# Spruce Bark Beetle Report 2015 Fall

## 2015-PAR-027

### ADMINISTRATION

**Polygon**: PAR027 **Hectares**: 86.15 **Exact Location**: near 62km on the Parsnip West FSR

**Walkthrough**: 4700 **Number of Probe Pixels**: 2 **Date**: 2015.10.13 **Crew**: D. Norwell, M. Vanderstap

### STAND INFORMATION

**Site Description: (topography, terrain, timber types, stand age, influences)**

This stand straddles the lower Scott Creek drainage, steep banked sides but flattish around the creek itself. Beaver activity is abundant in the polygon, as well as blowdown, both exacerbating the maneuverability getting around this stand. Blowdown is old and new, some with attack. Due to its lengthy nature this unit has various boundaries throughout its length, cutblocks, roads and mature and immature timber. There is also rock faces and rocky outcrops in various locations. The stand is comprised mainly of mature susceptible spruce in the lower sections with balsam fir leading in the upper sections, likely due to elevation.

**Stand Susceptibility:** Moderate **Access**: 4WD, ATV

**Other Considerations or Limiting Factors:** major drainage, poor access, riparian areas, beaver activity

### SUMMARY OF CURRENT INFESTATION:

Attack can be heavy at times, and generally located near the creek on the flatter portions of the polygon. Current attack on a two year cycle, along with abundant code fives.

| *Volume Healthy* | *Volume Year One Attack* | *Volume Year Two Attack* | | *Volume Old Attack* | |
|---|---|---|---|---|---|
| 343.6 | 97.5 | 0 | | 70.6 | |
| ***Bark Sample Data*** | ***Entrance Holes*** | ***Adults*** | ***Larvae*** | ***Pupae*** | ***Young Adults*** |
| ***(combined)*** | 16 | 7 | 38 | 1 | 1 |

# BRITISH COLUMBIA BEETLE PROBE CARD

| LOCATION | ELEVATION | LATITUDE | PAGE | OF |
|---|---|---|---|---|
| 04-7006 7/6183171 | 833m | | | |

| BEARING | STRIP LINE NO | STRIP WIDTH | DISTANCE | BEETLE SPECIES |
|---|---|---|---|---|
| 210° | ONE2-1 | 10m | 100m | [X] SB [ ] MPB [ ] DFB |

| DIAMETER CLASS | SURFACE AREA FACTOR | NUMBER OF HEALTHY HOSTS | BARK BEETLE CODE BY YEAR OF ATTACK 1 | 2 | 3 | 4 | 5 | 6 | OTHER TREE SPECIES MAIN | OTHER |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | BL | |
| 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 | 5 | 3 | 12 | ✓ | ✓ | | |
| S | 4 | 4 | 10 | 1 | 1 | | |

COMMENTS
090
B.S.A.P.
PARALLELS CREEK 1ST [illegible] was PO at bottom [illegible] FLAT

| CREW NAMES | DATE Y | M | D |
|---|---|---|---|
| DAVID NORDELL | 2015 | 10 | 14 |

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

# BRITISH COLUMBIA BEETLE PROBE CARD

| LOCATION | ELEVATION | LATITUDE | PAGE | OF |
|---|---|---|---|---|
| 55°46.614'N 123°30.652' | 266 Ft | | | |

| BEARING | STRIP LINE NO | STRIP WIDTH | DISTANCE | BEETLE SPECIES |
|---|---|---|---|---|
| 45° | | 10m | 100m | [X] SB [ ] MPB [ ] DFB |

