

**SENECA ENTERPRISES LTD.**

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**SPRUCE BARK BEETLE REPORT
FH17DPG218**STAR PROBE# **2016-TUDB-0010**

214

NUMBER OF CODE 1-4 ATTACK

2PROBE LINE **yes****SUMMARY OF CURRENT INFESTATION****LIGHT ATTACK**

Star probe had 2 code 1's and 2 code 5's. 2 Code 5's also noticed on way to site. One probe line with light priority rating, with low larval density and moderate attack. Site has older cutblock to the west and lower risk of beetle spread.,

ACCESS

From truck walk 600m at 191 degrees

SITE FEATURES

(Topography, Terrain, Timber Types, Age)

Heavy alder to the south, 50% Spruce Balsam mix. Creek crossing just north of site.

SIZE, BOUNDARY and PATTERN OF INFESTATION

2 isolated code 1 attacked trees in site, mixed with some older attack Code 5 Trees. On way into site, noticed some older attacked trees as well to the north.

INCIDENCE AND SEVERITY OF ATTACK

Light isolated attack, some older ATTACK with low to moderate attack and larval densities.,

RISK OF BEETLE SPREAD and SURROUNDING SITES

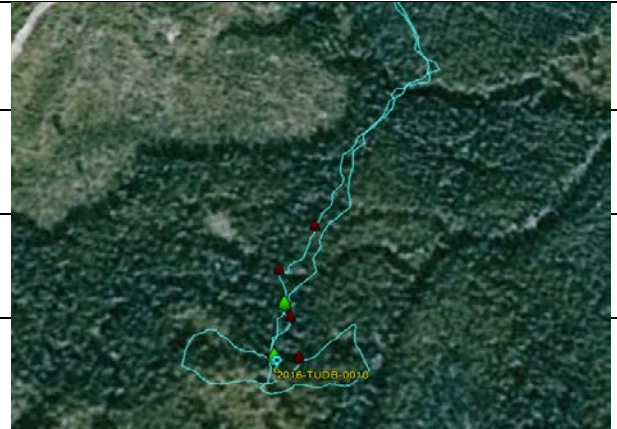
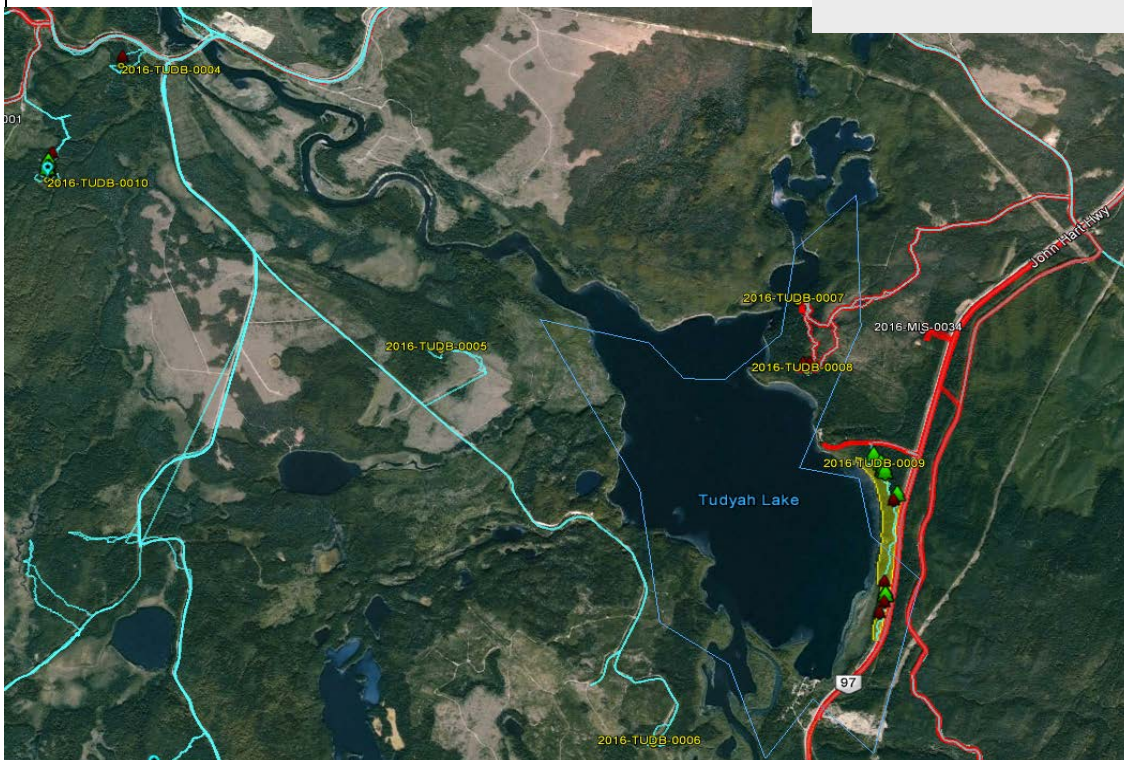
Isolated attack, with lower risk of spread. 1 km to the west, found some isolated attacks as well in Site 2016-TUDA-0001

ACCESS, OPERABILITY and INTEGRATED RESOURCE MGMT ISSUES

Steep, but close to mainline.

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

Light priority rating and minimal activity with just a couple isolated attacks.

OPTION 2**MONITOR**

Steep, but close to mainline.

SPRUCE BEETLE PROBE CARD

LOCATION 55°06'32.9" 123°08'00.0"	PAGE —	OF —
BEARING N	DISTANCE 100m	STRIP WIDTH 10m

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	
1.5 - 25.0	3.3								
1.1 - 30.0	5.3								
1.1 - 35.0	7.1								
1.1 - 40.0	9.4								
1.1 - 45.0	11.6								
1.1 - 50.0	13.8								
1.1 - 55.0	16.2								
1.1 - 60.0	18.7								
60.1 +	25.3								
TOTALS			12	1					12

RK SAMPLES 5cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN	
						Attacked	Unattacked
N	5	0	1				
S	6	2	1				

COMMENTS
 @ BS
 40% Slopes

RESEARCHER NAMES DARRYL DUTHEE	DATE Y M D 16 11 15
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1111 RPG 2000/01 7530881048 (100/bdl)

METRIC FIELD

214 55°06'30.4"
123°08'00.3"

55% SPRUCE

45% BALSAM

AVG DBH RANGE 30-40

30-45% Slope

PROBE

C1+BS

CS

CS

ALDERS