

**SENECA ENTERPRISES LTD.**

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SPRUCE BARK BEETLE REPORT

FH17DPG218

STAR PROBE# **2016-PHI-0166**

275

NUMBER OF CODE 1-4 ATTACK

1PROBE LINE **YES****SUMMARY OF CURRENT INFESTATION****LIGHT ATTACK**

Grouping of sites PHI-0166, 0167, 0168, 0171 and 0172. All sites south of road, sites 0171 and 0172 edge of cutblock just off mainline with one strip attack code 2 in site 0172 Site 0171 had some unsuccessful attack (Pitchouts). Further southwest, Site 0166 (1 Code 3 Attack) Site 0168 (2 Code 3, 3 Code 5 older Attack). These sites also with light scattered attack, no real risk of spread with light sanitation ratings. (<200)

ACCESS

From truck, walk 100m to sites 0171-0172 beside cutblock. Sites 0166, 0167 and 0168 walk south 900m to 1.6km.

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

Sites 0171 and 0172 adjacent to cutblock. Flat sites, 70% Spruce, 30% Balsam. Sites 166, 167 and 168 are Balsam, Pine Spruce stands, with Spruce 30% of stand. Open stands, flat 0-10% slopes.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Light scattered attack in and around all sites. Sites 0171, 0172 had one strip attack, and some pitchouts. Sites 0166, 0167, 0168 has 3 code 3 attack (Flight 2017) and 3 code 5 old attack.

INCIDENCE AND SEVERITY OF ATTACK

Light scattered attack in and around all sites. Sites 0171, 0172 had one strip attack, and some pitchouts. Sites 0166, 0167, 0168 has 3 code 3 attack (Flight 2017) and 3 code 5 old attack. Low incidence and severity with light priority rating from 3 probe lines.

RISK OF BEETLE SPREAD and SURROUNDING SITES

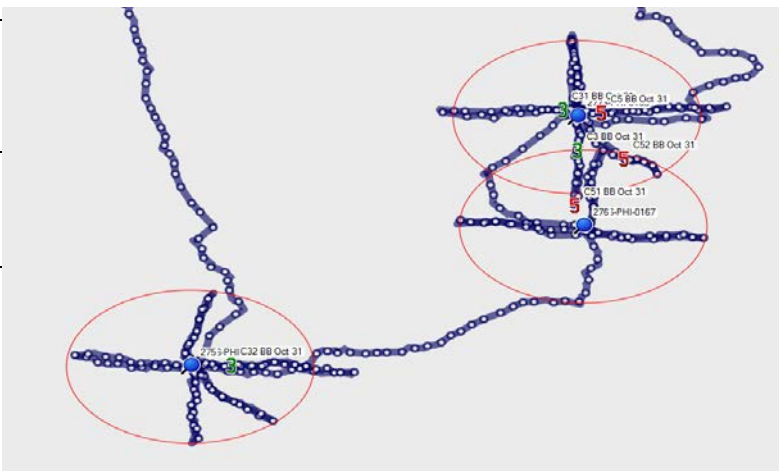
Light sanitation priority rating and attack densities in all sites. Low rate of spread within area as to the south, minimal spruce components

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

From truck, walk 100m to sites 0171-0172 beside cutblock. Sites 0166, 0167 and 0168 walk south 900m to 1.6km, flat with slopes 0-10%. A few small drainages to cross with access.

RECOMMENDATIONS**OPTION 1****NO ACTION**

Light scattered with very low ratings. Low spruce component so attack will be concentrated if flight to a few trees. Poor access with light priority rating. Could fall and burn single trees if time permits as will be flight in 2017 representd by callow adults. But lower attack densities. Monitor area, walkthrough 2017

OPTION 1**MONITOR**

OCT 31st

275

BB

Attack - one C3

Access - 1.6 Km South
of Road.

