

**GEOLOGICAL SURVEY OF CANADA OPEN FILE 1957  
(parts of 52D and 52E)  
CANADA-ONTARIO MINERAL DEVELOPMENT AGREEMENT (1985-1990)**

**REGIONAL LAKE SEDIMENT AND WATER  
GEOCHEMICAL RECONNAISSANCE DATA,  
NORTHWESTERN ONTARIO**



INDEX MAP

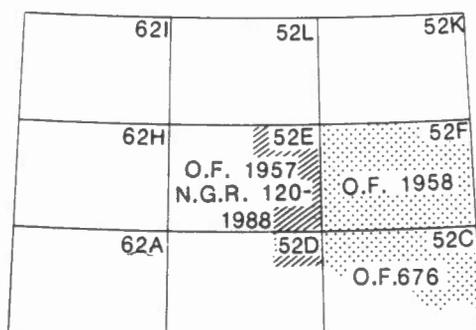
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NATIONAL GEOCHEMICAL RECONNAISSANCE  
LAKE SEDIMENT AND WATER GEOCHEMICAL DATA  
ONTARIO 1989  
GEOLOGICAL SURVEY OF CANADA OPEN FILE 1957, NGR 120-1988  
(parts of 52D and 52E)



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

Open File 1957 represents a contribution to the Canada - Ontario Mineral Development Agreement (1985-1990), a subsidiary agreement under the Economic and Regional Development Agreement. This project was funded and managed by the Geological Survey of Canada.

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**REGIONAL LAKE SEDIMENT AND WATER GEOCHEMICAL DATA, ONTARIO 1989,  
GSC OF 1957, NGR 120-1988; PARTS OF 52D and 52E**

Geological Survey of Canada Open File 1957 Regional Lake Sediment and Water Geochemical Reconnaissance Data, Northwestern Ontario, consisting of parts of NTS 52D and 52E

## **INTRODUCTION**

Open File 1957 is one of two regional geochemical open files covering parts of northwestern Ontario which were sampled in 1988 as part of the Canada - Ontario Mineral Development Agreement. Open file 1957 represents analyses of lake sediment material and waters for 24 elements.

The reconnaissance survey was undertaken in 1988 by the Geological Survey of Canada in conjunction with the Ontario Department of Mines under the Canada - Ontario Mineral Development Agreement (1985 - 1990).

The data base of the survey contributes to a national geochemical reconnaissance and is used for resource assessment, mineral exploration and geological mapping. Regional survey sample collection and preparation procedures, analytical methods and repeatability of results are therefore strictly specified and controlled. In this way, consistent data can be systematically obtained in different areas in different years from different analytical laboratories

## **CREDITS**

E.H.W. Hornbrook directed the survey.

P.W.B. Friske coordinated the operational activities of contract and Geological Survey of Canada staff.

Contracts were let to the following companies for sample collection, preparation and analysis and were managed by the following staff of the Exploration Geochemistry Subdivision:

Collection: SIAL Geophysique, Montreal,  
P.Q.  
C.C. Durham

Preparation: Golder Associates, Ottawa,  
Ontario  
J.J. Lynch

Analysis: Bondar Clegg and Company  
Ltd., Ottawa  
Chemex Labs Limited,  
Vancouver, B.C. (waters and  
Au)  
J.J. Lynch

M. McCurdy coordinated production and edited open files.

A.C. Galletta managed the digital geochemical data and provided computer processing support.

Computing services were provided by the Computer Science Centre, EMR. The plotting was done by Canada Lands Data Systems staff at Environment Canada, Hull, Quebec.

H. Gross developed microcomputer software to produce data listings and summary statistics

C.C. Durham, H.R. Schmitt, P.J. Doyle, and Rob Phillips provided technical assistance.

## **DESCRIPTION OF SURVEY AND SAMPLE MANAGEMENT**

Helicopter supported sample collection was carried out during the summer of 1988.

Lake sediment and water samples were collected at an average density of one sample per 13 square kilometres throughout the 9,400 square kilometres of the northwestern Ontario survey.

Sample site duplicate samples were routinely collected in each analytical block of twenty samples.

The field data were recorded by the field contract staff on standard lake sediment field cards (Rev. 74) used by the Geological Survey of Canada (Garrett, 1974).

In Ottawa, field dried samples were air-dried, crushed, ball milled and sieved. The minus 80 mesh (177 microns) fraction was used for subsequent analyses. At this time, control reference and blind duplicate samples were inserted into each block of twenty sediment samples. For the water samples, only control reference samples were inserted into the block. There were no blind duplicate water samples.

On receipt, field and analytical data were processed with the aid of computers.

The sample site positions were marked on appropriate 1/250,000 scale NTS maps in the field. These maps were digitized at the Geological Survey in Ottawa to obtain the sample site UTM coordinates.

The sample site coordinates were checked as follows: a sample location map was produced on a Calcomp 1051 drum plotter using the digitized coordinates; the field contractor's sample location map was then overlaid with the Calcomp map; the two sets of points were checked for coincidence. The dominant rock types in the lake catchment basins were identified on appropriate geological maps used as the bedrock geological base on NGR maps.

Thorough inspections of the field and analytical data were made to check for any missing information and/or gross errors.

Quality control and monitoring of the geochemical data was undertaken by a standard method used by the Exploration Geochemistry Subdivision at the Geological Survey of Canada.

## ANALYTICAL PROCEDURES

### Atomic Absorption Spectroscopy (AAS) and Other Analyses

To determine Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe, Cd, and As a 1 gram sample reacts with 6 mL of a mixture of 4M HNO<sub>3</sub> and M HCl in a test-tube overnight at room temperature. After digestion, the test-tube is immersed in a hot water bath at room temperature and brought up to 90° C and held at this temperature for 2 hours with periodic shaking. The sample solution is then diluted to 20 mL with metal free water and mixed. Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe and Cd are determined by atomic absorption spectroscopy using an air-acetylene flame. Background corrections are made for Pb, Ni, Co, Ag and Cd.

Arsenic is determined by atomic absorption using a hydride evolution method wherein the hydride (AsH<sub>3</sub>) is evolved and passed through a heated quartz tube in the light path of an atomic absorption spectrophotometer. The method is described by Aslin (1976). Detection limit = 1 ppm.

Molybdenum and vanadium are determined by atomic absorption spectroscopy using a nitrous oxide acetylene flame. A 0.5 gram sample reacts with 1.5 mL concentrated HNO<sub>3</sub> at 90° C for 30 minutes. At this point 0.5 mL concentrated HCl is added and the digestion continues at 90° C for an additional 90 minutes. After cooling, 8 mL of 1250 ppm Al solution are added and the sample solution is diluted to 10 mL before aspiration. Detection limit = Mo - 2 ppm; V - 5 ppm.

Mercury is determined by the Hatch and Ott Procedure with some modifications. The method is described by Jonasson *et al.* (1973). A 0.5 gram sample reacts with 5 mL concentrated HNO<sub>3</sub> and 0.3 mL concentrated HCl in a test-tube for 10 minutes at room temperature prior to 2 hours of digestion with mixing at 90° C in a hot water bath. After digestion, the sample solutions are cooled and diluted to 100 mL with metal-free water. The Hg present is reduced to the elemental state by the addition of 10 mL 10% w/v SnCl<sub>2</sub> in a 10% solution of HCl. The Hg vapour was then flushed by a stream of air into an absorption cell mounted in the light path of an atomic absorption spectrophotometer. Absorption measurements are made at 253.7 nm. Detection limit = 10 ppb.

Loss on ignition is determined using a 500 mg sample. The sample, weighed into 30 ml beaker, placed in a cold muffle furnace and brought up to 500° C over a period of 2 - 3 hours. The sample is left at this temperature for 4 hours, then allowed to cool to room temperature for weighing. Detection limit = 1.0 pct.

Uranium is determined using a neutron activation method with delayed neutron counting. A detailed description of the method is provided by Boulanger *et al.* (1975). In brief, a 1 gram sample is weighed into a 7 dram polyethylene vial, capped and sealed. The irradiation is provided by the Slowpoke reactor with an operating flux of 10<sup>12</sup> neutrons/sq cm/sec. The samples are pneumatically transferred from an automatic loader to the reactor, where each sample is irradiated for 60 seconds. After irradiation, the sample is again transferred pneumatically to the counting facility where after a 10 second delay the sample is counted for 60 seconds with six BF<sub>3</sub> detector tubes embedded in paraffin. Following counting, the samples are automatically ejected into a shielded storage container. Calibration is carried out twice a day as a minimum, using natural materials of known uranium concentration. Detection limit = 0.5 ppm.

Antimony is determined in lake sediments as described by Aslin (1976). A 500 mg sample is placed in a test tube; 3 mL concentrated HNO<sub>3</sub> and 9 mL concentrated HCl are added and the mixture is allowed to stand overnight at room temperature. The mixture is heated slowly to 90° C and maintained at this temperature for at least 90 minutes. The solution is cooled and diluted to 10 mL with 1.8 M HCl. The antimony in an aliquot of this dilute solution is then determined by hydride evolution - atomic absorption spectrometry. Detection limit = 0.2 ppm.

Fluorine is determined in lake sediments as described by Ficklin (1970). A 250 mg sample is sintered with 1 g of a flux consisting of two parts by weight sodium carbonate and one part by weight potassium nitrate. The residue is then leached with water. The sodium carbonate is neutralized with 10 mL 10% (w/v) citric acid and the resulting solution is diluted to 100 mL with water. The pH of the resulting solution should be from 5.5 to 6.5. The fluoride content of the test solution is then measured using a fluoride ion electrode. Standard solutions contain sodium carbonate and citric acid in the same quantities as the sample solution. Detection limit = 40 ppm.

Gold is usually determined on a 10 g lake sediment sample; depending on the amount of sample available, lesser weights are sometimes used. This results in a variable detection limit: 2 ppb for a 5 g sample, 1 ppb for a 10 g sample . . . The sample is fused to produce a lead button, collecting any gold in the sample, which is cupelled in a muffle furnace to produce a silver (dore) bead. The silver beads are irradiated in a neutron flux

for one hour, cooled for four hours, and counted by gamma ray spectrometry. Calibration is carried out using standard and blank beads.

Fluoride in lake water samples is determined using a fluoride electrode. Prior to measurement an aliquot of the sample is mixed with an equal volume of TISAB II buffer solution (total ionic strength adjustment buffer). The TISAB II buffer solution is prepared as follows: to 50 mL metal free water add 57 mL glacial acetic acid, 58 gm NaCl and 4 gm CDTA (cyclohexylene dinitrilo tetraacetic acid). Stir to dissolve and cool to room temperature. Using a pH meter, adjust the pH between 5.0 and 5.5 by slowly adding 5 M NaOH solution. Cool and dilute to one litre in a volumetric flask. Detection limit = 20 ppb.

Hydrogen ion activity (pH) is measured with a combination glass-calomel electrode and a pH meter.

Uranium in waters is determined by a laser-induced fluorometric method using a Scintrex UA-3 uranium analyser. A complexing agent, known commercially as fluran and composed of sodium pyrophosphate and sodium monophosphate (Hall, 1979) is added to produce the uranyl pyrophosphate species which fluoresces when exposed to the laser. Since organic matter in the sample can cause unpredictable behaviour, a standard addition method is used. In the past, there have been instances at the GSC where the reaction of uranium with fluran was either delayed or sluggish; for this reason an arbitrary 24 hour time delay between the addition of the fluran and the actual reading is incorporated into this method. In practice 500  $\mu$ L of fluran solution are added to a 5 mL sample and allowed to stand for 24 hours. At the end of this period fluorescence readings are made with the addition of 0.0, 0.2 and 0.4 ppb U. For high samples the additions are 0.0, 2.0 and 4.0 (20  $\mu$ L aliquots of either 55 or 550 ppb U are used). All readings were taken against a sample blank. Detection limit = .05 ppb.

Alkalinity in waters is determined by titrating a 25 mL aliquot of the sample with 0.02 N H<sub>2</sub>SO<sub>4</sub> using a Corning combination electrode and a Corning model 135 pH meter. The end point is pH 4.5. Detection level = 1 ppm.

Calcium and magnesium in waters are determined by atomic absorption spectroscopy. The sample solution contains 1000  $\mu$ g/mL potassium and 2000  $\mu$ g/mL lanthanum. Potassium acts as an ionization buffer and lanthanum as the releasing agent.

Table 1 provides a summary of analytical data and methods.

## PRESENTATION AND INTERPRETATION OF GOLD DATA

The following discussion reviews the format used to present the Au geochemical data and outlines some important points to consider when interpreting this data. This discussion is included in recognition of the special geochemical behaviour and mode of occurrence of Au in nature and the resultant difficulties in obtaining and analyzing samples which reflect the actual concentration level at a given site.

To correctly interpret Au geochemical data from regional stream sediment or lake sediment surveys requires an appreciation of the unique chemical and physical characteristics of Au and its mobility in the surficial environment. Key properties of Au that distinguish its geochemical behaviour from most other elements include (Harris, 1982):

- (1) Au occurs most commonly in the native form which is chemically and physically resistant. A high proportion of the metal is dispersed in micron-sized particulate form. Gold's high specific gravity results in heterogeneous distribution, especially in stream sediment and clastic-rich (low LOI) lake sediment environments. Au distribution appears to be more homogeneous in organic-rich fluvial and lake sediment environments.
- (2) Gold typically occurs at low concentrations in the ppb range. Whereas gold concentrations of only a few ppm may represent economic deposits, background levels encountered from stream and centre-lake sediments seldom exceed 10 ppb, and commonly are near the detection limit of 1 ppb.

These factors result in a particle sparsity effect wherein very low concentrations of Au are heterogeneously enriched in the surficial environment. Hence, a major problem facing the geochemist is to obtain a representative sample. In general, the lower the actual concentration of Au the larger the sample size, or the smaller the grain size required to reduce uncertainty over whether subsample analytical values truly represent actual values. Conversely, as actual Au concentrations increase or grain size decreases, the number of Au particles to be shared in random subsamples increases and the variability of results decreases (Clifton *et al.*, 1969; Harris, 1982). The limited amount of material collected during the rapid, reconnaissance-style regional surveys and the need to analyze for a broad spectrum of elements, precludes the use of a significantly large sample weight for the Au analyses. Therefore, to the extent that sample representivity can be increased, sample grain size is reduced by sieving and ball milling of all samples.

The following control methods are currently employed to evaluate and monitor the sampling and analytical variability which are inherent in the analysis of Au in geochemical mediums:

- (1) For each block of twenty samples:
  - (a) random insertion of a standard reference sample to control analytical accuracy and long-term precision;
  - (b) collection of a field duplicate (two samples from one site) to control sampling variance;
  - (c) analysis of a second subsample (blind duplicate) from one sample to control short-term precision.
- (2) For both stream sediments and lake sediments, routine repeat analyses on a second subsample are performed for all samples having values that are statistically above approximately the 90th percentile of total data set. This applies only to gold analyses by fire assay preconcentration followed by neutron activation. **Such routine repeat analyses are not performed for INA analyses of archived samples.**
- (3) For lake sediments only, a routine repeat analysis on a second subsample is performed on those samples with LOI values below 10%, indicating a large clastic component. On-going studies suggest that the Au distribution in these samples is more likely to be variable than in samples with a higher LOI content. **Again, routine repeat analyses are performed only when the fire assay preconcentration/neutron activation method is used.**

Au data presentation, statistical treatment and the value map format are different than for other elements. Au data listed in the open file may include initial analytical results, values determined from repeat analyses, together with sample weights and corresponding detection limits for all analyzed samples. The gold, statistical parameters and regional symbol trend plots are determined using the following data population selection criteria:

- (1) Only the first analytical value is utilized.
- (2) Au values determined from sample weights less than 10 g are excluded, except where determined by instrumental neutron activation analyses.
- (3) Au values less than the detection limit (<1 ppb) for 10 g samples are set to 0.5 ppb.

On the value map, repeat analysis values, where determined (not field duplicates), are placed in brackets following the initial value

determination. All values determined on a sample less than 10 g are denoted by an asterisk. Actual sample weight used can be determined from the text. Following are possible variations in data presentation on a value map:

*	No data
+ 27	Single analysis, 10 g sample weight
+ 27*	single analysis, < 10 g sample weight
+ 27 (14)	Repeat analysis, both samples 10 g
+ 27 (14*)	Repeat analysis, first sample 10 g, repeat < 10 g
+ < 1	Single analysis, 10 g sample, less than detection limit of 1 ppb

In summary, geochemical follow-up investigations for Au should be based on a careful consideration of all geological and geochemical information, and especially a careful appraisal of gold geochemical data and its variability. In some instances, prospective follow-up areas may be indirectly identified by pathfinder element associations in favourable geology, although a complementary Au response due to natural variability may be lacking. Once an anomalous area has been identified, field investigations should be designed to include detailed geochemical follow-up surveys and collection of large representative samples. Subsequent repeat subsample analyses will increase the reliability of results and permit a better understanding of natural variability which can then be used to improve sampling methodology and interpretation.

#### LAKE SEDIMENT DATA LIST LEGEND

Table 2 lists the field and map information which is recorded at each sample site and listed in the accompanying data listings.

#### REFERENCES

- Aslin, G.E.M. (1976) The determination of arsenic and antimony in geological materials by flameless atomic absorption spectrophotometer; *Journal of Geochemical Exploration*, Vol. 6, pp. 321-330.
- Boulanger, A., Evans, D.J.R., and Raby, B.F. (1975) Uranium analysis by neutron activation delayed neutron counting; *Proceedings of the 7th Annual Symposium of Canadian Mineral Analysts*, Thunder Bay, Ontario, September 22 - 23, 1975.

Clifton, H.E., Hunter, R.E., Swanson, F.J., and Phillips, R.L. (1969) Sample size and meaningful gold analysis; U.S. Geological Survey Professional Paper 625-C.

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Hall, G.E.M. (1979) A study of the stability of uranium in waters collected from various geological environments in Canada; *In Current Research, Part A*, Geological Survey of Canada Paper 79-1A, p. 361-365.

Harris, J.F. (1982) Sampling and analytical requirements for effective use of geochemistry in exploration for gold; *In* Levinson, A.A., Editor, Precious Metals in the Northern Cordillera, proceedings of a symposium sponsored by the Association of Exploration Geochemists and the Cordilleran Section of the Geological Association of Canada, pp. 53-67.

Jonasson, I.R., Lynch, J.J., and Trip, L.J. (1973) Field and laboratory methods used by the Geological Survey of Canada in geochemical surveys; No. 12, Mercury in Ores, Rocks, Soils, Sediments and Water, Geological Survey of Canada Paper 73-21.

**TABLE 1. Summary of Analytical Data and Methods**

Element	Detection level	Method(s)
<b>SEDIMENTS:</b>		
Zn Zinc	2 ppm	AAS
Cu Copper	2 ppm	AAS
Pb Lead	2 ppm	AAS
Ni Nickel	2 ppm	AAS
Co Cobalt	2 ppm	AAS
Ag Silver	0.2 ppm	AAS
Mn Manganese	5 ppm	AAS
As Arsenic	1 ppm	AAS
Mo Molybdenum	2 ppm	AAS
Fe Iron	0.02 pct	AAS
Hg Mercury	10 ppb	AAS
LOI Loss-on-ignition	1.0 pct	GRAV
U Uranium	0.5 ppm	NADNC
V Vanadium	5 ppm	AAS
Cd Cadmium	0.2 ppm	AAS
Sb Antimony	0.2 ppm	AAS
F Fluorine	20 ppm	ISE
Au Gold	1 ppb	FA - NA
<b>WATERS:</b>		
F Fluoride	20 ppb	ISE
pH Hydrogen ion activity		GCM
U Uranium	0.05 ppb	LIF
Ca Calcium	0.5 ppb	AAS
Mg Magnesium	0.05 ppb	AAS
T-Alk Total Alkalinity	1 ppm	TIT

- AAS - Atomic absorption spectrometry
- GRAV - Gravimetry
- FA-NA - Fire assay preconcentration - neutron activation
- ISE - Ion selective electrode
- GCM - Glass Calomel electrode and pH meter
- LIF - Laser-induced fluorescence
- NADNC - Neutron Activation delayed neutron counting
- TIT - Titration

**TABLE 2. FIELD DATA DESCRIPTIONS**

FIELD RECORD	DEFINITION	TEXT CODE
MAP SHEET	National topographic system (NTS); lettered quadrangle (1:250,000 scale) or (1:50,000 scale). Part of sample number	052D, 052E or 052F
SAMPLE ID	Remainder of sample number: Year ..... Field crew ..... Sample sequence number .....	88 1, 3, 5 or 7 001 - 999
REP STAT	Replicate status; the relationship of the sample to others within the analytical block of 20: Routine regional sample ..... First of field duplicate ..... Second of field duplicate .....	00 10 20
UTM	Universal Transverse Mercator (UTM) Coordinate system; digitized sample location coordinates.	
ZN	Zone 7 to 22	
EASTING	UTM Easting in metres	
NORTHING	UTM Northing in metres	
ROCK TYPE	Major rock type of lake catchment area: Precambrian Diabase dykes ..... Archean quartz monzonite, granodiorite, trondjemite, quartz diorite, granite, quartz and feldspar porphyries (rock units maybe massive, foliated, equigranular or gneissic) ..... equigranular and porphyritic monzonite, syenodiorite, syenite, diorite, quartz diorite ..... gabbro, norite, diorite, anorthosite, anorthositic gabbro, peridotite, pyroxenite ..... chemical metasediments, ironstone, magnetite and pyrite ironstone, chert ..... clastic metasediments, pebble and boulder conglomerate, sandstone, siltstone, argillite and derived schists, migmatite, metatextite ..... alkalic mafic metavolcanic flows ..... felsic to intermediate metavolcanics; flows, tuff, agglomerate, breccia and migmatite ..... mafic metavolcanics; massive and pillowed flows, tuff, agglomerate, breccia, amphibolite gneiss, migmatite .....	LPAD  AGM AGY AUB AIF ACSP AMVA AMVF AMVB
ROCK AGE	Stratigraphic age of dominant rock type in catchment basin: Precambrian ..... Archean .....	04 02
TERRAIN RELIEF	Relief of lake catchment basin: Low ..... Medium ..... High .....	Lo Med Hi

TABLE 2 - Continued

FIELD RECORD	DEFINITION	TEXT CODE
SAMPLE CONT.	Contamination; human or natural None ..... Work ..... Camp ..... Fuel ..... Gossan .....	- Wo Ca Fu Go
SAMPLE COLOUR	Sediment sample colour; up to two colours may be selected: Tan ..... Yellow ..... Green ..... Grey ..... Brown ..... Black .....	Tn Yl Gn Gy Br Bk
SUSP MATL	Suspended matter in water: None ..... Heavy ..... Light .....	- Hvy Lgt
MISC.	Refers to missing data in any field	*

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	Zn	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl
				Easting	Northing	Unit	Age	Area	Depth				
052D	881002	10	15	387168	5423872	AGM	02	>5	2	Lo	-	Tn	-
052D	881003	20	15	387168	5423859	AGM	02	>5	2	Lo	-	Tn	-
052D	881004	00	15	376045	5409997	AMVB	02	.25-1	2	Lo	-	Tn	-
052D	881005	00	15	389448	5410547	AMVB	02	.25-1	4	Lo	-	Br	-
052D	881006	00	15	399759	5410837	AGM	02	.25-1	4	Lo	-	Br	-
052D	881007	00	15	400630	5411254	AGM	02	.25-1	4	Lo	-	Br	Lgt
052D	881008	00	15	399651	5427534	AGM	02	pond	1	Lo	WoCa	Br	Lgt
052D	881009	00	15	423490	5421760	AGM	02	pond	2	Lo	-	Br	Lgt

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052D 881002 10	98	28	15	28	9	<	395	1	<	2.14	78	14.3	3.9	396	27	0.2	0.2	2.	10.0	<4	2.50	40.	6.1	<	55.	13.5	5.60
052D 881003 20	112	30	15	30	10	<	413	1	<	2.14	86	14.1	4.0	358	28	<	0.2	2.	10.0	1	10.00	50.	6.1	<	55.	13.5	5.60
052D 881004 00	160	29	20	29	9	<	361	1	<	2.08	156	15.5	3.8	397	29	0.4	0.2	2.	10.0	-	-	70.	6.1	<	49.	12.5	5.40
052D 881005 00	121	3	<	3	2	0.4	91	<	<	0.34	47	80.2	1.0	52	11	<	<	<1	10.0	-	-	50.	5.9	<	22.	4.3	3.60
052D 881006 00	46	3	<	3	3	0.2	87	<	<	0.26	43	84.6	0.9	71	12	<	0.2	<1	10.0	-	-	40.	5.8	<	40.	9.0	5.40
052D 881007 00	36	2	<	2	<	<	35	<	<	0.22	31	77.7	0.9	48	7	<	<	<1	10.0	-	-	30.	5.7	<	13.	3.5	2.00
052D 881008 00	96	31	7	44	14	<	299	3	3	0.66	66	43.2	18.8	179	53	1.3	0.2	3.	10.0	3	10.00	50.	6.3	<	96.	23.5	8.00
052D 881009 00	96	17	6	18	6	0.2	211	<	<	1.07	101	47.8	3.4	254	19	0.2	<	<1	10.0	-	-	60.	6.0	<	39.	9.3	4.20

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit	Age	Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl
			Zn	Easting Northing			Area	Depth				
052E	881002	00	15	425680 5471368	AMVB	02	.25-1	8	Lo	-	Br	-
052E	881003	00	15	423145 5472480	AMVB	02	>5	13	Lo	WoCa	Br	-
052E	881004	10	15	414219 5471130	AGM	02	>5	13	Lo	Ca	Br	-
052E	881005	20	15	414219 5471130	AGM	02	>5	13	Lo	Ca	Br	-
052E	881006	00	15	408719 5471366	AGM	02	1-5	13	Lo	-	Br	-
052E	881008	00	15	406234 5471524	AGM	02	>5	9	Lo	Ca	Gy	-
052E	881009	00	15	403199 5470656	AGM	02	>5	2	Lo	-	Br	-
052E	881010	00	15	398375 5470196	AGM	02	1-5	6	Lo	-	Br	-
052E	881011	00	15	394037 5473442	AGM	02	.25-1	5	Lo	-	Br	-
052E	881012	00	15	390359 5475384	AGM	02	.25-1	8	Md	-	Br	-
052E	881013	00	15	387085 5474234	AGM	02	1-5	8	Md	-	Br	-
052E	881014	00	15	378070 5470257	AGM	02	>5	10	Md	-	Br	-
052E	881015	00	15	376910 5471202	AGM	02	>5	10	Md	-	Gy	-
052E	881016	00	15	375559 5475558	AMVB	02	>5	4	Lo	-	Gy	-
052E	881017	00	15	372210 5474485	AGM	02	>5	4	Lo	-	Gy	-
052E	881018	00	15	359598 5474499	AMVB	02	>5	4	Lo	-	Tn	-
052E	881019	00	15	356964 5472375	AGM	02	>5	2	Lo	-	Br	-
052E	881020	00	15	355005 5470398	AMVB	02	>5	3	Lo	Ca	Br	-
052E	881022	00	15	360628 5470338	AGM	02	>5	5	Lo	Ca	Gy	-
052E	881023	10	15	364017 5468986	AGM	02	>5	4	Lo	Ca	Gy	-
052E	881024	20	15	364004 5468986	AGM	02	>5	4	Lo	Ca	Gy	-
052E	881025	00	15	365565 5466423	AGM	02	>5	7	Lo	Ca	Gy	-
052E	881026	00	15	368488 5463179	AGM	02	>5	5	Lo	Ca	Gy	-
052E	881027	00	15	368681 5468032	AGM	02	>5	10	Lo	Ca	Gy	-
052E	881028	00	15	370849 5469586	AGM	02	>5	5	Lo	Ca	Gy	-
052E	881029	00	15	373537 5466384	ACSP	02	>5	11	Lo	Ca	Gy	-
052E	881030	00	15	380293 5464796	AGM	02	>5	5	Lo	Ca	Gy	-
052E	881031	00	15	380336 5468534	AGM	02	>5	5	Lo	Ca	Gy	-
052E	881032	00	15	384181 5468851	AGM	02	>5	3	Lo	-	Tn	-
052E	881033	00	15	391219 5471333	AGM	02	1-5	5	Md	-	Br	-
052E	881034	00	15	392716 5469552	AGM	02	.25-1	8	Md	-	Br	-
052E	881035	00	15	396052 5468111	AGM	02	.25-1	2	Lo	-	Br	Lgt
052E	881037	00	15	399312 5467516	AGM	02	1-5	7	Lo	-	Br	-
052E	881038	00	15	404966 5466129	AGM	02	.25-1	5	Lo	-	Br	Lgt
052E	881039	00	15	408326 5465411	AGM	02	.25-1	3	Lo	-	Br	Lgt
052E	881040	00	15	408849 5468971	AGM	02	.25-1	2	Lo	-	Br	Lgt
052E	881042	10	15	413776 5465614	AGM	02	.25-1	2	Lo	-	Tn	-
052E	881043	20	15	413763 5465614	AGM	02	.25-1	2	Lo	-	Tn	-
052E	881044	00	15	416164 5467000	AGM	02	>5	19	Lo	Ca	Gy	-
052E	881045	00	15	423467 5469840	AMVB	02	>5	13	Lo	-	Br	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	GRAV	NADMC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052E 881002 00	673	27	3	16	6	0.6	253	<	2	1.52	62	77.5	1.7	105	14	<	0.2	1.	10.0	-	-	60.	6.3	<	60.	23.0	3.00
052E 881003 00	124	55	17	40	16	<	522	3	<	3.29	121	20.0	4.0	298	46	<	0.3	24.	10.0	27	5.00	50.	6.1	<	37.	12.5	2.00
052E 881004 10	101	44	16	35	11	0.3	201	2	<	2.54	53	18.0	4.6	321	35	<	0.3	4.	10.0	3	10.0	50.	6.1	<	38.	11.0	2.30
052E 881005 20	162	50	16	47	11	0.2	192	2	<	2.25	50	18.7	3.7	309	33	<	0.3	2.	10.0	-	-	50.	6.1	<	37.	11.0	2.20
052E 881006 00	260	40	21	36	10	0.2	451	4	<	2.41	68	30.7	4.4	351	44	0.3	0.4	1.	10.0	-	-	50.	5.9	<	22.	4.8	1.70
052E 881008 00	137	47	14	48	16	0.2	386	2	<	2.63	29	20.8	4.5	356	44	<	0.3	2.	10.0	-	-	50.	6.1	<	36.	10.5	2.30
052E 881009 00	81	26	6	32	9	<	202	1	<	1.52	26	36.9	4.6	276	35	<	0.2	2.	10.0	-	-	50.	6.1	<	35.	9.0	2.50
052E 881010 00	120	30	16	32	11	0.3	541	3	<	2.53	100	32.0	4.5	258	36	<	0.3	1.	10.0	-	-	50.	5.8	<	13.	3.3	1.50
052E 881011 00	95	21	5	15	8	<	248	<	<	1.79	50	56.6	2.9	130	20	<	0.2	2.	10.0	-	-	50.	5.7	0.07	13.	3.0	1.00
052E 881012 00	101	31	9	28	13	0.2	437	1	<	2.79	71	34.1	4.8	279	38	<	0.2	2.	10.0	-	-	50.	5.7	<	12.	3.1	0.96
052E 881013 00	142	32	13	35	14	0.3	458	2	<	2.29	100	31.4	4.3	258	41	<	0.2	2.	10.0	-	-	40.	5.7	<	12.	3.2	1.20
052E 881014 00	117	41	13	44	13	<	245	2	<	3.16	62	18.2	4.7	351	42	<	0.3	3.	10.0	-	-	40.	6.1	<	54.	13.5	5.00
052E 881015 00	109	40	17	48	15	0.2	545	3	<	3.61	74	14.8	5.0	462	45	<	0.3	2.	10.0	-	-	50.	6.2	<	54.	14.0	5.00
052E 881016 00	107	41	16	41	13	0.4	366	3	<	3.24	71	16.4	4.6	479	39	<	0.3	2.	10.0	-	-	50.	6.2	<	55.	15.5	5.20
052E 881017 00	111	41	12	44	12	0.4	336	2	<	3.30	50	15.4	5.0	460	46	<	0.3	2.	10.0	-	-	50.	6.2	<	58.	16.0	5.40
052E 881018 00	89	30	15	37	13	<	504	3	<	2.68	53	12.0	3.9	393	34	<	0.3	2.	10.0	-	-	50.	6.2	<	58.	15.0	5.40
052E 881019 00	117	32	16	38	12	<	252	2	<	3.05	62	21.2	4.5	452	39	<	0.3	1.	10.0	-	-	50.	6.2	<	56.	13.0	5.20
052E 881020 00	79	20	13	26	7	<	234	3	<	2.07	71	24.4	3.9	370	27	<	0.3	1.	10.0	-	-	60.	6.3	0.10	72.	17.0	6.00
052E 881022 00	76	27	12	34	11	<	664	3	<	2.51	47	12.6	3.8	396	28	<	0.3	1.	10.0	-	-	50.	6.3	<	59.	15.5	4.80
052E 881023 10	111	30	18	40	13	<	407	2	<	2.97	62	13.8	4.3	438	41	<	0.4	2.	10.0	<4	2.50	50.	6.3	<	58.	15.0	5.00
052E 881024 20	134	30	16	40	13	<	374	2	<	2.97	56	13.3	4.4	467	39	<	0.4	6.	10.0	<2	5.00	50.	6.2	<	57.	14.5	5.20
052E 881025 00	72	28	14	35	11	<	757	3	<	2.56	71	17.5	5.0	387	35	0.2	0.3	2.	10.0	-	-	50.	6.2	<	57.	14.5	5.60
052E 881026 00	81	28	12	36	13	<	376	2	<	2.36	53	9.6	3.7	375	33	<	0.3	2.	10.0	2	10.00	50.	6.2	<	58.	15.0	4.60
052E 881027 00	94	32	15	48	15	<	893	2	<	3.17	65	13.6	4.7	415	40	<	0.3	2.	10.0	-	-	50.	6.2	<	58.	13.5	5.40
052E 881028 00	60	31	9	61	11	<	313	2	<	1.94	44	9.0	3.4	374	26	<	0.3	1.	10.0	2	10.00	50.	6.4	<	57.	13.5	5.00
052E 881029 00	113	33	15	43	15	<	652	3	<	3.20	68	13.6	5.1	465	46	<	0.3	1.	10.0	-	-	50.	6.1	<	56.	13.0	4.80
052E 881030 00	97	53	13	88	14	<	400	3	<	3.21	65	15.8	4.7	375	39	<	0.3	4.	10.0	<4	2.50	50.	6.1	<	54.	14.0	4.40
052E 881031 00	127	45	14	47	14	<	294	3	<	3.59	62	19.4	5.3	463	50	<	0.3	<4	2.50	-	-	50.	6.1	<	53.	14.5	5.00
052E 881032 00	117	36	16	41	14	<	211	3	<	2.72	65	18.9	4.3	383	44	<	0.3	2.	5.00	-	-	50.	6.2	<	44.	11.0	4.80
052E 881033 00	119	22	6	20	12	<	154	1	<	1.41	103	55.4	3.1	125	21	<	0.2	1.	10.0	-	-	50.	5.6	<	9.	2.5	0.84
052E 881034 00	184	25	8	20	10	<	284	1	<	1.56	89	34.3	3.6	152	29	<	0.2	<2	5.00	-	-	40.	5.6	<	7.	2.2	0.84
052E 881035 00	74	21	7	19	7	<	103	2	<	0.96	72	54.8	2.5	91	21	<	0.2	<1	10.0	-	-	40.	5.5	<	6.	2.4	0.96
052E 881037 00	112	31	10	22	9	<	304	2	<	1.43	91	49.7	4.0	171	27	0.2	0.3	<1	10.0	-	-	60.	5.8	<	20.	4.0	1.40
052E 881038 00	120	21	8	20	8	<	296	1	<	1.42	115	39.1	3.4	135	21	<	0.2	<4	2.50	-	-	50.	5.7	<	7.	2.4	1.00
052E 881039 00	128	19	9	23	9	<	190	<	<	2.24	97	24.7	3.5	290	28	<	0.2	<2	5.00	-	-	50.	5.7	<	8.	2.4	1.20
052E 881040 00	107	23	8	23	6	<	157	1	<	1.63	68	36.1	3.8	246	30	<	0.2	<1	10.0	-	-	50.	5.6	<	8.	2.6	1.00
052E 881042 10	103	28	8	30	8	<	124	<	<	1.41	53	48.8	2.8	228	32	<	0.2	<1	10.0	-	-	60.	5.9	<	30.	8.1	2.40
052E 881043 20	103	30	4	31	9	<	114	1	<	1.42	53	48.3	3.1	237	32	<	0.2	2.	10.0	-	-	50.	6.0	<	29.	8.1	2.20
052E 881044 00	123	50	18	45	18	<	626	4	<	3.43	32	14.9	4.5	534	57	<	0.3	<4	2.50	-	-	40.	6.1	<	39.	10.0	2.20
052E 881045 00	122	60	22	43	14	<	286	3	<	3.35	64	23.6	3.5	405	55	<	0.3	2.	10.0	-	-	40.	6.1	<	40.	10.5	2.40

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, MTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn	Easting	Northing	Unit	Age	Area					Depth
052E	881047	00	15	420424	5468363	AGM	02	.25-1	2	Lo	-	Br	-
052E	881048	00	15	414585	5464161	AGM	02	pond	5	Lo	-	Br	Lgt
052E	881049	00	15	409194	5462275	AGM	02	.25-1	5	Lo	-	Tn	-
052E	881050	00	15	405418	5462332	AGM	02	.25-1	4	Lo	-	Br	-
052E	881051	00	15	400768	5463819	AGM	02	1-5	4	Lo	-	Br	-
052E	881052	00	15	397921	5464033	AGM	02	1-5	4	Lo	-	Br	-
052E	881053	00	15	396323	5463264	AGM	02	1-5	3	Lo	-	Br	-
052E	881054	00	15	392351	5463362	AGM	02	1-5	4	Lo	-	Br	-
052E	881055	00	15	390870	5466248	AGM	02	.25-1	8	Lo	-	Br	-
052E	881056	00	15	388333	5464674	AGM	02	.25-1	3	Lo	-	Br	Lgt
052E	881057	00	15	385609	5465890	AGM	02	>5	2	Lo	-	Tn	-
052E	881058	00	15	384163	5462560	AGM	02	1-5	2	Lo	-	Br	Lgt
052E	881059	00	15	387599	5458839	AMVB	02	>5	5	Lo	-	Gy	Lgt
052E	881060	00	15	388135	5453848	AGM	02	>5	10	Lo	-	Gy	-
052E	881062	10	15	388076	5449888	AGM	02	>5	4	Lo	-	Gy	-
052E	881063	20	15	388076	5449875	AGM	02	>5	4	Lo	-	Gy	-
052E	881064	00	15	384368	5449011	AGM	02	>5	3	Lo	-	Gy	-
052E	881066	00	15	379419	5447810	AGM	02	1-5	2	Lo	-	Br	-
052E	881067	00	15	373061	5449259	AGM	02	>5	4	Lo	-	Br	-
052E	881068	00	15	374891	5438256	AGM	02	.25-1	2	Lo	-	Br	-
052E	881069	00	15	375732	5441474	AGM	02	.25-1	2	Lo	-	Br	Lgt
052E	881070	00	15	378389	5440062	AGM	02	>5	4	Lo	-	Br	-
052E	881071	00	15	381713	5442018	AGM	02	>5	2	Lo	-	Br	-
052E	881072	00	15	384281	5443115	AGM	02	>5	2	Lo	-	Gy	-
052E	881073	00	15	385744	5439068	AGM	02	>5	2	Lo	-	Br	-
052E	881074	00	15	383764	5433969	AGM	02	>5	2	Lo	-	Br	-
052E	881075	00	15	387549	5435359	AGM	02	.25-1	2	Lo	-	Br	-
052E	881076	00	15	388434	5430839	AGM	02	>5	3	Lo	-	Tn	-
052E	881077	00	15	406703	5434738	AGM	02	>5	2	Lo	WoCa	Br	-
052E	881078	00	15	403556	5437820	AGM	02	>5	3	Lo	WoCa	Gy	-
052E	881079	00	15	401310	5436217	AGM	02	>5	4	Lo	WoCa	Gy	-
052E	881080	00	15	402959	5442063	AGM	02	>5	2	Lo	Ca	Tn	-
052E	881082	10	15	405996	5442265	AGM	02	>5	2	Lo	WoCaFu	Br	-
052E	881083	20	15	405996	5442265	AGM	02	>5	2	Lo	WoCaFu	Br	-
052E	881084	00	15	407981	5442165	AGM	02	>5	2	Lo	WoCaFu	Gy	-
052E	881085	00	15	410352	5439386	AGM	02	>5	3	Lo	Ca	Gy	-
052E	881086	00	15	413673	5437743	AGM	02	>5	3	Lo	-	Br	-
052E	881087	00	15	416378	5438692	AGM	02	>5	5	Lo	-	Gy	-
052E	881088	00	15	415305	5442498	AGM	02	>5	4	Lo	Ca	Gy	-
052E	881089	00	15	411469	5444486	AGM	02	>5	5	Lo	-	Gy	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	GRAV	MDNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052E 881047 00	88	40	14	29	9	<	174	2	<	2.09	41	28.9	2.5	265	32	<	0.2	1.	10.0	-	-	50.	6.0	<	33.	8.7	2.40
052E 881048 00	149	24	8	27	6	<	191	2	<	1.18	138	60.4	3.1	135	22	0.4	0.2	<1	10.0	-	-	50.	5.8	<	18.	3.9	2.40
052E 881049 00	111	33	9	26	9	<	371	2	<	1.79	78	37.8	5.9	213	39	<	0.2	<1	10.0	-	-	50.	5.8	<	13.	3.4	1.00
052E 881050 00	160	33	6	26	13	<	193	<	<	1.44	64	61.2	3.4	130	24	<	0.2	<1	10.0	-	-	40.	5.6	<	9.	2.6	1.10
052E 881051 00	133	21	8	31	12	<	245	1	<	1.82	70	36.1	3.5	246	34	<	0.2	1.	10.0	-	-	40.	5.6	<	10.	3.1	1.20
052E 881052 00	132	29	11	36	11	<	319	2	<	2.17	73	34.7	3.3	228	33	0.2	0.2	<1	10.0	-	-	40.	5.6	<	10.	2.7	1.20
052E 881053 00	129	47	16	55	19	<	472	3	<	3.73	23	7.6	4.4	476	51	<	0.4	1.	10.0	-	-	40.	5.7	<	10.	2.8	1.20
052E 881054 00	171	35	15	42	16	<	322	2	<	3.14	78	28.1	3.7	351	45	<	0.2	1.	10.0	-	-	40.	5.5	<	9.	2.7	1.20
052E 881055 00	134	22	9	14	8	<	288	<	<	1.35	84	45.6	3.1	109	23	<	0.2	<1	10.0	-	-	30.	5.6	<	6.	2.2	0.68
052E 881056 00	135	18	5	20	9	<	156	<	<	1.08	75	46.5	2.6	135	22	<	0.2	<1	10.0	-	-	40.	5.6	<	7.	2.5	1.10
052E 881057 00	135	36	18	38	12	<	209	3	<	2.83	64	23.0	4.4	382	43	<	0.3	2.	5.00	-	-	50.	6.0	<	40.	9.8	4.60
052E 881058 00	132	37	18	37	12	<	217	3	<	2.98	67	23.3	4.6	376	40	<	0.3	1.	10.0	-	-	50.	6.2	<	48.	11.0	4.40
052E 881059 00	81	31	11	33	12	0.2	365	3	<	2.43	46	10.6	3.8	386	30	<	0.2	<2	5.00	-	-	50.	6.2	<	50.	12.5	4.60
052E 881060 00	119	35	19	43	17	<	748	3	<	3.44	75	13.2	4.5	489	49	0.2	0.3	<4	2.50	-	-	50.	6.1	<	48.	11.5	4.80
052E 881062 10	97	36	16	41	14	0.2	746	3	<	3.29	87	15.8	5.4	476	38	<	0.3	2.	10.0	6	2.50	50.	6.1	<	50.	13.0	4.40
052E 881063 20	95	34	14	42	14	<	728	3	<	3.01	81	16.2	5.6	397	39	<	0.2	3.	10.0	4	10.00	50.	6.2	<	48.	12.5	4.80
052E 881064 00	28	14	6	34	5	<	146	<	<	0.86	15	2.0	1.4	205	9	<	0.2	<1	10.0	-	-	50.	6.2	<	49.	12.0	5.00
052E 881066 00	98	29	19	28	9	<	233	2	<	2.35	64	23.6	4.7	319	32	<	0.3	<4	2.50	-	-	60.	6.2	<	48.	11.0	4.40
052E 881067 00	54	16	12	17	7	<	461	2	<	1.44	60	10.6	3.9	273	19	<	0.2	1.	10.0	-	-	60.	6.1	<	54.	12.0	5.60
052E 881068 00	87	14	12	16	7	<	227	3	<	1.47	68	35.6	3.3	294	28	<	0.2	<1	10.0	-	-	50.	6.0	<	22.	8.2	6.80
052E 881069 00	78	5	2	13	4	<	134	<	<	0.30	79	76.9	1.7	58	10	<	0.2	<1	10.0	-	-	50.	5.8	<	11.	4.8	3.40
052E 881070 00	60	18	12	20	6	<	583	2	<	1.48	79	30.6	4.4	231	23	<	0.2	1.	10.0	-	-	50.	6.2	<	51.	11.0	4.40
052E 881071 00	34	11	6	12	5	0.2	214	1	<	0.96	44	10.4	2.9	174	14	<	0.2	<1	10.0	-	-	40.	6.2	<	53.	11.0	4.80
052E 881072 00	76	33	13	36	11	<	518	2	<	2.76	92	18.6	5.2	292	36	<	0.3	1.	10.0	-	-	60.	6.3	<	50.	10.5	4.80
052E 881073 00	128	33	11	37	12	<	442	1	<	2.63	54	25.3	5.8	321	39	<	0.2	1.	10.0	-	-	60.	6.2	<	50.	10.5	4.60
052E 881074 00	69	23	8	25	9	<	216	2	<	1.64	57	16.9	3.9	234	23	<	0.2	2.	10.0	-	-	60.	6.2	<	49.	11.5	5.20
052E 881075 00	81	7	<	11	4	<	181	<	<	0.50	76	73.7	1.7	62	11	<	0.2	<1	10.0	-	-	60.	5.8	<	10.	3.0	2.90
052E 881076 00	27	4	6	6	3	<	190	<	<	0.71	32	2.8	2.3	166	9	<	0.2	<1	10.0	<1	10.00	60.	6.1	<	47.	10.0	4.20
052E 881077 00	136	29	11	37	15	<	274	1	<	3.20	76	22.1	3.5	307	41	<	0.3	1.	10.0	-	-	60.	6.5	<	74.	13.5	8.00
052E 881078 00	133	37	21	43	16	<	388	2	<	3.65	86	14.2	4.2	282	50	<	0.3	<1	10.0	-	-	60.	6.2	<	50.	11.0	4.80
052E 881079 00	35	11	9	14	5	<	232	1	<	0.96	41	4.2	2.3	221	20	<	0.2	<1	10.0	<1	10.00	60.	6.1	<	50.	13.0	5.20
052E 881080 00	49	18	8	21	8	<	149	1	<	1.41	41	6.6	2.9	247	20	<	0.2	<1	10.0	1	10.00	60.	6.2	<	46.	10.0	4.00
052E 881082 10	135	39	29	40	13	<	400	2	<	3.33	87	18.6	3.3	390	46	<	0.3	2.	10.0	-	-	60.	6.2	<	46.	10.0	4.60
052E 881083 20	112	38	19	40	13	<	329	2	<	3.37	79	18.2	4.5	425	46	<	0.3	1.	10.0	-	-	60.	6.1	<	46.	10.5	4.20
052E 881084 00	101	35	15	37	14	<	503	2	<	2.99	82	13.0	4.0	390	37	<	0.2	<2	5.00	-	-	60.	6.2	<	46.	10.0	4.20
052E 881085 00	124	43	15	50	16	<	509	2	<	3.61	79	14.0	4.8	467	49	<	0.3	<2	5.00	-	-	60.	6.1	<	44.	9.5	4.20
052E 881086 00	114	46	22	45	13	<	310	2	<	3.46	70	23.2	4.5	470	47	<	0.3	1.	10.0	-	-	70.	6.2	<	44.	10.0	4.00
052E 881087 00	128	45	17	51	17	<	564	2	<	3.88	63	14.7	4.1	480	53	<	0.3	<4	2.50	-	-	50.	6.1	<	44.	9.5	4.00
052E 881088 00	106	46	13	45	15	<	420	2	<	3.40	67	14.1	4.2	450	46	<	0.2	<4	2.50	-	-	50.	6.1	<	43.	10.0	4.00
052E 881089 00	84	40	15	40	14	<	442	2	<	3.13	79	12.5	4.1	440	41	<	0.2	<2	5.00	-	-	50.	6.1	<	44.	9.0	4.20

