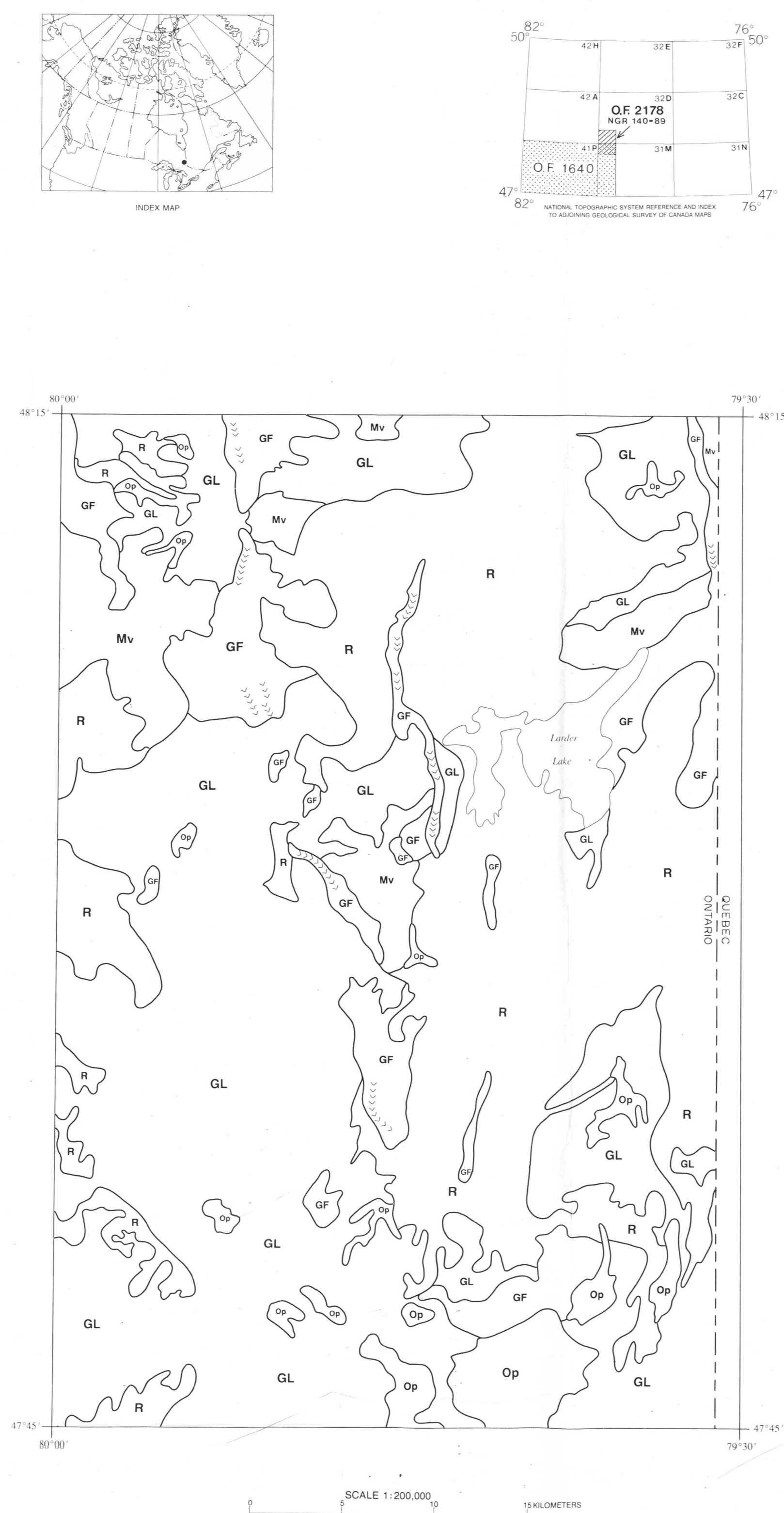
