

**SENECA ENTERPRISES LTD.**

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**SPRUCE BARK BEETLE REPORT
FH17DPG218**STAR PROBE# **2016-PHI-0159**

267

NUMBER OF CODE 1-4 ATTACK

3PROBE LINE **YES****SUMMARY OF CURRENT INFESTATION****LIGHT ATTACK**

Grouping of sites PHI-0144, 0145, 0158, 0159 and 0160. All sites walkins south of old road (ATV) 500m to 1.8km. The only site with signs of attack was site PHI0159 Which has three Code 1 attacked trees (Concentrated Attack).. Further to the south of this site is PHI-0160 which had no signs of attack and was mostly alder and than further south from there is a grouping of sites PHI-0161 and 0162 where moderate signs of attack was noticed. There is poor access to PHI0159 and 1 probe line showed moderate Priority rating. Isolated attack.

ACCESS

From Quad, walk 600m to 1.8km south to sites. (Site 0159 1km, creek through north)

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

All sites very wet with heavy patches of alder. Low volumes of spruce. Stream in site 0159 at 50m North

SIZE, BOUNDARY and PATTERN OF INFESTATION

Three Code 1 attacked tree found in site 0159, no other evidence of attack in surrounding sites. Very light attack, very minimal spruce within stands. Further south, moderate attack in another grouping of sites 0161 and 0162

INCIDENCE AND SEVERITY OF ATTACK

Three Code 1 attacked tree found in site 0159, no other evidence of attack in surrounding sites. Very light attack, very minimal spruce within stands. Further south, moderate attack in another grouping of sites 0161 and 0162

RISK OF BEETLE SPREAD and SURROUNDING SITES

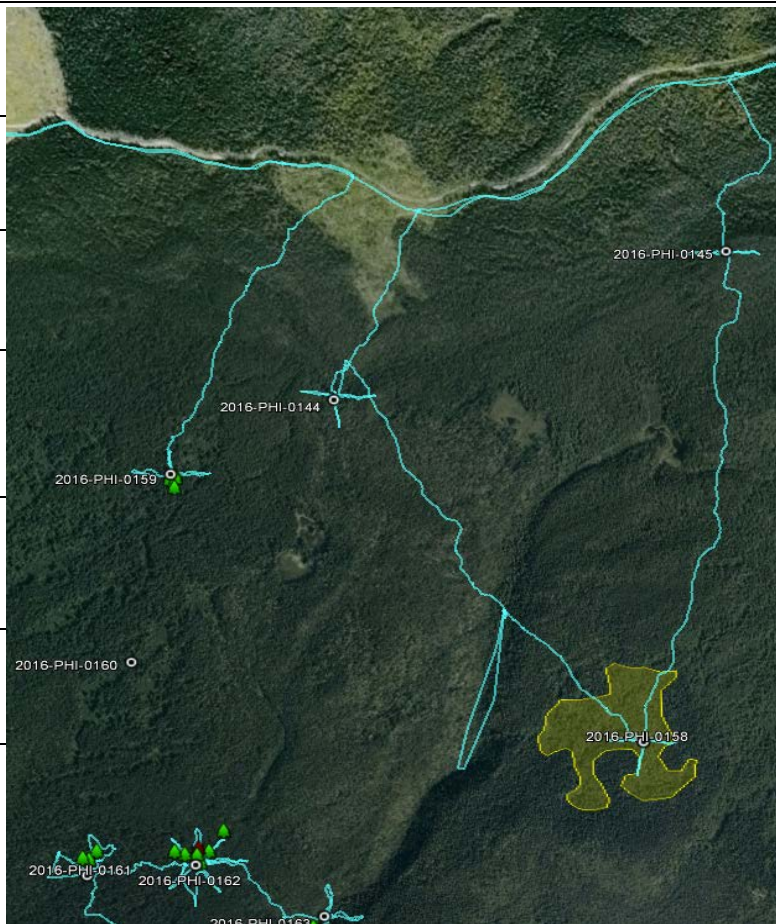
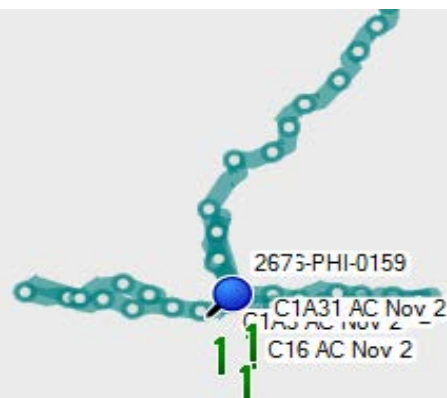
Three Code 1 attacked tree found in site 0159, no other evidence of attack in surrounding sites. Very light attack, very minimal spruce within stands. Further south, moderate attack in another grouping of sites 0161 and 0162