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit	Age	Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn Easting	Northing			Area	Depth					
052E	881090	00	15	405386	5444381	AGM	02	>5	2	Lo	Ca	Gy	-
052E	881091	00	15	401877	5449170	AGM	02	>5	5	Lo	-	Gy	-
052E	881092	00	15	402184	5451470	AGM	02	>5	4	Lo	-	Gy	-
052E	881093	00	15	398350	5451858	AGM	02	>5	4	Lo	-	Gy	-
052E	881094	00	15	398426	5449730	AGM	02	>5	5	Lo	-	Gy	-
052E	881096	00	15	398968	5446923	AGM	02	>5	5	Lo	-	Gy	-
052E	881097	00	15	394302	5443871	AGM	02	>5	4	Lo	-	Gy	-
052E	881098	00	15	391685	5444577	AGM	02	>5	5	Lo	-	Gy	-
052E	881099	00	15	388243	5446216	AGM	02	>5	2	Lo	Ca	Gy	-
052E	881100	00	15	392605	5447102	AGM	02	>5	4	Lo	Ca	Gy	-
052E	881102	10	15	389649	5451533	AGM	02	>5	4	Lo	-	Gy	Lgt
052E	881103	20	15	389636	5451533	AGM	02	>5	4	Lo	-	Gy	Lgt
052E	881104	00	15	392149	5454879	AMVB	02	>5	5	Lo	-	Gy	-
052E	881105	00	15	389832	5457440	AMVB	02	>5	3	Lo	-	Br	-
052E	881106	00	15	395178	5455417	AMVB	02	>5	8	Lo	Ca	Gy	-
052E	881107	00	15	395797	5458651	AGM	02	.25-1	6	Lo	-	Br	-
052E	881108	00	15	398166	5457859	AGM	02	>5	4	Lo	Ca	Gy	-
052E	881109	00	15	401564	5458836	AGM	02	>5	11	Lo	Ca	Gy	-
052E	881110	00	15	401466	5457352	AGM	02	>5	6	Lo	-	Br	-
052E	881112	00	15	404630	5459272	AGM	02	>5	2	Lo	-	Gy	-
052E	881113	00	15	408611	5455511	AGM	02	>5	2	Lo	-	Br	-
052E	881114	00	15	408450	5458770	AGM	02	>5	2	Lo	-	Br	-
052E	881115	00	15	413187	5461053	AGM	02	.25-1	2	Lo	-	Br	-
052E	881116	00	15	415351	5459706	AGM	02	>5	4	Lo	-	Br	-
052E	881117	00	15	419476	5459681	AGM	02	>5	2	Lo	-	Br	-
052E	881118	00	15	423169	5465554	AGM	02	>5	15	Lo	Ca	Tn	-
052E	881119	00	15	425914	5469594	AMVB	02	>5	14	Lo	Ca	Br	-
052E	881120	00	15	426525	5467153	AMVB	02	>5	18	Lo	Ca	Br	-
052E	881122	10	15	425846	5464167	AMVB	02	.25-1	8	Lo	-	Br	-
052E	881123	20	15	425846	5464167	AMVB	02	.25-1	8	Lo	-	Br	-
052E	881124	00	15	422703	5460222	AGM	02	>5	11	Lo	-	Br	-
052E	881125	00	15	422272	5456909	AGM	02	>5	4	Lo	-	Br	-
052E	881126	00	15	418943	5456280	AGM	02	.25-1	10	Md	-	Br	-
052E	881127	00	15	418805	5452963	AGM	02	>5	10	Lo	-	Br	-
052E	881128	00	15	416064	5453474	AGM	02	>5	1	Lo	-	Br	Lgt
052E	881129	00	15	416710	5456314	AGM	02	1-5	4	Lo	-	Br	-
052E	881130	00	15	412953	5455972	AGM	02	>5	4	Lo	-	Br	-
052E	881131	00	15	407159	5453089	AGM	02	>5	6	Lo	Ca	Gy	-
052E	881132	00	15	404706	5453723	AGM	02	>5	6	Lo	Ca	Br	-
052E	881133	00	15	409107	5449593	AGM	02	>5	3	Lo	Ca	Gy	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	MADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS
052E 881090 00	42	17	7	18	7	< 211	1	<	<	1.43	79	14.3	4.5	345	34	<	0.2	4.	5.00	<2	5.00	60.	6.1	<	47.	9.5	4.00
052E 881091 00	91	30	13	39	16	< 516	2	<	<	2.79	76	9.6	4.6	380	40	<	0.2	2.	5.00	<2	5.00	50.	6.1	<	44.	9.5	4.60
052E 881092 00	114	39	18	42	14	< 328	2	<	<	3.33	82	16.8	5.2	460	46	<	0.3	2.	10.0	-	-	50.	6.0	<	47.	13.0	4.80
052E 881093 00	103	30	13	39	15	< 608	3	<	<	3.06	70	11.6	4.6	450	39	<	0.2	<2	5.00	-	-	60.	6.0	<	47.	13.0	4.60
052E 881094 00	103	36	15	41	14	< 554	2	<	<	3.15	92	15.9	5.0	415	38	<	0.2	<1	10.0	-	-	50.	6.1	<	46.	12.5	4.40
052E 881096 00	101	26	10	39	16	< 608	2	<	<	2.89	79	10.6	4.8	460	39	<	0.2	<1	10.0	-	-	50.	6.2	<	45.	13.0	4.60
052E 881097 00	81	26	12	36	13	< 622	2	<	<	2.55	76	10.2	4.5	380	32	<	0.3	<1	10.0	-	-	60.	6.2	<	45.	12.5	4.20
052E 881098 00	74	26	13	34	12	< 701	3	<	<	2.52	82	11.0	3.9	413	32	<	0.2	3.	10.0	1	10.00	50.	6.1	<	49.	13.5	4.60
052E 881099 00	71	30	12	31	11	< 468	2	<	<	2.20	86	11.2	4.3	332	28	<	0.2	<1	10.0	-	-	50.	6.1	<	50.	14.0	5.00
052E 881100 00	90	31	12	38	14	< 767	2	<	<	2.95	86	13.8	4.6	430	36	<	0.2	2.	10.0	-	-	50.	6.2	<	49.	13.0	4.60
052E 881102 10	97	34	14	40	15	< 731	3	<	<	3.10	86	14.0	4.8	355	37	<	0.2	2.	10.0	-	-	60.	6.1	<	47.	12.5	4.40
052E 881103 20	88	34	15	38	14	0.2 680	2	<	<	3.26	79	14.2	4.8	348	40	<	0.2	1.	10.0	-	-	60.	6.2	<	50.	14.0	4.80
052E 881104 00	68	22	11	28	12	< 432	2	<	<	2.22	53	9.2	4.0	277	29	<	0.2	1.	10.0	1	10.00	60.	6.3	<	49.	14.0	4.60
052E 881105 00	76	35	12	33	11	< 264	2	<	<	2.37	73	19.0	4.8	255	32	0.2 0.3	<1	10.0	-	-	60.	6.2	<	52.	14.0	4.80	
052E 881106 00	82	22	11	32	14	0.2 617	3	<	<	2.50	53	9.4	4.0	295	32	<	0.2	<1	10.0	1	10.00	60.	6.2	<	49.	13.0	4.60
052E 881107 00	127	27	4	25	13	< 144	1	<	<	1.52	50	43.8	4.9	135	24	0.2 0.2	<1	10.0	-	-	50.	5.7	<	9.	2.9	1.00	
052E 881108 00	100	32	15	33	13	< 284	2	<	<	2.92	66	15.6	4.3	330	35	<	0.3	<1	10.0	-	-	50.	6.2	<	45.	12.5	4.40
052E 881109 00	88	28	13	39	16	< 473	2	<	<	2.94	46	10.6	4.2	348	39	<	0.2	<1	10.0	-	-	50.	6.1	<	44.	13.0	4.40
052E 881110 00	114	41	19	42	13	< 372	4	<	<	3.42	66	27.5	4.5	339	51	0.2 0.3	1.	10.0	-	-	50.	6.2	<	51.	12.0	5.20	
052E 881112 00	105	41	15	39	12	< 247	2	<	<	3.02	53	17.8	5.1	352	38	<	0.2	2.	10.0	-	-	60.	6.1	<	46.	12.5	4.20
052E 881113 00	122	33	16	37	12	< 344	2	<	<	3.01	66	26.6	4.4	305	46	0.2 0.3	<1	10.0	-	-	60.	6.2	<	40.	11.0	3.80	
052E 881114 00	137	29	16	36	12	< 256	2	<	<	2.42	59	30.7	3.5	257	39	<	0.3	<1	10.0	-	-	70.	6.0	<	24.	6.3	2.60
052E 881115 00	67	24	17	24	7	< 137	2	<	<	1.83	46	22.2	2.6	247	28	<	0.3	<1	10.0	-	-	60.	6.1	<	36.	10.5	2.10
052E 881116 00	131	31	12	32	12	< 274	1	<	<	1.85	94	35.3	4.8	183	35	<	0.2	<1	10.0	-	-	60.	5.8	<	12.	3.5	2.10
052E 881117 00	94	35	16	34	10	< 191	1	<	<	2.39	46	27.1	2.5	323	38	<	0.3	1.	10.0	-	-	60.	6.0	<	33.	9.8	2.10
052E 881118 00	102	47	20	39	12	< 203	3	<	<	2.92	59	20.8	3.7	319	47	<	0.4	3.	10.0	<4	2.50	50.	6.1	<	37.	11.0	2.20
052E 881119 00	121	55	20	42	15	< 325	3	<	<	3.35	66	28.4	3.6	286	55	0.2 0.3	2.	10.0	-	-	50.	6.1	<	39.	12.0	2.20	
052E 881120 00	118	51	25	40	14	< 372	4	<	<	3.37	66	25.3	3.6	336	53	0.3 0.4	2.	10.0	-	-	50.	6.2	<	41.	13.0	2.10	
052E 881122 10	152	49	8	34	12	< 258	2	<	<	1.71	83	55.1	3.1	216	32	<	0.2	2.	10.0	-	-	60.	6.3	<	47.	16.0	2.00
052E 881123 20	105	42	18	41	12	< 253	1	<	<	2.99	79	53.2	2.7	206	43	<	0.3	1.	10.0	-	-	50.	6.3	<	46.	11.0	2.00
052E 881124 00	84	38	14	34	10	< 220	1	<	<	1.75	59	20.4	3.2	321	35	<	0.2	2.	10.0	-	-	50.	6.1	<	37.	11.0	2.20
052E 881125 00	118	36	11	34	13	< 259	1	<	<	2.24	49	41.4	2.5	257	40	<	0.2	1.	10.0	-	-	40.	6.1	<	35.	10.0	2.40
052E 881126 00	91	41	19	36	13	< 265	2	<	<	2.76	73	37.6	5.8	261	43	<	0.2	1.	10.0	-	-	40.	5.8	<	14.	3.4	1.80
052E 881127 00	106	31	13	32	10	< 151	1	<	<	1.65	59	23.8	3.9	331	34	<	0.3	5.	10.0	2	5.00	40.	6.1	<	37.	11.0	2.50
052E 881128 00	106	29	12	33	10	< 150	1	<	<	1.65	79	42.0	4.3	259	33	0.2 0.3	1.	10.0	-	-	40.	6.0	<	17.	5.6	2.40	
052E 881129 00	117	26	15	29	11	< 278	2	<	<	1.76	79	37.9	3.4	204	28	0.2 0.3	<1	10.0	-	-	40.	5.8	<	21.	6.0	23.00	
052E 881130 00	135	32	13	37	12	< 473	2	<	<	2.81	79	32.3	4.8	345	44	<	0.2	<1	10.0	-	-	40.	5.9	<	23.	6.2	23.00
052E 881131 00	113	33	15	41	16	< 402	2	<	<	3.34	76	12.6	4.8	475	46	<	0.3	2.	10.0	-	-	50.	6.2	<	43.	12.5	4.00
052E 881132 00	104	30	17	36	15	< 758	3	<	<	3.12	83	11.6	4.7	434	44	<	0.3	1.	10.0	-	-	50.	6.2	<	42.	12.5	4.40
052E 881133 00	76	29	13	35	12	< 479	3	<	<	2.81	59	12.6	4.0	390	36	<	0.3	1.	10.0	-	-	60.	6.2	<	43.	12.5	4.40

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl
			Zn	Eastng Northing	Unit Age	Area Depth						
052E	881134	00	15	413924 5451228	AGM 02	.25-1 5	Md	-	Br	Lgt		
052E	881135	00	15	415400 5448926	AMVB 02	1-5 14	Lo	-	Br	-		
052E	881136	00	15	418672 5449112	AMVB 02	1-5 3	Lo	-	Tn	-		
052E	881137	00	15	416987 5446363	AGM 02	>5 6	Lo	Ca	Gy	-		
052E	881138	00	15	419011 5446701	AGM 02	>5 3	Lo	Ca	Tn	-		
052E	881140	00	15	421056 5436139	AGM 02	>5 3	Lo	-	Tn	-		
052E	881142	10	15	425473 5433101	AGM 02	1-5 3	Lo	-	Br	-		
052E	881143	20	15	425473 5433101	AGM 02	1-5 3	Lo	-	Br	-		
052E	881144	00	15	426240 5437266	AGM 02	>5 4	Lo	Ca	Gy	-		
052E	881145	00	15	423286 5438409	AGM 02	>5 8	Lo	Ca	Tn	-		
052E	881146	00	15	424421 5440899	AGM 02	>5 4	Lo	Ca	Br	-		
052E	881147	00	15	423381 5443949	AGM 02	>5 2	Lo	-	Tn	-		
052E	881148	00	15	425871 5444876	AGM 02	>5 5	Lo	-	Tn	-		
052E	881149	00	15	426125 5447050	AGM 02	>5 3	Lo	-	Tn	-		
052E	881150	00	15	424140 5446762	AGM 02	>5 2	Lo	-	Tn	-		
052E	881151	00	15	423446 5450004	AMVB 02	1-5 6	Md	Ca	Tn	-		
052E	881152	00	15	426232 5450818	AMVF 02	1-5 11	Md	-	Br	-		
052E	881154	00	15	423846 5452156	AGM 02	1-5 7	Md	-	Br	-		
052E	881155	00	15	422317 5452662	AMVB 02	.25-1 4	Md	-	Br	-		
052E	881156	00	15	423881 5454498	AMVB 02	>5 4	Lo	Ca	Br	-		
052E	881157	00	15	426257 5455090	AMVB 02	.25-1 12	Md	WoCa	Br	-		
052E	881158	00	15	426755 5457818	AMVB 02	.25-1 10	Md	Wo	Br	-		
052E	881159	00	15	425361 5459738	AMVB 02	.25-1 12	Lo	Wo	Br	-		
052E	881160	00	15	426833 5460521	AMVB 02	.25-1 6	Lo	-	Br	-		
052E	881162	10	15	415689 5485923	AMVB 02	.25-1 2	Lo	-	Br	-		
052E	881163	20	15	415689 5485923	AMVB 02	.25-1 2	Lo	-	Br	-		
052E	881164	00	15	414699 5486783	ACSP 02	.25-1 7	Lo	-	Br	-		
052E	881165	00	15	412227 5489556	AGM 02	1-5 6	Lo	-	Br	-		
052E	881166	00	15	409413 5491954	AMVF 02	.25-1 6	Lo	-	Br	-		
052E	881168	00	15	408847 5494070	AMVB 02	>5 7	Lo	-	Tn	-		
052E	881169	00	15	407448 5497278	AMVB 02	.25-1 4	Lo	-	Br	-		
052E	881170	00	15	405593 5496735	AUB 02	.25-1 8	Md	-	Br	-		
052E	881171	00	15	406316 5498012	AMVB 02	.25-1 10	Lo	-	Br	-		
052E	881172	00	15	401698 5497365	AUB 02	>5 13	Md	-	Gy	-		
052E	881173	00	15	400177 5498353	AMVF 02	>5 5	Lo	-	Br	-		
052E	881174	00	15	400490 5500221	AMVB 02	>5 4	Lo	-	Gy	-		
052E	881175	00	15	400419 5501815	AMVB 02	>5 10	Lo	-	Gy	-		
052E	881176	00	15	399002 5506039	AMVB 02	>5 11	Lo	-	Br	-		
052E	881177	00	15	393899 5506923	AMVB 02	>5 13	Lo	-	Gy	-		
052E	881178	00	15	391063 5505258	AMVB 02	>5 17	Lo	-	Gy	-		

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	GRAV	MADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052E 881134 00	137	26	11	30	12	<	271	1	<	2.24	83	35.6	3.0	292	39	<	0.2	<1	10.0	-	-	50.	5.9	<	10.	3.4	2.10
052E 881135 00	128	59	18	37	14	<	370	2	<	2.23	69	37.5	3.2	337	41	0.2	0.3	1.	10.0	-	-	50.	6.0	<	32.	7.5	2.10
052E 881136 00	83	59	11	44	12	<	144	2	<	1.76	53	38.9	4.1	237	36	<	0.2	<1	10.0	-	-	50.	6.1	<	39.	11.0	3.40
052E 881137 00	130	45	21	49	17	<	511	3	<	4.36	73	16.7	5.4	574	60	<	0.3	2.	10.0	-	-	70.	6.1	<	44.	11.5	4.00
052E 881138 00	111	47	14	47	14	<	311	2	<	3.44	66	19.0	4.7	381	52	<	0.2	1.	10.0	-	-	60.	6.2	<	46.	12.0	4.00
052E 881140 00	129	26	13	41	17	<	463	2	<	3.27	63	16.6	4.4	465	45	<	0.2	<1	10.0	-	-	70.	6.1	<	56.	14.0	5.80
052E 881142 10	99	35	12	37	15	<	329	2	<	2.80	69	19.2	3.2	304	40	<	0.2	2.	10.0	-	-	60.	6.0	<	36.	10.5	3.20
052E 881143 20	90	35	12	39	14	<	320	2	<	2.91	66	18.8	3.3	291	41	<	0.2	1.	10.0	-	-	60.	6.0	<	35.	10.0	3.10
052E 881144 00	46	11	8	18	9	<	223	1	<	1.26	36	3.8	2.0	184	15	<	0.2	<1	10.0	<1	10.00	60.	6.1	<	38.	10.5	3.20
052E 881145 00	77	29	13	34	18	0.2	938	3	<	3.21	66	12.4	3.1	381	36	<	0.3	1.	10.0	-	-	40.	6.1	<	41.	11.0	3.50
052E 881146 00	77	36	12	32	12	<	274	2	<	2.34	70	20.2	3.5	379	33	<	0.3	1.	10.0	-	-	50.	6.1	<	36.	10.0	3.10
052E 881147 00	110	46	14	43	13	<	216	2	<	2.80	53	26.9	5.1	361	49	<	0.2	2.	10.0	-	-	50.	6.1	<	40.	10.0	3.90
052E 881148 00	104	46	16	47	15	<	242	2	<	3.40	56	21.8	4.7	364	56	<	0.2	1.	10.0	-	-	50.	6.1	<	42.	11.0	3.90
052E 881149 00	97	49	12	45	14	<	192	2	<	2.69	47	27.7	4.0	391	48	<	0.3	1.	10.0	-	-	50.	6.0	<	39.	12.0	4.60
052E 881150 00	99	43	19	44	12	0.3	194	2	<	2.85	53	25.3	4.1	345	48	<	0.4	2.	10.0	<4	2.50	50.	6.1	<	42.	11.0	4.40
052E 881151 00	99	55	7	59	12	<	163	1	2	1.29	50	48.9	2.7	204	30	<	0.2	4.	10.0	2	5.00	40.	6.2	<	46.	13.5	3.20
052E 881152 00	101	45	10	46	15	<	415	1	<	3.46	63	19.8	3.1	281	41	<	0.2	2.	10.0	-	-	40.	6.2	<	48.	13.0	3.10
052E 881154 00	100	51	13	35	13	<	480	2	<	2.83	63	27.7	5.1	316	43	<	0.3	2.	10.0	-	-	50.	6.1	<	33.	11.0	1.60
052E 881155 00	143	100	5	21	12	<	522	<	2	1.59	92	55.8	2.5	79	40	<	<	5.	10.0	<5	2.00	50.	5.8	<	15.	5.2	1.00
052E 881156 00	47	15	7	15	7	<	187	1	<	1.30	26	10.8	1.9	157	16	<	0.2	3.	10.0	<1	10.00	50.	6.0	<	41.	12.0	2.70
052E 881157 00	114	89	19	23	8	<	894	1	2	1.51	117	56.5	2.3	97	25	0.4	0.2	6.	10.0	<4	2.50	40.	6.3	<	63.	26.0	1.60
052E 881158 00	100	62	7	15	10	0.2	238	<	<	1.12	53	60.6	2.4	102	21	0.3	<	2.	10.0	-	-	40.	6.6	<	74.	27.0	1.00
052E 881159 00	117	67	6	21	10	0.2	194	1	<	1.47	69	62.7	2.2	105	36	0.2	0.2	1.	10.0	-	-	40.	6.4	<	64.	22.5	1.00
052E 881160 00	102	44	4	20	11	<	286	<	<	1.03	69	61.2	1.8	76	19	0.2	0.2	2.	10.0	-	-	40.	6.2	<	48.	18.0	1.10
052E 881162 10	85	53	6	27	10	<	127	<	<	1.45	53	63.5	2.7	113	21	<	0.2	1.	10.0	-	-	40.	6.1	<	53.	19.0	1.40
052E 881163 20	92	52	7	26	9	<	127	<	<	1.30	56	63.2	2.5	120	17	0.2	0.2	1.	10.0	-	-	40.	6.1	<	54.	19.5	1.40
052E 881164 00	144	39	11	40	17	<	451	1	<	2.21	120	38.3	3.5	238	24	0.4	0.2	2.	10.0	-	-	40.	6.0	<	29.	10.0	1.50
052E 881165 00	101	24	8	17	9	<	259	<	<	1.57	46	44.8	7.4	201	22	0.2	0.2	2.	10.0	-	-	60.	5.8	<	14.	3.9	1.10
052E 881166 00	135	29	16	28	12	<	346	1	<	2.12	109	34.3	7.7	250	34	0.4	0.2	2.	10.0	-	-	60.	5.8	<	12.	4.4	1.10
052E 881168 00	106	55	18	44	11	<	256	2	<	3.13	76	20.4	5.3	332	46	<	0.3	6.	10.0	3	10.00	60.	6.3	<	54.	14.0	4.60
052E 881169 00	112	85	5	36	7	<	132	3	<	1.03	56	74.1	2.1	79	16	<	0.2	2.	10.0	-	-	50.	6.2	<	49.	18.5	1.30
052E 881170 00	104	54	9	37	12	<	310	6	<	1.65	79	57.2	3.1	219	32	<	0.2	1.	10.0	-	-	40.	6.6	<	92.	29.0	3.10
052E 881171 00	118	79	8	17	7	<	506	5	<	1.38	101	60.5	1.3	74	22	0.2	0.2	2.	10.0	-	-	40.	6.2	<	41.	17.0	1.00
052E 881172 00	115	48	14	39	14	<	440	3	<	3.66	58	17.0	5.7	422	53	<	0.2	3.	10.0	<2	5.00	50.	6.1	0.07	53.	14.0	4.80
052E 881173 00	85	52	10	37	10	<	294	3	<	2.48	29	19.4	4.7	335	41	<	0.2	1.	10.0	-	-	70.	6.1	<	52.	14.0	4.80
052E 881174 00	116	55	14	43	13	<	350	3	<	3.18	61	18.6	5.8	339	52	<	0.3	2.	10.0	-	-	70.	6.2	0.06	52.	14.0	4.60
052E 881175 00	66	37	8	34	11	0.2	493	4	<	2.09	40	6.4	4.4	352	39	<	0.3	2.	10.0	<1	10.00	60.	6.2	0.06	52.	14.0	4.60
052E 881176 00	90	43	12	36	11	<	512	4	<	2.70	86	11.8	5.2	336	39	<	0.3	39.	10.0	31	10.00	60.	6.2	<	51.	13.5	4.60
052E 881177 00	130	45	17	39	15	<	670	4	<	3.77	60	16.7	6.2	429	60	<	0.3	3.	10.0	2	10.00	60.	6.2	0.07	52.	14.0	4.60
052E 881178 00	152	37	23	41	15	<	737	4	<	3.96	68	16.4	5.3	375	58	0.2	0.3	4.	10.0	<4	2.50	60.	6.1	<	51.	14.0	4.80

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit	Age	Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn Easting	Northing			Area	Depth					
052E	881179	00	15	388808	5505178	AMVB	02	>5	30	Lo	-	Bk	-
052E	881180	00	15	386900	5505753	AMVF	02	>5	10	Lo	-	Br	-
052E	881182	00	15	386017	5507411	AMVF	02	>5	3	Lo	-	Br	-
052E	881183	00	15	383570	5505937	ACSP	02	>5	16	Lo	-	Tn	-
052E	881184	10	15	383285	5508544	ACSP	02	.25-1	7	Lo	-	Tn	-
052E	881185	20	15	383285	5508544	ACSP	02	.25-1	7	Lo	-	Tn	-
052E	881187	00	15	384371	5509842	AMVF	02	1-5	11	Lo	-	Br	-
052E	881188	00	15	387986	5510491	AMVB	02	>5	11	Lo	-	Gy	-
052E	881189	00	15	391237	5508436	AMVB	02	>5	4	Lo	-	Gy	-
052E	881190	00	15	398857	5510364	AMVB	02	.25-1	4	Lo	-	Br	-
052E	881191	00	15	401217	5512372	AMVB	02	.25-1	6	Lo	-	Br	-
052E	881192	00	15	399606	5509934	AMVB	02	.25-1	5	Lo	-	Br	Lgt
052E	881193	00	15	400069	5507794	AMVB	02	>5	2	Lo	-	Br	-
052E	881194	00	15	401931	5508794	AMVB	02	>5	11	Md	-	Gy	-
052E	881195	00	15	401771	5506987	AMVB	02	.25-1	7	Md	-	Br	-
052E	881196	00	15	403587	5505760	AGM	02	>5	13	Md	-	Tn	-
052E	881197	00	15	405951	5502499	AGM	02	>5	8	Md	-	Gy	-
052E	881198	00	15	409506	5502509	AGM	02	>5	6	Md	-	Gy	-
052E	881199	00	15	412573	5505585	AGM	02	>5	25	Md	-	Tn	-
052E	881200	00	15	411467	5506764	AGM	02	.25-1	3	Md	-	Br	-
052E	881202	00	15	409599	5505345	AGM	02	.25-1	15	Md	-	Tn	-
052E	881203	00	15	405785	5507955	AGM	02	1-5	9	Lo	WoCa	Gy	-
052E	881204	10	15	406777	5510688	AGY	02	.25-1	5	Md	-	Br	Lgt
052E	881205	20	15	406777	5510688	AGY	02	.25-1	5	Md	-	Br	Lgt
052E	881206	00	15	403262	5512493	AGY	02	.25-1	5	Lo	WoCa	Br	-
052E	881208	00	15	405472	5513374	AGY	02	.25-1	10	Lo	-	Br	Lgt
052E	881209	00	15	407566	5516751	AGY	02	.25-1	5	Md	-	Br	-
052E	881210	00	15	408319	5521754	AGM	02	1-5	11	Lo	Ca	Br	-
052E	881211	00	15	405996	5523015	AGM	02	.25-1	5	Md	-	Br	-
052E	881212	00	15	404681	5523853	AGM	02	1-5	9	Md	-	Br	-
052E	881213	00	15	407006	5528243	AGM	02	.25-1	2	Md	-	Br	Lgt
052E	881214	00	15	407979	5526235	AGM	02	.25-1	2	Md	-	Br	-
052E	881215	00	15	410537	5528348	AGM	02	1-5	17	Md	-	Br	-
052E	881216	00	15	409455	5524720	AGM	02	1-5	16	Md	-	Br	-
052E	881217	00	15	411581	5523812	AGM	02	.25-1	10	Md	-	Br	-
052E	881218	00	15	412294	5522252	AGY	02	1-5	8	Md	-	Gy	-
052E	881219	00	15	412513	5518237	AGM	02	.25-1	5	Md	Wo	Br	-
052E	881220	00	15	412394	5514050	AGM	02	1-5	9	Md	-	Br	-
052E	881222	10	15	408244	5513268	AGY	02	1-5	5	Md	-	Br	-
052E	881223	20	15	408244	5513268	AGY	02	1-5	5	Md	-	Br	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS
052E 881179 00	113	40	23	39	13	< 1824	14	<	<	4.40	68	17.4	3.8	311	57	<	0.5	2.	10.0	-	-	60.	6.2	0.06	53.	14.0	4.40
052E 881180 00	125	37	5	33	10	< 101	2	2	2	0.84	83	54.8	2.8	195	21	0.2	0.2	1.	10.0	-	-	80.	6.2	<	49.	13.5	4.60
052E 881182 00	74	45	7	36	9	< 200	4	<	<	1.47	40	40.2	3.8	222	35	<	0.2	3.	10.0	<2	5.00	80.	6.1	<	52.	13.5	4.60
052E 881183 00	110	48	20	35	11	< 186	6	<	<	2.46	65	23.4	4.0	290	52	<	0.3	3.	10.0	3	10.00	70.	6.3	<	54.	14.5	4.80
052E 881184 10	109	24	5	28	10	0.2	466	2	<	2.17	54	48.0	2.1	153	30	<	0.2	1.	10.0	-	-	70.	6.1	<	32.	14.5	2.80
052E 881185 20	92	24	5	28	11	< 480	2	<	<	1.35	54	49.0	2.2	150	29	<	0.2	<1	10.0	-	-	70.	6.1	<	34.	14.5	2.80
052E 881187 00	135	20	7	21	8	< 270	4	<	<	1.56	50	52.7	2.7	143	23	<	0.2	4.	10.0	<2	5.00	60.	6.1	<	35.	11.0	1.40
052E 881188 00	107	40	17	36	13	< 649	4	<	<	3.34	68	16.1	5.1	434	47	<	0.3	2.	10.0	-	-	70.	6.2	<	52.	14.5	4.80
052E 881189 00	86	47	11	33	11	< 310	3	<	<	2.34	68	16.2	4.1	339	41	<	0.2	3.	10.0	6	10.00	60.	6.2	<	53.	14.0	4.60
052E 881190 00	109	70	4	16	10	< 292	<	<	<	1.14	83	66.2	4.7	83	28	0.2	0.2	3.	10.0	8	2.50	70.	6.1	<	39.	14.5	1.40
052E 881191 00	85	20	9	15	9	< 364	1	<	<	2.18	72	18.6	4.6	275	31	<	0.2	4.	10.0	3	5.00	80.	5.9	<	26.	9.0	2.10
052E 881192 00	96	43	4	20	8	< 169	<	<	<	1.01	127	50.6	4.1	143	27	0.3	0.2	4.	10.0	3	5.00	60.	6.0	<	17.	11.0	1.90
052E 881193 00	85	48	7	31	6	< 95	2	<	<	0.91	76	49.2	3.6	155	25	<	0.2	4.	10.0	10	5.00	60.	6.2	<	50.	13.5	4.80
052E 881194 00	117	65	20	38	11	< 214	3	<	<	2.81	83	20.1	5.5	403	45	0.3	0.3	3.	10.0	5	10.00	60.	6.3	<	52.	14.0	4.60
052E 881195 00	111	65	4	18	8	< 389	<	<	<	1.96	65	61.9	2.6	123	31	<	0.2	2.	10.0	-	-	50.	6.4	<	69.	24.5	1.50
052E 881196 00	130	43	10	40	14	< 581	3	<	<	3.46	83	20.6	5.0	405	49	0.2	0.3	3.	10.0	3	10.00	60.	6.0	<	26.	7.3	3.00
052E 881197 00	109	42	13	34	12	< 319	3	<	<	2.96	86	15.9	5.2	339	38	<	0.2	3.	10.0	3	10.00	60.	6.2	<	51.	13.5	4.60
052E 881198 00	111	31	14	33	11	< 307	1	<	<	2.75	83	22.3	4.7	294	40	<	0.3	1.	10.0	-	-	50.	5.8	<	16.	4.7	1.60
052E 881199 00	116	33	22	29	10	< 282	3	<	<	2.85	83	17.0	5.9	396	41	0.3	0.3	3.	10.0	2	10.00	50.	5.7	<	12.	3.4	1.20
052E 881200 00	126	17	8	13	7	< 158	1	<	<	1.11	140	66.3	6.1	90	21	0.4	0.2	1.	10.0	-	-	50.	5.4	<	4.	1.8	0.80
052E 881202 00	134	29	9	32	12	< 588	2	2	2	2.48	88	29.0	4.6	225	41	0.4	0.2	1.	10.0	-	-	50.	5.8	<	18.	6.3	2.40
052E 881203 00	79	43	11	39	15	< 618	4	<	<	2.58	25	9.0	3.5	387	44	0.2	0.3	1.	10.0	<2	5.00	60.	6.0	<	26.	7.5	3.00
052E 881204 10	108	37	8	26	13	< 257	1	<	<	1.37	138	37.9	3.6	154	36	0.4	0.2	2.	10.0	-	-	50.	5.5	<	8.	3.4	1.30
052E 881205 20	100	38	8	25	13	< 250	1	<	<	1.44	132	38.8	3.6	178	34	0.5	0.3	2.	10.0	-	-	50.	5.7	<	8.	3.5	1.30
052E 881206 00	87	27	2	28	10	< 239	1	<	<	1.72	83	35.3	5.3	198	32	0.3	0.3	2.	10.0	-	-	50.	5.9	<	23.	8.6	1.60
052E 881208 00	92	29	11	14	6	< 170	2	<	<	1.13	171	48.6	3.6	78	28	0.4	0.3	2.	10.0	-	-	60.	5.8	<	7.	3.4	1.10
052E 881209 00	131	40	10	38	17	< 568	1	<	<	2.24	108	31.1	6.2	92	43	0.4	0.3	3.	10.0	<2	5.00	50.	5.6	<	8.	2.3	1.20
052E 881210 00	129	46	16	39	11	< 342	2	<	<	2.48	71	24.2	7.2	334	50	0.5	0.3	2.	10.0	-	-	50.	5.7	<	17.	4.7	1.30
052E 881211 00	113	33	11	16	7	< 456	1	<	<	2.32	66	57.1	6.5	171	20	0.5	0.3	<1	10.0	-	-	90.	5.9	<	24.	6.3	1.40
052E 881212 00	134	33	11	34	10	< 571	2	<	<	1.94	99	43.2	5.8	231	36	0.5	0.3	2.	10.0	-	-	70.	6.0	<	30.	7.0	2.60
052E 881213 00	110	27	7	34	11	< 218	1	<	<	2.58	77	25.1	5.0	303	40	0.2	0.3	1.	10.0	-	-	60.	5.8	<	13.	3.5	1.30
052E 881214 00	233	20	2	20	10	< 208	1	2	2	1.66	55	53.7	8.9	118	27	0.3	0.2	<1	10.0	-	-	60.	5.7	0.07	17.	5.3	1.40
052E 881215 00	125	45	14	25	10	< 589	2	2	2	2.14	132	33.7	8.3	195	44	0.6	0.3	2.	10.0	-	-	60.	5.6	<	9.	3.2	1.00
052E 881216 00	123	45	14	41	14	< 805	3	<	<	3.20	55	20.0	16.5	397	48	0.3	0.3	<1	10.0	-	-	70.	5.9	<	26.	7.4	1.40
052E 881217 00	105	31	3	24	9	< 523	1	2	2	1.64	61	48.4	9.6	227	30	0.4	0.2	1.	10.0	-	-	90.	6.1	0.05	35.	10.0	2.30
052E 881218 00	128	37	18	35	10	< 201	2	<	<	2.30	51	22.1	5.4	323	37	0.6	0.2	2.	10.0	-	-	80.	5.7	<	14.	4.0	1.20
052E 881219 00	108	24	13	32	12	< 273	1	<	<	2.74	102	23.4	4.2	284	41	0.2	0.2	1.	10.0	-	-	60.	5.7	<	11.	3.0	1.40
052E 881220 00	105	28	10	31	13	< 582	2	<	<	3.02	72	21.2	7.5	297	41	0.4	<	1.	10.0	-	-	60.	5.7	<	13.	3.6	1.30
052E 881222 10	132	33	12	35	15	< 498	2	<	<	2.21	113	34.0	5.4	235	42	0.5	0.2	2.	10.0	-	-	50.	5.7	<	9.	3.0	1.10
052E 881223 20	134	33	11	36	15	< 447	1	<	<	2.05	94	33.0	4.9	242	42	0.5	0.2	1.	10.0	-	-	60.	5.6	<	9.	3.0	1.20

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn	Easting	Northing	Unit	Age	Area					Depth
052E	881224	00	15	408632	5511168	AGY	02	.25-1	5	Md	-	Br	-
052E	881225	00	15	410567	5510262	AGY	02	.25-1	5	Md	-	Br	-
052E	881226	00	15	416071	5510750	AGY	02	>5	14	Md	Ca	Gy	-
052E	881227	00	15	416835	5506212	AGM	02	>5	3	Md	-	Tn	-
052E	881228	00	15	415679	5502764	AGM	02	.25-1	5	Md	-	Br	Lgt
052E	881229	00	15	414583	5499892	AGM	02	.25-1	4	Md	-	Br	-
052E	881230	00	15	411388	5500563	AGM	02	1-5	4	Md	-	Br	-
052E	881231	00	15	408835	5500475	AGM	02	pond	3	Lo	-	Br	-
052E	881232	00	15	407971	5499199	AGM	02	.25-1	21	Md	-	Br	-
052E	881233	00	15	409620	5498235	AGM	02	1-5	6	Md	-	Br	-
052E	881235	00	15	411106	5499126	AGM	02	.25-1	6	Md	-	Br	-
052E	881236	00	15	411916	5496378	AGM	02	.25-1	21	Md	-	Br	-
052E	881237	00	15	410032	5495194	AMVB	02	1-5	10	Md	-	Br	-
052E	881238	00	15	413030	5493644	AMVB	02	.25-1	6	Md	-	Br	-
052E	881239	00	15	414860	5489903	ACSP	02	.25-1	6	Md	-	Br	-
052E	881240	00	15	416168	5489090	AGM	02	.25-1	2	Md	-	Br	-
052E	881242	10	15	418959	5486794	AMVB	02	.25-1	3	Md	-	Br	-
052E	881243	20	15	418959	5486794	AMVB	02	.25-1	3	Md	-	Br	-
052E	883002	00	15	414634	5472564	AGM	02	pond	4	Md	-	Br	Lgt
052E	883003	00	15	411577	5473589	AGM	02	pond	1	Md	-	Gy	Lgt
052E	883004	10	15	406569	5474001	AGM	02	>5	2	Md	-	Br	Lgt
052E	883005	20	15	406569	5474001	AGM	02	>5	2	Md	-	Br	Lgt
052E	883006	00	15	405121	5475667	AGM	02	1-5	5	Md	-	Br	Lgt
052E	883007	00	15	401315	5476284	AGM	02	.25-1	5	Md	-	Br	Lgt
052E	883008	00	15	399146	5475536	AGM	02	.25-1	4	Md	-	Br	Lgt
052E	883009	00	15	394245	5478486	AGM	02	1-5	5	Md	-	Br	Lgt
052E	883010	00	15	391031	5477887	AGM	02	.25-1	3	Md	-	Gn	Lgt
052E	883011	00	15	386917	5476153	AGM	02	.25-1	3	Md	-	Br	Lgt
052E	883012	00	15	381643	5474900	AGY	02	1-5	4	Md	-	Br	Lgt
052E	883013	00	15	378889	5473698	AGY	02	.25-1	4	Lo	-	Br	Lgt
052E	883014	00	15	370734	5476786	AMVF	02	>5	1	Lo	-	Br	Lgt
052E	883016	00	15	364924	5478373	AMVB	02	>5	1	Md	Ca	Gy	Lgt
052E	883018	00	15	359046	5477891	AMVF	02	>5	1	Lo	-	Br	Lgt
052E	883019	00	15	354360	5476128	AMVB	02	.25-1	1	Lo	-	Br	Lgt
052E	883020	00	15	349721	5470625	AGM	02	>5	1	Lo	Ca	Br	Lgt
052E	883022	00	15	343987	5471728	AMVB	02	pond	2	Lo	-	Br	Lgt
052E	883023	00	15	345756	5493429	AGM	02	>5	5	Lo	Ca	Br	Lgt
052E	883025	00	15	345196	5498027	AMVB	02	>5	1	Lo	Ca	Br	Lgt
052E	883026	10	15	345821	5501610	AMVF	02	>5	1	Lo	Ca	Br	Lgt
052E	883027	20	15	345821	5501610	AMVF	02	>5	1	Lo	Ca	Br	Lgt

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data, Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052E 881224 00	144	61	8	24	16	<	523	1	2	1.79	116	54.0	2.1	98	36	0.4	0.2	1.	10.0	-	-	50.	5.6	<	7.	2.3	1.00
052E 881225 00	87	36	5	32	16	<	207	1	<	1.65	97	35.0	3.8	202	45	0.2	0.2	1.	10.0	-	-	50.	5.6	<	10.	3.0	1.20
052E 881226 00	149	39	13	39	17	<	686	4	<	3.14	39	16.6	7.8	326	58	0.3	0.2	1.	10.0	-	-	50.	5.7	<	11.	3.5	1.20
052E 881227 00	113	34	12	42	10	<	212	1	<	2.43	50	29.5	5.7	262	38	0.4	0.2	1.	10.0	-	-	50.	5.7	<	11.	3.5	1.30
052E 881228 00	102	21	10	23	7	<	228	1	<	1.62	99	54.5	4.9	140	28	0.4	0.2	1.	10.0	-	-	50.	5.8	<	12.	3.7	1.30
052E 881229 00	117	30	11	42	13	<	365	1	<	2.68	86	26.3	4.1	327	47	0.4	<	<1	10.0	-	-	50.	5.8	<	13.	5.3	2.30
052E 881230 00	147	38	14	44	14	<	402	2	<	3.20	99	30.3	4.8	316	50	0.4	0.2	3.	10.0	<4	2.50	50.	5.9	<	24.	6.8	2.30
052E 881231 00	150	28	4	33	10	<	176	1	<	1.31	97	50.7	3.0	151	26	0.4	<	<1	10.0	-	-	50.	6.0	<	27.	8.5	1.90
052E 881232 00	159	71	16	38	11	<	530	2	<	2.10	110	32.7	4.3	305	50	0.6	0.2	2.	10.0	-	-	50.	6.1	<	38.	13.0	1.70
052E 881233 00	143	52	10	55	15	<	454	2	<	1.88	105	37.5	4.3	388	47	0.6	0.2	3.	10.0	2	5.00	50.	6.1	<	37.	11.5	3.00
052E 881235 00	137	40	12	41	13	<	283	1	<	3.24	80	24.3	4.0	336	48	0.3	0.2	<1	10.0	-	-	50.	5.8	<	36.	10.0	3.10
052E 881236 00	108	94	10	55	16	<	875	2	<	3.52	77	24.2	3.6	304	55	<	0.2	2.	10.0	-	-	40.	6.0	<	40.	12.0	2.30
052E 881237 00	149	64	20	50	13	<	411	3	<	1.99	91	42.6	2.8	252	40	0.9	0.2	2.	10.0	-	-	40.	6.3	<	68.	21.0	2.20
052E 881238 00	112	40	12	30	12	<	618	1	<	2.49	77	28.3	3.1	269	39	0.2	0.2	2.	10.0	-	-	40.	6.2	<	56.	19.0	1.40
052E 881239 00	111	84	13	39	12	<	530	2	<	1.56	140	39.8	4.7	227	35	0.4	0.2	4.	10.0	4	5.00	50.	6.0	<	22.	8.2	1.50
052E 881240 00	122	20	4	23	9	<	208	<	2	0.99	44	56.9	6.2	112	21	0.4	0.2	2.	10.0	-	-	80.	5.7	<	17.	5.7	1.10
052E 881242 10	110	27	7	29	11	<	559	1	<	2.28	61	28.5	6.6	207	35	0.3	0.2	2.	10.0	-	-	50.	5.7	<	13.	4.4	1.50
052E 881243 20	89	28	6	25	10	<	554	1	<	2.22	50	29.8	6.1	181	36	<	0.2	2.	10.0	-	-	50.	5.7	<	13.	4.3	1.50
052E 883002 00	161	37	3	10	4	0.3	148	<	2	1.13	94	64.5	3.7	65	32	0.5	<	1.	10.0	-	-	50.	5.3	<	4.	2.2	0.76
052E 883003 00	101	31	12	27	10	<	185	1	<5	2.37	36	15.4	4.4	340	41	<	0.2	<1	10.0	-	-	60.	5.6	<	11.	2.3	1.44
052E 883004 10	119	41	20	38	13	<	268	2	<5	2.84	50	27.3	3.3	335	46	0.5	0.3	2.	10.0	-	-	60.	5.9	<	39.	10.5	2.20
052E 883005 20	111	36	13	37	12	<	235	1	<5	2.48	41	32.5	3.1	264	39	0.3	0.2	1.	10.0	-	-	50.	6.0	<	39.	10.5	2.12
052E 883006 00	56	16	10	19	6	<	273	1	<	1.57	33	17.2	2.5	186	21	0.2	0.2	<1	10.0	-	-	50.	5.7	<	20.	4.6	1.40
052E 883007 00	117	17	12	28	10	<	317	1	<	1.77	116	39.4	2.8	222	28	0.7	0.2	<1	10.0	-	-	50.	5.7	<	12.	4.4	1.44
052E 883008 00	142	20	10	31	11	<	307	1	<	2.11	102	32.0	3.4	251	24	0.5	0.2	2.	10.0	-	-	50.	5.6	<	12.	3.5	1.48
052E 883009 00	154	24	18	37	13	<	339	2	<	2.68	123	28.5	3.6	342	34	0.4	0.2	1.	10.0	-	-	60.	5.6	<	8.	2.8	1.04
052E 883010 00	101	27	6	31	12	<	222	1	<	1.44	82	43.4	4.5	205	34	0.3	0.2	<1	10.0	-	-	60.	5.5	<	9.	2.8	1.00
052E 883011 00	102	26	12	28	10	<	234	1	<	1.06	67	40.9	3.3	144	24	0.5	0.2	1.	10.0	-	-	50.	5.5	<	11.	2.8	1.08
052E 883012 00	135	53	9	42	12	<	346	1	<	1.96	70	36.9	4.0	252	35	0.3	0.2	10.	10.0	6	2.50	40.	5.7	<	17.	4.7	1.40
052E 883013 00	134	21	6	38	13	<	251	1	<	1.34	99	49.0	2.2	151	22	0.5	0.2	1.	10.0	-	-	50.	5.9	<	25.	7.0	2.20
052E 883014 00	107	40	16	36	10	<	199	2	<	2.66	44	18.5	4.2	360	45	0.3	0.3	2.	10.0	-	-	50.	6.1	<	57.	14.0	5.60
052E 883016 00	76	38	16	34	10	<	395	2	<	2.13	53	15.8	3.9	320	31	0.4	0.2	2.	10.0	-	-	80.	6.1	<	61.	15.0	5.20
052E 883018 00	75	33	7	27	6	<	229	2	<	1.19	32	50.5	4.7	243	24	0.3	0.2	<1	10.0	-	-	100.	6.3	<	60.	15.0	5.20
052E 883019 00	77	16	<	21	5	<	230	<	<	0.46	41	61.6	1.4	58	10	0.2	<	<1	10.0	-	-	70.	6.0	<	31.	10.0	2.92
052E 883020 00	90	17	11	18	5	<	229	2	<	1.09	73	57.1	3.4	199	15	0.5	0.3	<1	10.0	-	-	60.	6.3	<	78.	19.0	6.80
052E 883022 00	59	10	8	13	4	<	170	1	<	0.75	35	21.7	2.2	268	16	0.2	0.3	<1	10.0	-	-	70.	6.4	<	78.	22.0	7.20
052E 883023 00	60	18	13	19	6	<	367	3	<	1.20	38	19.9	2.7	286	25	0.2	0.3	4.	10.0	<2	5.00	60.	6.5	<	83.	21.0	6.20
052E 883025 00	31	2	<	3	<	<	124	1	2	0.47	26	82.8	1.1	46	9	<	0.2	<1	10.0	-	-	60.	6.3	<	71.	17.0	6.00
052E 883026 10	83	18	10	23	6	<	142	3	<	1.26	41	49.9	1.9	221	18	0.3	0.3	<1	10.0	-	-	60.	6.3	<	70.	16.5	6.00
052E 883027 20	76	17	10	23	6	<	142	3	<	1.21	41	50.2	1.9	228	15	0.3	0.3	1.	10.0	-	-	60.	6.2	<	71.	16.5	6.00

