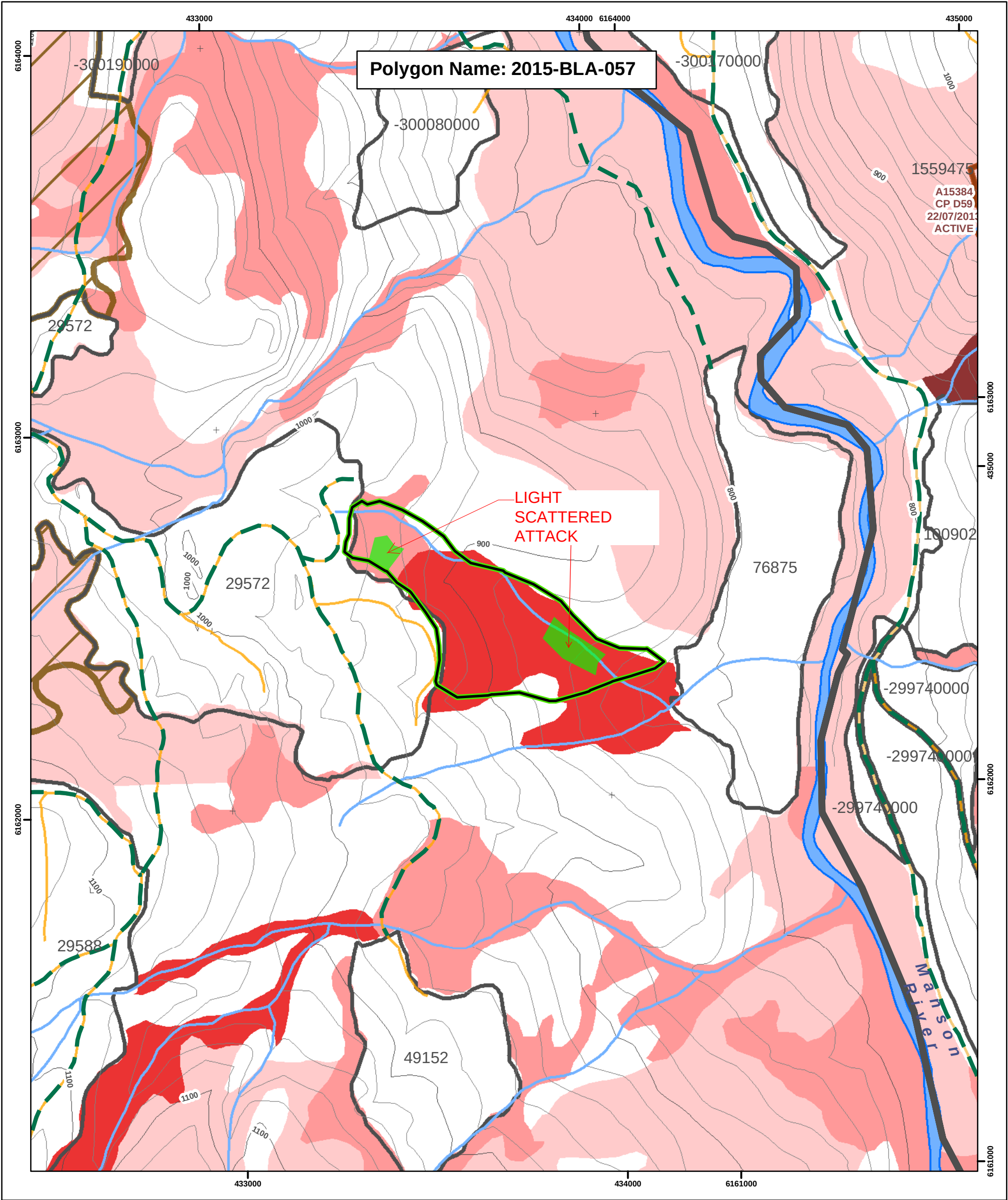




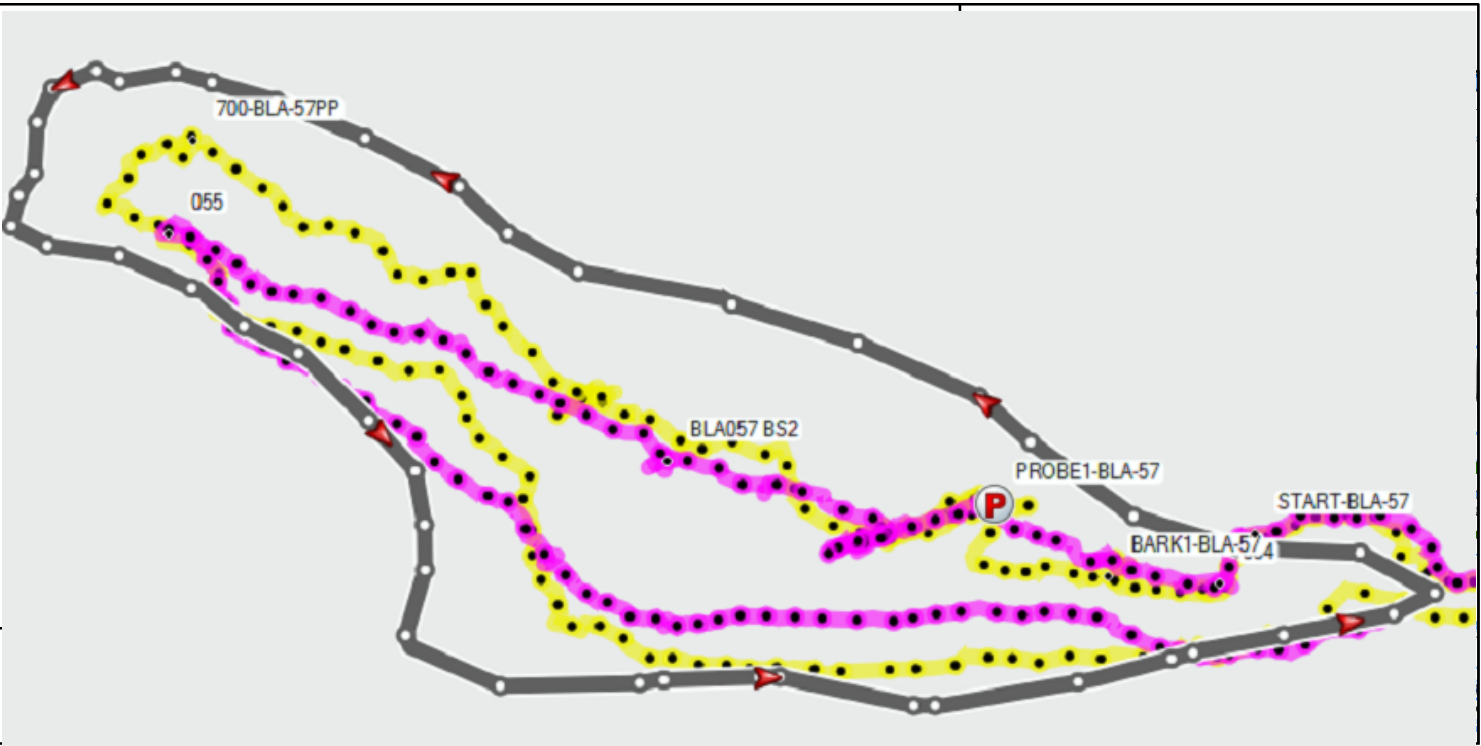


Ministry of
Forests, Lands and
Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2015-BLA-057

Landscape	Blackwater
Unit/BMU:	Omineca
Region:	Mackenzie
District:	093N09
Mapsheets:	18.15
Hectares:	1:10,000
Scale:	When plotted on 11x17
Coordinate System:	PCS Albers
Datum:	North American 1983
Date Drawn:	03/06/2015
Drawn By:	msnively



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**SPRUCE BARK BEETLE REPORT
FH16DMK010**

POLYGON: BLA-057

HECTARES: 18.15

WALKTHROUGH DISTANCE: 2700

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)

3 11.1%

SUMMARY OF CURRENT INFESTATION

Walkthrough shows minimal infestation with around 10% infested Pixels with most of the trees found on a 1 and 2 year life cycle (3-Code1's). There are some operability issues with drainage running entire length of Polygon. Also road extremely brushed in with Alder and crew walked 4km

LIGHT SCATTERED ATTACK**ACCESS**

Access roads overgrown and crew walked down brushed in road from 2014-BLA-056 (4+ KM)

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

Minimal slopes within Polygon 0-30%, but heavy blowdown throughout. From walkthrough estimate 60-70% spruce, with areas leading with dead Pine.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Very light scattered attack with 3- Code 1's (Hit 2014 and 2015) All of the trees found had a bark sample

INCIDENCE AND SEVERITY OF ATTACK

1 probe line established, 3 bark samples. Of the 3 samples, showing moderate attack density and all showing beetle on a 1 and 2 year life cycle. Attacked areas alongside creek draw.

