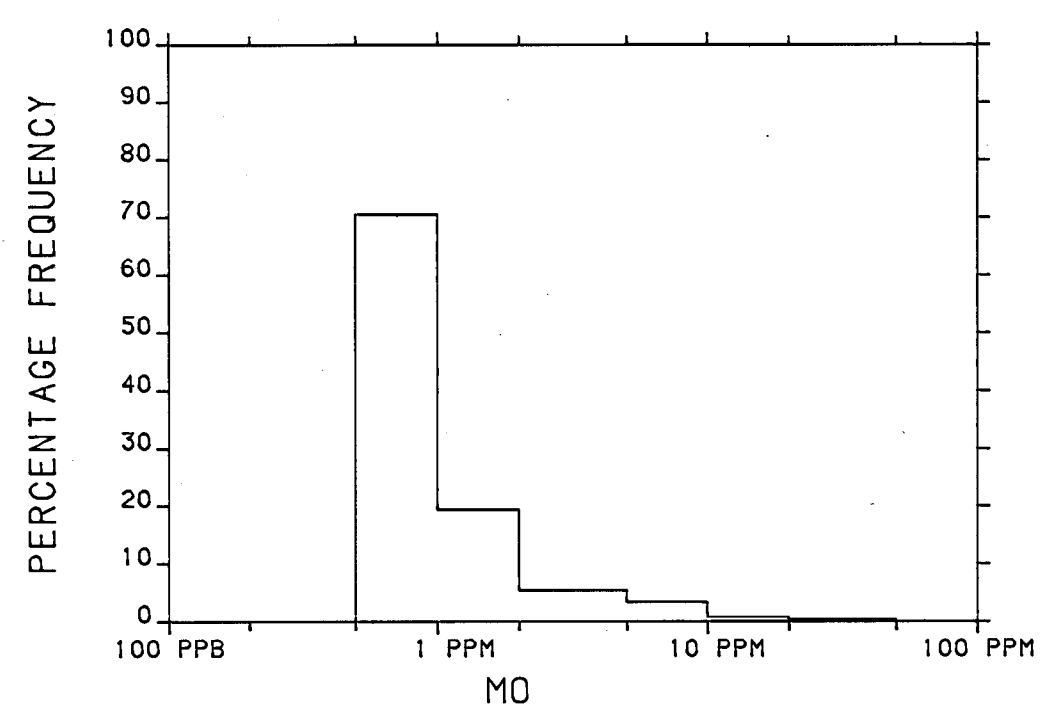
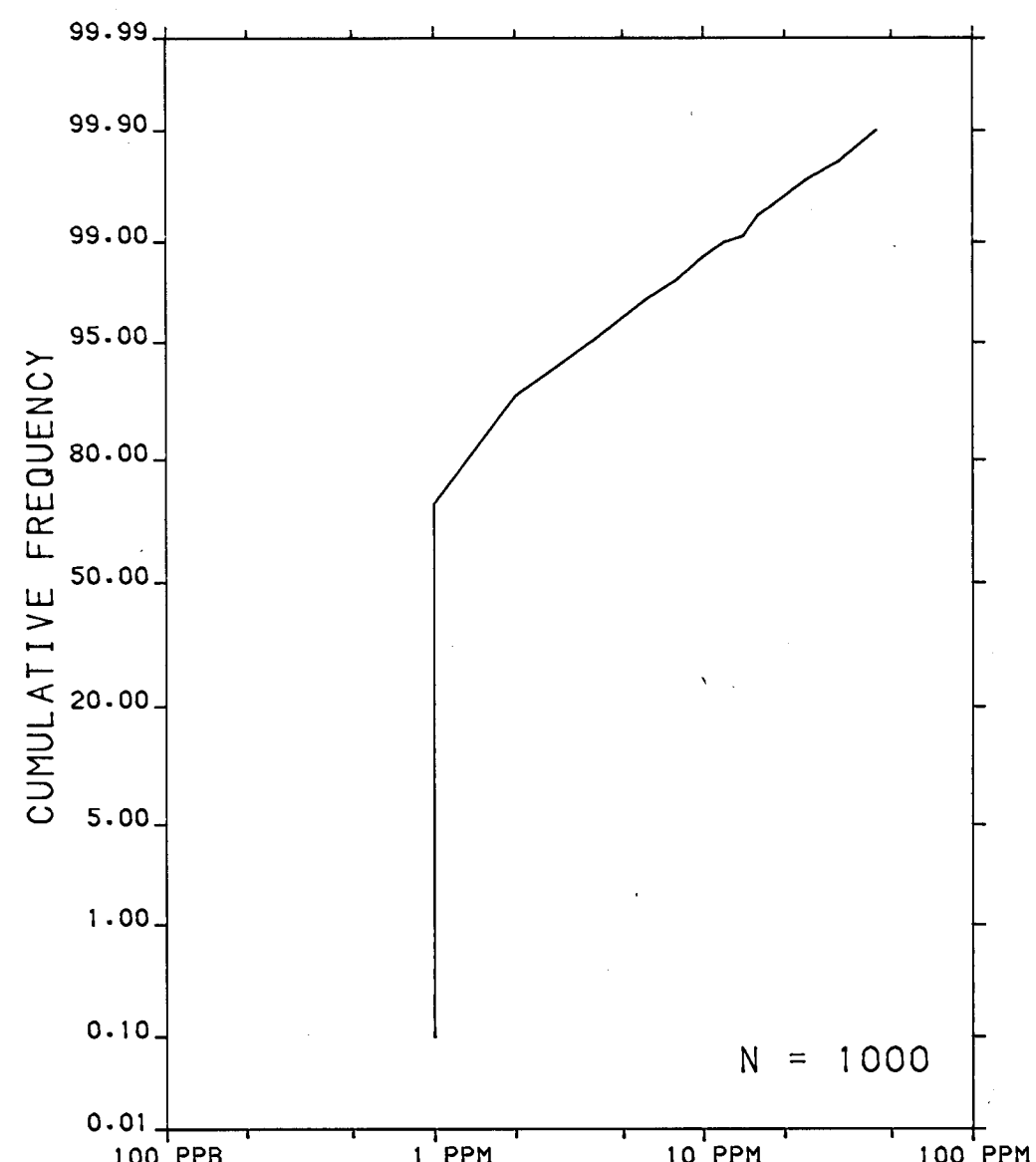
