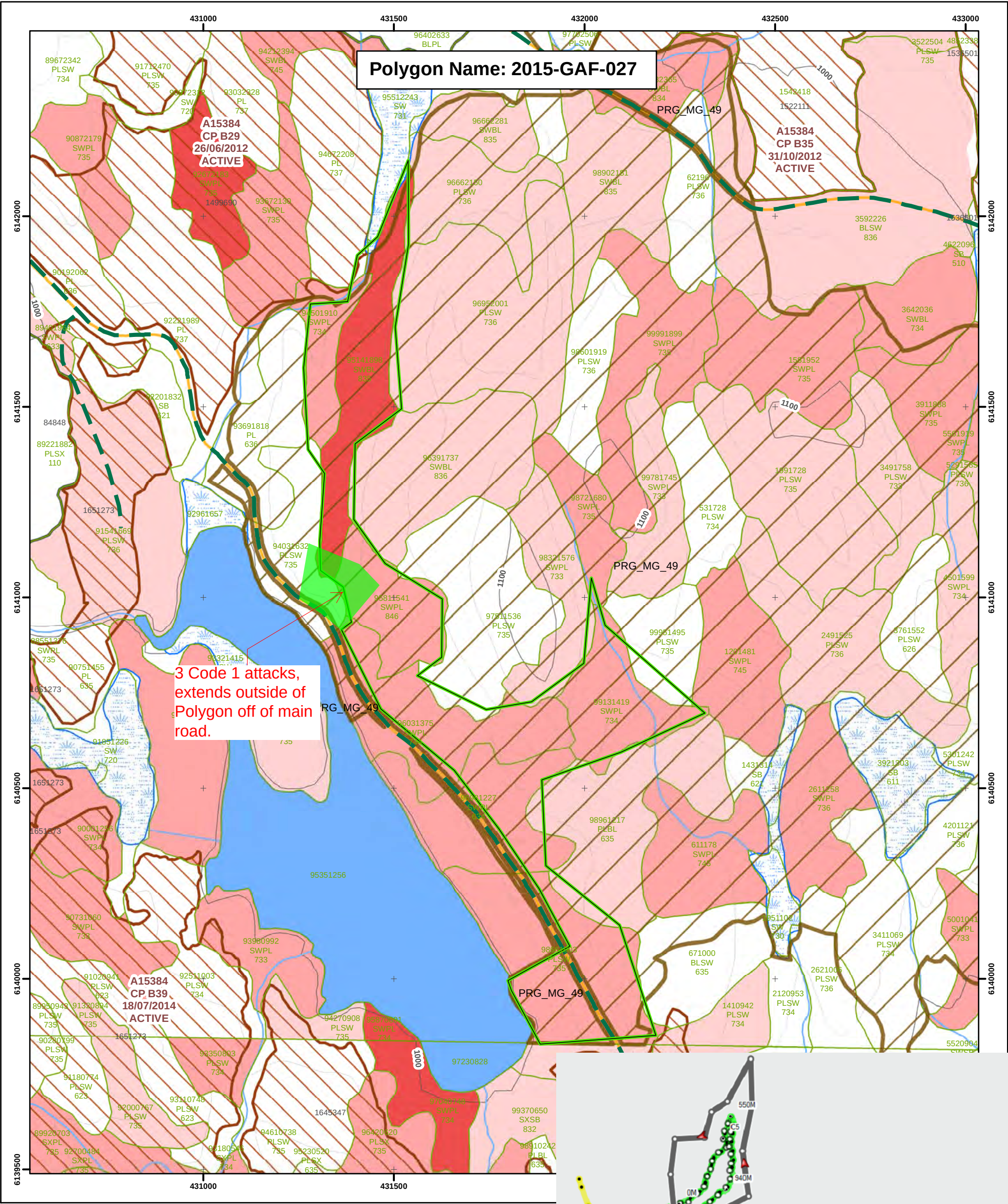
