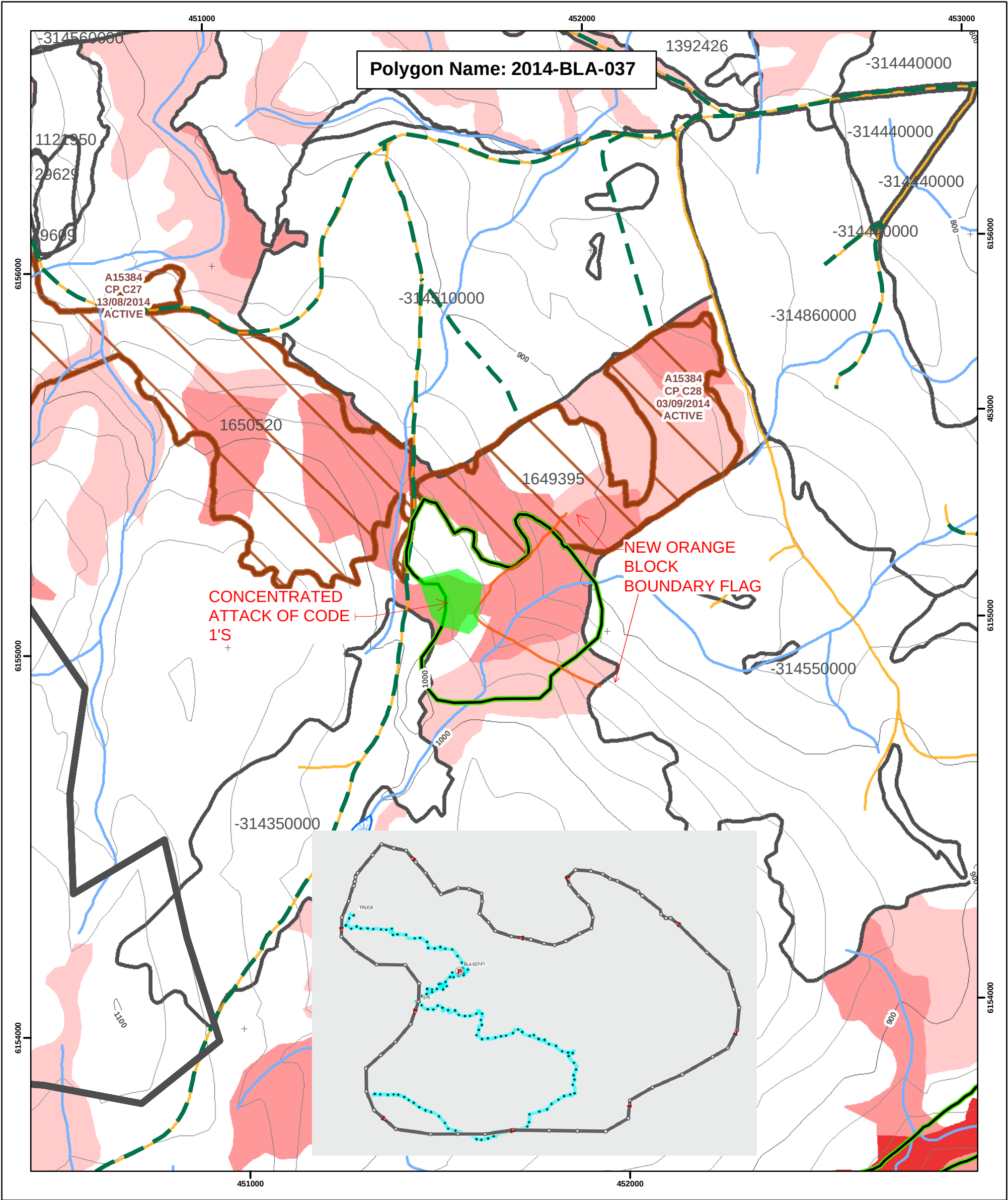






Ministry of
Forests, Lands and
Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2014-BLA-037

Landscape Unit/BMU: Blackwater

Region: Omineca

District: Mackenzie

Mapsheet: 093O12

Hectares: 17.55

Scale: 1:10,000

When plotted on 11x17

Coordinate System: PCS Albers

Datum: North American 1983

Date Drawn: 03/06/2015

Drawn By: msnively

Map Features

Susceptible Spruce Bark Beetle Polygon

2013 SB Hazard Rating (20% increments)

Hazard Classes

Low/Med (21-40)

Med (41-60)

High (61-80)

Very High (81-100)

Cutting Permit

RESULTS Opening

Landscape Unit

Road Permit Active

Road Permit Pending

Km_Marker_Points

Communities

First Nations Reserves

Mackenzie District

OGMA Legal Current

Ungulate Winter Range

Wildlife Habitat Area

Protected Lands Designation

Ecological Reserve

Protected Area

Provincial Park

Contour - Index

Contour - Intermediate

Streams

Lakes and Rivers

Wetlands



00.10.20.40

Kilometers

Disclaimer

The accuracy and completeness of the information on this map is not guaranteed.

