

Spruce Bark Beetle Report 2015 Fall

2015-MOR-004

ADMINISTRATION

Polygon: MOR004 **Hectares:** 209.91 **Exact Location:** east side of Morfee Lake

Walkthrough: 11000m **Number of Probe Pixels:** 5 **Date:** 2015.10.24 **Crew:** P. Milanovich, D. Norwell, S. Turcotte, M. Vanderstap

STAND INFORMATION

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

This site is located on the east side of Morfee Lake just outside the town of Mackenzie. There is a hiking trail that leads around the west side of the polygon for some distance. This polygon is bounded by mature timber on all sides. The site is west facing with slopes ranging between 20% and 70%. The northern portion of the unit is separated by an S4 stream. Some root disease is present in the stand as well. Old blowdown is evident scattered throughout the unit. Generally there is an abundance of balsam fir and spruce with spruce far more prominent in the upper reaches of the stand.

Stand Susceptibility: Low to High

Access: walk, heli

Other Considerations or Limiting Factors: riparian use, high recreational values, access

SUMMARY OF CURRENT INFESTATION:

Attack is generally light and scattered with the majority on a two year cycle though one year cycle populations were also discovered. There is a moderate risk of spread from this unit. The amount of code five found compared to the amount of new attack suggests that the population in this polygon may be declining.

<i>Volume Healthy</i>	<i>Volume Year One Attack</i>	<i>Volume Year Two Attack</i>		<i>Volume Old Attack</i>	
171.4	51	0		101.8	
<i>Bark Sample Data (combined)</i>	<i>Entrance Holes</i>	<i>Adults</i>	<i>Larvae</i>	<i>Pupae</i>	<i>Young Adults</i>
	23	7	57	0	3

MANAGEMENT: (in decreasing preference)

Option #1:

Monitor due to potential for spread

Option #2:

This area has high aesthetic values so more aggressive treatment options may be more suitable.