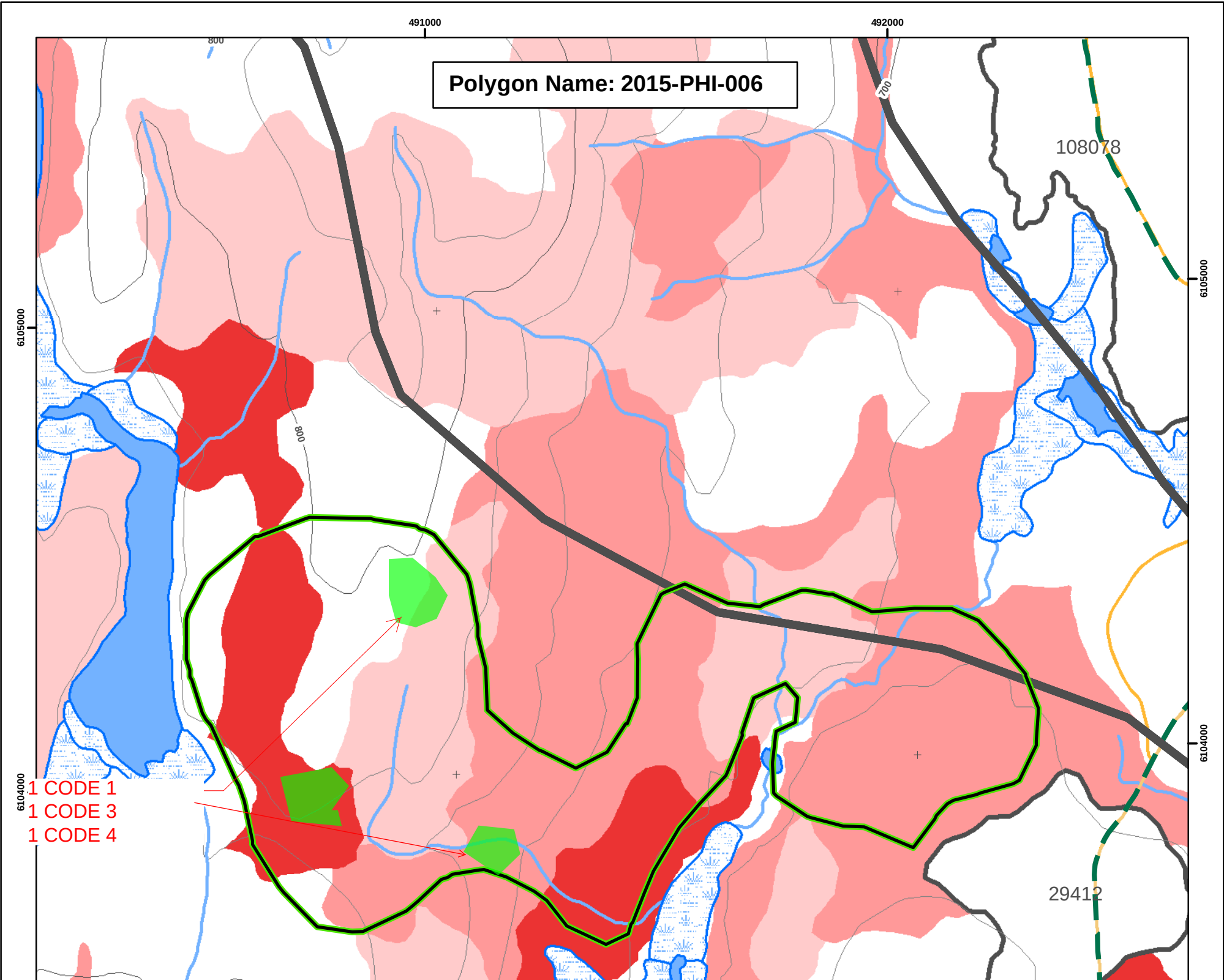
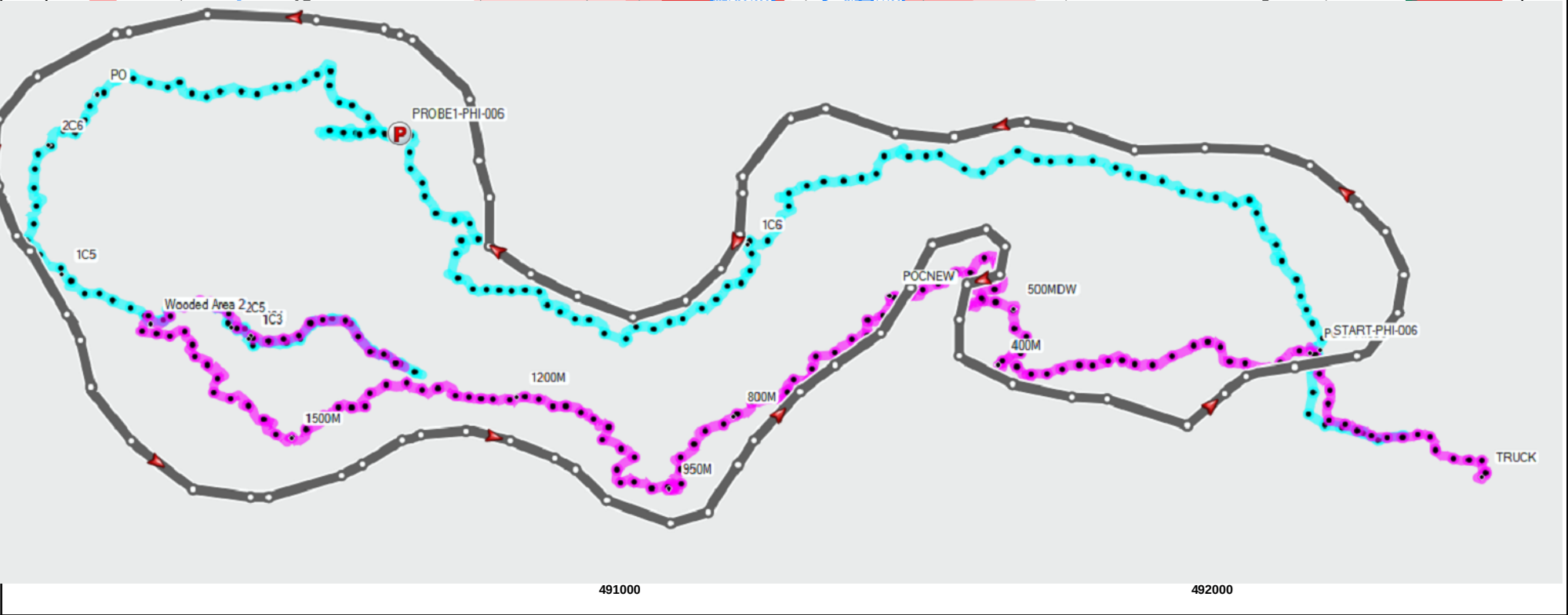




