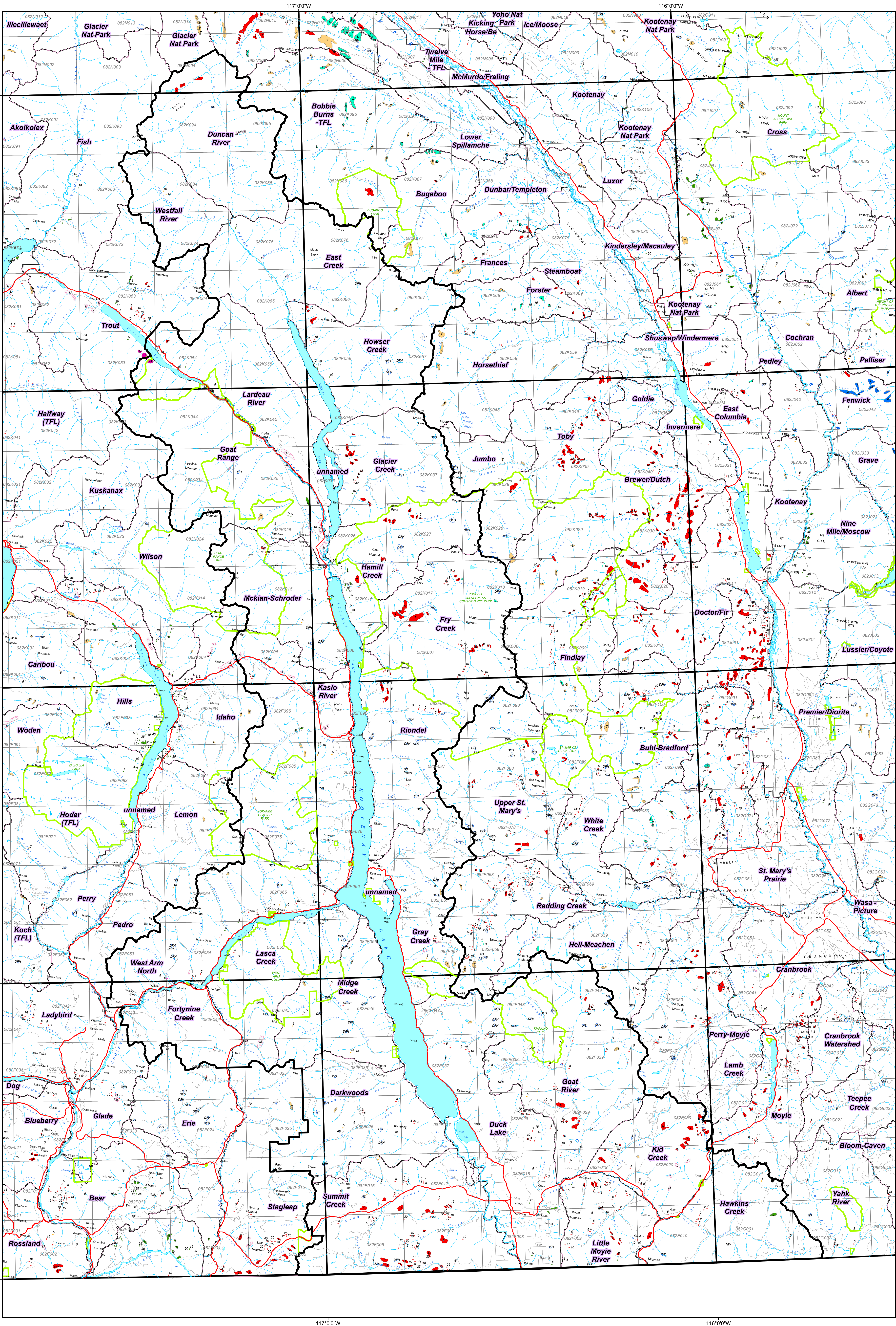




# 2013 Aerial Overview Surveys Kootenay Lake TSA

- 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
  - IDG - aspen serpentine leaf miner
  - IDF - forest tent caterpillar
  - IDL - 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
  - NAI - 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 IDB - two-year cycle budworm
  - 5 IDL - western hemlock looper
  - 5 IDW - western spruce budworm
  - 5 NF - flooding damage
  - 5 NBP - post-wildfire mortality
- BMU Boundaries - Spring 2012  
Kootenay Lake Timber Supply Area  
Provincial Parks/Protected Areas  
Water  
Major Road  
Gravel Road  
20K Mapsheet Tiles

0 2.5 5 10 15  
Kilometers

1:235,000

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