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn Easting	Northing	Unit	Age	Area	Depth					
052E	883028	00	15	349374	5509237	AMVB	02	.25-1	4	Lo	-	Br	Lgt
052E	883029	00	15	348043	5511054	AMVF	02	.25-1	4	Lo	Ca	Br	Lgt
052E	883030	00	15	345070	5512159	AMVB	02	.25-1	19	Lo	-	Br	Lgt
052E	883031	00	15	347985	5514844	AMVB	02	pond	2	Lo	-	Tn	Hvy
052E	883032	00	15	348169	5516587	AGM	02	1-5	16	Lo	Ca	Br	Lgt
052E	883033	00	15	347262	5519584	AGM	02	.25-1	6	Lo	-	Br	-
052E	883034	00	15	349914	5521233	AGM	02	.25-1	8	Lo	Go	Br	Lgt
052E	883035	00	15	350419	5515918	AGM	02	1-5	4	Lo	Ca	Br	Lgt
052E	883036	00	15	352456	5513278	AGM	02	1-5	6	Lo	Ca	Br	Lgt
052E	883037	00	15	353104	5510774	AMVF	02	1-5	5	Lo	Ca	Br	-
052E	883038	00	15	355043	5509703	AMVF	02	1-5	2	Lo	Ca	Br	Lgt
052E	883039	00	15	361126	5509814	AGM	02	.25-1	5	Md	-	Br	Lgt
052E	883040	00	15	362193	5508198	AMVF	02	1-5	11	Md	Ca	Br	Lgt
052E	883042	00	15	358422	5506827	AMVF	02	1-5	9	Lo	Ca	Br	Lgt
052E	883043	00	15	359674	5505215	AMVF	02	1-5	2	Lo	-	Br	Lgt
052E	883044	00	15	357999	5504409	AMVF	02	pond	3	Lo	-	Br	Lgt
052E	883045	00	15	358391	5503076	AMVF	02	.25-1	2	Lo	-	Br	Lgt
052E	883046	00	15	354944	5503052	AMVB	02	>5	9	Lo	-	Gn	Lgt
052E	883047	10	15	354982	5506461	AMVB	02	1-5	2	Lo	-	Br	Lgt
052E	883048	20	15	354982	5506461	AMVB	02	1-5	2	Lo	-	Br	Lgt
052E	883049	00	15	350890	5506142	ACSP	02	pond	3	Lo	-	Br	Lgt
052E	883050	00	15	352057	5503122	AMVF	02	>5	8	Lo	-	Br	Lgt
052E	883051	00	15	349238	5500041	AMVB	02	>5	3	Lo	-	Br	Lgt
052E	883052	00	15	350595	5495254	AMVB	02	>5	6	Lo	-	Gy	Lgt
052E	883053	00	15	351830	5498478	AMVB	02	>5	2	Lo	-	Gy	Lgt
052E	883055	00	15	354246	5498359	AMVB	02	>5	3	Lo	-	Tn	Lgt
052E	883056	00	15	358241	5498108	AMVB	02	>5	26	Lo	Ca	Br	Lgt
052E	883057	00	15	357329	5494383	AMVB	02	>5	9	Lo	Ca	Gy	Lgt
052E	883058	00	15	358053	5491433	AUB	02	>5	1	Lo	-	Tn	Lgt
052E	883059	00	15	353404	5491237	AUB	02	>5	1	Lo	-	Br	Lgt
052E	883060	00	15	358061	5485948	AMVB	02	>5	1	Lo	-	Br	Lgt
052E	883062	10	15	359801	5482190	AGM	02	1-5	3	Lo	-	Br	Lgt
052E	883063	20	15	359801	5482190	AGM	02	1-5	3	Lo	-	Br	Lgt
052E	883064	00	15	362414	5481991	AMVF	02	1-5	11	Md	-	Br	Lgt
052E	883065	00	15	361964	5480329	AMVF	02	>5	2	Lo	-	Br	Lgt
052E	883066	00	15	363918	5479874	AMVF	02	>5	3	Lo	-	Gy	Lgt
052E	883067	00	15	365931	5482052	AMVF	02	>5	1	Lo	-	Br	Lgt
052E	883068	00	15	373371	5484243	AMVB	02	>5	2	Lo	-	Gy	Lgt
052E	883070	00	15	375166	5477303	AMVF	02	>5	3	Lo	-	Gy	Lgt
052E	883071	00	15	377187	5479177	AMVF	02	pond	5	Lo	-	Br	Lgt

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20	0.05	1	0.5	0.05	
Analytical Method:	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052E 883028 00	136	50	6	49	12	0.2	481	13	<	1.31	93	56.5	2.6	85	16	0.7	0.4	2.	10.0	-	-	50.	6.1	<	35.	12.5	1.36
052E 883029 00	110	43	6	49	11	0.2	229	11	<	1.68	67	51.3	2.6	127	26	0.5	0.3	3.	10.0	2	5.00	40.	6.0	<	35.	12.0	1.40
052E 883030 00	93	43	10	16	6	<	204	2	<	1.64	76	49.8	2.1	142	23	0.4	0.3	1.	10.0	-	-	30.	6.3	<	65.	28.5	1.80
052E 883031 00	76	20	6	23	7	<	352	5	<	1.56	50	48.6	9.3	133	17	0.4	0.3	<1	10.0	-	-	40.	5.7	<	9.	3.4	1.00
052E 883032 00	118	25	10	23	12	<	451	1	<	2.57	96	35.9	11.0	164	39	0.4	0.3	<1	10.0	-	-	50.	5.7	<	14.	4.7	1.40
052E 883033 00	112	28	10	29	12	<	276	1	<	2.06	93	31.8	34.7	149	32	0.4	0.3	<1	10.0	-	-	50.	5.6	0.21	7.	2.8	0.96
052E 883034 00	128	31	8	19	12	<	433	1	<	2.03	85	41.8	15.8	183	28	0.5	0.3	<1	10.0	-	-	30.	5.6	<	9.	2.6	0.88
052E 883035 00	96	25	10	26	8	<	282	2	<	1.43	91	44.8	12.1	156	17	0.5	0.3	1.	10.0	-	-	40.	5.7	<	14.	4.4	1.40
052E 883036 00	93	36	9	29	11	<	286	1	<	1.76	70	35.1	19.0	214	28	0.2	0.3	<1	10.0	-	-	40.	5.6	<	11.	3.3	1.08
052E 883037 00	95	47	7	42	15	<	415	2	<	2.03	82	41.5	3.4	181	29	0.3	0.3	2.	10.0	-	-	40.	5.9	<	30.	12.0	1.48
052E 883038 00	130	36	16	34	12	<	494	4	<	2.42	128	39.8	3.0	112	24	0.5	0.3	<1	10.0	-	-	40.	6.0	<	30.	14.0	1.52
052E 883039 00	106	27	5	18	9	<	309	<	<	1.99	58	51.0	7.4	125	20	0.3	0.3	<1	10.0	-	-	40.	5.7	<	11.	2.8	1.08
052E 883040 00	97	31	5	26	7	<	398	1	<	1.68	55	52.6	3.7	133	19	0.2	0.2	<1	10.0	-	-	40.	6.0	<	49.	15.0	1.64
052E 883042 00	102	29	8	27	9	<	281	1	<	1.51	73	43.4	3.6	209	25	0.2	0.2	1.	10.0	-	-	40.	6.0	<	28.	9.0	1.20
052E 883043 00	95	13	6	20	8	<	213	1	<	1.01	53	54.3	1.8	94	11	0.3	0.3	<1	10.0	-	-	50.	6.1	<	33.	11.5	1.52
052E 883044 00	65	10	<	9	5	<	153	1	<	0.85	50	65.3	0.9	70	11	<	0.2	<1	10.0	-	-	40.	6.1	<	36.	15.0	1.24
052E 883045 00	62	19	3	14	3	<	238	6	<	1.12	58	65.1	1.5	85	9	0.2	0.3	<1	10.0	-	-	50.	6.0	<	44.	14.0	2.68
052E 883046 00	55	15	9	16	6	<	252	6	<	1.89	38	14.0	2.4	164	15	<	0.3	<1	10.0	-	-	50.	6.1	<	49.	14.5	2.60
052E 883047 10	83	14	3	12	4	<	261	<	<	1.22	29	56.5	1.5	106	12	0.2	0.2	<1	10.0	-	-	50.	6.0	<	38.	11.5	1.48
052E 883048 20	95	15	4	11	4	<	255	<	<	1.31	29	56.8	1.4	105	13	<	0.2	<1	10.0	-	-	60.	6.1	<	39.	12.0	1.48
052E 883049 00	113	24	3	13	6	<	125	17	<	0.92	38	65.9	1.7	71	14	0.4	0.3	<1	10.0	-	-	50.	6.2	<	42.	14.5	3.32
052E 883050 00	106	33	10	30	11	<	585	9	<	2.76	58	32.5	3.5	265	29	0.2	0.3	2.	10.0	-	-	50.	6.3	<	50.	14.5	2.68
052E 883051 00	86	19	8	22	7	<	170	3	<	1.49	35	42.5	2.3	199	21	0.2	0.3	<1	10.0	-	-	50.	6.3	<	78.	19.5	6.40
052E 883052 00	63	19	12	22	6	<	602	3	<	1.24	29	16.1	2.2	274	19	<	0.3	2.	10.0	-	-	50.	6.4	<	83.	20.5	6.00
052E 883053 00	28	15	7	9	3	<	324	2	5	0.54	12	11.8	1.6	278	31	0.3	0.3	1.	10.0	3	5.00	50.	6.6	<	83.	20.0	5.60
052E 883055 00	56	17	3	12	2	<	247	1	2	0.79	20	70.0	1.2	129	11	<	0.2	<2	5.00	<5	2.00	60.	7.0	<	91.	26.5	5.00
052E 883056 00	56	28	19	22	7	<	646	15	<	2.40	108	20.5	1.9	231	31	0.3	0.4	33.	10.0	32	5.00	60.	6.4	<	83.	21.0	5.60
052E 883057 00	283	44	30	25	10	1.3	360	59	<	2.20	1047	9.8	1.6	246	35	1.9	0.4	599.	10.0	582	5.00	60.	6.7	<	82.	18.5	5.60
052E 883058 00	60	22	6	21	4	<	168	3	3	0.91	29	50.6	2.0	250	23	<	0.3	2.	10.0	-	-	60.	6.3	<	77.	18.5	6.00
052E 883059 00	48	18	8	15	5	<	287	4	<	0.94	29	15.0	2.5	264	13	<	0.3	3.	10.0	7	10.00	60.	6.5	<	81.	19.0	5.60
052E 883060 00	57	20	8	25	6	<	213	2	<	1.20	29	39.5	2.1	279	17	<	0.2	1.	10.0	-	-	60.	6.4	<	78.	18.5	5.60
052E 883062 10	113	17	5	27	8	<	386	1	<	1.20	55	56.1	2.0	154	15	0.2	0.2	1.	10.0	-	-	60.	6.5	<	77.	17.5	6.00
052E 883063 20	104	19	5	25	7	<	320	1	<	1.05	58	57.3	2.2	140	15	0.2	0.3	<1	10.0	-	-	60.	6.2	<	45.	11.5	2.80
052E 883064 00	119	33	16	36	11	<	439	3	2	1.75	82	47.1	3.2	139	26	0.5	0.4	3.	10.0	3	5.00	60.	6.3	<	59.	15.5	3.24
052E 883065 00	119	45	16	41	11	<	200	3	<	2.70	47	30.9	4.4	241	39	0.2	0.3	3.	10.0	<2	5.00	70.	6.2	<	50.	12.0	4.80
052E 883066 00	133	45	17	46	15	<	304	2	<	3.11	47	16.2	4.6	382	49	0.2	0.3	3.	10.0	<4	2.50	60.	6.4	<	60.	15.0	5.20
052E 883067 00	110	38	19	37	11	<	256	2	<	2.65	50	31.3	4.3	467	38	0.4	0.3	1.	10.0	-	-	50.	6.2	<	58.	14.0	5.00
052E 883068 00	36	14	7	17	7	<	190	2	<	1.20	23	5.8	2.6	391	13	<	0.3	1.	10.0	<1	10.00	60.	6.3	<	59.	13.5	4.80
052E 883070 00	105	41	17	42	13	<	350	2	<	2.94	58	16.0	4.8	469	38	0.4	0.3	3.	10.0	<2	5.00	80.	6.3	<	57.	11.5	4.80
052E 883071 00	127	27	4	21	9	<	308	<	2	0.76	82	67.9	1.1	406	15	0.3	0.2	1.	10.0	-	-	50.	6.0	<	26.	6.0	2.08

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn	Easting	Northing	Unit	Age	Area					Depth
052E	883072	00	15	378796	5478137	AMVB	02	1-5	3	Lo	-	Br	Lgt
052E	883073	00	15	422438	5474026	AMVB	02	>5	20	Md	Ca	Gy	-
052E	883074	00	15	419171	5474190	AGM	02	>5	4	Md	Ca	Br	-
052E	883075	00	15	415924	5476493	AGM	02	>5	7	Lo	-	Br	-
052E	883076	00	15	407536	5477567	AGM	02	>5	11	Lo	-	Gy	-
052E	883077	00	15	404350	5480573	AGM	02	>5	9	Md	-	Gy	-
052E	883078	00	15	401818	5480205	AGM	02	.25-1	6	Md	-	Br	-
052E	883079	00	15	397315	5480058	AGM	02	.25-1	8	Md	-	Br	-
052E	883080	00	15	389811	5481664	AMVB	02	>5	19	Lo	-	Gy	-
052E	883082	00	15	386722	5479654	AGM	02	>5	4	Lo	Ca	Gy	-
052E	883083	00	15	383530	5479328	AMVB	02	>5	5	Lo	Ca	Gy	-
052E	883084	00	15	383612	5480590	AMVB	02	>5	7	Lo	Ca	Gy	-
052E	883085	10	15	378591	5480952	AMVF	02	>5	7	Md	-	Gy	-
052E	883087	20	15	378591	5480952	AMVF	02	>5	7	Md	-	Gy	-
052E	883088	00	15	376487	5482076	AMVB	02	>5	4	Lo	-	Gy	-
052E	883089	00	15	376579	5484810	AMVB	02	>5	5	Md	-	Gy	-
052E	883090	00	15	372271	5487554	AMVF	02	.25-1	23	Lo	-	Bk	-
052E	883091	00	15	369641	5486553	AMVB	02	>5	3	Lo	-	Br	-
052E	883092	00	15	365953	5486114	AMVB	02	>5	15	Lo	Ca	Gy	-
052E	883093	00	15	366359	5483493	AGM	02	>5	7	Lo	-	Gy	-
052E	883094	00	15	362045	5485786	AMVB	02	1-5	3	Lo	-	Br	-
052E	883095	00	15	362016	5487698	AGM	02	>5	6	Lo	-	Gy	-
052E	883096	00	15	362504	5491518	AMVB	02	>5	6	Lo	Ca	Gy	-
052E	883097	00	15	361745	5494665	AGM	02	pond	3	Md	-	Br	-
052E	883098	00	15	361577	5496585	AGM	02	pond	5	Md	-	Br	-
052E	883099	00	15	361128	5498032	AGM	02	.25-1	23	Md	-	Bk	-
052E	883100	00	15	359023	5500750	AMVB	02	.25-1	3	Md	-	Br	-
052E	883102	10	15	360868	5502321	AMVB	02	>5	4	Lo	Ca	Br	-
052E	883103	20	15	360868	5502321	AMVB	02	>5	4	Lo	Ca	Br	-
052E	883104	00	15	360807	5503338	AMVF	02	.25-1	1	Md	-	Br	-
052E	883105	00	15	358239	5512879	AGM	02	pond	4	Lo	-	Br	-
052E	883107	00	15	354898	5513190	AGM	02	1-5	9	Md	-	Br	-
052E	883108	00	15	354958	5515519	AGM	02	pond	6	Md	-	Br	-
052E	883109	00	15	354723	5518036	AGM	02	1-5	5	Md	-	Br	-
052E	883110	00	15	355021	5520609	AGM	02	.25-1	3	Lo	-	Br	-
052E	883111	00	15	354113	5524400	AGY	02	.25-1	8	Md	-	Br	-
052E	883112	00	15	351356	5523439	AGY	02	.25-1	21	Lo	-	Br	-
052E	883113	00	15	350621	5526497	AGY	02	.25-1	5	Lo	-	Br	-
052E	883114	00	15	347646	5527063	AGY	02	1-5	10	Lo	Ca	Br	-
052E	883115	00	15	347697	5530509	AGM	02	1-5	6	Lo	-	Br	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883072 00	115	54	15	40	11	<	212	2	<	3.02	55	28.3	4.7	373	41	<	0.3	3.	10.0	<4	2.50	50.	6.2	<	53.	10.5	4.60
052E 883073 00	127	60	34	38	13	<	358	3	3	3.56	284	19.4	4.3	428	50	0.5	0.4	123.	10.0	-	-	50.	6.1	<	38.	7.5	1.84
052E 883074 00	77	42	10	32	8	<	172	1	<	1.37	47	42.7	2.2	225	19	0.2	0.3	7.	10.0	10	2.50	50.	6.0	<	36.	8.5	2.08
052E 883075 00	109	54	18	40	12	<	226	2	<	2.70	53	28.8	3.6	299	31	0.4	0.3	4.	10.0	3	5.00	50.	6.0	<	38.	10.0	2.20
052E 883076 00	118	56	14	41	14	<	486	3	<	3.37	38	22.3	5.8	460	50	<	0.3	3.	10.0	<5	2.00	40.	6.0	<	38.	8.5	2.28
052E 883077 00	102	46	21	35	12	<	300	3	<	2.69	67	24.6	4.2	282	31	0.4	0.2	3.	10.0	2	10.00	50.	6.0	<	36.	8.5	2.16
052E 883078 00	98	51	4	26	13	<	264	<	2	1.49	58	58.9	3.2	116	18	0.2	<	2.	10.0	-	-	50.	5.8	<	18.	4.7	1.28
052E 883079 00	110	36	14	40	16	<	650	2	<	2.54	105	31.5	5.6	162	35	0.4	0.2	1.	10.0	-	-	60.	5.8	<	13.	3.7	1.36
052E 883080 00	118	44	18	41	13	<	553	2	<	3.24	38	15.0	4.7	579	43	0.3	0.2	2.	10.0	-	-	60.	6.2	<	55.	12.0	4.60
052E 883082 00	89	42	13	40	11	<	464	3	<	2.62	29	19.3	4.3	393	28	0.2	0.2	2.	10.0	-	-	80.	6.2	<	55.	10.5	4.60
052E 883083 00	61	25	11	25	9	<	484	2	<	1.72	38	10.2	3.0	293	21	0.2	0.2	2.	10.0	-	-	70.	6.4	<	56.	10.0	4.80
052E 883084 00	125	38	19	44	15	<	868	2	<	3.56	38	14.8	5.1	486	47	0.2	0.2	5.	10.0	2	5.00	70.	6.2	<	56.	10.5	4.40
052E 883085 10	108	45	21	41	13	<	386	4	<	3.22	67	21.7	4.2	473	48	0.2	0.2	2.	10.0	-	-	70.	6.2	<	56.	11.0	4.20
052E 883087 20	103	47	17	43	13	<	371	3	<	3.32	67	23.4	4.0	370	43	0.2	0.2	2.	10.0	2	10.00	70.	6.3	<	56.	11.5	4.40
052E 883088 00	121	47	16	47	14	<	382	2	<	3.00	50	17.5	5.0	526	40	0.2	0.2	1.	10.0	-	-	80.	6.0	<	59.	11.5	5.00
052E 883089 00	110	48	13	46	14	<	485	3	<	3.02	28	18.3	4.6	518	38	0.2	0.2	2.	10.0	-	-	70.	6.0	<	58.	11.5	4.80
052E 883090 00	128	40	18	36	13	<	2080	7	2	3.48	81	33.5	2.7	323	43	0.4	0.3	3.	10.0	3	5.00	60.	6.4	<	65.	14.5	4.00
052E 883091 00	84	44	11	39	12	<	644	3	<	2.10	44	30.5	3.5	312	27	0.3	0.2	2.	10.0	-	-	60.	6.2	<	58.	11.5	4.40
052E 883092 00	115	51	20	45	14	<	542	3	<	2.99	53	18.8	5.1	493	47	0.3	0.3	3.	10.0	2	5.00	60.	6.3	<	58.	12.0	4.60
052E 883093 00	127	38	18	48	15	<	520	2	<	3.47	44	14.2	5.0	492	48	0.2	0.2	2.	10.0	-	-	60.	6.1	<	59.	11.5	4.80
052E 883094 00	91	34	5	21	7	<	233	1	<	1.29	58	64.2	2.2	122	19	0.2	0.3	2.	10.0	-	-	70.	6.1	<	54.	13.5	2.52
052E 883095 00	75	27	13	31	11	<	538	7	<	1.89	31	16.2	2.9	302	28	0.2	0.3	<1	10.0	-	-	60.	6.2	<	83.	17.0	5.80
052E 883096 00	73	27	9	39	10	<	562	4	<	2.23	31	24.7	2.8	276	30	<	0.3	3.	10.0	2	10.00	70.	6.4	<	80.	17.0	6.00
052E 883097 00	104	19	9	18	7	<	196	2	2	0.97	70	64.9	2.4	83	15	0.4	0.2	2.	10.0	-	-	70.	5.9	<	32.	7.5	1.28
052E 883098 00	113	92	9	17	7	<	449	2	3	1.28	111	59.0	2.9	80	15	0.3	0.3	4.	10.0	5	2.50	60.	6.0	<	24.	7.5	1.20
052E 883099 00	141	37	20	30	19	<	3536	10	5	6.23	92	37.9	5.1	195	47	0.3	0.3	2.	10.0	-	-	60.	6.0	<	35.	8.5	1.40
052E 883100 00	77	32	3	28	6	<	168	1	<	0.83	36	75.3	2.2	90	14	0.2	0.2	1.	10.0	-	-	60.	6.3	<	86.	29.5	1.60
052E 883102 10	99	24	8	32	10	<	209	4	<	1.69	42	45.7	2.9	224	23	<	0.3	2.	10.0	<4	2.50	80.	6.1	<	55.	15.5	4.60
052E 883103 20	89	27	9	27	9	<	182	4	<	1.73	50	45.3	2.9	231	20	<	0.3	3.	10.0	6	2.50	80.	6.1	<	55.	14.0	4.40
052E 883104 00	87	18	5	15	4	<	144	4	<	0.87	33	68.5	2.2	106	16	0.3	0.3	1.	10.0	-	-	70.	6.1	<	52.	14.5	3.80
052E 883105 00	125	19	4	16	9	<	121	<	<	1.11	67	64.1	2.5	68	15	0.5	0.3	1.	10.0	-	-	80.	5.4	<	3.	2.3	0.84
052E 883107 00	105	30	19	22	11	<	420	2	<	2.19	120	32.4	13.4	205	29	0.6	0.3	2.	10.0	-	-	80.	5.8	<	8.	3.2	0.96
052E 883108 00	118	24	8	14	7	<	395	1	<	1.91	92	49.8	5.7	102	24	0.5	0.3	1.	10.0	-	-	70.	5.6	<	8.	2.7	0.72
052E 883109 00	114	30	14	21	9	<	345	2	<	2.07	81	38.5	7.6	132	27	0.5	0.3	2.	10.0	-	-	70.	5.7	<	13.	4.3	1.24
052E 883110 00	55	12	6	13	4	<	92	1	<	0.85	81	49.4	3.9	73	9	0.3	0.2	1.	10.0	-	-	70.	5.7	<	9.	4.3	1.28
052E 883111 00	107	29	17	28	10	<	360	2	<	2.46	83	33.1	8.1	255	28	0.3	0.2	2.	10.0	-	-	60.	5.6	<	12.	3.3	1.12
052E 883112 00	120	34	24	22	9	<	558	2	<	1.94	83	45.9	11.6	145	30	1.0	0.2	2.	10.0	-	-	60.	5.6	<	9.	2.7	0.80
052E 883113 00	111	18	7	19	7	<	285	<	<	2.21	47	59.0	6.7	98	19	0.3	0.2	<1	10.0	-	-	60.	5.6	<	10.	2.7	1.12
052E 883114 00	100	28	21	21	14	<	303	4	<	2.18	100	40.6	9.0	121	39	0.5	0.2	<4	2.50	-	-	60.	5.7	<	11.	3.5	1.12
052E 883115 00	123	24	13	33	11	<	524	2	<	2.67	75	28.6	4.4	302	36	<	0.2	3.	10.0	2	5.00	90.	5.8	<	18.	4.8	1.76

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn	Easting	Northing	Unit	Age	Area					Depth
052E	883116	00	15	345559	5533163	AGM	02	1-5	4	Lo	-	Br	-
052E	883117	00	15	345724	5536969	AGM	02	1-5	5	Lo	-	Br	-
052E	883118	00	15	347786	5539896	AGM	02	1-5	6	Lo	-	Br	-
052E	883119	00	15	353177	5538303	AGM	02	>5	5	Lo	-	Br	-
052E	883120	00	15	351220	5534816	AGM	02	>5	3	Lo	-	Br	-
052E	883122	00	15	349274	5531570	AGM	02	.25-1	3	Lo	-	Br	-
052E	883123	00	15	353571	5532387	AGM	02	1-5	5	Lo	-	Br	-
052E	883124	00	15	355183	5533245	AGM	02	.25-1	3	Lo	-	Br	Lgt
052E	883125	00	15	357925	5537475	AGM	02	.25-1	3	Lo	-	Br	-
052E	883126	10	15	359434	5535656	AGM	02	.25-1	9	Lo	-	Br	-
052E	883127	20	15	359434	5535656	AGM	02	.25-1	9	Lo	-	Br	-
052E	883128	00	15	360203	5534902	AGM	02	.25-1	6	Lo	-	Br	-
052E	883129	00	15	362206	5537271	AGM	02	.25-1	5	Lo	-	Br	-
052E	883130	00	15	365066	5537887	AGM	02	>5	9	Lo	Ca	Br	-
052E	883131	00	15	365054	5534568	AGM	02	.25-1	3	Lo	-	Br	-
052E	883132	00	15	365548	5531450	AGM	02	.25-1	6	Lo	-	Br	-
052E	883133	00	15	365077	5528829	AGM	02	1-5	4	Lo	-	Br	-
052E	883134	00	15	361888	5528262	AGM	02	1-5	12	Lo	Ca	Br	-
052E	883135	00	15	361547	5531352	AGM	02	1-5	6	Lo	Ca	Br	-
052E	883136	00	15	357655	5530427	AGM	02	>5	9	Lo	Ca	Br	-
052E	883137	00	15	354884	5526356	AGY	02	>5	11	Lo	Ca	Br	-
052E	883138	00	15	358810	5525681	AGY	02	1-5	7	Lo	-	Br	-
052E	883139	00	15	357230	5522766	AGY	02	.25-1	11	Lo	-	Br	-
052E	883142	00	15	356351	5517390	AGM	02	.25-1	5	Lo	-	Br	-
052E	883144	00	15	359868	5520002	AGM	02	1-5	8	Lo	-	Br	-
052E	883145	10	15	360793	5518154	AGM	02	1-5	4	Lo	-	Br	Lgt
052E	883146	20	15	360792	5518141	AGM	02	1-5	4	Lo	-	Br	Lgt
052E	883147	00	15	361091	5513058	AGM	02	.25-1	8	Lo	-	Br	-
052E	883148	00	15	364766	5513028	AGM	02	.25-1	8	Lo	-	Br	-
052E	883149	00	15	364713	5517599	AGM	02	>5	8	Lo	-	Gy	-
052E	883150	00	15	362670	5522734	AGY	02	1-5	5	Lo	-	Br	-
052E	883151	00	15	365523	5522119	AGY	02	1-5	11	Md	-	Br	-
052E	883152	00	15	365848	5525624	AGY	02	>5	5	Md	-	Br	-
052E	883153	00	15	369552	5528799	AGM	02	>5	4	Md	-	Br	-
052E	883154	00	15	368260	5532005	AGM	02	>5	9	Md	-	Br	-
052E	883155	00	15	367856	5533852	AGM	02	.25-1	10	Md	-	Br	-
052E	883156	00	15	368417	5538319	AGM	02	.25-1	11	Md	-	Br	-
052E	883157	00	15	371925	5539427	AGM	02	>5	20	Md	-	Br	-
052E	883158	00	15	377296	5538235	AGM	02	>5	21	Md	Ca	Bk	-
052E	883159	00	15	382990	5536942	AGM	02	>5	25	Lo	-	Gy	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data, Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883116 00	81	29	10	35	9	<	645	3	<	2.06	28	38.8	5.5	241	27	0.2	0.2	3.	10.0	<4	2.50	70.	5.7	<	17.	4.3	1.28
052E 883117 00	111	27	11	32	11	<	408	1	<	2.09	67	39.1	6.4	223	24	0.3	<	2.	10.0	-	-	70.	5.7	<	23.	5.1	2.00
052E 883118 00	103	24	13	37	10	<	225	1	<	2.16	75	34.8	5.4	263	31	0.3	0.2	1.	10.0	-	-	80.	6.0	<	46.	9.5	5.00
052E 883119 00	129	25	16	37	10	<	371	2	<	2.80	92	28.9	6.5	358	41	0.3	0.2	1.	10.0	-	-	60.	5.6	<	20.	5.3	2.40
052E 883120 00	129	29	19	35	13	<	577	2	<	2.94	92	30.9	6.7	366	37	0.4	0.2	2.	10.0	<4	2.50	70.	5.9	<	22.	5.3	2.20
052E 883122 00	83	17	8	14	5	<	155	<	<	1.40	60	47.3	2.6	137	22	0.3	<	<10	1.00	-	-	110.	5.7	<	10.	3.3	1.12
052E 883123 00	125	26	16	35	11	<	347	2	<	2.94	79	26.8	6.5	322	43	0.4	0.3	<1	10.0	-	-	90.	5.8	<	23.	5.5	2.20
052E 883124 00	48	11	5	17	4	<	103	1	<	0.80	48	47.7	3.5	132	19	0.3	0.2	<1	10.0	-	-	80.	5.6	<	10.	4.3	1.90
052E 883125 00	122	23	11	28	11	<	204	2	<	1.52	89	44.1	11.6	141	30	0.4	0.2	<4	2.50	-	-	60.	5.6	<	10.	3.5	1.52
052E 883126 10	107	30	10	27	9	<	342	1	<	1.66	51	41.0	22.7	163	24	0.4	0.2	<1	10.0	-	-	60.	5.6	<	10.	3.2	0.96
052E 883127 20	117	31	10	25	7	<	355	1	2	1.54	48	42.1	23.1	153	22	0.4	0.2	<4	2.50	-	-	60.	5.6	<	11.	3.2	0.96
052E 883128 00	94	30	12	32	11	<	377	2	<	2.56	51	19.6	6.8	248	42	0.2	0.2	<1	10.0	-	-	60.	5.6	<	10.	3.7	1.32
052E 883129 00	101	18	7	26	8	<	144	1	<	1.41	51	48.8	10.4	165	28	0.3	0.2	<1	10.0	-	-	60.	5.5	<	8.	2.3	1.00
052E 883130 00	142	34	20	38	11	<	614	3	<	3.46	92	26.7	8.3	203	52	0.4	0.2	1.	10.0	-	-	70.	5.8	<	22.	5.2	2.12
052E 883131 00	102	24	13	31	10	<	315	1	<	2.20	66	34.1	5.2	267	35	0.4	0.2	1.	10.0	-	-	60.	5.8	<	17.	4.5	1.76
052E 883132 00	108	21	8	14	8	<	256	<	<	1.95	63	51.0	5.1	106	21	0.4	0.2	<1	10.0	-	-	50.	5.6	<	9.	3.0	0.72
052E 883133 00	94	21	13	27	10	<	326	2	<	2.12	66	23.4	5.1	220	27	0.4	0.2	<1	10.0	-	-	50.	5.7	<	14.	3.7	1.48
052E 883134 00	113	34	20	34	11	<	555	3	<	3.16	76	26.8	6.4	303	54	0.4	0.3	<1	10.0	-	-	50.	5.7	<	16.	4.2	1.48
052E 883135 00	109	30	18	34	11	<	291	2	<	2.02	89	35.5	6.5	223	34	0.4	0.2	<2	5.00	-	-	60.	5.7	<	16.	4.2	1.52
052E 883136 00	117	35	16	36	11	<	467	2	<	2.51	50	22.4	7.1	315	40	0.3	0.2	<1	10.0	-	-	60.	5.7	<	14.	3.8	1.40
052E 883137 00	133	28	18	33	13	<	615	3	<	3.46	66	21.4	7.2	208	49	0.4	0.2	1.	10.0	-	-	70.	5.7	<	12.	4.0	1.32
052E 883138 00	107	29	15	24	10	<	322	2	<	2.35	60	30.4	6.4	172	37	0.5	0.2	1.	10.0	-	-	60.	5.7	<	14.	3.9	1.20
052E 883139 00	126	31	16	25	12	<	411	1	<	2.01	63	48.2	13.7	147	31	0.5	0.2	<4	2.50	-	-	60.	5.7	<	11.	3.1	1.16
052E 883142 00	112	35	11	21	14	<	352	1	3	2.00	96	42.7	4.4	326	33	0.5	0.2	1.	10.0	-	-	70.	5.5	<	4.	2.4	0.88
052E 883144 00	132	38	21	40	13	<	477	3	<	2.87	75	27.7	8.3	352	56	0.5	0.2	1.	10.0	-	-	100.	5.8	<	16.	4.5	1.56
052E 883145 10	107	18	12	26	9	<	191	1	<	2.09	86	25.7	4.4	305	33	0.3	0.2	<1	10.0	-	-	100.	5.6	<	11.	4.3	1.36
052E 883146 20	98	18	11	27	9	<	187	1	<	1.96	76	25.8	4.9	268	34	0.3	0.2	<2	5.00	-	-	70.	5.7	<	11.	3.8	1.44
052E 883147 00	125	21	14	26	13	0.2	582	2	<	2.56	112	24.2	4.5	243	41	0.4	0.2	<1	10.0	-	-	70.	5.7	<	8.	3.3	1.20
052E 883148 00	106	20	11	21	12	<	308	1	<	1.61	79	44.7	6.1	280	27	0.6	0.2	<4	2.50	-	-	60.	5.5	<	7.	2.5	0.80
052E 883149 00	107	33	18	37	12	<	419	2	<	2.47	59	17.4	5.1	349	42	0.4	0.2	1.	10.0	-	-	60.	5.7	<	16.	4.3	1.32
052E 883150 00	139	28	19	38	12	<	320	3	<	2.41	99	34.9	8.1	304	43	0.6	0.2	1.	10.0	-	-	70.	5.7	<	13.	3.7	1.44
052E 883151 00	139	33	37	33	10	<	385	4	<	2.64	130	31.7	9.5	257	47	0.8	0.3	2.	10.0	-	-	50.	5.5	<	10.	2.8	1.20
052E 883152 00	149	36	21	42	13	<	576	3	<	3.21	89	27.6	8.3	335	56	0.3	0.2	2.	10.0	-	-	50.	5.6	<	12.	3.5	1.32
052E 883153 00	127	29	15	38	12	<	255	1	<	2.26	96	32.9	6.0	275	40	0.4	0.2	1.	10.0	-	-	60.	5.8	<	15.	4.0	1.52
052E 883154 00	135	30	18	36	11	<	208	3	<	1.72	109	37.9	5.6	205	48	0.5	0.2	2.	10.0	-	-	60.	5.8	<	15.	4.3	1.52
052E 883155 00	135	33	34	27	14	<	681	6	<	2.78	162	34.7	5.5	242	62	0.7	0.4	3.	10.0	3	5.00	70.	5.8	<	15.	4.3	1.56
052E 883156 00	137	26	20	24	13	<	879	2	2	3.47	102	36.0	9.8	192	45	0.5	0.2	1.	10.0	-	-	60.	5.7	<	11.	3.3	0.96
052E 883157 00	127	31	18	33	14	<	725	3	<	3.49	56	19.2	7.3	356	47	0.4	0.3	1.	10.0	-	-	70.	5.7	<	16.	3.9	1.40
052E 883158 00	112	42	25	34	16	<	2366	6	<	4.99	83	24.8	7.9	275	67	0.4	0.4	2.	10.0	-	-	80.	6.1	<	47.	12.0	4.20
052E 883159 00	96	28	20	29	11	<	549	2	<	2.42	112	10.6	3.9	380	35	0.3	0.2	6.	10.0	4	10.00	70.	6.2	<	48.	13.5	4.60

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl
			Zn	Easting Northing	Unit Age	Area Depth						
052E	883160	00	15	387087 5538467	AGM 02	.25-1 8	Lo	-	Br	-		
052E	883162	00	15	388886 5536891	AGM 02	1-5 3	Lo	Ca	Br	-		
052E	883163	00	15	390019 5539254	AGM 02	>5 23	Md	Ca	Bk	-		
052E	883164	00	15	393033 5538326	AGY 02	>5 7	Md	Ca	Br	-		
052E	883165	10	15	391009 5534097	AGY 02	1-5 8	Md	-	Br	-		
052E	883166	20	15	391009 5534097	AGY 02	1-5 8	Md	-	Br	-		
052E	883167	00	15	385669 5534032	AGY 02	>5 17	Lo	Ca	Br	-		
052E	883168	00	15	382840 5532019	AGM 02	1-5 7	Md	-	Gy	-		
052E	883170	00	15	379482 5533676	AGM 02	>5 15	Md	-	Gy	-		
052E	883171	00	15	374746 5534059	AGM 02	.25-1 3	Md	-	Br	-		
052E	883172	00	15	371572 5534938	AGM 02	1-5 30	Md	Ca	Gy	-		
052E	883173	00	15	371611 5529822	AGM 02	>5 9	Lo	Ca	Gy	-		
052E	883174	00	15	375341 5530965	AGM 02	1-5 6	Lo	-	Br	-		
052E	883175	00	15	379183 5530227	AGM 02	>5 10	Md	-	Gy	-		
052E	883176	00	15	376593 5526794	AGM 02	.25-1 9	Md	-	Gy	-		
052E	883177	00	15	371657 5525644	AGM 02	pond 5	Md	-	Br	-		
052E	883178	00	15	372488 5523924	AGM 02	.25-1 11	Md	-	Gy	-		
052E	883179	00	15	376121 5524116	AGM 02	.25-1 5	Md	-	Br	-		
052E	883180	00	15	375125 5520735	AGY 02	1-5 14	Md	-	Br	-		
052E	883182	00	15	372374 5520517	AGM 02	.25-1 19	Lo	-	Br	-		
052E	883183	00	15	368084 5522753	AGY 02	>5 9	Lo	-	Br	-		
052E	883184	10	15	367296 5520543	AGY 02	pond 4	Md	-	Br	-		
052E	883185	20	15	367296 5520543	AGY 02	pond 4	Md	-	Br	-		
052E	883186	00	15	367927 5516408	AGY 02	1-5 6	Md	-	Br	-		
052E	883187	00	15	367303 5514189	AGM 02	.25-1 4	Lo	-	Br	-		
052E	883188	00	15	368333 5511323	AGM 02	>5 13	Md	Ca	Br	-		
052E	883189	00	15	368799 5509336	AGM 02	.25-1 6	Lo	Ca	Br	-		
052E	883190	00	15	364406 5509288	AGM 02	.25-1 4	Md	Ca	Br	-		
052E	883192	00	15	364903 5506881	AMVF 02	1-5 21	Lo	Ca	Br	-		
052E	883193	00	15	365728 5504317	AMVB 02	.25-1 9	Lo	-	Br	-		
052E	883194	00	15	364569 5501890	AMVF 02	1-5 4	Lo	Ca	Br	-		
052E	883195	00	15	360682 5499594	AGM 02	.25-1 16	Lo	-	Br	-		
052E	883196	00	15	364220 5498455	AGM 02	.25-1 32	Lo	-	Br	-		
052E	883197	00	15	366531 5497252	AMVB 02	1-5 11	Lo	Go	Br	-		
052E	883198	00	15	366358 5494963	AMVB 02	>5 17	Lo	Ca	Br	-		
052E	883199	00	15	366781 5492703	ACSP 02	>5 18	Lo	Ca	Br	-		
052E	883200	00	15	368348 5493041	AMVB 02	.25-1 9	Lo	-	Br	-		
052E	883202	00	15	367675 5490893	AMVB 02	.25-1 11	Lo	-	Br	-		
052E	883203	00	15	366714 5489073	AGM 02	>5 3	Lo	Ca	Br	-		
052E	883204	00	15	369954 5488358	AMVB 02	.25-1 9	Lo	-	Br	-		

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm							
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883160 00	138	19	19	28	11	<	351	1	<	2.36	79	27.7	14.9	230	44	0.3	0.2	2.	10.0	-	-	60.	5.7	<	6.	2.7	1.04
052E 883162 00	76	20	12	29	9	<	290	1	<	1.85	40	21.1	11.5	304	26	0.3	0.2	<1	10.0	-	-	70.	5.6	<	13.	3.7	1.32
052E 883163 00	120	28	30	23	25	<	2990	7	2	8.68	106	36.0	21.0	214	93	0.2	0.3	2.	10.0	-	-	80.	5.7	<	13.	3.7	1.36
052E 883164 00	88	12	11	18	7	<	222	1	<	1.96	63	13.0	8.7	237	19	0.4	0.2	<1	10.0	-	-	80.	5.7	<	13.	3.9	1.32
052E 883165 10	130	32	14	40	10	<	621	2	<	2.48	102	29.7	10.4	320	38	0.6	0.2	1.	10.0	-	-	70.	5.9	<	30.	6.9	3.12
052E 883166 20	139	32	17	38	10	<	632	2	<	2.48	92	28.6	9.6	350	33	0.7	0.2	2.	10.0	-	-	70.	5.9	<	30.	7.2	3.12
052E 883167 00	80	20	26	18	6	<	299	2	<	1.85	205	8.8	2.8	273	22	0.3	0.2	5.	10.0	4	10.00	60.	6.2	<	48.	14.0	4.40
052E 883168 00	92	45	15	33	9	<	309	2	<	2.48	66	19.8	6.1	323	36	0.3	0.2	2.	10.0	-	-	60.	6.1	<	49.	13.5	4.60
052E 883170 00	132	48	24	36	11	<	447	4	<	3.02	99	19.2	6.0	416	47	0.4	0.3	2.	10.0	-	-	50.	6.2	<	49.	13.0	4.20
052E 883171 00	125	28	12	34	10	<	195	1	<	2.33	83	35.0	6.5	178	27	0.2	0.2	<1	10.0	-	-	60.	5.8	<	14.	4.7	1.60
052E 883172 00	78	25	13	29	9	<	289	3	<	1.67	23	6.8	4.3	320	31	0.5	0.3	1.	10.0	5	10.00	60.	5.7	<	16.	4.2	1.32
052E 883173 00	60	15	12	17	7	<	231	2	<	1.68	33	12.0	4.1	260	20	<	0.2	1.	10.0	-	-	60.	5.6	<	10.	4.3	1.40
052E 883174 00	95	19	12	19	10	<	298	1	<	2.88	79	30.9	5.3	217	26	0.2	0.2	4.	10.0	1	10.00	60.	5.6	<	8.	2.7	0.80
052E 883175 00	130	47	21	38	12	<	543	3	<	2.88	83	18.4	5.8	386	43	0.4	0.3	3.	10.0	<4	2.50	60.	6.1	<	50.	13.5	4.60
052E 883176 00	43	15	7	15	6	<	270	3	<	1.32	17	9.0	2.6	231	11	<	0.2	2.	10.0	<1	10.00	40.	5.8	<	11.	2.5	0.92
052E 883177 00	73	39	8	16	4	<	105	<	<	0.88	96	50.2	8.0	84	20	<	0.2	<1	10.0	-	-	40.	5.4	<	4.	3.2	0.96
052E 883178 00	110	32	18	28	10	<	504	3	<	2.73	79	27.3	16.1	239	49	0.3	0.3	<1	10.0	-	-	40.	5.6	<	9.	3.0	1.04
052E 883179 00	105	26	12	26	12	<	222	1	<	2.01	99	33.4	8.8	168	31	0.4	0.2	2.	10.0	-	-	50.	5.4	<	4.	2.0	0.88
052E 883180 00	116	32	22	34	12	<	595	2	<	3.17	102	26.2	8.3	289	54	0.4	0.3	2.	10.0	-	-	50.	5.6	<	13.	3.3	1.36
052E 883182 00	168	20	13	22	45	<	2808	5	4	6.10	30	19.2	13.2	212	48	0.5	0.2	1.	10.0	-	-	60.	5.6	<	9.	3.3	1.20
052E 883183 00	124	34	18	37	15	<	446	2	<	2.69	89	30.2	7.9	310	50	0.4	0.3	2.	10.0	-	-	60.	5.4	<	13.	4.8	1.32
052E 883184 10	110	34	9	23	12	<	207	1	<	1.69	106	46.8	7.7	132	27	0.4	0.2	1.	10.0	-	-	70.	5.5	<	9.	2.3	1.20
052E 883185 20	120	41	8	23	11	<	211	<	<	1.65	116	47.4	8.4	145	31	0.3	0.2	<1	10.0	-	-	70.	5.5	<	9.	2.9	1.12
052E 883186 00	85	30	12	30	9	<	251	1	<	1.95	46	23.0	5.2	281	31	0.2	0.2	<1	10.0	-	-	60.	5.6	<	19.	4.7	1.44
052E 883187 00	81	25	7	25	12	<	195	<	<	1.56	66	41.6	6.5	137	27	0.2	0.2	2.	10.0	-	-	60.	5.6	<	14.	3.8	1.20
052E 883188 00	124	28	29	31	12	<	406	3	<	3.02	119	24.9	5.3	322	45	0.5	0.3	<1	10.0	-	-	60.	5.6	<	13.	3.7	1.32
052E 883189 00	121	53	11	32	10	<	283	1	2	1.77	56	43.9	5.5	200	25	0.3	<	2.	10.0	-	-	70.	6.0	<	16.	3.7	1.28
052E 883190 00	119	37	17	27	13	<	482	2	2	3.09	124	33.4	6.6	266	45	0.4	0.2	1.	10.0	-	-	60.	5.7	<	15.	6.2	1.60
052E 883192 00	100	48	18	31	10	<	605	3	3	3.17	63	24.7	8.7	291	47	0.4	0.3	2.	10.0	-	-	60.	5.8	<	18.	6.7	1.60
052E 883193 00	126	28	12	25	7	<	571	2	2	2.14	56	52.7	2.8	174	25	0.3	0.2	2.	10.0	-	-	60.	6.1	<	43.	12.0	1.72
052E 883194 00	80	25	10	27	8	<	235	4	<	1.57	33	45.8	3.2	237	24	0.2	0.2	4.	10.0	6	2.50	70.	6.1	<	57.	13.5	4.40
052E 883195 00	144	51	11	23	8	<	3536	15	3	3.75	59	38.7	4.0	191	32	0.3	0.3	2.	10.0	-	-	60.	6.3	<	67.	18.5	3.72
052E 883196 00	140	114	8	17	5	<	549	2	33	1.40	63	56.0	3.3	135	20	0.7	<	3.	10.0	4	2.50	40.	6.0	<	36.	12.0	1.48
052E 883197 00	179	80	21	50	16	0.2	718	10	5	3.01	79	32.1	4.7	288	40	0.9	0.3	3.	10.0	<4	2.50	50.	6.1	<	54.	13.5	3.80
052E 883198 00	102	39	23	35	10	<	257	5	2	2.20	56	35.4	3.6	283	37	0.5	0.2	2.	10.0	-	-	50.	6.6	<	68.	17.0	4.80
052E 883199 00	92	26	15	27	9	<	272	6	<	2.14	33	19.9	2.5	281	25	0.4	0.2	2.	10.0	-	-	50.	6.4	<	72.	18.5	5.40
052E 883200 00	81	20	10	13	5	<	716	2	<	1.34	53	64.5	0.9	86	9	0.3	<	4.	5.00	<4	2.50	60.	6.7	<	101.	33.5	2.16
052E 883202 00	133	32	11	17	6	<	842	2	7	2.36	59	63.6	2.0	115	23	0.4	<	1.	10.0	-	-	50.	6.2	<	48.	15.5	1.80
052E 883203 00	89	25	8	24	7	<	209	3	2	1.15	30	50.8	2.4	228	21	0.2	0.2	1.	10.0	-	-	50.	6.3	<	75.	18.5	6.00
052E 883204 00	83	27	9	22	11	<	737	3	<	2.35	43	19.6	2.6	231	24	0.2	0.2	2.	10.0	-	-	50.	6.3	<	69.	23.5	2.80