Key Map

**SENECA ENTERPRISES LTD.**

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Phone: (250) 561-0890, Fax: (250) 564-3275

WALKTHROUGH DISTANCE: 1000

**SPRUCE BARK BEETLE REPORT
FH16DMK010**

POLYGON: 2014-BLA-037 HECTARES: 17.55

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4) 2 20.0%**SUMMARY OF CURRENT INFESTATION**

Walkthrough estimate shows 20% of polygon has Code 1 2015 attack with attack on both a one and two year cycle. Area of attack is concentrated close to the mainline road with the eastern part of polygon having fresh flagging through it and may be scheduled for Harvest. Infested area has good access with slopes 0-20% and is surrounded by heavy alder patches.

MODERATE CONCENTRATED ATTACK**ACCESS**

Access to the north west of Polygon is by 4wd on mainline.

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

Minimal slopes, 0-20% where there is attacked trees, 40-60% slopes in rest of Polygon. Are areas of heavy alder within Polygon, and dead pine. In infested area, 60% spruce, 45cm DBH. New orange boundary flag in East portion of Polygon.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Attack is concentrated in flatter area with slopes ranging from 0-20% Mostly code 1's on a 1 and 2 year life cycle. Infested area is surrounded by areas of heavy blowdown.

INCIDENCE AND SEVERITY OF ATTACK

One probe line in infested area shows a moderate attack density and moderate larval density. It is isolated in the lower areas with lesser slope and is close to Mainline road.

RISK OF BEETLE SPREAD

Polygon has a moderate to high attack density and likely has a moderate rate of spread through polygon. There is orange boundary flag to the east of the attacked area and also is surrounded by heavier alder patches. Is some older attacked trees and blowdown around area

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access to infested area as close to mainline road. There is fresh flagging to the east of the infested area and may be scheduled for harvesting.

RECOMMENDATIONS**OPTION 1****PROBE, CRUISE/HARVEST**

If harvesting portions of polygon already as evidenced by Fresh orange boundary flag, may want to include this area to harvest as well. Area is 60-70% spruce with heavy alder patches around it and has slopes of 0-20%. As only one probe line established, may want to grid probe area to better determine severity and risk of spread.

OPTION 2**TRAP TREES/ MONITOR**

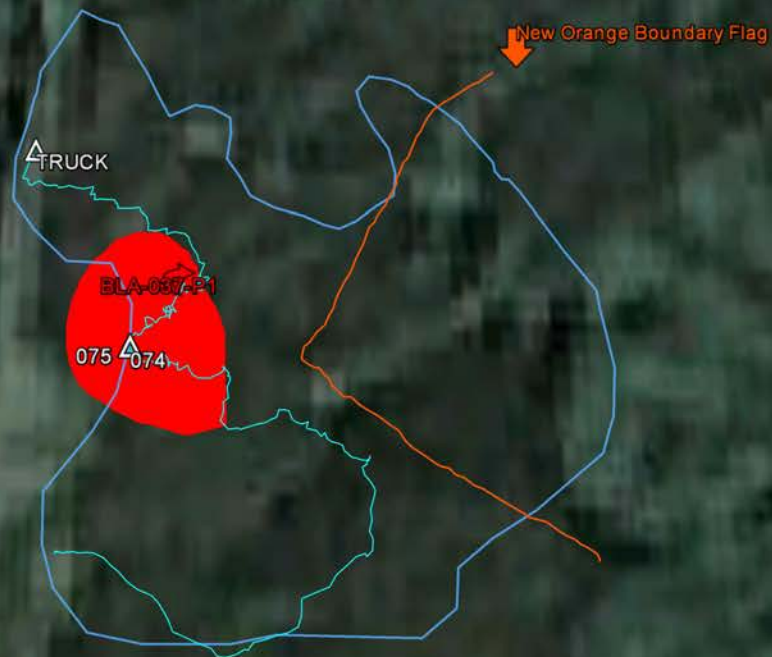
As close to main line, may want to lay trap tree trail to hold infestation that is on a 1 and 2 year cycle

2014-BLA-037

SPRUCE BEETLE WALKTHROUGH

Legend

-  Mod Concentrated Attack
-  New Orange Boundary Flag
-  Probe Line



Google earth

Image Landsat
Image © 2015 DigitalGlobe
© 2015 Google



500 m

SPRUCE BEETLE PROBE CARD

LOCATION BLA-037		00451641 6155134		PAGE 1 OF 1						
BEARING 230°		DISTANCE 100 m		STRIP WIDTH 10 m						
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									B
25.1 - 30.0	5.3									B
30.1 - 35.0	7.1									B
35.1 - 40.0	9.4									B
40.1 - 45.0	11.6									B
45.1 - 50.0	13.8									B
50.1 - 55.0	16.2									B
55.1 - 60.0	18.7									B
60.1 +	25.3									B
TOTALS		18	3			1	1			18
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	1	9	/	1	/	/			
1B	2	/	3	/	/	/	/			
COMMENTS: ① BS - Gentle slope. Open stand.										
CREW NAMES Pat P.						DATE Y M D 15 10 22				

STRIP NO.: BLA-037 DIRECTION: 110°, 72°, 160°, 230°
 START STRIP: 0-700
 JOB NO.: Seneca/walk DATE: Oct 22, 15
 CREW: Pat Poirier
 REMARKS:



STRIP NO.: 1 DIRECTION: 300°
START STRIP: 700-1400
JOB NO.: BLA-037 DATE: Oct 22 / 2015
CREW: _____
REMARKS: _____

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