Polygon Name: 2014-BLA-040

457000 458000 459000

6153000 6152000 6151000

Blackwater Creek

-314660000

A87345
CP BC
17/06/2014
ACTIVE

29625
NO ATTACK FOUND

-314500000

A87345
CP BE
30/01/2014
ACTIVE

BLA-040-START

BLA-040-END

Spruce Bark Beetle Field Map

Polygon Name: 2014-BLA-040

Landscape Unit/BMU:	Blackwater
Region:	Omineca
District:	Mackenzie
Mapsheet:	093O12
Hectares:	10.45
Scale:	1:10,000
When plotted on 11x17	
Coordinate System:	PCS Albers
Datum:	North American 1983
Date Drawn:	03/06/2015
Drawn By:	msnively

Very High (81-100)
Cutting Permit
RESULTS Opening
Landscape Unit
Road Permit Active
Road Permit Pending
Km_Marker_Points
Communities

Ecological Reserve
Protected Area
Provincial Park
Contour - Index
Contour - Intermediate
Streams
Lakes and Rivers
Wetlands

0 0.1 0.2 0.4 Kilometers

Disclaimer

The accuracy and completeness of the information on this map is not guaranteed.

p

Carbon
Clearwater
Eklund
Blackwater
Parsnip
Pine Pass
Gaffney
Mackenzie
Misinchinka
Chuchi
Philip
Tezzeron
Carp
Mcleo
Firth

0 5 10 20 Kilometers

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-040** HECTARES: 10.45

WALKTHROUGH DISTANCE: 500

ESTIMATED INFFESTED PIXELS FROM WALKTHROUGH (Code 1-4) 0 **0.0%**

SUMMARY OF CURRENT INFESTATION

Walkthrough found a stand comprised of 5-10% Spruce with no signs of current attack. Lots of dead pine with corresponding blowdown areas and 2 old attack spruce found (2- Coode 5's)

NO CURRENT ATTACK

ACCESS

Access is 4WD roadside access

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

Flat roadside runs length of Polygon. Mainly Pine and Aspen stand with roughly 5-10% Spruce component. Lots of dead pine blowdown.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Small Polygon alongside Main road. No Recent Attack found, 5-10% spruce stand component. 2 Code 5 attack dead spruce found.

INCIDENCE AND SEVERITY OF ATTACK

No Recent Attack found.

RISK OF BEETLE SPREAD

No Recent Attack found, swamp to the north of polygon. Roadside and old cutblock runs entire south length of polygon.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access, flat. No issues,

