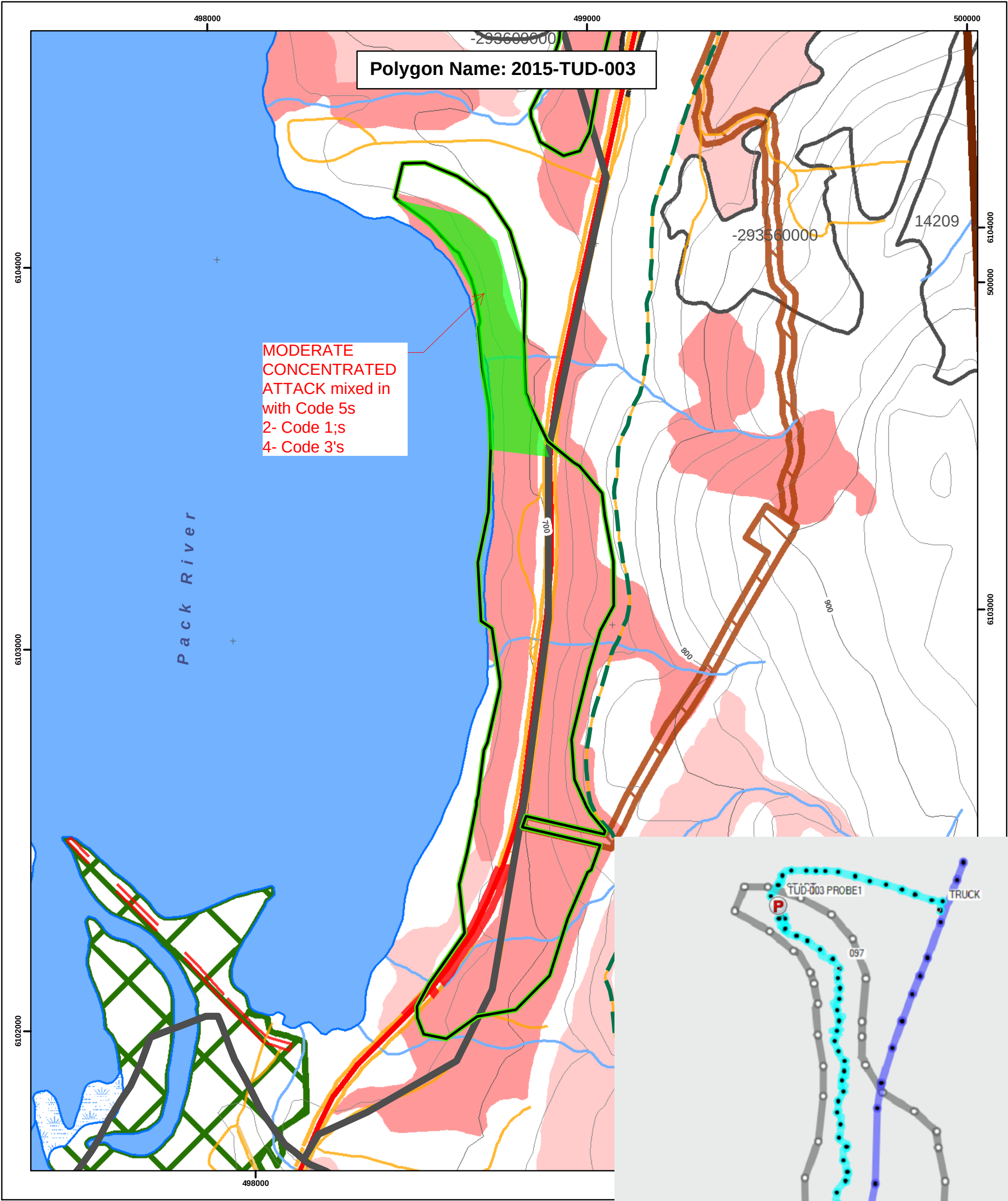