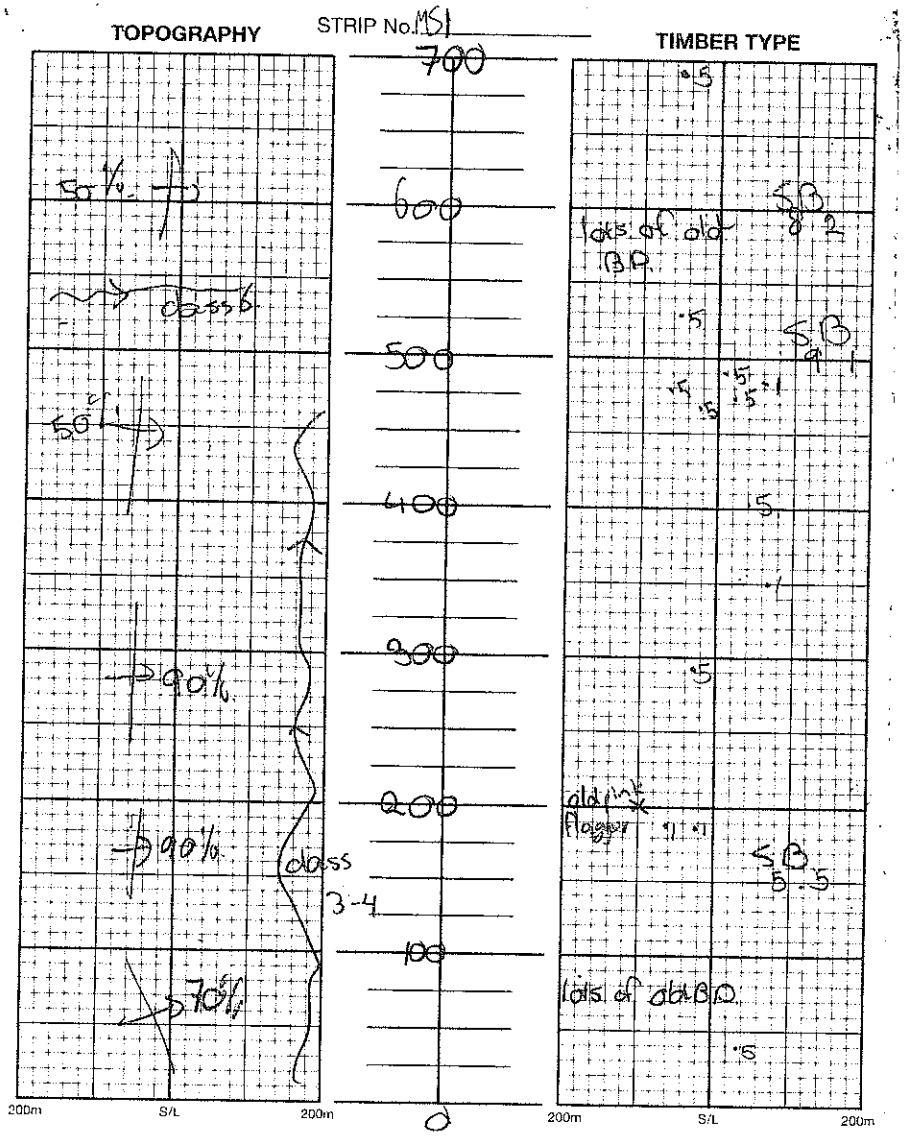
| DIAMETER CLASS | SURFACE AREA FACTOR | NUMBER OF HEALTHY HOSTS | BARK BEETLE CODE BY YEAR OF ATTACK 1 | 2 | 3 | 4 | 5 | 6 | OTHER TREE SPECIES MAIN | OTHER |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | D | |
| 12.5 - 17.4 | 2.0 | | | | | | | | | |
| 17.5 - 25.0 | 3.3 | | | | | | | | | |
| 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 | 4 | 0 | 16 | 0 | 0 | | |
| S | 3 | 0 | 0 | 1 | 1 | | |

COMMENTS Stead only pupae / callow. Unsure what it was. S. side more stain + very deep Think code 4 and 1 N side all brood chewed entrances most pitched out.