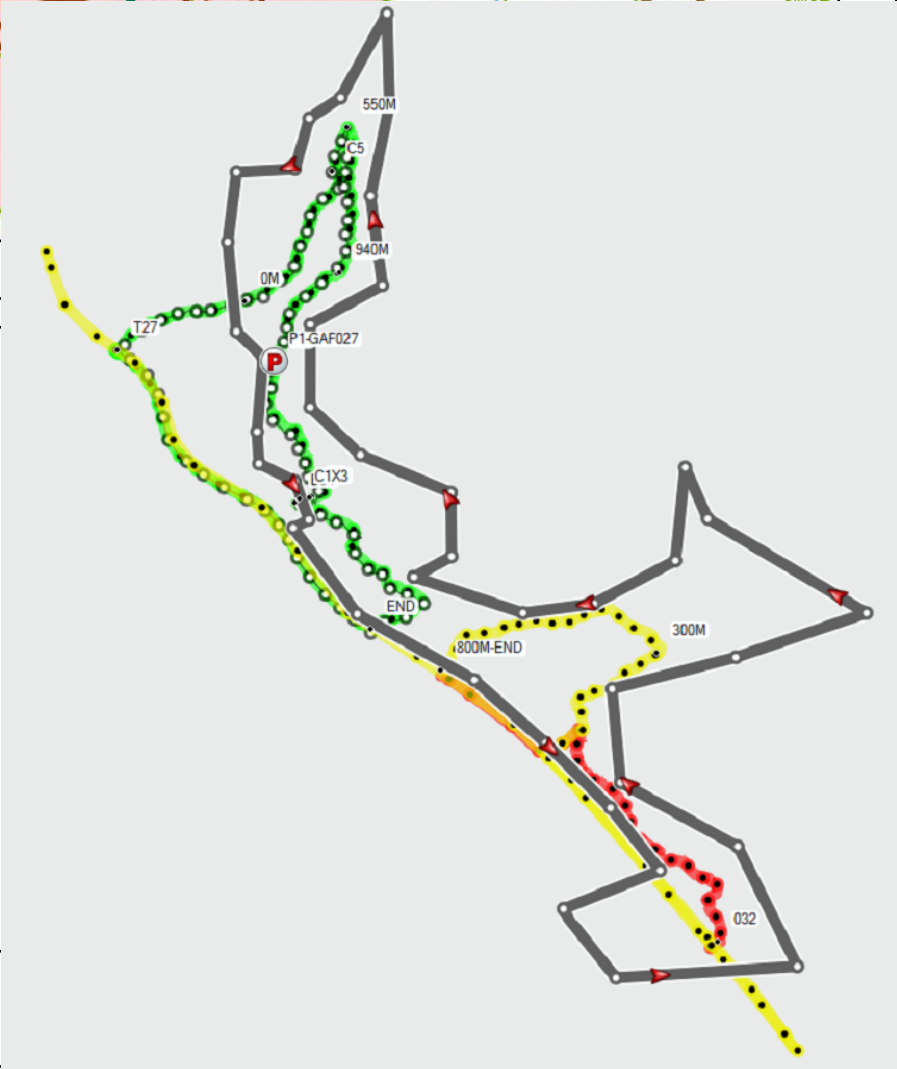