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

From Quad, walk 600m to 1.8km south to sites. (Site 0159 1km, creek through north)

RECOMMENDATIONS**OPTION 1 MONITOR**

Site 0159 has three signs of current attk. Bark sample showed both 1 and 2 year life cycle. As access very poor and isolated, MONITOR area and work in conjunction with Sites PHI0161 and PHI0162. Those sites as well have poor access. All other sites no action as no attack noticed.



SUMMARY OF ALL CARDS FS1111

NUMBER OF CARDS

1

ACCESS -

From Quad, walk 600m to 1.8km south to sites. (Site 0159 1km, creek through north)

SITE FEATURES -

All sites very wet with heavy patches of alder. Low volumes of spruce. Stream in site 0159 at 50m North

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	1	0	0	0	0	0	0	8	0
25.1-30.0	5.3	3	0	0	0	0	0	0	5	0
30.1-35.0	7.1	6	0	0	0	0	0	0	6	0
35.1-40.0	9.4	3	2	0	0	0	0	0	4	0
40.1-45.0	11.6	2	1	0	0	0	0	0	3	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		15	3	0	0	0	0	0	26	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		Unattacked
						Yr	Yr	
2	2	0	9	4	2	0	0	0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

Three Code 1 attacked tree found in site 0159, no other evidence of attack in surrounding sites. Very light attack, very minimal spruce within stands. Further south, moderate attack in another grouping of sites 0161 and 0162

INCIDENCE AND SEVERITY OF THE INFESTATION

One Code 1 attacked tree found in site 0113, Single Code 5 attack tree found in 0115 with no other evidence of attack. Probe line in 0113 had light sanitation priority rating. Very light attack, very minimal spruce within stands.

RISK OF BEETLE SPREAD

Minimal. Site 0113 has one current attacked tree amongst heavy alder, all sites low volume of spruce. Sites 0114,0115 had no current attack

ACCESS, OPERABILITY AND INTEGRATED RESOURCE MANAGEMENT ISSUES

All accessed North of mainline, about a 600m walk in. Very wet sites with creeks and swamps, heavy alder throughout, difficult walking except PHI-0113, walk in on skid trail.

267

Nov 2nd

AC

Attack - Three CI's

Access - 1 km @
208° from
quad.

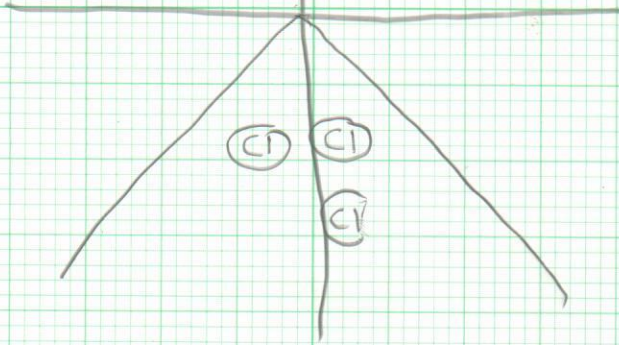
Features - stream

@ 50m North.
40% SX, 60% BI



267

N 100m



Access: walked from quad @ 10 U 0475619
6119424
truck parked @ 10 U 0478670
6119732

267 Plot Centre - 10 U 0475140
6118551

Aaron Colebank Nov 2nd, 2016

⊗ Stream @ 50m North

SPRUCE BEETLE PROBE CARD

LOCATION 267 South		10V0475140 618531		PAGE OF 1200m	
BEARING 180°		DISTANCE 100m		STRIP WIDTH 0m	

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	0								B1
25.1 - 30.0	5.3	0								
30.1 - 35.0	7.1	0								
35.1 - 40.0	9.4	0								
40.1 - 45.0	11.6	0								
45.1 - 50.0	13.8									
50.1 - 55.0	16.2									
55.1 - 60.0	18.7									
60.1 +	25.3									
TOTALS			14	3						26

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

COMMENTS
6 - Bark Sample, Code 1 and 3

CREW NAMES Aaron Colebank	DATE 2016 11 02
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