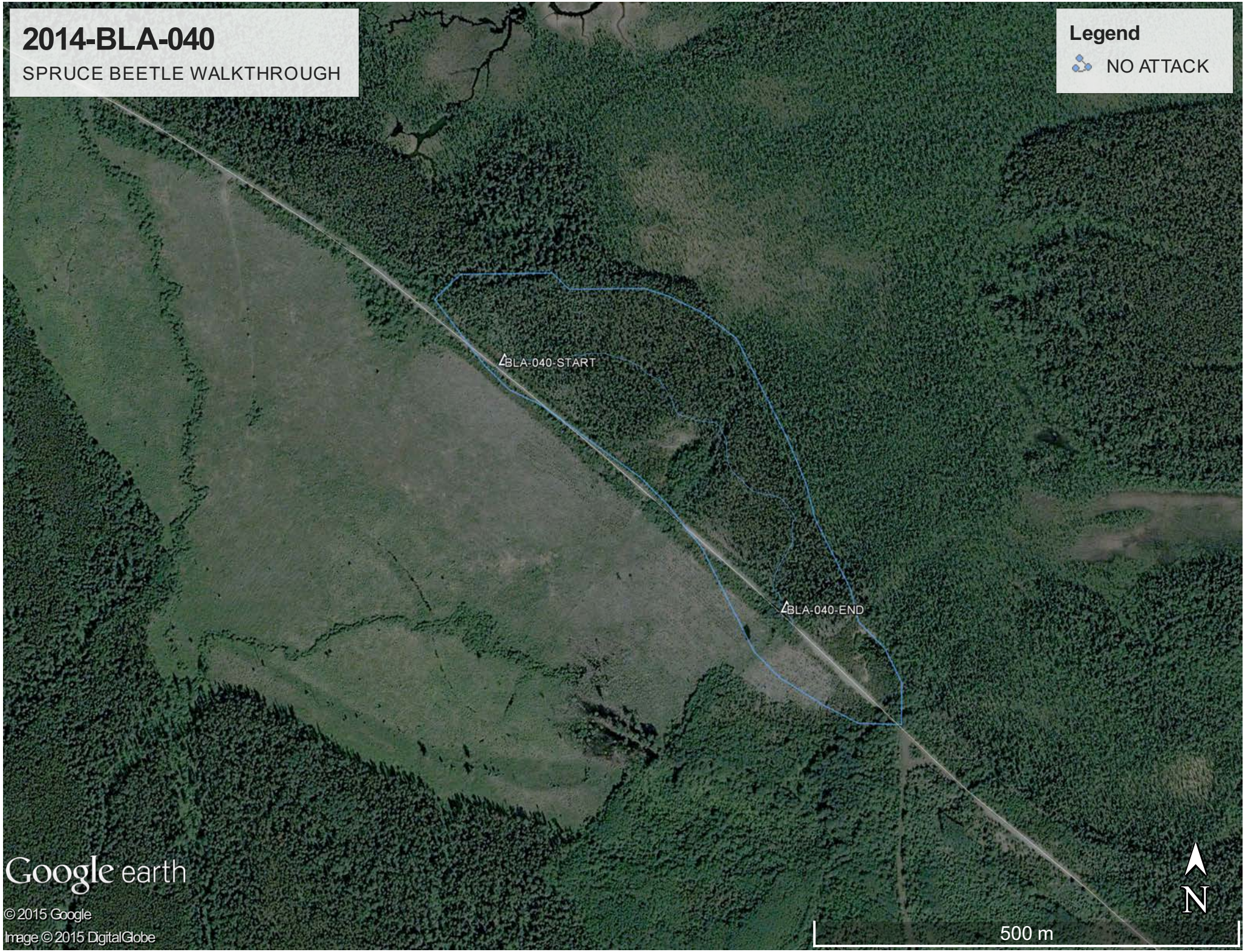
RECOMMENDATIONS

OPTION 1 **MONITOR**

With polygon having good access, there was 2 code 5 attacked trees found and no current attack noticed in Walkthrough. Are areas of Blowdown and easy site to continually monitor by quick walkthrough at a later date. Slow moving attack if any,

OPTION 2 **NO ACTION**

No action as Swamp to the north, old cutblock to the south.


2014-BLA-040
SPRUCE BEETLE WALKTHROUGH
Legend
NO ATTACK
BLA-040-START
BLA-040-END
Google earth
© 2015 Google
Image © 2015 DigitalGlobe
N
500 m

Summary

2014-BLA-040	HEC	10.45	METERS WALKED	500	% TRAVERSED	4.8%
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		MEAN NO. OF LIVING LARVAE PER 225 cm2 PHLOEM SAMPLE	
	< 1 LOW Attack Density		< 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
0.00	< 3.9 SEVERE Attack Density	**0.00**	>24.9 EXTREME Mean Larval Density

TABLE 2- Spruce Beetle Management Options after Walkthrough

			SANITATION AND SALVAGE HARVEST PRIORITY RATING			
% 2015 ATTACK	0.0%	0.0				
% 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	10.0%	##	HEAVY	1000+	RECOMMEND CRUISING/ LOGGING	

NO ATTACK, NO PROBE LINE ESTABLISHED

SUMMARY OF ALL CARDS FS1111

NUMBER OF CARDS 0

ACCESS - Access is 4WD roadside access

POLYGON FEATURES - Flat roadside runs length of Polygon. Mainly Pine and Aspen stand with roughly 5-10% Spruce component. Lots of dead pine blowdown.

