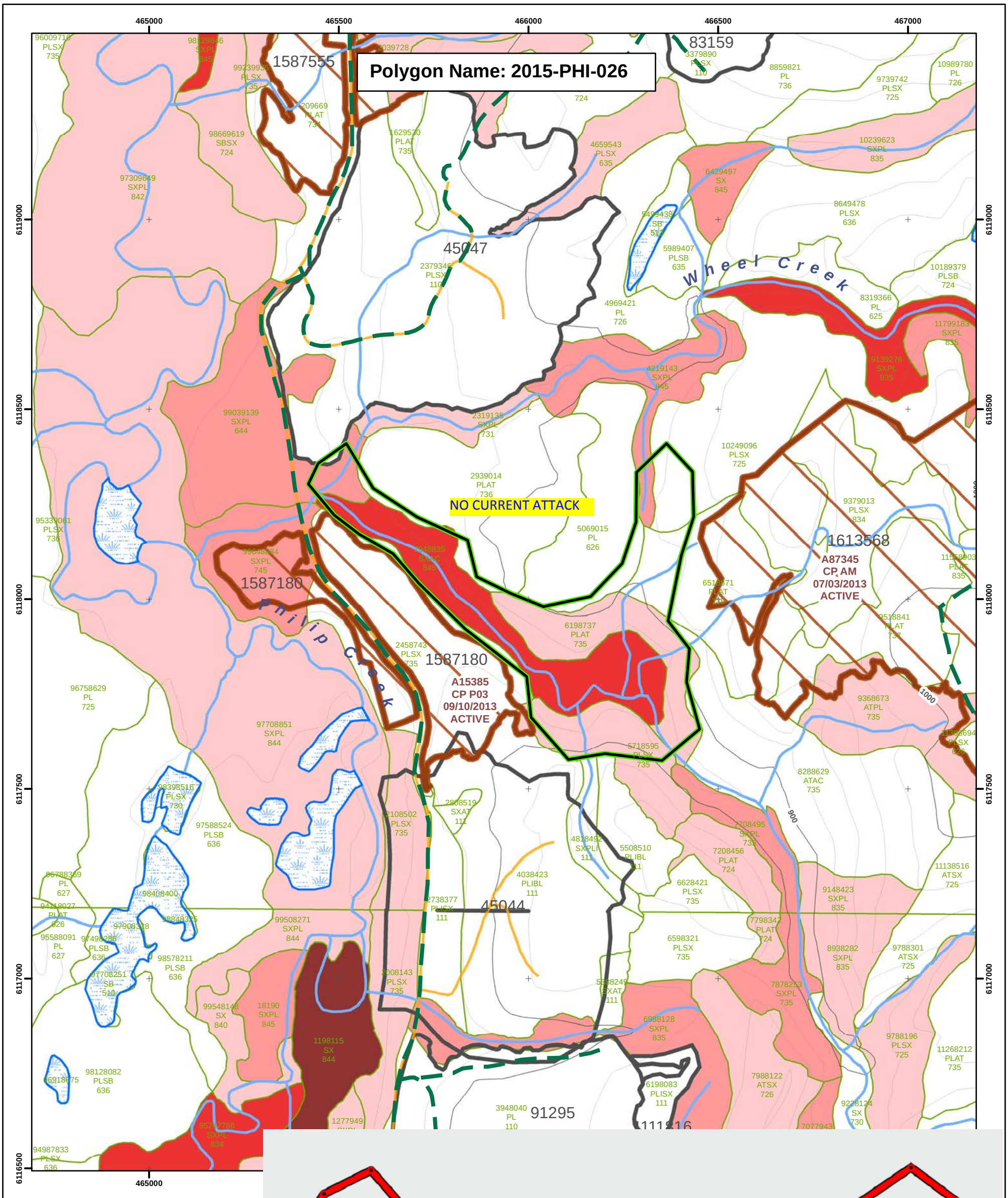
