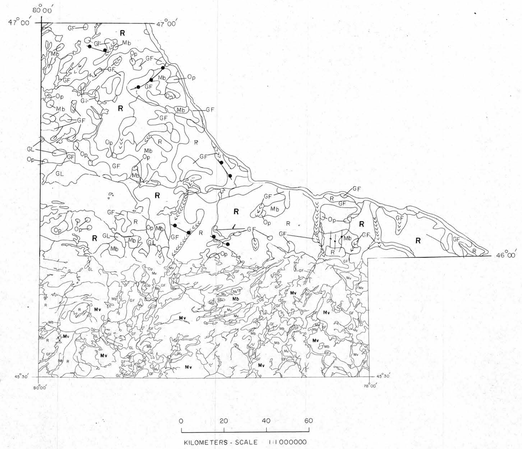
Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

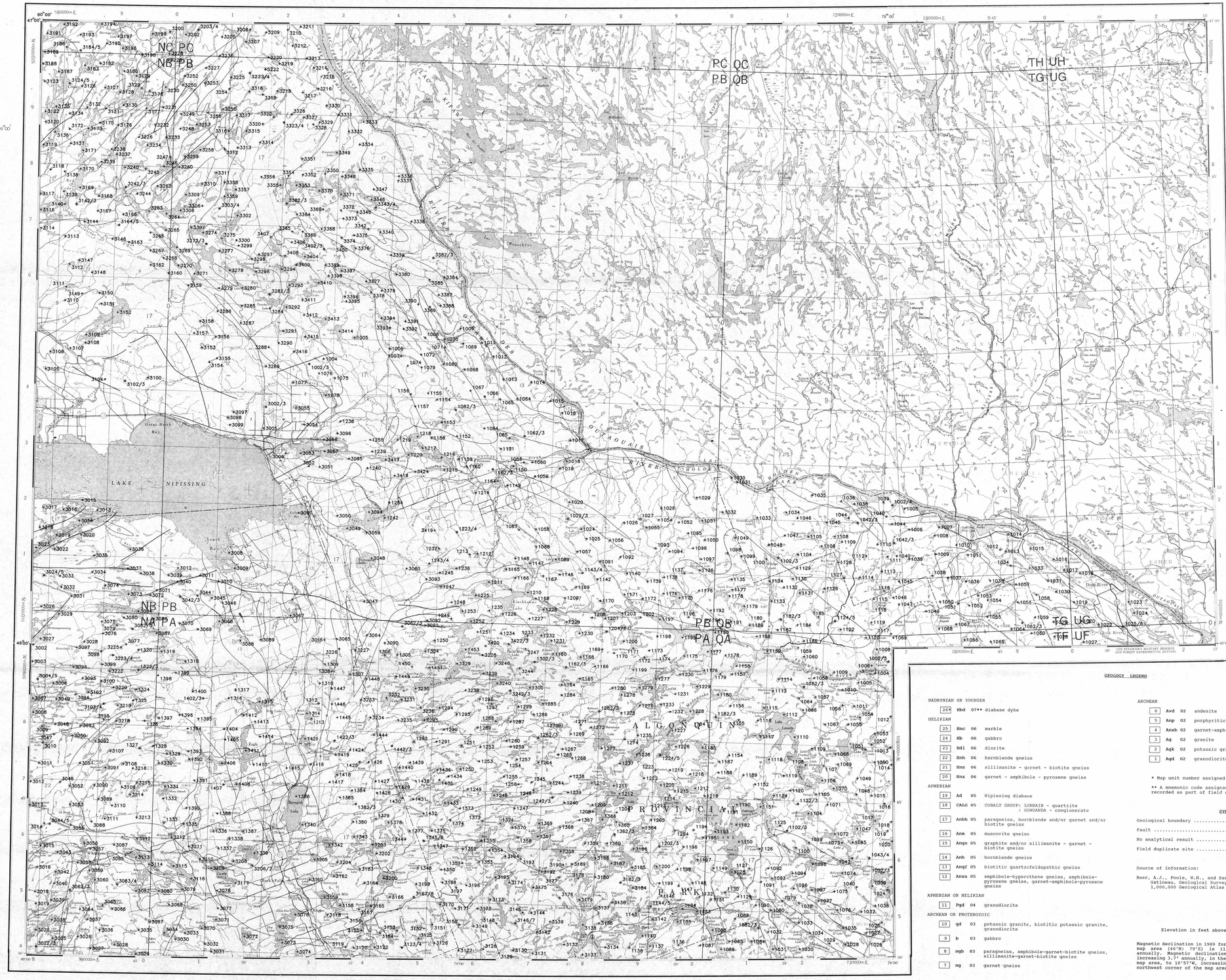
GEOLOGICAL SURVEY OF CANADA / COMMISSION GÉOLOGIQUE DU CANADA

SAMPLE LOCATION LAKE SEDIMENTS

GSC OPEN FILE 1956
CENTRAL ONTARIO, 1988

NTS 31E (N½), PART OF 31K, 31L





SURFICIAL GEOLOGY

Op	Organics, peatland deposits
GL	Glaciolacustrine and glaciomarine deepwater deposits, clay, silt
GF	Glaciofluvial deposits, includes shallow water, glaciolacustrine and glaciomarine deposits of predominantly sand and gravel
Mb	Till, unsorted mixture of boulders, sand, silt, and clay sufficiently thick to mask bedrock topography
Mv	Shallow drift, thin glacial sediments, mostly overlying bedrock
R	Bedrock, predominantly bare rock with thin glacial sediment cover

SYMBOLS

Major moraines (includes end, recessional and interlobate types) .....