RISK OF BEETLE SPREAD

Light sanitation rating. Beetles could move within polygon, lots of blowdown, (pine and Spruce) and moderate attack density. Cutblocks to the east and west surround polygon

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Polygon has access to the east within 300 m of Eastern tip but rough ATV road. Also a cutblock to the west, did not access from there. One draw runs length wise through polygon

RECOMMENDATIONS**OPTION 1****MONITOR**

Minimal scattered attack will need to monitor as susceptibility moderate due to moderate to heavy attack density.

OPTION 2**TRAP TREES/ MONITOR**

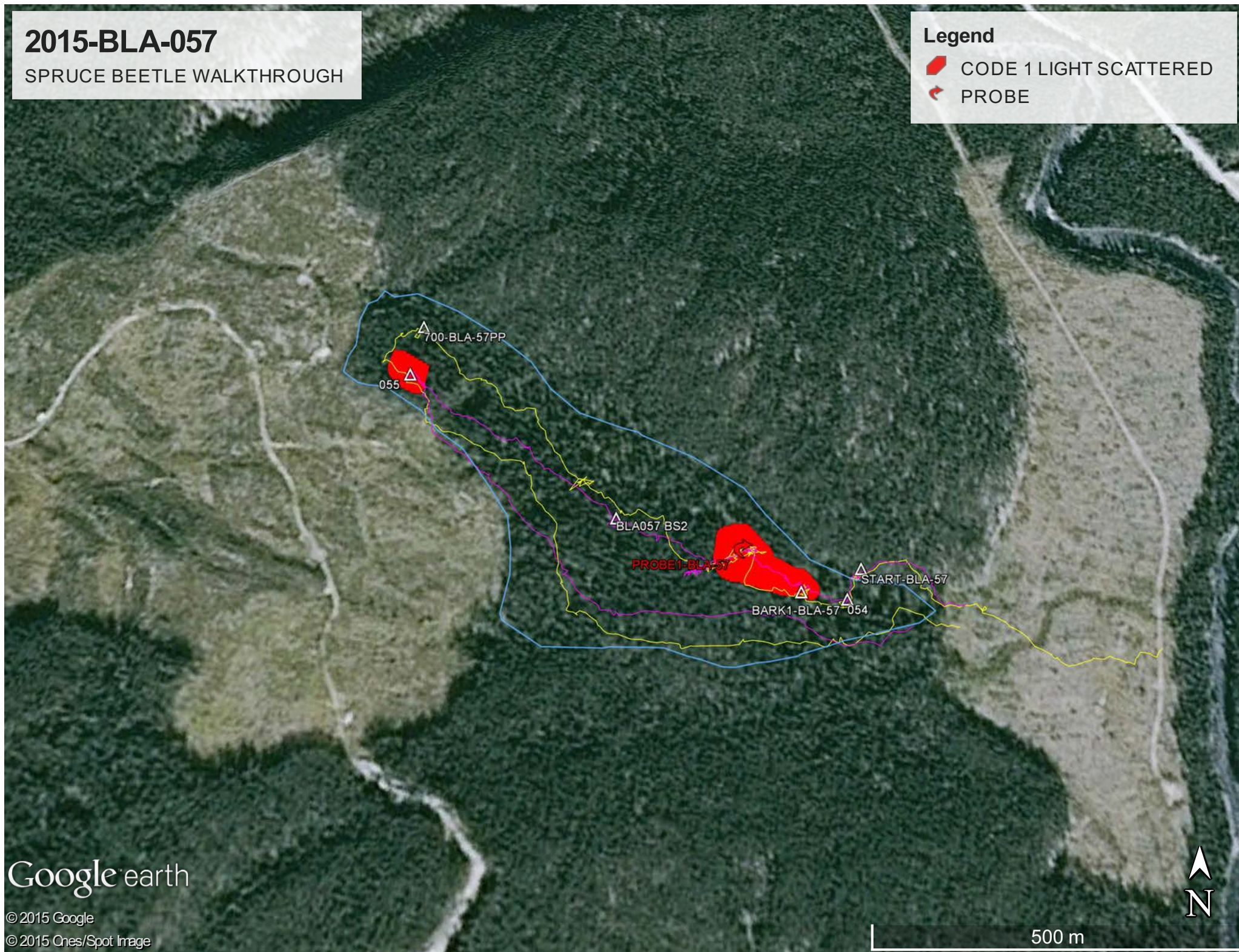
May schedule option for Trap Trees,

2015-BLA-057

SPRUCE BEETLE WALKTHROUGH

Legend

-  CODE 1 LIGHT SCATTERED
-  PROBE



SPRUCE BEETLE PROBE CARD

LOCATION	U-0433895 UTM-6162422		PAGE	1 OF 1	
BEARING	245°		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								
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			23	1			2	3	

BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN	
						Attacked	Unattacked
1A	5	2	3	/	6		
1B	4	/	1	/	2		

COMMENTS: lots of Dead Pine in forest stand

CREW NAMES	DATE
Pat Poirier	Y M D 15 10 16

SPRUCE BEETLE PROBE CARD

LOCATION	BLA-52 U0433962 UTM-612360		PAGE	1 OF 1	
BEARING			DISTANCE		
			STRIP WIDTH		

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								
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									

BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN	
						Attacked	Unattacked
1A	1	/	/	/	1		
1B	2	/	2	/	1		

