



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-MIS-0107**

632

NUMBER OF CODE 1-4 ATTACK

2

PROBE LINE **YES**

SUMMARY OF CURRENT INFESTATION

Site is on edge of lake at base of large mountain. To the east, slope increases and site is located between before PINE-001 and MIS-002. These sites have similar findings, with attacked trees both Code 1 and 3 attack and are accessed passing this site. Mean Larval and attack densities and 1 probe line determined a high Priority sanitation rating, lots of uninfected Spruce in site

MODERATE ATTACK

ACCESS

Access from truck walk 185m at 80 degrees

SITE FEATURES

(Topography, Terrain, Timber Types, Age)

Njo Major slope, West line at 80m is swamp, Spruce 75%, Balsam 25%

SIZE, BOUNDARY and PATTERN OF INFESTATION

Fairly concentrated attack with hits all occurring around Node point center. Walked around attacked area and no other trees noticed. Further South along road, PINE-0001 and MIS-0108 had similar findings

INCIDENCE AND SEVERITY OF ATTACK

Moderate Larval density and sample tree was 2- Code 1 attack. Attack density moderate with Heavy Sanitation priority rating, (Large DBH Spruce)

RISK OF BEETLE SPREAD and SURROUNDING SITES

Moderate to heavy attack, isolated sites with good chances to move further east or south.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

No major slopes, to the northeast slope 0-50%, located with good access along lake.

RECOMMENDATIONS

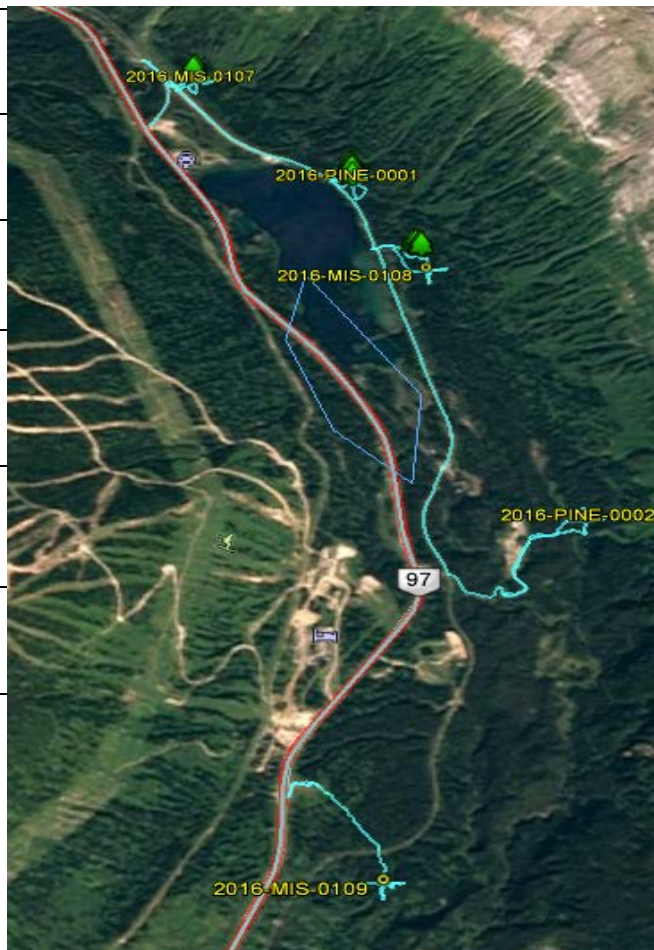
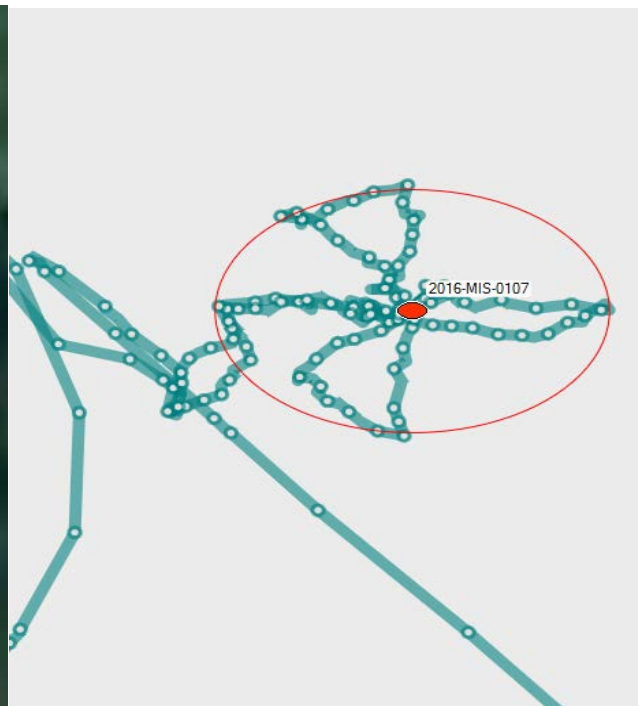
OPTION 1