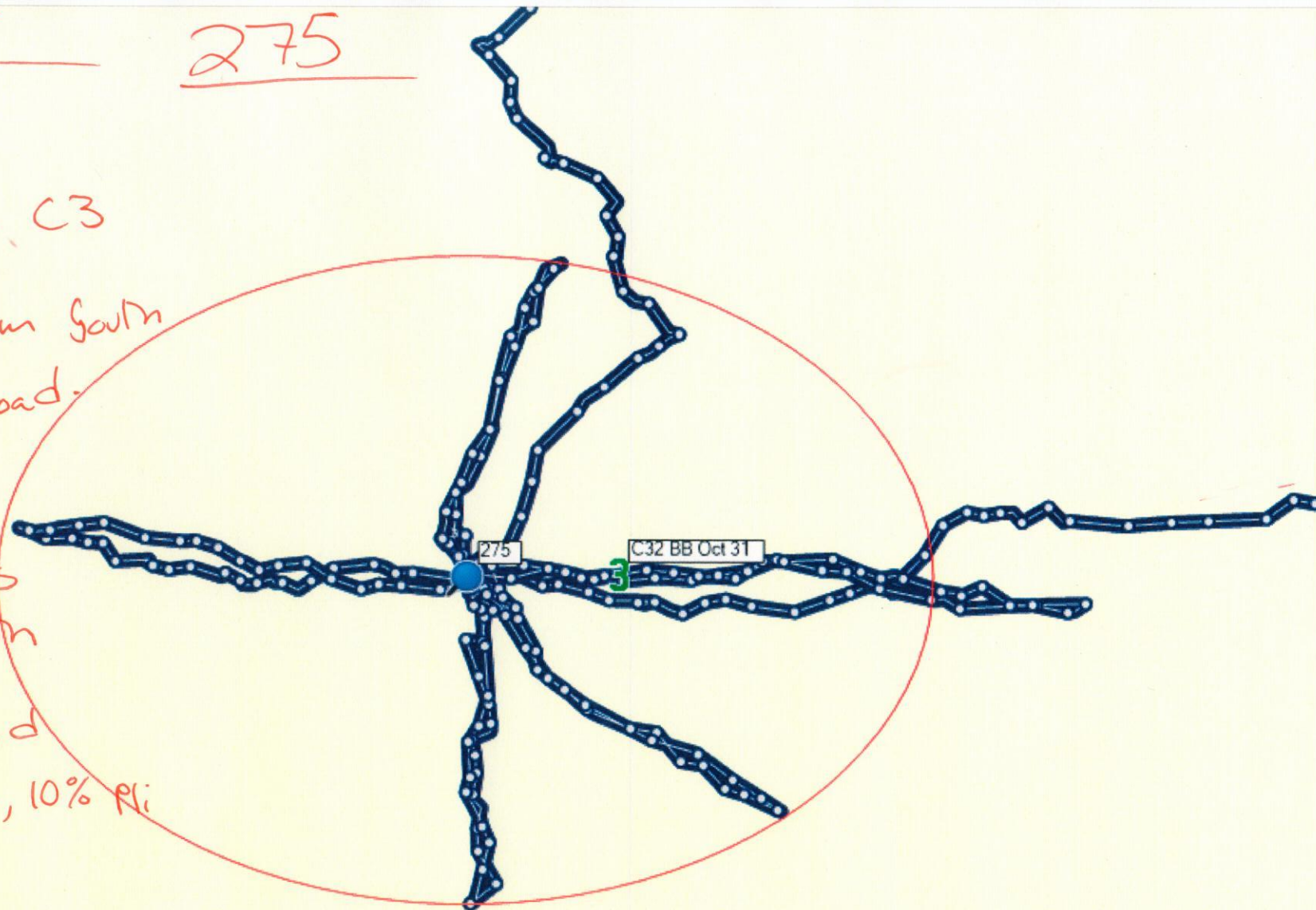
Features -

Slope rises
to the South

0-10%

Open stand

70% Bl, 20% Sk, 10% Rli



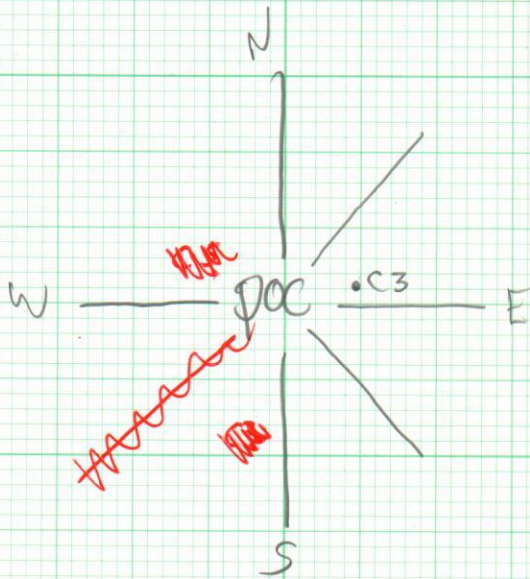
50 m

overzoom

55 10 892

123 22 565

(275)



10% pine
70% Balsam
20% spruce

rocky slope to the East
creek bed running N
probe East

Blake B

Oct 31/16

SPRUCE BEETLE PROBE CARD

LOCATION 275		PAGE 1 OF 1	
BEARING 90°		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		
17.5 - 25.0	3.3									Balsam
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		8			1					15

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		2		4		
S	2		3		1		

COMMENTS **①: BS**
- open stand

CREW NAMES Blake B	DATE Y 16 M 10 D 31
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