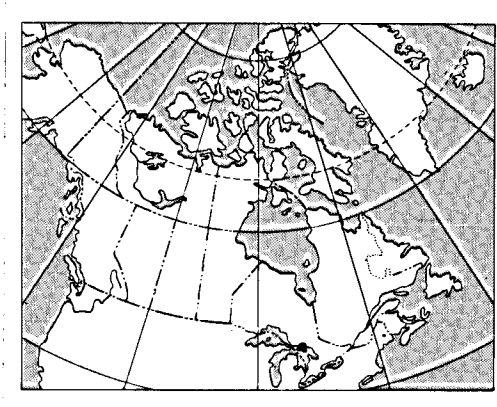
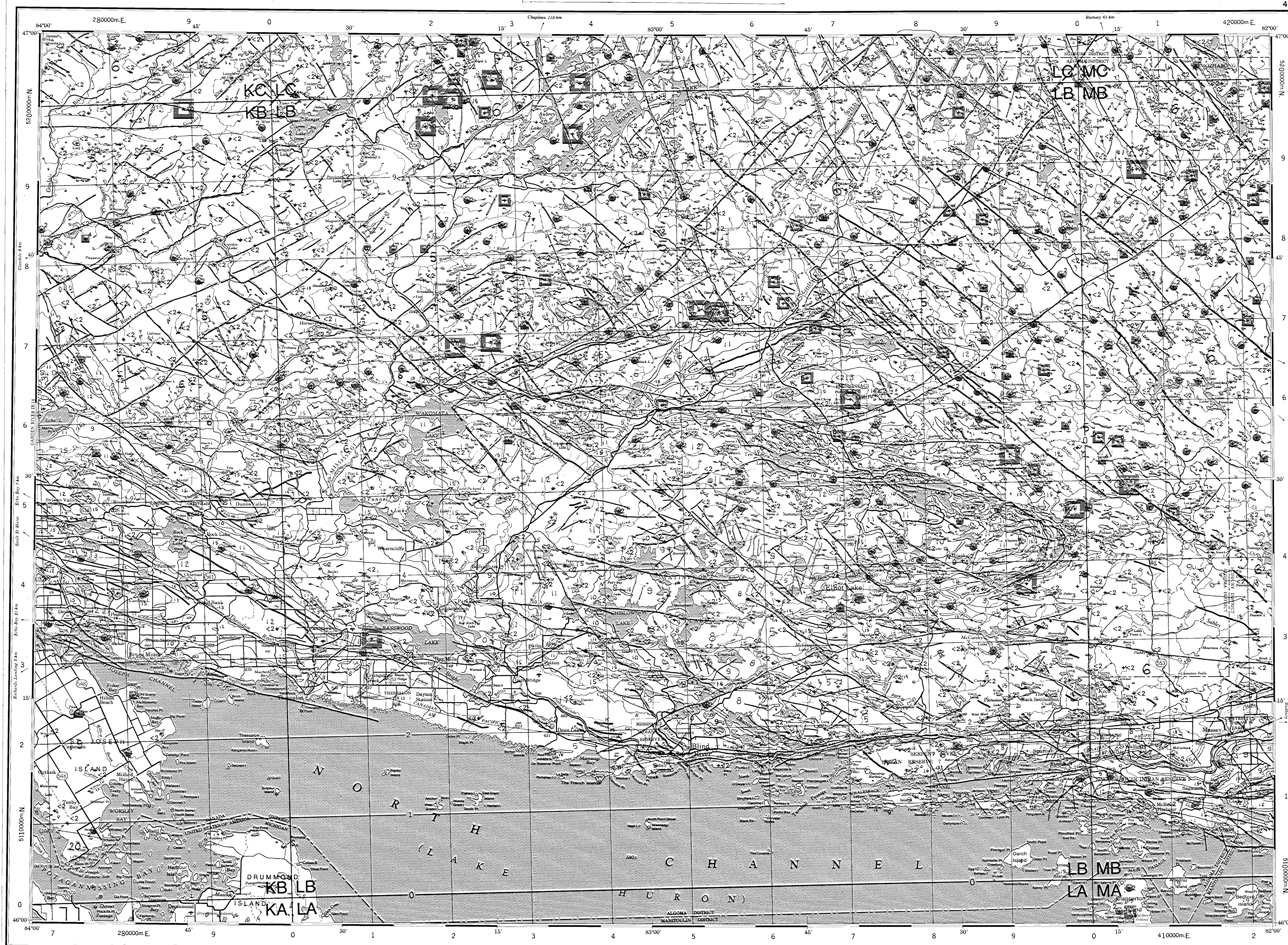