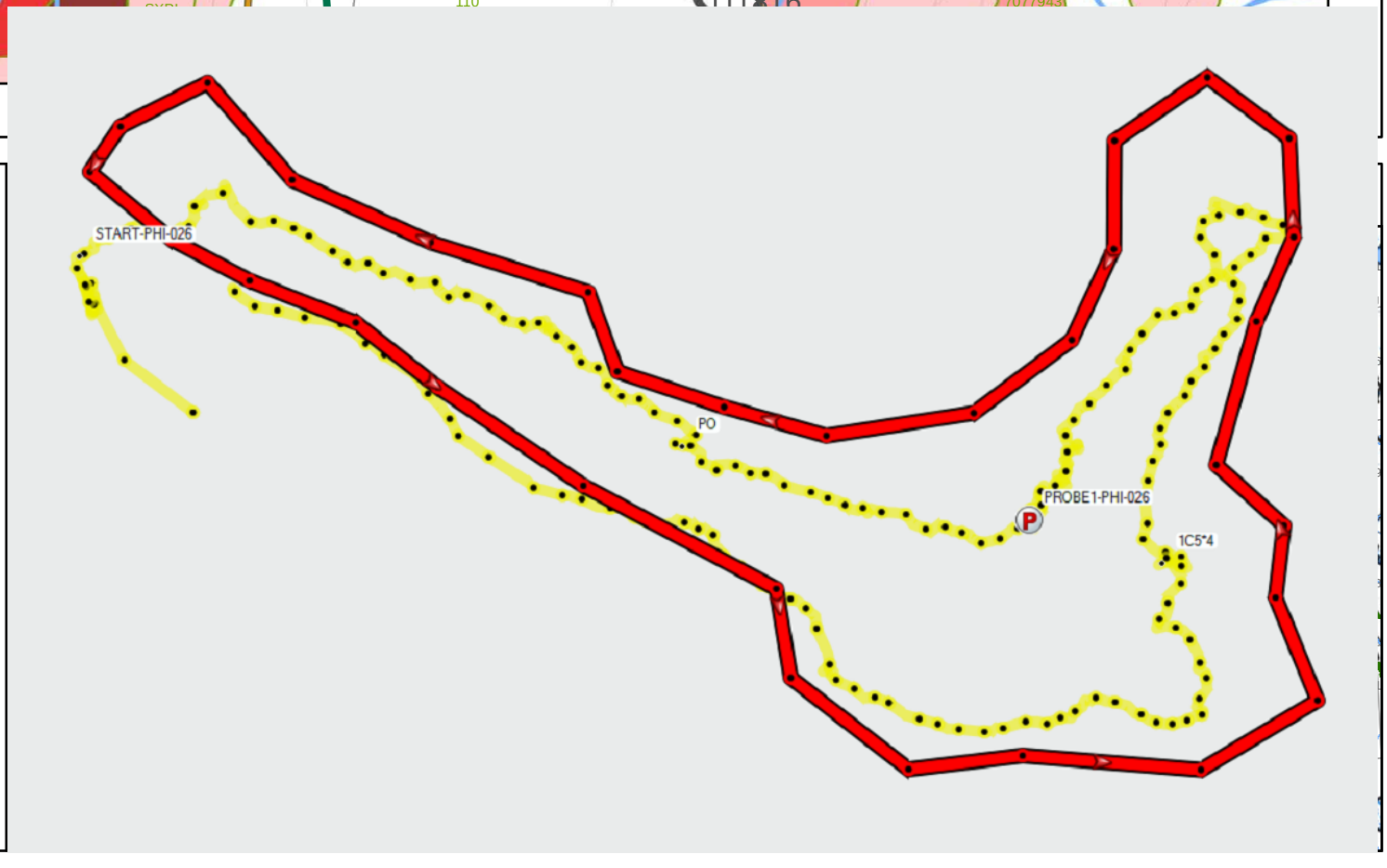




