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SPRUCE BARK BEETLE REPORT FH17DPG218

STAR PROBE# **2016-PHI-0175**

284

NUMBER OF CODE 1-4 ATTACK

4

PROBE LINE **YES**

SUMMARY OF CURRENT INFESTATION

MODERATE ATTACK

Grouping of sites PHI-0173, 0174, and 0175. All sites just east of road, with recent logging activity in the area. Site 0175 is just to the east of a freshly logged cutblock and had 4 code 1 attacked trees and 8 older Code 5 attacked trees. Moderate attack, thick stand but low sanitation rating from 1 probe line. Site 0174 also has moderate attack with 2 Code 1 and 2 Code 3 attacked trees and falls within Fresh BCTS block boundary flag. Both sites have good access, close to new road. Site 0173 had no signs of attack.

ACCESS

From truck, walk 100m- 300m to sites. Fresh logged block beside 175 and 174 is within BCTS block boundary flag.

SITE FEATURES

(Topography, Terrain, Timber Types, Age)

Site 0173 where no attack, has steep slopes heading west into Plot Centre. Site 0174 and 0175 have steep slopes 25% running down to plot centre, 0175 plot centre is flat swampy ground.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Moderate attack on edge of Fresh or planned cutblocks. Isolated attacks for the most part within Star probes. 0173 has no signs of attack.

INCIDENCE AND SEVERITY OF ATTACK

Moderate attack on edge of Fresh or planned cutblocks. Isolated attacks for the most part within Star probes with higher attack densities and low larval densities. Represented by 2 probe lines with light sanitation rating as fairly dense stands.

RISK OF BEETLE SPREAD and SURROUNDING SITES

Higher attacks densities in 0174 and 0175 but dense stands with fairly isolated attack and low larval densities.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

From truck, walk 100m to sites 0171-0172 beside cutblock. Sites 0166, 0167 and 0168 walk south 900m to 1.6km, flat with slopes 0-10%. A few small drainages to cross with access.

