

**SENECA ENTERPRISES LTD.**

PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3
Phone: (250) 561-0890, Fax: (250) 564-3275

**SPRUCE BARK BEETLE REPORT
FH17DPG218**STAR PROBE# **2016-PHI-0047****125**

NUMBER OF CODE 1-4 ATTACK

6PROBE LINE **YES****SUMMARY OF CURRENT INFESTATION****MODERATE ATTACK**

Site is isolated and looks to be a leading edge of attack heading north. Other sites further north were inaccessible. This site also with difficult access as walked 1.3km from end of ATV. Moderate attack with 1-C1, 5 C3's, and 5 C5 older attack. Old plantation located 400m to the south. Some Larger DBH spruce made site ideal for beetle attack. Has moderate risk of spread further north with beetle flying 2017, light sanitation rating from one probe line.

ACCESS

From quad, walk 1.3km at 20 degrees, there is maybe alternative access 400m, to the south of site through old plantation.

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

Open stand with larger DBH spruce, 60% Spruce 40% Balsam/

SIZE, BOUNDARY and PATTERN OF INFESTATION

One C1, 5 Code 3 attacked trees, walked in from south where no attack noticed. Attack isolated within site

INCIDENCE AND SEVERITY OF ATTACK

Light sanitation rating, dense stand with moderate attack, code 1 and code 3 attacked trees. Older attack in site, nothing noticed on walk from south sites, couldn't access further sites to the north.

RISK OF BEETLE SPREAD and SURROUNDING SITES

Good chance of spread. Poor access site and could spread out from center. Beetle has attacked large DBH trees and seems stands around don't have as many larger DBH Spruce.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

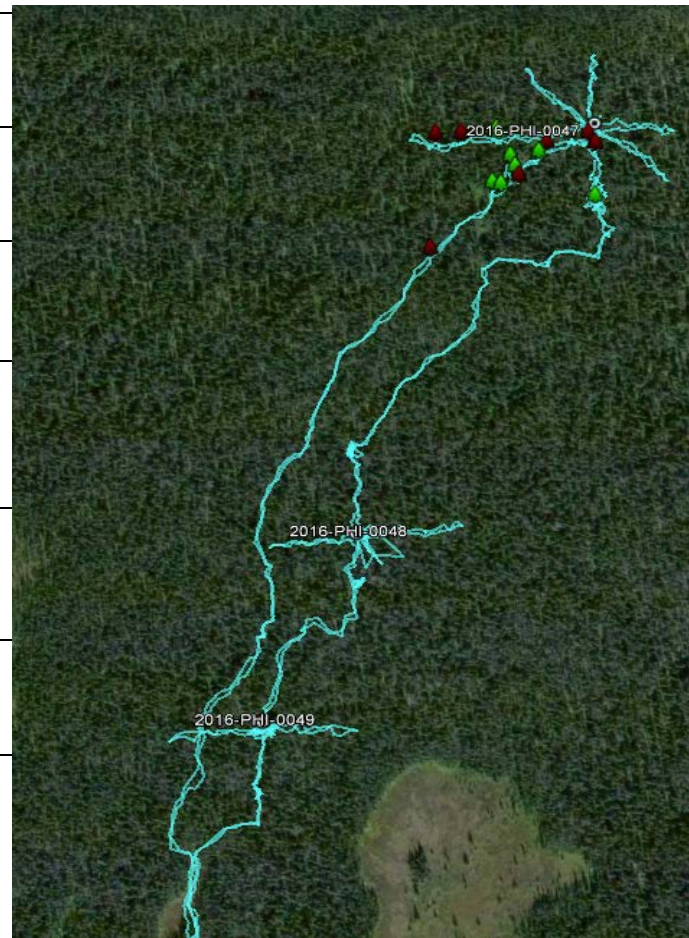
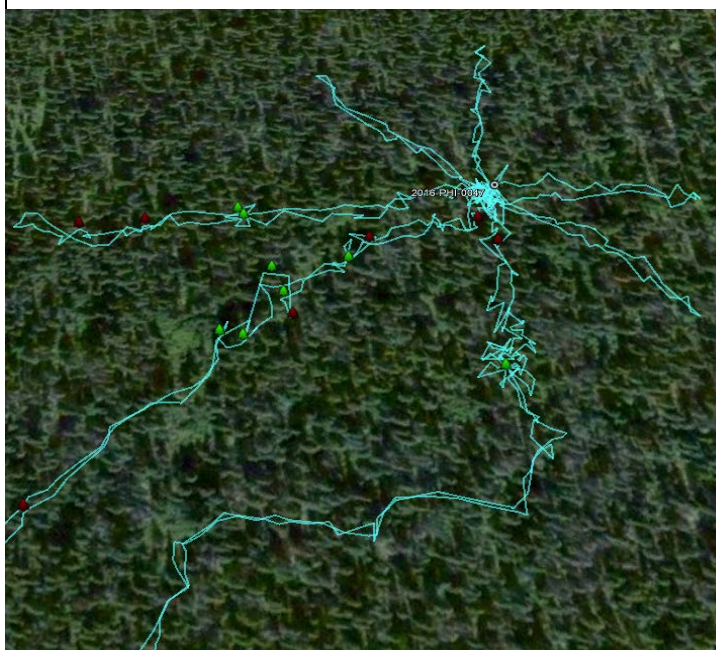
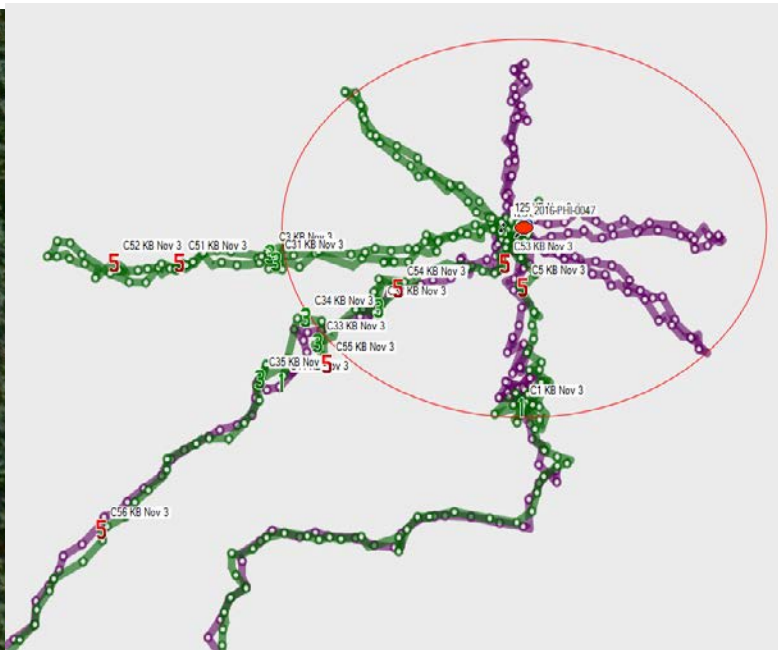
From ATV, walk 1.3km, slope rises as you walk north 0-15%. Old plantation located 400m to the south of site.

