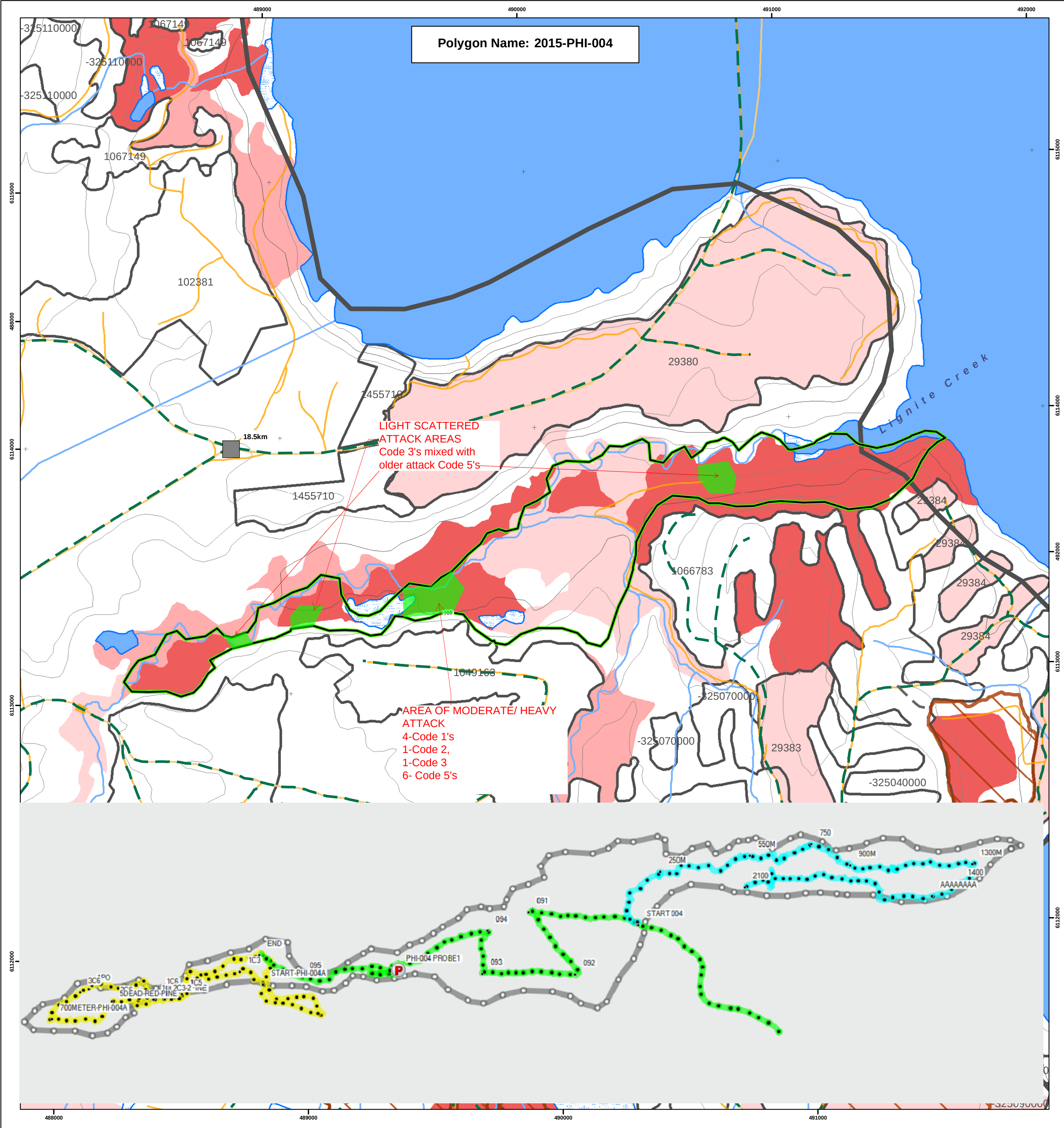






Ministry of
Forests, Lands and
Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2015-PHI-004