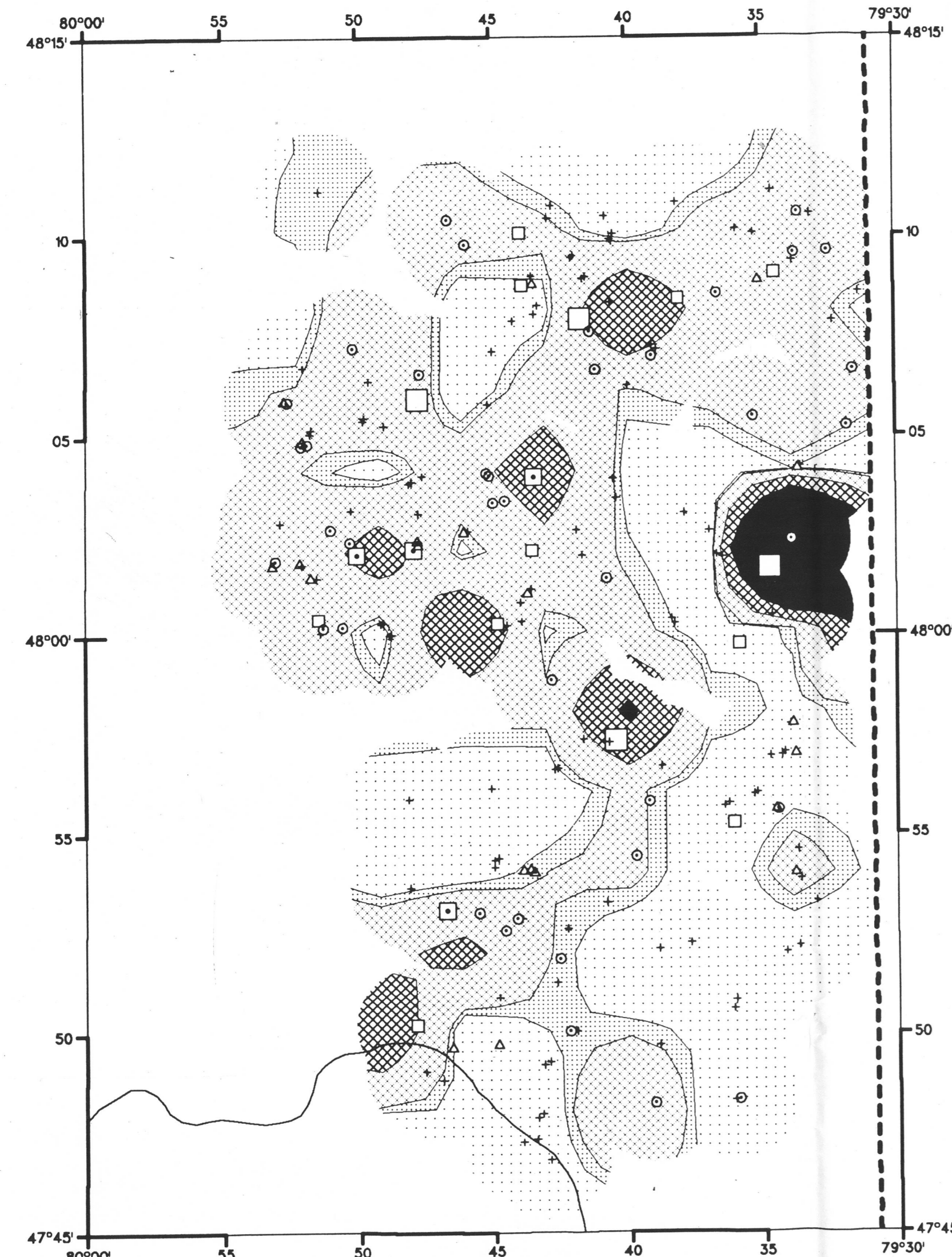


