

Spruce Bark Beetle Report 2015 Fall

2015-PAR-002

ADMINISTRATION

Polygon: PAR002 **Hectares:** 401.49 **Exact Location:** 22km on the Parsnip West FSR

Walkthrough: 15100m **Number of Probe Pixels:** 7 **Date:** 2015.10.29-31 **Crew:** P. Milanovich, S. Turcotte, M. Vanderstap

STAND INFORMATION

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

The polygon surrounds the lower reaches of Tony Creek, just minutes outside of the town of Mackenzie. The boundary on the SE side is generally the Tony Creek M/L, which is severely overgrown. There are also some small, older cutblocks along the SE and SW sides. The remainder of the polygon is surrounded by mature timber. The site has a varied aspect, usually towards the Tony Creek, with slopes up to 60%. Blowdown is common throughout the unit. Spruce is the leading species in the composition with a minor component of balsam fir. This site is mid to high elevation in a known beetle location.

Stand Susceptibility: High to Very High

Access: 4WD, ATV

Other Considerations or Limiting Factors: riparian areas, poor access, steep slopes

SUMMARY OF CURRENT INFESTATION:

Heavy current attack with scattered old attack. The beetle populations are chiefly on a two year cycle, though some one year cycle was discovered. The potential for spread and brood building is significant.

<i>Volume Healthy</i>	<i>Volume Year One Attack</i>	<i>Volume Year Two Attack</i>		<i>Volume Old Attack</i>	
52.7	716	78.4		466.3	
<i>Bark Sample Data (combined)</i>	<i>Entrance Holes</i>	<i>Adults</i>	<i>Larvae</i>	<i>Pupae</i>	<i>Young Adults</i>
	44	69	56	1	39

MANAGEMENT: (in decreasing preference)

Option #1:

Harvest immediately

Option #2:

Harvest, follow up survey, conventional trap trees