Ministry of
Forests, Lands and
Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2015-GAF-027

Landscape Unit/BMU: Gaffney
Region: Omineca
District: Mackenzie
Mapsheet: 093N08
Hectares: 51.47
Scale: 1:10,000
When plotted on 11x17
Coordinate System: NAD 1983 UTM Zone 10N
Datum: North American 1983
Date Drawn: 02/12/2015
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
- VRI Polygon
- Beetle Management Unit
- Natural Resource District
- Road Permit Active
- Road Permit Pending
- Km Markers



00.10.20.40
Kilometers

**SENECA ENTERPRISES LTD.**

PO BOX 1902, PRINCE GEORGE, BC, V2L 5E3

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

**SPRUCE BARK BEETLE REPORT
FH16DMK016,017**

POLYGON: 2015-GAF-027

HECTARES:

51.47

WALKTHROUGH DISTANCE:

3500

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)

1 2.9%

SUMMARY OF CURRENT INFESTATION

Walkthrough had three code 1's within polygon and three outside polygon along road. This was the only attack identified within the walkthrough, some older attack Code 5's in the northern portion of Polygon.

ISOLATED MODERATE ATTACK**ACCESS**

Good truck access off of mainline running length of west side of polygon.

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

Roadside access, minimal slopes with steeper section in the southeast where no attack. South polygon had area of heavy dead pine and balsam.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Infestation mainly centered just off mainline in the middle of the polygon. There were some older attacked code 5's in North section of polygon.

INCIDENCE AND SEVERITY OF ATTACK

3 code 1 attacks found inside and outside polygon just off of mainroad in center of polygon. 1 probe line with low attack and larval densities noticed. Light salvage rating and probe line established in attacked area.