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit	Age	Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn Easting	Northing			Area	Depth					
052E	883205	10	15	372986	5490787	AMVF	02	.25-1	4	Lo	-	Br	-
052E	883206	20	15	372986	5490787	AMVF	02	.25-1	4	Lo	-	Br	-
052E	883207	00	15	374607	5489645	AMVB	02	pond	3	Lo	-	Br	-
052E	883208	00	15	379551	5487469	AMVB	02	>5	7	Lo	Ca	Gy	-
052E	883209	00	15	378754	5485532	AGM	02	>5	5	Lo	Ca	Gy	-
052E	883210	00	15	379950	5483597	AMVB	02	>5	17	Lo	Ca	Gy	-
052E	883211	00	15	381867	5485695	ACSP	02	>5	8	Lo	Ca	Gy	-
052E	883212	00	15	389676	5483722	AMVB	02	>5	15	Lo	CaGo	Gy	-
052E	883213	00	15	394635	5482923	AMVB	02	>5	11	Lo	Ca	Gy	-
052E	883214	00	15	399665	5483158	AMVB	02	>5	18	Lo	Ca	Gy	-
052E	883215	00	15	401935	5482146	AUB	02	>5	8	Lo	Ca	Gy	-
052E	883216	00	15	409508	5480038	AMVB	02	.25-1	9	Lo	-	Br	-
052E	883218	00	15	413289	5479460	AMVB	02	>5	9	Lo	Ca	Br	-
052E	883219	00	15	416636	5479555	AMVF	02	>5	18	Lo	Ca	Gy	-
052E	883220	00	15	426951	5474466	AMVF	02	>5	12	Lo	Ca	Gy	-
052E	883222	10	15	421808	5480790	ACSP	02	.25-1	3	Lo	-	Br	-
052E	883223	20	15	421808	5480777	ACSP	02	.25-1	3	Lo	-	Br	-
052E	883224	00	15	418701	5480120	AMVF	02	.25-1	5	Lo	-	Br	-
052E	883225	00	15	412993	5483032	ACSP	02	>5	6	Lo	-	Br	-
052E	883226	00	15	410475	5486168	AGM	02	pond	6	Md	-	Br	-
052E	883227	00	15	407219	5485309	AMVB	02	1-5	4	Md	-	Br	-
052E	883228	00	15	404898	5483313	AMVF	02	>5	8	Lo	-	Gy	-
052E	883229	00	15	402294	5486603	AMVB	02	>5	9	Lo	-	Gy	-
052E	883230	00	15	402566	5489570	ACSP	02	>5	5	Lo	-	Gy	-
052E	883231	00	15	401829	5491663	AUB	02	pond	2	Lo	-	Br	-
052E	883232	00	15	400127	5493263	AUB	02	>5	19	Md	-	Gy	-
052E	883233	00	15	397485	5495360	AMVB	02	>5	9	Lo	Ca	Gy	-
052E	883234	00	15	393472	5495643	AMVB	02	>5	3	Lo	-	Gy	-
052E	883235	00	15	390150	5497230	AMVF	02	>5	4	Lo	Ca	Gy	-
052E	883236	00	15	386791	5496697	AMVB	02	>5	15	Lo	Ca	Gy	-
052E	883238	00	15	385637	5493420	ACSP	02	>5	7	Lo	Ca	Gy	-
052E	883239	00	15	384734	5494589	AMVF	02	>5	7	Lo	Ca	Gy	-
052E	883240	00	15	382385	5494536	AMVB	02	>5	5	Lo	CaGo	Gy	-
052E	883242	00	15	378883	5492545	AMVB	02	>5	15	Lo	-	Gy	-
052E	883243	10	15	375544	5492075	AMVB	02	.25-1	3	Lo	-	Br	-
052E	883244	20	15	375544	5492075	AMVB	02	.25-1	3	Lo	-	Br	-
052E	883246	00	15	373493	5493331	AMVB	02	1-5	8	Lo	Go	Br	-
052E	883247	00	15	373571	5495139	AMVB	02	>5	2	Lo	-	Gy	-
052E	883248	00	15	372920	5497022	AMVB	02	>5	29	Md	Go	Bk	-
052E	883249	00	15	371661	5498996	AMVF	02	>5	19	Md	Go	Gy	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883205 10	99	30	10	24	8	<	324	2	2	1.48	43	56.4	1.9	164	21	0.2	<	2.	10.0	<4	2.50	40.	6.4	<	61.	19.5	2.80
052E 883206 20	73	32	8	22	5	<	380	2	3	1.44	45	64.6	2.0	140	15	<	<	3.	10.0	<5	2.00	40.	6.3	<	62.	18.5	2.80
052E 883207 00	85	31	9	33	10	<	355	1	<	1.13	50	62.7	1.4	146	18	0.3	<	3.	10.0	-	-	40.	6.3	<	62.	18.5	3.92
052E 883208 00	130	38	20	40	12	<	556	3	<	3.11	40	15.0	5.7	484	41	0.2	0.2	2.	10.0	-	-	50.	6.2	<	55.	15.0	5.00
052E 883209 00	110	46	17	38	10	<	525	2	<	3.07	46	19.0	5.0	480	41	0.3	0.2	3.	10.0	-	-	50.	6.2	<	53.	13.5	4.60
052E 883210 00	111	38	18	41	15	<	694	2	<	3.15	30	8.2	3.2	473	40	0.2	0.3	<1	10.0	<2	5.00	60.	6.1	<	53.	13.5	4.80
052E 883211 00	106	35	20	41	15	<	923	3	<	2.93	50	14.0	4.8	440	43	0.3	0.2	2.	10.0	-	-	60.	6.2	0.44	54.	13.5	5.00
052E 883212 00	123	41	21	44	15	<	943	3	<	3.29	36	16.6	5.8	461	54	0.3	0.2	2.	10.0	-	-	50.	6.2	0.25	53.	13.5	4.60
052E 883213 00	106	41	18	38	12	<	542	3	<	2.88	40	15.6	5.0	382	44	0.3	0.2	1.	10.0	-	-	50.	6.2	<	52.	13.0	4.60
052E 883214 00	134	45	25	43	14	<	602	3	<	3.16	46	18.1	5.3	481	52	0.4	0.2	2.	10.0	-	-	60.	6.0	<	50.	13.5	4.40
052E 883215 00	88	57	17	36	11	<	269	8	2	2.63	46	18.9	4.6	334	31	0.3	0.3	<1	10.0	-	-	60.	6.2	<	50.	13.0	4.60
052E 883216 00	108	72	9	30	12	0.2	423	<	<	2.15	59	58.8	3.2	120	37	0.4	<	1.	10.0	-	-	50.	6.0	<	41.	13.0	1.86
052E 883218 00	70	43	13	30	10	<	278	1	<	2.33	33	19.6	4.4	223	26	0.2	0.2	1.	10.0	-	-	50.	6.0	<	37.	10.5	2.40
052E 883219 00	109	43	20	34	15	<	657	4	<	3.17	46	17.3	9.2	206	41	0.3	0.2	3.	10.0	2	5.00	50.	6.0	<	36.	11.0	2.40
052E 883220 00	103	51	16	37	12	<	579	2	<	3.05	50	20.0	4.1	332	39	<	0.2	6.	10.0	11	5.00	50.	6.0	<	33.	9.5	2.24
052E 883222 10	101	31	10	29	11	<	198	<	<	1.39	76	47.3	6.8	92	25	0.2	<	<1	10.0	-	-	60.	5.7	<	10.	4.0	1.40
052E 883223 20	108	30	10	30	11	<	195	<	<	1.40	81	47.7	6.8	95	21	0.3	0.2	<1	10.0	-	-	50.	5.7	<	10.	4.7	1.44
052E 883224 00	148	30	19	39	12	<	255	2	<	2.98	87	27.6	5.4	225	28	0.3	0.2	2.	10.0	-	-	50.	5.9	<	25.	4.7	2.08
052E 883225 00	111	46	15	35	11	<	368	2	<	2.12	46	32.1	6.1	202	23	0.4	0.2	2.	10.0	-	-	50.	6.0	<	36.	10.5	2.52
052E 883226 00	156	28	12	15	6	<	169	1	<	1.49	102	52.0	7.1	103	43	0.4	0.2	2.	10.0	-	-	60.	5.5	<	5.	3.7	1.20
052E 883227 00	127	39	15	37	11	<	178	2	<	1.76	78	31.1	5.5	190	23	0.3	<	<1	10.0	-	-	60.	6.0	<	38.	10.5	3.12
052E 883228 00	32	9	10	9	4	<	112	1	<	0.85	26	4.0	1.8	156	8	<	0.2	<1	10.0	1	10.00	50.	6.1	<	48.	14.0	4.20
052E 883229 00	123	48	20	43	13	<	675	4	<	3.16	41	15.5	5.9	425	42	0.2	0.2	<1	10.0	-	-	50.	6.2	<	51.	13.0	4.80
052E 883230 00	67	41	14	31	8	<	228	2	<	2.09	35	14.0	3.9	273	20	0.2	0.2	2.	10.0	-	-	50.	6.1	<	51.	14.0	4.60
052E 883231 00	100	26	9	18	6	<	122	<	<	0.87	52	70.1	1.5	71	9	0.4	<	<1	10.0	-	-	40.	6.5	<	69.	21.5	2.80
052E 883232 00	120	56	26	36	10	<	595	6	<	2.99	56	21.3	5.3	391	53	0.4	0.3	2.	10.0	-	-	50.	6.2	<	50.	13.0	4.40
052E 883233 00	143	44	22	42	15	<	688	4	<	3.46	44	15.9	5.9	474	48	0.4	0.2	2.	10.0	-	-	50.	6.3	<	51.	14.0	4.60
052E 883234 00	68	43	19	32	8	<	270	3	<	2.10	53	26.8	4.5	332	27	0.5	0.2	4.	10.0	4	10.00	50.	6.2	<	52.	14.0	4.60
052E 883235 00	86	46	18	34	9	<	438	3	<	2.54	56	19.8	4.5	375	35	0.6	0.2	3.	10.0	3	10.00	50.	6.2	<	52.	14.0	4.80
052E 883236 00	92	24	16	36	14	<	966	2	<	3.00	33	9.4	3.7	363	39	0.3	0.2	3.	10.0	6	2.50	50.	6.3	<	52.	13.5	4.60
052E 883238 00	123	39	23	46	16	<	997	4	<	3.20	47	13.0	5.6	492	48	0.4	0.3	5.	10.0	-	-	60.	6.3	<	52.	16.5	4.60
052E 883239 00	136	36	21	47	16	<	794	3	<	3.29	50	14.8	5.0	532	50	0.4	0.3	2.	10.0	-	-	50.	6.3	<	52.	16.5	4.80
052E 883240 00	136	35	22	47	19	<	1612	3	<	3.53	37	12.2	5.1	480	50	0.5	0.3	2.	10.0	-	-	50.	6.2	<	52.	13.5	5.00
052E 883242 00	147	38	25	41	10	<	580	2	<	3.37	47	14.0	4.6	526	50	0.4	0.3	<1	10.0	-	-	60.	6.1	<	56.	13.5	4.40
052E 883243 10	125	33	8	18	15	<	403	1	<	1.32	65	65.3	1.4	83	16	0.4	<	2.	10.0	-	-	40.	6.3	<	59.	18.5	3.00
052E 883244 20	145	30	9	16	11	<	378	1	<	1.36	68	67.7	1.1	77	15	0.5	<	2.	10.0	-	-	40.	6.3	<	60.	19.5	2.88
052E 883246 00	129	29	12	29	8	<	345	2	3	1.62	53	51.8	3.5	204	25	0.2	0.2	<1	10.0	-	-	50.	6.2	<	78.	21.5	4.00
052E 883247 00	116	16	10	25	12	<	169	1	2	1.86	33	56.6	1.8	219	19	<	0.2	<1	10.0	-	-	50.	6.5	<	76.	19.0	5.20
052E 883248 00	121	24	21	21	9	<	9698	10	3	5.06	59	38.9	2.0	168	38	0.3	0.3	<1	10.0	-	-	50.	6.5	<	71.	17.5	4.60
052E 883249 00	38	17	13	14	11	<	220	3	<	1.21	30	8.8	2.0	197	13	<	0.2	3.	10.0	<1	10.00	50.	6.3	<	58.	14.5	4.60

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn	Easting	Northing	Unit	Age	Area					Depth
052E	883250	00	15	369757	5496892	AMVB	02	>5	9	Lo	-	Br	-
052E	883251	00	15	368276	5498044	AMVB	02	>5	3	Md	-	Br	-
052E	883252	00	15	366117	5499690	AGM	02	1-5	18	Lo	-	Br	-
052E	883253	00	15	367543	5501268	AMVB	02	>5	16	Lo	CaGo	Gy	-
052E	883254	00	15	369001	5504565	AMVB	02	>5	9	Lo	Ca	Gy	-
052E	883255	00	15	370448	5507539	AMVB	02	>5	15	Md	Ca	Gy	-
052E	883256	00	15	371987	5510315	AGM	02	1-5	8	Lo	Ca	Br	-
052E	883257	00	15	371870	5502389	AMVB	02	>5	20	Lo	CaGo	Gy	-
052E	883258	00	15	375343	5501206	AMVB	02	>5	18	Lo	Ca	Gy	-
052E	883259	00	15	376415	5505405	AMVB	02	>5	18	Lo	Ca	Gy	-
052E	883260	00	15	376314	5508859	AMVB	02	.25-1	6	Lo	-	Br	-
052E	883262	00	15	374447	5511370	AGM	02	.25-1	14	Lo	-	Gy	-
052E	883263	00	15	371228	5513488	AGM	02	.25-1	10	Lo	-	Br	-
052E	883264	00	15	374496	5515540	AGM	02	.25-1	4	Lo	Ca	Br	-
052E	883265	00	15	371881	5516424	AGM	02	1-5	7	Lo	Ca	Br	-
052E	883266	10	15	375390	5518452	AGM	02	.25-1	8	Lo	Ca	Br	-
052E	883267	20	15	375390	5518452	AGM	02	.25-1	8	Lo	Ca	Br	-
052E	883268	00	15	379000	5518759	AGM	02	1-5	14	Lo	Ca	Bk	-
052E	883269	00	15	380197	5522442	AGM	02	.25-1	6	Lo	-	Br	-
052E	883270	00	15	379770	5525298	AGM	02	1-5	8	Lo	-	Br	-
052E	883271	00	15	383127	5525286	AGM	02	>5	11	Lo	-	Gy	-
052E	883272	00	15	384816	5529151	AGM	02	.25-1	5	Lo	-	Br	-
052E	883273	00	15	386894	5527183	AGM	02	>5	3	Lo	-	Br	-
052E	883274	00	15	391770	5529388	AGM	02	>5	3	Lo	Ca	Br	-
052E	883275	00	15	393024	5532156	AGY	02	1-5	9	Lo	Ca	Br	-
052E	883276	00	15	397429	5536888	AGM	02	1-5	19	Lo	Ca	Br	-
052E	883277	00	15	400963	5538491	AGM	02	.25-1	9	Lo	Ca	Br	-
052E	883278	00	15	400961	5535755	AGM	02	1-5	11	Lo	Ca	Br	-
052E	883280	00	15	397903	5533719	AGM	02	1-5	9	Lo	Ca	Br	-
052E	883282	00	15	397989	5530944	AGY	02	1-5	7	Lo	-	Gy	-
052E	883283	00	15	398487	5527750	AGM	02	.25-1	4	Lo	-	Br	-
052E	883284	00	15	395753	5526566	AGM	02	>5	3	Lo	Ca	Br	-
052E	883285	10	15	393447	5523072	AGM	02	.25-1	7	Lo	Ca	Br	-
052E	883286	20	15	393447	5523072	AGM	02	.25-1	7	Lo	Ca	Br	-
052E	883287	00	15	389888	5522764	AGM	02	pond	5	Lo	Ca	Br	-
052E	883288	00	15	382470	5522915	AGM	02	.25-1	3	Lo	Ca	Gy	-
052E	883289	00	15	382985	5519143	AGM	02	.25-1	7	Lo	-	Br	-
052E	883290	00	15	382299	5515637	AGM	02	1-5	8	Lo	Ca	Br	-
052E	883291	00	15	379175	5515621	AGM	02	1-5	2	Lo	Ca	Br	-
052E	883292	00	15	376456	5512463	AGM	02	.25-1	9	Lo	-	Br	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20	0.05	ppm	ppm	ppm	
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883250 00	117	41	18	37	10	<	191	7	2	1.86	56	44.4	3.3	311	30	0.4	0.2	7.	10.0	6	2.50	50.	6.3	<	60.	15.0	4.60
052E 883251 00	113	59	18	48	9	<	378	5	<	1.91	50	40.8	2.8	274	27	0.4	0.2	<1	10.0	-	-	50.	6.4	<	58.	15.0	4.40
052E 883252 00	175	32	22	16	12	<	692	8	3	1.83	68	56.2	2.8	227	19	0.7	0.3	<1	10.0	-	-	40.	6.6	<	76.	19.0	4.80
052E 883253 00	127	46	25	35	8	<	485	5	<	2.99	47	16.4	4.3	354	38	0.3	0.3	2.	10.0	-	-	40.	6.4	<	57.	16.5	5.00
052E 883254 00	120	48	29	36	8	<	347	6	<	2.77	60	19.1	4.3	380	41	0.5	0.3	<1	10.0	-	-	50.	6.4	<	57.	15.0	4.80
052E 883255 00	111	34	19	40	11	<	956	9	<	2.75	33	14.2	4.7	359	40	0.2	0.2	<1	10.0	-	-	50.	6.3	<	57.	15.0	4.60
052E 883256 00	111	32	16	36	10	<	601	2	<	2.79	60	21.7	4.5	331	36	0.3	0.2	<1	10.0	-	-	50.	5.8	<	16.	4.3	1.36
052E 883257 00	115	49	27	39	13	<	585	6	<	3.56	70	18.4	4.7	426	50	0.5	0.3	2.	10.0	-	-	50.	6.3	<	57.	13.5	4.60
052E 883258 00	128	42	23	40	15	<	871	5	<	3.88	65	17.2	4.3	465	47	0.2	0.3	1.	10.0	-	-	50.	6.3	<	58.	16.0	5.00
052E 883259 00	113	46	21	39	9	<	291	5	<	2.82	59	17.7	4.2	380	42	0.5	0.3	<1	10.0	-	-	50.	6.4	<	58.	15.0	4.80
052E 883260 00	109	52	3	21	8	<	151	<	<	0.69	62	63.7	1.8	58	20	0.3	<	<1	10.0	-	-	40.	6.7	<	79.	28.5	2.40
052E 883262 00	37	14	5	16	6	<	235	1	<	1.50	16	2.6	2.9	291	11	<	0.2	<1	10.0	<1	10.00	60.	5.8	<	16.	4.3	1.08
052E 883263 00	149	29	12	16	9	<	586	1	<	1.87	68	51.6	4.2	117	21	0.5	<	<1	10.0	-	-	50.	5.6	<	10.	3.2	0.92
052E 883264 00	128	26	14	36	11	<	382	2	<	2.42	102	28.5	5.6	340	38	0.4	<	<1	10.0	-	-	50.	5.8	<	16.	4.3	1.40
052E 883265 00	118	28	12	35	11	<	382	2	<	2.32	109	31.4	6.1	301	37	0.4	0.2	2.	10.0	-	-	50.	5.8	<	17.	4.7	1.48
052E 883266 10	146	35	11	21	13	<	586	1	<	2.30	123	52.6	3.9	130	41	0.4	<	<1	10.0	-	-	50.	5.7	<	10.	3.5	1.32
052E 883267 20	175	31	13	20	13	<	615	2	<	2.36	130	52.8	3.7	120	47	0.4	0.3	<1	10.0	-	-	50.	5.7	<	10.	3.4	1.32
052E 883268 00	100	34	22	29	9	<	432	4	<	3.02	84	19.8	5.2	318	42	0.2	0.3	<1	10.0	-	-	50.	6.2	<	46.	11.5	3.80
052E 883269 00	128	19	13	25	11	<	263	2	<	2.14	146	33.5	7.9	195	39	0.5	<	<1	10.0	-	-	50.	5.8	<	10.	3.3	1.40
052E 883270 00	131	30	9	37	10	<	287	1	<	2.41	84	29.3	11.6	313	31	<	0.2	<1	10.0	-	-	50.	5.7	<	14.	3.7	1.48
052E 883271 00	137	45	18	37	11	<	446	4	<	3.00	65	16.1	4.8	365	40	0.3	0.3	2.	10.0	-	-	50.	6.2	<	53.	14.5	5.00
052E 883272 00	139	28	15	39	10	<	204	2	<	2.39	81	35.6	10.1	273	26	0.4	0.2	<1	10.0	-	-	50.	6.1	<	38.	9.3	3.40
052E 883273 00	50	12	12	13	5	<	112	2	<	0.99	59	8.4	2.5	170	5	<	0.2	<1	10.0	2	10.00	50.	6.3	<	52.	14.0	4.80
052E 883274 00	83	44	11	28	6	<	205	1	<	1.88	55	25.1	7.1	206	19	0.4	0.2	<1	10.0	-	-	50.	6.3	<	52.	13.5	5.00
052E 883275 00	129	40	12	36	10	<	391	2	<	2.50	90	33.7	15.3	282	38	0.3	<	<1	10.0	-	-	50.	5.9	<	23.	7.0	2.80
052E 883276 00	129	26	25	23	12	<	1013	4	<	3.85	133	25.6	8.8	265	60	0.4	0.2	1.	10.0	-	-	60.	5.8	<	14.	4.7	1.32
052E 883277 00	125	20	7	13	7	<	309	<	<	1.44	50	52.6	11.9	142	12	0.6	<	<1	10.0	-	-	60.	5.3	<	8.	3.1	0.68
052E 883278 00	116	37	15	31	10	<	330	2	<	2.61	56	23.0	6.6	329	37	0.3	0.2	<1	10.0	-	-	60.	5.5	<	12.	3.5	1.04
052E 883280 00	107	29	11	31	9	<	482	1	<	2.65	62	25.2	13.8	268	36	<	0.2	<1	10.0	-	-	50.	5.8	<	18.	5.3	1.48
052E 883282 00	104	31	10	31	11	<	599	2	<	2.51	34	15.3	6.5	290	24	0.3	0.2	2.	10.0	-	-	40.	5.7	<	19.	5.2	1.48
052E 883283 00	97	25	11	30	8	<	220	1	<	2.03	68	35.8	6.8	222	19	0.3	0.2	<1	10.0	-	-	40.	5.7	<	17.	4.2	1.48
052E 883284 00	106	34	13	35	9	<	260	3	<	2.30	47	25.9	4.9	344	23	0.4	0.2	<1	10.0	-	-	30.	5.7	<	17.	5.3	1.52
052E 883285 10	140	20	30	27	7	<	269	6	<	2.56	102	42.0	8.1	236	31	0.5	0.2	-	-	-	-	40.	5.8	<	24.	5.0	2.12
052E 883286 20	137	21	26	30	7	<	261	4	<	2.49	115	42.2	8.3	247	31	0.5	0.2	<1	10.0	-	-	40.	5.8	<	25.	5.2	2.28
052E 883287 00	137	31	12	32	8	<	150	2	<	1.73	74	45.9	5.9	227	19	0.3	0.2	<1	10.0	-	-	50.	5.8	<	26.	6.3	2.28
052E 883288 00	91	32	10	32	9	<	325	4	<	2.48	25	25.9	5.0	286	28	0.2	0.2	<1	10.0	-	-	40.	5.8	<	25.	5.3	2.60
052E 883289 00	107	25	11	29	10	<	402	1	<	2.30	68	22.5	9.4	238	21	0.2	0.2	<1	10.0	-	-	40.	5.6	<	11.	3.3	1.20
052E 883290 00	118	35	15	33	10	<	553	2	<	2.50	71	30.9	4.9	291	25	0.3	0.2	<1	10.0	-	-	40.	5.8	<	24.	6.5	2.40
052E 883291 00	102	20	9	33	8	<	523	2	<	2.16	34	27.2	3.0	284	19	0.2	0.2	<1	10.0	-	-	50.	5.9	<	34.	8.7	3.80
052E 883292 00	124	29	18	18	13	<	593	3	<	2.50	124	49.8	3.8	110	42	0.4	0.2	<1	10.0	-	-	40.	5.7	<	10.	3.5	1.08

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock		Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl
			Zn	Easting Northing	Unit Age	Area Depth						
052E	883293	00	15	378978 5511276	AGM 02	1-5 20	Lo	Ca	Br	-		
052E	883294	00	15	383869 5513702	AGM 02	1-5 5	Md	Ca	Br	-		
052E	883295	00	15	384798 5516386	AGM 02	.25-1 4	Md	Ca	Br	-		
052E	883296	00	15	387538 5517068	AGM 02	>5 14	Md	Ca	Gy	-		
052E	883297	00	15	392560 5520172	AGM 02	1-5 20	Md	Ca	Gy	-		
052E	883298	00	15	397244 5519250	AGM 02	>5 10	Md	Ca	Gy	-		
052E	883300	00	15	399500 5520289	AGM 02	>5 4	Md	Ca	Br	-		
052E	883302	00	15	400940 5519416	AGM 02	1-5 6	Md	Ca	Br	-		
052E	883303	10	15	399077 5525176	AGM 02	.25-1 4	Md	-	Br	-		
052E	883304	20	15	399077 5525176	AGM 02	.25-1 4	Md	-	Br	-		
052E	883305	00	15	400983 5529140	AGM 02	1-5 5	Md	-	Br	-		
052E	883306	00	15	401890 5532484	AGM 02	.25-1 4	Md	-	Br	-		
052E	883307	00	15	403693 5534685	AGM 02	1-5 8	Md	-	Gy	-		
052E	883308	00	15	404980 5538855	AGM 02	.25-1 17	Md	-	Br	-		
052E	883309	00	15	407344 5537715	AGM 02	1-5 14	Md	-	Br	-		
052E	883310	00	15	411609 5538120	AGM 02	.25-1 5	Md	Go	Br	-		
052E	883311	00	15	414103 5538526	AGM 02	1-5 28	Md	Ca	Br	-		
052E	883312	00	15	419490 5537543	AGM 02	.25-1 6	Lo	-	Br	-		
052E	883313	00	15	418204 5535106	AGM 02	.25-1 6	Md	-	Br	-		
052E	883314	00	15	415175 5535450	AGM 02	1-5 12	Md	-	Br	-		
052E	883315	00	15	413140 5536052	AGM 02	.25-1 15	Md	-	Br	-		
052E	883316	00	15	409093 5535422	AGM 02	1-5 12	Md	-	Br	-		
052E	883317	00	15	407237 5531387	AGM 02	.25-1 7	Md	-	Br	-		
052E	883319	00	15	404440 5530694	AGM 02	.25-1 7	Md	-	Br	-		
052E	883320	00	15	404221 5527910	AGM 02	1-5 12	Md	-	Br	-		
052E	883322	10	15	402187 5525155	AGM 02	pond 9	Md	-	Br	-		
052E	883324	20	15	402187 5525155	AGM 02	pond 9	Md	-	Br	-		
052E	883325	00	15	403212 5522352	AGM 02	1-5 8	Md	Ca	Br	-		
052E	883326	00	15	403895 5519219	AGM 02	>5 6	Hi	-	Gy	-		
052E	883327	00	15	405105 5517353	AGY 02	1-5 7	Md	Ca	Br	-		
052E	883328	00	15	398319 5514733	AMVB 02	pond 8	Md	-	Bk	-		
052E	883329	00	15	396084 5514659	AMVF 02	.25-1 9	Md	Ca	Bk	-		
052E	883330	00	15	395006 5513076	AMVB 02	1-5 7	Md	Ca	Gy	-		
052E	883331	00	15	394628 5515818	AGM 02	1-5 9	Lo	Ca	Br	-		
052E	883332	00	15	385799 5511108	AMVF 02	>5 8	Md	Ca	Br	-		
052E	883333	00	15	387537 5513647	AGM 02	>5 9	Lo	Ca	Br	-		
052E	883334	00	15	382981 5510745	AMVF 02	.25-1 6	Lo	-	Br	-		
052E	883335	00	15	380535 5508414	AMVF 02	>5 11	Lo	Ca	Gy	-		
052E	883336	00	15	378274 5508385	AMVF 02	.25-1 9	Lo	Ca	Br	-		
052E	883337	00	15	378380 5506092	ACSP 02	>5 6	Lo	-	Gy	-		

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data, Ontario, 1989, GSC OF-1957, NGR 120-1989, MTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-WA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883293 00	147	46	15	31	11	<	741	3	<	2.98	124	28.9	4.5	199	42	0.4	0.2	<1	10.0	-	-	30.	5.8	<	21.	6.7	1.48
052E 883294 00	122	42	19	37	12	<	243	2	<	2.28	118	31.9	5.1	265	28	0.2	0.3	<1	10.0	-	-	40.	6.0	<	38.	9.8	3.32
052E 883295 00	95	21	12	24	7	<	140	1	<	1.74	65	29.7	7.2	304	19	0.2	0.2	<1	10.0	-	-	40.	5.8	<	23.	5.5	2.28
052E 883296 00	87	30	24	21	6	<	260	3	<	2.12	257	13.8	3.8	248	21	0.2	0.2	6.	10.0	9	10.00	40.	6.1	<	53.	14.0	4.80
052E 883297 00	123	27	21	25	18	<	3328	5	<	5.99	105	31.9	6.1	307	55	<	0.2	<1	10.0	-	-	40.	6.1	<	53.	13.5	5.00
052E 883298 00	118	28	13	28	11	<	608	3	<	3.17	62	16.4	7.6	307	33	<	0.2	<1	10.0	-	-	40.	6.0	<	27.	7.3	3.40
052E 883300 00	104	47	12	31	9	<	338	2	<	2.27	50	26.5	8.1	241	33	0.2	0.2	2.	10.0	-	-	40.	5.8	<	17.	5.5	1.64
052E 883302 00	103	35	14	31	10	<	355	2	<	2.64	81	28.7	7.1	321	22	0.4	0.2	3.	10.0	<4	2.50	40.	5.8	<	19.	5.7	1.60
052E 883303 10	127	33	16	35	10	<	230	2	<	2.67	112	28.3	6.9	320	40	<	0.2	2.	10.0	3	5.00	40.	5.7	<	18.	5.0	1.40
052E 883304 20	123	33	16	36	10	<	228	2	<	2.72	121	28.4	6.6	315	39	0.2	0.2	3.	10.0	<2	5.00	40.	5.8	<	17.	4.5	2.28
052E 883305 00	117	25	11	31	11	<	326	2	<	2.67	78	23.9	5.6	301	23	0.2	0.2	2.	10.0	-	-	40.	5.7	<	17.	4.7	1.64
052E 883306 00	105	18	9	17	9	<	237	1	2	4.75	62	41.6	10.9	206	19	<	<	3.	10.0	<4	2.50	50.	5.7	<	16.	4.3	1.32
052E 883307 00	93	24	18	25	10	<	451	2	<	2.87	84	18.7	6.4	338	33	0.3	0.2	4.	10.0	<5	2.00	40.	5.6	<	10.	3.3	0.92
052E 883308 00	57	14	20	8	9	<	581	3	<	3.01	95	17.6	6.5	257	29	<	0.3	<1	10.0	-	-	50.	5.6	<	10.	3.7	0.96
052E 883309 00	141	27	11	14	7	<	549	2	3	2.82	37	36.8	26.8	236	21	0.3	<	3.	10.0	3	5.00	30.	5.3	<	7.	2.7	0.72
052E 883310 00	127	35	7	35	12	<	447	1	<	1.58	56	34.7	6.7	205	11	0.5	<	3.	10.0	<2	5.00	30.	5.5	<	7.	2.4	0.72
052E 883311 00	91	32	9	19	6	<	341	2	<	2.47	93	28.9	5.4	250	42	<	<	1.	10.0	-	-	30.	5.6	<	9.	3.4	1.08
052E 883312 00	152	15	4	20	8	<	144	<	2	1.77	62	64.3	3.7	380	17	0.3	<	3.	10.0	<4	2.50	30.	5.5	<	6.	2.7	0.92
052E 883313 00	107	21	16	20	8	<	260	2	<	2.14	81	31.5	5.7	215	18	0.4	0.2	3.	10.0	<2	5.00	30.	5.6	<	8.	3.5	1.00
052E 883314 00	123	38	12	18	6	<	307	2	<	1.66	99	36.5	6.2	259	25	0.4	0.2	2.	10.0	-	-	40.	5.6	<	8.	3.3	1.04
052E 883315 00	144	39	12	23	10	<	770	2	2	3.09	59	34.7	6.3	220	31	0.4	<	<1	10.0	-	-	30.	5.6	<	8.	2.8	0.96
052E 883316 00	141	32	11	30	21	<	979	4	2	4.65	47	21.0	20.5	315	46	0.3	0.2	5.	10.0	1	10.00	40.	5.5	<	8.	3.1	0.92
052E 883317 00	112	24	18	27	13	<	302	2	<	2.73	115	25.3	6.8	283	42	0.2	0.2	1.	10.0	-	-	30.	5.6	<	9.	3.4	1.00
052E 883319 00	125	27	17	28	11	<	352	2	<	2.50	118	30.5	4.0	337	24	0.3	0.2	4.	10.0	<2	5.00	70.	5.7	<	9.	3.7	1.28
052E 883320 00	127	32	13	32	14	<	724	2	<	3.31	90	29.7	4.8	380	30	<	0.2	15.	10.0	<4	2.50	40.	5.9	<	23.	6.3	2.26
052E 883322 10	113	30	10	27	12	<	538	1	<	2.89	79	38.9	9.7	220	39	0.3	<	3.	10.0	<4	2.50	50.	5.7	<	11.	3.2	1.40
052E 883324 20	99	29	11	26	11	<	536	1	<	2.65	76	37.8	9.5	223	39	0.2	<	1.	10.0	<4	2.50	60.	5.8	<	11.	3.2	1.48
052E 883325 00	161	36	5	39	12	<	217	1	<	1.54	61	48.5	4.4	242	29	<	<	<1	10.0	-	-	30.	5.9	<	19.	5.3	2.20
052E 883326 00	45	16	8	15	6	<	264	1	<	1.24	24	3.0	3.2	333	17	<	0.2	4.	10.0	8	10.00	30.	5.8	<	16.	5.0	1.40
052E 883327 00	131	29	14	28	11	<	667	2	<	2.88	91	19.2	5.9	419	38	0.4	<	4.	10.0	2	10.00	40.	5.9	<	22.	7.0	1.72
052E 883328 00	129	52	20	26	12	<	683	2	<	3.35	155	37.9	3.1	198	47	0.3	0.2	3.	10.0	<2	5.00	30.	6.4	<	67.	21.5	2.00
052E 883329 00	125	44	18	31	12	<	754	2	<	3.11	105	23.8	4.0	285	47	0.2	0.2	1.	10.0	-	-	40.	6.5	<	72.	25.0	5.40
052E 883330 00	146	32	20	30	11	<	473	2	<	2.96	119	22.4	3.5	373	38	0.3	0.2	8.	10.0	<5	2.00	40.	6.5	<	83.	23.5	5.00
052E 883331 00	111	22	9	19	7	<	473	<	<	1.95	58	31.1	3.9	235	25	0.2	<	1.	10.0	-	-	50.	6.3	<	56.	16.5	3.88
052E 883332 00	111	29	12	34	10	<	542	2	<	1.87	76	40.9	3.0	243	30	0.2	<	2.	10.0	-	-	50.	6.2	<	54.	13.5	5.40
052E 883333 00	142	47	26	43	11	<	383	3	<	3.04	116	20.4	6.1	396	40	0.3	0.2	1.	10.0	-	-	40.	6.2	<	52.	13.5	3.92
052E 883334 00	135	32	14	22	8	<	470	2	<	1.79	105	52.5	2.0	143	33	0.5	<	3.	10.0	4	5.00	40.	6.3	<	48.	21.5	3.48
052E 883335 00	107	37	20	31	8	<	214	3	<	2.00	52	17.0	3.9	343	27	<	0.2	17.	10.0	17	10.00	30.	6.2	<	56.	15.0	3.92
052E 883336 00	97	22	5	14	4	<	170	<	<	1.08	76	58.9	2.7	109	17	0.2	0.2	5.	10.0	<1	10.00	30.	6.3	<	54.	18.5	2.28
052E 883337 00	72	36	11	34	7	<	246	4	<	1.49	40	29.6	3.5	265	24	0.2	0.2	2.	10.0	-	-	30.	6.2	<	56.	13.5	4.80

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit Age	Lake Area Depth	Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
			Zn Easting	Northing							
052E	883338	00	15	377142	5503534	AMVB 02	>5 2	Lo	Ca	Gy	-
052E	883339	00	15	379320	5502720	AMVF 02	>5 4	Lo	Ca	Gy	-
052E	883340	00	15	377384	5498414	AMVB 02	.25-1 1	Lo	-	Br	-
052E	883342	00	15	375481	5496786	AMVB 02	>5 11	Lo	-	Br	-
052E	883343	10	15	376523	5494733	AMVB 02	.25-1 9	Lo	-	Br	-
052E	883344	20	15	376523	5494733	AMVB 02	.25-1 9	Lo	-	Br	-
052E	883345	00	15	377752	5496288	AMVB 02	.25-1 12	Lo	Go	Br	-
052E	883346	00	15	379976	5496045	AMVB 02	.25-1 14	Lo	Go	Br	-
052E	883347	00	15	380136	5495236	AMVB 02	.25-1 9	Lo	Ca	Br	-
052E	883348	00	15	382150	5496209	AMVB 02	>5 16	Lo	Ca	Gy	-
052E	883349	00	15	382345	5497831	AMVB 02	.25-1 2	Lo	-	Br	-
052E	883350	00	15	380195	5498358	AMVB 02	.25-1 6	Lo	Ca	Gy	-
052E	883351	00	15	382320	5502985	AMVB 02	.25-1 2	Lo	-	Br	-
052E	883353	00	15	386857	5502047	AMVB 02	>5 21	Lo	CaGo	Gy	-
052E	883354	00	15	394731	5501807	AMVF 02	>5 12	Lo	Ca	Gy	-
052E	883355	00	15	397585	5500360	AUB 02	>5 1	Lo	CaGo	Br	-
052E	883356	00	15	398520	5497483	AUB 02	>5 10	Lo	Ca	Gy	-
052E	883357	00	15	403746	5494224	AMVF 02	>5 2	Lo	-	Br	-
052E	883358	00	15	403962	5492113	AMVF 02	.25-1 6	Lo	-	Br	-
052E	883359	00	15	404545	5488638	ACSP 02	>5 1	Lo	-	Gy	-
052E	883360	00	15	405767	5486696	AGM 02	.25-1 19	Lo	-	Br	-
052E	883362	00	15	407893	5487952	AGM 02	1-5 10	Lo	-	Br	-
052E	883363	00	15	413583	5485143	AMVB 02	.25-1 3	Lo	-	Br	-
052E	883364	00	15	419861	5483035	ACSP 02	1-5 12	Lo	-	Br	-
052E	883365	00	15	424055	5485453	AGM 02	.25-1 9	Lo	-	Br	-
052E	883366	00	15	422784	5488805	AGM 02	1-5 6	Lo	Ca	Br	-
052E	883367	00	15	420002	5487806	AGM 02	1-5 4	Lo	-	Br	-
052E	883368	00	15	417919	5488987	ACSP 02	.25-1 12	Lo	-	Br	-
052E	883369	00	15	419407	5490913	ACSP 02	1-5 9	Lo	-	Br	-
052E	883370	00	15	418433	5492845	ACSP 02	.25-1 6	Md	-	Br	-
052E	883371	10	15	414901	5492664	AMVF 02	.25-1 3	Lo	-	Br	-
052E	883372	20	15	414901	5492664	AMVF 02	.25-1 3	Lo	-	Br	-
052E	883374	00	15	413612	5496029	AMVB 02	.25-1 11	Lo	-	Br	-
052E	883375	00	15	414599	5494960	AMVB 02	.25-1 9	Lo	-	Br	-
052E	883376	00	15	416780	5494406	AMVB 02	>5 4	Lo	Ca	Br	-
052E	883377	00	15	416515	5495800	AMVB 02	.25-1 6	Lo	-	Br	-
052E	883378	00	15	418564	5496537	AMVB 02	>5 14	Lo	Ca	Br	-
052E	883379	00	15	420036	5496490	AMVB 02	>5 23	Lo	Ca	Br	-
052E	883380	00	15	421651	5494567	ACSP 02	.25-1 7	Lo	Ca	Br	-
052E	883382	10	15	422741	5492697	AGM 02	.25-1 6	Lo	-	Br	Lgt

