

**SENECA ENTERPRISES LTD.**

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**SPRUCE BARK BEETLE REPORT
FH17DPG218**STAR PROBE# **2016-PINS-0002**

625

NUMBER OF CODE 1-4 ATTACK

9PROBE LINE **YES****SUMMARY OF CURRENT INFESTATION****MODERATE ATTACK**

Probe Site PINS-002 had considerable recent attack with 9 trees in recent attack with a mix of both 2016 and 2015 attack. Site is flat and higher elevation (1265m) and has a heavy priority rating from 1 probe line. Site is fairly open, 65% Spruce with large DBH.

ACCESS

Access was able to drive just past Doonan Lake, than ATV on old cutblock road 1.6km (very rough), than walk 385m @ 98 degrees

SITE FEATURES

(Topography, Terrain, Timber Types, Age)

Just past Doonan Lake, flat, open stand

SIZE, BOUNDARY and PATTERN OF INFESTATION

Fairly concentrated attack, both 2015 and 2016 attack found within site, isolated site with no other sites in immediate area.

INCIDENCE AND SEVERITY OF ATTACK

Likely moderate attack density and larval density as one probe line established capturing mainly 2015 attack. Sanitation priority is high mainly due to the large DBH spruce from probe line.

RISK OF BEETLE SPREAD and SURROUNDING SITES

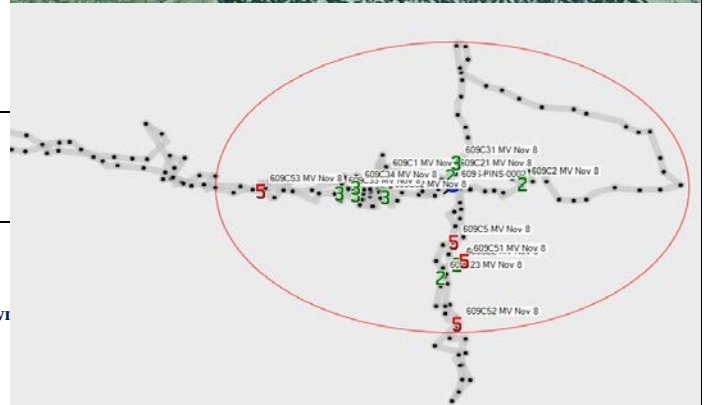
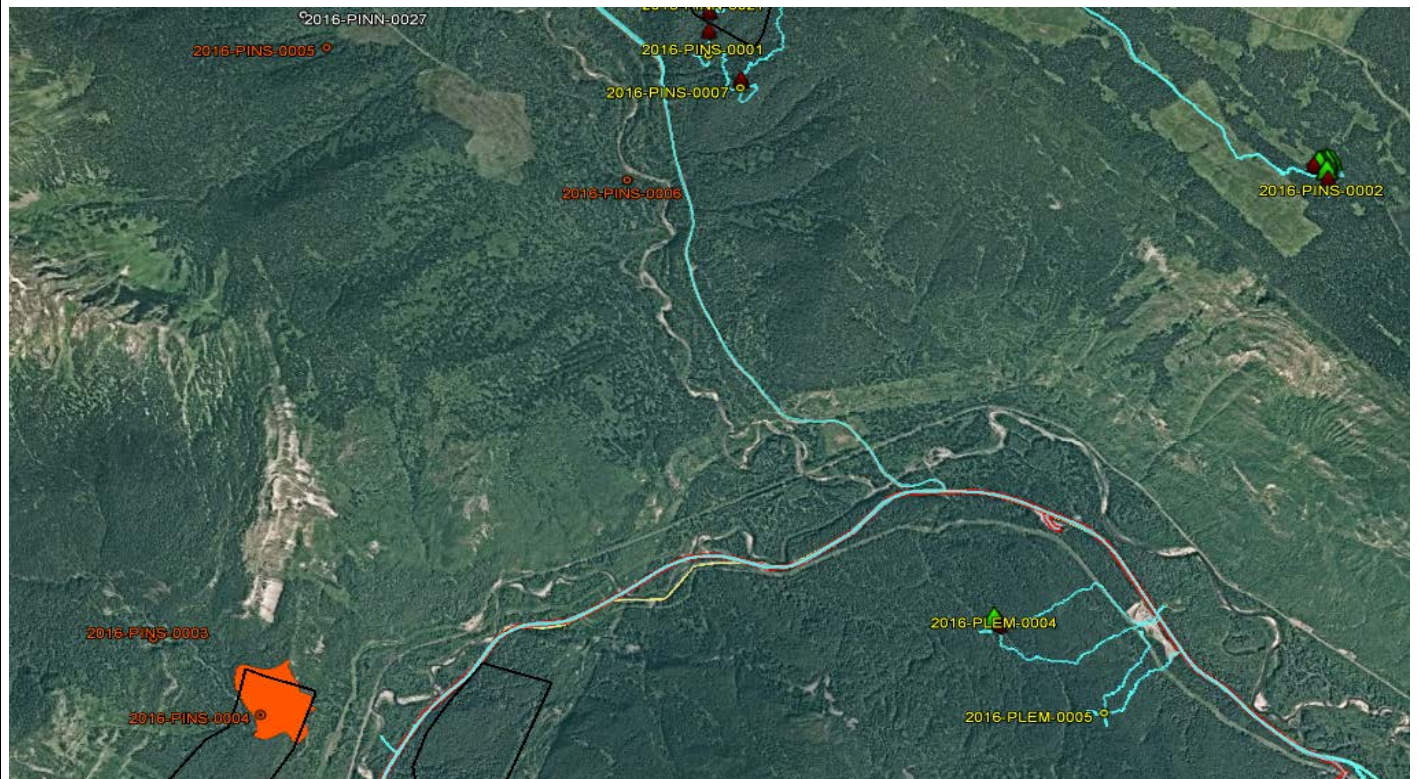
Moderate to heavy attack, isolated site with good chances to move. Nearing the edge of the Northeast District and furthest east accessible site in Mackenzie District.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

