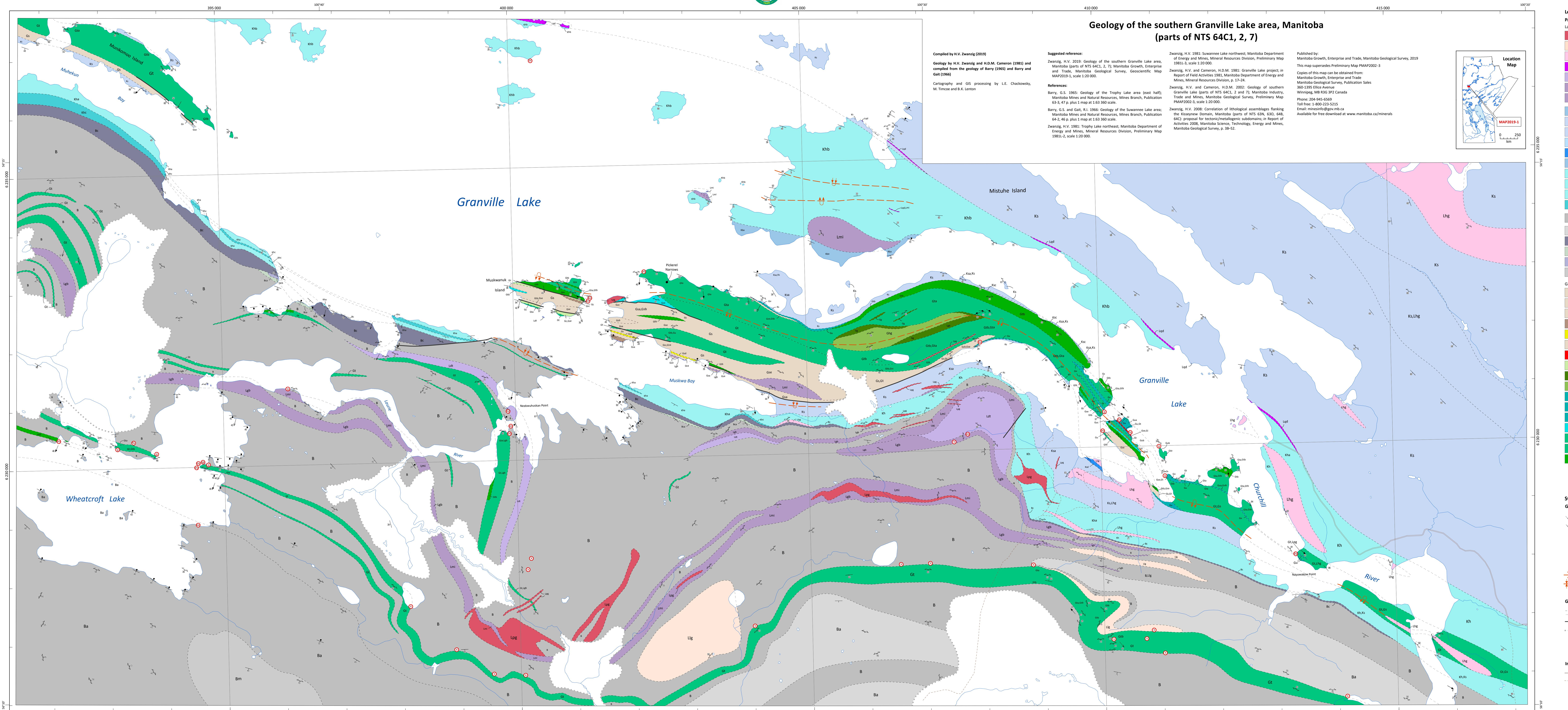




## Geology of the southern Granville Lake area, Manitoba (parts of NTS 64C1, 2, 7)



| Legend   |   |
|--|---|
| <b>Paleoproterozoic</b>                              |   |
| Lpg  | Late intrusive rocks (felsic to mafic)<br>Pegmatite, aplite, granite                        |
| Lig  | Leucogranite-sillimanite, granodiorite, pegmatite   |
| Lhg  | Hornblende and biotite-granodiorite   |
| Lqd  | Diorite, quartz diorite (blackdiorite)  |
| Ldt  | Diorite-tonalite  |
| Lmi  | Mafic to intermediate intrusions (gabbro-tonalite)  |
| Lgb  | Metagabbro, amphibolite   |
| K  | Metacarbonate rocks (undivided)   |
| Ks   | Meta-arkose/gneiss-muscovite-sillimanite knots (upper and lower units)                      |
| Ksa  | Cross-bedded meta-arkose (lower unit)   |
| Ksc  | Quartzite   |
| Ksd  | Arkose metaglomerate with sillimanite knots   |
| Kba  | Light grey and reddish metasandstone/sillimanite  |
| Kh   | Hornblende-biotite meta-schist/granite  |
| Kha  | Laminated pink grey and green metasandstone, minor metasediment                             |
| Khb  | Greenish grey calc-silicate metasandstone   |
| Khc  | Arkose-pebble metaglomerate, commonly hornfelsic  |
| B  | Burntwood Group (metagreywacke-mudstone turbidite, generally graphitic)                     |
| Ba   | Sickly-feldspar-rich arkose metagreywacke-sillimanite                                       |
| Bc   | Sandstone-pebble metaglomerate, local greywacke base or interbeds                           |
| Bca  | Feldspathic metagreywacke-hornfels, local pebble beds                                       |
| Bcb  | Greywacke and pebble metaglomerate-sillimanite  |
| Bm   | Garnet-biotite-sillimanite migmatite (metatexite, 10-50% leucosome)                         |
| <b>Granville Complex</b>                             |   |
| Gs   | Metagreywacke, mudstone, gritstone  |
| Gsa  | Feldspathic metagreywacke, gritstone  |
| Gsb  | Sillimanite-rich metagreywacke  |
| Gsc  | Metagreywacke-breccia, pebbly mudstone/conglomerate   |
| Gsd  | Rhythmic metaglomerate/fragmental volcanic, felsic tuff (87 Ga)                             |