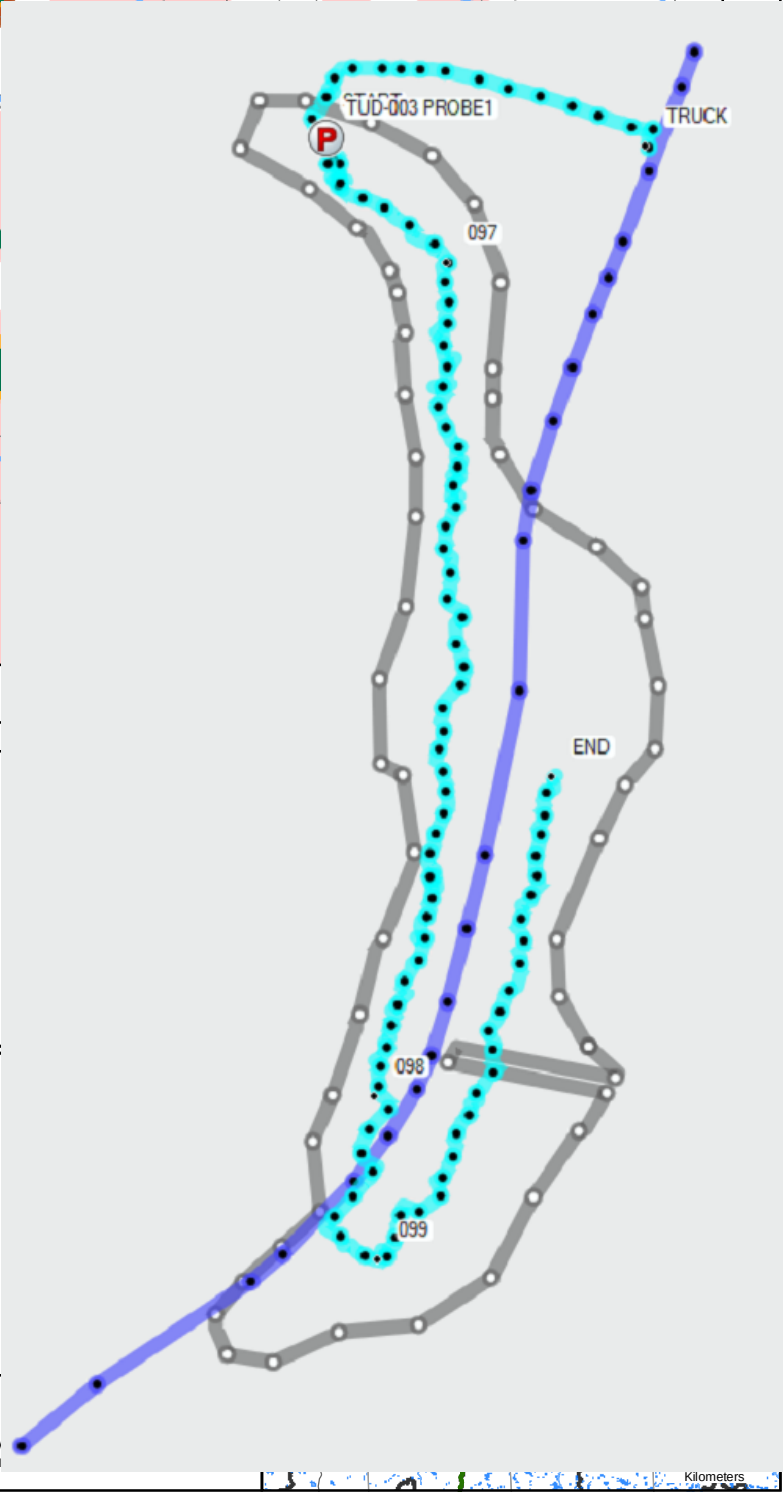




