2013 Aerial Overview Surveys
Okanagan TSA

Legend

- IBM - mountain pine beetle in whitebark pine
- IBM - mountain pine beetle in ponderosa pine
- IBM - mountain pine beetle in lodgepole pine
- IBB - western balsam bark beetle
- IBD - Douglas-fir beetle
- IBS - spruce beetle
- IBI - engraver beetles (Ips spp)
- IDB - two-year cycle budworm
- IDL - western hemlock looper
- IDW - western spruce budworm
- IDN - birch leaf miner
- ID6 - aspen serpentine leaf miner
- IDF - forest tent caterpillar
- IDI - pine needle sheath miner
- IDU - satin moth
- DFS - Dothistroma needle blight
- DFL - pine needle cast
- DFO - Lophodermium Needle Cast
- DFG - cottonwood leaf rust (Melampsora)
- DFH - larch needle blight
- DF - unidentified foliar disease
- DLV - aspen-poplar twig blight
- DRA - Armillaria root disease
- AB - bear damage
- AP - porcupine damage
- NW - windthrow
- NCA - aspen decline
- NCB - birch decline
- NCY - yellow cedar decline
- NCF - Douglas-fir decline
- NB - wildfire
- NBP - post-wildfire induced mortality
- NA; NAV - avalanche
- NS - slide
- NF - flooding
- TC - fertilizer burn

Bark Beetle Severity

T = Trace; <1% current mortality
L = Light; 1-10% current mortality
M = Moderate; 10=30% current mortality
S = Severe; 30-50% current mortality
VS = Very Severe; 50-100% current mortality

Defoliator Severity

L = Light Defoliation
M = Moderate Defoliation
S = Severe Defoliation
G = Grey - post infestation mortality

2013 Spot Infestations, Number of Trees

- 5 IBM - mountain pine beetle, lodgepole pine
- 5 IBM - mountain pine beetle, ponderosa pine
- 5 IBM - mountain pine beetle, whitebark pine
- 5 IBD - Douglas-fir beetle
- 5 IBS - spruce beetle
- 5 IBB - western balsam bark beetle
- 5 IBI - engraver beetle
- 5 NCY - yellow cedar decline
- 5 NF - flooding damage
- 5 NBP - post-wildfire mortality
- BMU Boundaries - Spring 2012
- Okanagan Timber Supply Area
- Provincial Parks/Protected Areas
- Water
- Major Road
- Gravel Road
- 20K Mapsheet Tiles

0 2.5 5 10 15 Kilometers

1:300,000

Map produced by:
B.C. Forest Service
Thompson Okanagan Region
Forest Health
October, 2013
**Plot on Ansi E 34"X44"

120°0'0"W 119°0'0"W 118°0'0"W
51°30'0"N 51°0'0"N 50°30'0"N 50°0'0"N 49°30'0"N 49°0'0"N