 LOW Mean Larval Density 5.0 - 14.9 MOD Mean Larval Density 15-24.9 HIGH Mean Larval Density 0.00 >24.9 EXTREME Mean Larval Density

TABLE 2- Spruce Beetle Management Options after Walkthrough			
% 2015 ATTACK	0.0%	0.0	SANITATION AND SALVAGE HARVEST PRIORITY RATING
% 2014 ATTACK	0.0%	##	
% 2013 ATTACK	0.0%	##	
% HOST IN STAND	0.0%	##	
			0.0

SUMMARY OF ALL CARDS
FS1111

NUMBER OF CARDS
0

ACCESS -

Located off Kennedy Siding Road and on other side of railway crossing.

POLYGON FEATURES -

Fairly flat boundaried by powerlines to the west, boundaried in the east by Polygon MIS-0064. Areas of Heavy Aspen, Spruce 50% Balsam 50%.

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES			
			2015		2014		2013					
			1	2	3	4	5	6				
17.5-25.0	3.3	0	0	0	0	0	0	0	0	0		
25.1-30.0	5.3	0	0	0	0	0	0	0	0	0		
30.1-35.0	7.1	0	0	0	0	0	0	0	0	0		
35.1-40.0	9.4	0	0	0	0	0	0	0	0	0		
40.1-45.0	11.6	0	0	0	0	0	0	0	0	0		
45.1-50.0	13.8	0	0	0	0	0	0	0	0	0		
50.1-55.0	16.2	0	0	0	0	0	0	0	0	0		
55.1-60.0	18.7	0	0	0	0	0	0	0	0	0		
60.1 +	25.3	0	0	0	0	0	0	0	0	0		
TOTALS		0	0	0	0	0	0	0	0	0		

BARK SAMPLES 15 cm x 15 cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE ADULTS	NO. CALLOW	FRESH (GREEN) BLOWDOWN		
						Attacked Yr	Yr	Unattacked
0	0	0	0	0	0	0	0	0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

Polygon 25 hectares and did not notice any new or old attack along probe lines.

INCIDENCE AND SEVERITY OF THE INFESTATION

No current or old attack

RISK OF BEETLE SPREAD

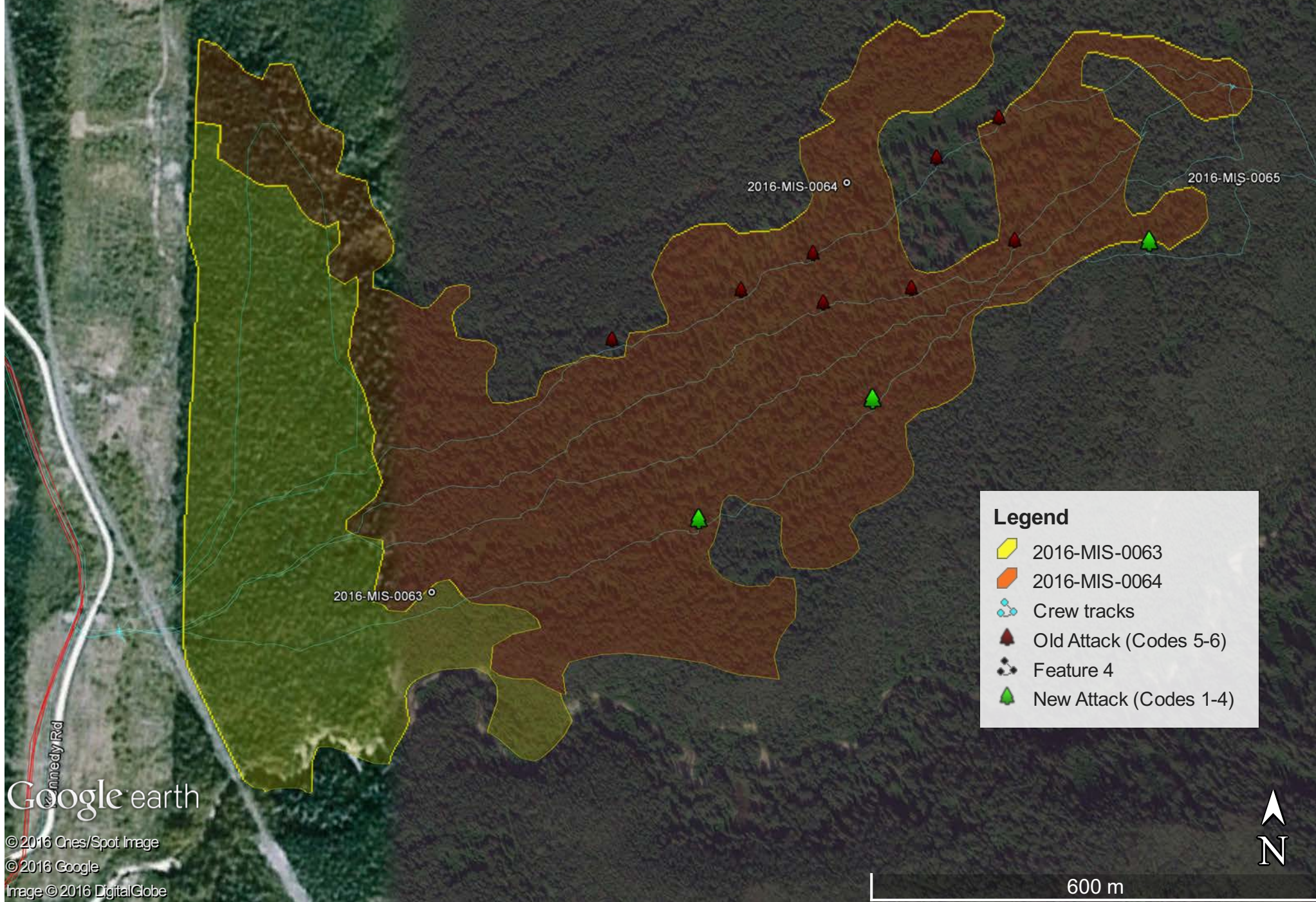
Fairly open stand alongside powerlines, is some code 3 attack in adjacent polygon MIS-0064. The attack noticed is towards the south and west of that polygon

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access, adjacent to powerline where can access north to south.

2016-MIS-063

25.0 Hectares



Google earth

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