 Ministry of Forests, Lands and Natural Resource Operations

## Spruce Bark Beetle Field Map

**Polygon Name: 2015-TUD-003**

Landscape Unit/BMU: Tudyah  
 Region: Omineca  
 District: Mackenzie  
 Mapsheet: 093O03  
 Hectares: 53.35  
 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
- Protec

**Disclaim**  
 The accuracy information of

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**SPRUCE BARK BEETLE REPORT  
FH16DMK010**

POLYGON: 2015-TUD-003

HECTARES:

53.35

WALKTHROUGH DISTANCE:

3000

ESTIMATED INFESTED PIXELS FROM

WALKTHROUGH (Code 1-4)

5

16.7%

**SUMMARY OF CURRENT INFESTATION**

Walkthrough estimate shows 15% of polygon has recent infested Spruce. This area is concentrated to the NW off the polygon next to the river and just off of a spur road with good access. It is a mix of Code 1 and 3 trees and action will need to be taken with flight in 2016, although there is a minimal risk of spread due to adjacent river, deciduous stand and cutblocks.

MODERATE CONCENTRATED ATTACK NW

**ACCESS**

Access is Highway right through the middle of the Polygon. Spur Road where parked truck.

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

Steep slopes run from the river easterly. Heavy areas of Aspen and Birch with Spruce mainly concentrated in the attack area to the NW of polygon.

**SIZE, BOUNDARY and PATTERN OF INFESTATION**

Infestation is concentrated to the NW of Polygon just off of Spur Road. It is moderate attack with both Code 1 and Code 3 attack amongst older Code 5 attack.

**INCIDENCE AND SEVERITY OF ATTACK**

1 probe line shows a high attack density from 1 bark sample taken. Open stand leads to a high sanitation and salvage rating,

**RISK OF BEETLE SPREAD**

Polygon has attack in the NW with little risk of spread as boundaried by mostly Aspen and Birch Stand, the river, and older cutblock. Could progress slowly through polygon.

**ACCESS, OPERABILITY and INTEGRATED RESOURCE MANAGEMENT ISSUES**

Good access as right off of Highway and has access points via spur road next to attack. Attacked area boundaries River.

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

As highly visible area, may want to probe to identify areas requiring harvesting to determine severity and better define area of attack.

**OPTION 2****TRAP TREES/ FALL AND BURN**

Lay trap tree trail as good access to hold infestation. Or fall and burn if not too heavy an attack..

# 2015-TUD-003

SPRUCE BEETLE WALKTHROUGH

## Legend

-  MODERATE ATTACK
-  TUD-003 PROBE1

Tudyah Lake

START

TRUCK

097

97

END

098

099

John Hart Hwy

Google earth

© 2015 Google  
© 2015 Qnes/Spot Image

N

1 km



TJS-003

# SPRUCE BEETLE PROBE CARD

| LOCATION<br>0494586                   |                     | 6/04/63                 |                                    | PAGE 1 OF 1        |                   |                           |            |   |                    |      |
|---------------------------------------|---------------------|-------------------------|------------------------------------|--------------------|-------------------|---------------------------|------------|---|--------------------|------|
| BEARING<br>160°                       |                     | DISTANCE<br>100m        |                                    | STRIP WIDTH<br>10m |                   |                           |            |   |                    |      |
| 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                 |                         |                                    |                    |                   |                           |            |   |                    | DLAS |
| 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<br>15cm x 15cm           | NO. ENTRANCE HOLES  | NO. PARENT ADULTS       | NO. LARVAE                         | NO. PUPAE          | NO. CALLOW ADULTS | FRESH (GREEN) BLOWDOWN    |            |   |                    |      |
|                                       |                     |                         |                                    |                    |                   | Attacked                  | Unattacked |   |                    |      |
| 1A                                    | 2                   | /                       | 2                                  | 0                  | 1                 | /                         | /          |   |                    |      |
| 1B                                    | 3                   | /                       | 4                                  | 0                  | /                 | /                         | /          |   |                    |      |
| COMMENTS                              |                     |                         |                                    |                    |                   |                           |            |   |                    |      |
| CREW NAMES<br>DAILEN, NORTON, STEFFAN |                     |                         |                                    |                    |                   | DATE<br>Y M D<br>15 11 63 |            |   |                    |      |

