

**SENECA ENTERPRISES LTD.**

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**SPRUCE BARK BEETLE REPORT
FH16DMK010**

POLYGON: 2014-BLA-042

HECTARES:

24.02

WALKTHROUGH DISTANCE:

1550

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)

5 32.3%

SUMMARY OF CURRENT INFESTATION

Walkthrough shows 32% of Polygon with stacked Pixels. This area is concentrated in 2 areas of attack and has infestation on both a 1 and 2 year cycle.

MODERATE CONCENTRATED ATTACK**ACCESS**

Access is from the west along Finlay Mainline and then by ATV for 2km to edge of Polygon.

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

Polygon has drainages running into Williston Lake which is to the East of the Polygon. Relatively flat polygon. Mixed Stand with 60% Spruce with 35cm DBH. Lots of devils club within stand

SIZE, BOUNDARY and PATTERN OF INFESTATION

Infestation is heavily hit in concentrated areas with Code 1 Attack on both a 1 and 2 year cycle.

INCIDENCE AND SEVERITY OF ATTACK

From one probe line, attack is showing a high attack density with a moderate Larval density. However many of the trees are showing signs of a 1 and 2 year attack cycle.

RISK OF BEETLE SPREAD

Within polygon, attack is of a moderate intensity and will continue to develop. To the east is Williston Lake.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Goos access from Finlay Main on good ATV (Old Road) close to the Polygon. Relatively Flat, large spruce with average DBH 35cm

RECOMMENDATIONS**OPTION 1****CRUISING/ HARVEST**

Very High Sanitation and Salvage rating from 1 Probe Line established in a heavily hit area, Estimate from Walkthrough is 32% of Polygon infested and can be access off of Finlay Main on older road 2km. (7-8 hectares)

OPTION 2**TRAP TREES/ PROBE**

If Harvesting is not an option for this winter, lay trap tree trail to hold infestation and grid probe to better define attack area and intensity. Could also consider Baits as 2km away from Finlay.