Access as isolated, ATV 1.6KM on rough road, walk in 385m. Flat drier site, elev 1285m. Site is just north of Simpson Lake.

RECOMMENDATIONS**OPTION 1****TRAP TREES/ BAIITS**

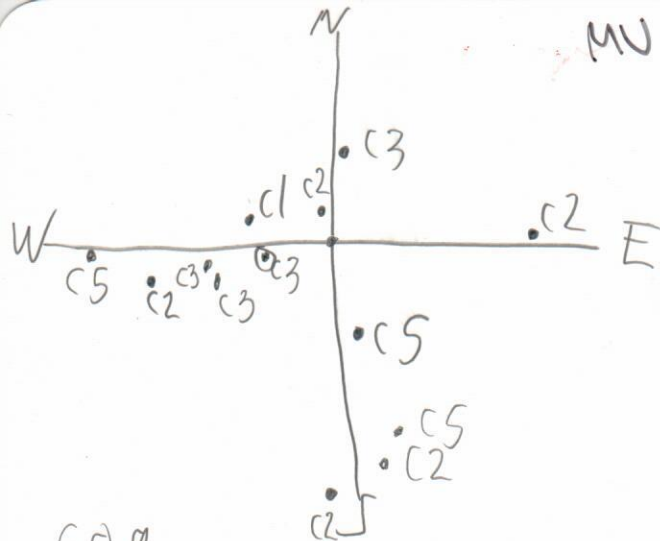
As isolated, and on the edge of Mackenzie District, a trap tree trail following in line probes walked in to center of polygon would be beneficial. Isolated site, could lay down trees and schedule burning in winter 2017. Alternatively, a fall and burn treatment would be helpful as well with a couple of healthy trees laid down as trap trees. Again isolated site on edge of boundary to Northeast District. If beetle moves or has moved, become more challenging with access.



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MV - Nov

SPRUCE BEETLE PROBE CARD



609
sample tree

LOCATION 609		PAGE OF							
BEARING 270 W		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								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		15		4		1		3	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN			
						Attacked	Unattacked		
N	7		9						
S	4		8		1				
COMMENTS									
CREW NAMES Matti Videgain Megan Anstey						DATE Y M D 16 11 08			