Canada
Department of Mines
Hon. Charles Stewart, Minister; Charles Camsell, Deputy Minister.

GEOLOGICAL SURVEY
W.H. Collins, Director.

Issued 1923

PRELIMINARY MAP

LEGEND

HURONIAN QUATERNARY

- POST-GLACIAL — *Thin-bedded clays, silts, and sands*
- GLACIAL — *Boulder clay, terminal moraine, esker and kame deposits*
- COBALT SERIES — A6 — *Conglomerate, with some greywacke, arkose, and slate*

Great Unconformity

PRE-HURONIAN

PRE-HURONIAN INTRUSIVES
- 5 — *Later gabbro: dykes*
- 4 — *Syenite porphyry: dykes and small basses*
- 3 — *Granite: dykes and batholiths*
- 2 — *Older gabbro: dykes and irregular masses*
- 1 — *Diorite porphyry*

Intrusive contact

TIMISKAMING SERIES
- A5 — *Altered basalts*
- A4 — *Greywacke and quartzite mainly, largely altered to mica schist; some small sills of amphibolite*
- A3 — *Conglomerate with some interbedded greywacke*

Unconformity

KEEWATIN
- A2 — *Dark thin-bedded tuffs*
- A1 — *Basalts, with minor amounts of andesites, dacites, rhyolites, and breccias*

Symbols

- Geological boundary (defined)
- Geological boundary (approximate)
- Geological boundary (assumed)
- Dip and strike of strata
- Dip and strike of overturned strata
- Dip and strike of schistosity
- Vertical schistosity
- Horizontal strata

Interprovincial boundary

G.C. Rambotti's Line 1897

This area is underlain by Keewatin volcanic rocks cut by numerous dykes of gabbro and syenite porphyry not yet mapped in detail.

C.O. Senécal, *Geographer and Chief Draughtsman.*
A. McGregor, *Draughtsman.*

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OPASATIKA AREA, TIMISKAMING COUNTY, QUEBEC.

Scale of Miles
1 ¾ ½ ¼ 0 1 2

To accompany report by H.C. Cooke, in Summary Report, Part D, 1922.

Sources of Information
Geology by H.C. Cooke, 1922.
Surveys by Department of Lands and Forests, Quebec, M.E. Wilson, 1908-1911, and H.C. Cooke, 1922.
Compilation of base-map by H. Lefebvre.