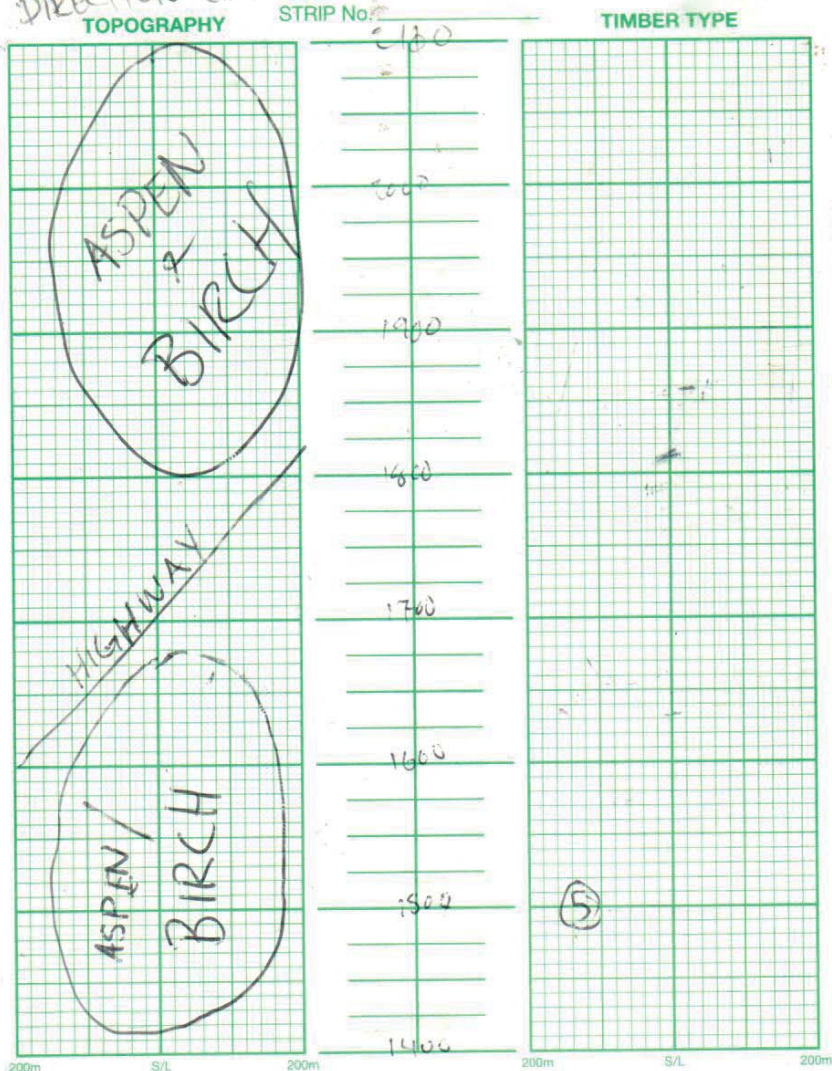
STRIP NO.: 140-803 DIRECTION: 151° ①-②  
START STRIP: 0-70cm  
JOB NO.: SENECA WALKTHRU DATE: NOV 10 2015  
CREW: DAILEN, NORTON, STEFFAN  
REMARKS:

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

STRIP NO.: TUD-003 DIRECTION: 180°  
 START STRIP: 706 - 1400  
 JOB NO.: SENECA WALKTHRU DATE: Nov 10<sup>th</sup> 2015  
 CREW: DAILEN, NORSON, STEFFEN  
 REMARKS: \_\_\_\_\_

 [www.irisupplies.com](http://www.irisupplies.com)  
 Ph: 1-800-563-6843

DIRECTION CHANGE



STRIP NO.: TWD-003 DIRECTION: 180°

START STRIP: 1400 - 2100

JOB NO.: SENECA WALKTHRU DATE: NOV 10th 2015

CREW: DAILEN, NORTON, STEFFEN

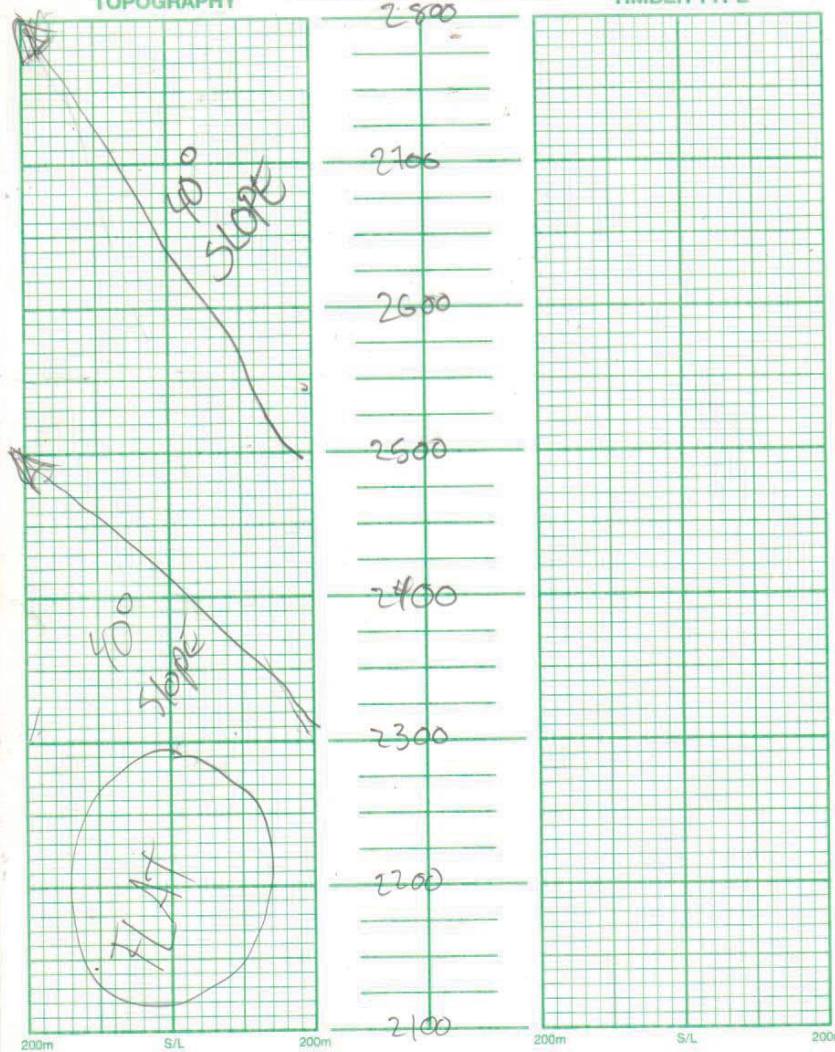
REMARKS:

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

TOPOGRAPHY

STRIP No.

TIMBER TYPE



STRIP NO.: TWD-003 DIRECTION: 150°

START STRIP: 2100 - 2800

JOB NO.: SENECA WALKTHRU DATE: NOV 10th 2015

CREW: DAILEN, NORTON, STEFFEN

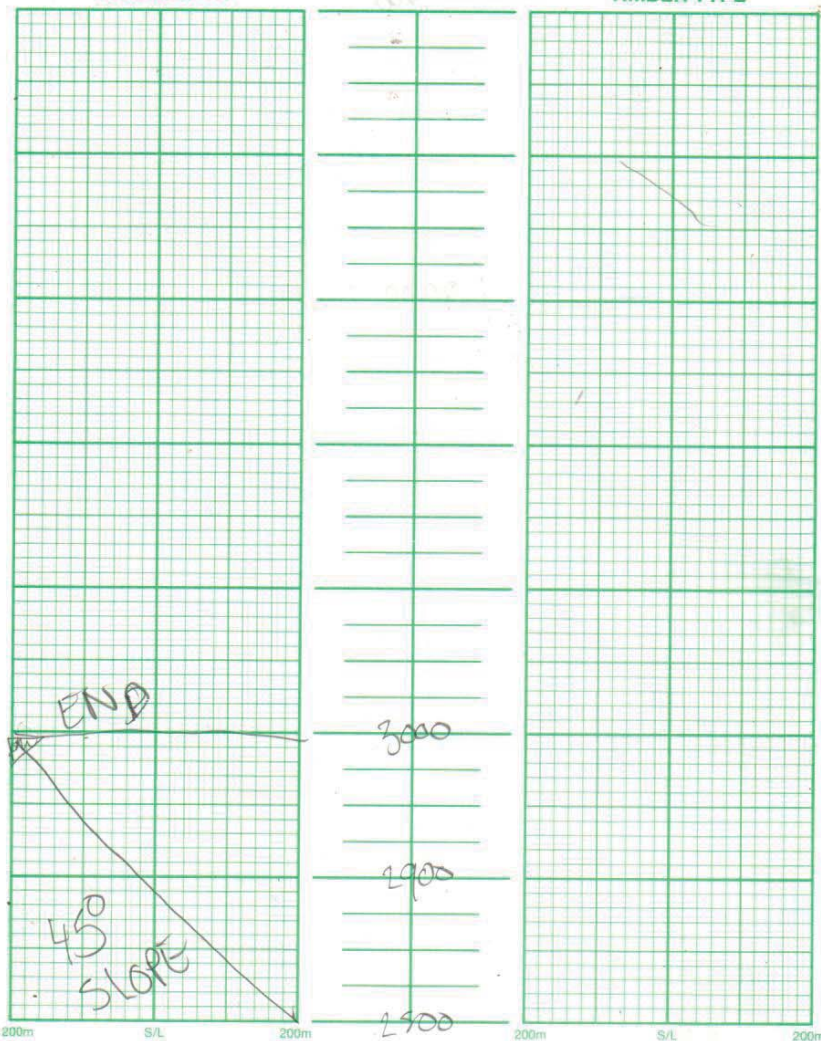
REMARKS:

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

## TOPOGRAPHY

STRIP No. 2900

## TIMBER TYPE



STRIP NO.: TWD-003 DIRECTION: 15°  
START STRIP: 2900 - 3000  
JOB NO.: SENECA WALKTHRU DATE: NOV 10, 2015  
CREW: DAILEN, NORTON, JETTEN  
REMARKS: \_\_\_\_\_



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