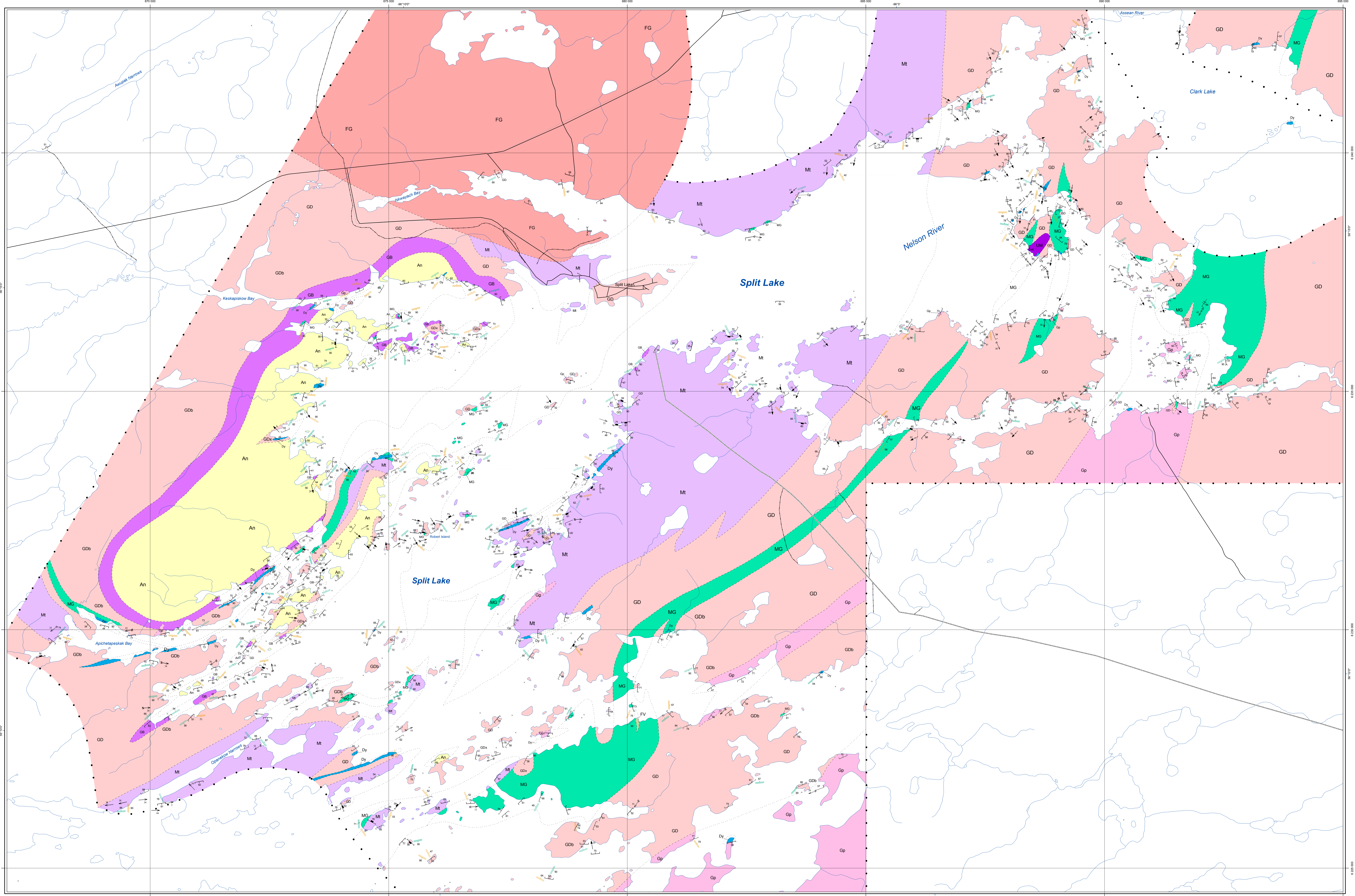




Geology of central and north Split Lake, Manitoba (parts of NTS 54D4, 5 and 64A1, 8)



- Legend**
- Paleoproterozoic**
- FG** Fox Lake granite; K-feldspar-plagioclase-quartz ± biotite ± muscovite, includes apatite, K-feldspar megacrystic pegmatite, and homogeneous medium-grained granite, may include some phases of Gp
 - Gp** Coarse-grained granite and pegmatitic dikes; K-feldspar-plagioclase-quartz-biotite ± muscovite, weakly foliated to massive, medium-grained to porphyritic, some phases are cut by FG
 - UM** Ultramafic sill (websterite); clinopyroxene-orthopyroxene ± olivine ± serpentine, medium grained, massive, cut by apite of unit FG
 - Dy** Gabbro dikes; plagioclase-hornblende ± pyroxene ± chlorite, aphanitic to coarse grained, massive to moderately foliated, locally lobbed and/or sheared; igneous layering locally, plagioclase phytic locally, predominantly northeast-trending
- Archean**
- GDb** Granodiorite to tonalite (locally enderbite); plagioclase-quartz-hornblende ± K-feldspar ± pyroxene ± biotite ± garnet ± magnetite, contains numerous mafic and pegmatitic dikes; K-feldspar-plagioclase-quartz-biotite ± muscovite, weakly foliated to massive, medium-grained to porphyritic, some phases are cut by FG
 - Mt** Gabbro to mafic tonalite gneiss; plagioclase-hornblende ± biotite ± quartz ± pyroxene, gneissic, medium to coarse grained
 - An** Anorthosite; plagioclase-hornblende ± quartz, coarse grained with plagioclase megacrysts
 - GB** Gabbro to norite; hornblende-plagioclase ± pyroxene, coarse grained with plagioclase rare megacrysts, locally displays igneous layering
 - FV** Felsic volcanic in unit MG; plagioclase-quartz-hornblende-sulphides ± K-feldspar ± zircon ± apatite, fine grained, quartz phenocrysts
 - MG** Mafic granite; plagioclase-hornblende ± pyroxene ± garnet, moderately to well layered, medium to coarse grained, 1m thick horizons of graphic, garnet-rich pellets are locally present

- Symbols**
- Foliations**
- Foliation: generation unknown, generation 1, generation 2
 - Gneissosity: generation unknown, generation 1, generation 2
 - Cleavage: generation unknown, generation 1, generation 2
- Faults and shears**
- Fault: dextral, sense unknown
 - Shear: dextral, sinistral, sense unknown
- Minor folds**
- Axial plane: generation 2, generation unknown
- Fold axis**
- S-asymmetric: generation unknown, generation 2
 - Z-asymmetric: generation unknown, generation 2
 - Symmetric: generation unknown, generation 2
 - Symmetry unknown
- Lineation**
- Lineation: generation unknown, generation 1
- Approximate contact
Assumed contact
Limit of mapping
- Reef
Powerline
Road
Cut line
Trail
- Geology by:**
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This map is a professional summary of work carried out during the summer field season and is produced directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.

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Scale: 1:25 000

0 1 000 2 000 3 000
Metres

Universal Transverse Mercator projection, Zone 14,
North American Datum 1983

