Ministry of Forests, Lands and Natural Resource Operations

82L/SW Vernon

2017 Aerial Overview Surveys

Pest Information Legend – Kamloops, Okanagan Shuswap, Lillooet, and Merritt TSAs

Map symbology:

- IBM or *10 IBM..... mountain pine beetle, mature lodgepole pine
- IBMy or *10 IBMy... mountain pine beetle, immature lodgepole pine
- Py or *10 Py..... ponderosa pine mortality *
- Pw or *10 Pw..... whitebark pine mortality **
- Pa or *10 Pa..... western white pine mortality ***
- IBD or *10 IBD..... Douglas-fir beetle
- IBB or *10 IBB..... western balsam bark beetle
- IBS or *10 IBS..... spruce beetle
- IBW or *10 IBW..... western pine beetle
- IDW..... western spruce budworm
- IDB..... two-year cycle spruce budworm
- IDT..... Douglas-fir tussock moth
- IDX..... aspen serpentine leaf miner
- IDN..... birch leaf miner
- IDL..... western hemlock looper
- IDS..... pine needle sheath miner
- IDU..... satin moth
- DTH..... larch needle blight (Hypodermella laricis)
- DNM..... larch needle cast (Meria laricis)
- DPL..... pine needle cast
- DPS..... Dothistroma needle blight
- MD..... wildfire
- NW..... windthrow
- DR..... bear feeding-caused mortality
- END..... drought

* ponderosa pine mortality due to either mountain pine beetle or western pine beetle (majority mountain pine beetle).
**whitebark pine mortality due to mountain pine beetle.
***western white pine mortality due to mountain pine beetle.

Polygon Infestation Severity Ratings:

Bark Beetles/Abiotic Mortality:
- T = trace <1% red attack
- L = light 1-10% red attack
- M = moderate 11-29% red attack
- S = severe 30-50% red attack
- VS = very severe 50-100% red attack

Defoliators/Foliar Diseases:
- L = light current defoliation
- M = moderate current defoliation
- S = severe current defoliation
- G = grey/mortality

Spot Infestation Ratings:

For areas of mortality less than 0.5 ha or less than 50 trees:
- 10 IBM = location of infestation, with estimated number of affected trees.

Aerial Survey Dates: July 21, 24, 25, 2017
Weather Conditions: Sunny
Aerial Surveyors: Kevin Buxton, Derek Hodge

Ministry of Forests, Lands, and Natural Resource Operations
Thompson Okanagan Region, Kamloops, B.C.

Note: This map represents preliminary data only; final digital data will be available in the fall from the Resource Practices Branch.

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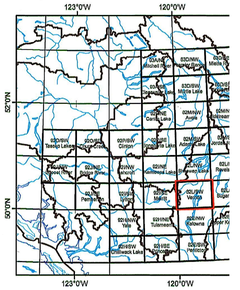
Map produced by:
BC Ministry of Forests, Lands,
and Natural Resource Operations
Thompson Okanagan Region
Forest Health Program

Legend
- Contour - Index - 100 metre
- Paved road
- Airfield; Airport; Airstrip
- gravel/secondary road
- Trail, Skid Trail
- Rail Line
- Water - Lines (20K)
- Mine - Tailing Pond
- Lake - Definite
- Reservoir - Definite
- Tree Farm Licence

1:100,000

0 2 4 6 8 Km

Map Location:



82L/SW Vernon

1:100,000

Path: W:\FOR\RSI\RSI\Projects\buxtonkh\arcmap files\2016\2016 Overview Surveys\Overview Survey Base Maps\2016 RKA overview map background_only_26X40_version_data_driven_pages_ov10_2.mxd