RECOMMENDATIONS**OPTION 1 NO ACTION**

Moderate attack, however with poor access and light sanitation priority rating, recommend leaving site and monitoring. Alternatively could perhaps set up some Baits if want to see extent of beetle as will fly in 2017

OPTION 2 BAITS

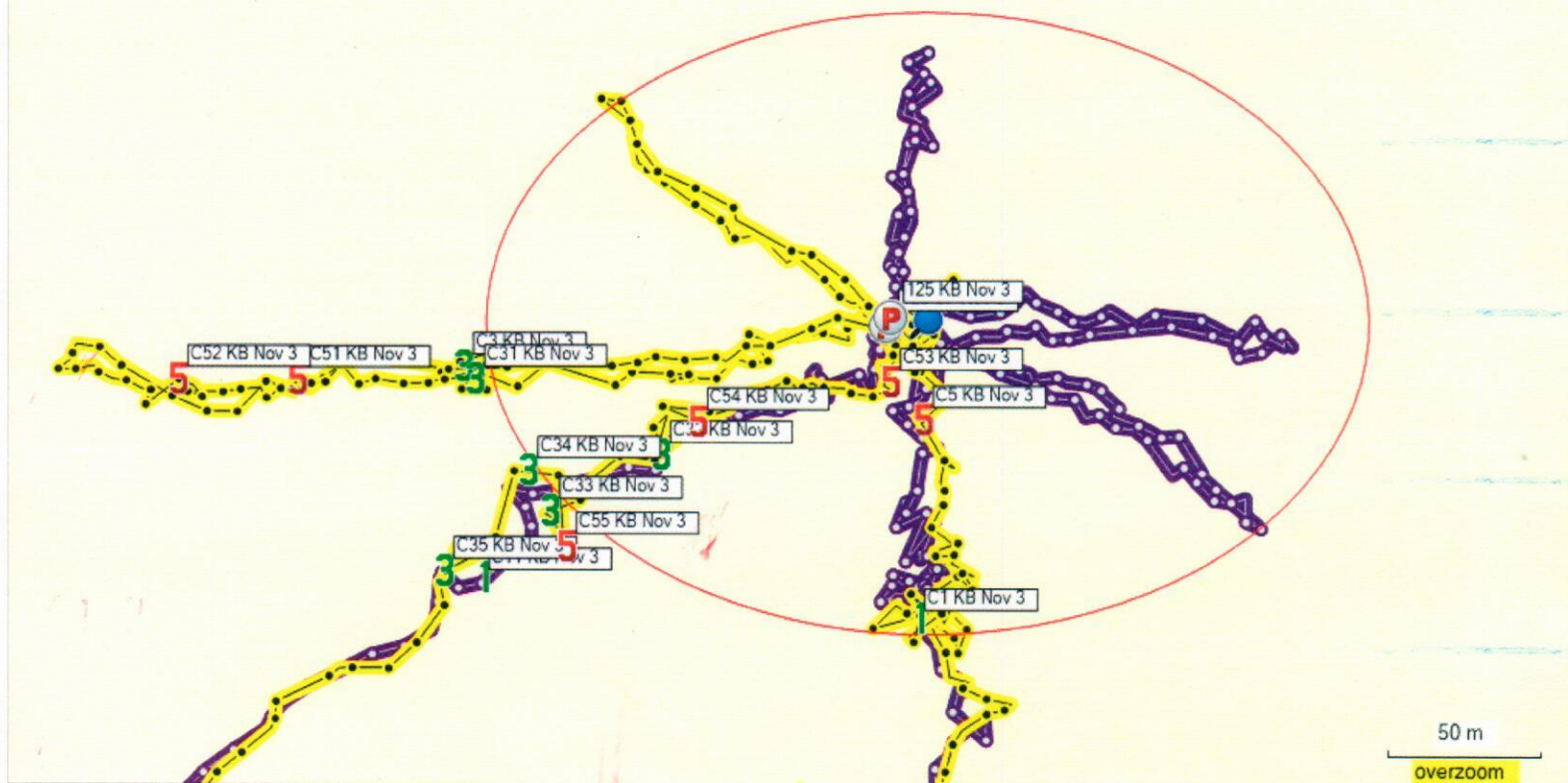
As access in spring will be better, schedule Baits to be placed in site early May