Ministry of Forests, Lands and Natural Resource Operations

Spruce Bark Beetle Field Map

Polygon Name: 2015-PHI-026

Landscape Unit/BMU:	Philip
Region:	Omineca
District:	Mackenzie
Mapsheet:	093O04
Hectares:	32.24
Scale:	1:10,000
When plotted on 11x17	
Coordinate System:	NAD 1983 UTM Zone 10N
Datum:	North American 1983
Date Drawn:	01/11/2015
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: **2015-PHI-026** HECTARES: 32.24

WALKTHROUGH DISTANCE: 2100

ESTIMATED INFFESTED PIXELS FROM WALKTHROUGH (Code 1-4) 0 **0.0%**

SUMMARY OF CURRENT INFESTATION

Walkthrough found no current signs of attack. Polygon is to the east of Polygon PHI-025 and is surrounded by cutblocks. A couple of pockets of Code 5 attacked trees found and light in intensity. Also, 1 pitchout noticed in walkthrough.

NO CURRENT ATTACK.

ACCESS

Access to the west point of Polygon by 4WD. Polygon is located to the East of Polygon 2015-PHI0025

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

Slopes on North and South sides going down to drainage where spruce stand is most prominent. Polygon has areas of dead pine throughout and has plantations to the north and south.

SIZE, BOUNDARY and PATTERN OF INFESTATION

Polygon had no signs of recent attack from walkthrough. There were pockets of old Code 5 attack and evidence of 1 pitchout tree with no beetle present.

INCIDENCE AND SEVERITY OF ATTACK

Very light intensity as no currrent attack beetle was found. A couple of patches of code 5 attack near draws, but only 1 pitchout noticed,

RISK OF BEETLE SPREAD

Polygon has plantations surrounding it and no current attack found.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access to west edge, has a drainage running through polygon with some steep slopes. Areas of Dead pine and corresponding blowdown.