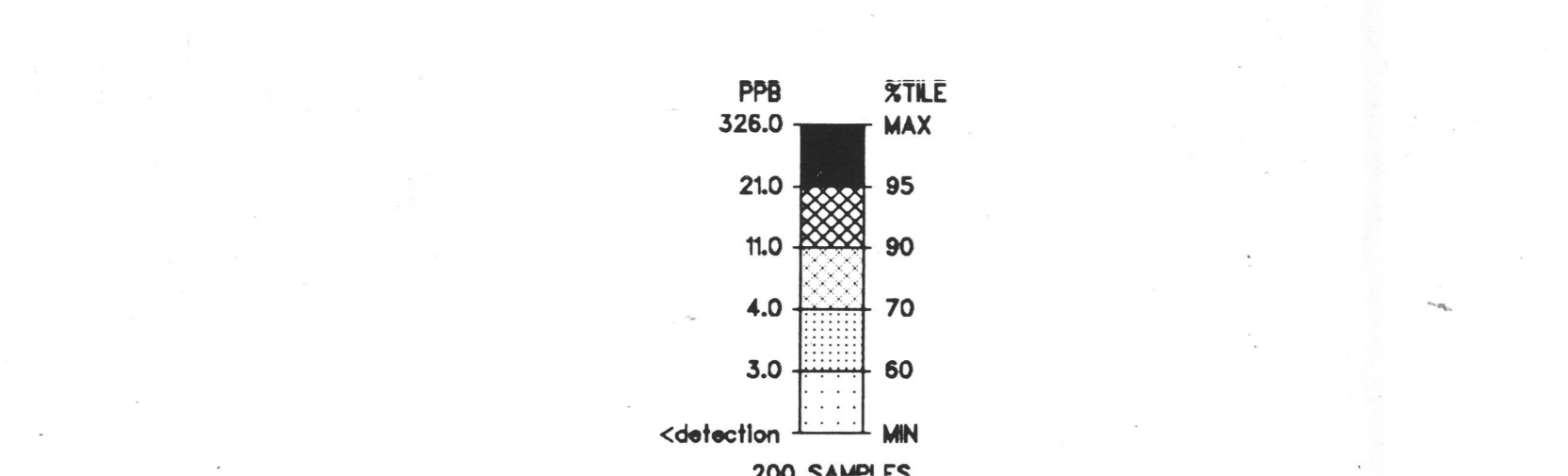
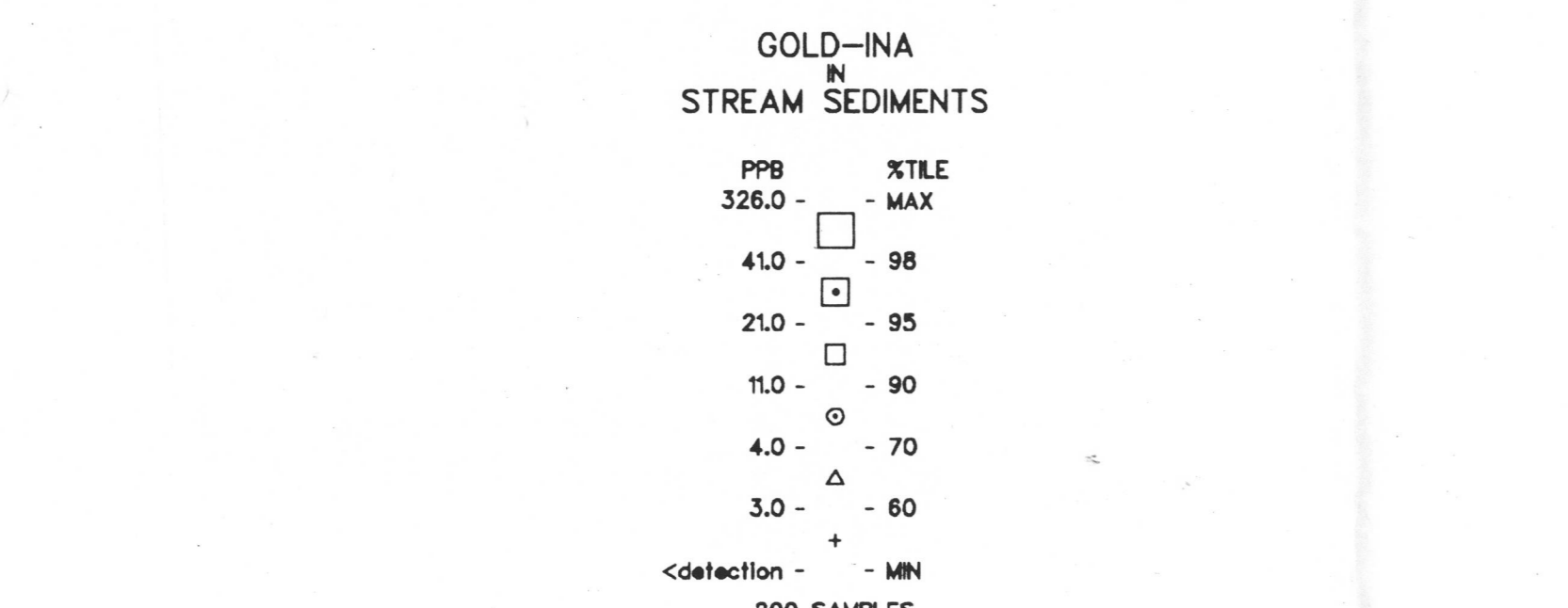
**GOLD (ppb)
STREAM SEDIMENTS**
GSC OPEN FILE 2178
NATIONAL GEOCHEMICAL RECONNAISSANCE MAP 140-83
CANADA - ONTARIO
MINERAL DEVELOPMENT AGREEMENT
(1985-1990)

