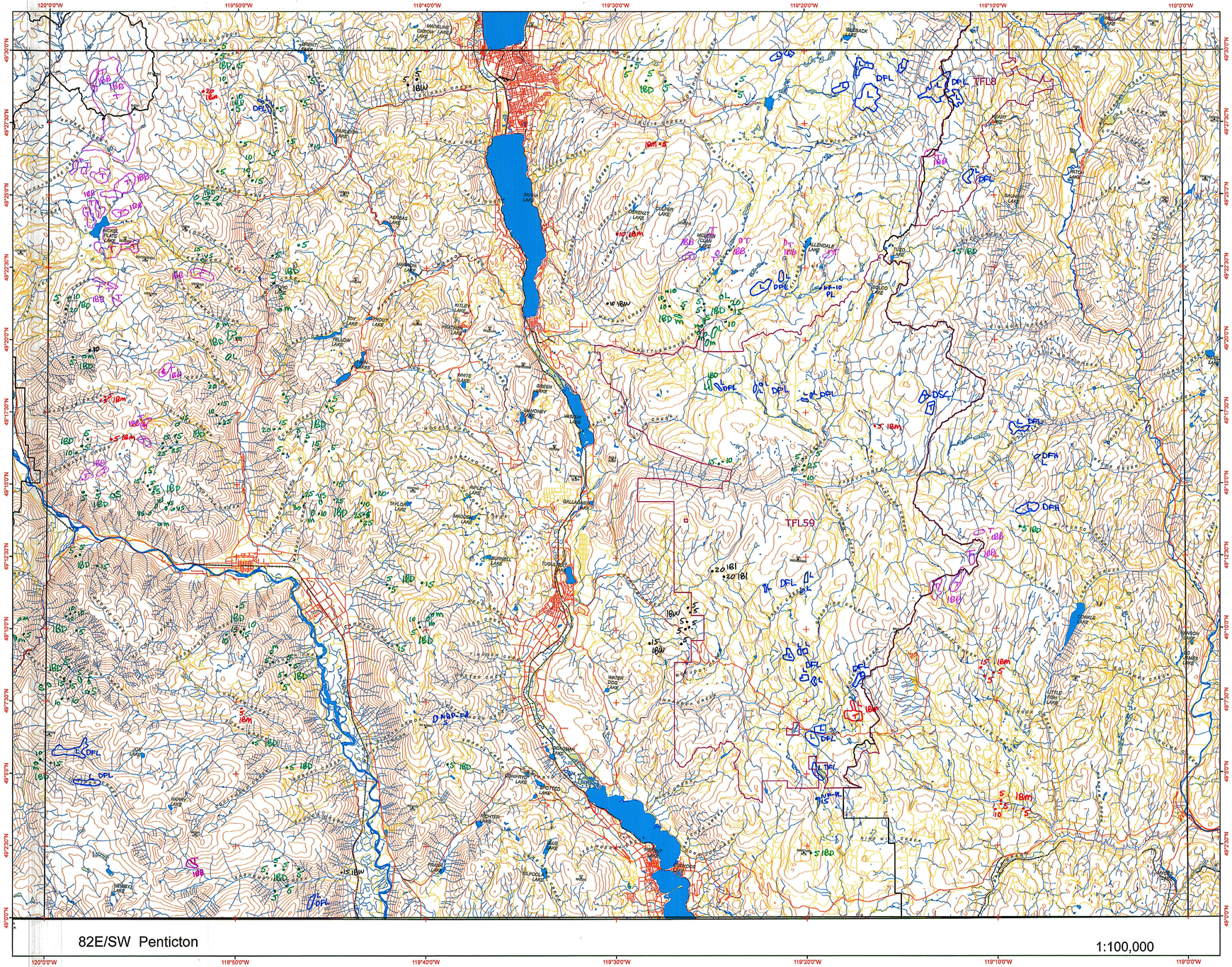



Ministry of Forests, Lands and Natural Resource Operations

# 82E/SW Penticton

## 2017 Aerial Overview Surveys

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

Map symbology:

- 1BM or 1BM-y — mountain pine beetle, mature lodgepole pine / mountain pine beetle, immature lodgepole pine
- Py or Pw — pondorosa pine mortality * / whitebark pine mortality **
- Pa or IBD — western white pine mortality *** / Douglas-fir beetle
- IBB or IBG — western balsam bark beetle / spruce beetle
- IBW or IDW — western pine beetle / 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
- IDL — pine needle sheath miner
- IDU — satin moth
- DTH — larch needle blight (*Hypodermella laricis*)
- DTM — larch needle cast (*Meria laricis*)
- DFL — pine needle cast
- DHS — Dothistroma needle blight
- WB — wildfire
- YYW — stockworm
- IMR — Mountain Pine Beetle
- DSC — Cronartium Western rust
- IPS — Pine Engraver beetle

* pondorosa 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/Adelgids 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
D=grey/mortality

**Spot Infestation Ratings:**

For areas of mortality less than 0.5 ha or less than 30 trees:
- 10 IBM = location of infestation, with estimated number of affected trees.

Aerial Survey Dates: July 21, 2017
Weather Conditions: Mixed, Smoke cloud
Aerial Surveyors: Kevin Buxton, Janice Hodge


Ministry of Forests, Lands, and Natural Resource Operations
Thompson 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.


For questions/comments, please contact:
-Kevin Buxton, Forest Health Specialist, 250-828-4196
kevin.buxton@gov.bc.ca
-Lorraine MacGuachlen, Forest Entomologist, 250-828-4179
lorraine.macGuachlen@gov.bc.ca


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

**Legend**

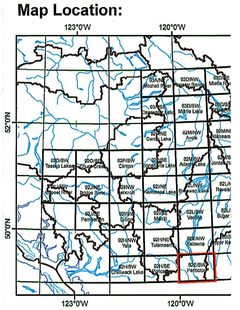
- Contour - Index - 100 metre
- Paved road
- Airfield; Airport; Airstrip
- gravel/secondary road
- Trail, Skid Trail
- Rail Line
- Water - Lines (20K)
- Mine - Tailing Pond
- Lake - Definite
- Reservoir - Definite
- Tree Farm Licence

N

1:100,000

0 2 4 6 8 Km

**Map Location:**




Path: W:\FOR\RSI\RSI\Projects\buxtonkh\aeromap files\2016\2016 Overview Surveys\Overview Survey Base Maps\2016 RKA overview map background_only_28X40_version_data_driven_pages_ov10_2.mxd