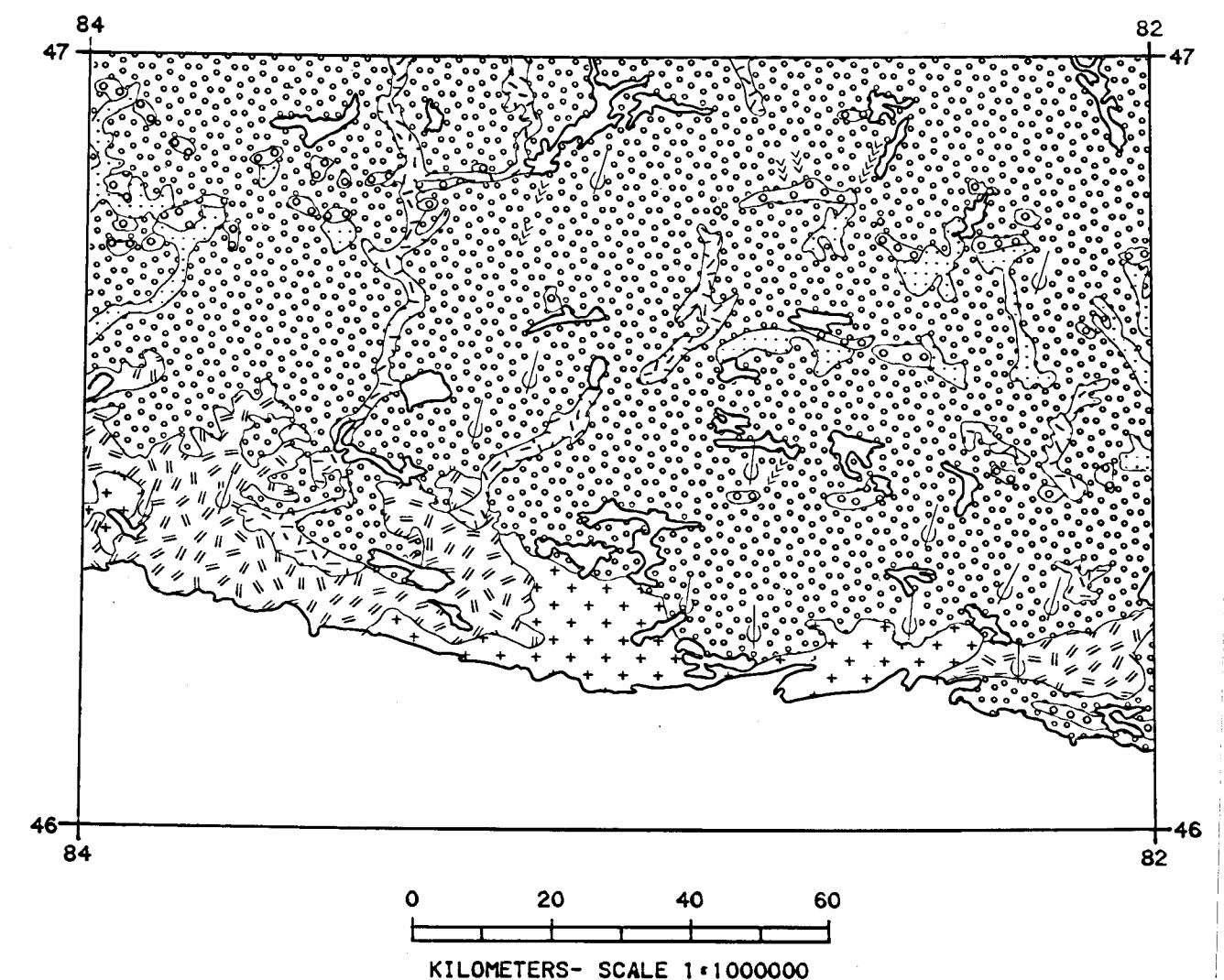


LEGEND

PALEOZOIC	
SILURIAN	
20	SCP*
19	OCCS
PRECAMBRIAN AND ARCHEAN	
18	LPAD
PRECAMBRIAN	
17	LPAC
MIDDLE TO LATE PRECAMBRIAN	
16	MPCC
15	MPND
MIDDLE PRECAMBRIAN	
14	MPBR
13	MPGL
12	MPL
11	MPC
QUIKE LAKE GROUP	
10	MPQL
HOUGH LAKE GROUP	
9	MPHL
ELLIOT LAKE GROUP	
8	MPEL
7	MPVB
ARCHEAN	
6	AGM
5	AGN
4	AUB
3	ACSP
2	AMVF
1	AMWB
IF	
*A mnemonic code assigned to rock types and recorded as part of field observations.	
Geological boundary;	
Fault . . . . .	
No analytical results . . . . .	



