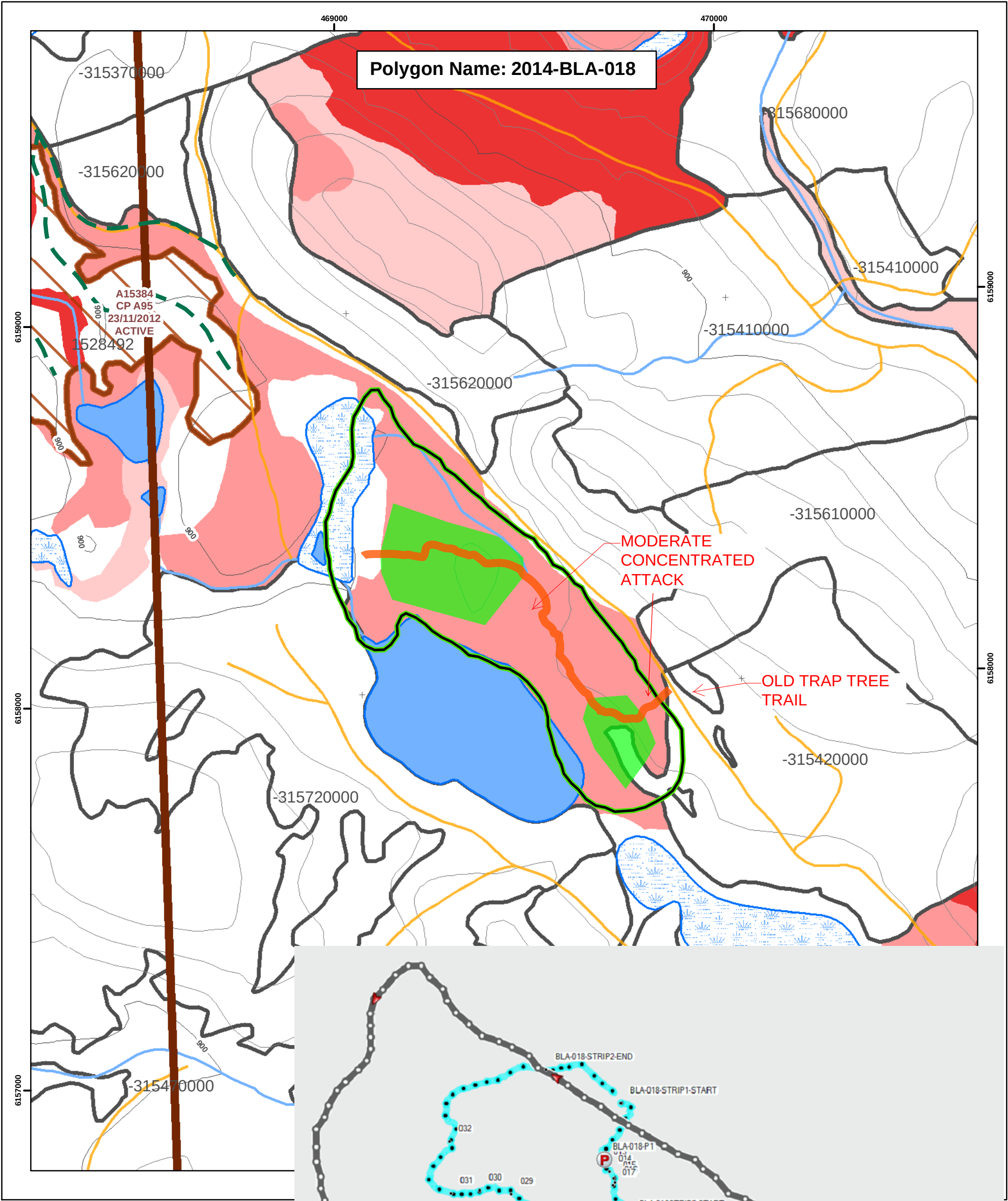




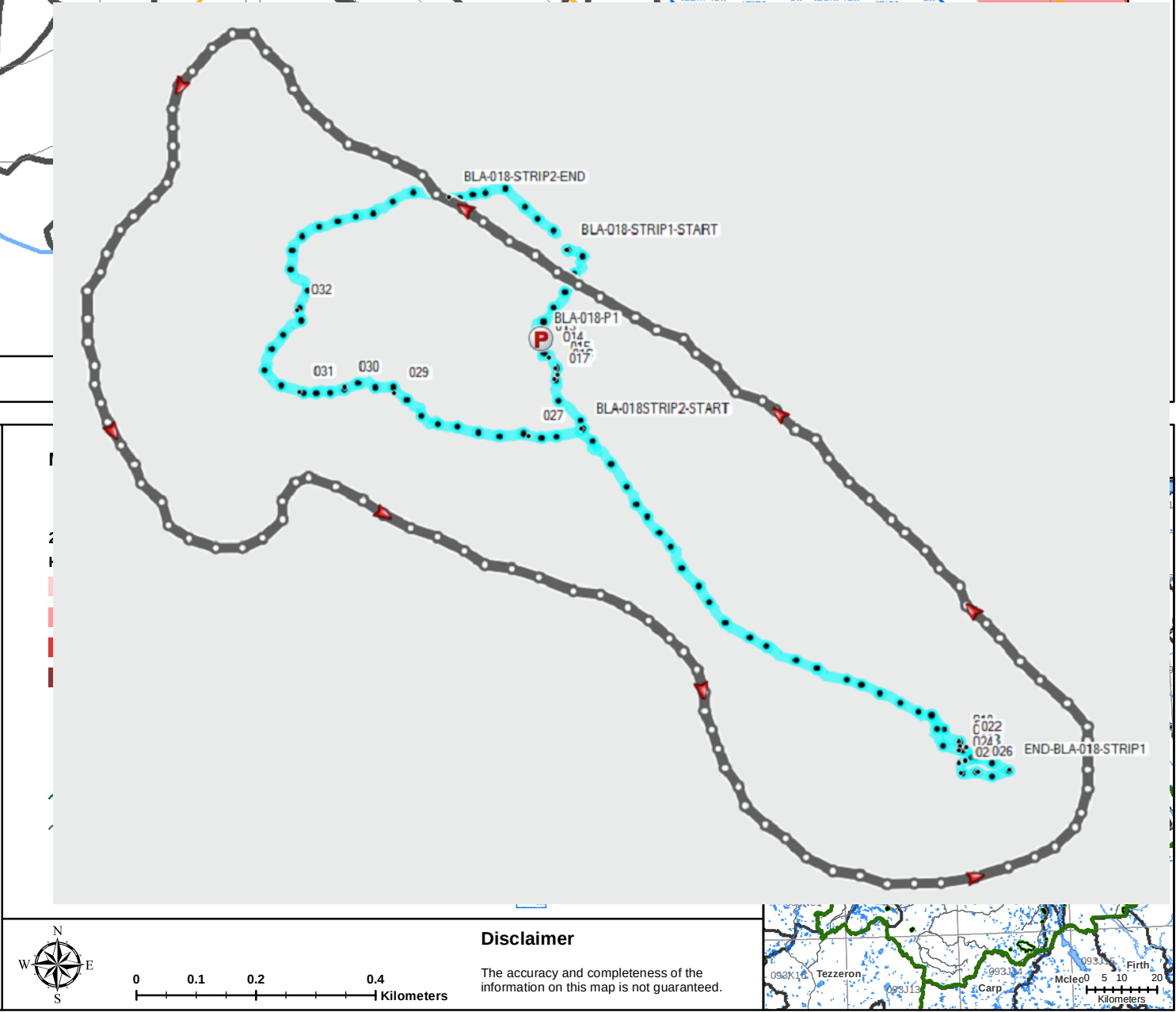


Ministry of
Forests, Lands and
Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2014-BLA-018

Landscape	Blackwater
Unit/BMU:	
Region:	Omineca
District:	Mackenzie
Mapsheet:	093O11
Hectares:	40.89
Scale:	1:10,000
When plotted on 11x17	
Coordinate System:	PCS Albers
Datum:	North American 1983
Date Drawn:	03/06/2015
Drawn By:	msnively



**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-018**

HECTARES:

40.89

WALKTHROUGH DISTANCE:

1600

ESTIMATED INFESTED PIXELS FROM

WALKTHROUGH (Code 1-4)

8**50.0%****SUMMARY OF CURRENT INFESTATION**

Walkthrough estimate shows roughly 50% of polygon with infested pixels with recent attack. (Code 1's mainly) There is an older trap tree trail running through polygon which held the infestation more in check and seems lower attack densities on trees outside of trail. Only largest DBH Spruce seems to have been infected as well.