Spruce Bark Beetle Field Map

Polygon Name: 2015-PHI-006

Landscape Unit/BMU: Philip
Region: Omineca
District: Mackenzie
Mapsheet: 093O03
Hectares: 92.99
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

Protected Lands Designation

- First Nations Reserves
- Mackenzie District
- OGMA Legal Current
- Ungulate Winter Range
- Wildlife Habitat Area
- Ecological Reserve
- Protected Area
- Provincial Park
- Contour - Index
- Contour - Intermediate
- Streams
- Lakes and Rivers
- Wetlands

Disclaimer

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

Key Map

**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-006

HECTARES:

92.99

WALKTHROUGH DISTANCE:

5150

ESTIMATED INFESTED PIXELS FROM
WALKTHROUGH (Code 1-4)

3 5.8%

SUMMARY OF CURRENT INFESTATION

Walkthrough has 3 infested pixels or 5% of area, with only one attacked tree per pixel from walkthrough. Stand is 70% spruce and has close access to the mainline from the east of the polygon. Attack densities are low from one probe line and are surrounded by patchy Older Code 5 attacked trees. Seems attack follows the drainage in the west side of the polygon, where the three attacked trees are.

LIGHT SCATTERED ATTACK (West)

ACCESS

Access is OFF the mainline and walk in 300m to east end of Polygon.

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

Slopes range from 0-20% with the highest elevation point in the center of the polygon. Average 70% Spruce, 30% Balsam

SIZE, BOUNDARY and PATTERN OF INFESTATION

Attack is scattered as 3 pixels infested with 1 attacked tree in each. (1 Code 1;s, 1 Code 3, 1 Code 4) Attack is mixed around some scattered Code 5 old attack and also had several pitch outs (Unsuccessful attack) scattered throughout.

