

**SENECA ENTERPRISES LTD.**

PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3
 Phone: (250) 561-0890, Fax: (250) 564-3275

SPRUCE BARK BEETLE REPORT

FH17DPG218

STAR PROBE# **2016-PHI-0163**

271

NUMBER OF CODE 1-4 ATTACK

1PROBE LINE **NO****SUMMARY OF CURRENT INFESTATION****LIGHT ATTACK**

Grouping of sites PHI-0161, 0162, 0163, 0164 and 0165. These sites are all along the west edge of the Phillips area and all sites (Except 0165) have recent signs of attack. PHI-0161 has 3 Code 1's, 1 Code 3... PHI-0162- has 4 Code 1's, 1 Code 2, 1 Code 3.... PHI-0163 found 1 Code 3 off of Probe line.... PHI-0164 has 3 Code 1's and 1 Code 3 attack. All sites are after ATV for 2km, then walk around 1km to them. Minimal slopes, heavy

ACCESS

ATV 2.0km then walk North 1.2km (0161) 1.3km (0162), 800m (0163), 900m (0164) For 0165 walk south 600m. All relatively flat for access,

SITE FEATURES

(Topography, Terrain, Timber Types, Age)

All sites relatively flat and leading in Balsam. Open stands.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Site 161 Probe line has 1 attacked tree but the largest one in site. Site dominated in Balsam, moderate larval and attack densities and High Sanitation Rating.

INCIDENCE AND SEVERITY OF ATTACK

Three Probe lines established in sites 161, 162 and 164. Sites 161 and 164 minimal spruce, high priority rating, site 162 mod high rating. All sites have moderate larval densities and attack densities but all attacked areas have beetle that will fly 2017, (Code 3 or Code 1 trees on a 1 year cycle) Attacked trees are the largest ones in their respective sites.

RISK OF BEETLE SPREAD and SURROUNDING SITES

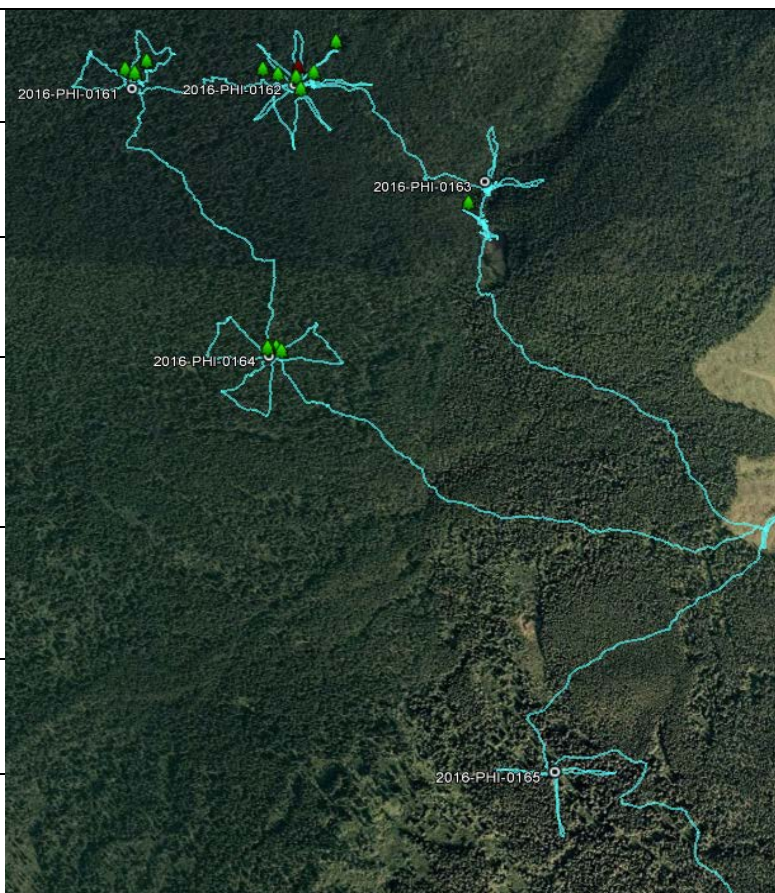
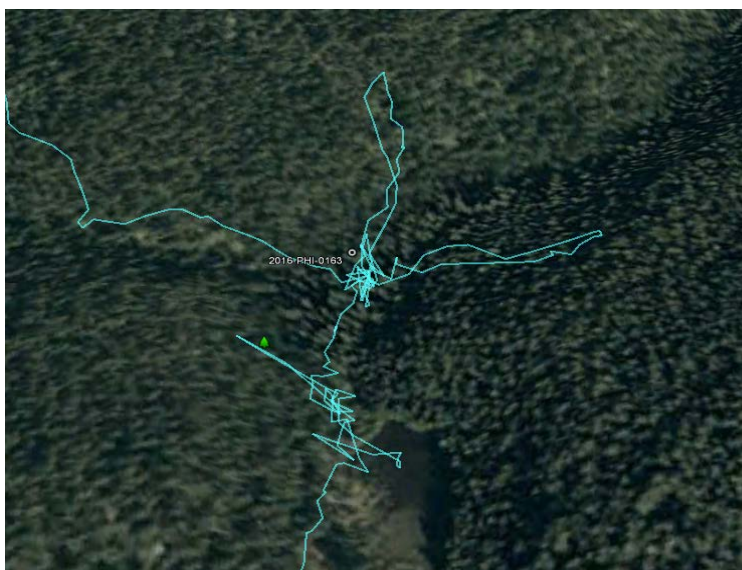
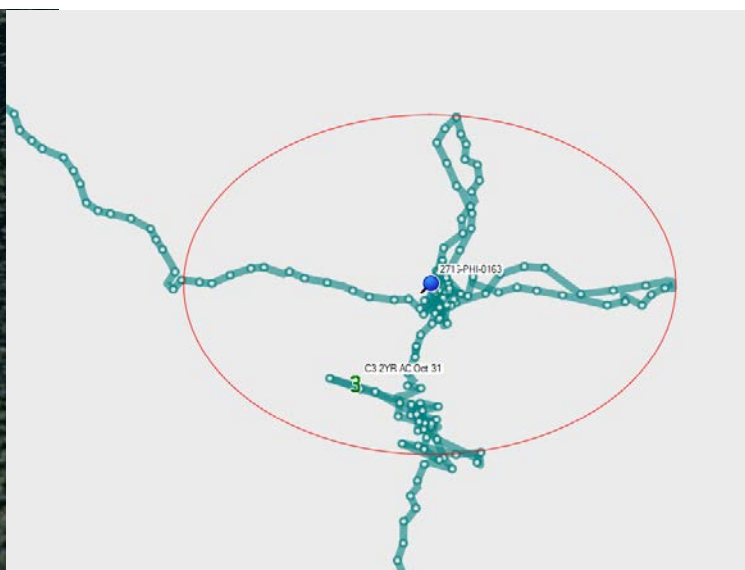
Moderate. Fairly concentrated grouping of attack in sites, 0161-0164 and on west edge of Phillips area. Not large spruce component in area, any large DBH spruce seems to have been attacked. Some lighter attack north on site 0159 and will continue to move within area.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

