

- 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, Ministry of Mines and Northern Development, Map 2518, Scale 1:1,200,000

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

**GEOLOGICAL SURVEY OF CANADA
MINERAL RESOURCES DIVISION
EXPLORATION GEOCHEMISTRY SUBDIVISION**

CONTRACTORS

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Water Analysis: Chemex Labs Limited, Vancouver

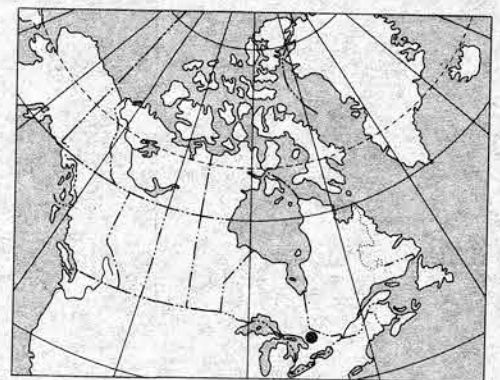
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CONCENTRATION	FREQUENCY
5 to 47	N = 23(1.9%)
4	N = 20(1.6%)
3	N = 61(5.0%)
2	N = 212(17.4%)
0 to 1	N = 903(74.1%)



**GOLD (ppb)
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 - Echelle 1/250 000

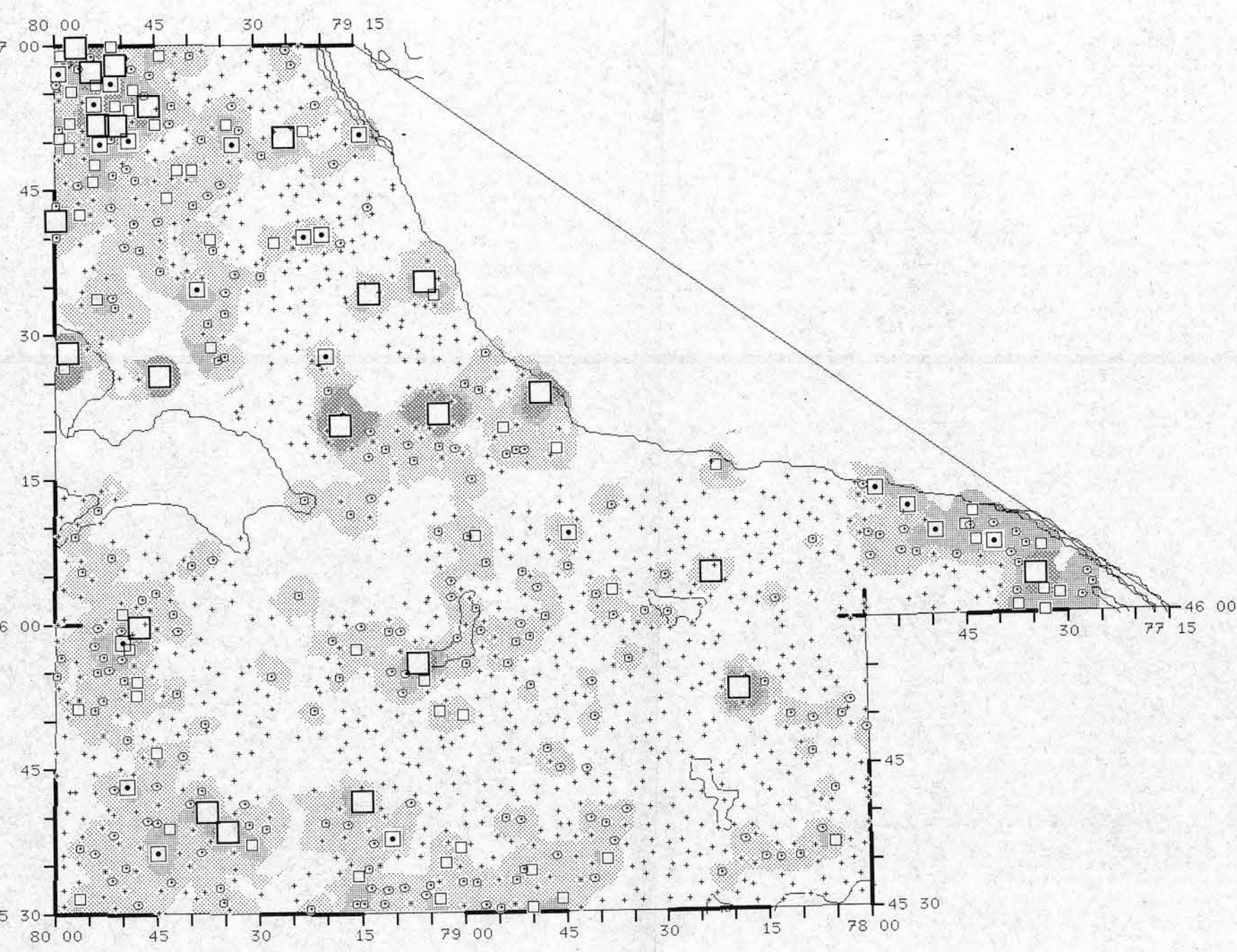
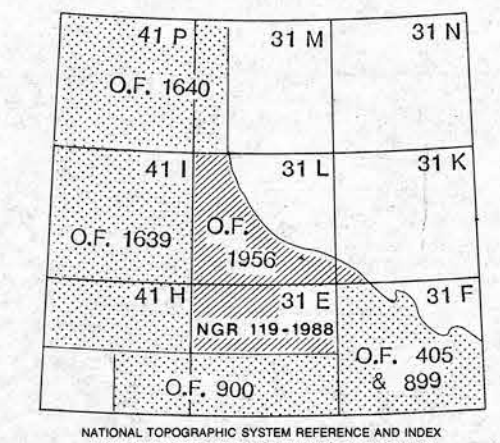
Universal Transverse Mercator Projection
GSC Open File 1956
Projection Transverse Universelle de Mercator
GSC Open File 1956