INCIDENCE AND SEVERITY OF ATTACK

Severity is low to moderate as very patchy aa only one cide 1 tree found and sampled.

RISK OF BEETLE SPREAD

Polygon has room to move within polygon at a slow rate, is surrounded by several swamps, and a lake and areas with little spruce component.

ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES

Excellent access as access is within 300m of mainline and is relatively flat with a few drainages throuh polygon

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

The attack found was 1-Code 1, 1 Code 3 and 1-Code 4 scattered amongst some older attack which is also quite scattered. There was also some unsuccessful attack, pitch outs, and polygon has a light Sanitation and Salvage rating but all of it can sort of be traced to the drainage that runs in the west portion of the polygon. Monitor by schedyling another walkthrough and maybe bait along drainage

OPTION 2**MONITOR**

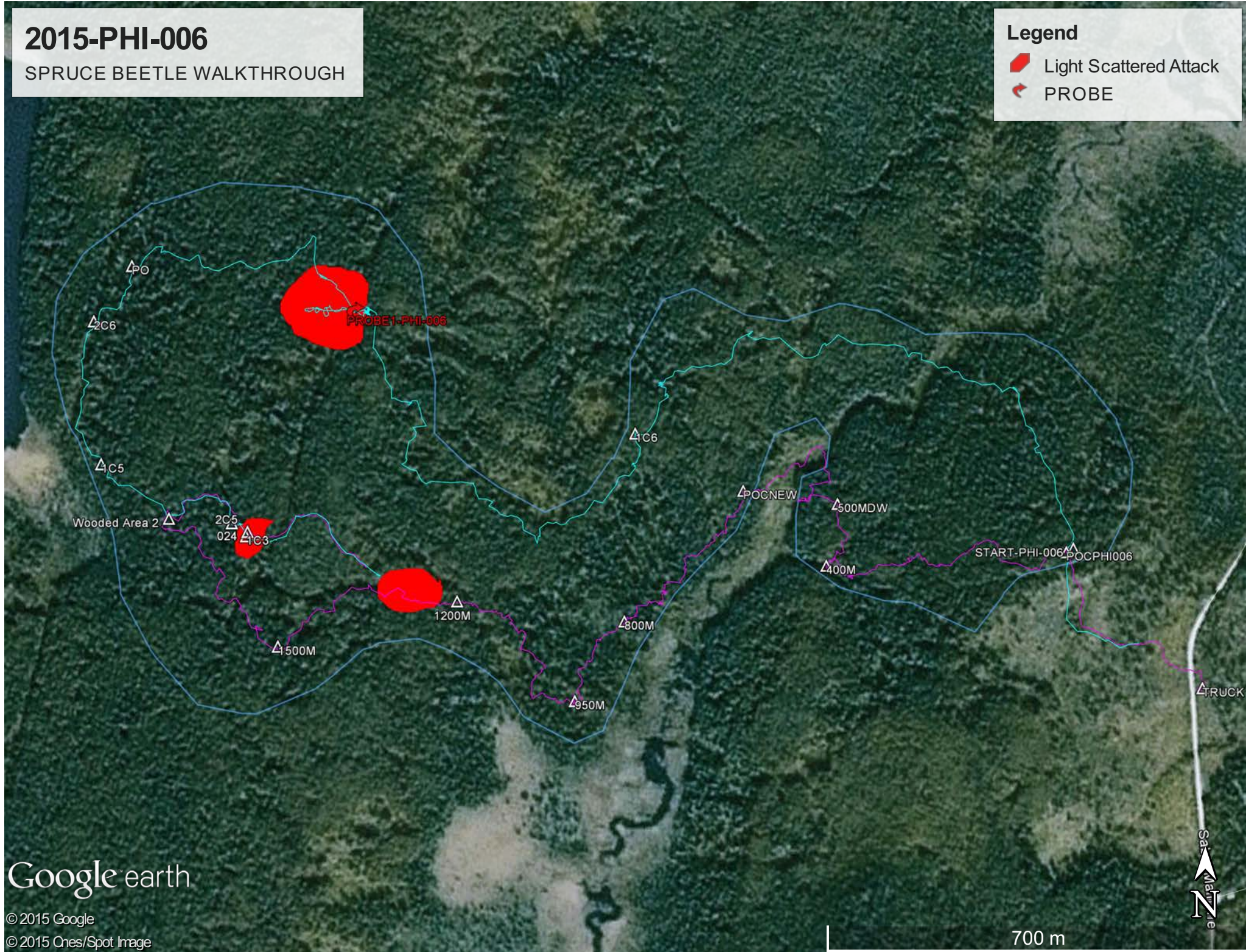
Monito and reevaluate with another Walkthrough FallWinter 2016. Good Access, little risk of beetle spread, flat ground.

