

### LEGEND

#### INTRUSIVE ROCKS

- Middle Jurassic (~163 Ma)** Hornblende-biotite quartz monzonite
- Early Jurassic (159-195 Ma)** Hornblende quartz porphyritic monzonite
- Late Triassic to Early Jurassic composite intrusions**
  - Pyroxene-hornblende monzonite, hornblende-biotite monzonite and potassium feldspar megacrystic syenite
- Late Triassic (205-200) Ma**
  - Dikes: K-spar megacrystic syenite (sv), augite porphyry (px), monzonite (mz)
  - Breccias: potassic-albitic-calcic altered, matrix to diast-supported, poymitic intrusive-dominated pipes
  - Biotite-pyroxene diorite
  - Pyroxene/hornblende-biotite monzonite
  - Melanocratic (pyroxene + hornblende) pseudoleucite syenite
  - Orbicular pseudoleucite nepheline syenite
  - Hydrothermal altered intrusive caprock holocrystalline monzonitic intrusions and volcanoclastic wall rock
  - Undivided polythitic breccias

#### LAYERED ROCKS

- Quaternary thick alluvium: Qal** Vesicular alkali olivine basalt breccia flows
- Miocene to Pleistocene Chilcotin Group**
- Eocene Kamloops Group** Undivided calcalkaline volcanic rocks
- Unnamed Cretaceous Conglomerate** Mudstone, siltstone, shale and fine clastic sedimentary rocks
- Middle Jurassic Dragon Mountain Formation** Polymictic clast-supported cobble conglomerate, includes gneiss, marble, chert, granitoid and volcanic clasts
- Unnamed Sinemurian to Pliensbachian Sediments** Brown-grey siltstone, sandstone and calcareous conglomerate
- Sinemurian (196 Ma)** Quartz phric tuff
- Late Triassic to Early Jurassic** Well-bedded and sorted, polymictic volcanic conglomerate pink, monzonite to K-spar megacrystic syenite clasts
- Late Triassic Nicola Group**
  - Red-brown, massive, polymictic breccia, feldspar and hornblende crystal tuff
  - Hornblende phric andesitic basal flows and breccias
  - Plagioclase phric, pyroxene lapilli tuff, breccia and minor flows
  - Limestone, ash and crystal-rich sandstone and maroon siltstone
  - Pink-white analcime pyroxene/olivine basalt breccia, flows and tuffs
  - Green and maroon pyroxene porphyry breccias, pyroxene-olivine basalt flows and crystal-rich sediments
  - Massive, coarse polymictic volcanic breccias, graded sandstones, siltstone and rare limestone breccia horizons
  - Grey siltstone, normal graded sandstone and cherty shale with pyroxene and plagioclase-rich crystal sandstones
  - Undivided mafic volcanic and volcanoclastic rocks
- Middle to Late Triassic**
  - Pyroxene/hornblende metabasalt, greenstone and plagioclase crystal tuff
  - Graphitic and quartzose phyllite, shale, siltstone and sandstone
- Pennsylvanian to Permian Crooked Amphibolite** Serpentine, sheared ultramafic rocks
- Mississippian to Jurassic Cache Creek Group** Ribbon chert, argillite, basalt, limestone, greenstone
- Proterozoic to Mississippian Snowshoe Group** Gneiss, schist, marble, amphibolite, conglomerate, quartzite

### SYMBOLS

- Contact defined
- Contact approximate
- Contact assumed
- Fault defined
- Fault approximate
- Fault assumed
- Thrust fault defined
- Thrust fault assumed
- Uniformly assumed
- Outcrop area
- Isolated outcrop

#### MINFILE STATUS

- Producer
- Past Producer
- Developed Prospect
- Prospect
- Stowing

#### Bedding

- Bedding, inclined
- Bedding, vertical
- Bedding, tops known
- Bedding, overturned
- igneous flow banding
- Brittle shear
- Brittle shear, vertical
- Vein
- Weld
- Foliation, 1st phase
- Foliation, 2nd phase
- Lineation, first generation
- Lineation, second generation
- Slidescene
- Joint
- 3M, vertical
- Dike
- Dike, vertical

40/39 Argon isotopic age determination site  
 Uranium/lead isotopic age determination site