Landscape Unit/BMU: Philip

Region: Omineca

District: Mackenzie

Mapsheet: 093003

Hectares: 80.95

Scale: 1:10,000

When plotted on ANSIC

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

Lakes and Rivers

Wetlands

Streams

0

0.1

0.2

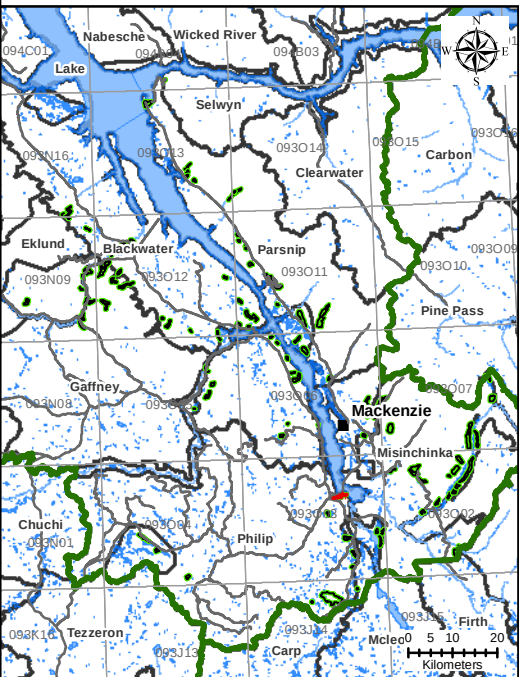
0.4

Kilometers

Disclaimer

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

Key Map



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**SPRUCE BARK BEETLE REPORT
FH16DMK010**POLYGON: **2015-PHI-004**

HECTARES:

80.95

WALKTHROUGH DISTANCE:

5600

ESTIMATED INFESTED PIXELS FROM

WALKTHROUGH (Code 1-4)

4**7.1%****SUMMARY OF CURRENT INFESTATION**

Walkthrough estimate shows only 4 infested pixels and they are spread out within polygon. The Patch in the middle of the polygon where the probe line taken is heavier with more attack than the other 3 areas. Access is good to center of attack and is along the edge of a cutblock. Probe line established in heavier attack area and shows a heavy sanitation rating.

MODERATE ATTACK (Middle) LIGHT SCATTERED ATTACK (East and West)

ACCESS

Access 4WD on cutblock roads, than walk in to both east and west locations of polygon 0-300m.

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

Slopes in north and south down to darinage which runs through polygi east to west. Scattered dead pine throughout polygon, stand mix 60% Spruce, 40% Balsam. Polygon boundaried by cutblocks around 80% of it, Williston Lake on East point.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Infestation has Code 1/2 attack in Center of Polygon and code 3 attack scattered in east and west areas along creek. Attack is quite heavy in the center with 4- Code1's, 1 Code 2, 1 Code 3 and 6 Code 5's identified.

INCIDENCE AND SEVERITY OF ATTACK

1 probe line identified a moderate attack density and mean larval density. Heavy Sanitation and Salvage rating in this area. Outer areas also have older attack with some Code 3 attack lightly scattered.

RISK OF BEETLE SPREAD

Polygon is surrounded by cutblocks and has a moderate risk of spread within polygon, and low risk of spread outside of polygon.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access off of existing cutblock road that enter from the SE and SW. Minimal slopes within polygon, is a drainage that uns the length into the East to Williston Lake.

RECOMMENDATIONS**OPTION 1****PROBE.HARVEST**

Probe to identify areas requiring harvesting to determine severity and better define area of attack. The center of Polygon has heavier attack with recent attack and Code 3 2014 attack. There are scattered single trees idetified of 2014 attack to the east and west.