2015-PHI-006

SPRUCE BEETLE WALKTHROUGH

Legend

-  Light Scattered Attack
-  PROBE



Google earth

© 2015 Google

© 2015 Ones/Spot Image

Excellent access as access is within 300m of mainline and is relatively flat with a few drainages through polygon

SPRUCE BEETLE PROBE CARD

LOCATION PH1-006		00490956 6104345		PAGE 1 OF 1						
BEARING 2630		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									••
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		20	1							24
BARK SAMPLES 15cm x 15cm	NO. ENTRANCE HOLES	NO. PARENT ADULTS	NO. LARVAE	NO. PUPAE	NO. CALLOW ADULTS	FRESH (GREEN) BLOWDOWN				
						Attacked	Unattacked			
1A	4	1	3	1	5					
1B	2	1	5	1	3					
COMMENTS Only one code one found on Probe / code one Hit just off track										
CREW NAMES Pat Poirier						DATE Y M D 15 11 3				

PHI-006

TOPOGRAPHY

STRIP No.

TIMBER TYPE

70/30 Sw/B1	350	
5% Slope	300	
90/10 Sw/B1	250	
flat	200	
60/30/10 bl/Ep/Sw	150	
250° bearing	100	
80/10/10 bl/Ep/Sw	50	
15% Slope	0	
60/30/10 bl/Ep/Sw		
60/30/10 bl/Ep/Sw		
Flat		
70/30 bl/Sw		
240° bearing		

STRIP NO.: PHI-006 DIRECTION: 240°
 START STRIP: DU 0492144 6103935
 JOB NO.: PHI-006 DATE: Nov 3rd, 2015
 CREW: Aaron Colebank
 REMARKS:



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

PHI-006

TOPOGRAPHY

STRIP No.

TIMBER TYPE

Flat	700	
80/20 Sw/B1	650	
Flat	600	
80/20 Sw/B1	550	
80/20 Sw/B1	500	
200° bearing	450	
River	400	
New P.O.C.	350	
50/50 Sw/At		
Flat		
80/20 At/Sw		
80/20 At/Sw 43m		
40/40/20 Sw/At/B1		
343° bearing		
Flat		
40/40/20 Sw/At/B1		

STRIP NO.: DIRECTION:
 START STRIP:
 JOB NO.: DATE:
 CREW:
 REMARKS: 104 0491595 6104041



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TOPOGRAPHY STRIP No. PHI-006

TOPOGRAPHY	STRIP No.	TIMBER TYPE
50/25/25 Sw/Ep/Bl	1050	
flat	1000m	
60/20/20 Sw/Ep/Bl	950	
293° bearing		
70/30 Sw/Bl	900	
80/20 Sw/Bl	850	
80/20 Sw/Bl	800	(P) G
	750	
80/20 Sw/Bl	700	G

200m S/L 200m 200m S/L 200m

STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

JOB NO.: _____ DATE: _____

CREW: _____

REMARKS: _____



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TOPOGRAPHY STRIP No. 1400

TOPOGRAPHY	STRIP No.	TIMBER TYPE
40/30/30 At/Sw/Bl	1350	
40/30/30 At/Sw/Bl	1300	
case (4) P/O on one side	1250	(4)
238° bearing		
20% slope		
60/30/10 Sw/At/Bl	1200m	
60/30/10 Sw/At/Ep	1150m	(5)
15% slope		
10% slope	1100m	(5)
@ 1070m 10% slope		
80/10/10 Sw/At/Bl	1050m	