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data, Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883338 00	66	18	8	15	5	<	202	3	<	1.48	27	12.6	2.5	320	16	0.2	0.2	4.	10.0	1	10.00	40.	6.3	<	58.	15.0	5.20
052E 883339 00	53	24	12	22	6	<	221	4	<	1.58	33	13.6	3.4	301	21	0.2	0.2	3.	10.0	<1	10.00	30.	6.3	<	57.	15.0	4.60
052E 883340 00	108	19	7	22	5	0.2	116	5	<	0.86	40	72.1	9.7	149	16	0.3	<	<1	10.0	-	-	30.	6.0	<	52.	17.5	2.68
052E 883342 00	119	32	16	34	9	0.3	382	3	<	2.03	61	28.2	3.7	358	37	<	0.2	2.	10.0	-	-	40.	6.3	<	81.	15.0	3.60
052E 883343 10	117	28	10	23	7	<	353	1	<	1.44	70	55.2	2.1	215	26	<	<	2.	10.0	24	2.50	30.	6.1	<	53.	17.5	2.28
052E 883344 20	106	25	7	16	6	<	248	1	2	1.28	79	55.8	2.3	203	24	<	<	4.	10.0	9	5.00	30.	6.1	<	52.	16.5	2.28
052E 883345 00	116	38	21	49	10	<	566	3	2	1.15	76	29.8	3.0	391	36	0.6	0.2	5.	10.0	6	5.00	40.	6.4	<	97.	31.5	3.88
052E 883346 00	150	65	7	25	8	<	414	1	3	1.31	64	61.2	2.8	239	25	0.6	0.2	7.	10.0	6	2.00	30.	6.4	<	92.	15.0	5.60
052E 883347 00	124	39	9	23	6	0.2	566	1	5	1.76	76	50.4	1.9	209	22	0.4	<	3.	10.0	2	5.00	20.	6.1	<	50.	17.5	2.20
052E 883348 00	139	33	16	39	13	<	1034	2	<	3.66	46	12.8	4.8	568	48	0.2	0.2	10.	5.00	-	-	30.	6.2	<	52.	15.0	4.80
052E 883349 00	116	28	5	16	4	<	198	<	<	1.03	46	73.2	1.6	433	14	0.2	0.2	4.	10.0	5	2.50	30.	6.4	<	85.	20.0	8.40
052E 883350 00	97	44	13	36	8	<	329	4	<	2.23	40	16.2	4.1	414	26	0.3	0.2	5.	10.0	<4	2.50	30.	6.1	<	53.	13.5	4.80
052E 883351 00	103	15	5	21	4	<	144	1	<	0.63	43	66.0	2.9	471	12	0.6	0.2	<1	10.0	-	-	40.	6.2	<	50.	14.0	5.00
052E 883353 00	115	31	17	35	9	0.2	1201	4	<	3.34	36	13.2	3.9	541	48	<	0.2	1.	10.0	-	-	40.	6.2	<	52.	13.5	5.40
052E 883354 00	126	43	13	43	11	<	566	4	<	3.17	52	14.8	5.7	492	37	0.3	0.2	3.	10.0	-	-	30.	6.1	<	52.	15.0	5.20
052E 883355 00	89	55	136	36	7	<	223	3	<	1.65	70	39.8	6.0	309	27	0.4	0.2	2.	10.0	-	-	30.	6.1	<	51.	15.0	4.80
052E 883356 00	118	41	16	41	12	<	545	4	<	2.94	52	12.8	4.9	440	33	0.3	0.2	3.	10.0	32	5.00	30.	6.1	<	52.	15.0	5.20
052E 883357 00	99	51	12	42	9	<	184	2	<	1.93	52	31.6	4.9	328	29	0.3	0.2	3.	10.0	4	2.50	30.	6.1	<	50.	14.0	5.20
052E 883358 00	121	30	13	21	9	<	534	2	2	2.61	88	33.9	2.0	215	31	<	0.2	2.	10.0	-	-	40.	6.3	<	73.	23.5	2.60
052E 883359 00	132	32	13	35	9	<	202	2	<	2.24	64	27.3	4.9	362	32	0.4	0.2	2.	10.0	-	-	30.	6.1	<	47.	13.5	3.92
052E 883360 00	148	49	19	43	10	<	425	2	<	2.43	127	30.1	5.0	326	39	0.3	0.2	3.	10.0	2	5.00	30.	5.9	0.13	25.	7.3	2.12
052E 883362 00	137	26	12	26	10	<	313	1	<	1.64	76	36.1	7.6	222	25	0.6	0.2	3.	10.0	<2	5.00	40.	5.7	<	9.	3.4	1.08
052E 883363 00	127	37	3	16	6	<	109	<	<	1.16	49	70.7	1.6	70	22	0.3	0.2	3.	10.0	<4	2.50	50.	6.4	<	67.	23.5	2.28
052E 883364 00	115	36	16	38	11	<	382	2	<	2.16	88	27.4	4.7	225	29	0.4	0.2	2.	10.0	-	-	40.	5.8	<	16.	4.7	1.48
052E 883365 00	103	23	11	19	13	<	664	2	<	2.46	97	32.1	8.5	172	30	0.3	0.2	3.	10.0	<2	5.00	40.	5.7	<	9.	3.1	1.32
052E 883366 00	50	7	4	11	7	<	191	1	<	0.94	27	5.0	2.9	182	11	<	0.2	3.	10.0	<2	5.00	40.	5.7	<	10.	3.7	1.52
052E 883367 00	120	28	10	32	12	<	600	2	<	2.18	70	25.1	7.2	228	31	0.3	0.2	2.	10.0	-	-	30.	5.7	<	12.	3.8	1.60
052E 883368 00	172	32	24	23	8	<	499	5	2	1.82	142	53.8	2.8	106	25	0.8	0.3	2.	10.0	-	-	20.	5.9	<	31.	9.8	1.36
052E 883369 00	116	28	14	32	12	<	578	1	<	2.86	97	30.7	5.1	202	36	0.3	0.2	3.	10.0	3	5.00	20.	5.8	<	15.	5.3	1.40
052E 883370 00	127	56	4	37	10	<	146	<	<	1.61	64	59.9	3.0	136	20	0.2	<	1.	10.0	-	-	20.	5.9	<	33.	9.8	1.48
052E 883371 10	96	20	4	12	4	<	126	<	<	0.68	55	63.3	1.7	95	16	0.2	0.2	1.	10.0	-	-	20.	6.0	<	31.	12.5	1.40
052E 883372 20	107	16	8	12	4	<	132	1	2	0.65	64	62.4	1.6	89	16	0.2	0.2	<1	10.0	-	-	30.	5.8	<	31.	9.9	1.32
052E 883374 00	116	256	15	98	14	<	268	1	4	1.88	140	49.6	3.7	165	28	0.2	0.2	<2	5.00	-	-	20.	6.2	<	45.	17.0	1.88
052E 883375 00	125	121	9	34	10	<	526	1	2	1.80	103	48.4	1.7	178	28	0.3	<	4.	10.0	<2	5.00	30.	6.4	<	59.	23.5	1.08
052E 883376 00	132	60	6	31	4	0.2	78	<	6	1.04	36	68.1	1.9	94	19	<	<	<4	2.50	-	-	20.	6.0	<	35.	13.5	1.52
052E 883377 00	117	129	5	41	13	<	190	<	3	1.51	88	49.6	3.3	119	25	0.3	<	<2	5.00	-	-	30.	6.3	<	50.	20.0	1.36
052E 883378 00	85	36	5	22	6	<	131	1	3	1.24	43	30.4	3.0	208	19	<	<	<1	10.0	-	-	20.	6.0	<	34.	13.5	1.60
052E 883379 00	111	53	9	25	6	<	139	1	2	1.43	52	36.2	3.7	149	25	0.2	0.2	<1	10.0	-	-	30.	6.0	<	34.	12.5	1.52
052E 883380 00	103	28	8	34	12	<	276	<	2	1.85	52	29.9	6.2	206	26	<	<	<1	10.0	-	-	30.	5.7	<	11.	3.5	1.32
052E 883382 10	113	31	6	23	11	<	174	<	3	1.22	88	61.9	2.7	84	21	0.4	<	<1	10.0	-	-	40.	5.2	<	3.	1.8	1.12

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit	Age	Lake Area	Depth	Terrain Relief	Sample Cont.	Sample Colour	Susp Matl	
052E	883383	20	15	422741	5492697	AGM	02	.25-1	6	Lo	-	Br	Lgt
052E	883384	00	15	423069	5496456	ACSP	02	.25-1	6	Lo	-	Br	-
052E	883385	00	15	422426	5497977	ACSP	02	1-5	7	Lo	Ca	Br	-
052E	883386	00	15	419962	5498338	AGM	02	.25-1	7	Lo	-	Br	-
052E	883387	00	15	420566	5500557	AGM	02	>5	12	Lo	Ca	Br	-
052E	883388	00	15	418649	5500116	AGM	02	.25-1	12	Lo	-	Br	-
052E	883389	00	15	417976	5502234	AGM	02	>5	7	Lo	Ca	Gy	-
052E	883390	00	15	419591	5505022	AGM	02	pond	4	Lo	-	Br	Lgt
052E	883391	00	15	419062	5507010	AGM	02	pond	5	Lo	-	Br	Lgt
052E	883392	00	15	418751	5510842	AGM	02	>5	3	Lo	-	Br	-
052E	883393	00	15	418543	5514350	AGM	02	>5	9	Lo	Ca	Gy	-
052E	883394	00	15	416133	5514056	AGM	02	.25-1	4	Lo	-	Br	-
052E	883395	00	15	416350	5518027	AGM	02	.25-1	16	Lo	-	Br	-
052E	883397	00	15	414855	5519884	AGM	02	1-5	5	Lo	-	Br	-
052E	883398	00	15	417593	5521328	AGY	02	.25-1	5	Lo	-	Gy	-
052E	883399	00	15	416442	5523338	AMVB	02	>5	11	Lo	-	Gy	-
052E	883400	00	15	416421	5528347	AGM	02	.25-1	4	Lo	-	Br	-
052E	883402	00	15	415808	5531492	AGM	02	.25-1	8	Lo	-	Br	-
052E	883404	00	15	412330	5533227	AGM	02	.25-1	4	Lo	-	Br	-
052E	883405	10	15	418981	5532320	AGM	02	.25-1	5	Lo	-	Br	-
052E	883406	20	15	418981	5532320	AGM	02	.25-1	5	Lo	-	Br	-
052E	883407	00	15	419667	5530183	AGM	02	.25-1	4	Lo	-	Br	-
052E	883408	00	15	418377	5527536	AMVB	02	>5	7	Lo	-	Gy	-
052E	883409	00	15	419074	5523609	AMVB	02	.25-1	8	Lo	-	Br	-
052E	883410	00	15	418999	5518583	AGM	02	.25-1	7	Lo	-	Gy	-
052E	883411	00	15	422565	5516770	AGM	02	.25-1	16	Lo	-	Br	-
052E	883412	00	15	421462	5519885	AGM	02	1-5	6	Md	-	Br	-
052E	883413	00	15	423121	5521751	AGM	02	1-5	8	Lo	-	Br	-
052E	883414	00	15	423520	5525053	AGM	02	.25-1	5	Md	-	Br	-
052E	883415	00	15	421798	5527548	AGM	02	pond	5	Lo	-	Br	-
052E	883416	00	15	421094	5529279	AGM	02	1-5	8	Md	-	Gy	-
052E	883417	00	15	421145	5531855	AGM	02	1-5	9	Md	-	Gy	-
052E	883418	00	15	421593	5533791	AGM	02	.25-1	5	Lo	-	Br	-
052E	883419	00	15	421152	5535759	AGM	02	1-5	9	Md	-	Br	-
052E	883420	00	15	422187	5538765	AGM	02	.25-1	10	Md	-	Br	-
052E	883422	00	15	426589	5538139	AGM	02	>5	3	Md	-	Br	-
052E	883423	00	15	425735	5533163	AGM	02	1-5	11	Md	-	Br	-
052E	883424	00	15	425151	5528043	AGM	02	pond	4	Lo	-	Br	-
052E	883426	00	15	427070	5526452	AGM	02	.25-1	5	Lo	-	Br	-
052E	883427	00	15	425563	5523289	AGM	02	1-5	9	Lo	-	Br	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm								
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS									
052E 883383 20	111	32	5	20	9	<	170	<	3	1.13	91	61.9	2.6	75	19	0.4	<	2.	10.0	-	-	40.	5.2	<	3.	1.8	1.08
052E 883384 00	106	60	12	29	11	<	355	1	3	1.65	113	41.2	4.1	155	26	0.2	0.2	<1	10.0	-	-	30.	5.8	<	21.	9.0	1.80
052E 883385 00	42	20	6	15	5	<	218	1	3	1.15	27	14.1	4.6	212	17	<	0.2	<1	10.0	-	-	20.	6.0	<	38.	13.5	2.12
052E 883386 00	145	71	7	47	8	<	187	1	3	1.49	70	58.7	3.3	121	19	0.2	0.2	<4	2.50	-	-	30.	5.9	<	27.	12.5	2.52
052E 883387 00	124	37	14	35	8	<	200	2	3	2.10	70	21.6	5.7	298	32	0.3	0.2	1.	10.0	-	-	20.	5.7	<	12.	3.5	1.32
052E 883388 00	129	92	16	63	13	0.2	300	2	3	2.18	146	32.5	3.9	256	34	0.3	0.2	<1	10.0	-	-	20.	5.7	<	13.	4.3	1.80
052E 883389 00	118	40	19	44	14	<	472	9	<	3.43	24	7.2	5.2	630	42	<	0.4	1.	10.0	7	2.00	30.	5.7	<	12.	3.4	1.32
052E 883390 00	135	24	8	19	7	<	193	1	<	1.19	131	52.6	3.0	95	32	0.4	0.2	<1	10.0	-	-	30.	5.7	<	14.	4.2	1.88
052E 883391 00	119	26	5	22	6	<	124	1	<	1.09	79	50.8	3.1	156	18	<	0.2	<4	2.50	-	-	20.	5.7	<	16.	4.2	1.88
052E 883392 00	82	17	11	15	6	<	152	1	<	1.21	91	38.4	4.8	157	15	0.4	0.2	<1	10.0	-	-	30.	5.7	0.28	11.	3.3	1.32
052E 883393 00	73	29	11	29	11	<	290	1	<	2.53	15	2.4	3.5	479	30	<	0.2	2.	10.0	1	10.00	20.	5.5	<	8.	2.7	0.84
052E 883394 00	181	20	7	22	12	0.2	209	1	2	1.82	97	56.0	6.4	94	21	0.6	<	<1	10.0	-	-	20.	5.4	<	3.	1.8	0.80
052E 883395 00	104	23	14	18	7	<	294	2	<	1.99	61	28.2	5.6	220	26	0.3	0.2	<1	10.0	-	-	20.	5.5	<	8.	2.1	0.84
052E 883397 00	106	24	14	32	11	<	334	1	<	2.54	79	22.4	8.6	320	27	0.2	0.2	1.	10.0	-	-	30.	5.7	<	11.	3.3	1.20
052E 883398 00	105	38	14	44	13	0.2	647	4	<	3.12	30	5.8	4.7	531	32	<	0.3	<1	10.0	-	-	30.	5.7	<	11.	3.4	1.32
052E 883399 00	30	11	6	14	4	<	65	1	<	0.67	15	3.6	2.8	375	8	<	0.3	<1	10.0	1	10.00	20.	5.6	<	13.	3.5	1.08
052E 883400 00	91	25	6	23	6	<	295	1	<	1.42	66	60.4	3.4	135	19	0.2	0.2	<1	10.0	-	-	20.	5.9	<	28.	5.8	2.52
052E 883402 00	105	35	10	27	11	<	367	1	<	1.67	132	42.1	14.7	175	27	0.4	0.2	<1	10.0	-	-	20.	5.5	<	6.	2.3	0.92
052E 883404 00	124	29	6	26	9	<	420	<	<	2.39	63	52.7	11.0	116	25	0.3	0.2	<1	10.0	-	-	30.	5.5	<	13.	4.0	1.20
052E 883405 10	117	35	7	35	11	<	103	1	<	1.27	129	50.5	7.9	105	23	0.2	0.2	<1	10.0	-	-	30.	5.6	<	7.	2.7	0.92
052E 883406 20	109	36	8	33	10	<	97	<	<	1.24	123	50.2	7.8	119	24	<	0.2	<1	10.0	-	-	30.	5.5	<	7.	2.7	0.92
052E 883407 00	138	40	6	28	10	<	114	<	2	1.26	102	56.7	5.7	77	33	0.3	<	1.	10.0	-	-	40.	5.3	<	4.	2.1	1.08
052E 883408 00	27	10	5	12	3	<	60	1	<	0.67	18	3.4	2.1	210	11	<	0.2	<1	10.0	<1	10.00	20.	5.6	<	13.	3.6	1.08
052E 883409 00	103	45	10	39	17	<	533	2	2	2.09	60	28.7	14.2	260	27	<	0.2	9.	10.0	<1	10.00	30.	5.6	<	10.	3.5	1.32
052E 883410 00	97	35	14	38	14	<	425	3	<	2.92	33	6.8	5.7	379	39	<	0.2	1.	10.0	1	10.00	30.	5.5	<	7.	2.0	0.92
052E 883411 00	127	20	11	17	15	<	800	2	<	2.15	93	30.6	13.7	162	26	0.6	0.2	<1	10.0	-	-	20.	5.3	<	3.	1.5	0.60
052E 883412 00	115	24	12	26	13	<	490	2	<	2.27	69	24.6	14.3	195	28	<	0.2	<1	10.0	-	-	20.	5.5	<	9.	3.0	1.20
052E 883413 00	116	28	17	19	10	<	234	2	<	2.17	90	28.7	13.6	201	28	0.2	0.2	<1	10.0	-	-	30.	5.6	<	10.	3.3	1.20
052E 883414 00	125	7	6	10	13	<	517	2	5	6.44	42	10.8	3.9	191	31	<	0.2	<1	10.0	-	-	20.	5.4	<	4.	2.3	1.00
052E 883415 00	125	26	6	17	11	<	70	<	<	2.15	69	55.0	2.9	72	29	0.3	0.2	<1	10.0	-	-	20.	5.2	<	3.	1.9	1.00
052E 883416 00	88	42	8	25	8	<	250	1	2	1.67	36	17.8	5.4	278	28	<	0.2	<1	10.0	-	-	20.	5.6	<	10.	3.4	1.20
052E 883417 00	90	23	10	22	9	<	371	1	<	2.26	75	18.5	5.1	248	30	<	0.2	<1	10.0	-	-	30.	5.6	<	11.	3.7	1.32
052E 883418 00	86	22	4	21	8	<	260	<	<	2.91	116	37.8	3.5	150	40	0.2	<	<1	10.0	-	-	30.	5.6	<	8.	3.3	1.36
052E 883419 00	100	29	4	22	8	<	301	1	<	1.55	124	39.9	4.2	140	34	0.3	0.2	4.	10.0	<2	5.00	30.	5.7	<	13.	4.0	1.32
052E 883420 00	36	4	5	5	3	<	94	1	<	0.77	24	7.0	1.8	176	8	<	0.2	<1	10.0	-	-	20.	5.6	<	10.	3.7	1.08
052E 883422 00	23	9	6	10	2	<	56	<	<	0.56	21	6.0	1.9	216	9	<	0.2	<1	10.0	<1	10.00	30.	5.7	<	16.	5.0	1.32
052E 883423 00	104	24	13	20	9	<	301	2	2	3.32	57	26.9	6.3	196	27	0.2	0.2	<1	10.0	-	-	20.	5.6	<	7.	2.5	0.92
052E 883424 00	105	54	5	26	13	<	91	<	2	1.49	66	60.5	7.3	366	22	0.3	0.2	<1	10.0	-	-	30.	5.6	<	9.	2.5	1.32
052E 883426 00	54	6	8	10	6	<	126	1	<	1.57	42	10.6	4.0	219	10	0.3	0.2	<1	10.0	-	-	20.	5.5	<	4.	1.8	0.80
052E 883427 00	98	26	14	28	9	<	166	1	<	1.70	81	29.4	14.0	201	24	0.5	0.2	1.	10.0	-	-	20.	5.6	<	10.	3.5	1.20

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Field Data

Map Sheet	Sample ID	Rep Stat	UTM		Rock Unit	Age	Lake		Terrain Relief	Sample Cont.	Sample Colour	Susp Matl
			Zn	Eastng Northing			Area	Depth				
052E	883428	10	15	426625 5520041	AGM	02	1-5	9	Md	-	Br	-
052E	883429	20	15	426625 5520041	AGM	02	1-5	9	Md	-	Br	-
052E	883430	00	15	427031 5515287	AGM	02	1-5	27	Md	-	Br	-
052E	883431	00	15	425151 5512231	AGM	02	>5	4	Md	-	Br	-
052E	883432	00	15	422230 5510891	AGM	02	1-5	14	Md	-	Gy	-
052E	883433	00	15	422524 5508024	AGM	02	.25-1	4	Lo	-	Br	-
052E	883434	00	15	426763 5508404	AGM	02	>5	9	Md	-	Gy	-
052E	883435	00	15	422604 5503611	AGM	02	1-5	8	Md	-	Gy	-
052E	883436	00	15	426113 5503101	AGM	02	>5	30	Md	-	Gy	-
052E	883437	00	15	426586 5500700	ACSP	02	.25-1	4	Lo	-	Gy	-
052E	883438	00	15	426965 5497648	AGM	02	1-5	20	Md	-	Bk	-
052E	883439	00	15	427136 5495861	ACSP	02	1-5	15	Md	Ca	Br	-
052E	883440	00	15	427487 5493475	AGM	02	.25-1	6	Md	-	Br	-
052E	883442	00	15	426656 5490048	AGM	02	.25-1	4	Md	-	Br	-
052E	883443	00	15	426818 5484319	AGM	02	1-5	16	Md	-	Br	-
052E	883445	00	15	426481 5481709	AGM	02	1-5	5	Md	-	Br	-
052E	883446	00	15	426816 5478607	AMVB	02	.25-1	4	Lo	-	Br	-
052E	883447	00	15	426816 5478607	AMVB	02	.25-1	4	Lo	-	Br	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Ontario, 1989, GSC OF-1957, NGR 120-1989, NTS 052D, 052E  
Analytical Data

Variable:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	Au	Au/Wt	Au	Au/Wt	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units:	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb		ppb	ppm	ppm	ppm						
Detection Limit:	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5	20	5	0.2	0.2	1-var	gm	1-var	gm	20		0.05	1	0.5	0.05
Analytical Method:	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	FA-NA	GRAV	rpt1	GRAV	ISE	GCM	LIF	TIT	AAS	AAS						
052E 883428 10	109	34	13	29	10	<	301	1	<	1.67	96	38.1	10.7	180	23	0.6	0.2	<1	10.0	-	-	20.	5.7	<	12.	4.0	1.32
052E 883429 20	119	41	9	27	10	<	277	1	<	1.70	87	37.8	11.0	213	23	0.4	0.2	<1	10.0	-	-	30.	5.7	<	12.	3.8	1.48
052E 883430 00	89	25	13	16	10	<	388	3	<	2.70	60	15.2	11.8	245	26	0.2	0.2	<1	10.0	-	-	30.	5.5	<	5.	2.3	0.92
052E 883431 00	114	30	7	29	6	<	142	<	3	1.61	27	39.3	17.7	213	19	0.3	0.2	<1	10.0	-	-	10.	5.6	<	10.	3.3	1.08
052E 883432 00	130	79	17	58	19	<	891	3	2	4.83	27	5.0	4.3	594	57	<	0.2	2.	10.0	<4	2.50	20.	5.6	<	8.	3.0	1.08
052E 883433 00	91	16	5	14	6	<	241	1	<	1.61	42	25.9	2.3	224	18	0.3	0.2	<1	10.0	-	-	20.	5.7	<	13.	3.5	1.40
052E 883434 00	96	22	12	25	8	<	216	1	<	2.03	36	11.2	11.4	340	23	0.5	0.2	1.	10.0	-	-	20.	5.6	<	12.	3.3	1.12
052E 883435 00	104	22	12	28	8	<	233	1	<	2.02	39	16.3	9.3	268	23	0.5	0.2	<1	10.0	-	-	30.	5.3	<	12.	3.5	1.28
052E 883436 00	127	31	14	29	14	<	1297	2	<	3.17	39	14.0	18.4	338	43	0.5	0.2	<1	10.0	-	-	20.	5.6	<	12.	3.3	1.12
052E 883437 00	110	34	9	38	7	<	124	1	36	2.74	69	52.3	71.5	293	19	0.3	0.2	3.	10.0	<1	10.00	20.	5.7	<	22.	5.8	2.04
052E 883438 00	136	43	34	22	11	<	1212	8	4	4.07	127	38.2	19.8	253	36	1.0	0.3	2.	10.0	-	-	20.	5.7	<	14.	3.8	1.48
052E 883439 00	160	31	17	28	20	<	2184	3	4	5.38	63	24.0	58.3	224	55	0.5	0.2	5.	10.0	1	10.00	30.	5.6	0.16	11.	3.8	1.20
052E 883440 00	116	27	16	24	11	<	321	2	<	2.08	90	28.5	21.0	225	27	0.4	0.2	<1	10.0	-	-	10.	5.5	0.16	6.	2.3	0.98
052E 883442 00	98	20	11	23	9	<	220	1	<	1.40	60	37.0	26.1	102	14	0.4	<	<1	10.0	-	-	20.	5.5	0.13	9.	2.8	1.08
052E 883443 00	113	32	12	26	13	<	509	1	<	2.20	114	25.9	11.1	204	36	0.3	0.2	1.	10.0	-	-	20.	5.5	0.10	6.	2.5	1.00
052E 883445 00	137	37	14	39	12	<	499	2	2	2.84	54	24.2	9.2	249	37	0.4	0.2	<1	10.0	-	-	40.	5.7	<	15.	4.0	1.36
052E 883446 00	149	35	11	42	13	<	278	1	<	2.03	84	37.1	4.3	230	27	0.2	0.2	<1	10.0	-	-	30.	5.9	<	21.	9.7	3.20
052E 883447 00	143	38	11	44	13	<	263	1	<	1.94	81	35.7	4.4	208	26	0.3	<	<1	10.0	-	-	30.	5.8	<	20.	9.3	3.12

## Summary Statistics for Total Data Set

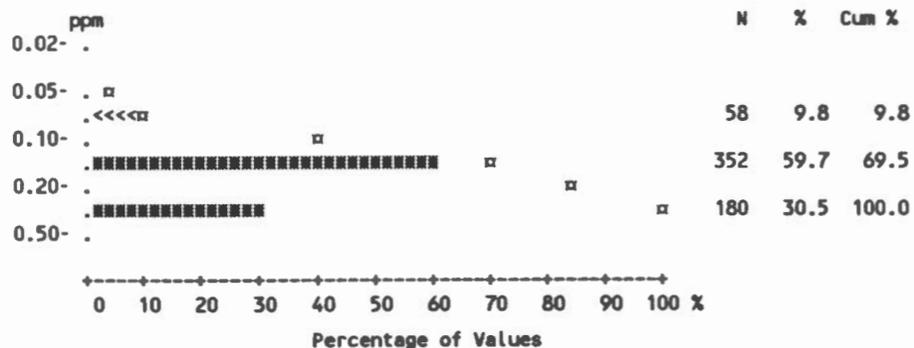
Variable	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm
Detection Limit	2	2	2	2	2	0.2	5	1	2	0.02	10	1.0	0.5
Analytical Method	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC
Number of Values	590	590	590	590	590	590	590	590	590	590	590	590	590
Values > D.L.	590	590	583	590	588	38	590	531	82	590	590	590	590
Number of Missing Values	0	0	0	0	0	0	0	0	0	0	0	0	0
Mean	109.34	34.26	12.92	30.33	10.53	0.1110	427.77	2.38	1.34	2.26	71.32	31.82	5.40
Standard Deviation	37.48	17.93	7.77	10.97	3.69	0.0638	528.11	3.04	2.06	0.9487	50.49	17.21	5.03
Skewness	5.81	4.24	6.96	0.5371	1.36	12.58	10.75	11.80	14.44	1.09	12.53	0.6158	6.90
Excess Kurtosis	86.19	41.68	104.85	2.89	12.30	210.23	166.05	204.39	229.40	4.48	234.51	-0.3460	72.52
Coef. of Var. %	34.28	52.33	60.16	36.17	35.04	57.48	123.46	127.85	153.56	41.99	70.80	54.08	93.15
Std Error of the Mean	1.54	0.7382	0.3199	0.4516	0.1519	0.0026	21.74	0.1251	0.0847	0.0391	2.08	0.7085	0.2072
Lower 95% limit on Mean	106.31	32.81	12.29	29.44	10.23	0.1059	385.06	2.13	1.17	2.18	67.24	30.43	5.00
Upper 95% limit on Mean	112.37	35.71	13.55	31.22	10.83	0.1162	470.47	2.62	1.51	2.34	75.40	33.21	5.81
Geometric Statistics													
Mean	103.97	30.62	11.20	28.03	9.83	0.1059	336.48	1.79	1.15	2.05	63.74	26.83	4.46
Log10 Mean	2.02	1.49	1.05	1.45	0.9925	-0.9751	2.53	0.2517	0.0594	0.3124	1.80	1.43	0.6489
Log10 S.D.	0.1440	0.2178	0.2488	0.1889	0.1738	0.1041	0.2729	0.3095	0.1698	0.2023	0.1998	0.2748	0.2486
Log10 Std. Error of Mean	0.0059	0.0090	0.0102	0.0078	0.0072	0.0043	0.0112	0.0127	0.0070	0.0083	0.0082	0.0113	0.0102
Lower 95% limit on Mean	101.22	29.40	10.70	27.06	9.52	0.1039	319.81	1.69	1.11	1.98	61.41	25.49	4.25
Upper 95% limit on Mean	106.80	31.88	11.73	29.03	10.15	0.1080	354.01	1.89	1.18	2.13	66.15	28.23	4.67
Percentiles													
Min Value	23.00	2.00	1.00	2.00	1.00	0.1000	35.00	0.5000	1.00	0.2200	12.00	2.00	0.9000
25th %tile	94.00	25.00	8.00	22.00	8.00	0.1000	222.00	1.00	1.00	1.57	50.00	18.10	3.20
50th %tile	111.00	32.00	12.00	31.00	11.00	0.1000	325.00	2.00	1.00	2.20	66.00	28.70	4.40
75th %tile	127.00	41.00	16.00	38.00	13.00	0.1000	516.00	3.00	1.00	2.88	84.00	43.20	5.80
80th %tile	129.00	44.00	18.00	39.00	13.00	0.1000	553.00	3.00	1.00	3.01	91.00	48.60	6.40
90th %tile	138.00	51.00	20.00	43.00	15.00	0.1000	664.00	4.00	2.00	3.33	106.00	56.60	8.70
95th %tile	149.00	59.00	23.00	46.00	16.00	0.2000	868.00	6.00	3.00	3.56	124.00	64.10	12.10
98th %tile	161.00	80.00	27.00	50.00	17.00	0.2000	1297.00	9.00	4.00	4.40	140.00	70.70	18.80
99th %tile	181.00	94.00	30.00	58.00	19.00	0.3000	2808.00	13.00	5.00	5.38	162.00	76.90	22.70
Max Value	673.00	256.00	136.00	98.00	45.00	1.30	9698.00	59.00	36.00	8.68	1047.00	84.60	71.50

## Summary Statistics for Total Data Set

Variable	F	V	Cd	Sb	Au	F-W	pH	U-W	T-Alk	Ca-W	Mg-W
Units	ppm	ppm	ppm	ppm	ppb	ppb		ppb	ppm	ppm	ppm
Detection Limit	20	5	0.2	0.2	1-var	20		0.05	1	0.5	0.05
Analytical Method	ISE	AAS	AAS	AAS	FA-NA	ISE	GCM	LIF	TIT	AAS	AAS
Number of Values	590	590	590	590	589	590	590	590	590	590	590
Values > D.L.	590	590	387	532	378	588	590	18	590	590	590
Number of Missing Values	0	0	0	0	1	0	0	0	0	0	0
Mean	266.30	32.23	0.2678	0.2234	3.04	49.64	5.96	0.0284	34.15	9.53	2.84
Standard Deviation	115.67	12.16	0.1817	0.0659	25.25	15.06	0.2951	0.0260	22.19	6.04	2.05
Skewness	0.3084	0.2852	2.22	0.3497	22.52	0.1199	-0.0004	10.67	0.4326	0.7378	3.48
Excess Kurtosis	-0.4195	0.2307	12.54	0.4806	524.91	0.6175	-0.6136	135.10	-0.7485	0.2879	29.64
Coef. of Var. %	43.43	37.74	67.85	29.50	831.02	30.34	4.95	91.38	64.97	63.35	72.26
Std Error of the Mean	4.76	0.5008	0.0075	0.0027	1.04	0.6201	0.0121	0.0011	0.9134	0.2486	0.0844
Lower 95% limit on Mean	256.95	31.25	0.2531	0.2181	0.9949	48.43	5.93	0.0263	32.35	9.04	2.67
Upper 95% limit on Mean	275.66	33.22	0.2825	0.2287	5.08	50.86	5.98	0.0305	35.94	10.02	3.00
Geometric Statistics											
Mean	238.09	29.67	0.2179	0.2131	1.24	47.05	5.95	0.0262	25.95	7.58	2.29
Log10 Mean	2.38	1.47	-0.6617	-0.6715	0.0927	1.67	0.7744	-1.58	1.41	0.8797	0.3605
Log10 S.D.	0.2194	0.1878	0.2810	0.1388	0.3829	0.1507	0.0216	0.1212	0.3505	0.3087	0.2827
Log10 Std. Error of Mean	0.0090	0.0077	0.0116	0.0057	0.0158	0.0062	0.0009	0.0050	0.0144	0.0127	0.0116
Lower 95% limit on Mean	228.57	28.65	0.2068	0.2076	1.15	45.75	5.92	0.0256	24.31	7.16	2.18
Upper 95% limit on Mean	248.02	30.72	0.2296	0.2186	1.33	48.39	5.97	0.0268	27.70	8.03	2.42
Percentiles											
Min Value	46.00	5.00	0.1000	0.1000	0.5000	10.00	5.20	0.0250	3.00	1.50	0.6000
25th %tile	181.00	23.00	0.1000	0.2000	0.5000	40.00	5.70	0.0250	13.00	3.70	1.32
50th %tile	258.00	32.00	0.2000	0.2000	1.00	50.00	6.00	0.0250	35.00	9.80	2.20
75th %tile	340.00	41.00	0.4000	0.3000	2.00	60.00	6.20	0.0250	52.00	13.50	4.60
80th %tile	366.00	43.00	0.4000	0.3000	2.00	60.00	6.20	0.0250	53.00	14.00	4.60
90th %tile	426.00	48.00	0.5000	0.3000	3.00	70.00	6.30	0.0250	59.00	17.00	5.00
95th %tile	473.00	52.00	0.6000	0.3000	4.00	70.00	6.40	0.0250	74.00	20.00	5.60
98th %tile	518.00	56.00	0.7000	0.4000	7.00	80.00	6.50	0.0700	83.00	23.50	6.00
99th %tile	541.00	60.00	0.9000	0.4000	17.00	90.00	6.60	0.1600	91.00	28.50	7.20
Max Value	630.00	93.00	1.90	0.5000	599.00	110.00	7.00	0.4400	101.00	33.50	23.00

Statistics per Variable

Variable - Antimony [Sb]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 0.2  
 Analytical Method - AAS

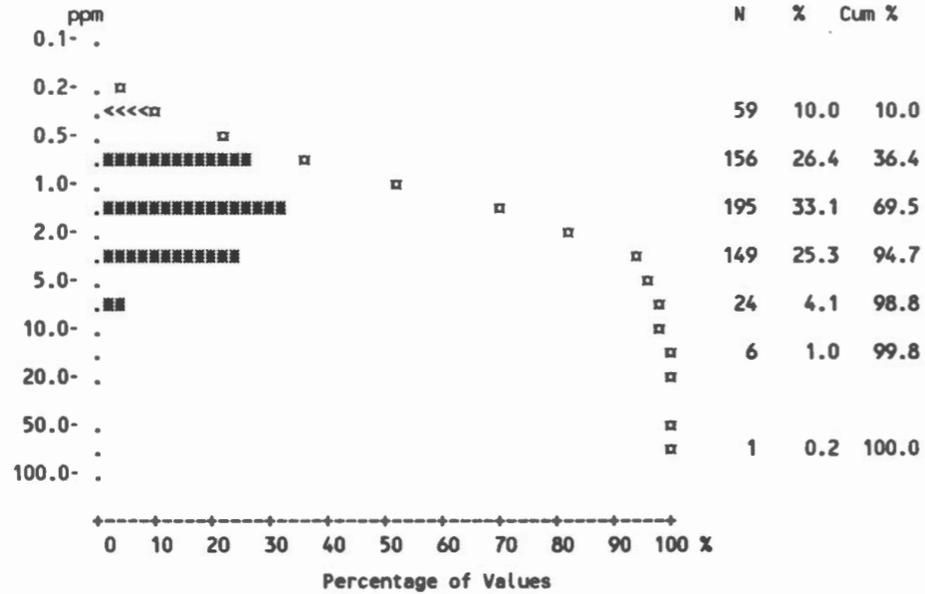


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	532	314	116	44	30	20	8
Number of Missing Values	0	0	0	0	0	0	0
Mean	0.22	0.22	0.23	0.23	0.22	0.21	0.23
Standard Deviation	0.07	0.063	0.077	0.063	0.051	0.060	0.071
Skewness	0.35	0.33	0.42	0.17	0.23	-0.012	-0.42
Excess Kurtosis	0.48	0.30	0.44	-0.18	0.17	-0.37	-1.22
Coef. of Var. %	29.50	28.33	34.19	27.13	23.88	28.58	30.30
Std. Error of the Mean	0.00	0	0	0	0	0.012	0.024
Lower 95% limit on Mean	0.22	0.22	0.21	0.21	0.20	0.18	0.18
Upper 95% limit on Mean	0.23	0.23	0.24	0.25	0.23	0.23	0.29
Geometric Statistics							
Mean	0.21	0.21	0.21	0.22	0.21	0.20	0.22
Log10 Mean	-0.67	-0.67	-0.68	-0.65	-0.68	-0.70	-0.65
Log10 S.D.	0.14	0.13	0.16	0.13	0.11	0.14	0.16
Log10 Std. Error of Mean	0.01	0	0.014	0.019	0.020	0.029	0.052
Lower 95% limit on Mean	0.21	0.21	0.20	0.20	0.19	0.17	0.17
Upper 95% limit on Mean	0.22	0.22	0.23	0.24	0.23	0.23	0.29
Percentiles							
Min Value	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25th Xtile	0.20	0.20	0.20	0.20	0.20	0.20	0.20
50th Xtile	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75th Xtile	0.30	0.30	0.30	0.30	0.20	0.20	0.30
80th Xtile	0.30	0.30	0.30	0.30	0.30	0.30	0.30
90th Xtile	0.30	0.30	0.30	0.30	0.30	0.30	0.30
95th Xtile	0.30	0.30	0.30	0.30	0.30	0.30	0.30
98th Xtile	0.40	0.40	0.40	0.40	0.30	0.30	0.30
99th Xtile	0.40	0.40	0.40	0.40	0.30	0.30	0.30
Max Value	0.50	0.40	0.50	0.40	0.30	0.30	0.30

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Arsenic [As]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 1  
 Analytical Method - AAS

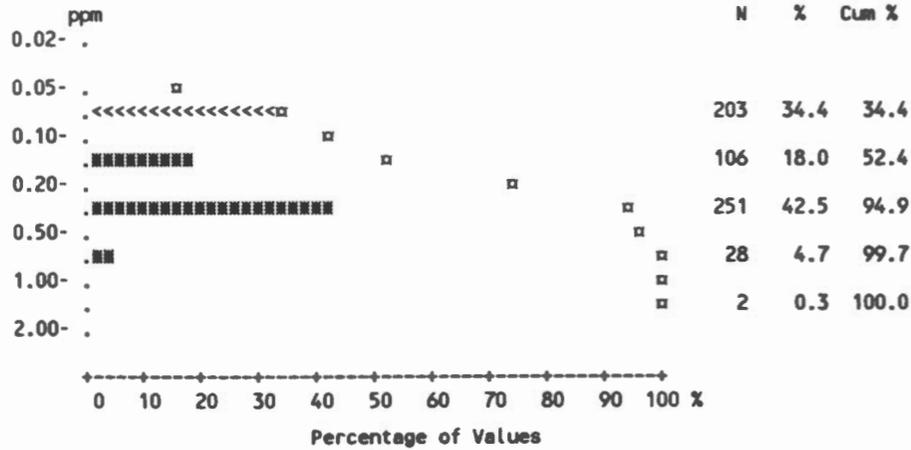


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	531	310	118	44	31	20	8
Number of Missing Values	0	0	0	0	0	0	0
Mean	2.38	1.96	3.15	2.86	1.95	3.02	4.17
Standard Deviation	3.04	1.47	5.44	2.06	1.02	3.47	2.21
Skewness	11.80	3.65	8.20	1.93	0.74	2.81	0.15
Excess Kurtosis	204.39	22.48	79.52	4.59	-0.47	8.58	-1.01
Coef. of Var. %	127.85	75.17	172.70	71.92	52.17	114.80	52.99
Std. Error of the Mean	0.13	0.079	0.47	0.30	0.18	0.72	0.74
Lower 95% limit on Mean	2.13	1.80	2.23	2.26	1.59	1.52	2.47
Upper 95% limit on Mean	2.62	2.11	4.08	3.47	2.32	4.52	5.86
Geometric Statistics							
Mean	1.79	1.61	2.03	2.29	1.71	2.02	3.41
Log10 Mean	0.25	0.21	0.31	0.36	0.23	0.31	0.53
Log10 S.D.	0.31	0.27	0.37	0.30	0.23	0.39	0.35
Log10 Std. Error of Mean	0.01	0.015	0.032	0.044	0.041	0.081	0.12
Lower 95% limit on Mean	1.69	1.50	1.76	1.87	1.41	1.37	1.84
Upper 95% limit on Mean	1.89	1.71	2.35	2.81	2.07	2.97	6.32
Percentiles							
Min Value	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25th %tile	1.00	1.00	1.00	2.00	1.00	1.00	3.00
50th %tile	2.00	2.00	2.00	2.00	2.00	2.00	4.00
75th %tile	3.00	2.00	3.00	4.00	2.00	4.00	6.00
80th %tile	3.00	3.00	4.00	4.00	3.00	4.00	6.00
90th %tile	4.00	3.00	5.00	4.00	4.00	6.00	8.00
95th %tile	6.00	4.00	9.00	7.00	4.00	6.00	8.00
98th %tile	9.00	7.00	14.00	11.00	4.00	17.00	8.00
99th %tile	13.00	8.00	15.00	11.00	4.00	17.00	8.00
Max Value	59.00	15.00	59.00	11.00	4.00	17.00	8.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Cadmium [Cd]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 0.2  
 Analytical Method - AAS

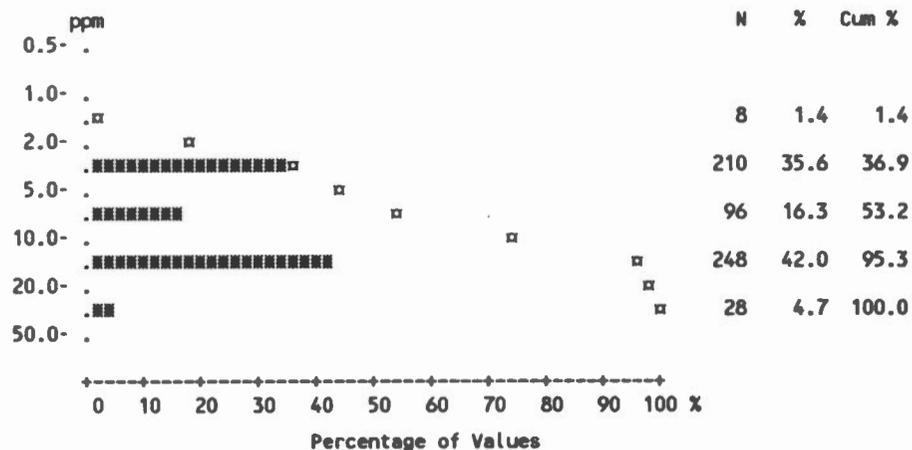


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	387	207	89	37	31	18	5
Number of Missing Values	0	0	0	0	0	0	0
Mean	0.27	0.26	0.26	0.26	0.42	0.30	0.24
Standard Deviation	0.18	0.17	0.21	0.13	0.17	0.17	0.14
Skewness	2.22	1.35	3.93	0.60	1.25	0.88	-0.016
Excess Kurtosis	12.54	3.68	24.95	-0.46	2.35	1.02	-2.05
Coef. of Var. %	67.85	66.72	82.31	50.11	41.95	55.96	58.25
Std. Error of the Mean	0.01	0	0.018	0.019	0.031	0.035	0.047
Lower 95% limit on Mean	0.25	0.24	0.22	0.22	0.35	0.23	0.13
Upper 95% limit on Mean	0.28	0.28	0.29	0.30	0.48	0.37	0.35
Geometric Statistics							
Mean	0.22	0.21	0.21	0.23	0.38	0.26	0.20
Log10 Mean	-0.66	-0.68	-0.68	-0.64	-0.42	-0.59	-0.69
Log10 S.D.	0.28	0.29	0.28	0.23	0.19	0.26	0.29
Log10 Std. Error of Mean	0.01	0.015	0.024	0.034	0.033	0.055	0.098
Lower 95% limit on Mean	0.21	0.19	0.19	0.20	0.33	0.20	0.12
Upper 95% limit on Mean	0.23	0.22	0.23	0.27	0.45	0.33	0.34
Percentiles							
Min Value	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25th %tile	0.10	0.10	0.10	0.20	0.30	0.20	0.10
50th %tile	0.20	0.20	0.20	0.20	0.40	0.30	0.30
75th %tile	0.40	0.40	0.30	0.30	0.50	0.40	0.40
80th %tile	0.40	0.40	0.40	0.40	0.50	0.40	0.40
90th %tile	0.50	0.50	0.50	0.50	0.60	0.40	0.40
95th %tile	0.60	0.50	0.60	0.50	0.80	0.50	0.40
98th %tile	0.70	0.60	0.90	0.60	1.00	0.80	0.40
99th %tile	0.90	0.70	0.90	0.60	1.00	0.80	0.40
Max Value	1.90	1.30	1.90	0.60	1.00	0.80	0.40

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Calcium in Water [Ca-W]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 0.5  
 Analytical Method - AAS

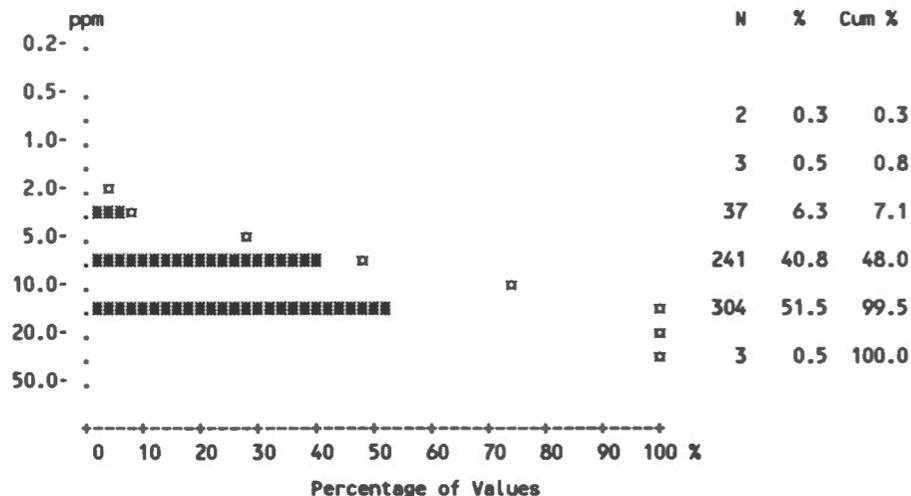


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	9.53	6.88	15.34	13.69	4.40	10.60	17.56
Standard Deviation	6.04	4.42	5.47	3.99	2.37	4.42	5.20
Skewness	0.74	0.87	0.63	0.22	2.28	-0.21	1.02
Excess Kurtosis	0.29	-0.13	1.15	1.36	6.03	-1.25	-0.20
Coef. of Var. %	63.35	64.16	35.69	29.17	53.75	41.69	29.65
Std. Error of the Mean	0.25	0.24	0.47	0.58	0.42	0.92	1.73
Lower 95% limit on Mean	9.04	6.41	14.40	12.51	3.55	8.69	13.55
Upper 95% limit on Mean	10.02	7.35	16.27	14.86	5.26	12.52	21.56
Geometric Statistics							
Mean	7.58	5.62	14.26	13.03	4.00	9.52	16.97
Log10 Mean	0.88	0.75	1.15	1.11	0.60	0.98	1.23
Log10 S.D.	0.31	0.28	0.18	0.15	0.18	0.22	0.12
Log10 Std. Error of Mean	0.01	0.015	0.015	0.022	0.032	0.046	0.039
Lower 95% limit on Mean	7.16	5.26	13.30	11.79	3.44	7.63	13.81
Upper 95% limit on Mean	8.03	6.02	15.30	14.40	4.64	11.87	20.84
Percentiles							
Min Value	1.50	1.50	3.40	4.40	2.30	3.50	13.00
25th %tile	3.70	3.30	12.50	12.00	3.00	5.80	14.00
50th %tile	9.80	4.70	14.00	14.00	3.50	10.50	15.00
75th %tile	13.50	10.50	18.00	15.00	4.70	14.00	19.00
80th %tile	14.00	11.50	19.00	15.00	5.20	14.50	21.50
90th %tile	17.00	13.50	23.00	18.50	7.00	14.50	29.00
95th %tile	20.00	14.00	26.50	21.50	8.60	16.50	29.00
98th %tile	23.50	17.50	29.50	25.00	14.00	18.50	29.00
99th %tile	28.50	19.00	31.50	25.00	14.00	18.50	29.00
Max Value	33.50	23.50	33.50	25.00	14.00	18.50	29.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Cobalt [Co]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 2  
 Analytical Method - AAS