TRAP TREES/ FALL AND BURN

Site has a high priority Sanitation rating from 1 probe line. MIS-0108, MIS-0107 and PINE-0001 should be treated simultaneously. As they have good access and relatively flat, a trap tree trail should be added to minimize the flight as there are both Code 1 and 3 attack and one tree had beetle on a 1 year cycle. Alternatively, could fall and burn siteS- 10 trees, centered at node centers

OPTION 2

HARVEST





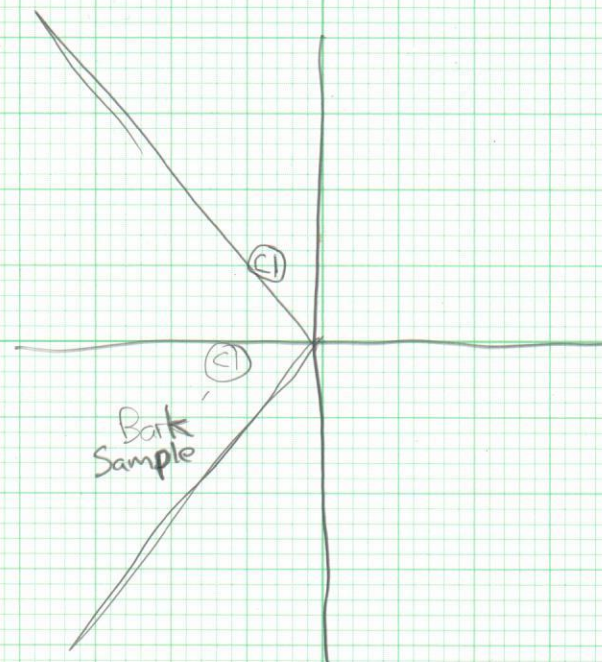
BRITISH
COLUMBIA



BEETLE PROBE CARD

LOCATION 632 west		ELEVATION	LATITUDE 1000523788		PAGE 6139359	OF					
BEARING 270° west	STRIP LINE NO	STRIP WIDTH 10m	DISTANCE 100m	BEETLE SPECIES ☒ SB ☐ MPB ☐ DFB							
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	MAIN	OTHER	
12.5 - 17.4	2.0										
17.5 - 25.0	3.3										
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		26	1						5		
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN					
						Attacked	Unattacked				
North											
South											
COMMENTS incomplete line, no trees past 80m (C)											
CREW NAMES Aaron Colebank						DATE 2016 11 09					

FS 1111A RPG 00/02 7530881049 (100/bdl)



Access - Walk from truck @ **1000523457**
61393549

632 Plot Centre - 1000523788
6139359

Aaron Colebank Nov 9th, 2016

West line hits swamp @ 80m flat

METRIC FIELD