200m S/L 200m 200m S/L 200m

STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

JOB NO.: _____ DATE: _____

CREW: _____

REMARKS: _____



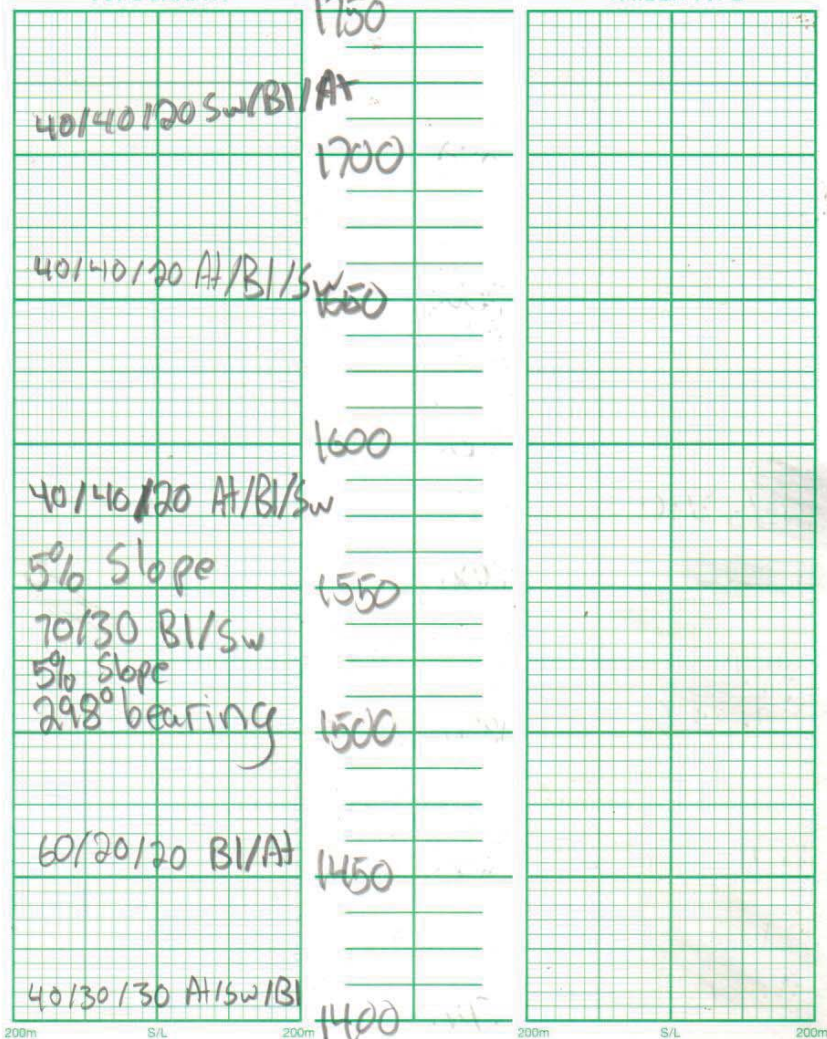
www.irtsupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No.

