Spruce Bark Beetle Report 2015 Fall

2015-MIS-008

ADMINISTRATION

Polygon: MIS008 **Hectares**: 87.79 **Exact Location**: Trappers Creek

Walkthrough: 4400 **Number of Probe Pixels**: 2 **Date**: 2015.10.03 **Crew**: D. Norwell, M. VanDerStap, Simon Turcotte

STAND INFORMATION

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

The site is located on the northeast side of the trappers mainline, off highway 97, East of Mackenzie junction. The site is on a west facing slope that ranges between 20 and 40%. Vegetation is dominated by balsam fir (60%) and spruce (40%). The terrain is relatively free of rock. There is a small amount of fresh blowdown as well as root disease. There are several small creeks running through the polygon, usually covered in alder.

Stand Susceptibility: Low **Access**: ATV

Other Considerations or Limiting Factors: very narrow access road as well as very steep slopes within the polygon.

SUMMARY OF CURRENT INFESTATION:

Attack is scattered throughout the polygon. Potential for expansion is low due to the high balsam fir content in the overstorey. There is evidence of older attack scattered in the polygon and very little current attack. All current attack noted is on two year cycle.

Volume Healthy	*Volume Year One Attack*	*Volume Year Two Attack*		*Volume Old Attack*	
166.8	55.9	0		99.6	
Bark Sample Data	***Entrance Holes***	***Adults***	***Larvae***	***Pupae***	***Young Adults***
(combined)	12	2	16	0	0

MANAGEMENT: (in decreasing preference)

Option #1: Monitor the stand annually, infestation not likely to expand rapidly due to the high amount of balsam fir in the stand

Option #2:

Conventional trap trees, possibly in conjunction with pheromone baits. Due to the inaccessibility and unlikelihood of harvesting on the steep slopes, if the infestation does increase in the future this may be the only option.