STREAM SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTHEAST ONTARIO, 1989

REGIONAL TREND MAP

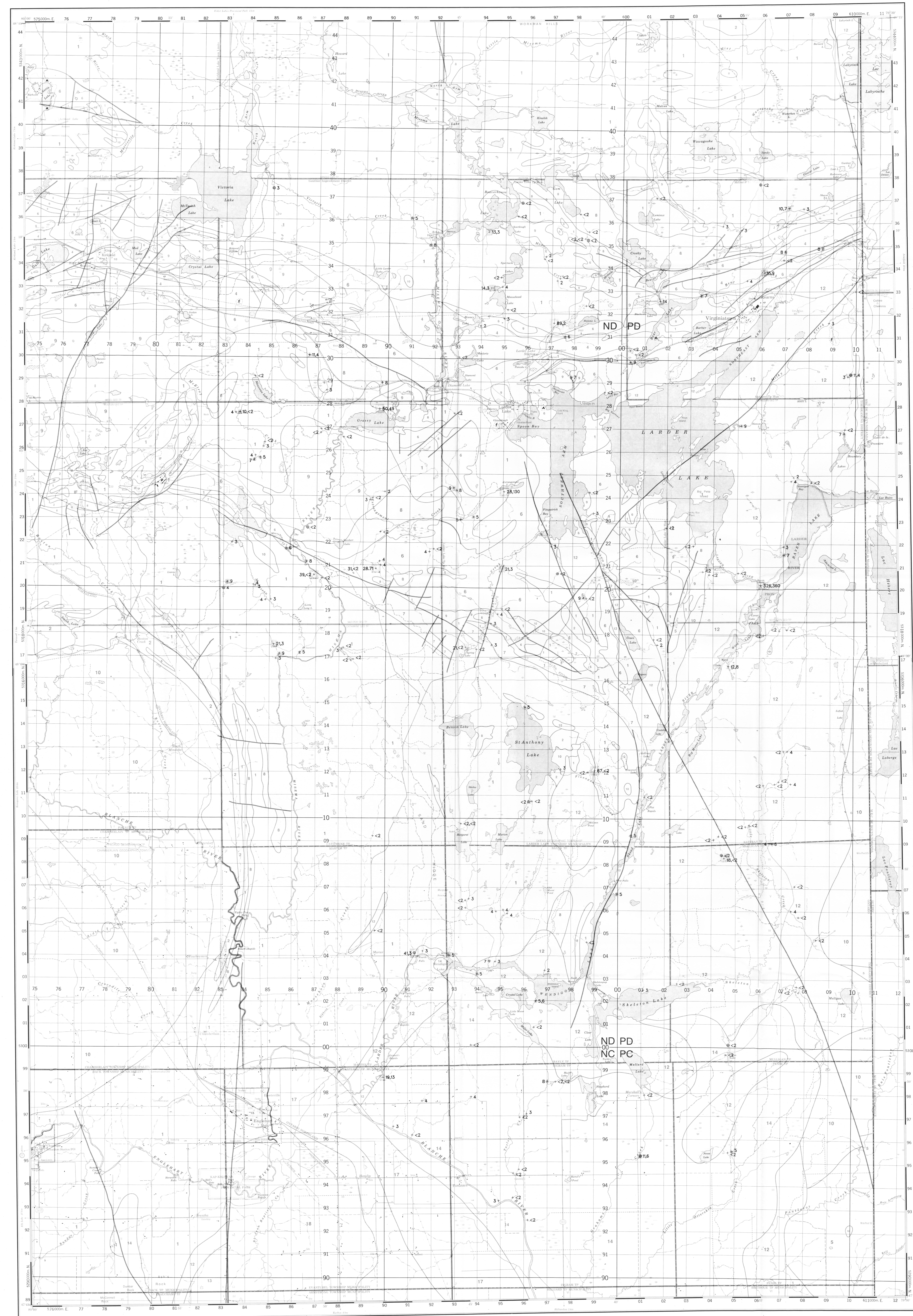


SCALE 1:200,000



CONTRIBUTION TO THE 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.

CONTRIBUTION À L'ENTENTE AUXILIAIRE CANADA-ONTARIO SUR L'EXPLOITATION MINÉRIÈRE 1985-1990 DANS LE CADRE DE L'ENTENTE DE DÉVELOPPEMENT ÉCONOMIQUE ET RÉGIONAL. CE PROJET A ÉTÉ FINANCÉ PAR LA COMMISSION GÉOLOGIQUE DU CANADA.



- GEOLOGY LEGEND**
- PALEOZOIC**
- LOWER AND MIDDLE SILURIAN**
- 18 STW 20" Thornhill Formation: limestone, dolomite, sandstone
 - 19 GBL Formation: limestone, shale
- MIDDLE AND UPPER OROGEOVICIAN**
- 17 ODFB 15 Dawson Point Formation: shale
 - 18 Farr Formation: limestone
 - 19 Buckle Formation: limestone, shale
 - 20 Guisguis Formation: sandstone
- PRECAMBRIAN**
- MIDDLE PRECAMBRIAN (PROTEROZOIC)**
- Mafic Intrusive Rocks**
- 11 PKI 04 Diabase, granophyre
- Microlite Supergroup**
- 13 PKCL 04 Lorrain Formation: quartzite, arkose
 - 12 PKOC 04 Gowanda Formation: Coleman Member - conglomerate, arkose, greywacke, quartzite, argillite
- EARLY PRECAMBRIAN (ARCHEAN)**
- Felsic Intrusive Rocks**
- 10 APFO 02 quartz porphyry, quartz - feldspar porphyry, feldspar porphyry, granophyre, diorite, tonalite, gabbro, quartz monzonite
 - 9 APFS 02 Syenite, monzonite, feldspar porphyry
- Metamorphosed Mafic and Ultramafic Rocks**