MODERATE CONCENTRATED ATTACK IN TWO AREAS.

ACCESS

Access is on older, good existing road for 2km by ATV.

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

. Old trap tree trail runs through Polygon Minimal slopes throughout, some small draws. Boundary to the North is older cutblock, Maybeline Lake to the South. Stand is a Spruce Balsam Mix, 60% spruce with large diameter spruce. >40% DBH

SIZE, BOUNDARY and PATTERN OF INFESTATION

Attack is fairly concentrated in 2 areas where large diameter spruce is present. . Little old attack found scattered through rest of polygon. Attack centers around larger Spruce in area.

INCIDENCE AND SEVERITY OF ATTACK

Low attack and low mean larval density from one probe line established. Roughly 50% of pixels infested.

RISK OF BEETLE SPREAD

Spread will occur within polygon, there is a lake to the south and old cutblock to the north. Existing trap tree trail established which held some of the infestation

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Access surrounded by older road by ATV, wouldn't take much work to get fully operational/

RECOMMENDATIONS**OPTION 1****REMOVE TRAP TREES/ CRUISE**

Sanitation and Salvage Rating is high from 1 PROBE LINE taken in heavier infested area. Recommend removing trap trees and extending to areas with current attack

OPTION 2**PROBE/ MONITOR**

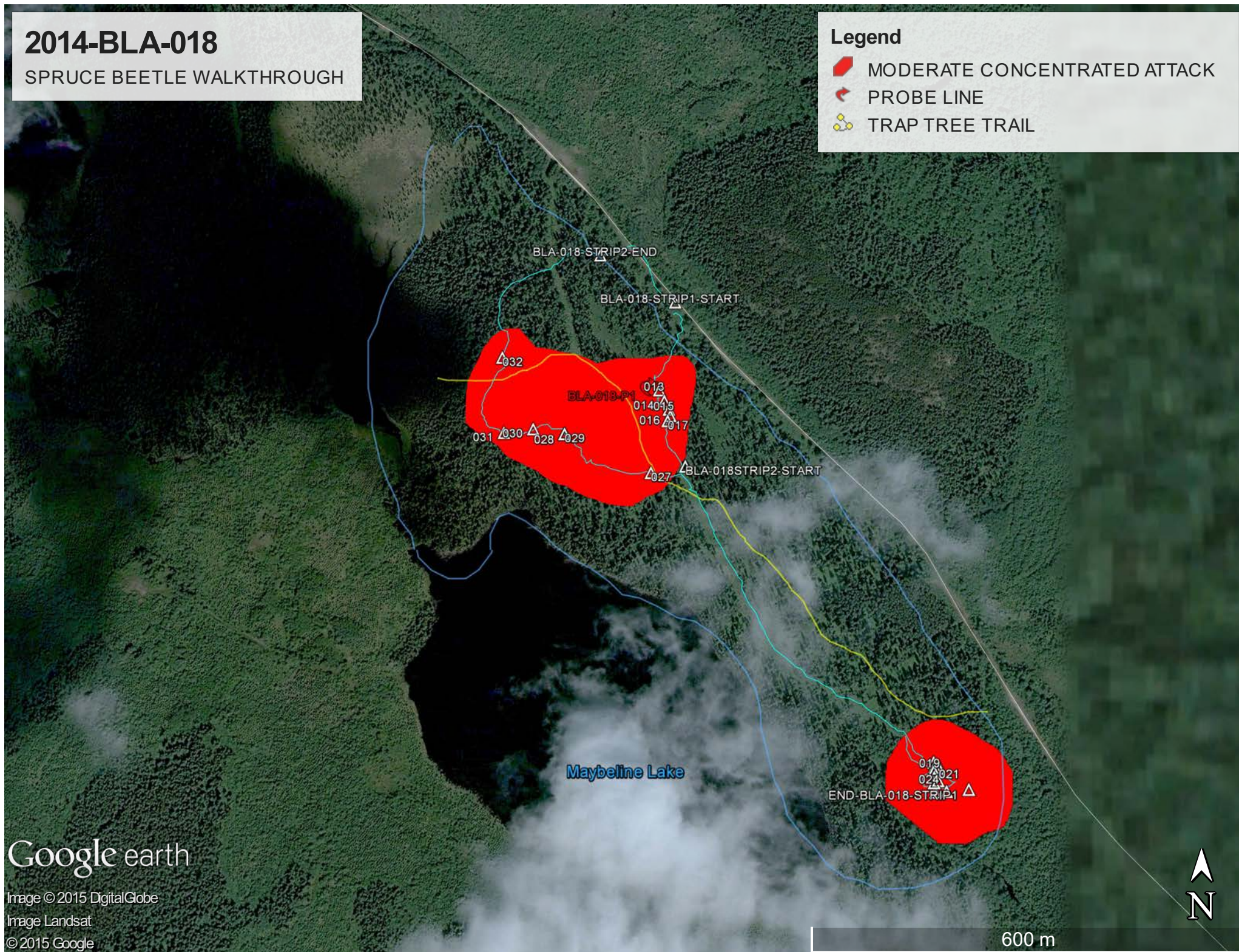
Trap trees have already been laid down and schedule probe to define attacked area before removing trap trees.