PHI-006

TIMBER TYPE



STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

JOB NO.: _____ DATE: _____

CREW: _____

REMARKS: _____

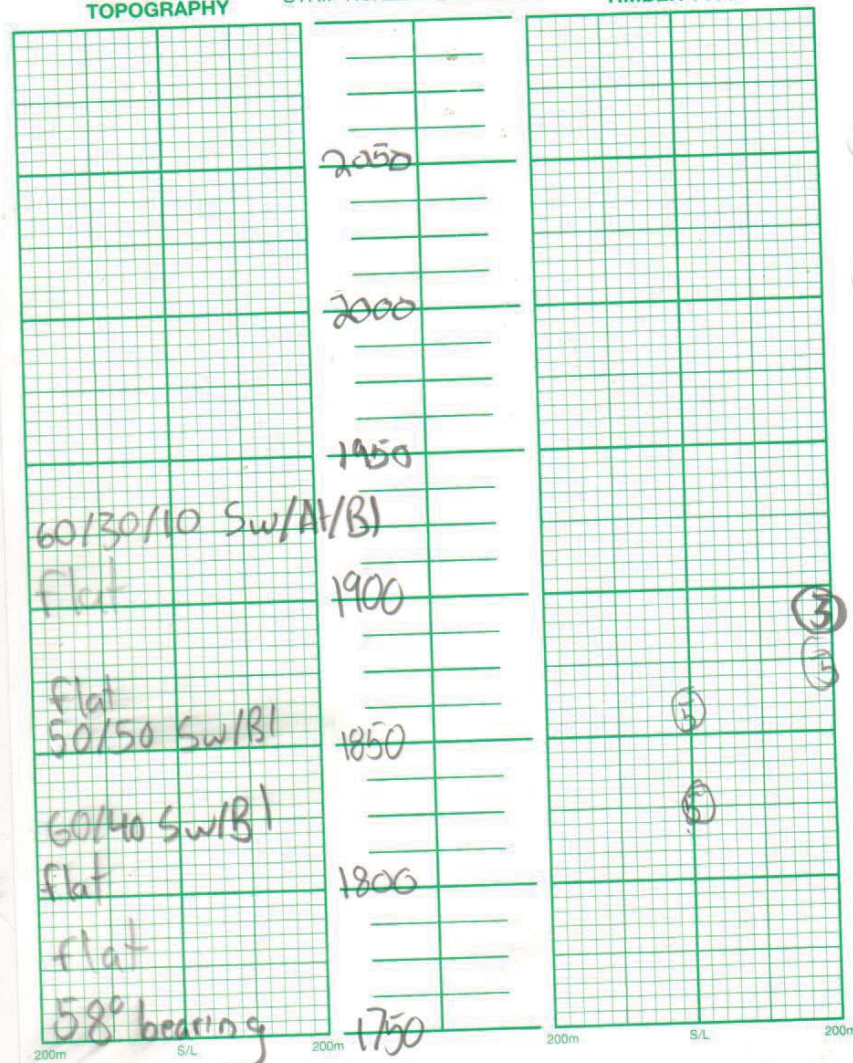


www.irlsupplies.com
Ph: 1-800-663-6843

TOPOGRAPHY

STRIP No.

TIMBER TYPE



STRIP NO.: _____ DIRECTION: _____

START STRIP: _____

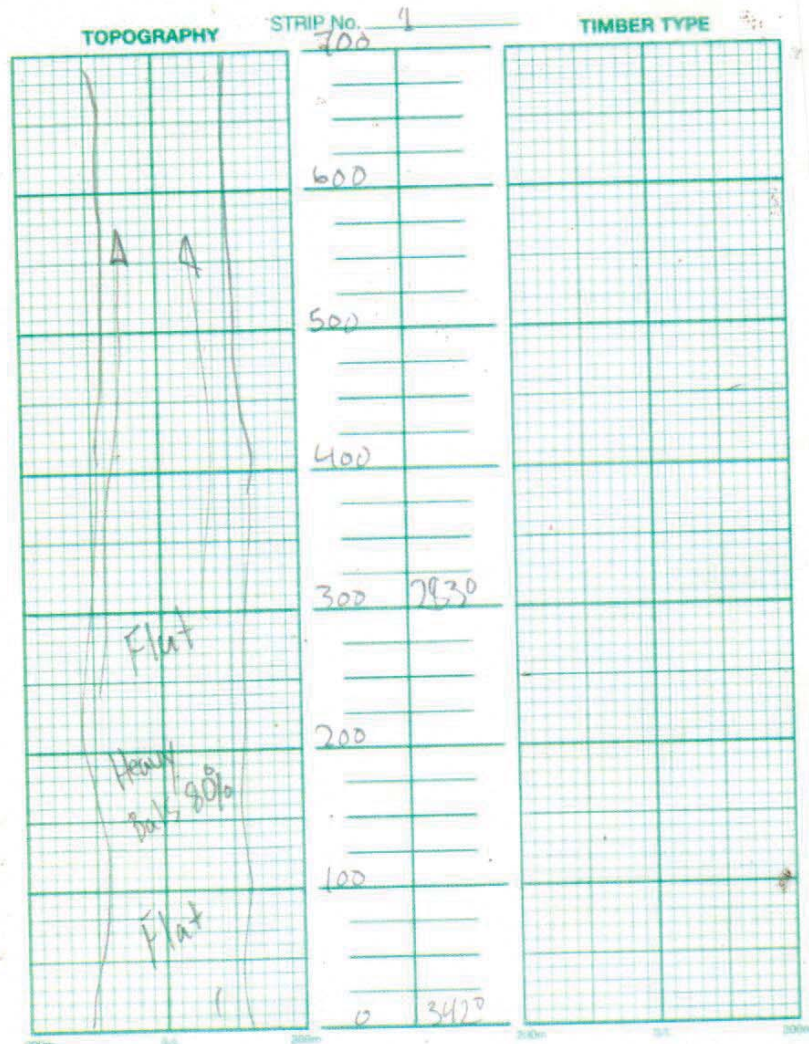
JOB NO.: _____ DATE: _____

CREW: _____

REMARKS: _____



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STRIP NO. 1 DIRECTION 342°, 283°