OPTION 2**TRAP TREES**

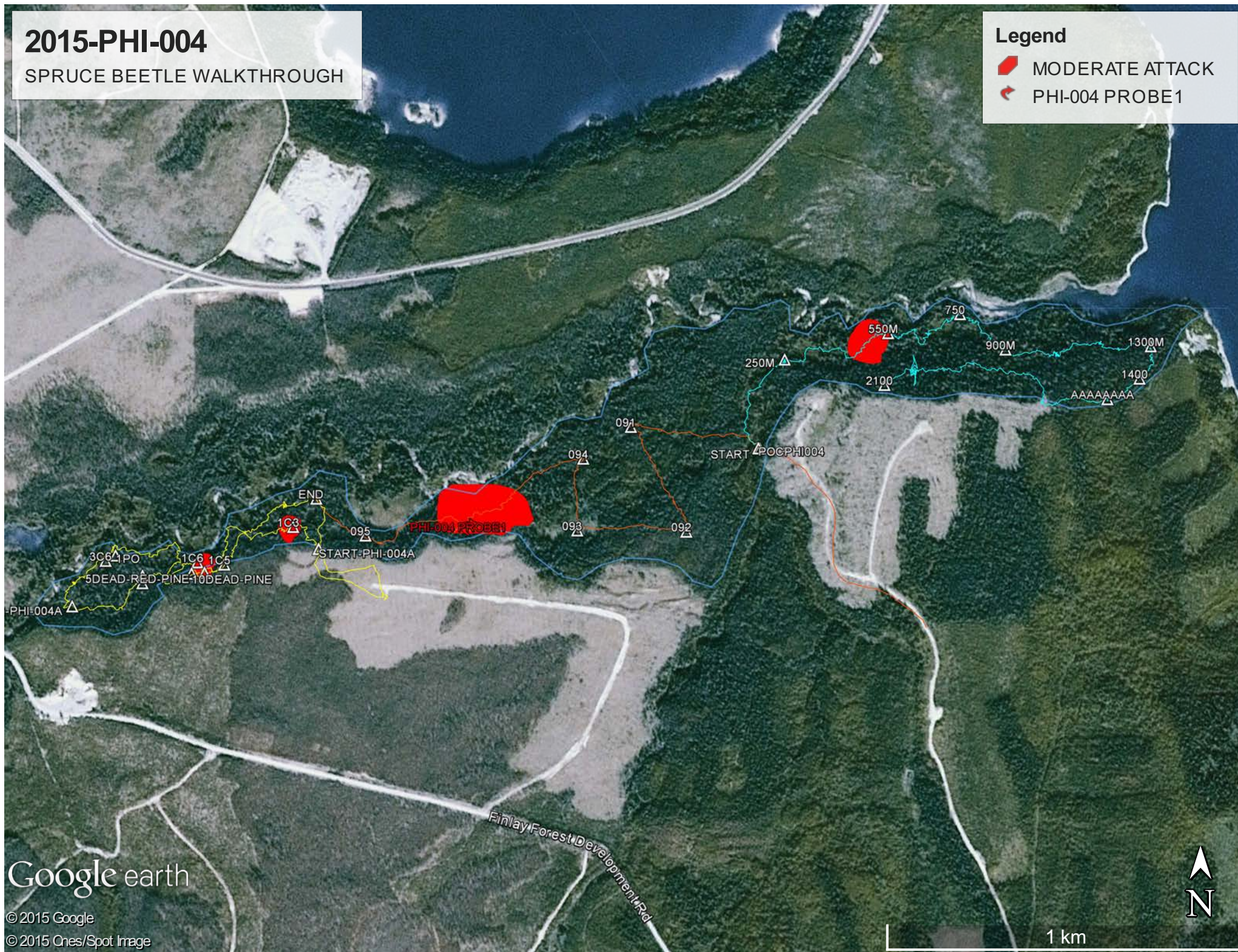
Lay trap tree trail as good access to hold infestation.

2015-PHI-004

SPRUCE BEETLE WALKTHROUGH

Legend

-  MODERATE ATTACK
-  PHI-004 PROBE1





PROBE 1

BEETLE PROBE CARD

LOCATION	N 55 09.480 W 123 09.821		ELEVATION	LATITUDE		PAGE	OF			
PHI-004										
BEARING	STRIP LINE NO	STRIP WIDTH	DISTANCE	BEETLE SPECIES						
85°	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	
									MAIN	OTHER
			1	2	3	4	5	6		
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	.		①						
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		22	4						18	
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
N	2	/	3	/	/					
S	1	/	2	/	/					
COMMENTS										
① = BS										
- OPEN STAND.										
CREW NAMES						DATE				
DALEY / PAT / ARON						Y M D				
						15			11 05	

