



LEGEND

| | | | |
|------------------------|---------------------|---|--|
| CENOZOIC | 17 | GLACIAL DEPOSITS, ALLUVIUM | Till, outwash; alluvium. |
| | MANICOUAGAN COMPLEX | | |
| MESOZOIC (TRIASIC) | [Hatched] | CONTACT METAMORPHOSED COUNTRY ROCKS | Bedrock of shock stages 0, 1, and 11 contact metamorphosed by units 16 and 15. Rocks with decomposed mafic minerals, zeolitized rocks, hornfelsed amphibolites, and melted and vesiculated gneisses. |
| | 16 | MONZONITE | Medium to coarse-grained, brown, grey, or red massive rock with 1.5-shape pyroxene phenocrysts. (May be younger than unit 15.) |
| | 15 | LATITE | Aphanitic to fine-grained brown, red, or grey massive rock. (15a) Medium-grained latite. May belong to unit 16 or transitional between 15 and 16. |
| | 14 | BASALT | Aphanitic black rock, locally glassy, locally vesicular. (14a) Red or greyish-black aphanitic rock that grades to basalt (14), red breccia (13c), and suevite (13b). |
| | 13 | BRECCIAS | (pt) Pseudotachylite. Veins and dikes. (13a) Autochthonous breccia. Rotated fragments in comminuted matrix. (13b) Suevite. Brown, green, or red polymict breccia with heterogeneous glasses and mixed shocked and unshocked fragments. (13c) Red breccia. Nearly monomict breccia with heterogeneous glasses and shocked fragments. May be correlative with suevite (13b). |
| | pt | PSEUDOTACHYLITE | |
| | 12 | SHOCK METAMORPHOSED COUNTRY ROCKS | Rocks of shock stages 0, 1, 11 of Stage (12.1), 12-shock stage 0 not shown on map (see text). (12a) Shock Stage 1. Planar features in quartz and feldspar, deformation 2-3-4 to hornblende. (12b) Shock Stage 11. Baplectic glass (formed by shock in the solid state). |
| | [Hatched] | | |
| | [Hatched] | | |
| | [Hatched] | | |
| PALEOZOIC (ORDOVICIAN) | 11 | SEDIMENTARY ROCKS | Limestone; minor sial- and siltstone. |
| | 10 | MICA-AMPHIBOLE PERIDOTITES | Unmetamorphosed mica-amphibole peridotites. |
| PRECAMBRIAN | 9 | BASIC DIKES | Basalt and diabase; partly recrystallized and locally metamorphosed to amphibolite facies. |
| | 8 | ANORTHOITES | Metamorphosed garnetiferous anorthosite; minor gabbroic anorthosite including minor peridotites, pegmatites, and a breccia pipe. (8a) Lake Tépéscara anorthosite. (8b) Mont de Label anorthosite. |
| | 7 | BASIC AND ULTRABASIC ROCKS | Raudot Lake layered intrusive massif; (7a) Ultrabasic gabbro. (7b) Coronitic gabbro. |
| | 6 | GACNON GROUP (GRENVILLE SUPERGROUP?) | Brecciated metagranite (67), white metagranite, ferruginous metagranite, iron formation, marble, well-bedded graphitic paragneiss, muscovite-bearing quartzofeldspathic gneiss. |
| | 5 | GRANITIC GNEISS | Undifferentiated granitic gneiss, minor granite, probably of several ages. (5a) Mixed granitic gneiss and grey gneiss. |
| | 4 | GREY GNEISS COMPLEX | Hornblende-biotite-quartz-feldspar gneisses, commonly garnetiferous, locally with sillimanite or kyanite. (4a) Metamorphosed mafic and ultramafic rocks. |
| | 3 | AMPHIBOLITE-GRANULITE TRANSITIONAL FACIES ROCKS | Mixed grey gneisses (3), charnockitic gneisses (2), and granitic gneisses (5), tan gneisses (tan pyroxene-bearing rocks transitional between granulite and amphibolite facies), melanocratic gneisses (mafic gneisses associated with the hybrid gneisses). |
| | 2 | CHARNOCKITIC ROCKS | Green hypersthene-bearing rocks of diverse composition. (2a) Weakly foliated or nearly massive rocks. (2b) Gneissic rocks with abundant biotite and/or hornblende. (2c) Charnockitic syenite. (2d) Charnockitic diorite. |
| | 1 | MANICOUAGAN UPLANDS METAGABBRO | Homogeneous hypersthene-clinopyroxene-labradorite rock, commonly linedated. (1a) Biotite-hornblende metagabbro, retrograde facies of (1). (1b) Granulite facies rocks intercalated with metagabbro. |

- Rock outcrop, area of outcrop xx
- Geological boundary (defined or approximate, assumed)
- Limit of geological mapping
- Bedding (inclined)
- Gneissosity (inclined, vertical, dip unknown)
- Lineation
- Fault (approximate)
- Slump block fault (D on down-dropped side)
- Shearing (inclined)
- Shatter cone locality
- Center of the Manicouagan Cryptoplosion Structure
- Mineralization

MAP 28-1967 CARTE GÉOLOGIE-GÉOLOGIE LAC MANICOUAGAN QUÉBEC

Scale 1:126,720 Échelle 1 inch to 2 miles 2 miles au pouce

Miles 0 2 4 6 Kilomètres 0 2 4 6

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Geological cartography by the Geological Survey of Canada, 1968

Base-map from 1/250,000 scale map compiled by the Army Survey Establishment, R.C.E., 1963

Approximate magnetic declination 1968, 25°35' West decreasing 3/2' annually

Elevations in feet above sea-level

The contour interval in the central portion of the map is 100 feet compared to 200 feet for the remainder of the map