2014-BLA-018

SPRUCE BEETLE WALKTHROUGH

Legend

-  MODERATE CONCENTRATED ATTACK
-  PROBE LINE
-  TRAP TREE TRAIL



Google earth

Image © 2015 DigitalGlobe

Image Landsat

© 2015 Google



PROBE 1

BEETLE PROBE CARD

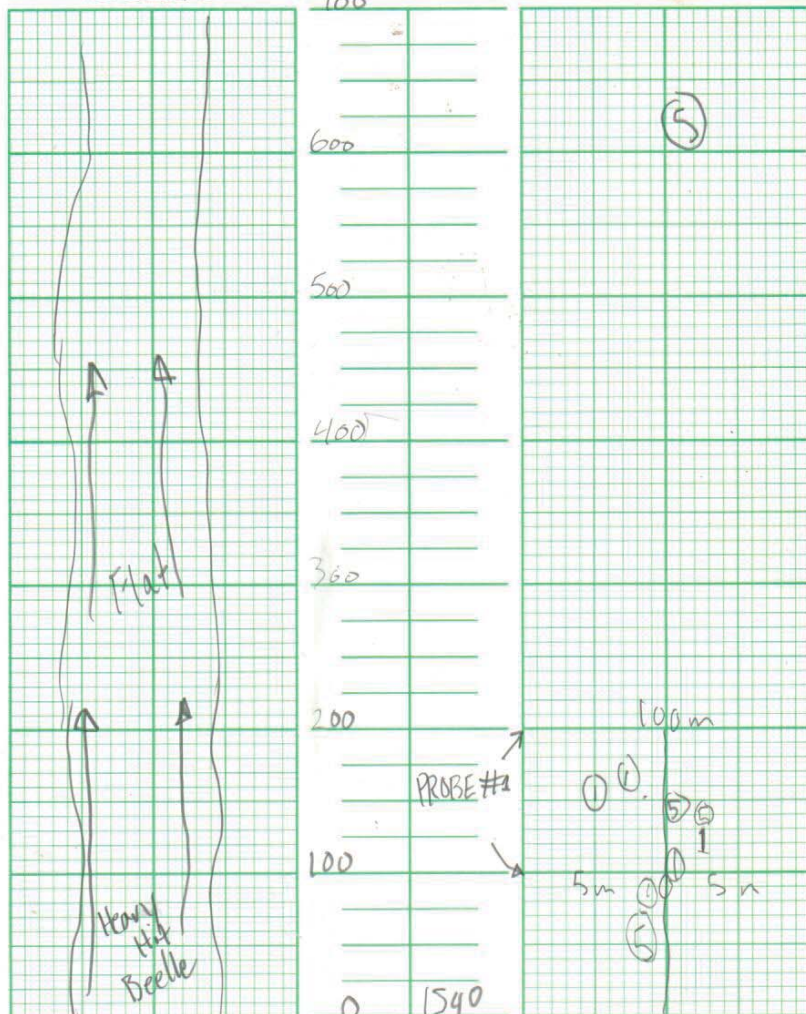
LOCATION		0469338		ELEVATION	LATITUDE		PAGE	OF		
BLA 018		6158391					1	1		
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES						
150	1	10m	100m	☒ SB ☐ MPB ☐ DFB						
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			1	2	3	4	5	6	MAIN	OTHER
12.5 - 17.4	2.0									
17.5 - 25.0	3.3									
25.1 - 30.0	5.3									
30.1 - 35.0	7.1									
35.1 - 40.0	9.4									
40.1 - 45.0	11.6									
45.1 - 50.0	13.8									
50.1 - 55.0	16.2									
55.1 - 60.0	18.7									
60.1 -	25.3									
TOTALS		7	5	1	1	1	2	1	12	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
1A		/	3	/	3	/	/			
1B		/	1	/	3	/	/			
COMMENTS										
- 0BS										
- cobel's in 1st & 2nd year life cycles.										
- open stand.										
CREW NAMES						DATE				
Santos K.						Y M D				
						15 10 24				