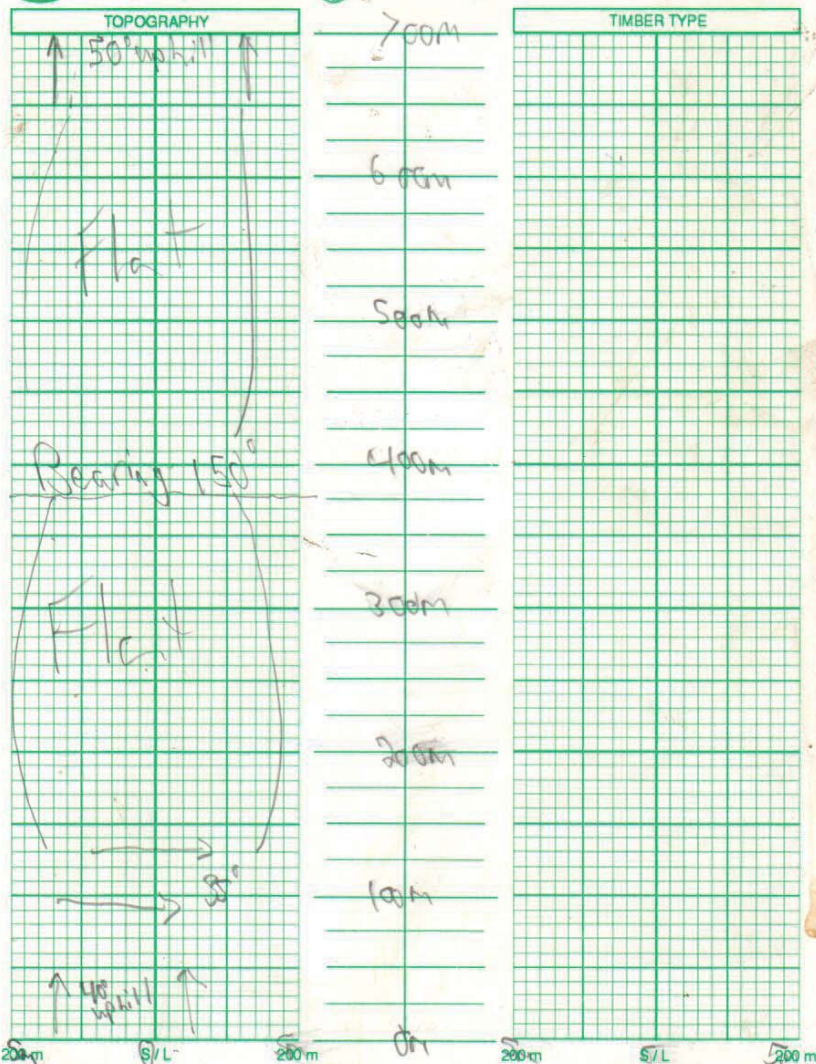


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COMPASS AND TRAVERSE



C.P. No. PHI-004	BLOCK
DIRECTION 270°	START OF STRIP 5m - 700m
JOB NO. Sensor Walkthrough	DATE Nov 5/15
CREW Feilen, V	
REMARKS	