RISK OF BEETLE SPREAD

Lake along east boundary and infestation seems to be mostly in the northern part of polygon as to the south mix of dead pine and balsam. Could spread within northern sections of polygon.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Along mainline, flat in areas with infestation.

RECOMMENDATIONS**OPTION 1****TRAP TREES**

Sanitation and salvage rating Moderate from the one probe line taken where recent code 1's found. This area is adjacent to mainline and had some other code 1's just outside polygon. These trees are on a 2 year cycle and trap tree trail may get any extra trees and when hauled out could remove these infested trees at the same time.

OPTION 2**MONITOR/ BAIT**

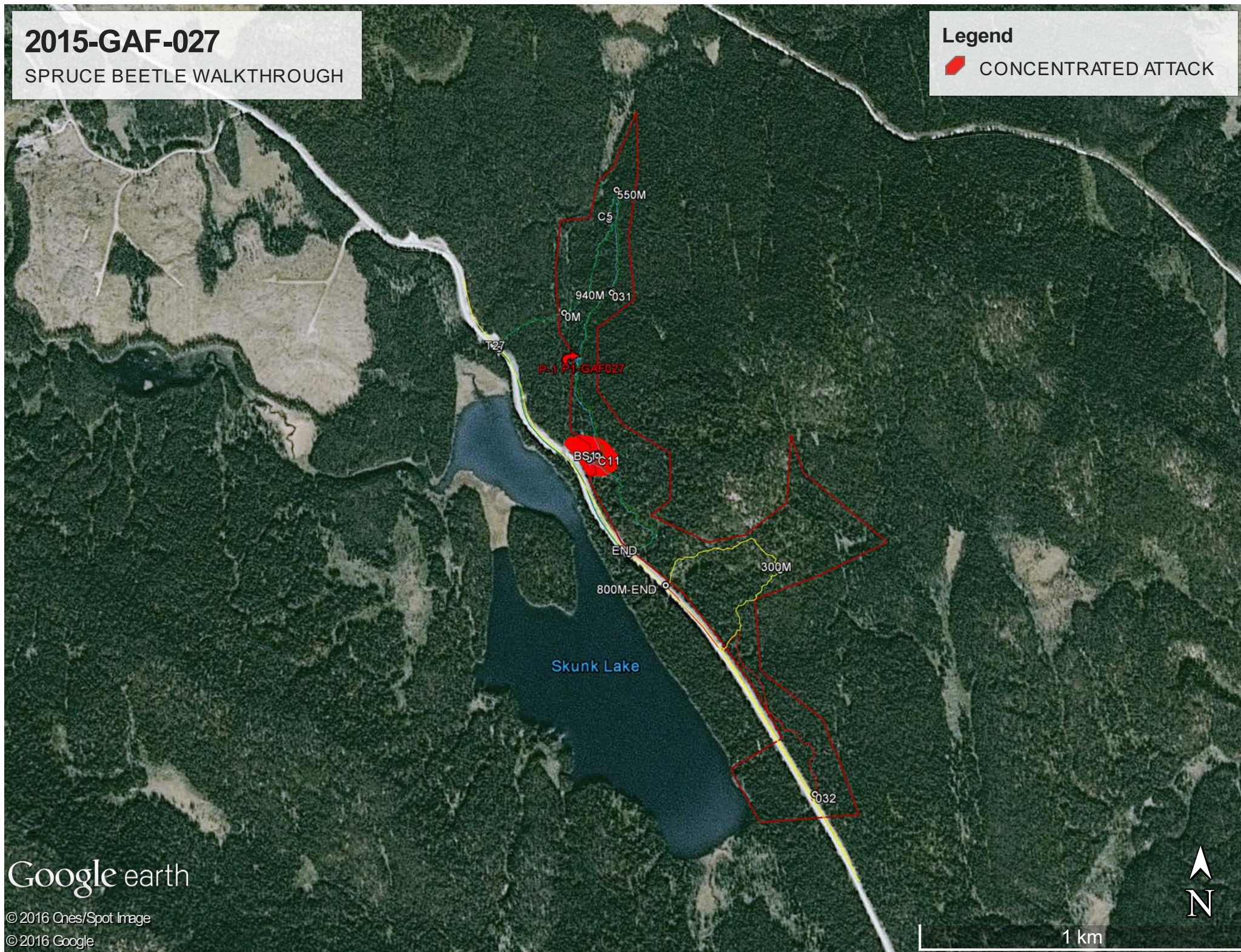
Monitor area as beetle will fly in 2017. Could set up baits as good access and schedule another walkthrough 2016/2017