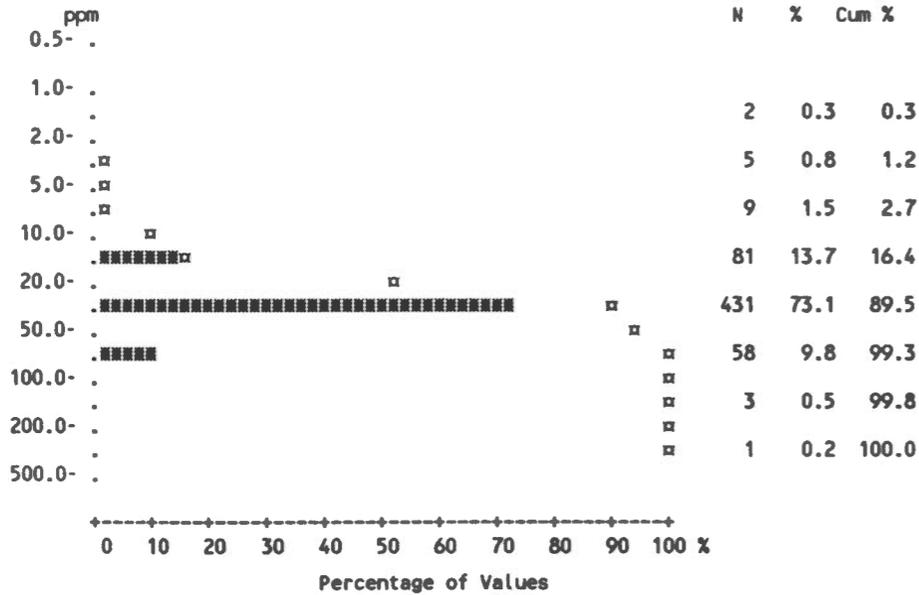


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	588	343	134	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	10.53	10.79	9.94	9.64	11.59	11.00	9.00
Standard Deviation	3.69	3.80	3.61	3.26	2.97	3.68	3.57
Skewness	1.36	2.18	-0.21	-0.14	-0.016	0.58	-0.088
Excess Kurtosis	12.30	18.37	-0.61	-0.63	-0.69	-0.25	-1.78
Coef. of Var. %	35.04	35.18	36.29	33.82	25.63	33.46	39.67
Std. Error of the Mean	0.15	0.20	0.31	0.48	0.53	0.77	1.19
Lower 95% limit on Mean	10.23	10.39	9.33	8.68	10.52	9.41	6.26
Upper 95% limit on Mean	10.83	11.20	10.55	10.60	12.67	12.59	11.74
Geometric Statistics							
Mean	9.83	10.14	9.10	9.00	11.20	10.42	8.30
Log10 Mean	0.99	1.01	0.96	0.95	1.05	1.02	0.92
Log10 S.D.	0.17	0.16	0.20	0.17	0.12	0.15	0.19
Log10 Std. Error of Mean	0.01	0	0.018	0.025	0.021	0.031	0.064
Lower 95% limit on Mean	9.52	9.74	8.40	8.00	10.14	9.00	5.89
Upper 95% limit on Mean	10.15	10.55	9.86	10.12	12.37	12.07	11.68
Percentiles							
Min Value	1.00	1.00	1.00	3.00	6.00	5.00	4.00
25th Xtile	8.00	9.00	7.00	8.00	10.00	8.00	6.00
50th Xtile	11.00	11.00	10.00	10.00	12.00	11.00	10.00
75th Xtile	13.00	13.00	13.00	12.00	13.00	12.00	12.00
80th Xtile	13.00	13.00	13.00	12.00	14.00	15.00	12.00
90th Xtile	15.00	15.00	14.00	15.00	16.00	16.00	14.00
95th Xtile	16.00	16.00	15.00	15.00	17.00	17.00	14.00
98th Xtile	17.00	18.00	16.00	16.00	17.00	20.00	14.00
99th Xtile	19.00	19.00	17.00	16.00	17.00	20.00	14.00
Max Value	45.00	45.00	19.00	16.00	17.00	20.00	14.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Copper [Cu]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 2  
 Analytical Method - AAS

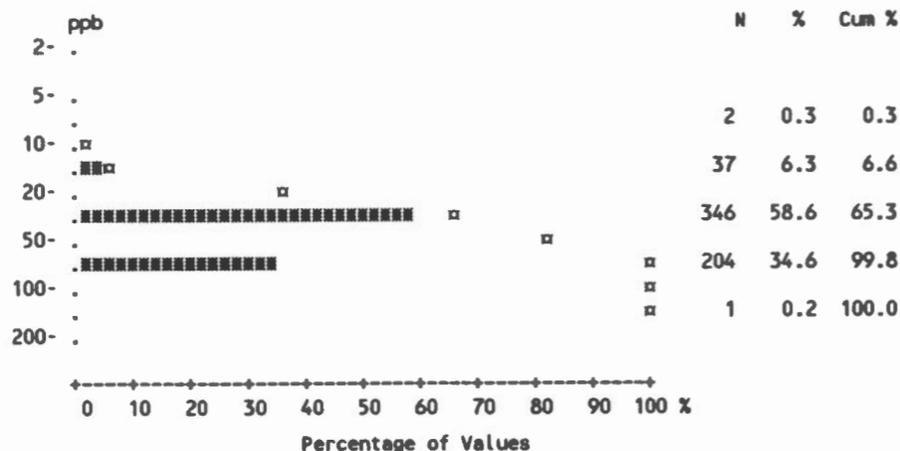


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	34.26	30.92	42.37	33.60	32.47	37.52	41.89
Standard Deviation	17.93	13.16	27.50	11.50	9.09	14.11	15.82
Skewness	4.24	1.80	3.89	-0.34	0.74	1.63	-0.42
Excess Kurtosis	41.68	7.96	25.76	-0.91	2.11	2.76	-1.78
Coef. of Var. %	52.33	42.55	64.91	34.24	27.99	37.61	37.77
Std. Error of the Mean	0.74	0.71	2.37	1.68	1.61	2.94	5.27
Lower 95% limit on Mean	32.81	29.53	37.69	30.22	29.19	31.42	29.73
Upper 95% limit on Mean	35.71	32.32	47.05	36.97	35.75	43.62	54.05
Geometric Statistics							
Mean	30.62	28.16	35.99	31.18	31.21	35.52	38.64
Log10 Mean	1.49	1.45	1.56	1.49	1.49	1.55	1.59
Log10 S.D.	0.22	0.20	0.27	0.18	0.13	0.14	0.20
Log10 Std. Error of Mean	0.01	0.011	0.023	0.027	0.023	0.029	0.065
Lower 95% limit on Mean	29.40	26.78	32.43	27.55	28.04	30.85	27.30
Upper 95% limit on Mean	31.88	29.60	39.93	35.30	34.72	40.89	54.69
Percentiles							
Min Value	2.00	2.00	2.00	9.00	12.00	20.00	18.00
25th Xtile	25.00	24.00	28.00	25.00	28.00	28.00	26.00
50th Xtile	32.00	29.00	39.00	33.00	32.00	34.00	48.00
75th Xtile	41.00	36.00	51.00	44.00	36.00	41.00	55.00
80th Xtile	44.00	39.00	54.00	45.00	37.00	46.00	56.00
90th Xtile	51.00	46.00	65.00	47.00	40.00	56.00	57.00
95th Xtile	59.00	49.00	80.00	51.00	53.00	60.00	57.00
98th Xtile	80.00	71.00	121.00	52.00	61.00	84.00	57.00
99th Xtile	94.00	92.00	129.00	52.00	61.00	84.00	57.00
Max Value	256.00	114.00	256.00	52.00	61.00	84.00	57.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Fluoride [F-W]  
 Number of Values - 590  
 Units - ppb  
 Detection Limit - 20  
 Analytical Method - ISE

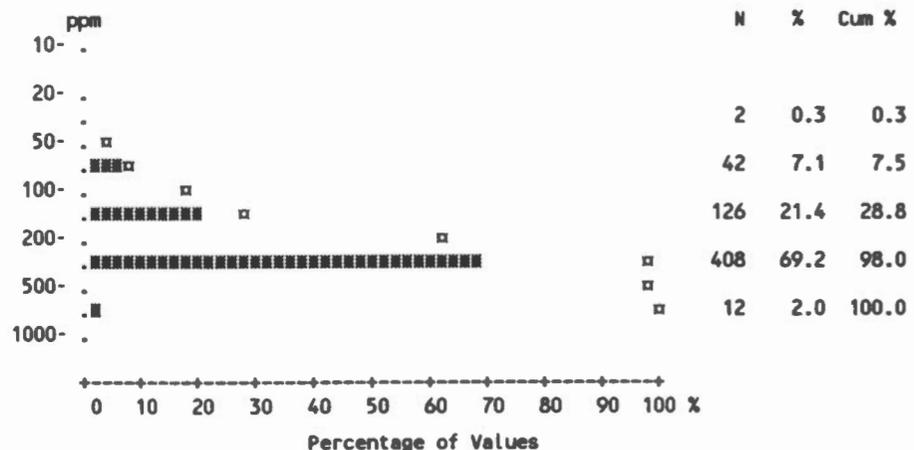


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	588	342	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	49.64	49.33	49.93	51.49	55.94	41.30	46.67
Standard Deviation	15.06	15.57	13.47	16.01	11.32	16.60	12.25
Skewness	0.12	0.19	-0.19	0.63	0.16	0.14	-0.16
Excess Kurtosis	0.62	0.86	-0.16	0.36	-0.16	-1.36	-1.75
Coef. of Var. %	30.34	31.56	26.97	31.10	20.24	40.18	26.24
Std. Error of the Mean	0.62	0.84	1.16	2.34	2.00	3.46	4.08
Lower 95% limit on Mean	48.43	47.68	47.63	46.79	51.86	34.13	37.25
Upper 95% limit on Mean	50.86	50.98	52.22	56.19	60.02	48.48	56.08
Geometric Statistics							
Mean	47.05	46.53	47.86	49.09	54.79	37.92	45.14
Log10 Mean	1.67	1.67	1.68	1.69	1.74	1.58	1.65
Log10 S.D.	0.15	0.16	0.13	0.14	0.091	0.19	0.12
Log10 Std. Error of Mean	0.01	0	0.011	0.020	0.016	0.039	0.041
Lower 95% limit on Mean	45.75	44.77	45.41	44.73	50.79	31.41	36.40
Upper 95% limit on Mean	48.39	48.36	50.43	53.88	59.11	45.77	55.97
Percentiles							
Min Value	10.00	10.00	20.00	20.00	30.00	20.00	30.00
25th %tile	40.00	40.00	40.00	40.00	50.00	30.00	40.00
50th %tile	50.00	50.00	50.00	50.00	50.00	40.00	50.00
75th %tile	60.00	60.00	60.00	60.00	60.00	50.00	60.00
80th %tile	60.00	60.00	60.00	60.00	60.00	60.00	60.00
90th %tile	70.00	70.00	70.00	70.00	70.00	60.00	60.00
95th %tile	70.00	70.00	70.00	80.00	80.00	70.00	60.00
98th %tile	80.00	90.00	80.00	100.00	80.00	70.00	60.00
99th %tile	90.00	90.00	80.00	100.00	80.00	70.00	60.00
Max Value	110.00	110.00	80.00	100.00	80.00	70.00	60.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Fluorine [F]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 20  
 Analytical Method - ISE

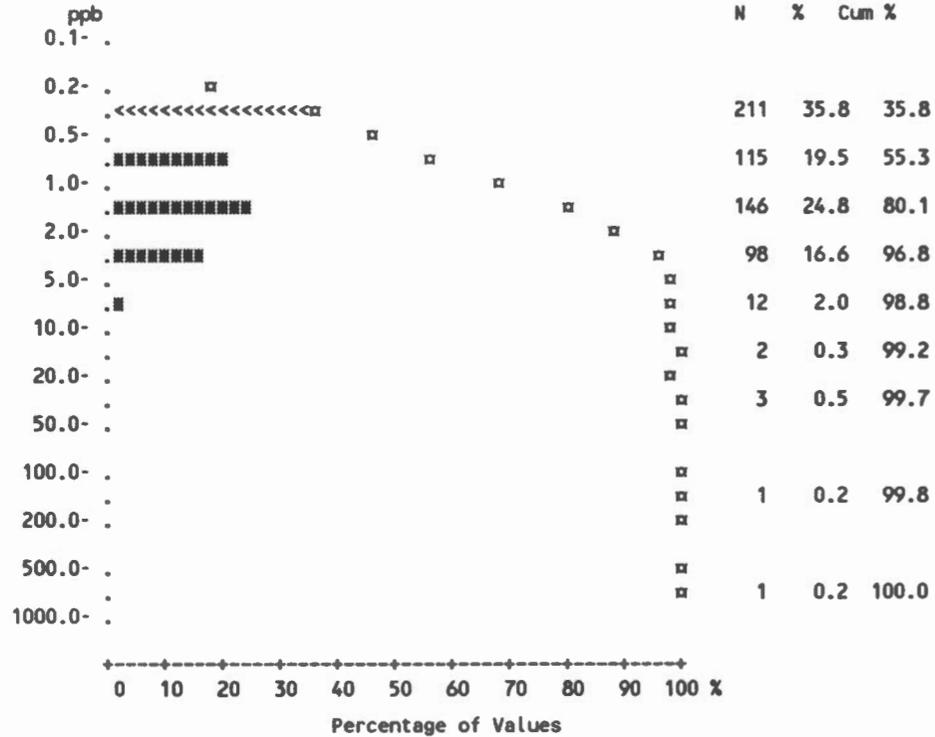


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	266.30	268.88	274.07	251.09	234.84	243.91	300.00
Standard Deviation	115.67	107.38	136.23	119.69	101.74	112.18	115.54
Skewness	0.31	0.29	0.19	0.53	0.57	0.66	-0.53
Excess Kurtosis	-0.42	-0.17	-0.97	-0.59	0.34	-0.27	-0.83
Coef. of Var. %	43.43	39.94	49.71	47.67	43.32	45.99	38.51
Std. Error of the Mean	4.76	5.79	11.72	17.46	17.98	23.39	38.51
Lower 95% limit on Mean	256.95	257.49	250.88	215.94	198.16	195.40	211.19
Upper 95% limit on Mean	275.66	280.27	297.26	286.23	271.53	292.43	388.81
Geometric Statistics							
Mean	238.09	244.79	234.59	222.60	212.70	219.08	270.25
Log10 Mean	2.38	2.39	2.37	2.35	2.33	2.34	2.43
Log10 S.D.	0.22	0.20	0.26	0.22	0.20	0.21	0.24
Log10 Std. Error of Mean	0.01	0.011	0.023	0.033	0.036	0.045	0.080
Lower 95% limit on Mean	228.57	233.09	211.64	191.44	179.56	177.10	176.26
Upper 95% limit on Mean	248.02	257.09	260.04	258.84	251.96	271.00	414.35
Percentiles							
Min Value	46.00	48.00	46.00	70.00	78.00	71.00	71.00
25th Xtile	181.00	195.00	155.00	143.00	147.00	155.00	250.00
50th Xtile	258.00	261.00	274.00	237.00	237.00	225.00	309.00
75th Xtile	340.00	339.00	380.00	332.00	290.00	290.00	391.00
80th Xtile	366.00	356.00	393.00	343.00	310.00	293.00	422.00
90th Xtile	426.00	396.00	473.00	467.00	326.00	440.00	440.00
95th Xtile	473.00	460.00	493.00	473.00	419.00	465.00	440.00
98th Xtile	518.00	480.00	541.00	532.00	531.00	492.00	440.00
99th Xtile	541.00	534.00	568.00	532.00	531.00	492.00	440.00
Max Value	630.00	630.00	579.00	532.00	531.00	492.00	440.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Gold [Au]  
 Number of Values - 589  
 Units - ppb  
 Detection Limit - 1-var  
 Analytical Method - FA-NA

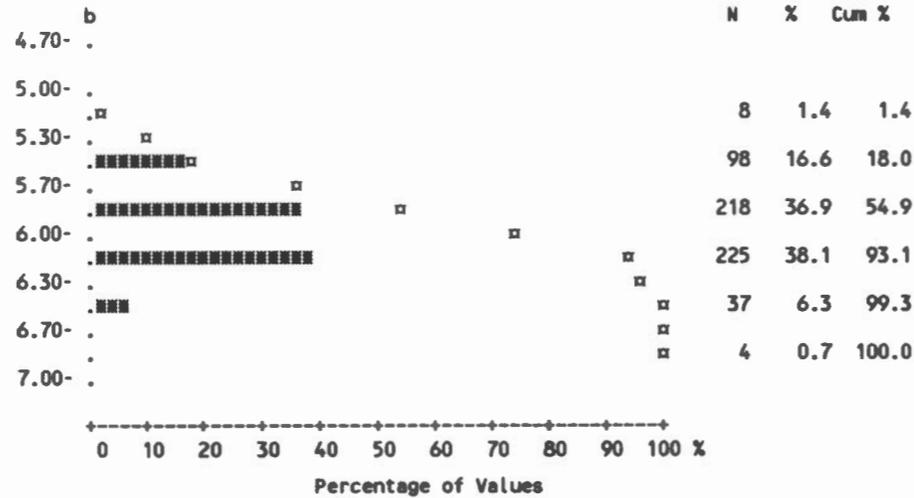


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	589	343	135	47	32	23	9
Number of Values > D.L.	378	190	99	39	25	18	7
Number of Missing Values	1	1	0	0	0	0	0
Mean	3.04	1.35	8.08	2.43	1.83	2.02	1.89
Standard Deviation	25.25	1.31	52.50	2.51	1.81	1.34	1.02
Skewness	22.52	4.21	10.64	4.16	2.98	0.78	-0.20
Excess Kurtosis	524.91	34.04	116.09	21.44	10.36	-0.19	-1.72
Coef. of Var. %	831.02	97.46	649.59	103.43	99.13	66.06	54.21
Std. Error of the Mean	1.04	0.071	4.52	0.37	0.32	0.28	0.34
Lower 95% limit on Mean	0.99	1.21	-0.86	1.69	1.17	1.44	1.10
Upper 95% limit on Mean	5.08	1.49	17.02	3.16	2.48	2.60	2.68
Geometric Statistics							
Mean	1.24	1.00	1.74	1.78	1.36	1.59	1.56
Log10 Mean	0.09	-0	0.24	0.25	0.13	0.20	0.19
Log10 S.D.	0.38	0.32	0.49	0.34	0.32	0.33	0.32
Log10 Std. Error of Mean	0.02	0.017	0.042	0.050	0.057	0.068	0.11
Lower 95% limit on Mean	1.15	0.92	1.44	1.41	1.04	1.15	0.89
Upper 95% limit on Mean	1.33	1.08	2.11	2.25	1.78	2.20	2.73
Percentiles							
Min Value	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25th %tile	0.50	0.50	0.50	1.00	1.00	1.00	1.00
50th %tile	1.00	1.00	2.00	2.00	1.00	2.00	2.00
75th %tile	2.00	2.00	3.00	3.00	2.00	3.00	3.00
80th %tile	2.00	2.00	3.00	3.00	2.00	3.00	3.00
90th %tile	3.00	3.00	5.00	4.00	3.00	4.00	3.00
95th %tile	4.00	3.00	9.00	5.00	5.00	5.00	3.00
98th %tile	7.00	4.00	39.00	17.00	10.00	5.00	3.00
99th %tile	17.00	6.00	123.00	17.00	10.00	5.00	3.00
Max Value	599.00	15.00	599.00	17.00	10.00	5.00	3.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Hydrogen Activity [pH]  
 Number of Values - 590  
 Units -  
 Detection Limit -  
 Analytical Method - GCM

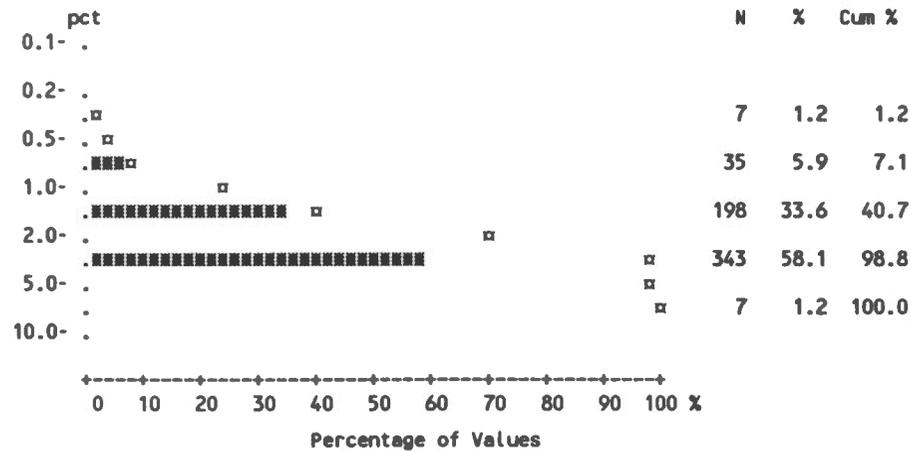


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	5.96	5.84	6.21	6.15	5.69	6.00	6.29
Standard Deviation	0.30	0.26	0.21	0.16	0.16	0.22	0.20
Skewness	-0.00	0.18	-0.041	-0.13	0.98	-0.045	0.40
Excess Kurtosis	-0.61	-0.70	1.82	-0.57	1.55	-1.13	-1.71
Coef. of Var. %	4.95	4.53	3.44	2.60	2.75	3.68	3.12
Std. Error of the Mean	0.01	0.014	0.018	0.023	0.028	0.046	0.065
Lower 95% limit on Mean	5.93	5.82	6.17	6.10	5.64	5.90	6.14
Upper 95% limit on Mean	5.98	5.87	6.24	6.20	5.75	6.09	6.44
Geometric Statistics							
Mean	5.95	5.84	6.20	6.15	5.69	5.99	6.29
Log10 Mean	0.77	0.77	0.79	0.79	0.76	0.78	0.80
Log10 S.D.	0.02	0.020	0.015	0.011	0.012	0.016	0.013
Log10 Std. Error of Mean	0.00	0	0	0	0	0	0
Lower 95% limit on Mean	5.92	5.81	6.17	6.10	5.64	5.90	6.14
Upper 95% limit on Mean	5.97	5.87	6.24	6.20	5.75	6.09	6.44
Percentiles							
Min Value	5.20	5.20	5.60	5.80	5.40	5.60	6.10
25th Xtile	5.70	5.60	6.10	6.00	5.60	5.80	6.10
50th Xtile	6.00	5.80	6.20	6.10	5.70	6.00	6.20
75th Xtile	6.20	6.10	6.30	6.30	5.70	6.20	6.50
80th Xtile	6.20	6.10	6.40	6.30	5.80	6.20	6.50
90th Xtile	6.30	6.20	6.40	6.30	5.90	6.30	6.60
95th Xtile	6.40	6.20	6.60	6.40	5.90	6.30	6.60
98th Xtile	6.50	6.30	6.70	6.50	6.20	6.40	6.60
99th Xtile	6.60	6.50	6.70	6.50	6.20	6.40	6.60
Max Value	7.00	6.60	7.00	6.50	6.20	6.40	6.60

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Iron [Fe]  
 Number of Values - 590  
 Units - pct  
 Detection Limit - 0.02  
 Analytical Method - AAS

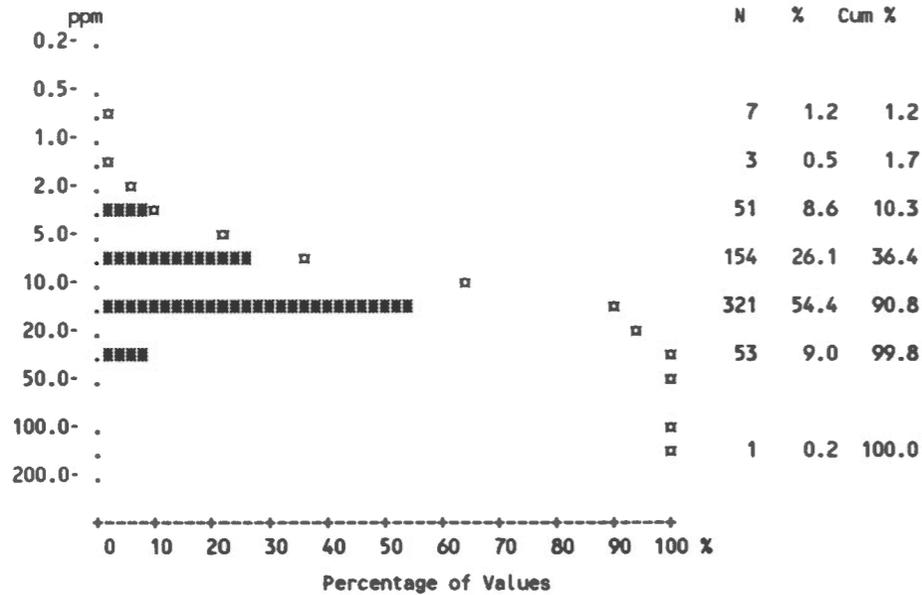


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	2.26	2.35	2.12	2.06	2.27	2.23	2.03
Standard Deviation	0.95	0.98	0.95	0.87	0.58	0.92	1.05
Skewness	1.09	1.45	0.33	0.061	0.17	1.58	0.18
Excess Kurtosis	4.48	6.36	-0.54	-1.41	-0.68	3.40	-1.76
Coef. of Var. %	41.99	41.69	44.87	42.09	25.54	41.27	51.88
Std. Error of the Mean	0.04	0.053	0.082	0.13	0.10	0.19	0.35
Lower 95% limit on Mean	2.18	2.24	1.96	1.80	2.06	1.83	1.22
Upper 95% limit on Mean	2.34	2.45	2.29	2.31	2.47	2.63	2.83
Geometric Statistics							
Mean	2.05	2.14	1.89	1.86	2.19	2.08	1.77
Log10 Mean	0.31	0.33	0.28	0.27	0.34	0.32	0.25
Log10 S.D.	0.20	0.20	0.23	0.21	0.12	0.16	0.25
Log10 Std. Error of Mean	0.01	0.011	0.019	0.030	0.021	0.034	0.082
Lower 95% limit on Mean	1.98	2.04	1.73	1.62	1.99	1.77	1.15
Upper 95% limit on Mean	2.13	2.25	2.06	2.14	2.41	2.45	2.74
Percentiles							
Min Value	0.22	0.22	0.34	0.68	1.13	0.92	0.87
25th %tile	1.57	1.65	1.32	1.26	1.85	1.61	0.94
50th %tile	2.20	2.32	2.08	1.93	2.21	2.14	1.65
75th %tile	2.88	2.89	2.99	2.94	2.51	2.74	2.94
80th %tile	3.01	3.02	3.11	3.05	2.69	2.86	2.99
90th %tile	3.33	3.34	3.35	3.17	3.14	3.20	3.66
95th %tile	3.56	3.61	3.56	3.29	3.21	3.20	3.66
98th %tile	4.40	4.83	3.96	3.48	3.46	5.38	3.66
99th %tile	5.38	6.10	4.40	3.48	3.46	5.38	3.66
Max Value	8.68	8.68	5.06	3.48	3.46	5.38	3.66

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Lead [Pb]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 2  
 Analytical Method - AAS

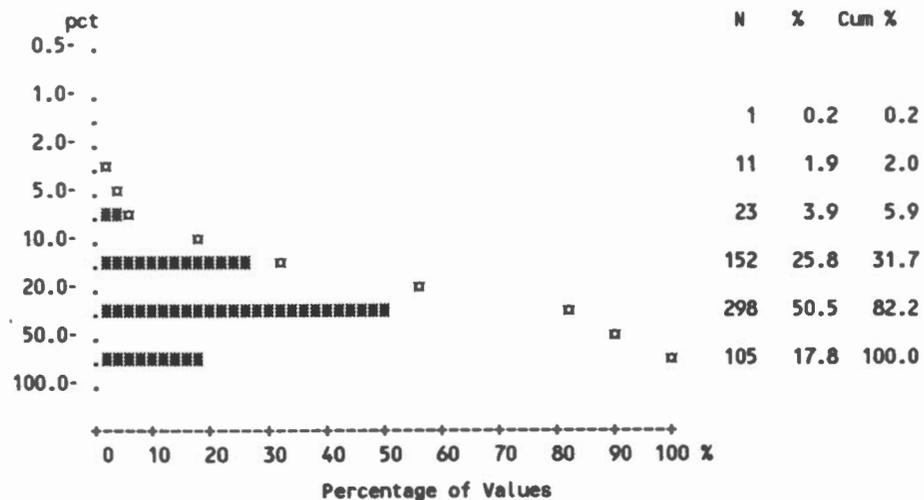


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	583	341	132	46	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	12.92	12.58	12.85	11.94	14.34	12.96	26.78
Standard Deviation	7.77	5.32	7.02	5.57	7.05	5.68	41.41
Skewness	6.96	0.72	0.45	-0.069	0.95	0.097	1.99
Excess Kurtosis	104.85	1.48	-0.53	-1.27	1.34	-0.75	2.40
Coef. of Var. %	60.16	42.26	54.59	46.66	49.16	43.88	154.66
Std. Error of the Mean	0.32	0.29	0.60	0.81	1.25	1.19	13.80
Lower 95% limit on Mean	12.29	12.02	11.66	10.30	11.80	10.50	-5.06
Upper 95% limit on Mean	13.55	13.15	14.05	13.57	16.89	15.41	58.61
Geometric Statistics							
Mean	11.20	11.32	10.64	10.27	12.60	11.51	15.52
Log10 Mean	1.05	1.05	1.03	1.01	1.10	1.06	1.19
Log10 S.D.	0.25	0.22	0.30	0.27	0.24	0.24	0.40
Log10 Std. Error of Mean	0.01	0.012	0.026	0.040	0.043	0.049	0.13
Lower 95% limit on Mean	10.70	10.73	9.47	8.55	10.31	9.10	7.59
Upper 95% limit on Mean	11.73	11.95	11.96	12.34	15.41	14.55	31.75
Percentiles							
Min Value	1.00	1.00	1.00	1.00	2.00	3.00	6.00
25th Xtile	8.00	9.00	7.00	7.00	9.00	9.00	9.00
50th Xtile	12.00	12.00	11.00	12.00	13.00	13.00	14.00
75th Xtile	16.00	16.00	19.00	17.00	18.00	16.00	17.00
80th Xtile	18.00	16.00	20.00	18.00	19.00	17.00	26.00
90th Xtile	20.00	19.00	22.00	19.00	22.00	20.00	136.00
95th Xtile	23.00	21.00	25.00	20.00	26.00	23.00	136.00
98th Xtile	27.00	26.00	29.00	21.00	37.00	24.00	136.00
99th Xtile	30.00	30.00	30.00	21.00	37.00	24.00	136.00
Max Value	136.00	34.00	34.00	21.00	37.00	24.00	136.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Loss-On-Ignition [LOI]  
 Number of Values - 590  
 Units - pct  
 Detection Limit - 1.0  
 Analytical Method - GRAV

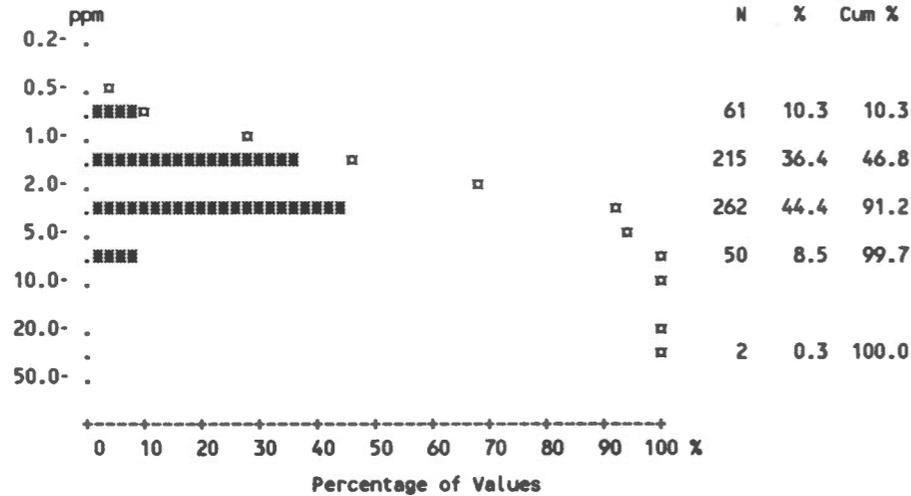


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	31.82	30.02	34.48	36.35	32.03	33.02	33.63
Standard Deviation	17.21	15.40	21.33	17.84	13.01	15.77	21.33
Skewness	0.62	0.63	0.49	0.15	-0	0.42	0.48
Excess Kurtosis	-0.35	0.11	-1.12	-1.23	-0.63	-1.00	-1.59
Coef. of Var. %	54.08	51.31	61.88	49.09	40.60	47.77	63.41
Std. Error of the Mean	0.71	0.83	1.84	2.60	2.30	3.29	7.11
Lower 95% limit on Mean	30.43	28.38	30.84	31.11	27.34	26.20	17.24
Upper 95% limit on Mean	33.21	31.65	38.11	41.59	36.72	39.84	50.03
Geometric Statistics							
Mean	26.83	25.61	27.65	31.25	28.79	29.34	28.01
Log10 Mean	1.43	1.41	1.44	1.49	1.46	1.47	1.45
Log10 S.D.	0.27	0.27	0.31	0.26	0.23	0.22	0.28
Log10 Std. Error of Mean	0.01	0.015	0.026	0.039	0.040	0.046	0.093
Lower 95% limit on Mean	25.49	23.98	24.52	26.14	23.88	23.51	17.09
Upper 95% limit on Mean	28.23	27.35	31.18	37.37	34.72	36.61	45.91
Percentiles							
Min Value	2.00	2.00	3.00	4.00	6.00	13.00	13.00
25th %tile	18.00	19.00	16.00	20.00	22.00	20.00	17.00
50th %tile	29.00	28.00	28.00	34.00	32.00	30.00	21.00
75th %tile	43.00	38.00	55.00	52.00	38.00	47.00	51.00
80th %tile	49.00	43.00	57.00	53.00	46.00	48.00	57.00
90th %tile	57.00	53.00	64.00	63.00	49.00	54.00	70.00
95th %tile	64.00	57.00	72.00	65.00	54.00	60.00	70.00
98th %tile	71.00	64.00	78.00	68.00	59.00	66.00	70.00
99th %tile	77.00	74.00	80.00	68.00	59.00	66.00	70.00
Max Value	85.00	85.00	83.00	68.00	59.00	66.00	70.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Magnesium in Water [Mg-W]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 0.05  
 Analytical Method - AAS

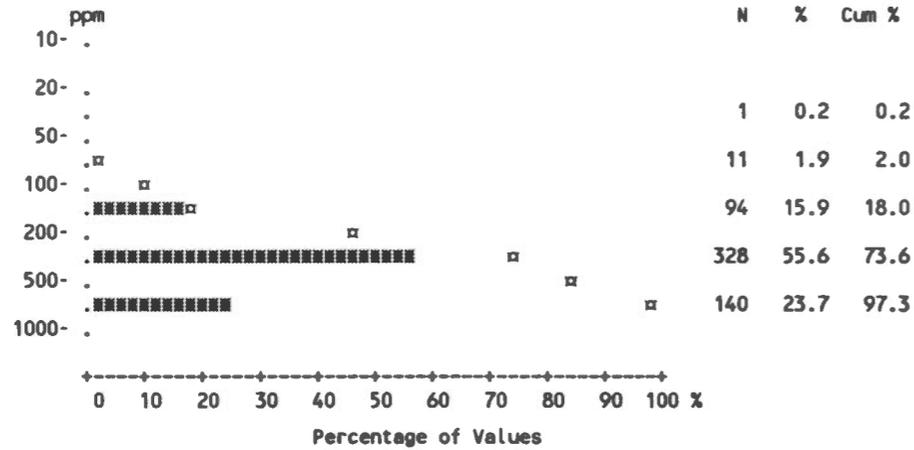


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	2.84	2.53	3.62	3.45	1.49	2.83	4.59
Standard Deviation	2.05	2.24	1.63	1.52	0.71	1.53	1.06
Skewness	3.48	4.73	-0.043	-0.13	2.63	0.41	-0.47
Excess Kurtosis	29.64	38.44	-0.95	-1.53	6.93	-1.63	-1.19
Coef. of Var. %	72.26	88.58	45.10	44.12	47.74	53.90	23.02
Std. Error of the Mean	0.08	0.12	0.14	0.22	0.13	0.32	0.35
Lower 95% limit on Mean	2.67	2.29	3.34	3.01	1.24	2.17	3.78
Upper 95% limit on Mean	3.00	2.76	3.89	3.90	1.75	3.49	5.40
Geometric Statistics							
Mean	2.29	1.99	3.18	3.07	1.39	2.46	4.47
Log10 Mean	0.36	0.30	0.50	0.49	0.14	0.39	0.65
Log10 S.D.	0.28	0.29	0.24	0.23	0.15	0.24	0.11
Log10 Std. Error of Mean	0.01	0.015	0.020	0.033	0.026	0.050	0.037
Lower 95% limit on Mean	2.18	1.85	2.89	2.63	1.23	1.94	3.67
Upper 95% limit on Mean	2.42	2.13	3.49	3.57	1.58	3.11	5.44
Percentiles							
Min Value	0.60	0.60	1.00	1.10	0.80	1.20	2.80
25th %tile	1.32	1.20	2.00	2.08	1.16	1.48	4.40
50th %tile	2.20	1.56	4.40	3.80	1.30	2.12	4.80
75th %tile	4.60	4.00	4.80	4.80	1.44	4.60	5.20
80th %tile	4.60	4.40	4.80	4.80	1.48	4.80	5.60
90th %tile	5.00	4.80	5.40	5.20	2.20	4.80	6.00
95th %tile	5.60	5.20	6.00	5.40	3.12	5.00	6.00
98th %tile	6.00	6.20	6.40	6.00	4.40	5.40	6.00
99th %tile	7.20	8.00	7.20	6.00	4.40	5.40	6.00
Max Value	23.00	23.00	8.40	6.00	4.40	5.40	6.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Manganese [Mn]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 5  
 Analytical Method - AAS

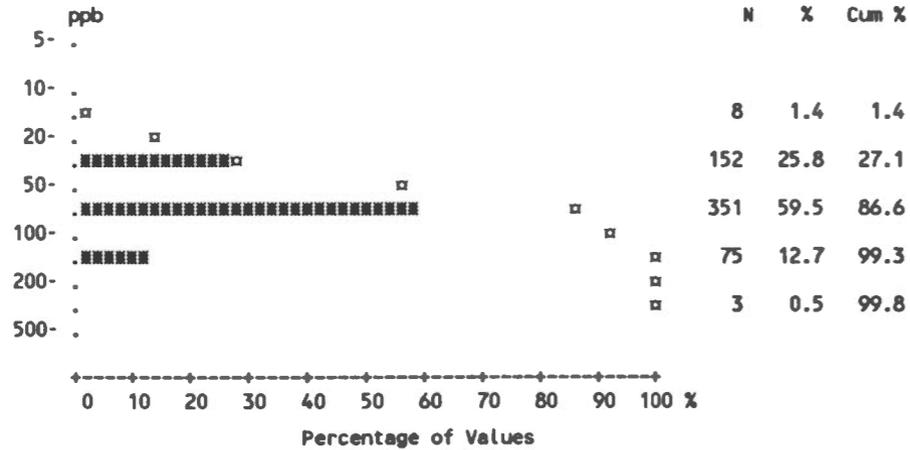


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	427.77	412.51	490.52	375.94	407.06	461.13	328.78
Standard Deviation	528.11	410.59	845.80	307.60	164.21	443.09	164.11
Skewness	10.75	5.26	9.60	3.65	0.24	2.58	0.40
Excess Kurtosis	166.05	33.46	101.11	17.28	-1.49	7.15	-1.47
Coef. of Var. %	123.46	99.53	172.43	81.82	40.34	96.09	49.92
Std. Error of the Mean	21.74	22.14	72.80	44.87	29.03	92.39	54.70
Lower 95% limit on Mean	385.06	368.96	346.54	285.61	347.85	269.51	202.63
Upper 95% limit on Mean	470.47	456.05	634.50	466.27	466.28	652.75	454.93
Geometric Statistics							
Mean	336.48	330.50	354.29	310.06	374.30	349.92	292.37
Log10 Mean	2.53	2.52	2.55	2.49	2.57	2.54	2.47
Log10 S.D.	0.27	0.27	0.31	0.26	0.18	0.31	0.23
Log10 Std. Error of Mean	0.01	0.014	0.026	0.037	0.033	0.064	0.076
Lower 95% limit on Mean	319.81	309.66	314.09	260.79	321.27	257.51	195.11
Upper 95% limit on Mean	354.01	352.73	399.64	368.64	436.09	475.50	438.10
Percentiles							
Min Value	35.00	35.00	60.00	101.00	170.00	124.00	122.00
25th %tile	222.00	222.00	214.00	213.00	251.00	202.00	223.00
50th %tile	325.00	313.00	361.00	294.00	360.00	355.00	287.00
75th %tile	516.00	480.00	562.00	470.00	568.00	530.00	440.00
80th %tile	553.00	525.00	602.00	534.00	595.00	578.00	545.00
90th %tile	664.00	626.00	737.00	605.00	621.00	923.00	595.00
95th %tile	868.00	770.00	956.00	754.00	667.00	997.00	595.00
98th %tile	1297.00	1297.00	1612.00	2080.00	686.00	2184.00	595.00
99th %tile	2808.00	2990.00	1824.00	2080.00	686.00	2184.00	595.00
Max Value	9698.00	3536.00	9698.00	2080.00	686.00	2184.00	595.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Mercury [Hg]  
 Number of Values - 590  
 Units - ppb  
 Detection Limit - 10  
 Analytical Method - AAS

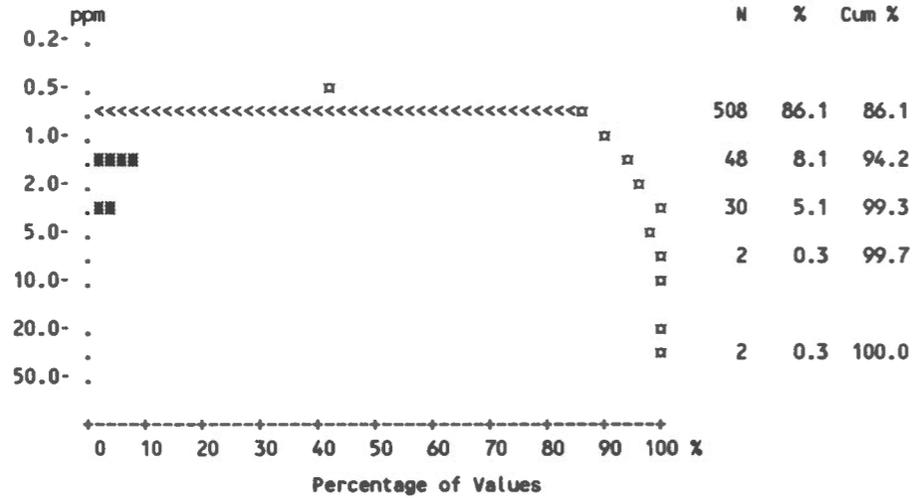


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	71.32	73.13	67.81	60.43	89.47	69.17	52.33
Standard Deviation	50.49	28.47	90.87	23.05	37.76	33.10	16.58
Skewness	12.53	1.00	9.37	0.82	0.87	0.87	-0.023
Excess Kurtosis	234.51	4.40	97.15	0.23	1.17	-0.35	-1.24
Coef. of Var. %	70.80	38.93	133.99	38.15	42.20	47.86	31.67
Std. Error of the Mean	2.08	1.54	7.82	3.36	6.67	6.90	5.53
Lower 95% limit on Mean	67.24	70.11	52.35	53.66	75.85	54.86	39.59
Upper 95% limit on Mean	75.40	76.15	83.28	67.20	103.08	83.49	65.07
Geometric Statistics							
Mean	63.74	67.40	55.45	56.42	81.89	62.45	49.79
Log10 Mean	1.80	1.83	1.74	1.75	1.91	1.80	1.70
Log10 S.D.	0.20	0.19	0.23	0.16	0.19	0.20	0.15
Log10 Std. Error of Mean	0.01	0	0.020	0.024	0.034	0.042	0.050
Lower 95% limit on Mean	61.41	64.42	50.68	50.53	69.86	51.19	38.14
Upper 95% limit on Mean	66.15	70.51	60.66	62.99	95.98	76.17	64.98
Percentiles							
Min Value	12.00	15.00	12.00	26.00	30.00	27.00	29.00
25th Xtile	50.00	55.00	40.00	46.00	63.00	46.00	46.00
50th Xtile	66.00	70.00	55.00	55.00	89.00	64.00	52.00
75th Xtile	84.00	89.00	71.00	76.00	102.00	88.00	58.00
80th Xtile	91.00	94.00	76.00	82.00	108.00	97.00	70.00
90th Xtile	106.00	109.00	92.00	88.00	130.00	120.00	79.00
95th Xtile	124.00	123.00	121.00	105.00	171.00	140.00	79.00
98th Xtile	140.00	133.00	156.00	128.00	205.00	142.00	79.00
99th Xtile	162.00	146.00	284.00	128.00	205.00	142.00	79.00
Max Value	1047.00	257.00	1047.00	128.00	205.00	142.00	79.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Molybdenum [Mo]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 2  
 Analytical Method - AAS

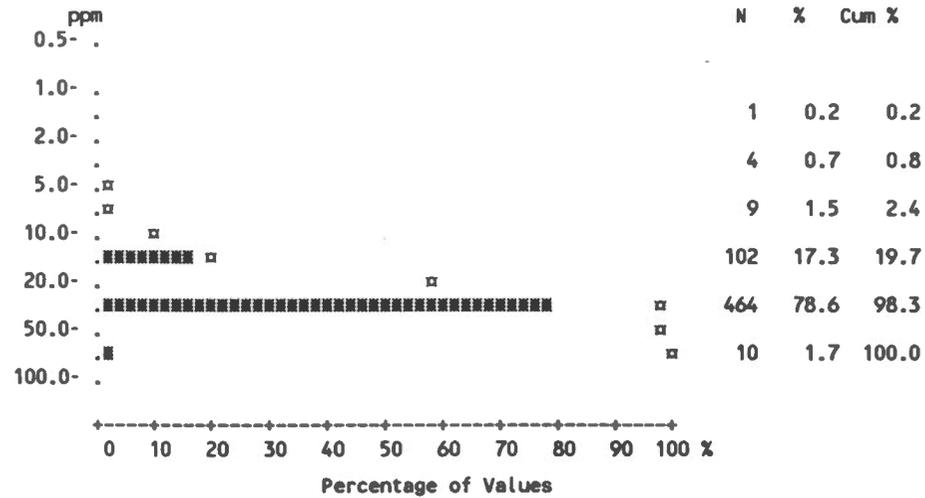


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	82	40	26	7	1	6	2
Number of Missing Values	0	0	0	0	0	0	0
Mean	1.34	1.27	1.39	1.17	1.03	2.91	1.33
Standard Deviation	2.06	1.80	1.01	0.43	0.18	7.26	0.71
Skewness	14.44	15.90	3.31	2.45	5.14	4.10	1.47
Excess Kurtosis	229.40	274.90	11.76	5.50	25.18	15.75	0.56
Coef. of Var. %	153.56	142.41	72.72	37.03	17.14	249.25	53.03
Std. Error of the Mean	0.08	0.097	0.087	0.063	0.031	1.51	0.24
Lower 95% limit on Mean	1.17	1.08	1.21	1.04	0.97	-0.23	0.79
Upper 95% limit on Mean	1.51	1.46	1.56	1.30	1.09	6.05	1.88
Geometric Statistics							
Mean	1.15	1.12	1.21	1.12	1.02	1.45	1.22
Log10 Mean	0.06	0.048	0.084	0.049	0	0.16	0.086
Log10 S.D.	0.17	0.15	0.19	0.12	0.053	0.36	0.18
Log10 Std. Error of Mean	0.01	0	0.016	0.017	0	0.075	0.059
Lower 95% limit on Mean	1.11	1.08	1.13	1.03	0.98	1.02	0.89
Upper 95% limit on Mean	1.18	1.16	1.31	1.21	1.07	2.07	1.67
Percentiles							
Min Value	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25th %tile	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50th %tile	1.00	1.00	1.00	1.00	1.00	1.00	1.00
75th %tile	1.00	1.00	1.00	1.00	1.00	2.00	1.00
80th %tile	1.00	1.00	1.00	1.00	1.00	2.00	2.00
90th %tile	2.00	2.00	2.00	2.00	1.00	3.00	3.00
95th %tile	3.00	2.00	3.00	2.00	1.00	4.00	3.00
98th %tile	4.00	3.00	5.00	3.00	2.00	36.00	3.00
99th %tile	5.00	4.00	6.00	3.00	2.00	36.00	3.00
Max Value	36.00	33.00	7.00	3.00	2.00	36.00	3.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Nickel [Ni]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 2  
 Analytical Method - AAS