Crag and tail forms .....

Esker .....

Relict, beach and bar forms .....

Sources of information:

Chapman, L.J., Putnam, D.F., (compilers) 1984, Physiography of southern Ontario; Ontario Geological Survey, Ministry of Mines and Northern Development, Map P. 2715, Scale 1:600,000.

Sado, E.V., Carswell, B.F.,(compilers) 1987, Surficial geology of northern Ontario: Ontario Geological Survey, Minstry of Mines and Northern Development, Map 2518, Scale 1:1,200,000

[1] This legend is common for GSC Open Files 1956,1957, and 1958

GEOLOGICAL SURVEY OF CANADA
MINERAL RESOURCES DIVISION
EXPLORATION GEOCHEMISTRY SUBDIVISION

CONTRACTORS

Collection:	SIAL Geophysique Inc., Montreal
Preparation:	Golder Associates, Ottawa
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Geological Survey of Canada
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Tel.: (613) 995 – 4342

Contribution to Canada – Ontario Mineral Development Agreement 1985 – 1990, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

GEOLOGY LEGEND

HADRYNIAN OR YOUNGER

26*	Hbd	07**	diabase dyke

HELIKIAN

25	Hmc	06	marble
24	Hb	06	gabbro
23	Hdi	06	diorite
22	Hnh	06	hornblende gneiss
21	Hns	06	sillimanite - garnet - biotite gneiss
20	Hnx	06	garnet - amphibole - pyroxene gneiss

APHEBIAN

19	Ad	05	Nipissing diabase
18	CALG	05	COBALT GROUP: LORRAIN - quartzite : GOWGANDA - conglomerate
17	Anbh	05	paragneiss, hornblende and/or garnet and/or biotite gneiss
16	Anm	05	muscovite gneiss
15	Angs	05	graphite and/or sillimanite - garnet - biotite gneiss
14	Anh	05	hornblende gneiss
13	Angf	05	biotitic quartzofeldspathic gneiss
12	Anxa	05	amphibole-hypersthene gneiss, amphibole-pyroxene gneiss, garnet-amphibole-pyroxene gneiss

APHEBIAN OR HELIKIAN

11	Pgd	04	granodiorite

ARCHEAN OR PROTEROZOIC

10	gd	03	potassic granite, biotitic potassic granite, granodiorite
9	b	03	gabbro
8	ngb	03	paragneiss, amphibole-garnet-biotite gneiss, sillimanite-garnet-biotite gneiss
7	ng	03	garnet gneiss

ARCHEAN

6	Avd	02	andesite
5	Anp	02	porphyritic biotite gneiss
4	Anxb	02	garnet-amphibole-pyroxene gneiss
3	Ag	02	granite
2	Agk	02	potassic granite
1	Agd	02	granodiorite

* Map unit number assigned to rock type

** A mnemonic code assigned to rock type and age recorded as part of field observations

SYMBOLS

Geological boundary .....

Fault .....

No analytical result .....

Field duplicate site .....

Source of information:

Baer, A.J., Poole, W.H., and Sanford, B.V. (1977) Riviere Gatineau, Geological Survey of Canada Map 1334A, 1:1,000,000 Geological Atlas

Elevation in feet above mean sea level

Magnetic declination in 1989 for the central part of the map area (46°N: 79°E) is 11°20'W, increasing 3.9' annually. Magnetic declination ranges from 12°00'W, increasing 3.7' annually, in the southeast corner of the map area, to 10°57'W, increasing 4.6' annually, in the northwest corner of the map area.

INDEX MAP

CANADA ONTARIO Mineral Development Agreement / Entente de développement minéral

Contribution to Canada-Ontario 1985 Mineral Development Subsidiary Agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

Contribution à l'Entente auxiliaire Canada/Ontario sur l'exploitation minérale 1985 dans le cadre de l'Entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada.

Canada

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SAMPLE LOCATION LAKE SEDIMENTS

GSC OPEN FILE 1956
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 119-88

CANADA – ONTARIO
MINERAL DEVELOPMENT AGREEMENT (1985 – 1990)

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
CENTRAL ONTARIO, 1988

Scale 1:250 000 - Échelle 1/250 000

Kilometres 5 0 5 10 15 20 Kilomètres

Universal Transverse Mercator Projection
Projection transverse universelle de Mercator

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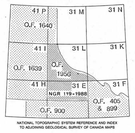

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ACCOMPANYING GEOLOGICAL SURVEY OF CANADA MAPS

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