ONTARIO
DEPARTMENT OF MINES

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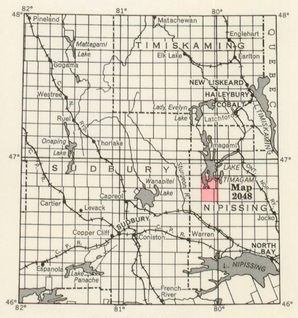
Map 2048
Vogt-Hobbs Area



Scale, 1 inch to 50 miles

N.T.S. reference 31 L/12, 31 L/13, 41 I/9, 41 I/16

LEGEND

GRENVILLE PROVINCE

CENOZOIC*

RECENT AND PLEISTOCENE
Glacial drift; gravel, sand, silt.

GREAT UNCONFORMITY

PRECAMBRIAN**

KEWEENAWAN

11a Diabase.

INTRUSIVE CONTACT
(Huronian not represented)

MIGMATITES

7a Migmatite composed mainly of biotite-quartz-plagioclase schist, 3, metadiorite (probably quartz diorite, 5a), and granitic rocks, 6.
7b Metadiorite-granite complex.
7c Amphibolitic migmatite.

INTRUSIVE AND METAMORPHIC CONTACT

ACID INTRUSIVE ROCKS

6 Granite, quartz monzonite, granodiorite, augen granite gneiss.

INTRUSIVE CONTACT

AMPHIBOLITES

4a Amphibolite, massive amphibolite (possibly equivalent to Pre-Algoman gabbro, 5b); banded amphibolite (possibly equivalent to Keewatin metavolcanic rocks, 2).
4b Fine-grained amphibolite dikes (age uncertain).

METASEDIMENTARY ROCKS

3 Biotite-quartz-plagioclase schist (probably equivalent to Keewatin metagreywacke, 1, with granitic permeations).

SUPERIOR PROVINCE

CENOZOIC*

RECENT AND PLEISTOCENE
Glacial drift; gravel, sand, silt.

GREAT UNCONFORMITY

PRECAMBRIAN**

PROTEROZOIC

KEWEENAWAN

11a Diabase.
11b Quartz diorite.

INTRUSIVE CONTACT

HURONIAN SYSTEM

COBALT GROUP
GOWGANDA FORMATION

10 Argillite, quartzite.

9a Greywacke with pebbles.
9b Bedded conglomeratic greywacke.

UNCONFORMITY

BRUCE GROUP
MISSISSAGI? FORMATION

8 Quartz-pebble conglomerate, quartzite.

UNCONFORMITY

ARCHEAN

ALGOMAN?

6 Granite, quartz monzonite, grano-diorite.

INTRUSIVE CONTACT

PRE-ALGOMAN?

5a Quartz diorite.
5b Gabbro.

INTRUSIVE CONTACT

KEEWATIN? GROUP
METAVOLCANIC ROCKS

2a Interbedded tuff and tuffaceous greywacke.
2b Intermediate metavolcanic rocks, pillow lavas, tuff, tremolite schist.
2c Acid metavolcanic rocks, agglomerate, tuff.

IF Iron formation.

METASEDIMENTARY ROCKS

1 Metagreywacke, minor limestone.

qv Quartz veins.

Breccia.

Grenville Front.

Unconsolidated deposits. Cenozoic deposits are not differentiated on the map. For the most part they coincide with the lighter coloured and uncoloured parts of the map.

Bedrock geology. Outcrops and inferred extensions of each rock unit are shown, respectively, in deep and light tones of the same colour.

SYMBOLS

Small rock outcrop.
Boundary of rock outcrop.
Geological boundary, defined.
Geological boundary, approximate.
Geological boundary, assumed.
Strike and dip; direction of top unknown.
Strike and vertical dip; direction of top unknown.
Strike and dip; top in direction of arrow.
Strike and dip of overturned bedding; beds face in direction of arrow and dip in direction of loop.
Direction (arrow) in which inclined beds face as indicated by gradation in grain size.
Direction (arrow) in which vertical beds face as indicated by gradation in grain size.
Direction (arrow) in which inclined beds face as indicated by cross bedding.
Synclinal axis.
Anticlinal axis.
Direction of plunge of fold axis, crest line or trough line.
Strike and dip of schistosity.
Strike of vertical schistosity.
Strike and dip of gneissosity.
Strike of vertical gneissosity.
Lineation (plunge known, plunge unknown).
Drag-folds. (Arrow indicates direction of plunge.)
Fault, assumed.
Muskeg or swamp, with boundary.
River, creek, stream.
Trail, portage, winter road.
Building.
Township boundary, approximate location only.
Approximate position of mining property with boundary where shown. See List of Properties.
Cu *Mineral occurrence. Refer to mineral occurrences reference.*

MINERAL OCCURRENCES REFERENCE

Cu *Copper*
Pb *Lead*
U *Uranium*

LIST OF PROPERTIES

1. *Krefeld Graphite Gold Mines Limited.*
2. *Malartic Gold Fields Limited.*
3. *Prosco Limited (Aubay Uranium Mines Limited).*

SOURCES OF INFORMATION

Geology by J. A. Grant and assistants, 1959, 1960. Geology not tied to surveyed lines.

Cartography by R. G. Curtis and J. Belbin, Ontario Department of Mines, 1963.

Base map compiled from Ontario Forest Resources Inventory maps, with additional information by J. A. Grant.

Magnetic declination approximately 9° West, 1963.

Published 1964

Map 2048
VOGT-HOBBS AREA
NIPISSING DISTRICT

Scale 1:31,680 or 1 Inch to ½ Mile

Chains 80 60 40 20 0 1 2 Miles
Metres 1000 0 1 2 3 Kilometres
Feet 1000 0 5,000 10,000 Feet