FS 375 HVA 92/01

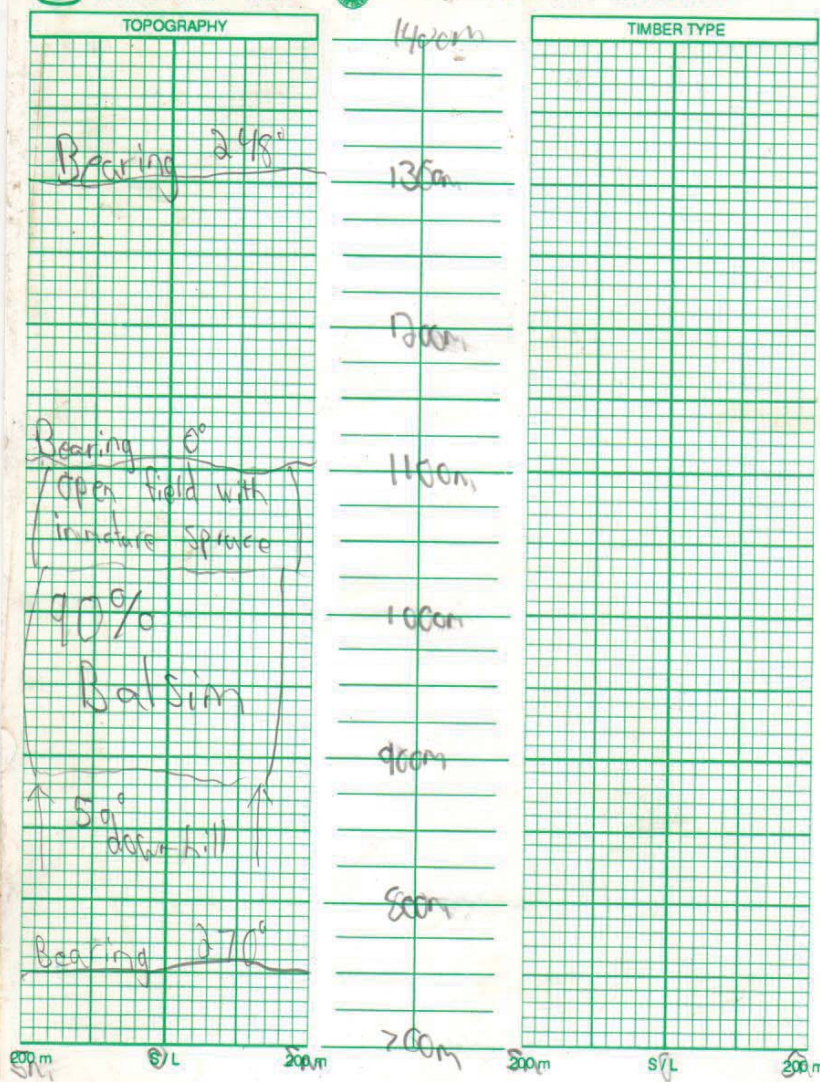


Province of
British Columbia

Ministry of
Forests



COMPASS AND TRAVERSE



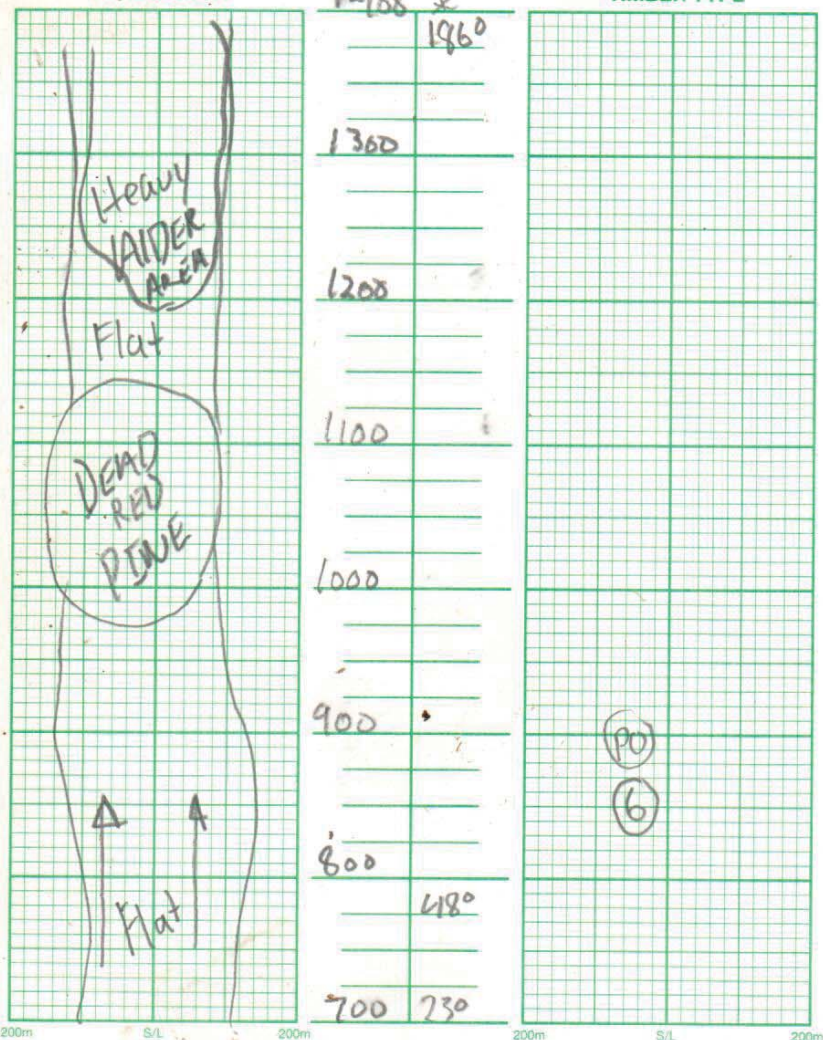
C.P. No. PHI-004	BLOCK
DIRECTION 270° (350m), 0° (200m)	START OF STRIP 700m - 1400m
JOB NO. Sensor Walkthrough	DATE NOV 5/15
CREW Feilen, V	
REMARKS	

FS 375 HVA 92/01

TOPOGRAPHY

STRIP No.