The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function ($1/d^2$) to filter out minor irregularities and emphasize broad-scale regional features. Single point anomalies may be suppressed or eliminated, however, geological units which are chemically enriched, or large metallic deposits undergoing weathering would be expected to produce identifiable anomalies.



CONCENTRATION	FREQUENCY
9 to 44	N = 18 (1.8%)
5 to 8	N = 28 (2.8%)
3 to 4	N = 54 (5.4%)
2	N = 194 (19.4%)
<2	N = 706 (70.6%)



Copies of map material and listings of field observations, analytical data and methods, from which the open file was prepared, are available from:

K.G. Campbell Corporation
880 Wellington St.
Bay 236
Ottawa, Ontario
K1R 6K7

Digital data are available on IBM-PC compatible diskette from:

Geological Survey of Canada
Publications Distribution
601 Booth St.
Ottawa, Ontario K1A 0E8
Tel: (613)995-4342

GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA
MINISTRY OF ENERGY, MINES AND TECHNOLOGY
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

MOLYBDENUM (ppm)
LAKE SEDIMENTS
GSC OPEN FILE 1356

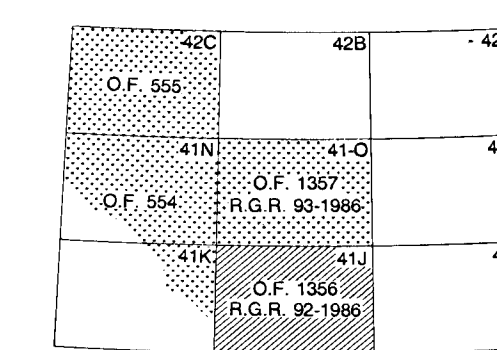
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 92-1366
CANADA - ONTARIO
MINERAL DEVELOPMENT AGREEMENT (1986-1990)
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
CENTRAL ONTARIO, 1986

Scale 1:250 000 - Échelle 1/250 000
Universal Transverse Mercator Projection
Projection transverse universelle de Mercator
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Elevation in feet above mean sea level

Mean magnetic declination 1987, 7°48' West, increasing 10.6' annually. Readings vary from 8°33'W in the SE corner to 7°00'W in the NW corner of the map area.