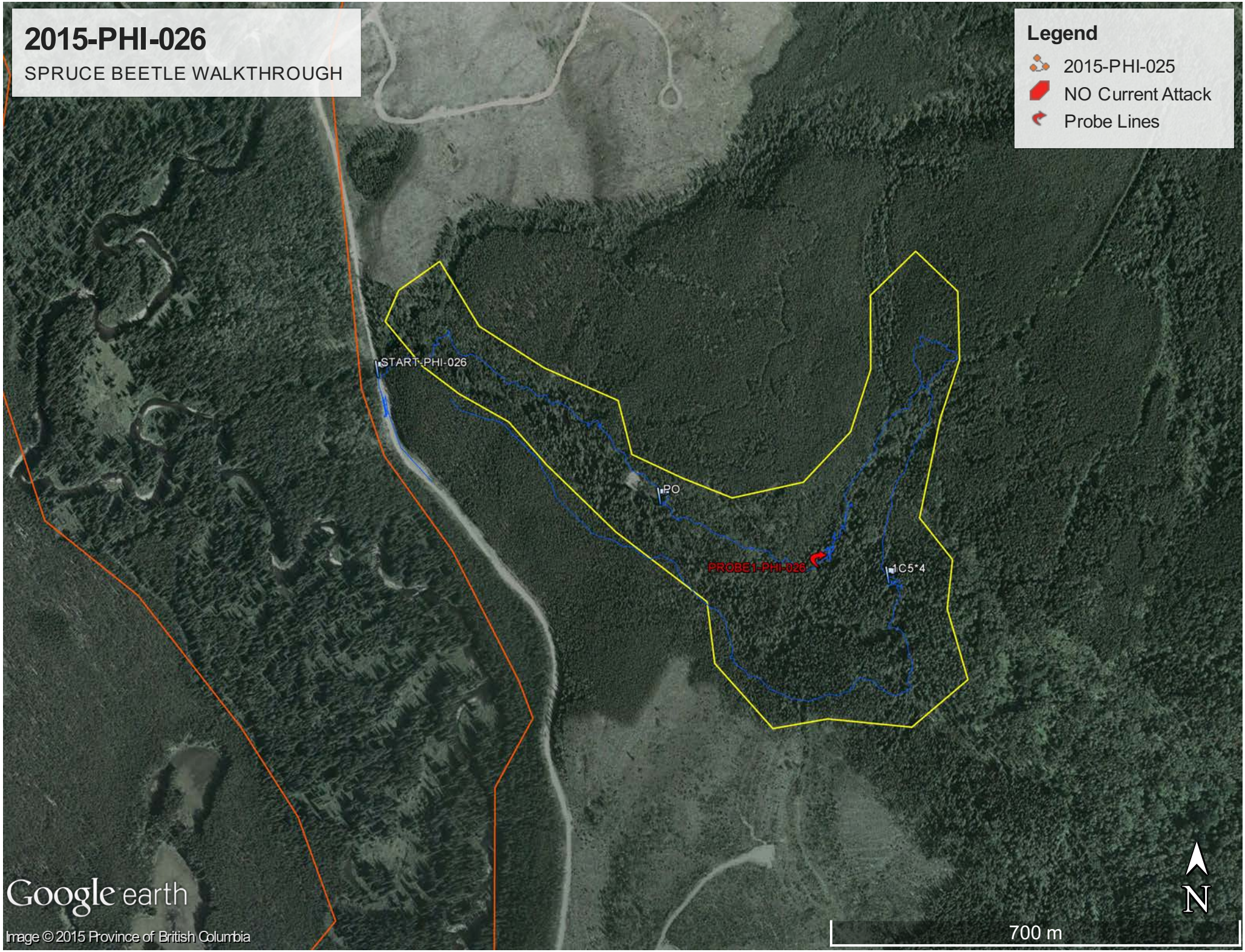
RECOMMENDATIONS

OPTION 1 **MONITOR**

No Current attack but polygon shows signs of odler attack and evidence of 1 pitchout. There may be isolated trees of attack and may want to schedule another walkthrough although surrounded by cutblocks.

OPTION 2 **NO ACTION**

No action required.


2015-PHI-026
SPRUCE BEETLE WALKTHROUGH
Legend
2015-PHI-025
NO Current Attack
Probe Lines
START-PHI-026
PO
PROBE1-PHI-026
1C5*4
Google earth
Image © 2015 Province of British Columbia
N
700 m

Summary

2015-PHI-026	HEC	32.24	METERS WALKED	2100	% TRAVERSED	6.5%
PIXELS COVERED BY WALKTHROUGH	21	INFESTED PIXELS	0	**ESTIMATED % OF BLOCK INFESTED (From Walk through)**		**0.0%**

TABLE 5- Spruce Beetle Infestation Summary Sheet

OF NOTE- Results taken from a 100m Probe Line established at 1 per 50 hectares to represent

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES
			2015		2014		2013		
			1	2	3	4	5	6	
17.5-25.0	3.3	0	0.0	0.0	0.0	0.0	0.0	0.0	19.8
25.1-30.0	5.3	10.6	0.0	0.0	0.0	0.0	0.0	0.0	31.8
30.1-35.0	7.1	21.3	0.0	0.0	0.0	0.0	0.0	0.0	21.3
35.1-40.0	9.4	9.4	0.0	0.0	0.0	0.0	0.0	0.0	28.2
40.1-45.0	11.6	46.4	0.0	0.0	0.0	0.0	0.0	0.0	11.6
45.1-50.0	13.8	69	0.0	0.0	0.0	0.0	0.0	0.0	0
50.1-55.0	16.2	48.6	0.0	0.0	0.0	0.0	16.2	0.0	0
55.1-60.0	18.7	74.8	0.0	0.0	0.0	0.0	0.0	0.0	0
60.1 +	25.3	0	0.0	0.0	0.0	0.0	0.0	0.0	0
TOTALS	296.3	280.1	0.0	0	0.0	0.0	16.2	0	112.7

TABLE 4- Spruce Beetle Attack Density and Larval Density Rating

MEAN NO. OF ENTRANCE HOLES PER 225 cm2 PHLOEM SAMPLE		MEAN NO. OF LIVING LARVAE PER 225 cm2 PHLOEM SAMPLE	
	< 1 LOW Attack Density		< 4.9 LOW Mean Larval Density
	1.0- 1.9 MOD Attack Density		5.0 - 14.9 MOD Mean Larval Density
	2.0 - 3.9 HIGH Attack Density		15-24.9 HIGH Mean Larval Density
0.00	< 3.9 SEVERE Attack Density	**0.00**	>24.9 EXTREME Mean Larval Density

TABLE 2- Spruce Beetle Management Options after Walkthrough

% 2015 ATTACK	0.0%	0.0	SANITATION AND SALVAGE HARVEST PRIORITY RATING			
% 2014 ATTACK	0.0%	##	LIGHT	0-599	LEAVE (Monitor, Trap Trees, Baits, etc)	99.0
% 2013 ATTACK	5.5%	##	MODERATE	600-999	PROBE (To Obtain Further Info)	
% HOST IN STAND	72.4%	##	HEAVY	1000+	RECOMMEND CRUISING/ LOGGING	

FROM ONE CARD, NO CURRENT ATTACK TAKEN IN AREA WITH OLDER ATTACK

SUMMARY OF ALL CARDS FS1111

NUMBER OF CARDS 1

ACCESS - Access to the west point of Polygon by 4WD. Polygon is located to the East of Polygon 2015-PHI0025

POLYGON FEATURES - Slopes on North and South sides going down to drainage where spruce stand is most prominent. Polygon has areas of dead pine throughout and has plantations to the north and south.