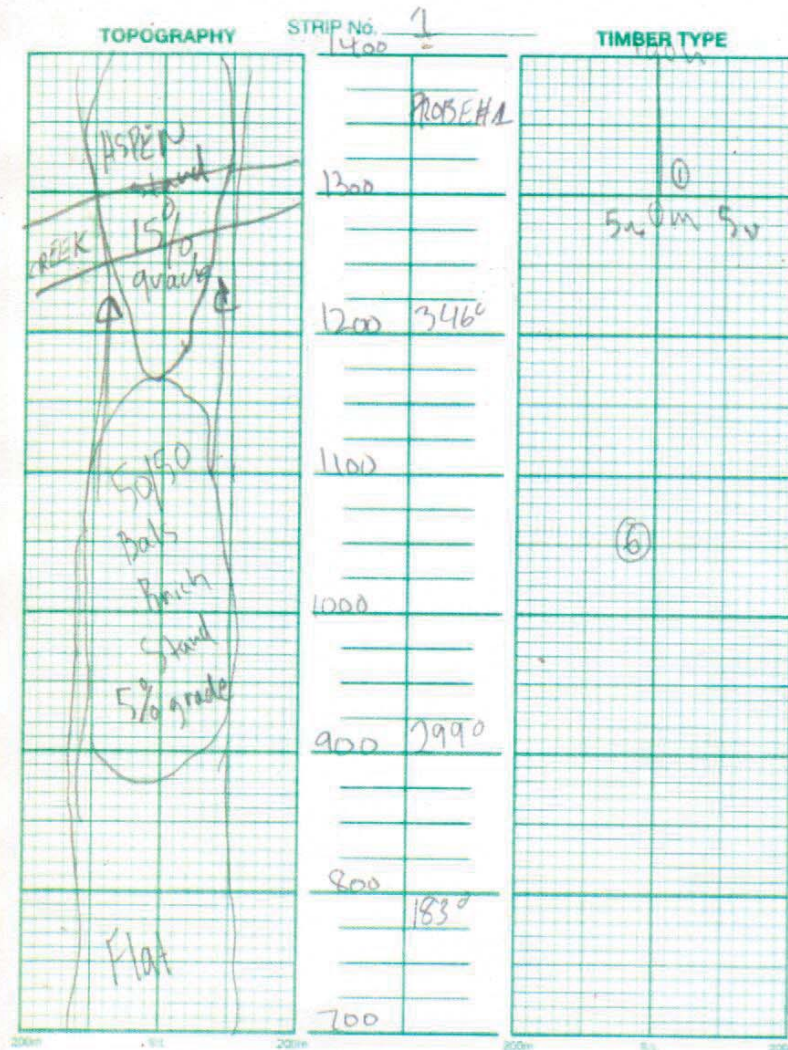
START STRIP: 0-700

JOB NO. PHI-006 DATE: NOV 3, 15

CREW: Pat Poirier

REMARKS:

 www.innugplies.com
Ph 1-800-663-6843



STRIP NO. 1 DIRECTION 183°, 299°, 346°

START STRIP: 700-

JOB NO. PHI-006 DATE: NOV 3, 15

CREW:

REMARKS:

 www.innugplies.com
Ph 1-800-663-6843

STRIP NO.: 1 DIRECTION: 2520, 1640, 630
START STRIP: K100-2100
JOB NO.: PH7-006 DATE: NOV 3, 15
CREW: Pat Poirier
REMARKS:

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

STRIP NO.: 1 DIRECTION: 630
START STRIP: 2100-2300
JOB NO.: PHI-006 DATE: NOV 3, 15
CREW: Pat Poirier
REMARKS:

 www.inthesupplies.com
Ph: 1-800-663-8843