Base map at the same scale published by the Surveys and Mapping Branch in 1979



MOLYBDENUM (ppm)
LAKE SEDIMENTS
GSC OPEN FILE 1356
CENTRAL ONTARIO, 1986

- LEGEND**
- PALEOZOIC**
- SILURIAN**
- 20 SCP* Limestone, shale
- UPPER CAMBRIAN AND ORDOVICIAN**
- 19 OCCS Limestone, shale, sandstone, includes Munising Formation; sandstone
- PRECAMBRIAN AND ARCHEAN**
- 18 LPAD Diabase, gabbro, diorite
- PRECAMBRIAN**
- LATE PRECAMBRIAN**
- 17 LPAC Fenite, ijolite, pyroxenite, carbonatite
- MIDDLE TO LATE PRECAMBRIAN**
- 16 MPCC Croker Island Complex; granite, syenite, diorite, gabbro
Outier Pluton; granite, quartz monzonite, granodiorite, trondhjemite, pegmatite
- MIDDLE PRECAMBRIAN**
- 15 MPND Nipissing Diabase; diabase, gabbro, metagabbro, granophyre
- HURONIAN SUPERGROUP**
- COBALT GROUP**
- 14 MPBR Bar River Formation; quartzite
- 13 MPGL Gordon Lake Formation; siltstone, argillite, quartzite
- 12 MPL Lorrain Formation; quartzite, arkose, conglomerate
- 11 MPG Gowganda Formation; conglomerate, argillite, greywacke, quartzite, siltstone
- QUIRKE LAKE GROUP**
- 10 MPQL Serpent Formation; quartzite, conglomerate
Espoula Formation; limestone, dolomite, calcareous siltstone
Bruce Formation; conglomerate
- HOUGH LAKE GROUP**
- 9 MPHLL Aweres Formation; conglomerate, arkose, quartzite
Mississagi Formation; quartzite, conglomerate
Pecora Formation; argillite, siltstone
Ramsay Lake Formation; conglomerate
- ELLIOT LAKE GROUP**
- 8 MPLEL McKim Formation; siltstone, argillite, quartzite
Matinenda Formation; quartzite, arkose, conglomerate, uraniumiferous conglomerate
- 7 MPVBL Basalt, andesite, amphibolite, gabbro, anorthosite, ultramafic rocks and minor rhyolite
- ARCHEAN**
- 6 AGM Massive felsic to intermediate plutonic rocks; granite, granodiorite, tonalite, quartz monzonite, monzodiorite, pegmatite
- 5 AGN Foliated to gneissic felsic to intermediate plutonic rocks; granite, granodiorite, tonalite, quartz monzonite, diorite, migmatite
- 4 AUB Gabbro, diorite
- 3 ACSP Conglomerate, greywacke, arkose, quartzite, siltstone, argillite, chert
- 2 AMVF Felsic to intermediate metavolcanics
- 1 AMWB Mafic to intermediate metavolcanics; includes flows, minor mafic pyroclastics and interflow sediments.
- IF Iron formation
- *A mnemonic code assigned to rock types and recorded as part of field observations.
- Geological boundary:
- Fault:
- No analytical results:

The geology base and legend for these geochemical maps were derived from: Geology - Sault Ste. Marie - Elliot Lake, Map 2419 Geological Compilation Series, Ontario Department of Mines, 1:250 000.
McCrack, G.F.D., Misiura, J.D., and Brown, P.A. (1979): Geology - Plutonic Rocks in Ontario, Geological Survey of Canada Map 1533A, to accompany GSC Paper 80-23.

MOLYBDENUM (ppm)
LAKE SEDIMENTS
GSC OPEN FILE 1356
CENTRAL ONTARIO, 1986
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