DIAMETER CLASS	SURFACE AREA FACTOR	NUMBER OF HEALTHY HOSTS	BARK BEETLE CODE BY YEAR OF ATTACK						OTHER TREE SPECIES	
			2015		2014		2013			
			1	2	3	4	5	6	BL	AT
17.5-25.0	3.3	0	0	0	0	0	0	0	6	0
25.1-30.0	5.3	2	0	0	0	0	0	0	6	0
30.1-35.0	7.1	3	0	0	0	0	0	0	3	0
35.1-40.0	9.4	1	0	0	0	0	0	0	3	0
40.1-45.0	11.6	4	0	0	0	0	0	0	1	0
45.1-50.0	13.8	5	0	0	0	0	0	0	0	0
50.1-55.0	16.2	3	0	0	0	0	1	0	0	0
55.1-60.0	18.7	4	0	0	0	0	0	0	0	0
60.1 +	25.3	0	0	0	0	0	0	0	0	0
TOTALS		22	0	0	0	0	1	0	19	0

BARK SAMPLES 15 cm x 15 cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE ADULTS	NO. CALLOW	FRESH (GREEN) BLOWDOWN Attacked Y r	Y r ____	Unattacked
2	0	0	0	0	0	0	0	0

SIZE, BOUNDARY AND PATTERN OF THE INFESTATION

Polygon had no signs of recent attack from walkthrough. There were pockets of old Code 5 attack and evidence of 1 pitchout tree with no beetle present.

INCIDENCE AND SEVERITY OF THE INFESTATION

Very light intensity as no currrent attack beetle was found. A couple of patches of code 5 attack near draws, but only 1 pitchout noticed,

RISK OF BEETLE SPREAD

Polygon has plantations surrounding it and no current attack found.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Good access to west edge, has a drainage running through polygon with some steep slopes. Areas of Dead pine and corresponding blowdown.

SPRUCE BEETLE PROBE CARD

LOCATION		PAGE	OF
PH1-026	0466209 6117878		
BEARING	**DISTANCE**	**STRIP WIDTH**	
230	100 m	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	BI
17.5 - 25.0	3.3								5
25.1 - 30.0	5.3	2							2
30.1 - 35.0	7.1	3							8
35.1 - 40.0	9.4	1							3
40.1 - 45.0	11.6	4							1
45.1 - 50.0	13.8	4							
50.1 - 55.0	16.2	3					1		
55.1 - 60.0	18.7	4							
60.1 +	25.3								
TOTALS		22					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
N/A								
N/A								

COMMENTS

NO CURRENT ATTACK.