2015-GAF-027

SPRUCE BEETLE WALKTHROUGH

Legend

 CONCENTRATED ATTACK



Google earth

© 2016 Qnes/Spot Image

© 2016 Google



BEETLE PROBE CARD

LOCATION	0431337	ELEVATION	1040	LATITUDE		PAGE	OF			
GAF 027	6141313									
BEARING	180	STRIP LINE NO	P1	STRIP WIDTH	10m	DISTANCE	100m			
				BEETLE SPECIES	☒ SB ☐ MPB ☐ DFB					
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
									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		21	1			3		25		
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked Unattacked				
N	1	0	1	/	/	/	/	/	/	/
S	/	/	/	/	/	/	/	/	/	/
COMMENTS (BS) = Bark Sample ①										
CREW NAMES						DATE				
James Kelly / Darryl D.						16 01 19				

FS 1111A RPG 00/02 7530881049 (100/bdl)



BEETLE PROBE CARD

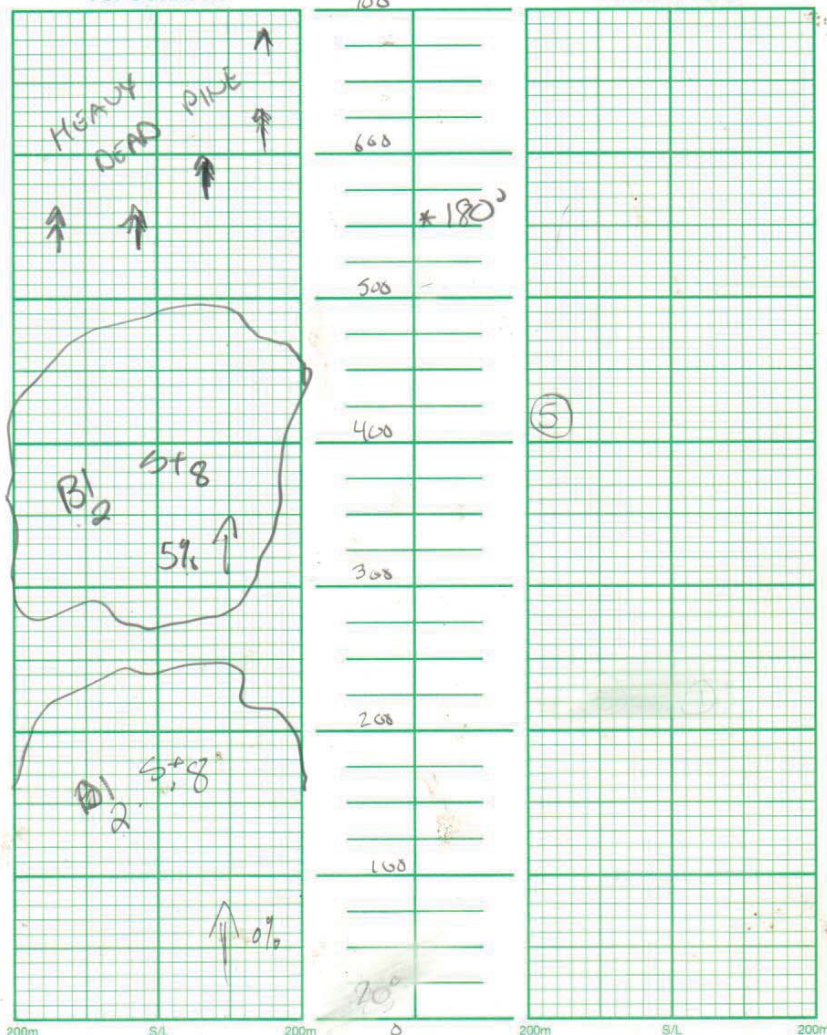
LOCATION	0431366	ELEVATION	1040	LATITUDE		PAGE	OF			
GAF-027	6140976									
BEARING		STRIP LINE NO		STRIP WIDTH		DISTANCE				
				BEETLE SPECIES	☐ SB ☐ MPB ☐ DFB					
DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
									MAIN	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				
N	1	/	/	/	/	/	/	/	/	/
S	2	/	1	/	/	/	/	/	/	/
COMMENTS										
CREW NAMES						DATE				
James / Darryl						16 01 19				

