CANADA
DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA

LEGEND

PROTEROZOIC

- **10** — *Gabbro, diabase;* **10a**, *porphyritic*
- **9** — *Muscovite granite, gneissic in part*
- **8** — *Quartz-feldspar porphyry*
- **7** — *Altered diorite;* **7a**, *massive to gneissic, recrystallized basic rocks of uncertain origin*
- **6** — YELLOWKNIFE GROUP (1-6) *Mainly nodular quartz-feldspar-mica schists or hornfels, derived from* 3, 4, *and* 5 (**A**, *andalusite-bearing;* **C**, *cordierite-bearing;* **G**, *garnet-bearing;* **S**, *staurolite-bearing); minor pegmatitic material;* **6a**, *nodular structure less apparent;* **6b**, *sheared*

ARCHÆAN

- **4** — *Argillite, slate; minor argillaceous greywacke and graphite schist;* **4a**, *including siliceous and argillaceous greywacke;* **4b**, *mainly argillaceous greywacke;* **4c**, *argillite grading into siliceous and argillaceous greywacke;* **4d**, *nodular*
- **3** — *Siliceous greywacke containing nodules of hornblende granulite; minor argillite, slate, and argillaceous greywacke;* **3a**, *some argillaceous greywacke;* **3b**, *incipient nodular structure;* **3c**, *coarse siliceous greywacke;* **3d**, *siliceous greywacke altered to a dioritic rock*
- **5** — *Intimate mixture of siliceous greywacke* (3) *and argillaceous greywacke and argillite* (4) *but slightly more metamorphosed; greywacke, quartz-feldspar-mica schist, spotted phyllite, slate, and argillite*
- **2** — *Quartzite, in part nodular* (**A**, *andalusite-bearing); hornblende, biotite, and biotite-hornblende granulites; amphibolite; garnetiferous in part; siliceous and argillaceous greywackes, in part nodular; argillite*
- **1** — *Hornblende-feldspar gneisses and amphibolite, garnetiferous in part, usually gneissic and banded; dacite; minor basalt and andesite;* **1a**, *pillowed;* **1b**, *fragmental;* **1c**, *massive*

Gravel and sand ridges, eskers
Rock outcrop
Isograd line of metamorphism
Bedding (inclined, vertical, overturned, dip unknown)
Bedding (direction of dip known, upper side of bed unknown)
Bedding (upper side of bed faces as indicated, direction of dip unknown)
Bedding (surface trace of bedding plane)
Schistosity, gneissosity, foliation (inclined, vertical, dip unknown)
Fault (defined, assumed)
Anticline
Syncline
Glacial striae
Shaft

MINERAL OCCURRENCES

Gold	Au
Pyrite	Py
Pyrrhotite	Po
Arsenopyrite	As
Pegmatite	P

Trail
Winter road
House, tent

INDEX TO MINERAL CLAIMS

1. Joan 9	11. G. P. S. 6	21. Avis 2
2. N W B 5 Fraction	12. N W B 4	22. Lux 4
3. Joan 8	13. Joan 1	23. Lux 1
4. Joan 7	14. Discovery Fraction	24. Quinn Fraction
5. Joan 3	15. G. P. S. 3	25. Ash 1
6. Joan 2	16. G. P. S. 2	26. Ash 6
7. N W B 1	17. G. P. S. 1	27. Ash 5
8. N W B 3	18. Lux 2	28. Ash 2
9. G P S. 4	19. Lux 3	29. Ash 3
10. G. P. S. 5	20. Avis 1	30. Ash 4

Geology by L. P. Tremblay, 1948, 1949

Base-map by Topographical Survey 1948.

Geographic names subject to revision.

Cartography by the Geological Mapping Division, 1950.

Approximate magnetic declination, 35° 19' East.

PRELIMINARY MAP 50-18A

GIAUQUE LAKE

NORTHEAST SHEET

DISTRICT OF MACKENZIE

NORTHWEST TERRITORIES

Scale: 1 Inch to 1000 Feet = $\frac{1}{12,000}$

1000 0 1000 2000 3000 Feet

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