SURFICIAL GEOLOGY

PROGLACIAL AND GLACIAL ENVIRONMENTS

Glaciolacustrine Deposits:

Varved or massive clay and silt  
Fine Sands, sands, and deltaic sand

Glaciofluvial and Ice Contact Deposits:

Outwash sands and gravel  
End moraine, interlobate moraine; sand, gravel and boulders  
Esker or kame complex; sand, gravel, boulders

Glacial Deposits:

Predominantly clay till  
Predominantly silty to sandy till

NONGLACIAL ENVIRONMENT

Bedrock

Complexes: when two or more types of glacial or nonglacial environment are interspersed in a mosaic or repeating pattern, the relative dominant/subordinate amount of each type is indicated by sequential order. For example, 2/1 indicates predominantly silty to sandy till with lesser clayey till.

SYMBOLS

Surficial geological boundary . . . . .

Striae . . . . .

Fluting, drumlin or drumlinoid ridge . . . . .

Esker, kame or kame complex . . . . .

Surficial geology derived from:  
Boissonneau, A.N. (1965), Map S465, Ontario Department of Lands,  
Forests.

Prest, V.K., Grant, D.R., and Rampton, V.N. (1969), Glacial Map of

Canada, Geological Survey of Canada, Map 1253A (Scale: 1:5 000 000).

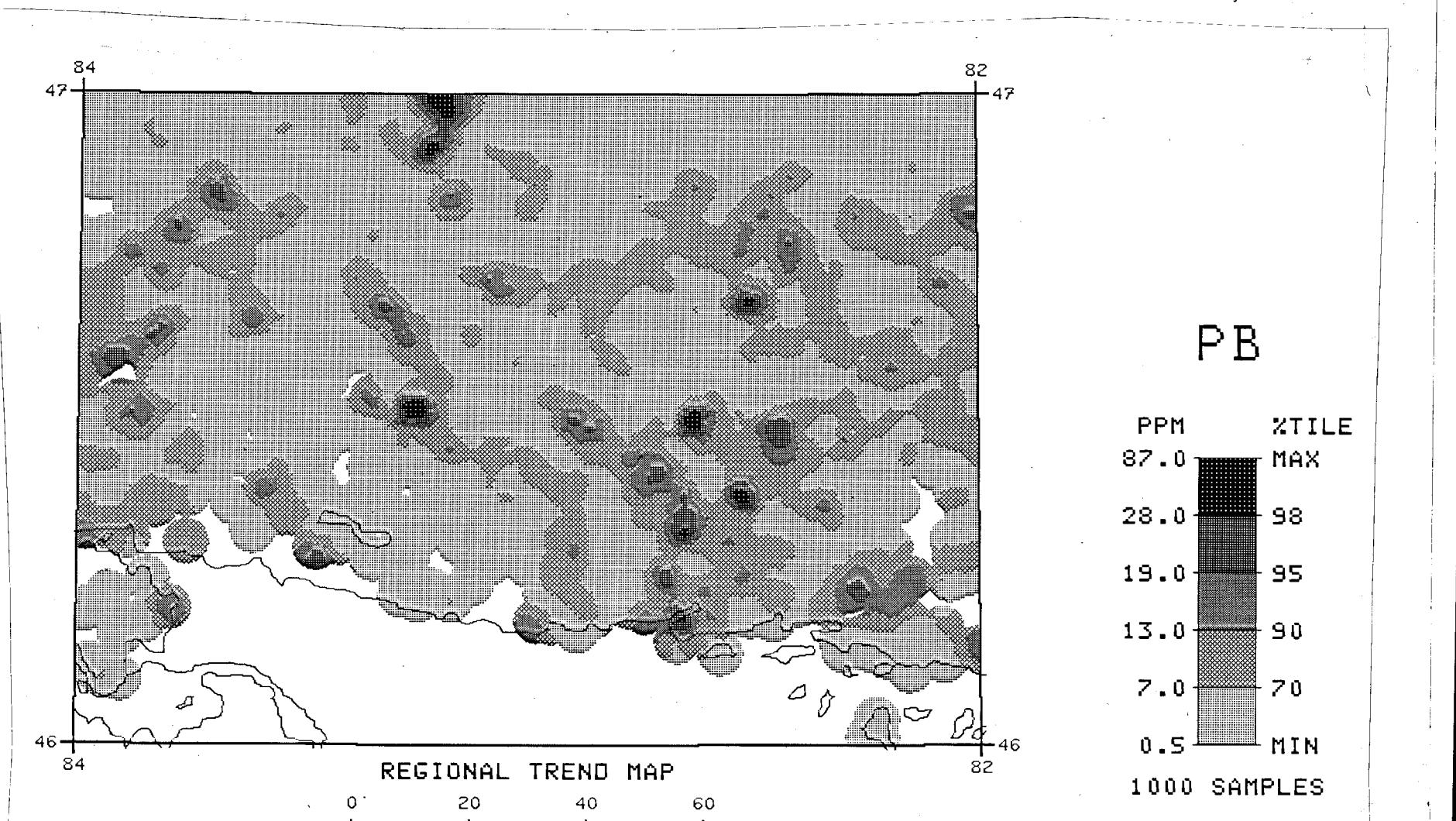
Geological Survey of Canada  
Mineral Resources Division  
Exploration Geochemistry Subdivision

