

1981

Stratigraphy of the western Lake St. Joseph greenstone terrain, Northwestern Ontario

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Scale: 0 160 320 480 640 800 meters
 Drawn by B. Berger
 B. BERGER

LEGEND

- 11** Granitic Intrusives
 a. granitic rocks of the Blackstone Batholith
 b. granodiorite
 c. gneiss
 d. syenite
- 10** CARLING FORMATION
 Layered
 a. peridotite
 b. pyroxenite
 c. gabbro
 d. granophyre
- 9** Mafic Intrusives
 a. gabbro
 b. diorite
 c. hornblende-rich gabbro
 d. quartz-rich gabbro
- 8** Metasediments
 a. greywacke (plagioclase-rich)
 b. arkosic wacke/microcline-rich
 c. argillite-phyllite
 d. pebble conglomerate
 e. chert and siltstone
 f. derived schists
 IF oxide iron formation
- 7** Felsic Metavolcanics
 a. massive flows
 b. ash tuffs
 c. lapilli tuffs
 d. breccias
 e. porphyries
 f. derived schists
 g. tuffaceous sediments
- 6** Mafic and intermediate Metavolcanics
 a. massive flows
 b. ash tuffs
 c. lapilli tuffs
 d. breccias
 e. dikes
 f. derived schists
 p. pillowed lavas
 ph. pillow breccias
- W. LAKE ST JOSEPH FORMATION**
 Felsic Metavolcanics
5
 a. massive flows
 b. ash tuffs
 c. lapilli tuffs
 d. breccias
 f. derived schists
 g. tuffaceous sediments - greywacke
 h. graphitic argillites
- 4** Mafic and intermediate Metavolcanics
 a. massive flows
 b. ash tuffs
 c. lapilli tuffs
 d. breccias
 f. derived schists
 p. pillowed lavas
- 3** BLACKSTONE FORMATION
 Metasediments
 a. greywacke
 b. argillite-phyllite
 c. tuffaceous sediments
- 2** Felsic Metavolcanics
 a. massive flows
 b. ash tuffs
 c. lapilli tuffs
 d. breccias
 e. porphyries
 f. derived schists
- 1** Mafic and intermediate Metavolcanics
 a. massive flows
 b. ash tuffs
 c. lapilli tuffs
 f. derived schists
 p. pillowed lavas

SYMBOLS

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|--|---|--|--|
| | bedding, dip inclined, vertical | | gabbro |
| | bedding with tops by grading, cross-bed, overturned | | gabbro with pyroxenite |
| | pillow tops: dip unknown, known | | gabbro with pyroxenite and gabbro |
| | foliation: dip inclined, vert. col. unknown | | gabbro with pyroxenite and gabbro with pyroxenite |
| | gneissosity: vertical, dip | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | bedrock: large, small outcrop | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | fault: defined, inferred, assumed | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | geological contact: defined, inferred, assumed | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | diorama: dip into, projected to surface | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | silver | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | asbestos | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | arsenic | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | copper | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | carboniferous | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | chert | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | garnet | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | magnetite | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | pyrrhotite | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | quartzite | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | schistose | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | siltstone | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | tuffaceous sediments | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | wacke | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |
| | zirconium | | gabbro with pyroxenite and gabbro with pyroxenite and gabbro |