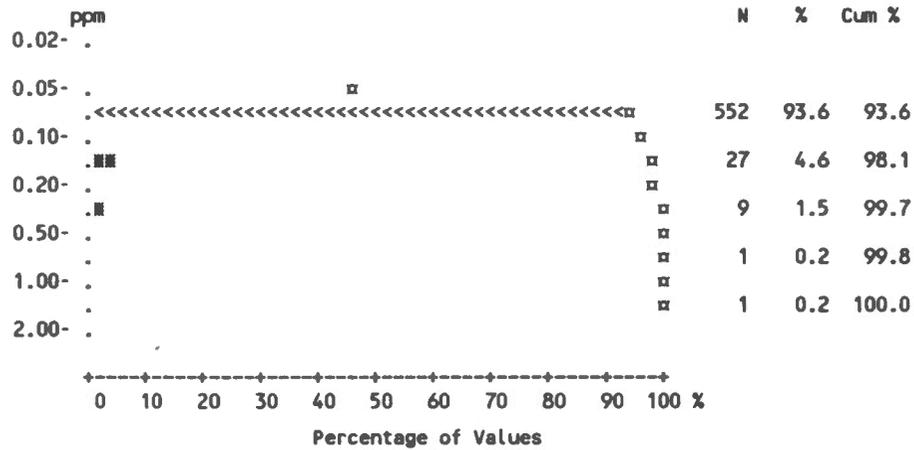


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	30.33	29.83	31.18	30.23	30.47	32.61	31.00
Standard Deviation	10.97	10.78	12.58	10.69	8.05	8.09	10.00
Skewness	0.54	0.49	0.88	-0.27	-0.21	-0.75	-0.58
Excess Kurtosis	2.89	1.95	4.35	-0.91	-1.09	0.14	-1.65
Coef. of Var. %	36.17	36.14	40.35	35.34	26.41	24.82	32.26
Std. Error of the Mean	0.45	0.58	1.08	1.56	1.42	1.69	3.33
Lower 95% limit on Mean	29.44	28.69	29.04	27.10	27.57	29.11	23.31
Upper 95% limit on Mean	31.22	30.97	33.32	33.37	33.37	36.11	38.69
Geometric Statistics							
Mean	28.03	27.58	28.29	27.96	29.33	31.38	29.25
Log10 Mean	1.45	1.44	1.45	1.45	1.47	1.50	1.47
Log10 S.D.	0.19	0.19	0.21	0.19	0.13	0.13	0.17
Log10 Std. Error of Mean	0.01	0.010	0.018	0.027	0.022	0.028	0.055
Lower 95% limit on Mean	27.06	26.34	26.03	24.64	26.41	27.50	21.79
Upper 95% limit on Mean	29.03	28.88	30.75	31.73	32.57	35.81	39.25
Percentiles							
Min Value	2.00	2.00	3.00	9.00	14.00	13.00	15.00
25th %tile	22.00	22.00	22.00	22.00	24.00	28.00	21.00
50th %tile	31.00	30.00	33.00	31.00	31.00	34.00	36.00
75th %tile	38.00	37.00	40.00	37.00	37.00	38.00	37.00
80th %tile	39.00	38.00	41.00	41.00	38.00	39.00	39.00
90th %tile	43.00	42.00	44.00	43.00	40.00	41.00	41.00
95th %tile	46.00	47.00	48.00	46.00	42.00	43.00	41.00
98th %tile	50.00	55.00	50.00	49.00	44.00	46.00	41.00
99th %tile	58.00	58.00	59.00	49.00	44.00	46.00	41.00
Max Value	98.00	88.00	98.00	49.00	44.00	46.00	41.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Silver [Ag]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 0.2  
 Analytical Method - AAS

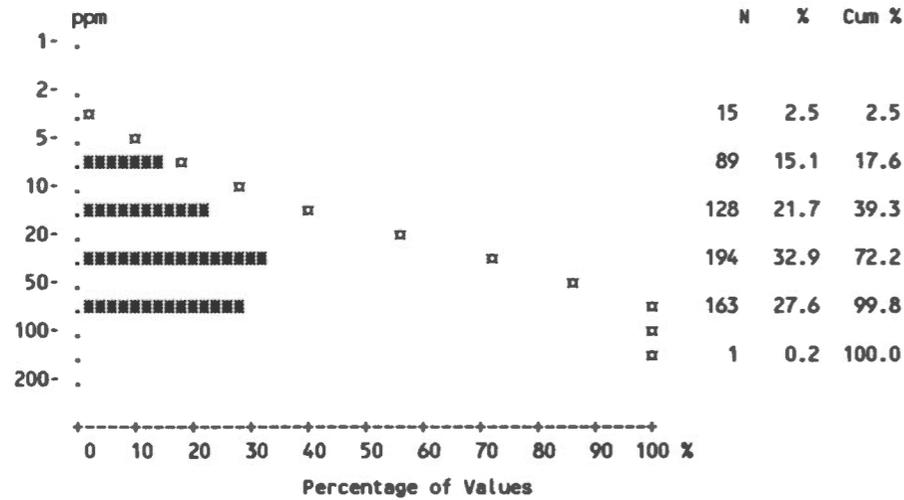


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	38	18	17	1	1	1	0
Number of Missing Values	0	0	0	0	0	0	0
Mean	0.11	0.11	0.13	0.10	0.10	0.10	-
Standard Deviation	0.06	0.034	0.12	0.015	0.018	0.021	-
Skewness	12.58	5.29	7.57	6.42	5.14	4.19	-
Excess Kurtosis	210.23	30.70	66.83	40.13	25.18	16.26	-
Coef. of Var. %	57.48	31.51	94.16	14.28	17.14	19.98	-
Std. Error of the Mean	0.00	0	0.010	0	0	0	-
Lower 95% limit on Mean	0.11	0.10	0.11	0.098	0.097	0.095	-
Upper 95% limit on Mean	0.12	0.11	0.15	0.11	0.11	0.11	-
Geometric Statistics							
Mean	0.11	0.10	0.11	0.10	0.10	0.10	-
Log10 Mean	-0.98	-0.98	-0.95	-0.99	-0.99	-0.99	-
Log10 S.D.	0.10	0.085	0.16	0.044	0.053	0.063	-
Log10 Std. Error of Mean	0.00	0	0.014	0	0	0.013	-
Lower 95% limit on Mean	0.10	0.10	0.11	0.099	0.098	0.097	-
Upper 95% limit on Mean	0.11	0.11	0.12	0.10	0.11	0.11	-
Percentiles							
Min Value	0.10	0.10	0.10	0.10	0.10	0.10	-
25th Xtile	0.10	0.10	0.10	0.10	0.10	0.10	-
50th Xtile	0.10	0.10	0.10	0.10	0.10	0.10	-
75th Xtile	0.10	0.10	0.10	0.10	0.10	0.10	-
80th Xtile	0.10	0.10	0.10	0.10	0.10	0.10	-
90th Xtile	0.10	0.10	0.20	0.10	0.10	0.10	-
95th Xtile	0.20	0.20	0.20	0.10	0.10	0.10	-
98th Xtile	0.20	0.20	0.40	0.20	0.20	0.20	-
99th Xtile	0.30	0.30	0.60	0.20	0.20	0.20	-
Max Value	1.30	0.40	1.30	0.20	0.20	0.20	-

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Total Alkalinity in Water [T-Alk]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 1  
 Analytical Method - TIT

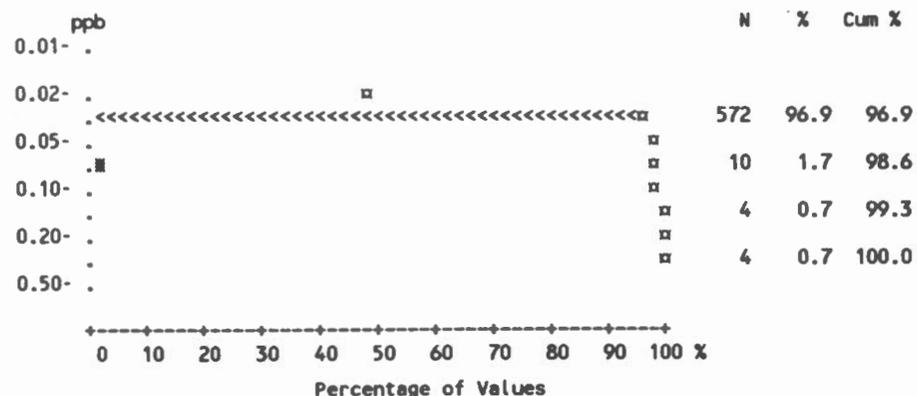


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	34.15	25.50	53.88	47.66	14.78	35.26	63.89
Standard Deviation	22.19	18.69	17.95	14.00	8.32	17.65	16.17
Skewness	0.43	0.89	-0.094	-0.52	2.18	0.18	0.50
Excess Kurtosis	-0.75	0.020	0.41	-0.37	5.58	-1.16	-1.58
Coef. of Var. %	64.97	73.28	33.30	29.38	56.26	50.07	25.32
Std. Error of the Mean	0.91	1.01	1.54	2.04	1.47	3.68	5.39
Lower 95% limit on Mean	32.35	23.52	50.83	43.55	11.78	27.63	51.46
Upper 95% limit on Mean	35.94	27.48	56.94	51.77	17.78	42.90	76.32
Geometric Statistics							
Mean	25.95	19.15	50.00	45.09	13.26	30.45	62.19
Log10 Mean	1.41	1.28	1.70	1.65	1.12	1.48	1.79
Log10 S.D.	0.35	0.34	0.19	0.16	0.19	0.26	0.11
Log10 Std. Error of Mean	0.01	0.018	0.016	0.023	0.034	0.053	0.035
Lower 95% limit on Mean	24.31	17.61	46.44	40.49	11.30	23.59	51.60
Upper 95% limit on Mean	27.70	20.81	53.83	50.20	15.56	39.29	74.95
Percentiles							
Min Value	3.00	3.00	9.00	12.00	7.00	10.00	50.00
25th Xtile	13.00	10.00	47.00	35.00	10.00	21.00	51.00
50th Xtile	35.00	17.00	53.00	52.00	12.00	33.00	53.00
75th Xtile	52.00	41.00	61.00	57.00	17.00	52.00	77.00
80th Xtile	53.00	46.00	67.00	58.00	19.00	54.00	81.00
90th Xtile	59.00	52.00	79.00	61.00	23.00	56.00	92.00
95th Xtile	74.00	56.00	83.00	70.00	30.00	56.00	92.00
98th Xtile	83.00	75.00	92.00	73.00	48.00	72.00	92.00
99th Xtile	91.00	78.00	97.00	73.00	48.00	72.00	92.00
Max Value	101.00	96.00	101.00	73.00	48.00	72.00	92.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Uranium in Water [U-W]  
 Number of Values - 590  
 Units - ppb  
 Detection Limit - 0.05  
 Analytical Method - LIF

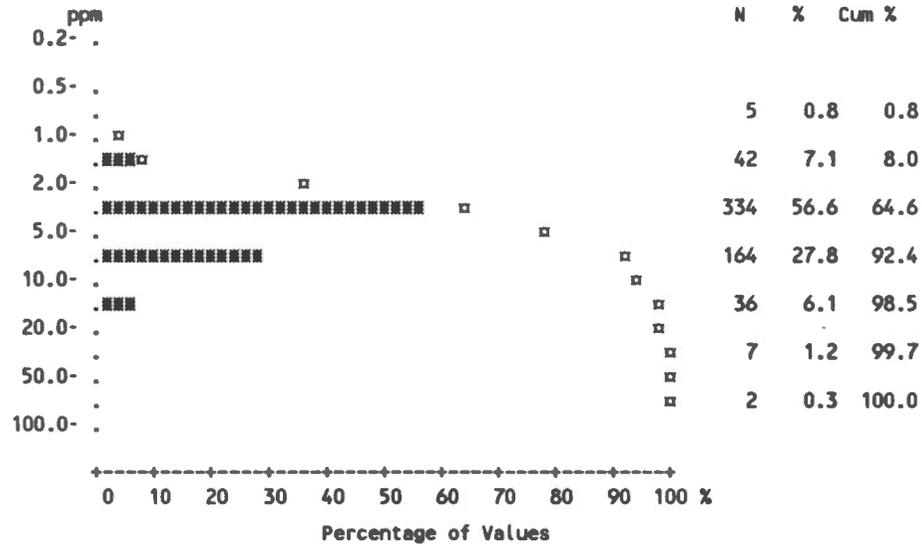


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	18	9	6	0	0	2	1
Number of Missing Values	0	0	0	0	0	0	0
Mean	0.03	0.028	0.028	-	-	0.049	0.030
Standard Deviation	0.03	0.021	0.021	-	-	0.090	0.015
Skewness	10.67	8.86	8.83	-	-	3.66	2.07
Excess Kurtosis	135.10	87.16	86.06	-	-	12.77	2.63
Coef. of Var. %	91.38	74.39	74.96	-	-	183.53	50.00
Std. Error of the Mean	0.00	0	0	-	-	0.019	0
Lower 95% limit on Mean	0.03	0.026	0.025	-	-	0.010	0.018
Upper 95% limit on Mean	0.03	0.030	0.032	-	-	0.088	0.042
Geometric Statistics							
Mean	0.03	0.026	0.026	-	-	0.031	0.028
Log10 Mean	-1.58	-1.58	-1.58	-	-	-1.51	-1.55
Log10 S.D.	0.12	0.11	0.12	-	-	0.30	0.15
Log10 Std. Error of Mean	0.00	0	0.010	-	-	0.063	0.050
Lower 95% limit on Mean	0.03	0.025	0.025	-	-	0.023	0.022
Upper 95% limit on Mean	0.03	0.027	0.028	-	-	0.042	0.036
Percentiles							
Min Value	0.03	0.025	0.025	-	-	0.025	0.025
25th Xtile	0.03	0.025	0.025	-	-	0.025	0.025
50th Xtile	0.03	0.025	0.025	-	-	0.025	0.025
75th Xtile	0.03	0.025	0.025	-	-	0.025	0.025
80th Xtile	0.03	0.025	0.025	-	-	0.025	0.025
90th Xtile	0.03	0.025	0.025	-	-	0.025	0.070
95th Xtile	0.03	0.025	0.025	-	-	0.16	0.070
98th Xtile	0.07	0.070	0.070	-	-	0.44	0.070
99th Xtile	0.16	0.13	0.10	-	-	0.44	0.070
Max Value	0.44	0.28	0.25	-	-	0.44	0.070

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Uranium [U]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 0.5  
 Analytical Method - NADNC

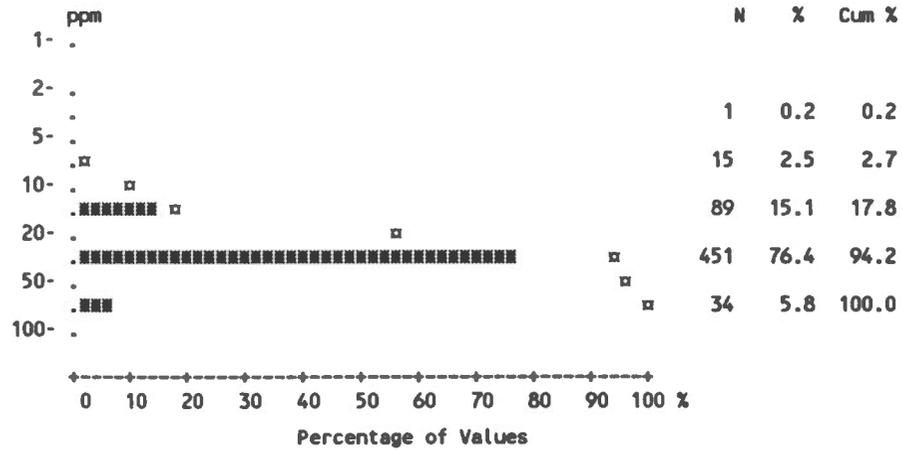


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	5.40	5.99	3.57	3.62	6.92	9.54	3.96
Standard Deviation	5.03	4.19	1.77	1.76	3.08	17.63	1.70
Skewness	6.90	2.89	2.07	1.18	0.69	2.78	-0.20
Excess Kurtosis	72.52	11.05	9.25	1.77	0.33	6.19	-1.84
Coef. of Var. %	93.15	69.92	49.41	48.59	44.46	184.72	42.91
Std. Error of the Mean	0.21	0.23	0.15	0.26	0.54	3.68	0.57
Lower 95% limit on Mean	5.00	5.54	3.27	3.10	5.81	1.92	2.65
Upper 95% limit on Mean	5.81	6.43	3.88	4.14	8.03	17.17	5.26
Geometric Statistics							
Mean	4.46	5.11	3.21	3.24	6.24	5.13	3.57
Log10 Mean	0.65	0.71	0.51	0.51	0.80	0.71	0.55
Log10 S.D.	0.25	0.23	0.21	0.21	0.21	0.38	0.22
Log10 Std. Error of Mean	0.01	0.012	0.018	0.031	0.037	0.079	0.073
Lower 95% limit on Mean	4.25	4.83	2.96	2.80	5.25	3.52	2.42
Upper 95% limit on Mean	4.67	5.41	3.48	3.74	7.42	7.48	5.27
Percentiles							
Min Value	0.90	0.90	0.90	0.90	2.10	1.70	1.50
25th Xtile	3.20	3.80	2.20	2.20	4.70	3.50	2.50
50th Xtile	4.40	4.80	3.50	3.40	6.50	4.70	4.60
75th Xtile	5.80	6.50	4.60	4.50	8.30	5.60	5.30
80th Xtile	6.40	7.20	4.70	4.70	8.70	6.10	5.70
90th Xtile	8.70	10.90	5.30	5.40	10.40	6.80	6.00
95th Xtile	12.10	14.30	5.90	7.70	13.70	58.30	6.00
98th Xtile	18.80	20.50	9.30	9.20	15.30	71.50	6.00
99th Xtile	22.70	22.70	9.70	9.20	15.30	71.50	6.00
Max Value	71.50	34.70	14.20	9.20	15.30	71.50	6.00

\* Summary statistics not listed for rock units with less than 8 values.

Statistics per Variable

Variable - Vanadium [V]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 5  
 Analytical Method - AAS

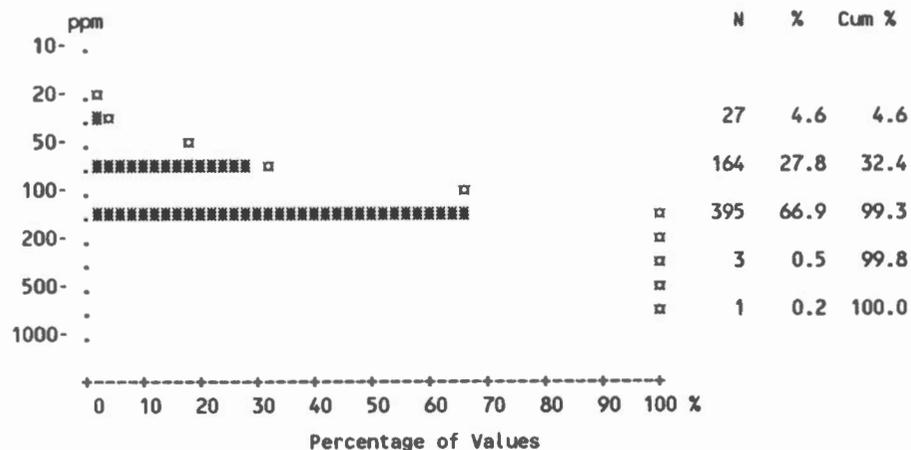


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	32.23	32.87	31.16	29.17	36.44	30.17	30.44
Standard Deviation	12.16	12.03	12.72	11.67	10.42	11.48	15.24
Skewness	0.29	0.37	0.20	0.037	0.24	0.76	0.23
Excess Kurtosis	0.23	0.98	-0.89	-1.07	-0.73	-0.64	-1.30
Coef. of Var. %	37.74	36.61	40.84	40.00	28.61	38.03	50.06
Std. Error of the Mean	0.50	0.65	1.09	1.70	1.84	2.39	5.08
Lower 95% limit on Mean	31.25	31.59	28.99	25.74	32.68	25.21	18.73
Upper 95% limit on Mean	33.22	34.14	33.32	32.60	40.20	35.14	42.16
Geometric Statistics							
Mean	29.67	30.40	28.31	26.54	34.95	28.27	26.61
Log10 Mean	1.47	1.48	1.45	1.42	1.54	1.45	1.42
Log10 S.D.	0.19	0.18	0.20	0.20	0.13	0.16	0.26
Log10 Std. Error of Mean	0.01	0	0.017	0.030	0.023	0.033	0.085
Lower 95% limit on Mean	28.65	29.07	26.17	23.14	31.38	24.14	16.94
Upper 95% limit on Mean	30.72	31.79	30.62	30.44	38.93	33.11	41.80
Percentiles							
Min Value	5.00	5.00	8.00	8.00	19.00	14.00	9.00
25th %tile	23.00	24.00	21.00	21.00	28.00	23.00	23.00
50th %tile	32.00	33.00	30.00	29.00	36.00	26.00	31.00
75th %tile	41.00	41.00	40.00	39.00	43.00	36.00	33.00
80th %tile	43.00	43.00	42.00	41.00	45.00	43.00	53.00
90th %tile	48.00	48.00	48.00	47.00	50.00	48.00	53.00
95th %tile	52.00	51.00	53.00	48.00	56.00	52.00	53.00
98th %tile	56.00	57.00	57.00	50.00	58.00	55.00	53.00
99th %tile	60.00	60.00	58.00	50.00	58.00	55.00	53.00
Max Value	93.00	93.00	60.00	50.00	58.00	55.00	53.00

\* Summary statistics not listed for rock units with less than 8 values.

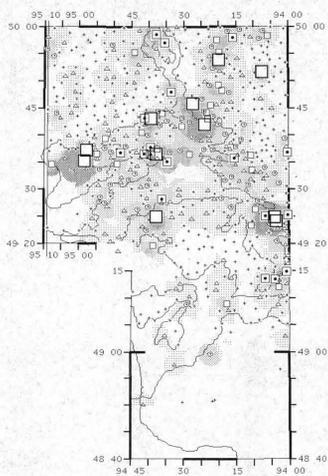
Statistics per Variable

Variable - Zinc [Zn]  
 Number of Values - 590  
 Units - ppm  
 Detection Limit - 2  
 Analytical Method - AAS

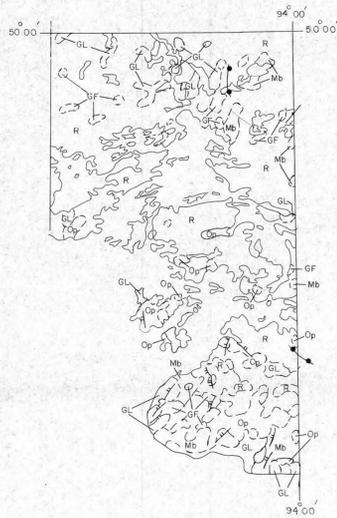


	All Units*	AGM	AMVB	AMVF	AGY	ACSP	AUB
Number of Values	590	344	135	47	32	23	9
Number of Values > D.L.	590	344	135	47	32	23	9
Number of Missing Values	0	0	0	0	0	0	0
Mean	109.34	109.44	110.29	102.53	117.50	111.09	93.56
Standard Deviation	37.48	29.25	58.75	25.63	20.02	27.72	25.40
Skewness	5.81	0.081	6.56	-0.72	-0.28	-0.18	-0.60
Excess Kurtosis	86.19	2.88	60.10	0.30	-1.16	0.68	-1.22
Coef. of Var. %	34.28	26.73	53.27	25.00	17.04	24.95	27.15
Std. Error of the Mean	1.54	1.58	5.06	3.74	3.54	5.78	8.47
Lower 95% limit on Mean	106.31	106.33	100.29	95.01	110.28	99.10	74.03
Upper 95% limit on Mean	112.37	112.54	120.29	110.06	124.72	123.07	113.08
Geometric Statistics							
Mean	103.97	104.76	101.79	98.49	115.76	107.18	89.86
Log10 Mean	2.02	2.02	2.01	1.99	2.06	2.03	1.95
Log10 S.D.	0.14	0.14	0.17	0.14	0.078	0.13	0.14
Log10 Std. Error of Mean	0.01	0	0.015	0.020	0.014	0.026	0.046
Lower 95% limit on Mean	101.22	101.26	95.19	89.87	108.53	94.49	70.38
Upper 95% limit on Mean	106.80	108.37	108.84	107.93	123.46	121.58	114.73
Percentiles							
Min Value	23.00	23.00	27.00	32.00	80.00	42.00	48.00
25th Xtile	94.00	96.00	85.00	87.00	104.00	103.00	88.00
50th Xtile	111.00	111.00	112.00	105.00	120.00	111.00	100.00
75th Xtile	127.00	127.00	125.00	125.00	132.00	123.00	115.00
80th Xtile	129.00	130.00	127.00	126.00	134.00	127.00	118.00
90th Xtile	138.00	139.00	143.00	135.00	139.00	144.00	120.00
95th Xtile	149.00	148.00	150.00	135.00	149.00	160.00	120.00
98th Xtile	161.00	168.00	179.00	148.00	149.00	172.00	120.00
99th Xtile	181.00	181.00	283.00	148.00	149.00	172.00	120.00
Max Value	673.00	260.00	673.00	148.00	149.00	172.00	120.00

\* Summary statistics not listed for rock units with less than 8 values.



REGIONAL TREND MAP



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:**

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

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

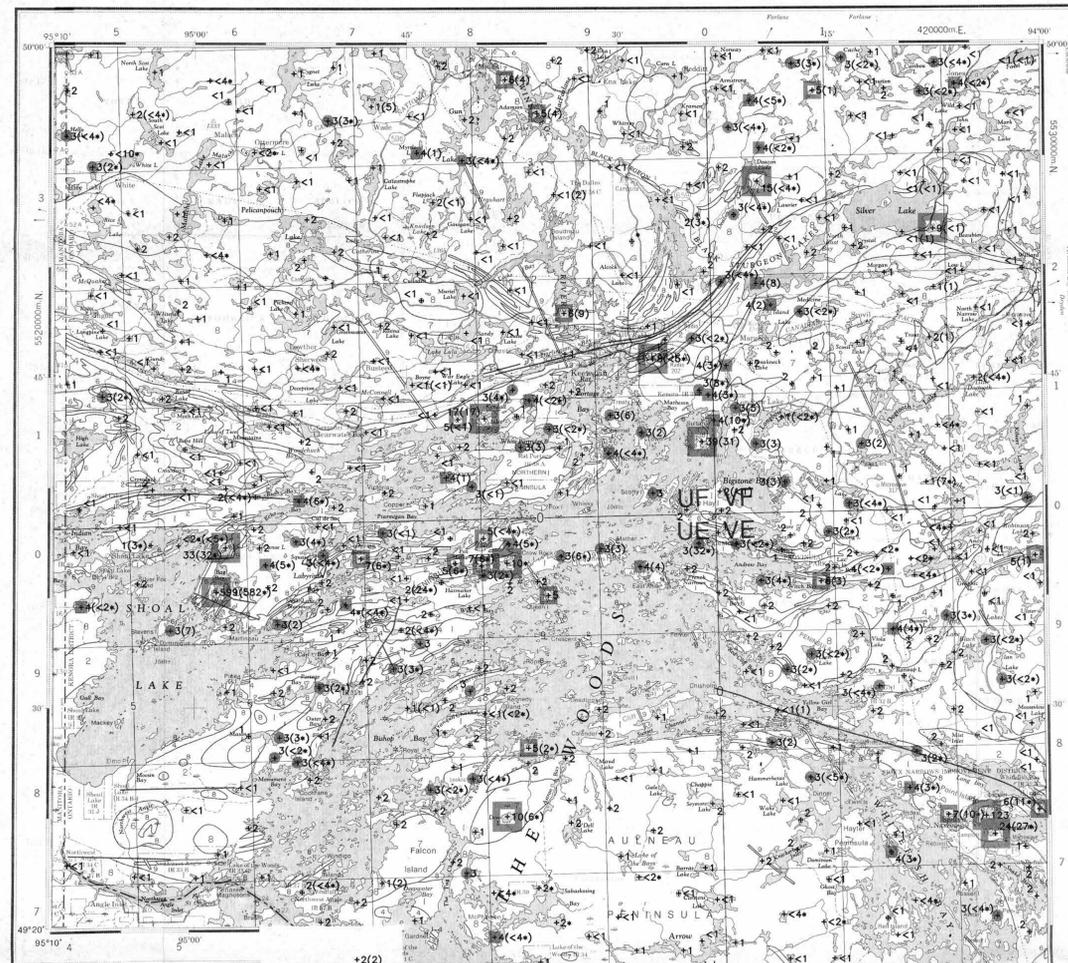
**CONTRACTORS**

- Collection:** SIAL Geophysique Inc., Montreal
- Preparation:** Golder Associates, Ottawa
- Sediment Analysis:** Bondar-Clegg and Company Ltd., Ottawa  
Chemex Labs Limited, Vancouver (Au only)
- Water Analysis:** Chemex Labs Limited, Vancouver
- Cartography:** GSC - Geological Information Division  
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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.

CONCENTRATION	FREQUENCY
8 to 599	N = 11 ( 1.9%)
5 to 7	N = 18 ( 3.1%)
4	N = 25 ( 4.2%)
3	N = 63 (10.7%)
0 to 2	N = 472 (80.1%)



**GEOLOGY LEGEND**

- PRECAMBRIAN**
- 94** LPAD 04\*\* Diabase dykes
- ARCHEAN**
- 8** AGM 02 Quartz monzonite, granodiorite, trondjemite, quartz diorite, granite, quartz and feldspar porphyries (rock units may be massive, foliated, equigranular, or gneissic)
- 7** AGY 02 Equigranular and porphyritic monzonite, syenodiorite, syenite, diorite and quartz diorite
- 6** AUB 02 Gabbro, norite, diorite, anorthosite, anorthositic gabbro, peridotite, pyroxenite
- 5** AIF 02 Chemical metasediments, ironstone, magnetite and pyrite ironstone, chert
- 4** ACSP 02 Clastic metasediments, pebble and boulder conglomerate, sandstone, siltstone, argillite and derived schists, migmatite, metaxite
- 3** AMVA 02 Alkalic mafic metavolcanic flows
- 2** AMVF 02 Felsic to intermediate metavolcanics: flows, tuff, agglomerate, breccia and migmatite
- 1** AMVB 02 Mafic metavolcanics: massive and pillowed flows, tuff, agglomerate and breccia, amphibolite, amphibolite gneiss and migmatite

This geology legend is common for both GSC Open Files 1957 and 1958

\* 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 data .....
- Single analysis, 10g sample weight ..... +27
- Single analysis, <10g sample weight ..... +27\*
- Repeat analysis, both samples 10g ..... +27 (14)
- Repeat analysis, first sample 10g, repeat <10g ..... +27 (14\*)
- Single analysis, 10g sample, less than detection limit of 1 ppb ..... +<1
- Field duplicate site .....

**Source of information:**

Ontario Geological Survey (1979) Kenora - Fort Frances Geological Compilation Series, Map 2443, Scale 1: 253,440

Elevation in feet above mean sea level

Magnetic declination for 1989 ranges from 3°41'E, decreasing 7.2' annually, in the southeast corner of the map area, to 4°56'E, decreasing 7.6' annually, in the northwest corner of the map area.

GSC OPEN FILE 1957  
CANADA - ONTARIO  
MINERAL DEVELOPMENT  
AGREEMENT  
(1985 - 1990)



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

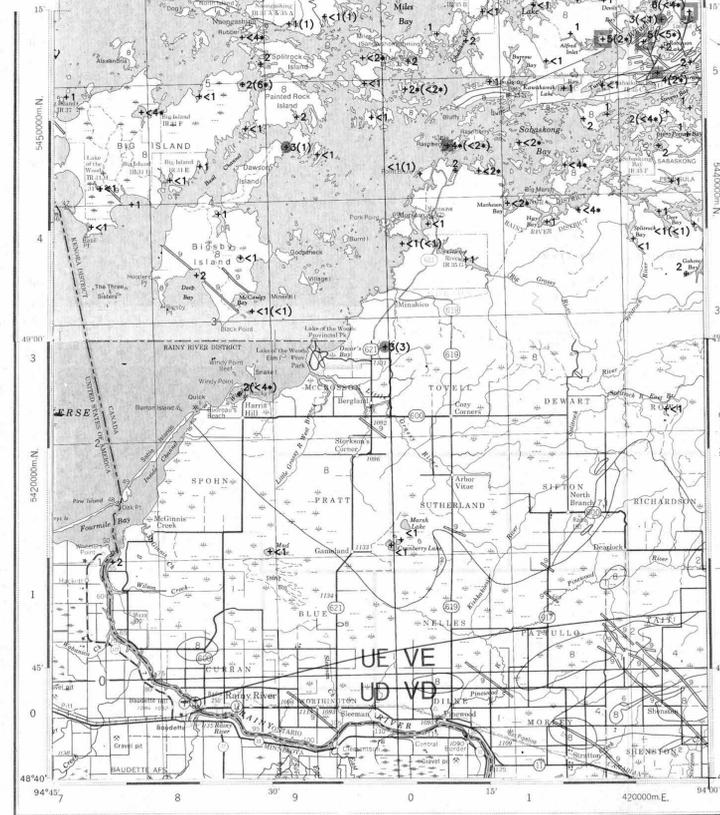
Contribution à l'Entente auxiliaire Canada/Ontario sur l'exploitation minière 1985 dans le cadre de l'Entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada.



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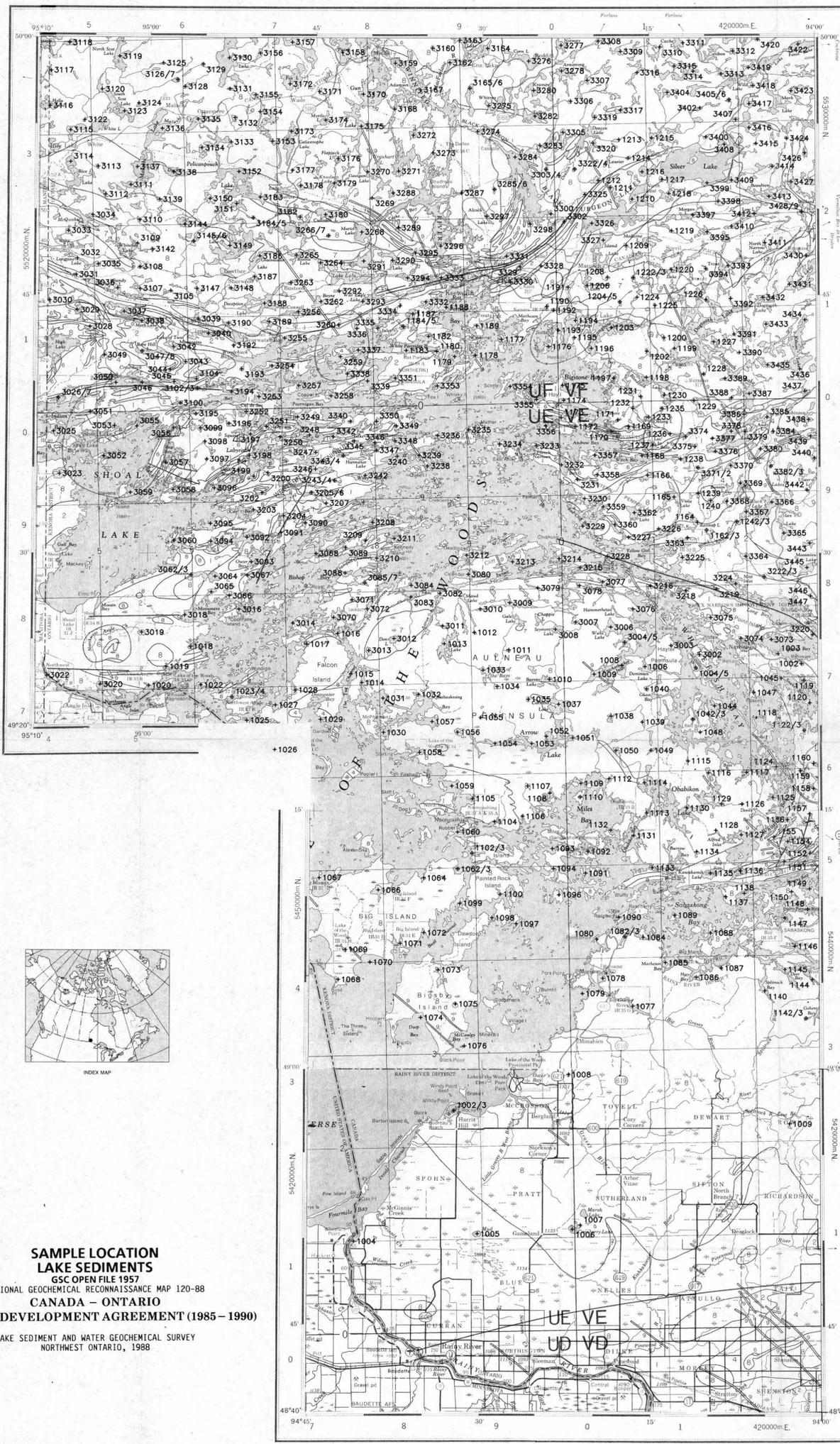
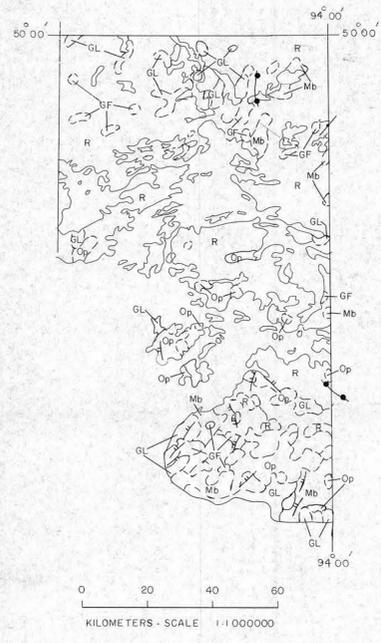


**GOLD (ppb)  
LAKE SEDIMENTS**  
GSC OPEN FILE 1957  
REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 120-88  
CANADA - ONTARIO  
MINERAL DEVELOPMENT AGREEMENT (1985-1990)  
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY  
NORTHWEST ONTARIO, 1988



Scale 1:250 000 - Échelle 1/250 000  
Kilometres / Kilomètres  
Universal Transverse Mercator Projection / Projection transversale universelle de Mercator  
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**GEOLOGY LEGEND**

- PRECAMBRIAN**
- 9\* LPAD 04\*\* Diabase dykes
- ARCHEAN**
- 8 AGM 02 Quartz monzonite, granodiorite, trondjemite, quartz diorite, granite, quartz and feldspar porphyries (rock units may be massive, foliated, equigranular, or gneissic)
  - 7 AGY 02 Equigranular and porphyritic monzonite, syenodiorite, syenite, diorite and quartz diorite
  - 6 AUB 02 Gabbro, norite, diorite, anorthosite, anorthositic gabbro, peridotite, pyroxenite
  - 5 AIF 02 Chemical metasediments, ironstone, magnetite and pyrite ironstone, chert
  - 4 ACSP 02 Clastic metasediments, pebble and boulder conglomerate, sandstone, siltstone, argillite and derived schists, migmatite, metatextite
  - 3 AMVA 02 Alkalic mafic metavolcanic flows
  - 2 AMVF 02 Felsic to intermediate metavolcanics; flows, tuff, agglomerate, breccia and migmatite
  - 1 AMVB 02 Mafic metavolcanics; massive and pillowed flows, tuff, agglomerate and breccia, amphibolite, amphibolite gneiss and migmatite

This geology legend is common for both GSC Open Files 1957 and 1958  
\* Map unit number assigned to rock type  
\*\* A mnemonic code assigned to rock type and age recorded as part of field observations

- 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:  
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

**SYMBOLS**

- Geological boundary .....
- Fault .....
- No data .....
- Field duplicate site .....