Nov 3

125

KB, CF



Attack - One C1
Five C3's
Six C5's

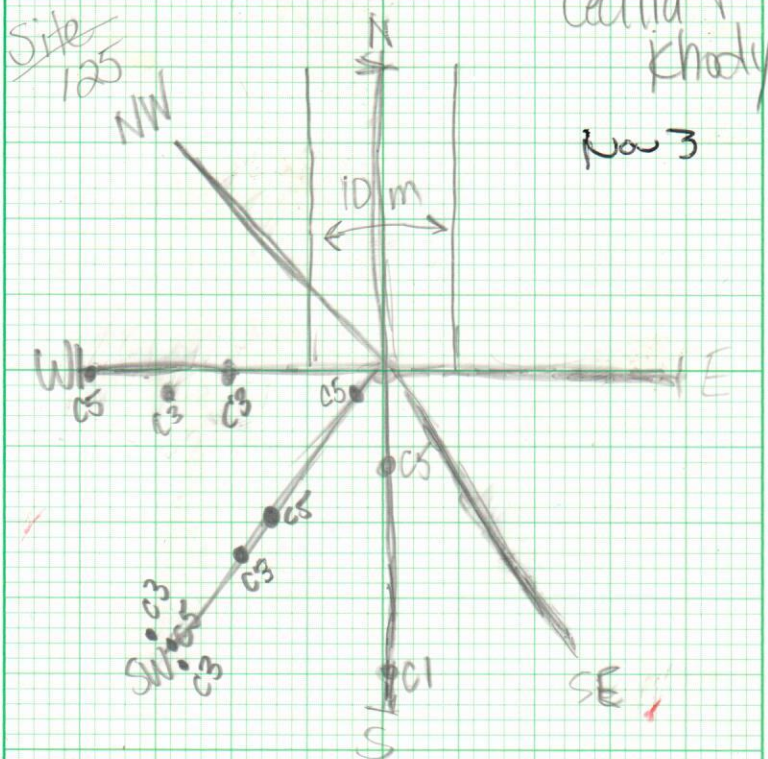
Access - From quad, walk 1.3km @ 20°
The slope rises as you walk
north 0-15%. Old plantation located
400m to the south of site.

Features - open stand. Mix is 60% Sx
40% Bl. Some large Sx in site.

~~Site~~
125

Cecilia +
Khady

Nov 3



point of centre Du 0468959
6096427

SE line 100m

SW fine 100 m

South line extended 190m

West line extended to 200 m

NW line 100m

METRIC FIELD

SPRUCE BEETLE PROBE CARD

LOCATION 125		PAGE OF							
BEARING 180°		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								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		20	1					1	18
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN			
						Attacked	Unattacked		
5	6		••						
N	7		••						
COMMENTS • Bark Sample									
CREW NAMES Cecilia + Khody						DATE Y M D 16 11 03			