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 Y r	Y r ____	Unattacked
0	0	0	0	0	0	0	0	0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

Small Polygon alongside Main road. No Recent Attack found, 5-10% spruce stand component. 2 Code 5 attack dead spruce found.

INCIDENCE AND SEVERITY OF THE INFESTATION

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RISK OF BEETLE SPREAD

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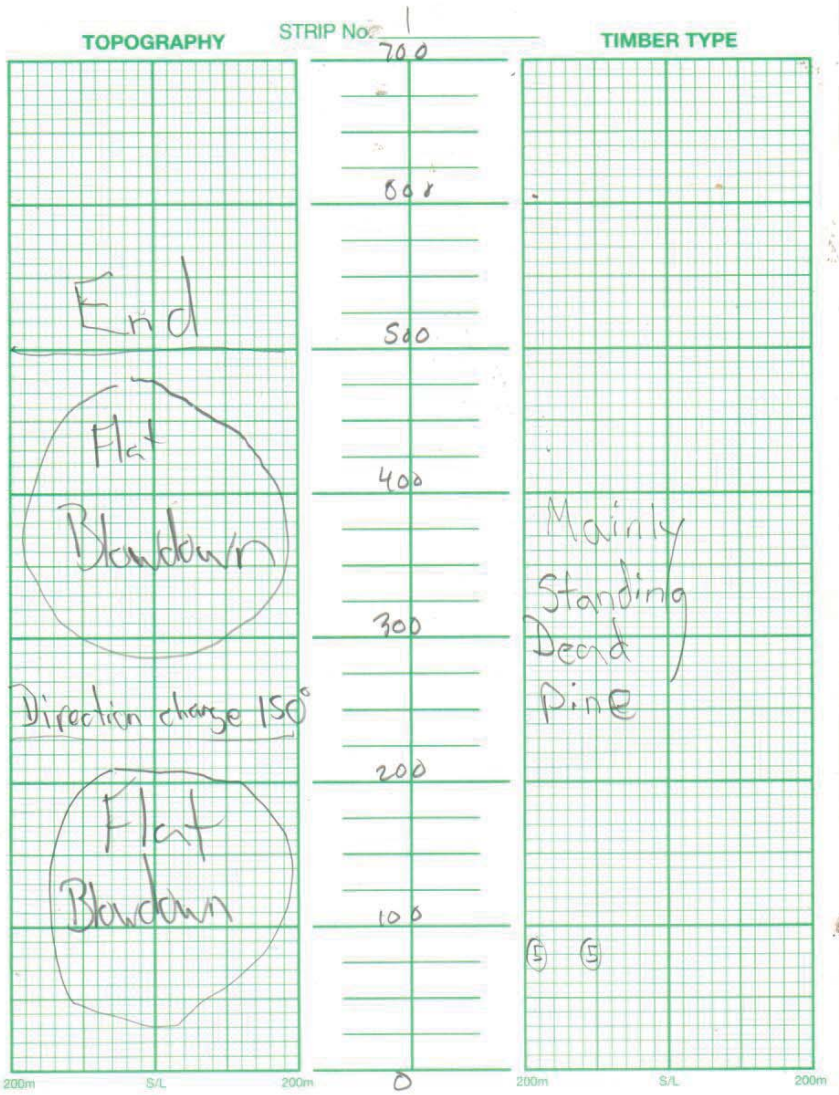
ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access, flat. No issues,



STRIP NO.: 1 DIRECTION: 135°

START STRIP: 0 - 700

JOB NO.: BLA - 0940 DATE: Oct 22 / 2015

CREW: James

REMARKS: No probe required 5% spruce

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