COMMENTS: Bark Sample

CREW NAMES	DATE
Pat Poirier	Y M D 15 10 16

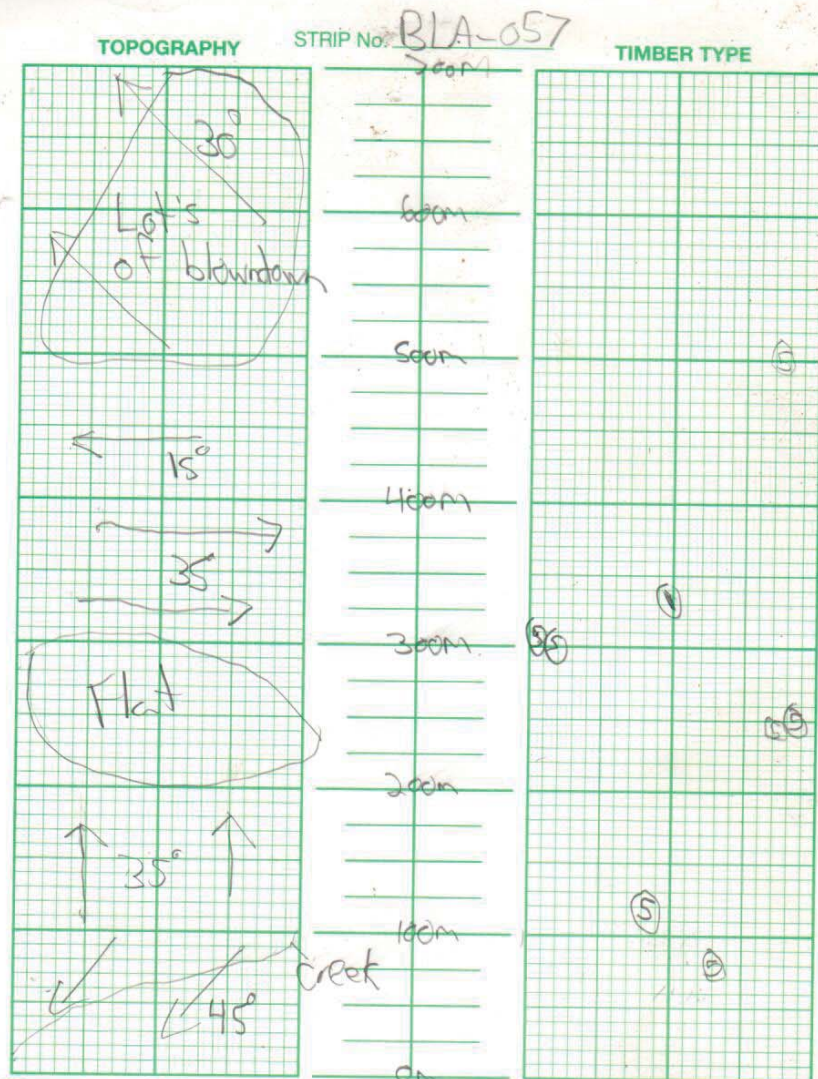
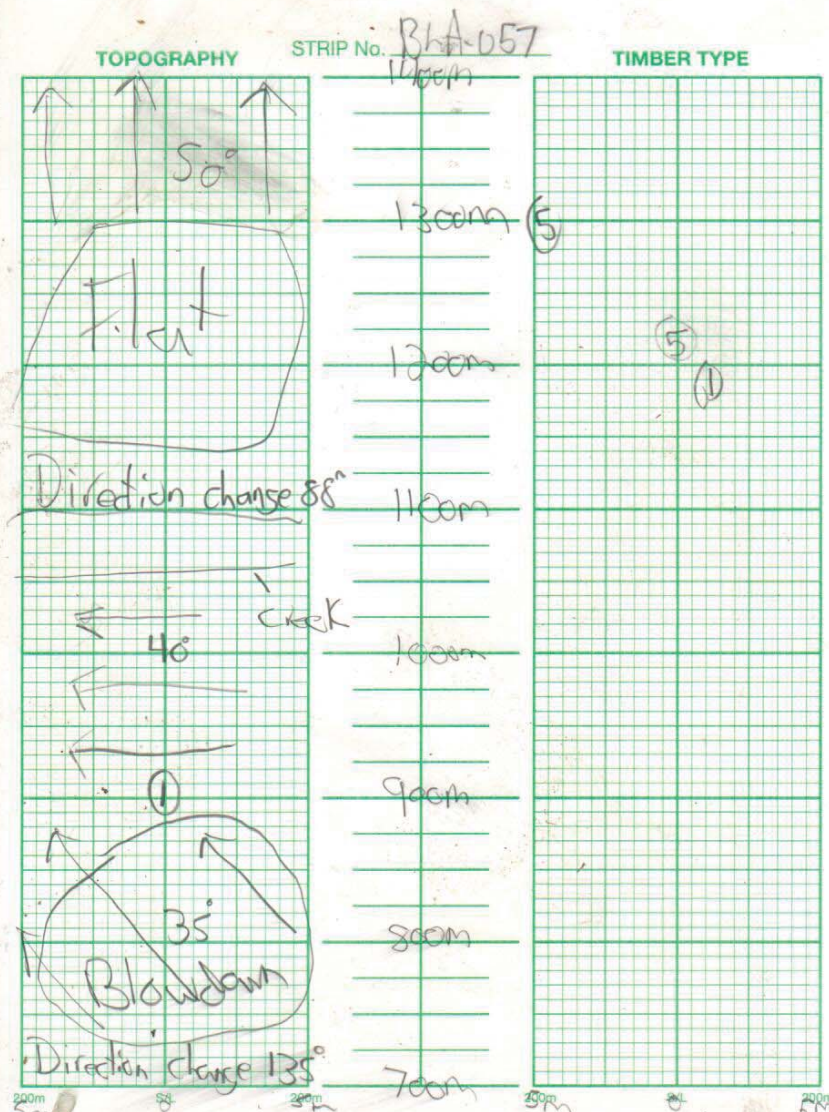


BEETLE PROBE CARD

LOCATION		ELEVATION		LATITUDE		PAGE OF				
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	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									
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										
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
2A	2	0	4	0	6					
2B	3	0	0	0	3					
COMMENTS BARK SAMPLE										
CREW NAMES						DATE Y M D				

STRIP NO.: BLA-57 DIRECTION: 278°, 315°
START STRIP: 0-700
JOB NO.: Seneca/walk DATE: Oct 16, 15
CREW: _____
REMARKS: quad 1.55, walk 1.23 Km

STRIP NO.: BLA-57 DIRECTION: 210, 920
START STRIP: 700-1400
JOB NO.: Seneca/walk DATE: Oct 16, 15
CREW: Pat Poirier
REMARKS:



STRIP NO.: BLA-057 DIRECTION: 135° (400m), 88° (335m)
 START STRIP: 700m - 1400m
 JOB NO.: Senecon Walkthrough DATE: Oct. 16/15
 CREW: Darren V.
 REMARKS:



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