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 230°
 START STRIP: 700 - 1400
 JOB NO.: PH1-004 DATE: Nov 5, 15
 CREW: Pat Poirier
 REMARKS:

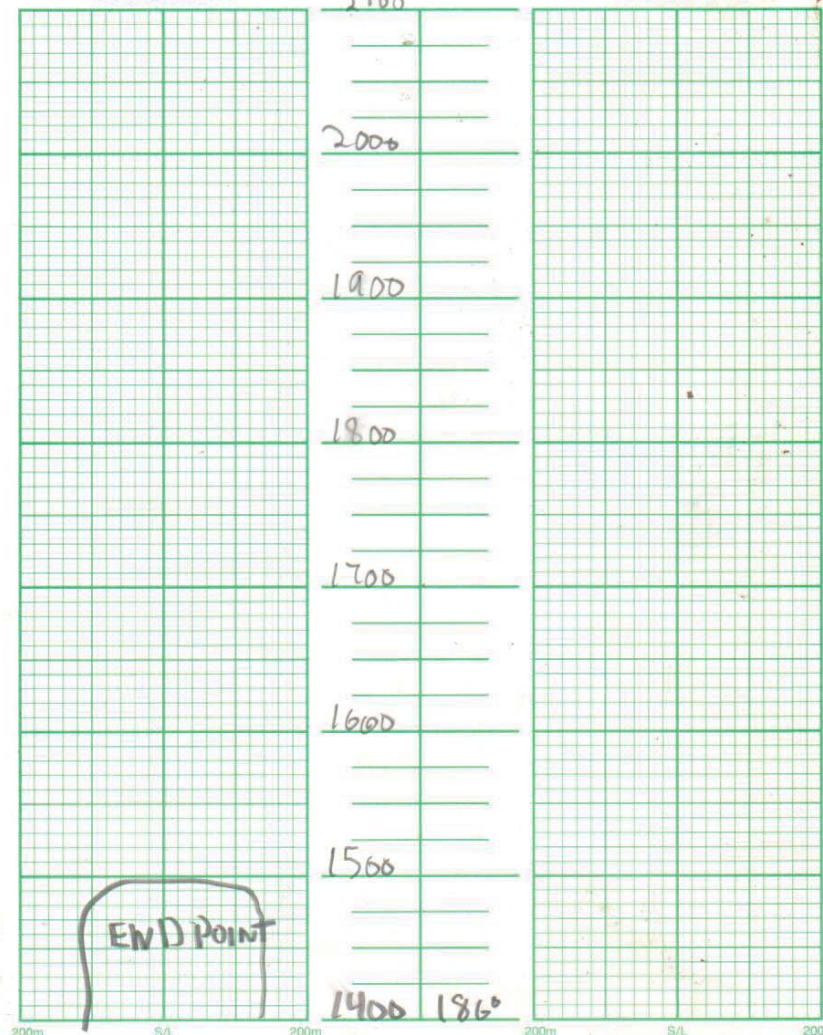


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TOPOGRAPHY

STRIP No.

TIMBER TYPE



STRIP NO.: 1 DIRECTION:
 START STRIP: 1400 - 2100
 JOB NO.: PH1-004 DATE: Nov 5, 15
 CREW:
 REMARKS:



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TOPOGRAPHY

STRIP No.

PHI-004

TIMBER TYPE

60/40 Sw/B1	1050		
40% Slope			
	1000		
40% Slope			
70/30 Sw/B1	950		
30% Slope			
70° bearing	900		
40% Slope			
	850		
70/30 Sw/B1	800		
70/30 Sw/B1	750		
60/40 Sw/B1	700		

STRIP NO.:

DIRECTION:

START STRIP:

JOB NO.:

DATE:

CREW:

REMARKS:



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TOPOGRAPHY

STRIP No.

TIMBER TYPE

60/40 Sw/B1	1500		
5% Slope			
250° bearing	1400		
Scale change			
185° bearing	1300		
70% Slope	1250		
70% Slope	1200		
60% Slope	1150		
70/30 Sw/B1	1100		
60% slope	1050		
60/40 Sw/B1			
60% Slope			

STRIP NO.:

DIRECTION:

START STRIP:

JOB NO.:

DATE:

CREW:

REMARKS:



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TOPOGRAPHY

STRIP No.

P1-12-004

TIMBER TYPE

60% Slope	2100		
70/30 Sw/B1	2000		
70/30 Sw/B1	1900		
60% Slope	1800		
70% Slope			
70/30 Sw/B1	1700		
70/30 Sw/B1	1600		
60% Slope	1500		

STRIP NO.:

DIRECTION:

START STRIP:

JOB NO.:

DATE:

CREW:

REMARKS:



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