| Gse  | Siliceous meta-arenite and mudstone, chert, minor pelitic gneiss                            |
| Gi   | Mete-iron formation, mainly sulphide facies, local silicate facies and calc-silicate        |
| Gc   | Calcareous to siliceous psammite (sandstone-siltstone)                                      |
| Gg   | Metagabbro, amphibolite   |
| Ghg  | Coarse grained diopside-rich melagabbro, ultramafic amphibolite                             |
| Gu   | Marie-ultramafic rocks (Pickeen Narrows amphibolite: Oliv, Fragments, talc, tuff, flows)    |
| Guu  | Metavolcanic pillow flows, fine grained interlayers of flows or tuff                        |
| Gub  | Layed mafic rock, pillow basalt and gabbro  |
| Guc  | Calcareous rock, carbonate alteration   |
| Gt   | Amphibolite, metabasalt, gabbro (Todd Lake basalt)  |
| Gta  | Amphibolite with relict pillow structure, pillowed metabasalt, minor metagabbro, metapelite |
| Gtb  | Hornblende-diopside amphibolite, layered eclogite or massive; intermediate to felsic gneiss |
| <b>Symbols</b>                                       |   |
| <b>Geological structures</b>                         |   |
| Bedding: tops unknown, tops known, overturned        |   |
| Pillows: tops unknown, tops known, overturned        |   |
| Foliation: generally S <sub>1</sub> , S <sub>2</sub> |   |
| Intersection lineation: generation unknown, L-fabric |   |
| Fold axis: generation and symmetry unknown           |   |
| Fold axial plane, generation unknown                 |   |
| Axial trace of anticline: upright, overturned        |   |
| Axial trace of syncline: upright, overturned         |   |
| <b>Geological boundaries</b>                         |   |
| Contact: approximate, underwater                     |   |
| Fault: defined or approximate                        |   |
| Limit of overburden                                  |   |
| <b>Mineral showings</b>                              |   |
| Pyrite   | Pyrite  |
| po-pyrrhotite  | Po-pyrrhotite   |
| br-beryl   | Beryl   |
| si-sphalerite  | Sphalerite  |
| au-gold  | Gold  |
| <b>Infrastructure</b>                                |   |
| Winter road  |   |
| Trail  |   |