CANADA
DEPARTMENT
OF
MINES AND TECHNICAL SURVEYS

GEOLOGICAL SURVEY OF CANADA

SHEET 31 F/7

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE (*mainly*)

13 — *CHAMPLAIN BEDS: mainly marine clay, with minor sand;* **13a**, *marine sand; minor gravel and clay*

12 — *GLACIAL DRIFT (mainly): erratics, boulder clay, gravel, sand, and clay. Includes minor Recent deposits of gravel, sand, clay, marl, peat and muck*

PALEOZOIC

ORDOVICIAN

11 — *Limestone, dolomitic limestone, dolomite; minor shale, siltstone, and sandstone*

PROTEROZOIC

10 — *Gabbro, diabase*

ARCHAEAN

Pegmatite

Syenite, porphyritic syenite

7A, 7B — 7A, *granite, granodiorite (not markedly banded); minor syenitic facies;* 7B, *syenitic facies of granite and granodiorite*

6 — *Diorite, gabbro, meta-gabbro, amphibolite, anorthosite, pyroxenite*

5A, 5B — 5A, *mixed rocks (in part hybrid gneisses, migmatites);* 5B, *nepheline-albite gneiss*

4 — **BRISTOL (HASTINGS ?) SERIES** *Thinly banded sedimentary rocks: fine-grained, bluish grey limestone; green to black chloritic schists and phyllites; quartzite*

3 — **GRENVILLE SERIES** (*1-3, interbedded*) *Crystalline carbonate rocks comprising limestone, dolomite, and dolomitic limestone; minor metamorphic pyroxenite*

2 — *Paragneiss: mainly biotite-garnet gneiss; biotite-hornblende gneiss, quartz-biotite gneiss and schist, sillimanite-garnet gneiss; minor quartzite*

1 — *Hornblende schist and gneiss, hornblende-biotite schist, quartz-biotite-hornblende schist, amphibolite, dioritic and gabbroic rocks*

Bedding (inclined, vertical)
Bedding (direction of dip known, upper side of bed unknown)
Foliation or gneissosity (inclined, vertical, dip unknown)
Jointing (inclined, vertical)
Drag-folds (arrow indicates direction of plunge)
Fault
Glacial striae
Mineral occurrence • Cu

SYMBOLS FOR MINERALS, ETC.

Copper	Cu	Lead	Pb
Corundum	Cor	Limestone	Ls
Dolomite	Dol	Molybdenite	Mo
Feldspar	Fel	Nepheline	Ne
Garnet	Gar	Pyrite	Py
Gravel and sand	Gs	Radioactive minerals	Ra
Gold	Au	Sillimanite	Sil
Gold (reported)	Au?	Stone (building)	B.St
Graphite	G	Strontium	Sr
Magnetite	Mag	Tourmaline	T
Hematite	Hem	Zinc	Zn

Magnetite orebody

Geology by M.E. Wilson, 1917-19; G.B. Leech 1949; and H.A. Quinn, 1950.
Geological compilation by H.A. Quinn

(For cadastral and other symbols, see SHEET 31 F/7 N.T. Series)

Main highway
Other roads
County boundary
Township boundary
Electric power line
Marsh
Height in feet above mean sea-level 631

Base-map surveyed by the Department of National Defence, 1936

Cartography by the Geological Mapping Division, 1952

Approximate magnetic declination, 13°30' West

INDEX MAP

PUBLISHED, 1952

PRELIMINARY MAP 51-27A

RENFREW

RENFREW AND LANARK COUNTIES

ONTARIO

Scale: $\frac{1}{40,000}$

Miles

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