Access relatively flat but after ATV 2.0km crew walked 600m- 1.2km to sites.

RECOMMENDATIONS**OPTION 1****FALL AND BURN**

Few spruce trees in area and not sure of future logging plans for area as dominated by Balsam. Large DBH spruce are mostly attacked and may be more practical to Fall and burn as access limited with ATV 2.0km and then walk 600m-1.2km May be too many for this and harvesting likely better. While most attack is Code 1 on a 2 year cycle, there are Code 3 attack and Code 1's on a 1 year life cycle (30%) and beetle will fly in 2017. Combined priority rating over 1000 from these 4 sites.



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OCT 31ST

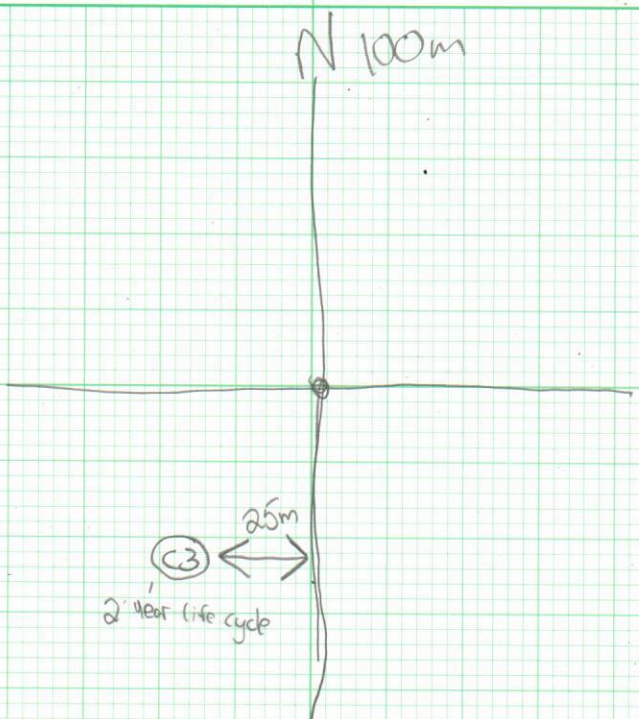
AC

Attack = no signs
of attack
along probe
but C3 noticed
outside of line



271

N 100m



25m
 (3)
 2 year life cycle

Access - truck parked @ 10 U 0477506
 6115918
 quadred to - 10 U 0475995
 6116596

271 Plot Centre - 10 U 0475533
 6117241

Aaron Colebank, Oct 31st, 2016

⊗ Code 3 found 25m off of line
 10 U 0475502
 6117182