| CREW NAMES | DATE Y | M | D |
|---|---|---|---|
| MS | | | |

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




STRIP NO.: 1 DIRECTION: 215°

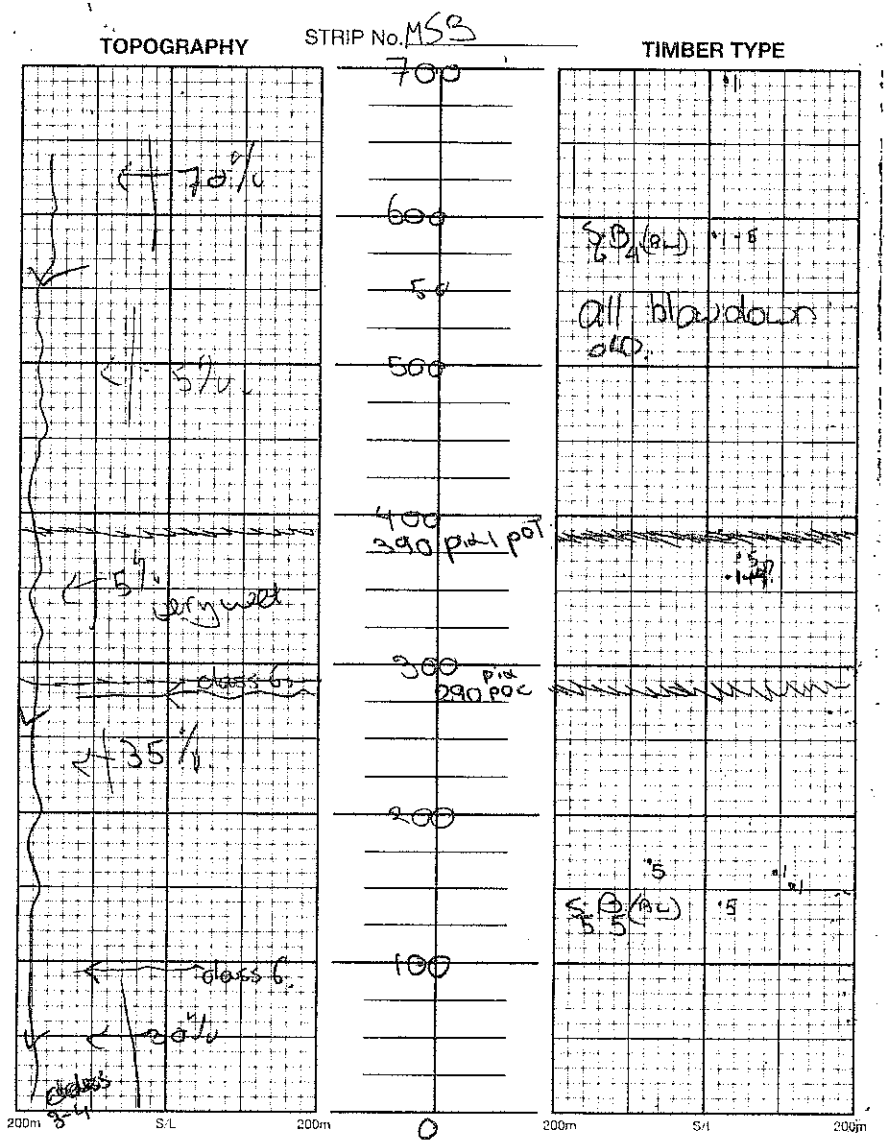
START STRIP: 408440 - 6181896

JOB NO.: FH16mk006 DATE: Oct 13 2015

CREW: Mariska van der Stap

REMARKS:

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




STRIP NO.: 3 DIRECTION: 45°

START STRIP: 467665 - 6181087

JOB NO.: FH16mk006 DATE: Oct 13 2015

CREW: Mariska van der Stap

REMARKS:

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

**TOPOGRAPHY** STRIP No. MS1 +2 **TIMBER TYPE**

Level
50%
40%
Class 6
70%
40%
Class 6

145 POT SL2
100
50
SL2 POC
1040 SL4 POT.
1000
900
800
700

SB
QUDBH: 50 cm
SB (Bw)
lots dd.
BD open area.

200m S.L 200m 200m S.L 200m

STRIP NO.: 1 cont'd. DIRECTION: 215°
START STRIP: 2 = 467808 - 6181052
JOB NO.: FH16PMK006. DATE: Oct 13 2015
CREW: Mariska van der Stap
REMARKS:

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

**TOPOGRAPHY** STRIP No. 3 **TIMBER TYPE**

80%
70%

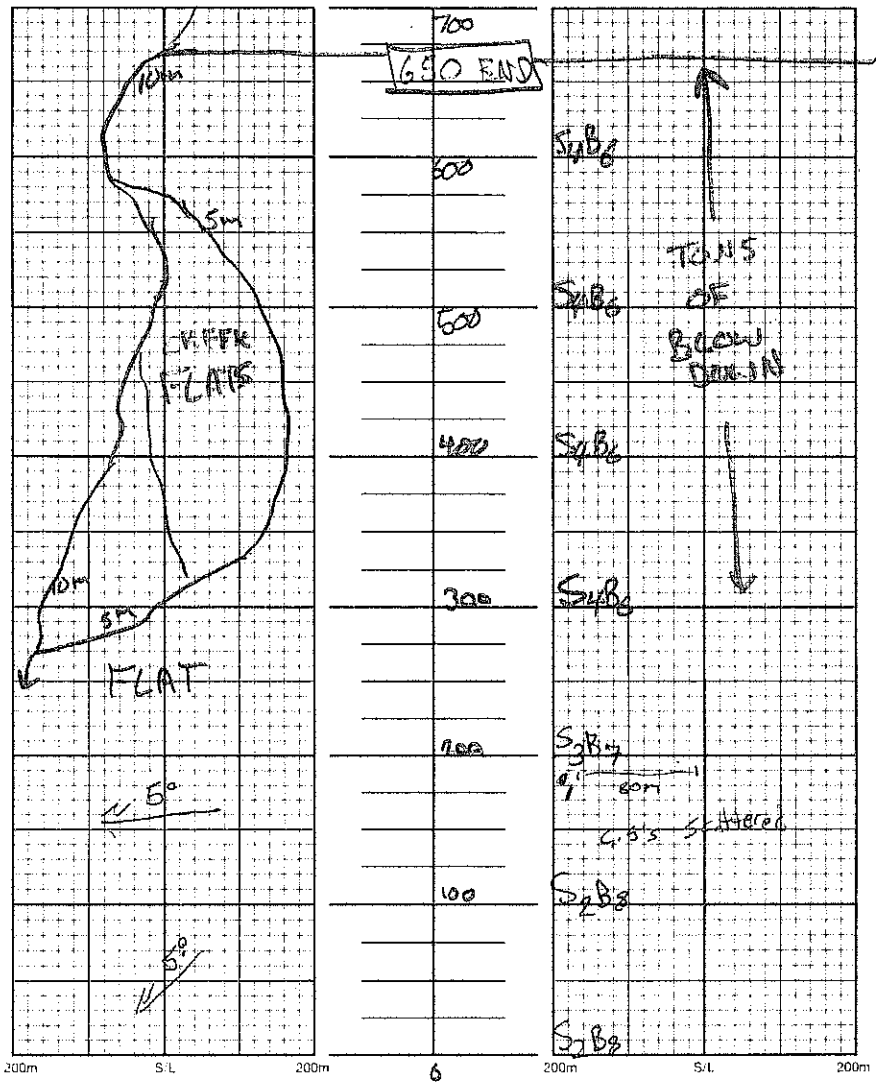
1000 SL3 POT
900
800
700

SB (Bw)
SB oblBa
5 5

200m S.L 200m 200m S.L 200m

STRIP NO.: 3 cont'd DIRECTION: 45°
START STRIP: cont'd
JOB NO.: FH16PMK006 DATE: Oct 13 2015.
CREW: Mariska van der Stap
REMARKS:

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STRIP NO.: DN01 DIRECTION: 40° (Looped down to follow Game trail by high Sus. Creek)