RECOMMENDATIONS

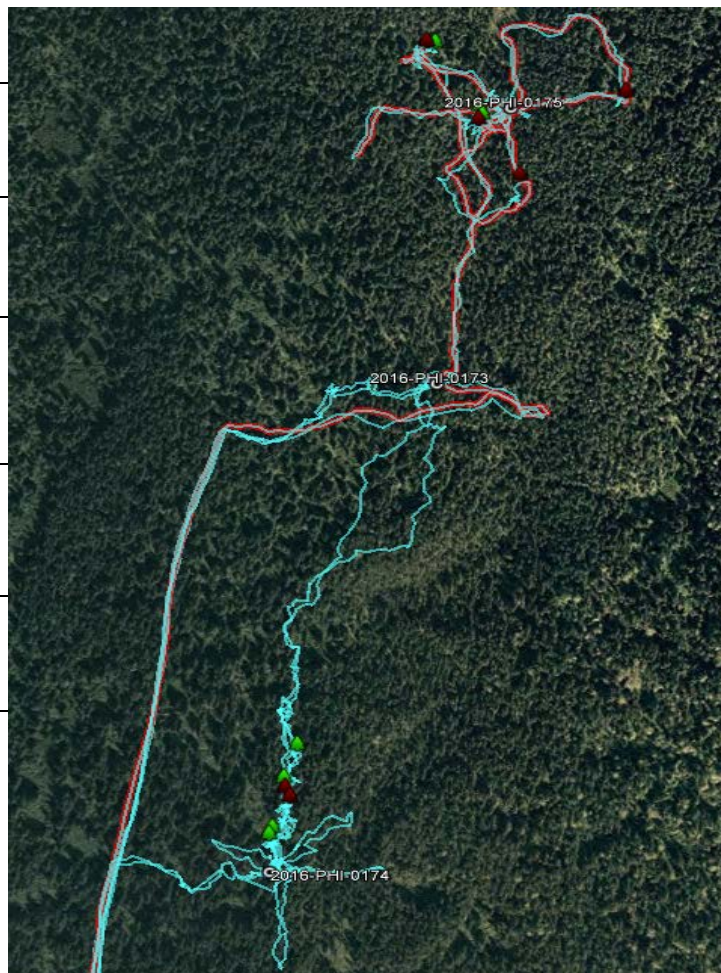
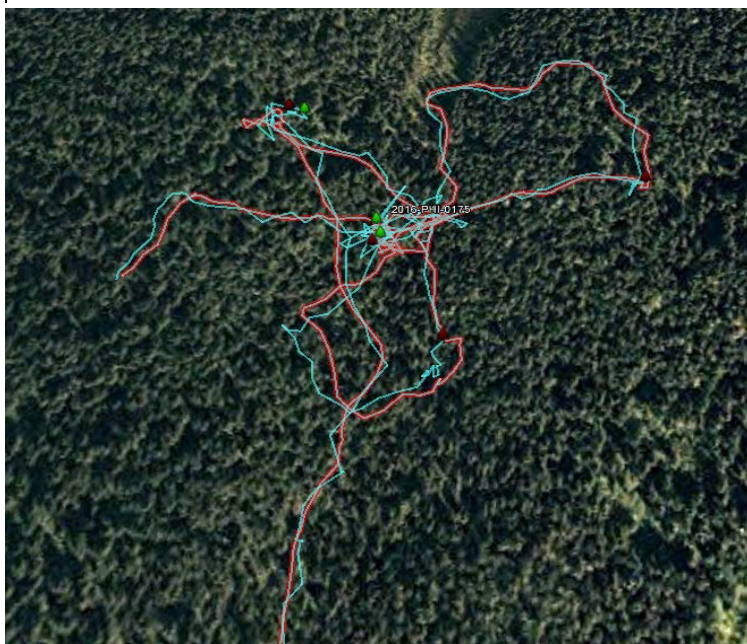
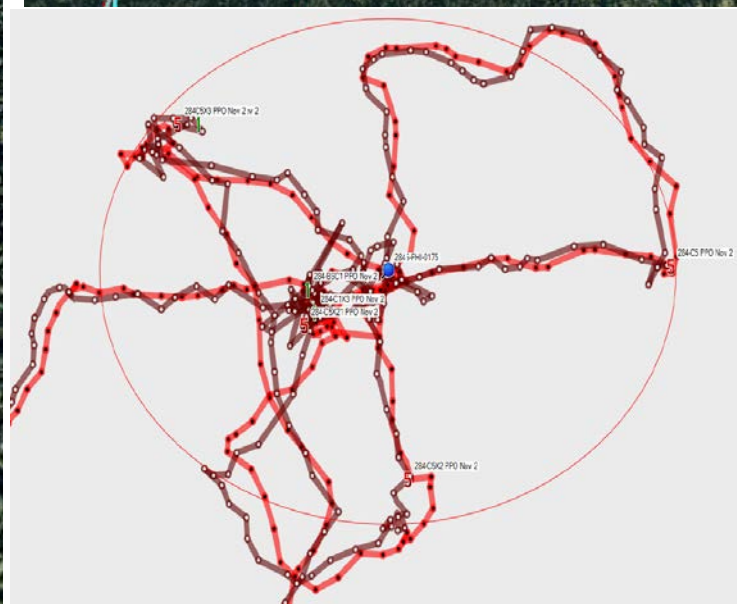
OPTION 1

CRUISE/ HARVEST

Both 0174 and 0175 have moderate attack but low mean larval densities. Also, fairly dense stands with a low priority rating. Site 0175 is adjacent to recent cutblock and has Code 1 attack and site 0174 is within a BCTS Block Boundary which assume is to be logged. Site 0175 attack appears to be on 2 year life cycle, so good wait and monitor/ reassess again next year.

OPTION 2

MONITOR



SUMMARY OF ALL CARDS FS1111					NUMBER OF CARDS				1	
ACCESS -		From truck, walk 100m- 300m to sites. Fresh logged block beside 175 and 174 is within BCTS block boundary flag.								
SITE FEATURES -		Site 0173 where no attack, has steep slopes heading west into Plot Centre. Site 0174 and 0175 have steep slopes 25% running down to plot centre, 0175 plot centre is flat swampy ground.								
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			2015		2014		2013		BL	PL
			1	2	3	4	5	6		
17.5-25.0	3.3	2	0	0	0	0	0	0	11	0
25.1-30.0	5.3	0	0	0	0	0	0	0	3	0
30.1-35.0	7.1	4	0	0	0	0	0	0	1	0
35.1-40.0	9.4	5	0	0	0	0	0	0	4	0
40.1-45.0	11.6	12	0	0	0	0	0	0	0	0
45.1-50.0	13.8	7	1	0	0	0	0	0	2	0
50.1-55.0	16.2	1	0	0	0	0	0	0	0	0
55.1-60.0	18.7	1	0	0	0	0	0	0	0	0
60.1 +	25.3	1	0	0	0	0	0	0	0	0
TOTALS		33	1	0	0	0	0	0	21	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 ____		Unattacked
2	3	0	3	0	0	0		0		0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