#### Roads

- 1 Lane
- 2 Lanes
- 2 Lanes, paved

### Data Sources

- Bailey, 1978
- Bailey, 1990; Pantolejev et al., 1996
- Blockgold, 1999
- Fox and Cameron, 1995
- Fraser, 1995
- Hodgson, 1978
- Rees, 1987
- Lakes
- Roads
- Limit of mapping
- Field station 2004 & 2005
- Geoscience Map 2007-1 (this map)

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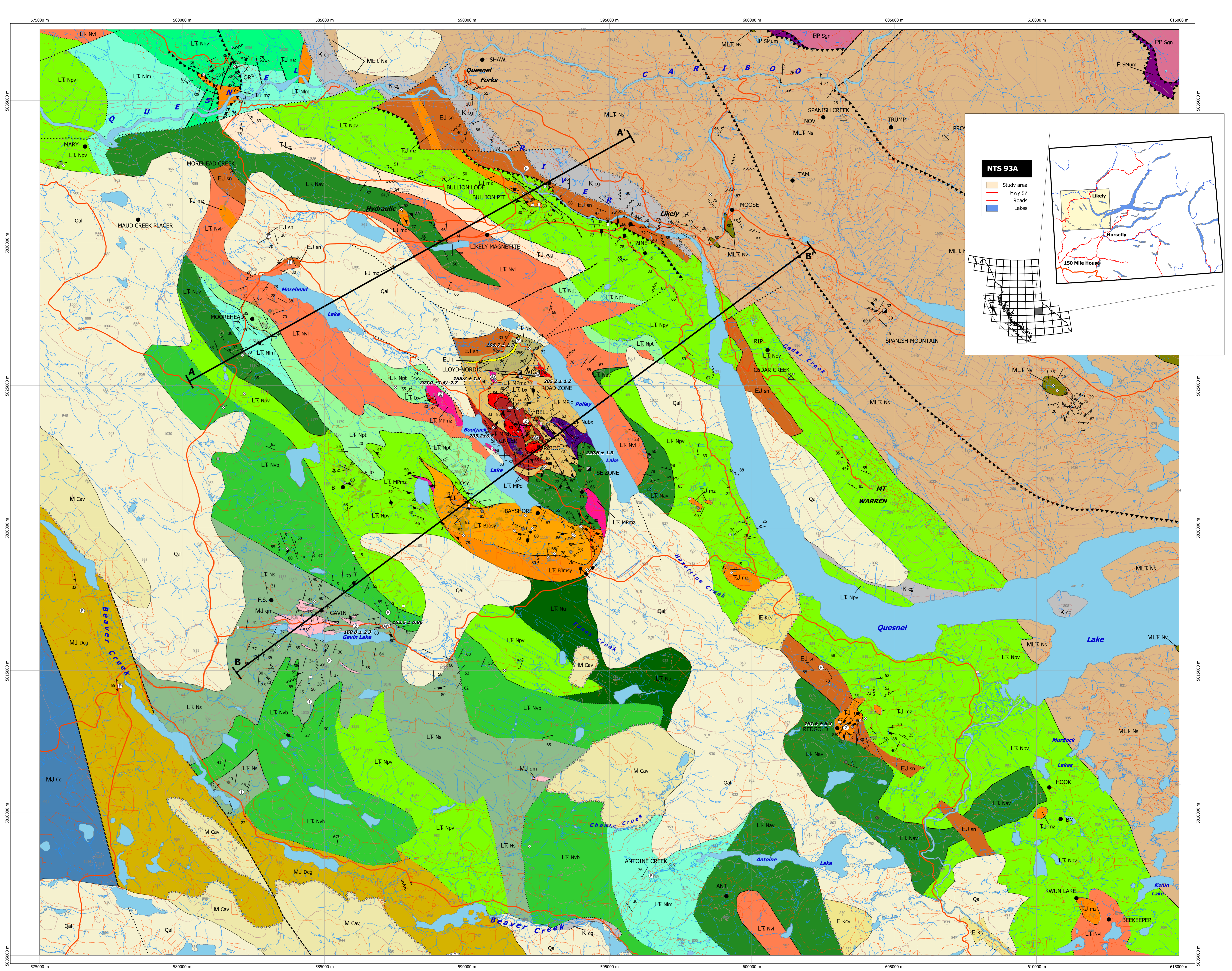
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### NTS 93A

- Study area
- Hwy 97
- Roads
- Lakes