FS 1111A RPG 00/02 7530881049 (100/bdl)

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1

DIRECTION: 20°-180°

START STRIP: 0m

JOB NO.: GAF-027

DATE: JAN 14 / 2016

CREW: James / Darryl

REMARKS:

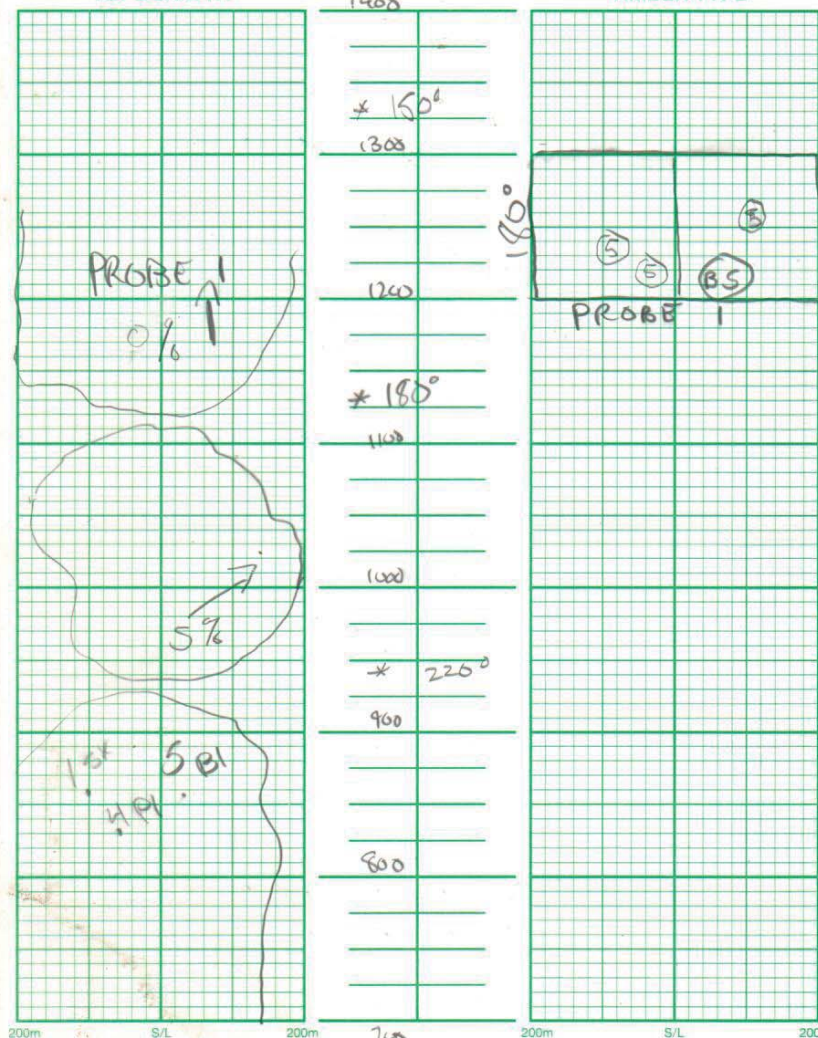


www.irisupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1

DIRECTION: 270°-180°-150°

START STRIP: 700m

JOB NO.: GAF-027

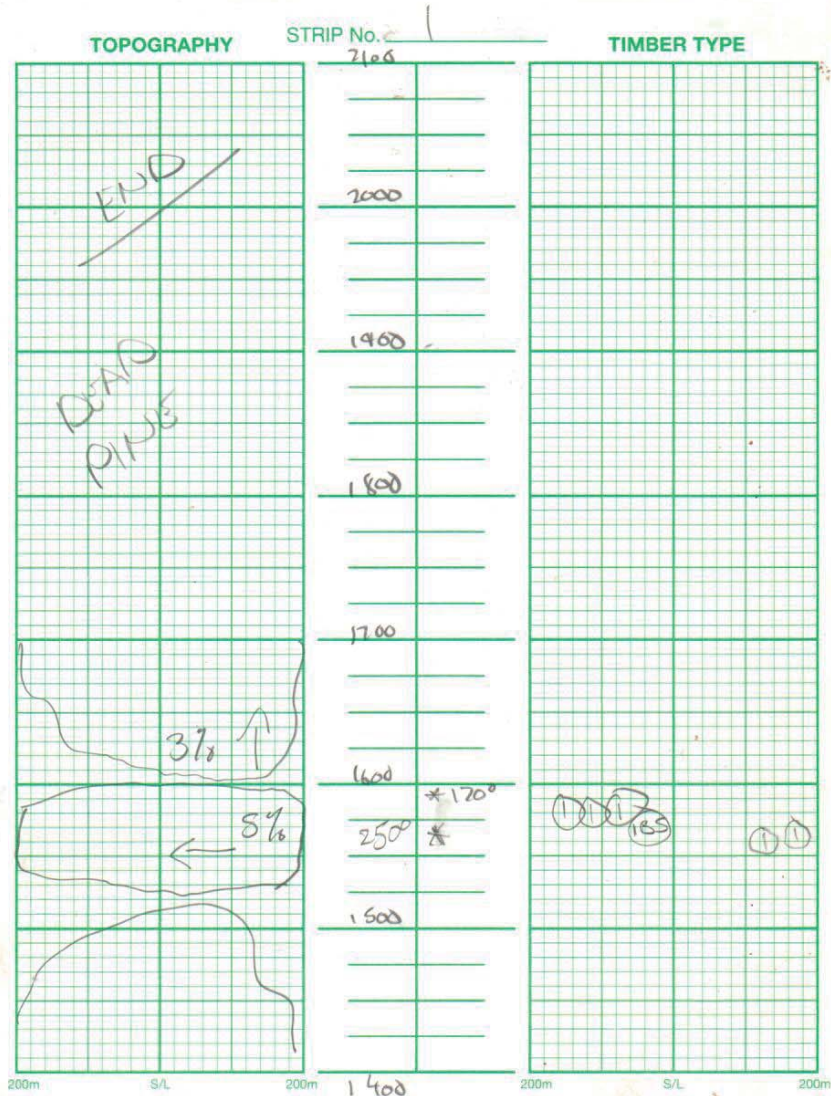
DATE: JAN 14 / 2016

CREW: James / Darryl

REMARKS:



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



STRIP NO.: 1 DIRECTION: 250°-120°

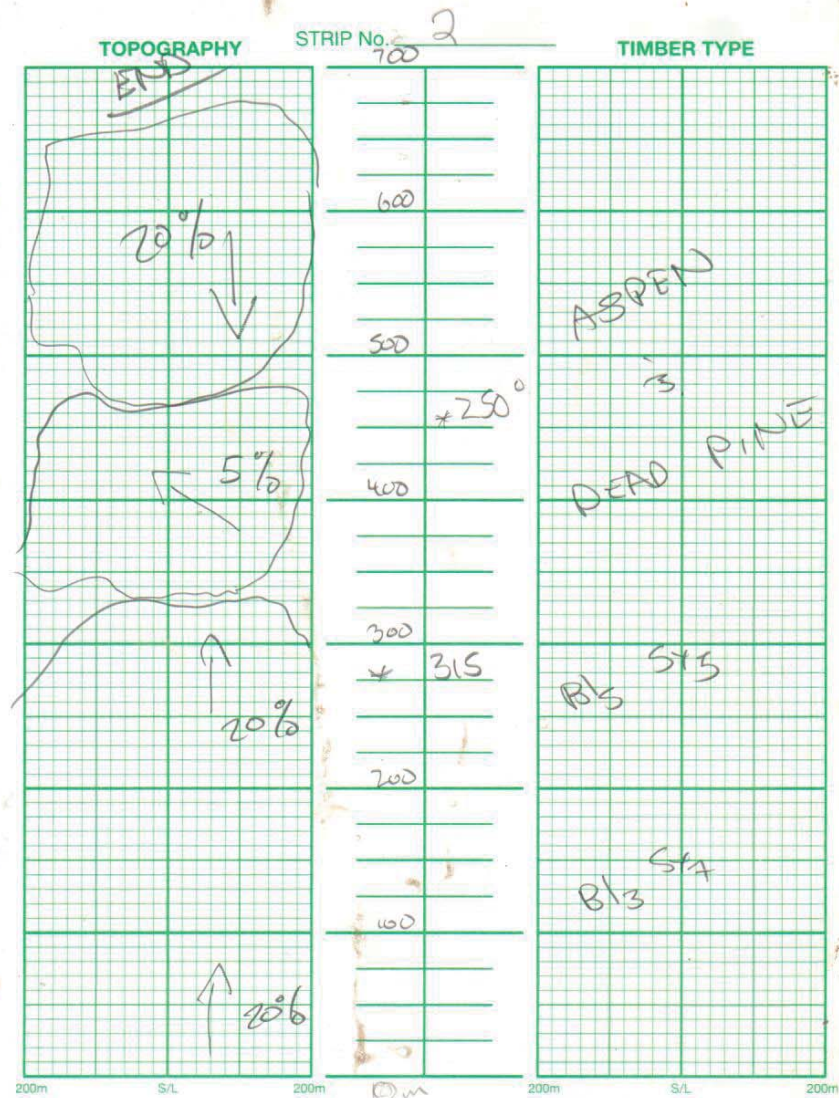
START STRIP: 1400

JOB NO.: GAF-027 DATE: Jan 19 / 2016

CREW: James Derry

REMARKS:

irl www.irlsupplies.com Ph: 1-800-663-6843



STRIP NO.: 2 DIRECTION: 35°, 315°, 250°

START STRIP: 0m

JOB NO.: GAF 027 DATE: Jan 20 / 2016

CREW: James Kelly

REMARKS: No Attack

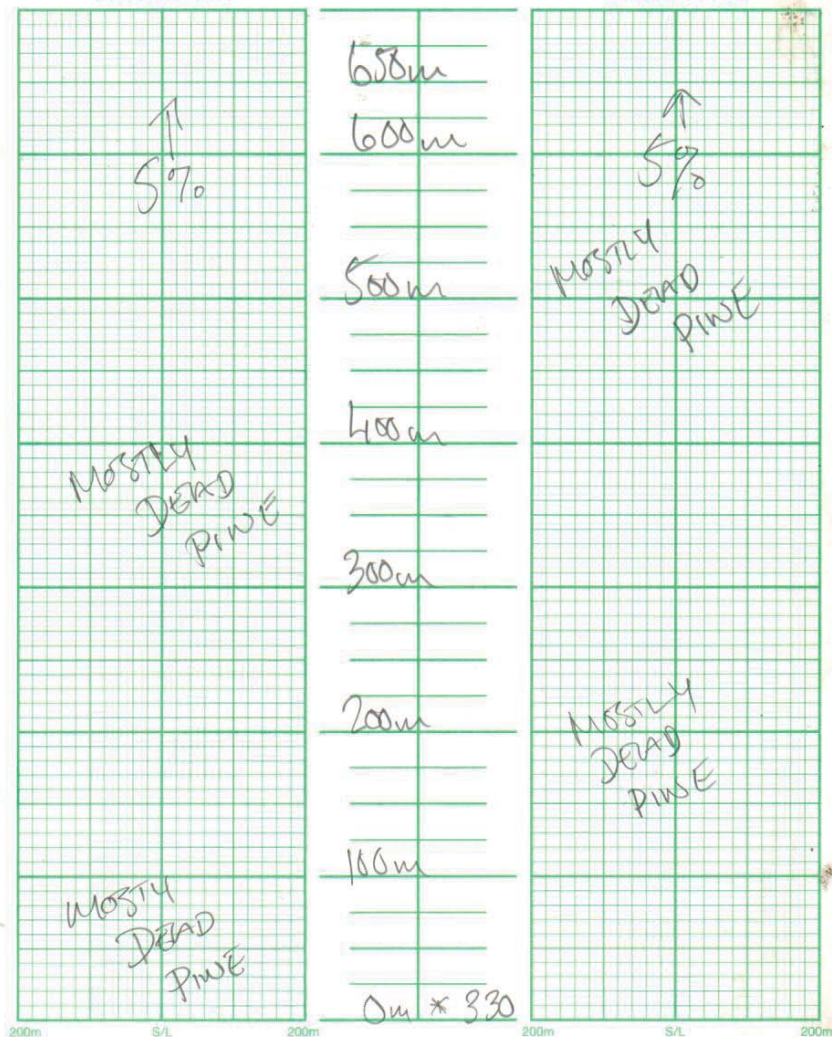
irl www.irlsupplies.com Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No.

3

TIMBER TYPE



STRIP NO.:

3

DIRECTION:

330°

START STRIP:

0m

JOB NO.:

GAP-027

DATE:

Jan. 20

CREW:

DARRYL JAMES

REMARKS:

MOSTLY DEAD PINE



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