Moderate attack on edge of Fresh or planned cutblocks. Isolated attacks for the most part within Star probes. 0173 has no signs of attack.

INCIDENCE AND SEVERITY OF THE INFESTATION

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RISK OF BEETLE SPREAD

Higher attacks densities in 0174 and 0175 but dense stands with fairly isolated attack and low larval densities.

ACCESS, OPERABILITY AND INTEGRATED RESOURCE MANAGEMENT ISSUES

From truck, walk 100m to sites 0171-0172 beside cutblock. Sites 0166, 0167 and 0168 walk south 900m to 1.6km, flat with slopes 0-10%. A few small drainages to cross with access.

284

Nov 2nd

PP / JK

Attack - Four C1's
Eight C5's

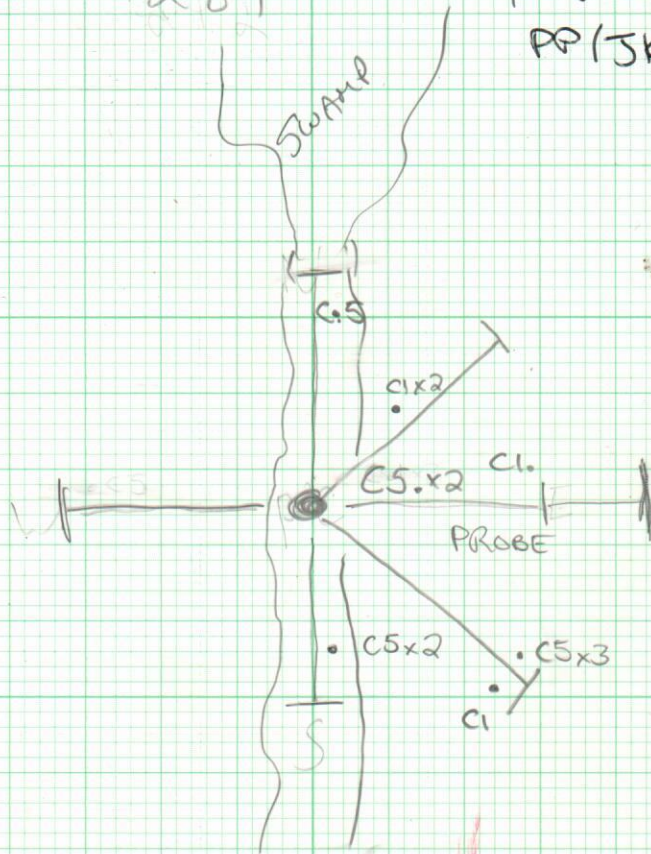
Access - 300m @ 90°
from newly
logged cutblock

Features - slope
runs down
@ 20% in East
towards P.C.
P.C is flat swamp



284

NOV 2
PP/JK



- Large S_x
- Slope 25% down to creep
- 80% S_x , 20% $B1$
- Cutblock N @ 120 m

METRIC FIELD



BRITISH
COLUMBIA



BEETLE PROBE CARD

LOCATION 284 0479445 6110139		ELEVATION 970	LATITUDE	PAGE	OF						
BEARING 0°	STRIP LINE NO 1	STRIP WIDTH 10	DISTANCE 100	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	0°									
17.5 - 25.0	3.3										
25.1 - 30.0	5.3										
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	0°									
50.1 - 55.0	16.2	0°									
55.1 - 60.0	18.7	0°									
60.1 -	25.3										
TOTALS		33.1								22	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN					
						Attacked	Unattacked				
P	1	1	2	1	1						
S	2	1	1	1	1						
COMMENTS BS - New attack. - first 20m of probe in creek bed.											
CREW NAMES PAT						DATE Y M D 16 11 2					