

**SENECA ENTERPRISES LTD.**

PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3

Phone: (250) 561-0890, Fax: (250) 564-3275

**SPRUCE BARK BEETLE REPORT
FH16DMK010**

POLYGON: 2014-BLA-041

HECTARES:

9.41

WALKTHROUGH DISTANCE:

500

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)

0 0.0%

SUMMARY OF CURRENT INFESTATION

Walkthrough found 3 old Code 6 attacked trees. Accessed off of old cutblock road, no current attack found.

NO CURRENT ATTACK

ACCESS

Access from the west of Polygon off of the Finlay. Overgrown ATV trail cut into to access unit.

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

Gently sloped polygon on edge of old cutblock. Mix of Spruce pine and Balsam

SIZE, BOUNDARY and PATTERN OF INFESTATION

Small polygon on edge of old cutblock. No current attack found, found a grouping of old strip attacked trees (3-Code 6's)

INCIDENCE AND SEVERITY OF ATTACK

No current attack.

RISK OF BEETLE SPREAD

Minimal, off of old cutblock and steeper slopes

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Access from mainline was by ATV 850m on old cutblock road. Had to cut way in, but old existing road in place.

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

As no current attack noticed, no action required.

OPTION 2**MONITOR**

With some old attack present, may want to schedule another walkthrough 2016 although no noticeable current attack.

2014-BLA-041

SPRUCE BEETLE WALKTHROUGH

Legend

 NO ATTACK

BLA-041-START 


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Google earth

Image Landsat
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500 m

Summary						
2014-BLA-041	HEC	9.41	METERS WALKED	500	% TRAVERSED	5.3%
PIXELS COVERED BY WALKTHROUGH	5	INFESTED PIXELS	0	ESTIMATED % OF BLOCK INFESTED (From Walk through)		0.0%

TABLE 5- Spruce Beetle Infestation Summary Sheet

OF NOTE- Results taken from a 100m Probe Line established at 1 per 50 hectares to represent

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			2015		2014		2013		
			1	2	3	4	5	6	
17.5-25.0	3.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
25.1-30.0	5.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
30.1-35.0	7.1	0	0.0	0.0	0.0	0.0	0.0	0.0	0
35.1-40.0	9.4	0	0.0	0.0	0.0	0.0	0.0	0.0	0
40.1-45.0	11.6	0	0.0	0.0	0.0	0.0	0.0	0.0	0
45.1-50.0	13.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0
50.1-55.0	16.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0
55.1-60.0	18.7	0	0.0	0.0	0.0	0.0	0.0	0.0	0
60.1 +	25.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTALS	0.0	0	0.0	0	0.0	0.0	0.0	0	0

TABLE 4- Spruce Beetle Attack Density and Larval Density Rating

MEAN NO. OF ENTRANCE HOLES PER 225 cm2 PHLOEM SAMPLE	< 1 LOW Attack Density	MEAN NO. OF LIVING LARVAE PER 225 cm2 PHLOEM SAMPLE	< 4.9 LOW Mean Larval Density
	1.0- 1.9 MOD Attack Density		5.0 - 14.9 MOD Mean Larval Density
	2.0 - 3.9 HIGH Attack Density		15-24.9 HIGH Mean Larval Density
#DIV/0!	< 3.9 SEVERE Attack Density	#DIV/0!	>24.9 EXTREME Mean Larval Density

TABLE 2- Spruce Beetle Management Options after Walkthrough

% 2015 ATTACK	0.0%	0.0	SANITATION AND SALVAGE HARVEST PRIORITY RATING			
% 2014 ATTACK	0.0%	##	LIGHT	0-599	LEAVE (Monitor, Trap Trees, Baits, etc)	0.0
% 2013 ATTACK	0.0%	##	MODERATE	600-999	PROBE (To Obtain Further Info)	
% HOST IN STAND	50.0%	##	HEAVY	1000+	RECOMMEND CRUISING/ LOGGING	

NO CURRENT ATTACK, NO PROBE LINES ESTABLISHED

SUMMARY OF ALL CARDS
FS1111

NUMBER OF CARDS
0

ACCESS -

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POLYGON FEATURES -

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DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			2015		2014		2013			
			1	2	3	4	5	6	BL	AT
17.5-25.0	3.3	0	0	0	0	0	0	0	0	0
25.1-30.0	5.3	0	0	0	0	0	0	0	0	0
30.1-35.0	7.1	0	0	0	0	0	0	0	0	0
35.1-40.0	9.4	0	0	0	0	0	0	0	0	0
40.1-45.0	11.6	0	0	0	0	0	0	0	0	0
45.1-50.0	13.8	0	0	0	0	0	0	0	0	0
50.1-55.0	16.2	0	0	0	0	0	0	0	0	0
55.1-60.0	18.7	0	0	0	0	0	0	0	0	0
60.1 +	25.3	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0

BARK SAMPLES 15 cm x 15 cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE ADULTS	NO. CALLOW	FRESH (GREEN) BLOWDOWN		
						Attacked Yr	Yr	Unattacked
0	0	0	0	0	0	0	0	0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

Small polygon on edge of old cutblock. No current attack found, found a grouping of old strip attacked trees (3-Code 6's)

INCIDENCE AND SEVERITY OF THE INFESTATION

No current attack.

RISK OF BEETLE SPREAD

Minimal, off of old cutblock and steeper slopes

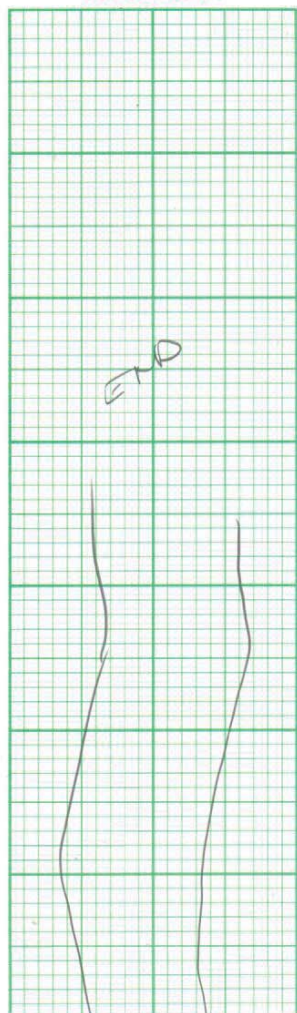
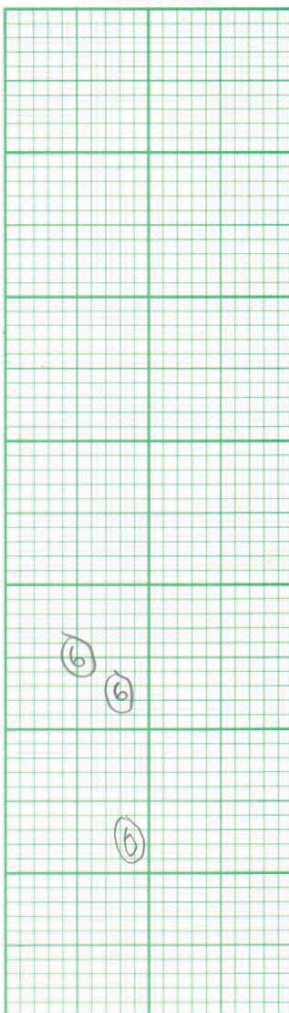
ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

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TOPOGRAPHY

STRIP No. 1

TIMBER TYPE

	700		
600			
500			
400			
300			
200			
100			
0 860			