GEOLOGY LEGEND	
HADRYAN OR YOUNGER	ARCHAIC
[26] Hnd 07** diabase dyke	[4] Amd 02 andesite
HELIXIAN	[5] Anp 02 porphyritic biotite gneiss
[25] Hnc 06 marble	[4] Anhb 02 garnet-epidote-pyroxene gneiss
[24] Hns 06 gabbro	[3] Ag 02 granite
[23] Hdi 06 diorite	[2] Agk 02 gossanic granite
[22] Hnh 05 hornblende gneiss	[1] Agd 02 granodiorite
[21] Hms 06 sillimanite - garnet - biotite gneiss	
[20] Hmx 06 garnet - amphibole - pyroxene gneiss	
AMERICAN	
[19] Ad 05 Nipissing diabase	
[18] Calz 05 COBALT GROUP: LOBRAN - quartzite : GORGAN - conglomerate	
[17] Anhb 05 paragneiss, hornblende and/or garnet and/or biotite gneiss	
[16] Am 05 muscovite gneiss	
[15] Angs 05 graphite and/or sillimanite - garnet - biotite gneiss	
[14] Anb 05 hornblende gneiss	
[13] Amgf 05 biotitic quartzofeldspathic gneiss	
[12] Anxa 05 amphibole-hypersthene gneiss, amphibole- pyroxene gneiss, garnet-amphibole-pyroxene gneiss	
ATHEBIAN OR HELIXIAN	
[11] Pgd 04 granodiorite	
ARCHAIC OR PROTEROZOIC	
[10] qf 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	

Source of information:
Baer, A.J., Poole, W.H., and Sanford, B.V. (1977) Riviere
Quintess, Geological Survey of Canada Map 1116A, 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 (44°N, 79°W) is 11°20'W, increasing 3.3'
annually. Magnetic declination ranges from 12°00'W,
increasing 3.3' annually, in the southeast corner of the
map area, to 10°57'W, increasing 4.0' annually, in the
northwest corner of the map area.



REGIONAL TREND MAP

0 20 40 60
KILOMETERS - SCALE 1:1 000 000

**GOLD
LAKE SEDIMENTS**

PFB NTILE
47.0 MAX
4.0 88
3.0 95
2.0 90
1.0 70
1.0 60
0.5 MIN
1219 SAMPLES

PFB NTILE
47.0 MAX
3.0 95
2.0 90
1.0 70
1.0 60
0.5 MIN
1219 SAMPLES

GSC OPEN FILE 1956
CANADA - ONTARIO
MINERAL DEVELOPMENT
AGREEMENT
(1985 - 1990)



Contribution to Canada-Ontario 1985 Mineral Development
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Contribution à l'Entente auxiliaire Canada/Ontario sur
l'exploitation minière 1985 dans le cadre de l'Entente
de développement économique et régional. Ce projet a été
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