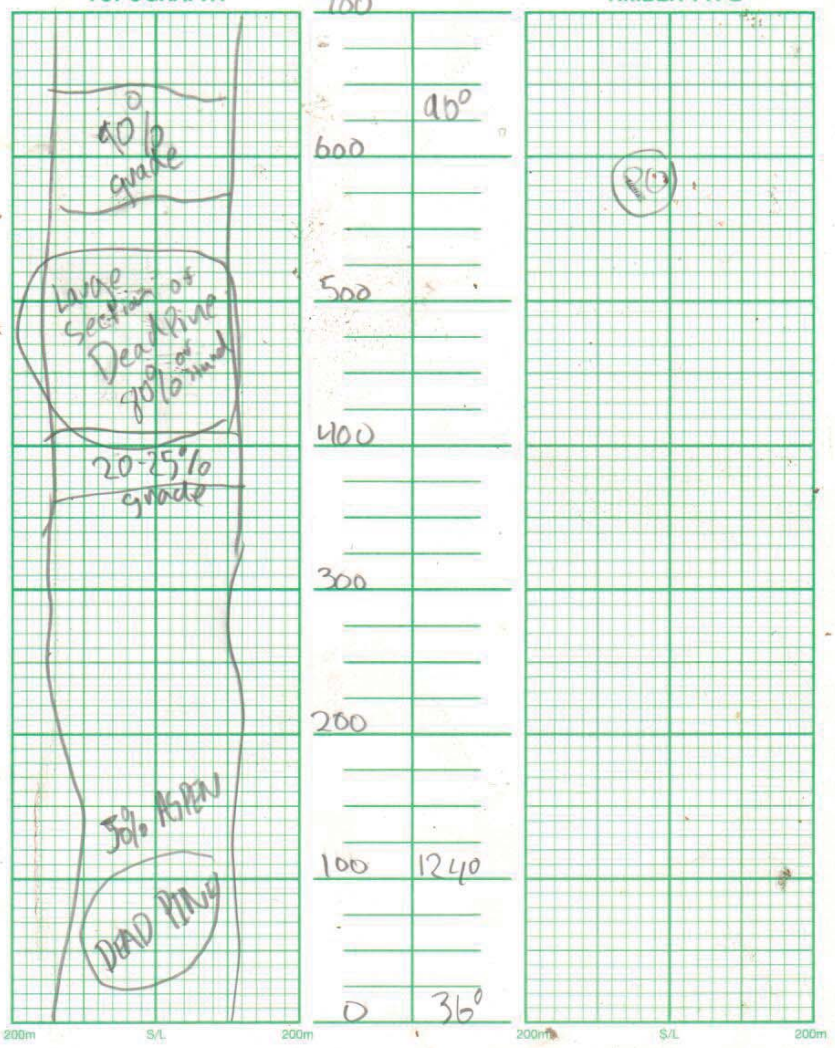
CREW NAMES	DATE Y	M	D
PAT	15	11	19

FS 1111 RPG 2000/01 7530881048 (100/bdl)

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 36°, 124°, 96°

START STRIP: 0-700

JOB NO.: PHI-26 DATE: NOV 19, 15

CREW: Patrick Poirier

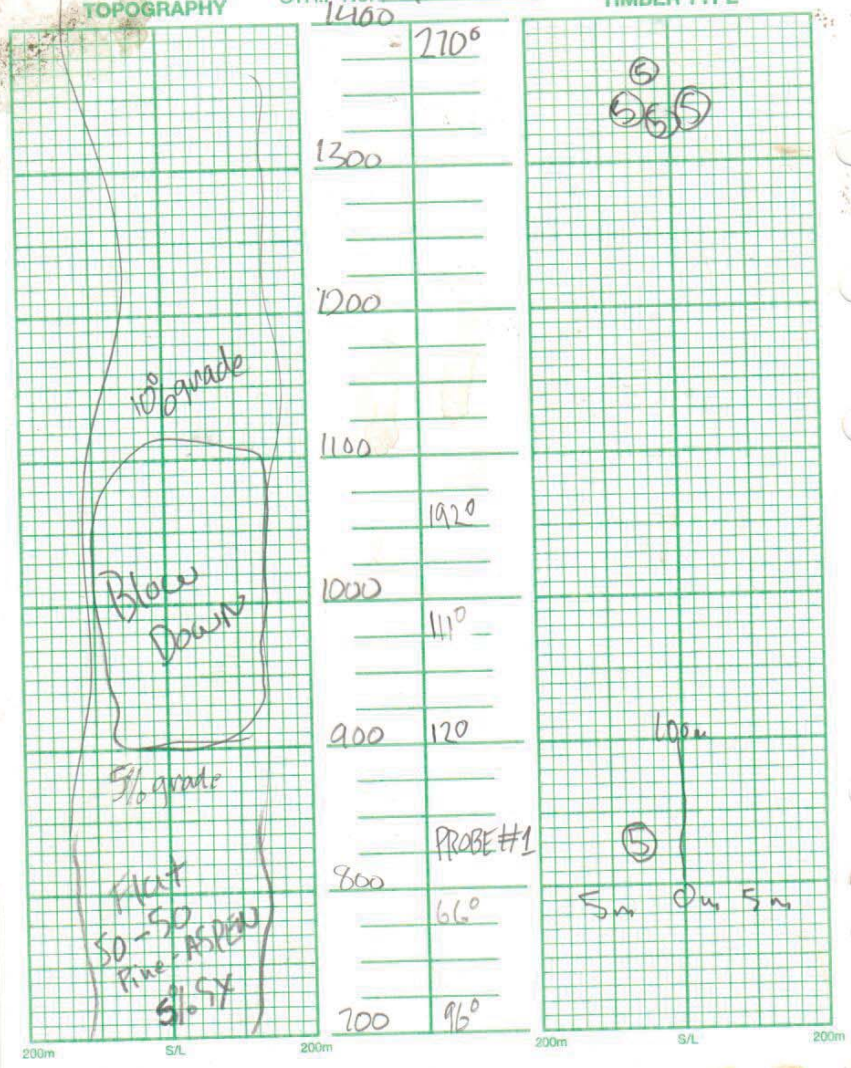
REMARKS:

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

TOPOGRAPHY

STRIP No. 1

TIMBER TYPE



STRIP NO.: 1 DIRECTION: 96° 66°, 12°, 111°, 192° 270°

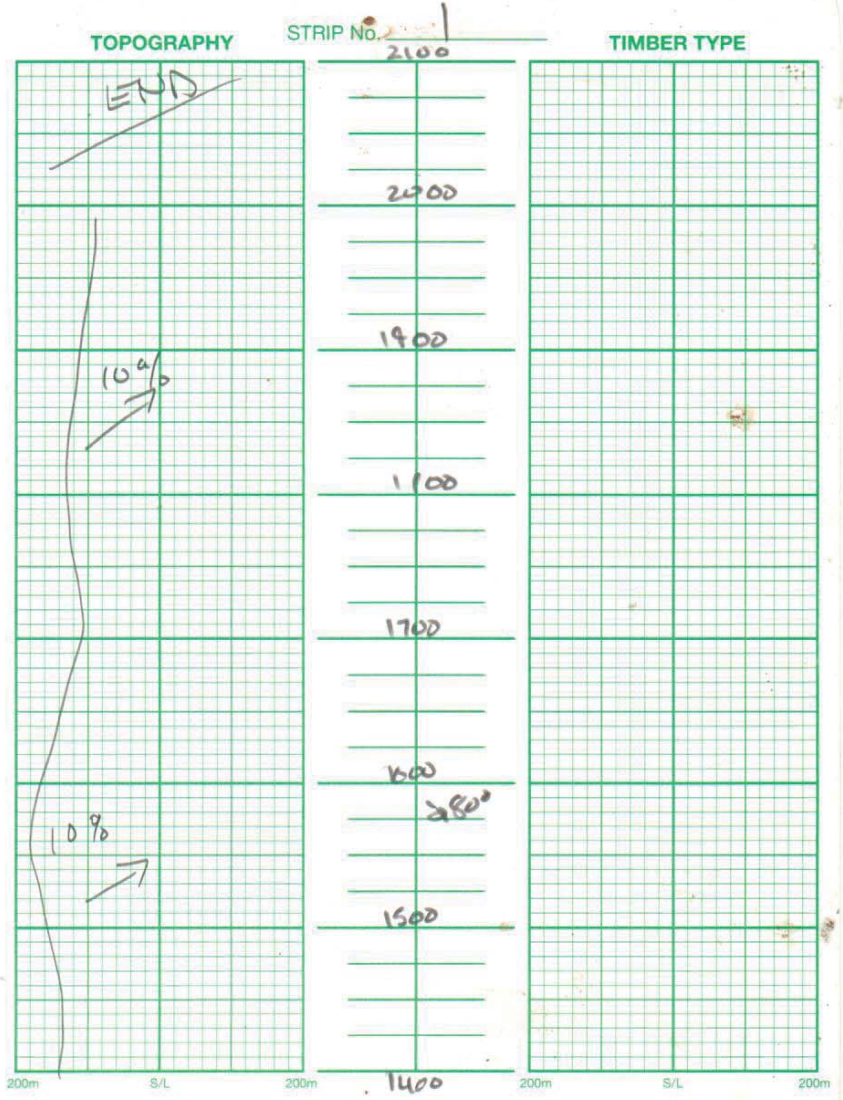
START STRIP: 700-1400

JOB NO.: PHI-26 DATE: NOV 19, 15

CREW: Patrick Poirier

REMARKS:

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



STRIP NO.: 1 DIRECTION: 192°, 280°

START STRIP: 1400 - 2100

JOB NO.: PH1 -026 DATE: NOV 19 / 15

CREW: PP

REMARKS:

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