- 8 AMO 02 Gabbro, diorite, lanprophyre
 - 7 AMO 02 Peridotite, dunite, pyroxenite, serpentinite
- Metasediments**
- 6 AMC 02 Conglomerate, greywacke, siltstone, slate, argillite
 - 5 MSH 02 Greywacke, siltstone, slate, argillite, and minor pebbles conglomerate
- Metavolcanics**
- 4 AMV 02 Alkaline Metavolcanics: trachyte, basalt, trachyte, flows, tuff, breccia
 - 3 APX 02 Felsic Metavolcanics: pyroclastic rocks, flows
 - 2 AIMV 02 Intermediate and Mafic Volcanics: intermediate flows; intermediate pyroclastic rocks; mafic flows and pyroclastic rocks
 - 17 AIF 02 Iron Formations and ferruginous chert (locally on bedrock of stratigraphic units 1, 2, 4 and 5)
- * Map unit number assigned to rock type; numbers taken from O.G.S. Map 2205.
** A mnemonic code assigned to rock type and age.

- SYMBOLS**
- Geological boundary
- Fault
- No data
- Single analysis
- Repeat analysis
- Single analysis, less than detection limit
- Field duplicate site

Scale 1:50,000 - Enchère 1:50,000

Elevation in feet above mean sea level
Magnetic declination in 1980 for the central part of the map area (48°N, 79°43'W) is 11°55'W increasing 2.3" annually. Magnetic declination ranges from 11°20'W increasing 2.6" annually in the southwest corner of the map area, to 12°19'W increasing 2.0" annually, in the northeast corner of the map area.

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