TOPOGRAPHY

STRIP No.

BLA-018

TIMBER TYPE

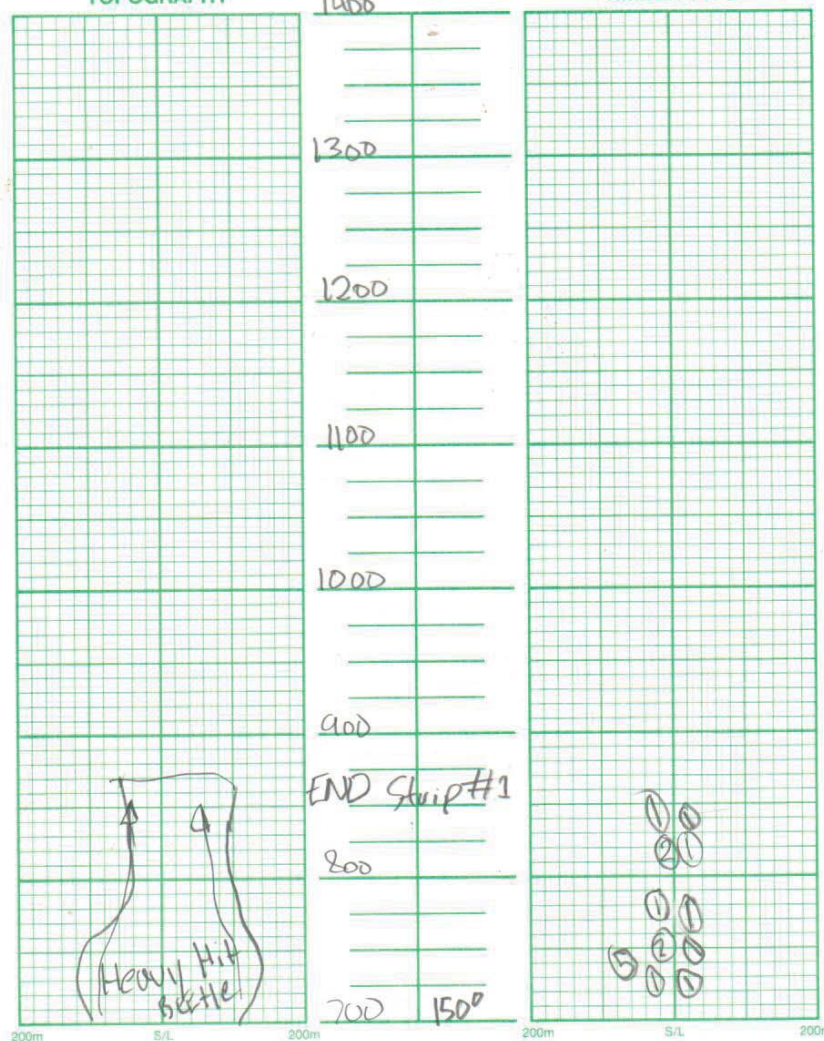


TOPOGRAPHY

STRIP No.

BLA-018

TIMBER TYPE



STRIP NO.: BLA-018 DIRECTION: 150°

START STRIP: 700-1400

JOB NO.: Seneca / walk DATE: Oct 24, 15

CREW: Pat Poinier

REMARKS:

www.irisupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No.

BLA-018

TIMBER TYPE

100

END Strip # 2

600

500

400

300

20°

200

100

0

Flat

Flat

⑤

①

①

①

①

②

②

⑤

⑤

PO

①