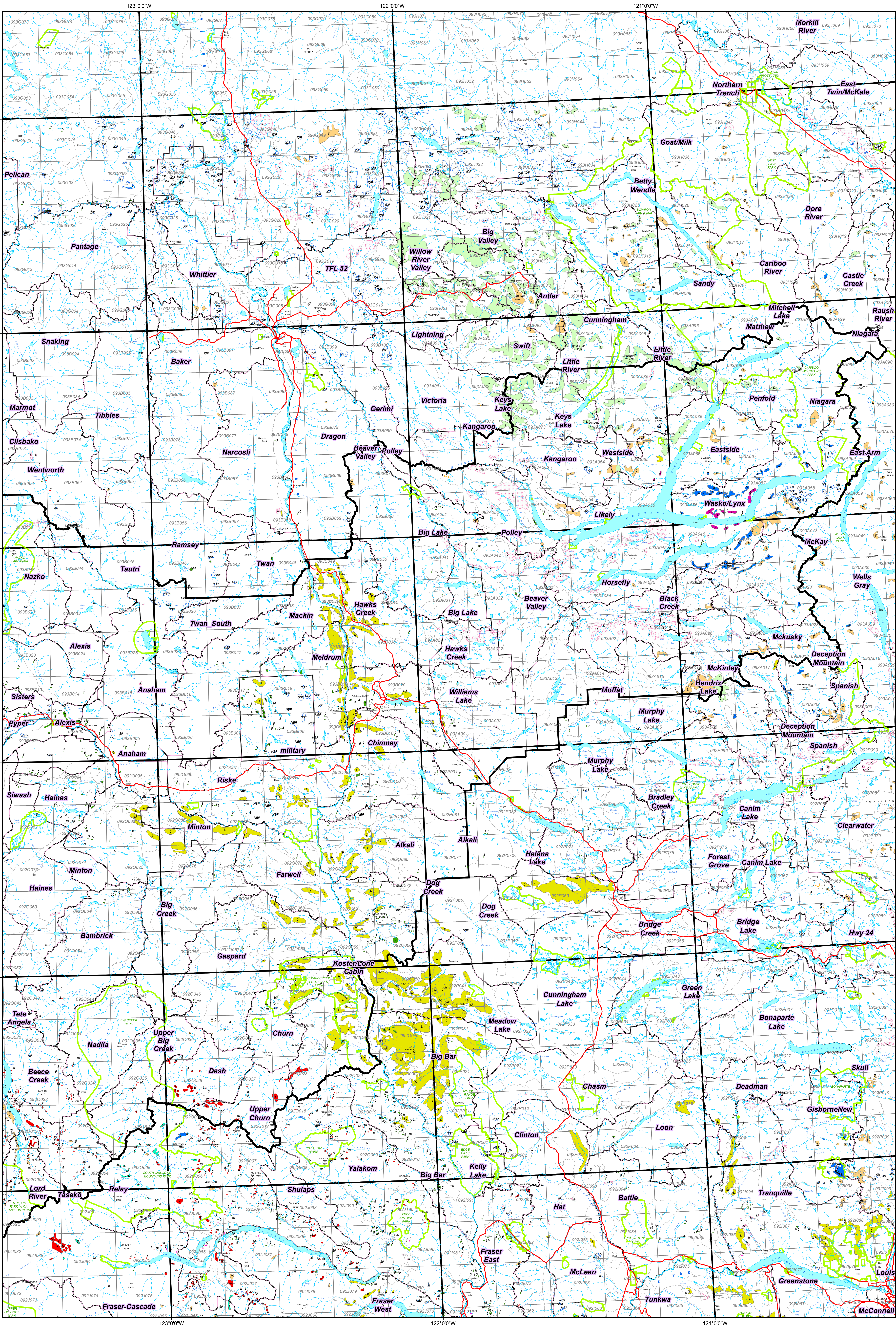




2013 Aerial Overview Surveys
Williams Lake TSA - East

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
 - IDF - aspen serpentine leaf miner
 - IDF - forest tent caterpillar
 - IDI - pine needle sheath miner
 - IDU - satin moth
 - DFS - Dotistroma 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
- Defoliation 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
Williams Lake Timber Supply Area
Provincial Parks/Protected Areas
Water
Major Road
Gravel Road
20K Mapsheet Tiles

0 2.5 5 10 15
Kilometers

1:325,000



Map produced by:
B.C. Forest Service
Thompson Okanagan Region
Forest Health
October, 2013
**Plot on ANSI E 34"x44"