2014-BLA-042

SPRUCE BEETLE WALKTHROUGH

Legend

-  MODERATE CONCENTRATED ATTACK
-  PROBE 1

BLA-042 START

077

END

078

BLA-042 P1

PROBE 1

BARK1

Google earth

Image Landsat
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500 m



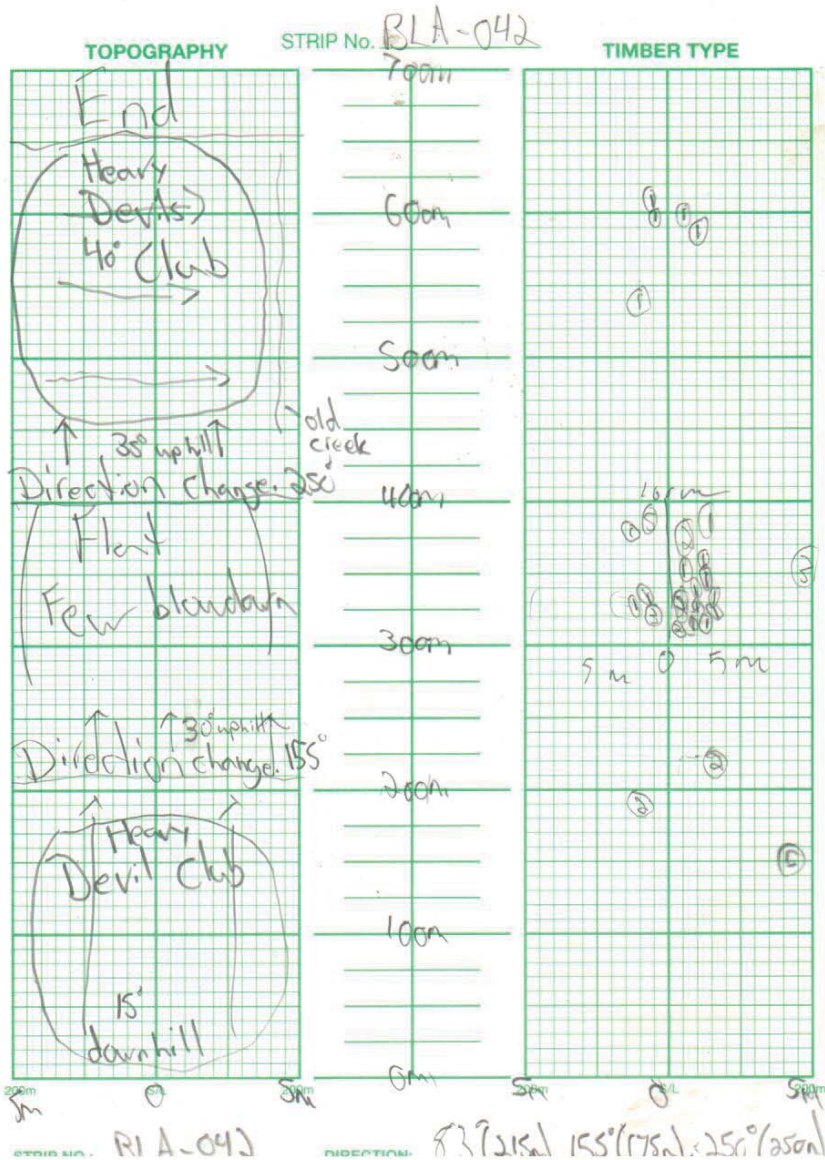
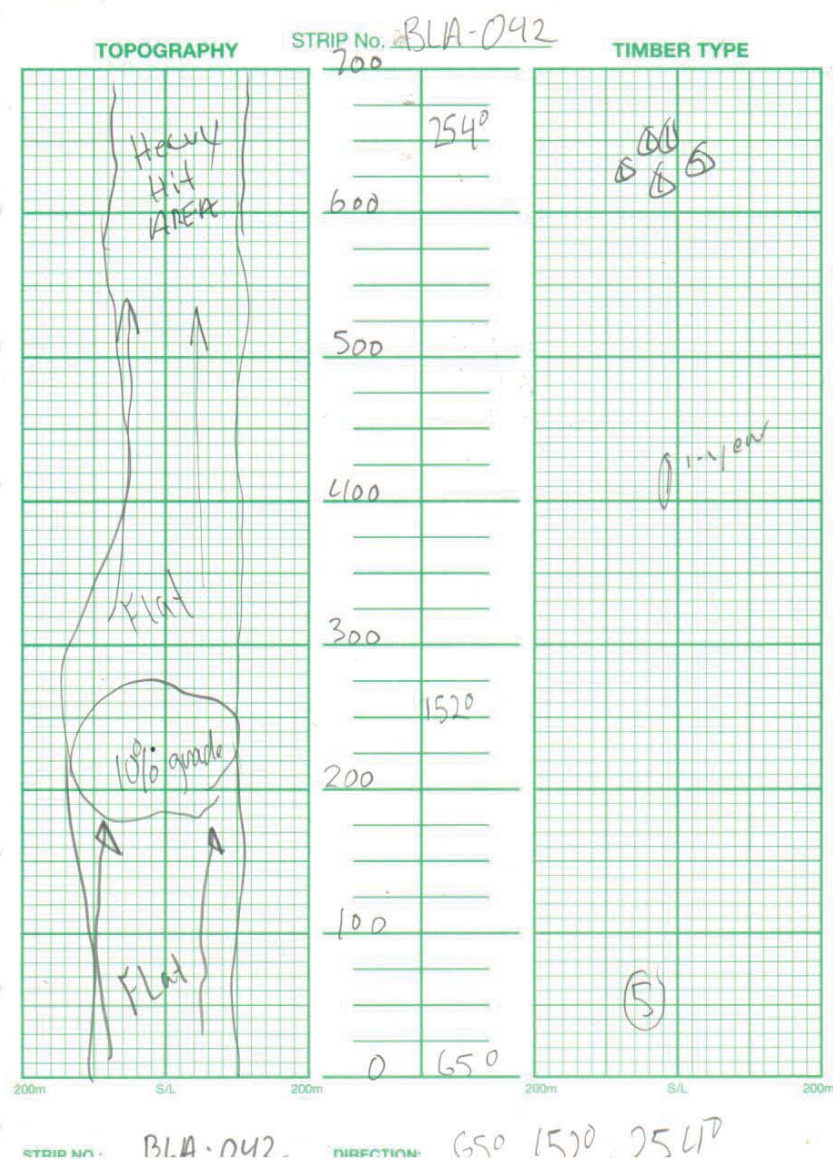
BRITISH
COLUMBIA



BEETLE PROBE CARD

PROBE # 1

LOCATION 0479502 6145134		ELEVATION 704		LATITUDE		PAGE 1		OF 1		
BEARING 190°	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		28	14	4	1		1			
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
1A	3	/	1	/	19					
1B	2	/	4	/	2					
COMMENTS Heavy attack. Majority of attack in 1st & 2nd year cycle.										
CREW NAMES PAT P.						DATE Y M D 15 10 23				



TOPOGRAPHY

STRIP No.

BLA-042

TIMBER TYPE

	1400			
	1300			
	1200			
	1100			
	1000			
	900			
	800	0040		
	700	2450		
	200m	S/L		200m

STRIP NO.:

BLA-042

DIRECTION:

245°, 004°

START STRIP:

700 - 1400

JOB NO.:

Sense/walk

DATE:

Oct 23, 15

CREW:

Pat Poirier

REMARKS:


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 Ph: 1-800-663-6843