CONTRACTORS

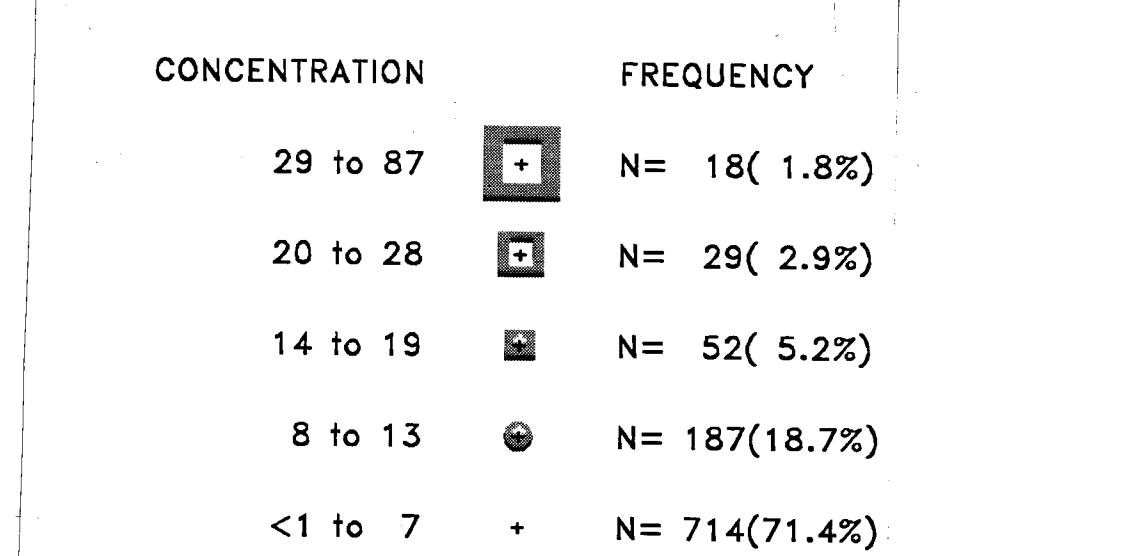
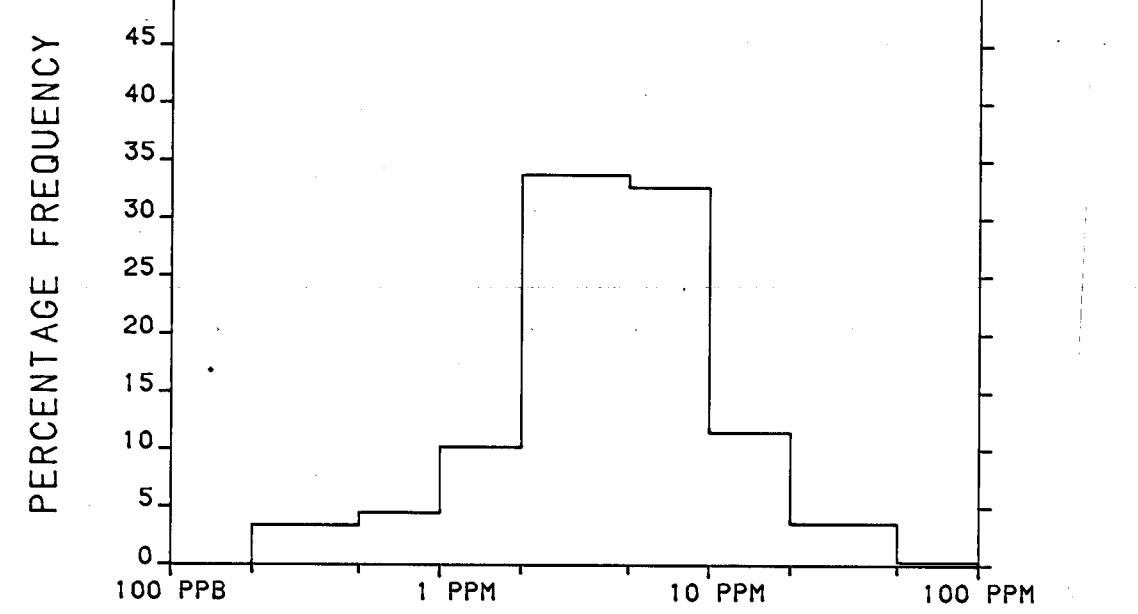
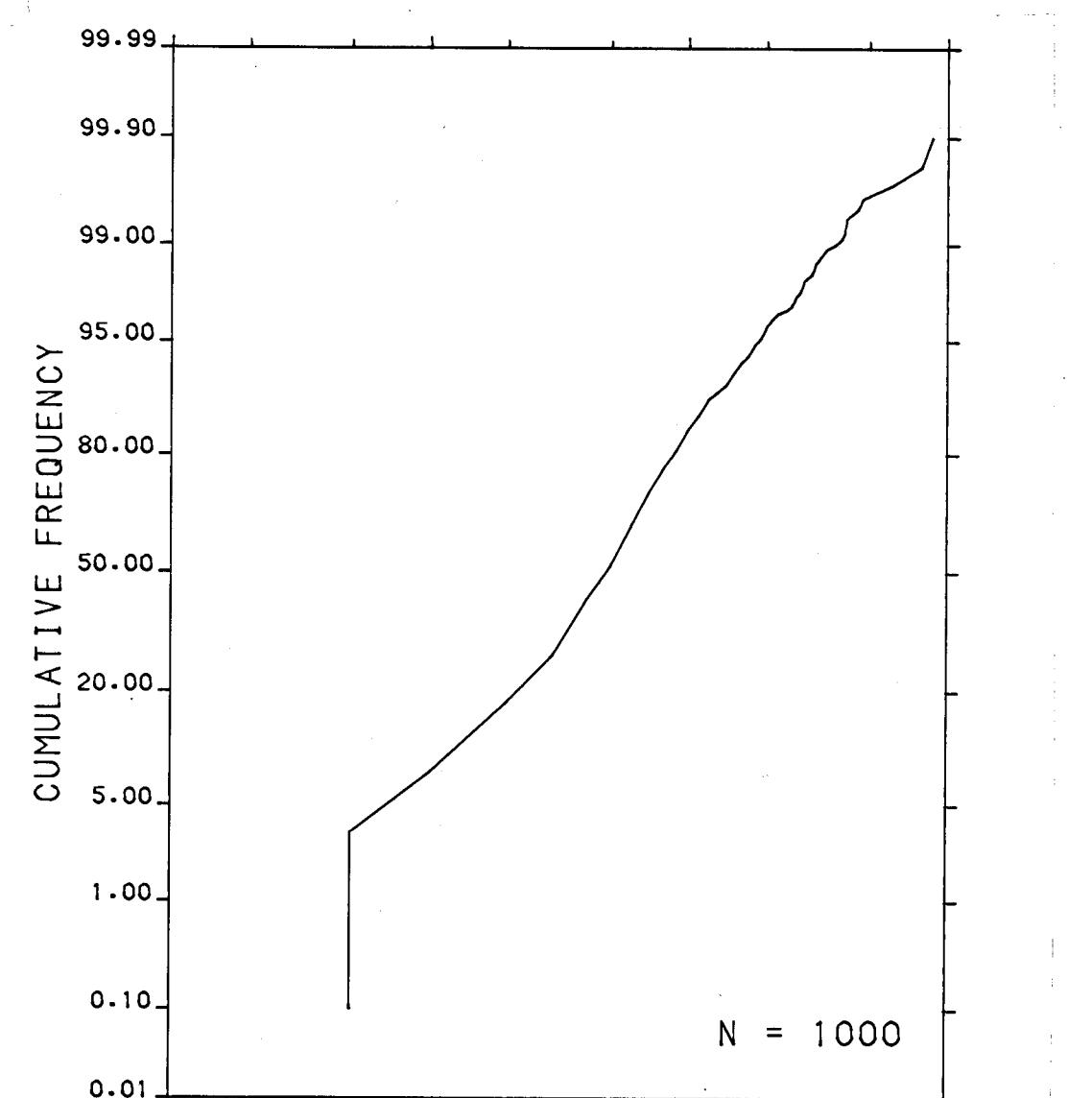
Sample collection by SIAL Géophysique Inc., Montreal  
Sample preparation by Golder Associates, Ottawa

Sediment chemical analyses by Barringer Magenta Ltd., Rexdale, Ontario

Au analyses by Chemex Labs Limited, Vancouver  
Water chemical analyses by Barringer Magenta Laboratories  
(Alberta) Ltd., Calgary



The regional geochemical trend map displayed above utilized a moving weighted average using an inverse distance function ( $1/r^2$ ) to filter out minor anomalies. 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.



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funded by the Geological Survey of Canada.

Ministry of  
Northern Development  
and Mines

Energy, Mines and  
Resources Canada Energie, Mines et  
Ressources Canada

Canada