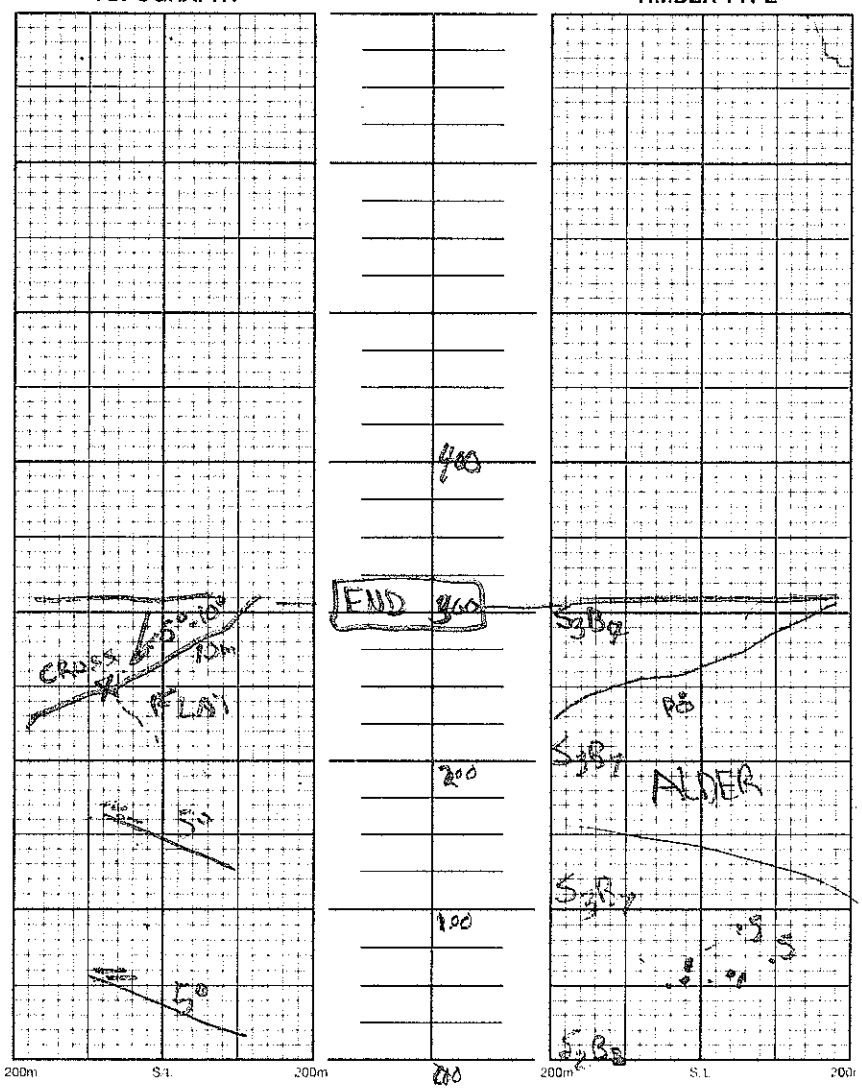
START STRIP: 0469671/6182693

JOB NO.: FOR 2K DATE: OCT 13 2015

CREW: DAVID NORWELL

REMARKS:

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




STRIP NO.: DN03 DIRECTION: 76° AT 300m

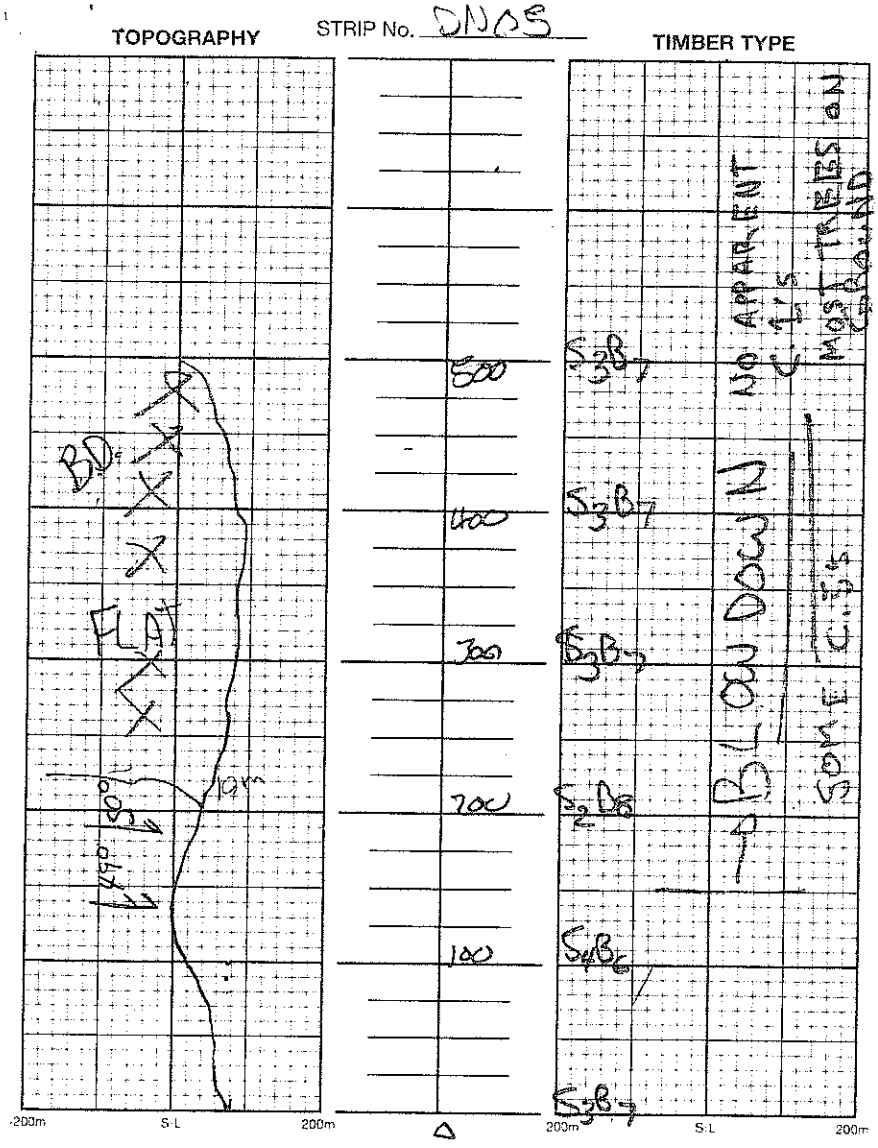
START STRIP: END DN02

JOB NO.: PAR 2K DATE: OCT 13 2015

CREW: DAVID NORWELL

REMARKS:

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




STRIP NO.: DN05 DIRECTION: 250°

START STRIP: 0469634/6182583

JOB NO.: PAR 27 DATE: Oct 13

CREW: DAVID NORWELL

REMARKS: CREEK TRAVERSE AT STRT
FOLLOW TRACK, LOTS OF B.D

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