Source of information:  
Ontario Geological Survey (1979) Kenora - Fort Frances Geological Compilation Series, Map 2443, Scale 1: 253,440

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

**CONTRACTORS**

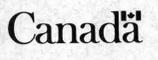
- Collection: SIAL Geophysique Inc., Montreal
- Preparation: Golder Associates, Ottawa
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Contribution to Canada-Ontario 1985 Mineral Development Agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

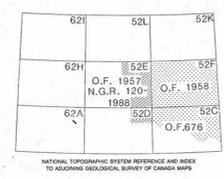
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**SAMPLE LOCATION  
LAKE SEDIMENTS**  
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REGIONAL GEOCHEMICAL RECONNAISSANCE MAP 120-88  
CANADA - ONTARIO  
MINERAL DEVELOPMENT AGREEMENT (1985-1990)  
LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY  
NORTHWEST ONTARIO, 1988

Scale 1:250 000 - Échelle 1/250 000  
Kilometers 5 10 15 20 Kilomètres  
Universal Transverse Mercator Projection  
Projection transverse universelle de Mercator  
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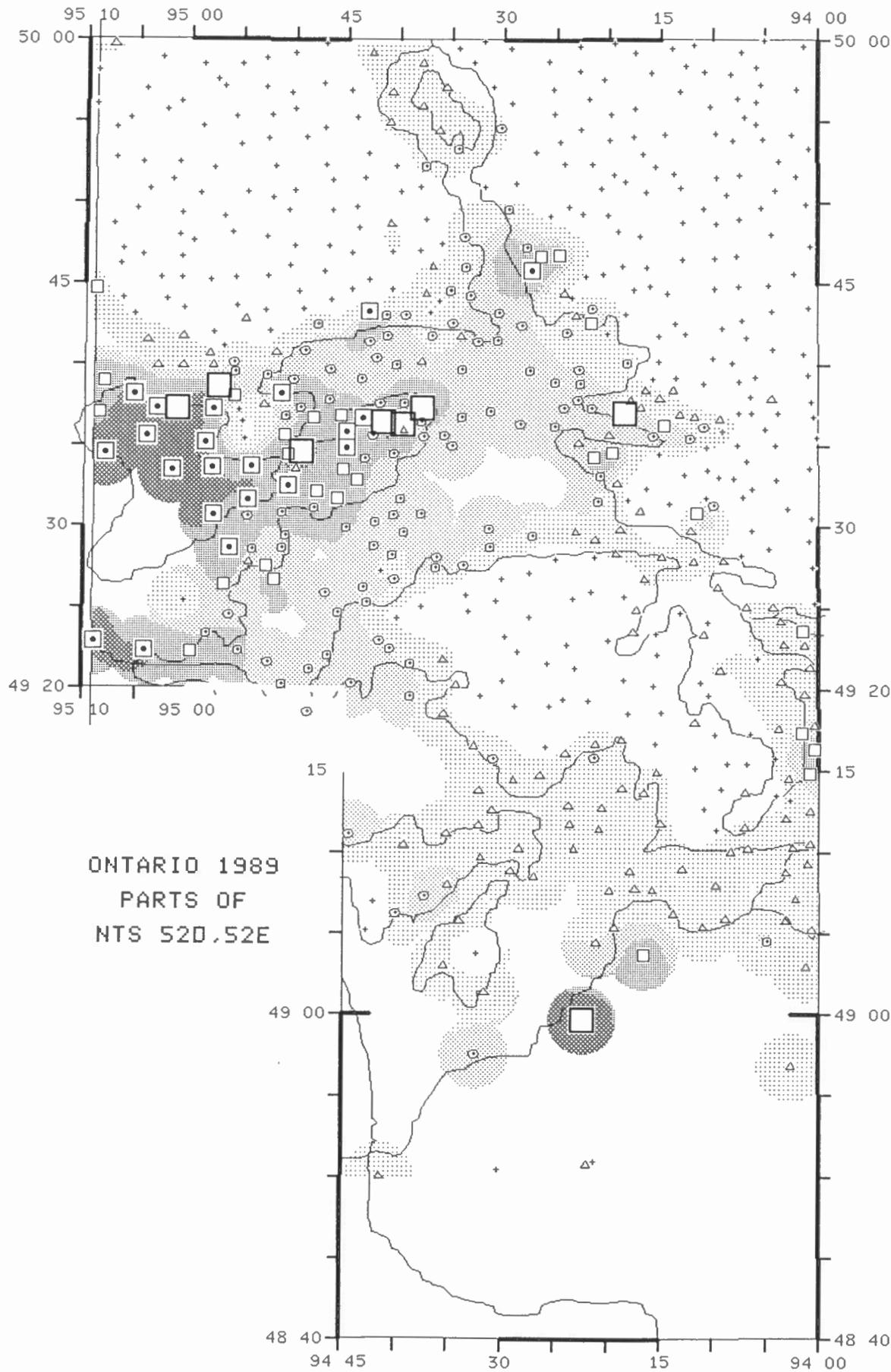
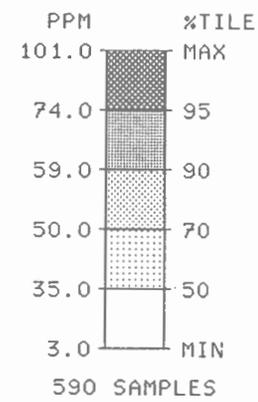


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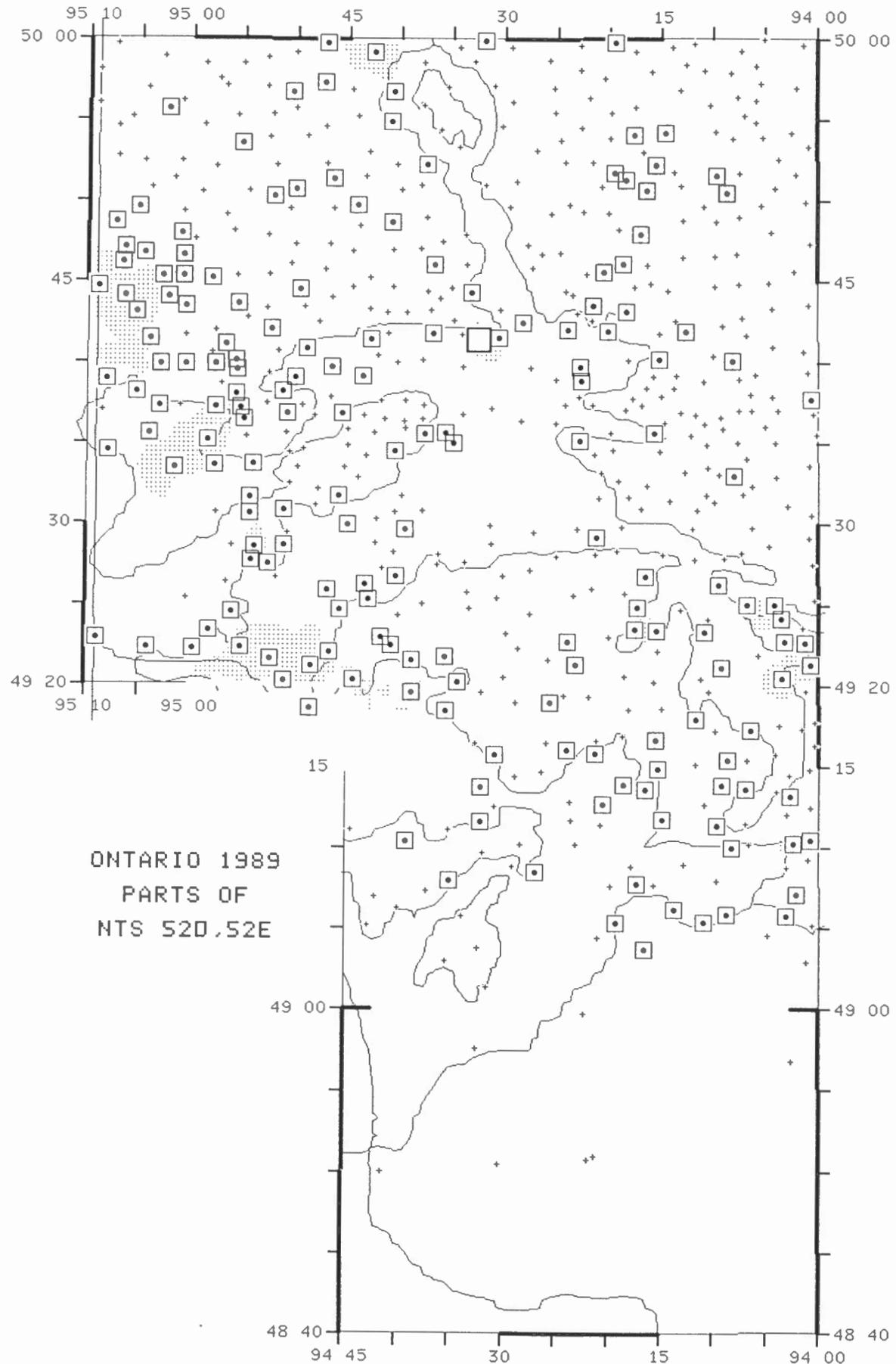
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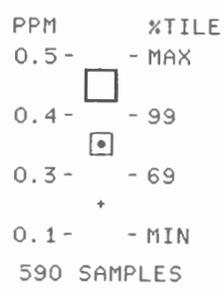
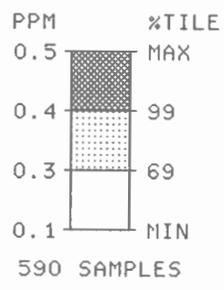


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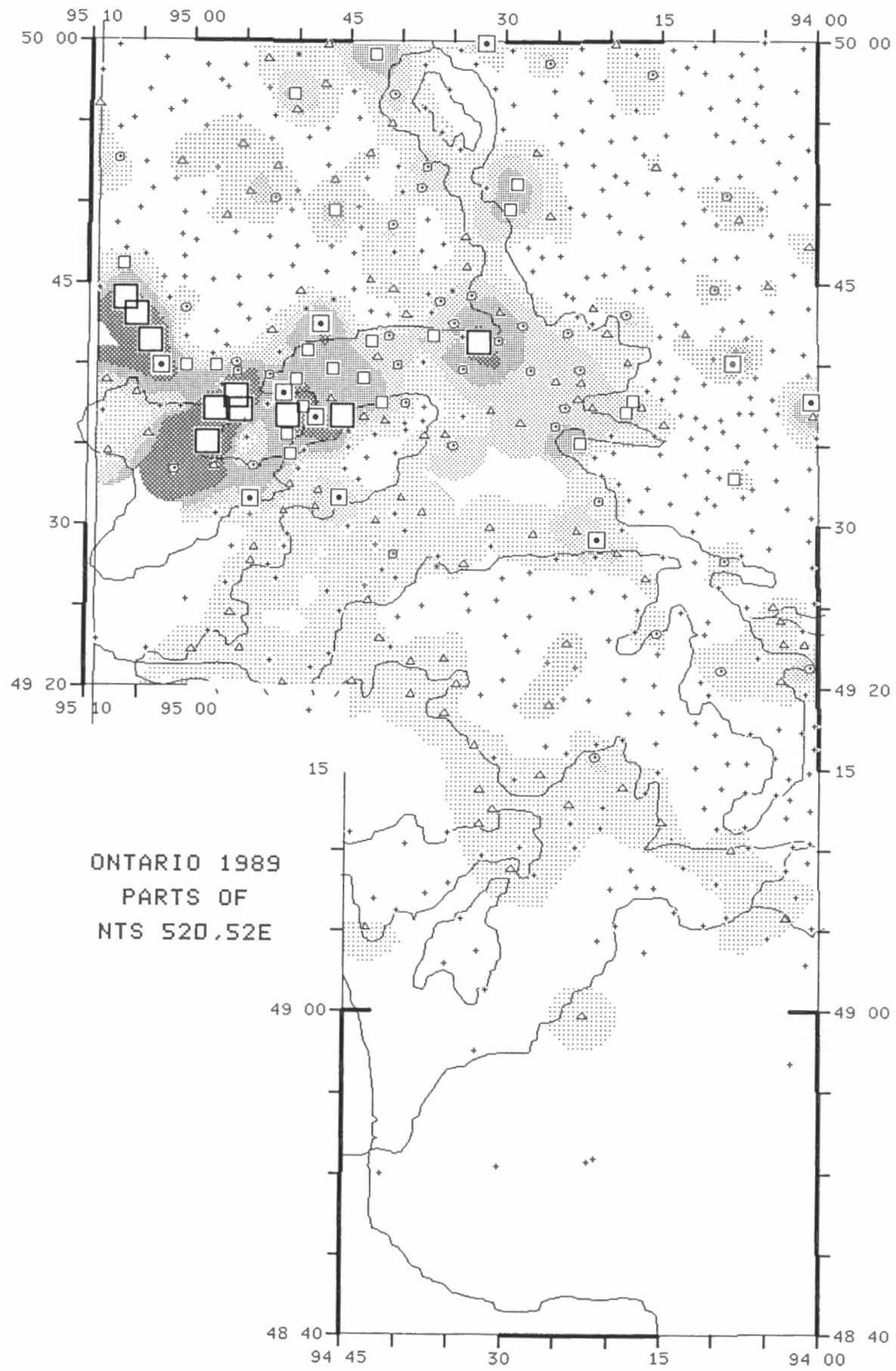


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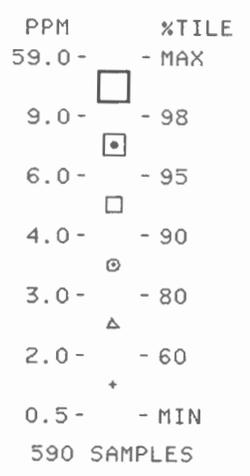
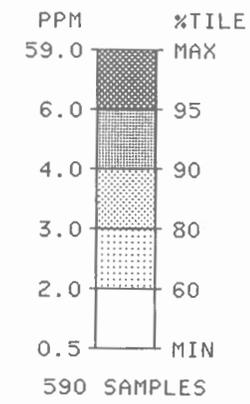


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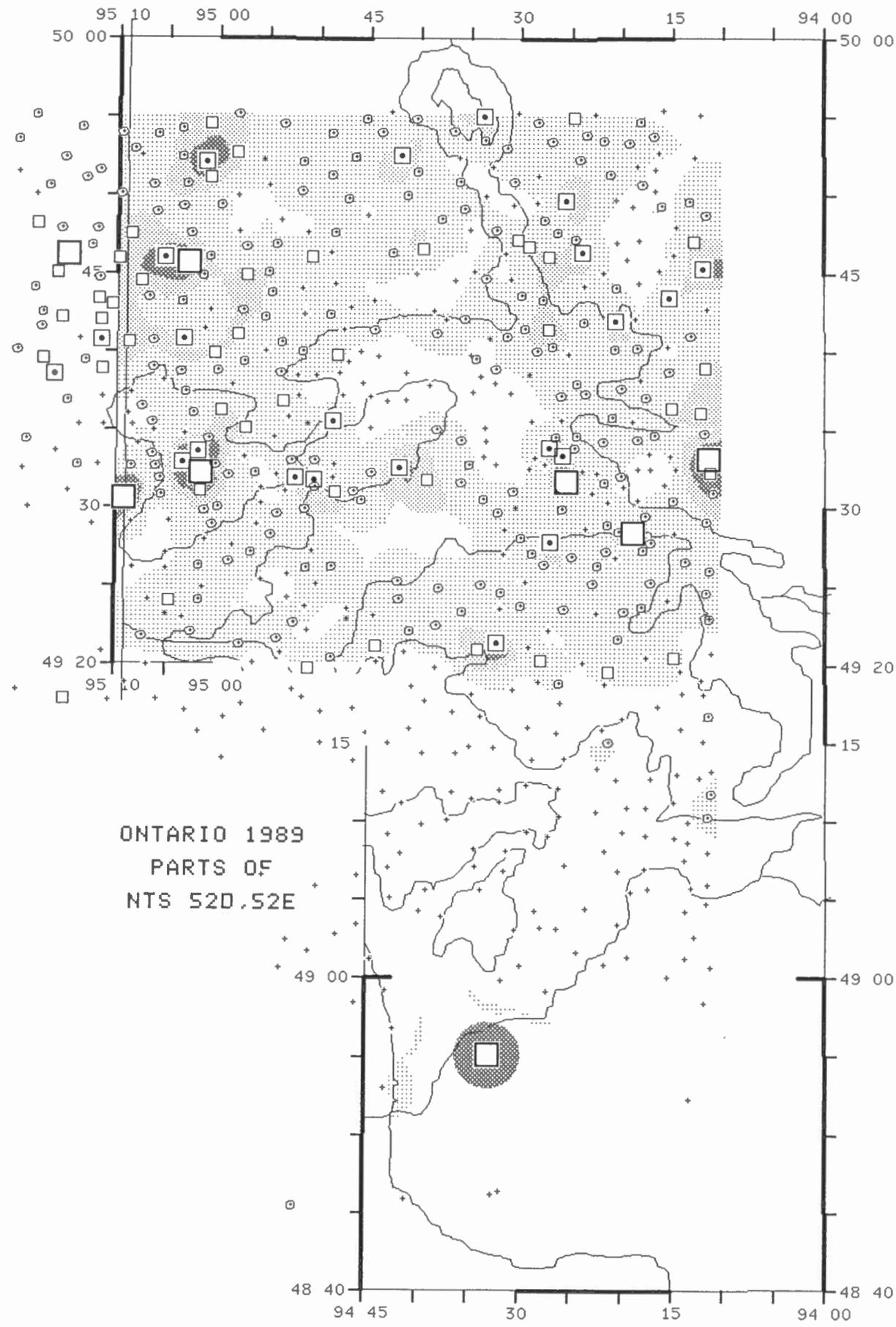


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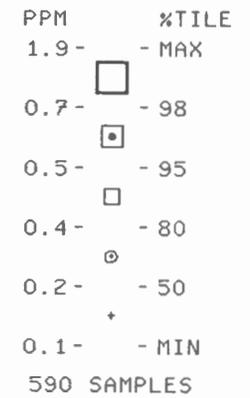
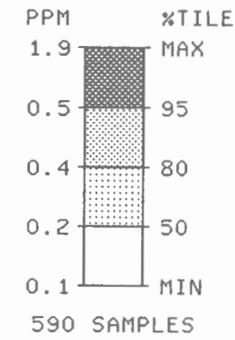


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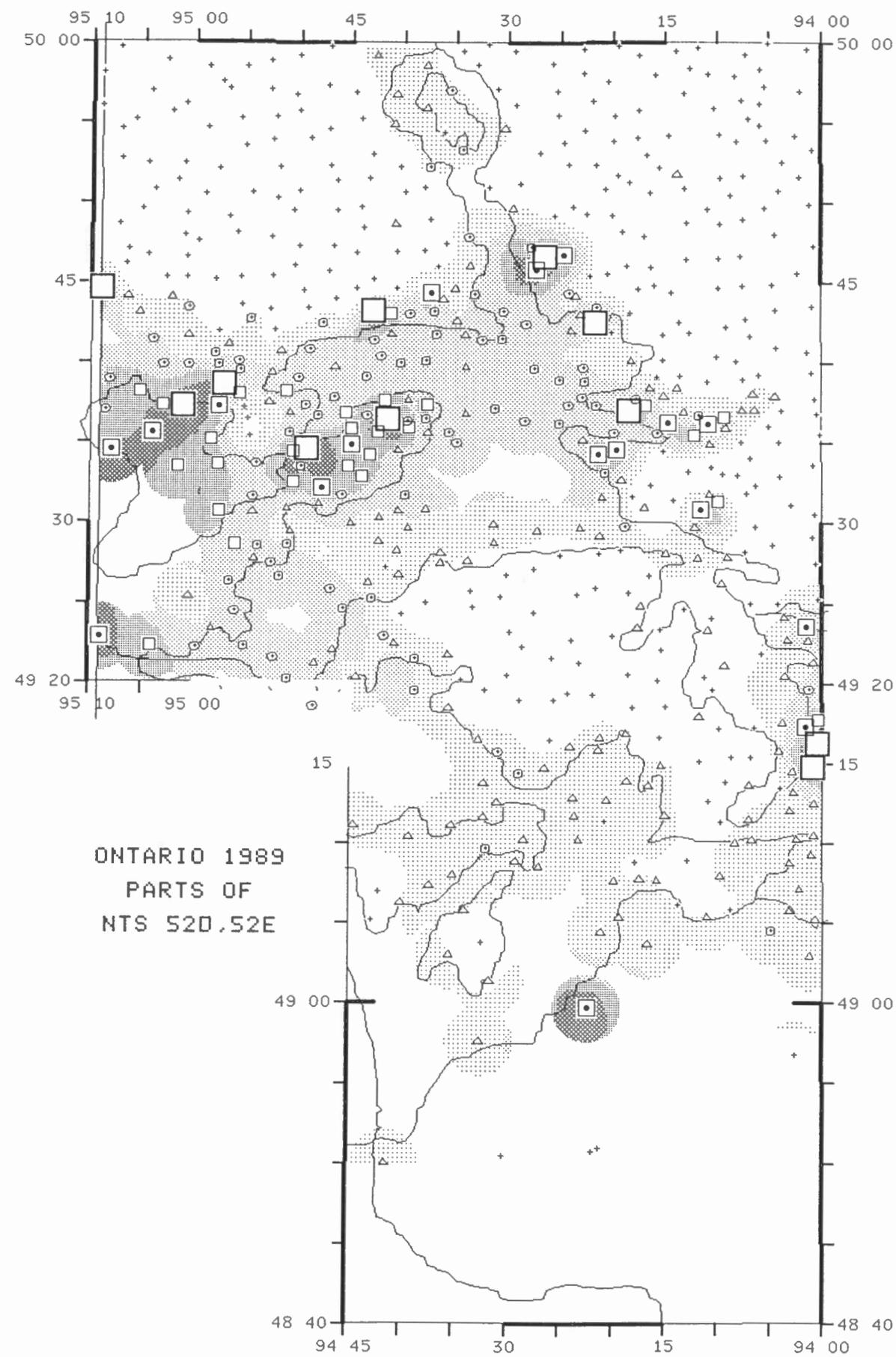


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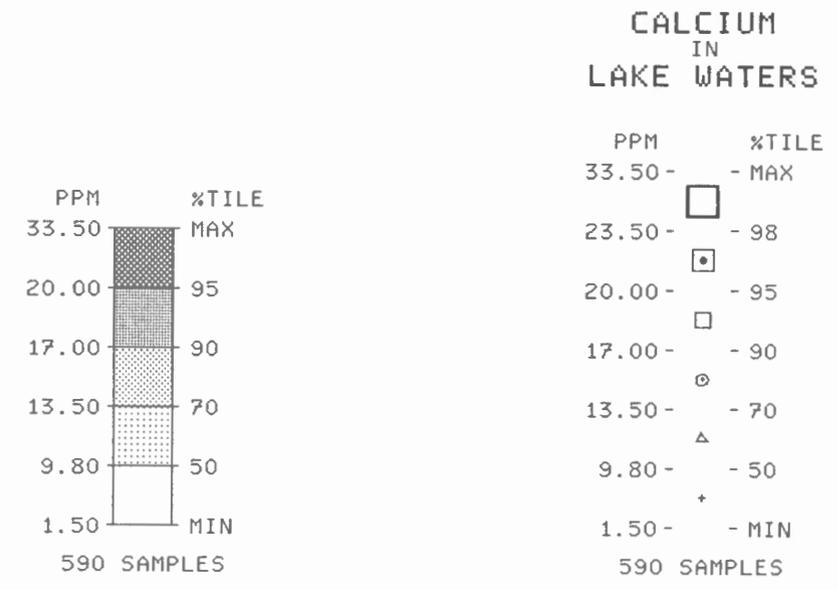
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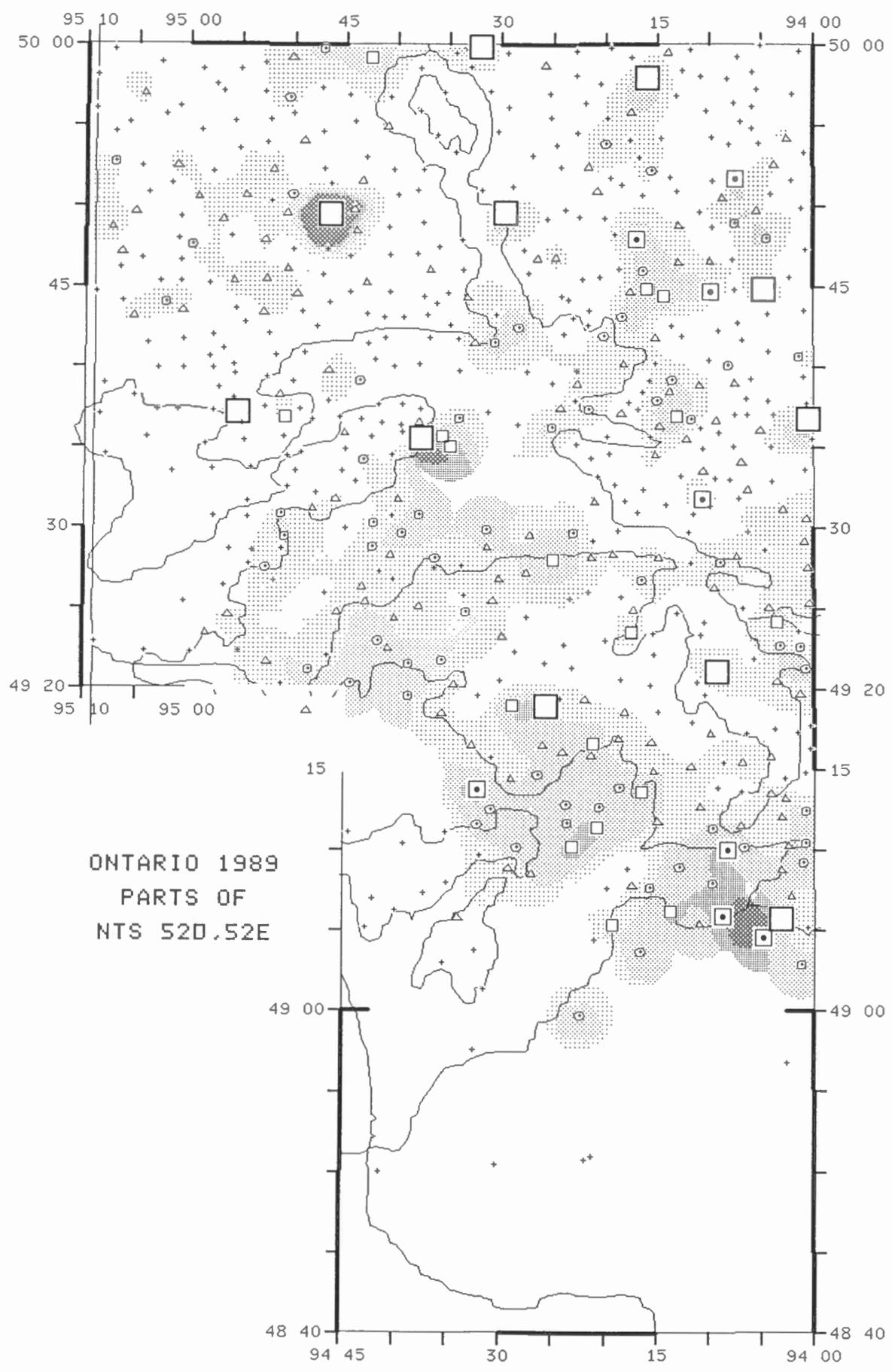


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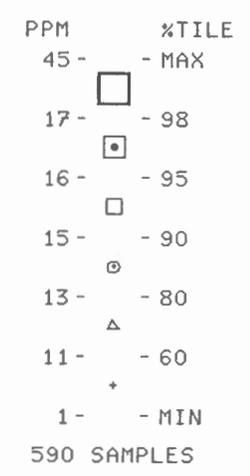
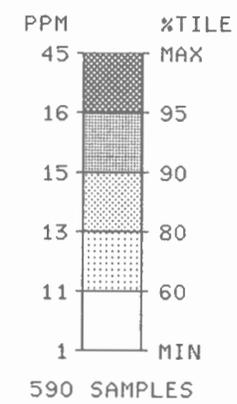


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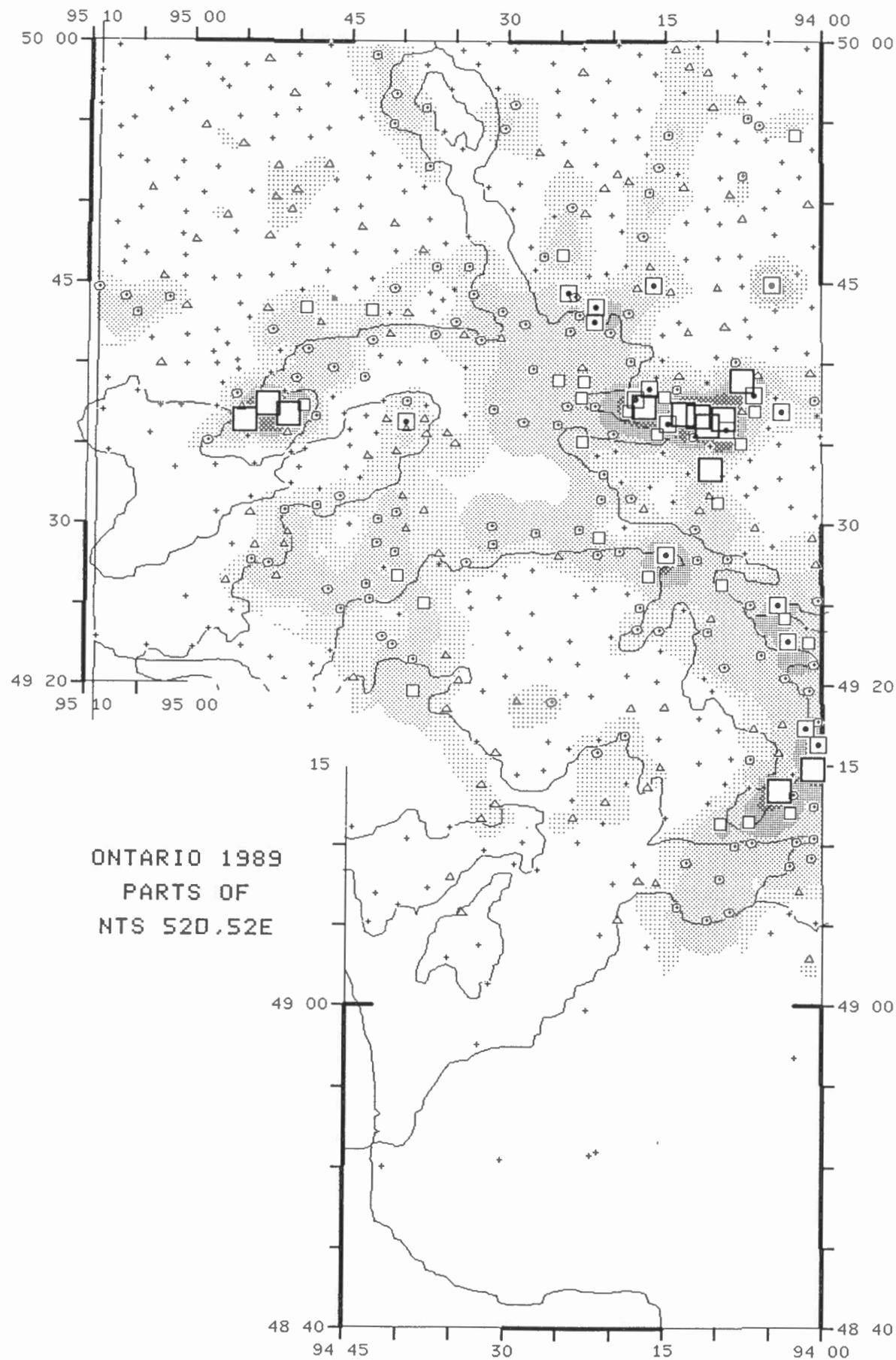


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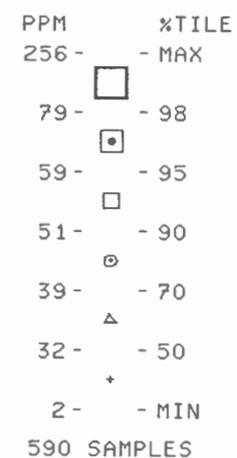
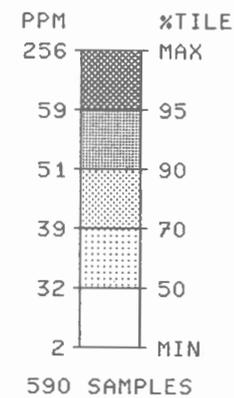


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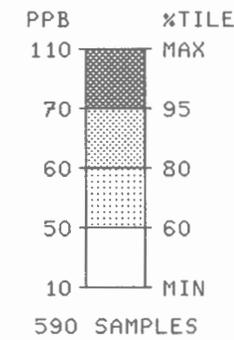
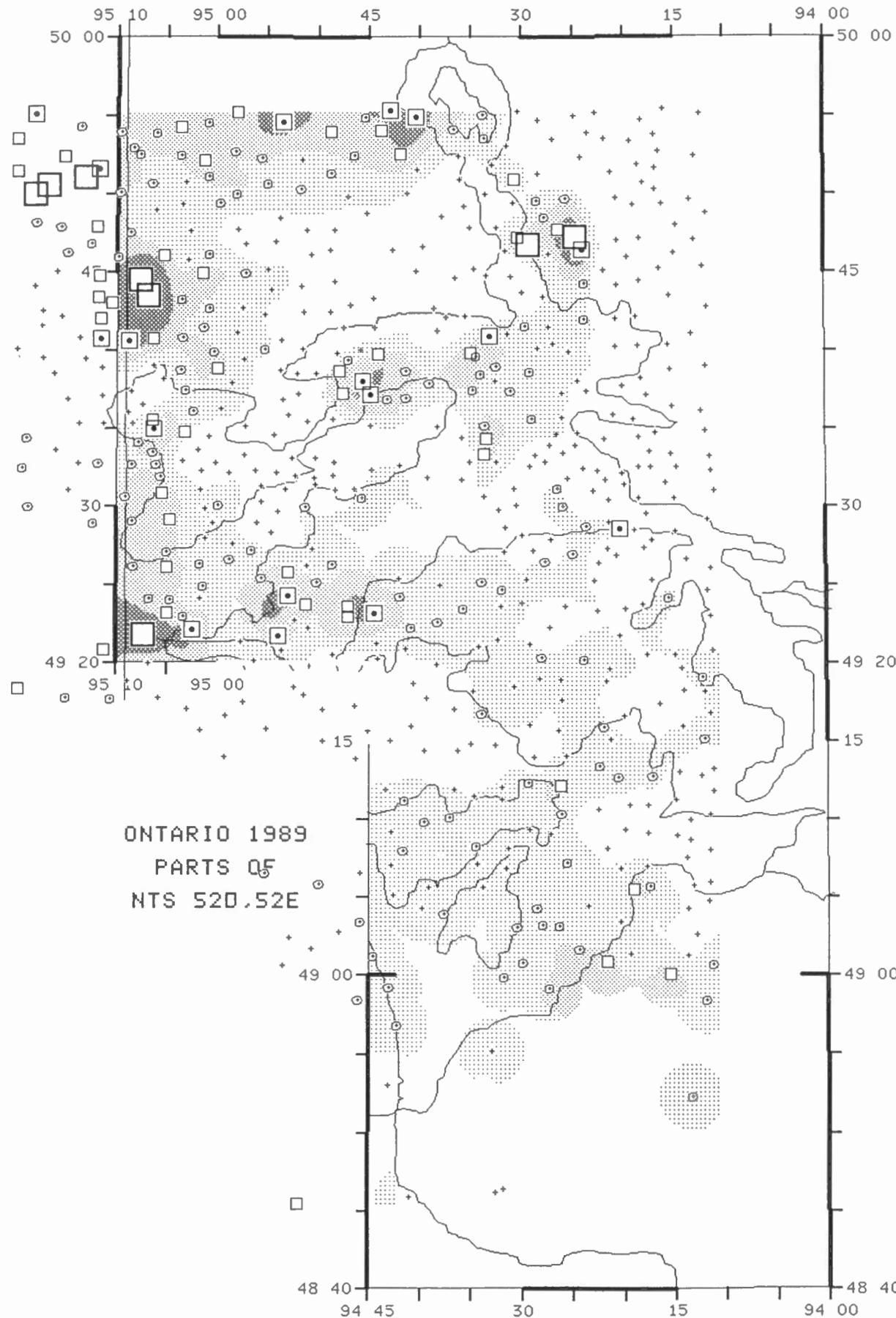
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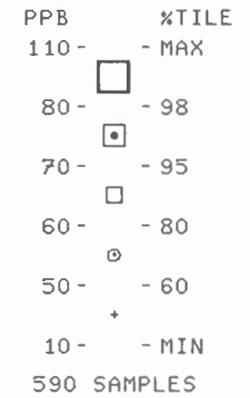
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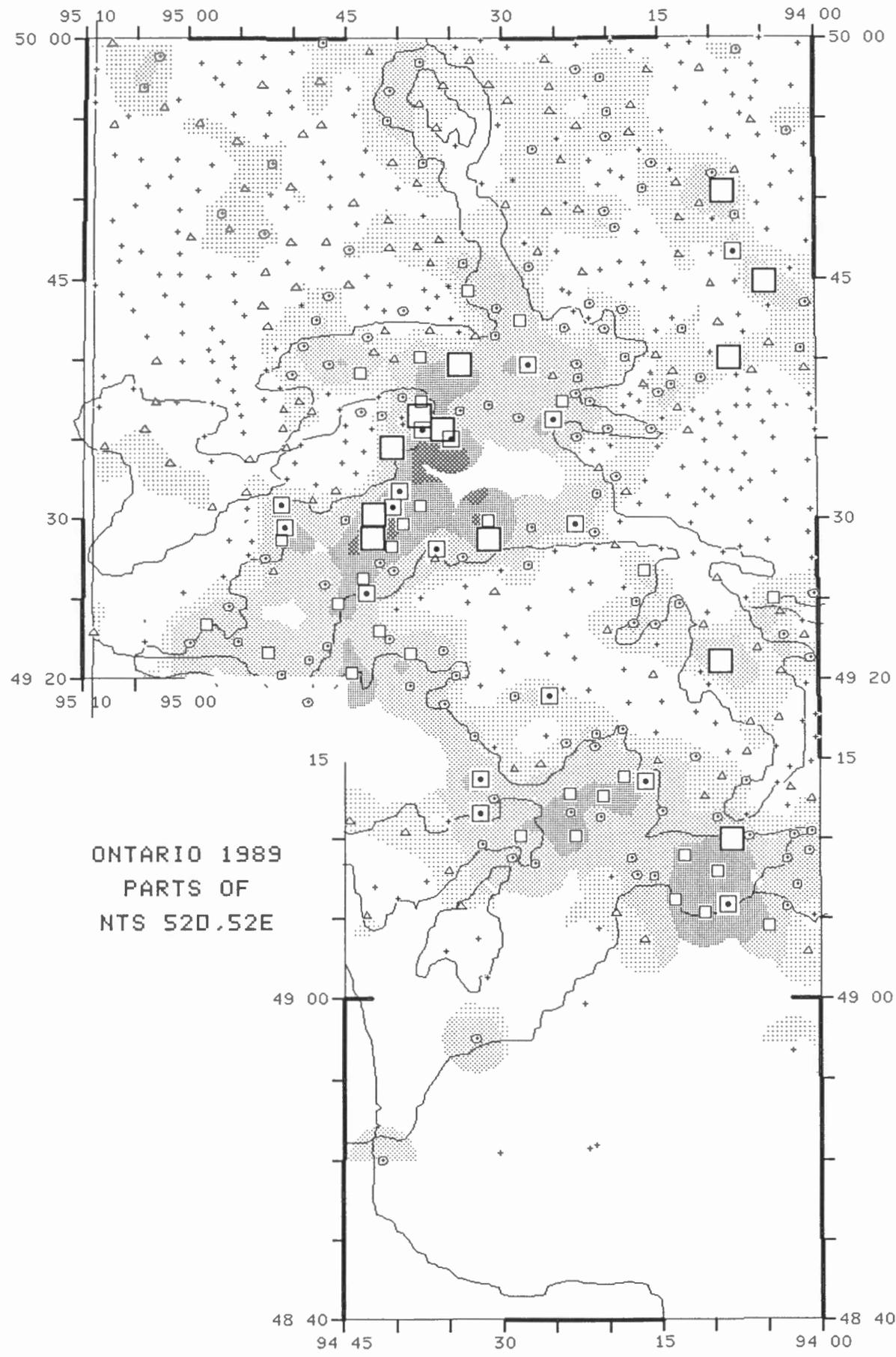
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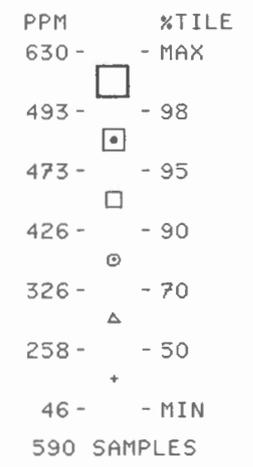
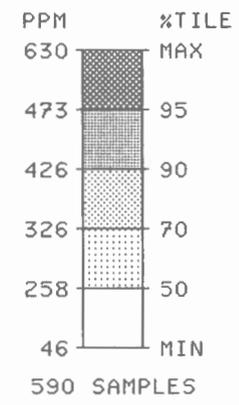


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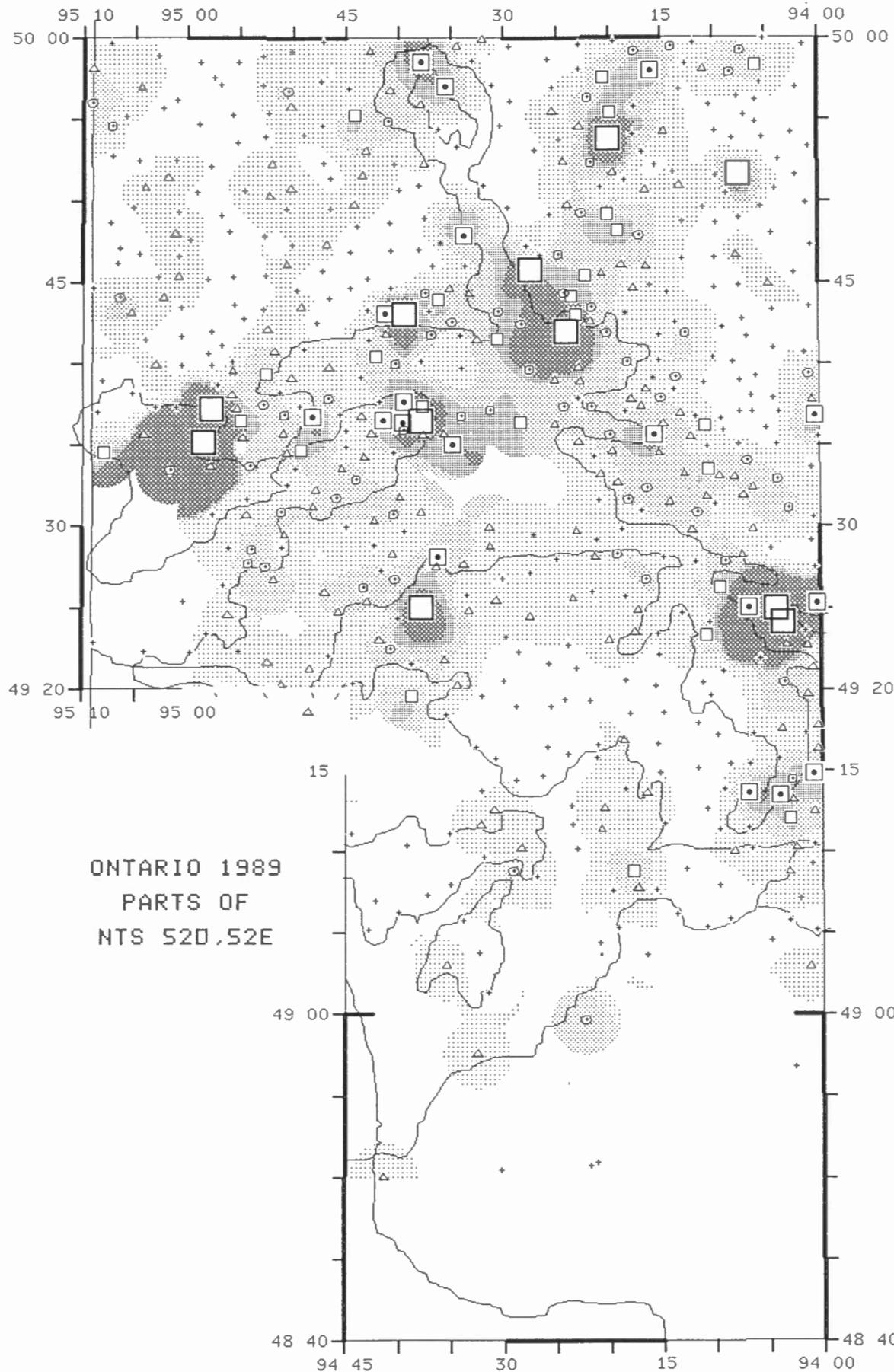


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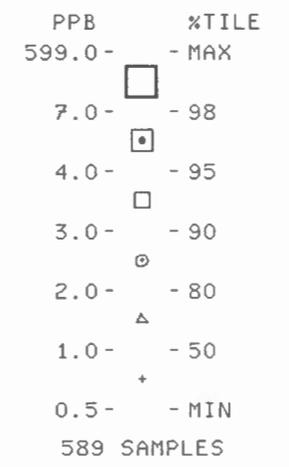
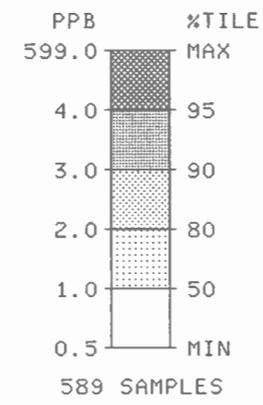
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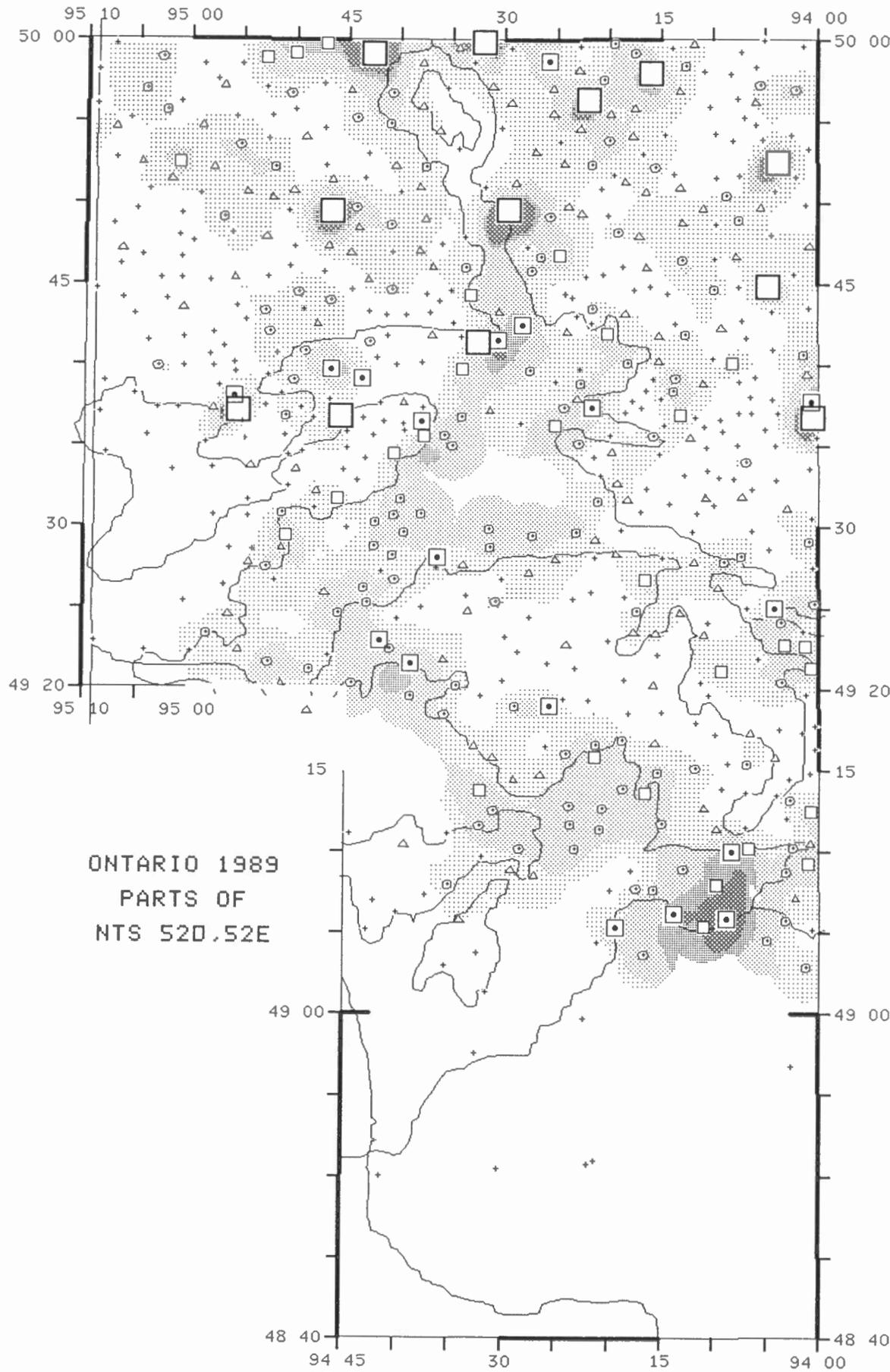
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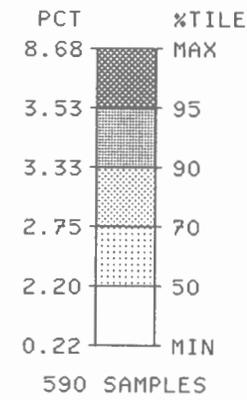
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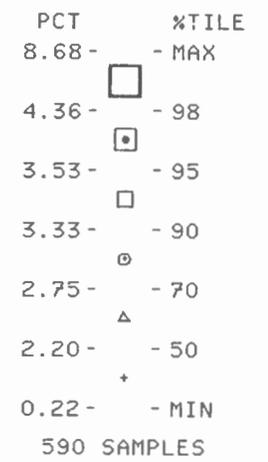
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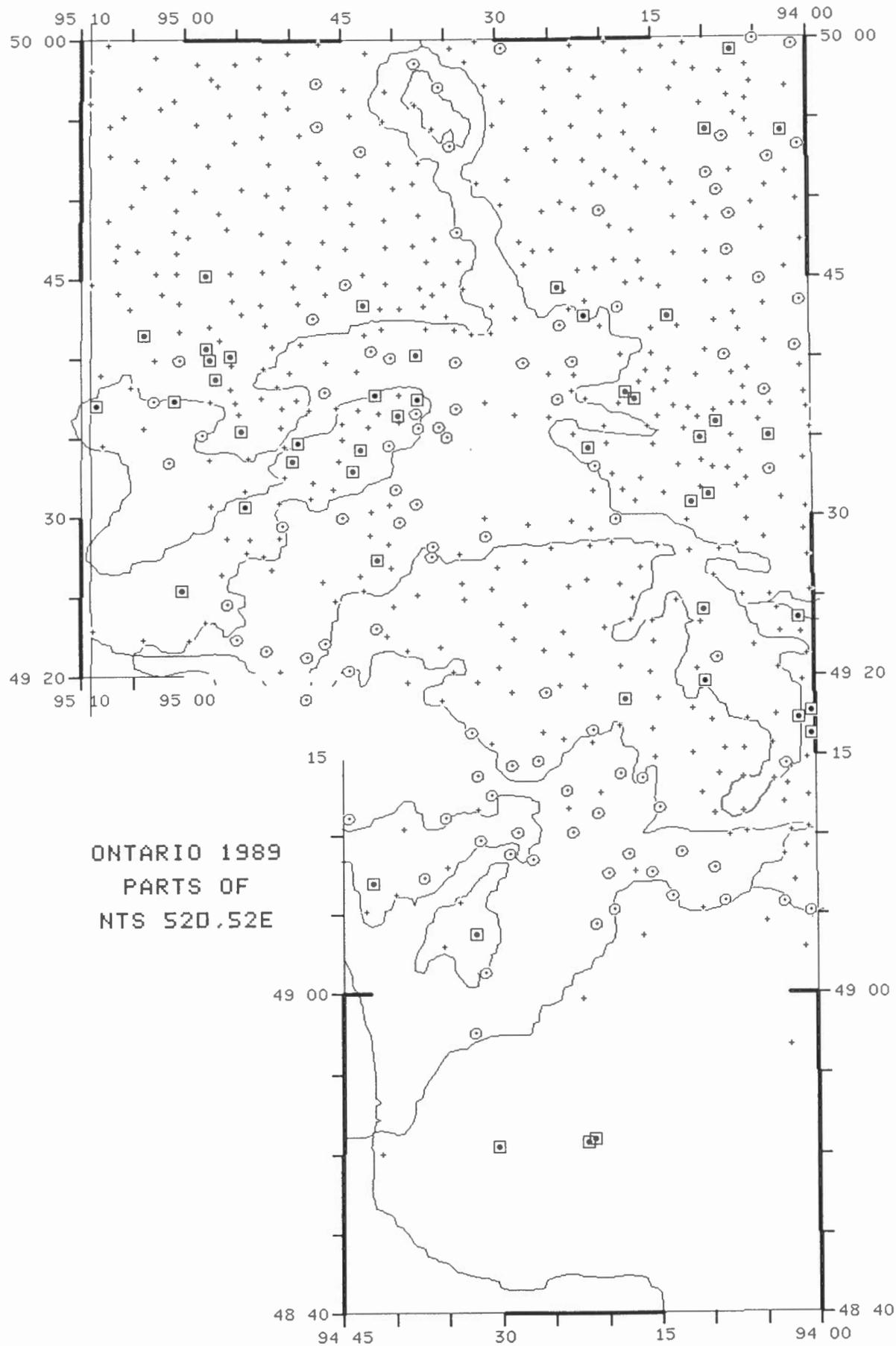


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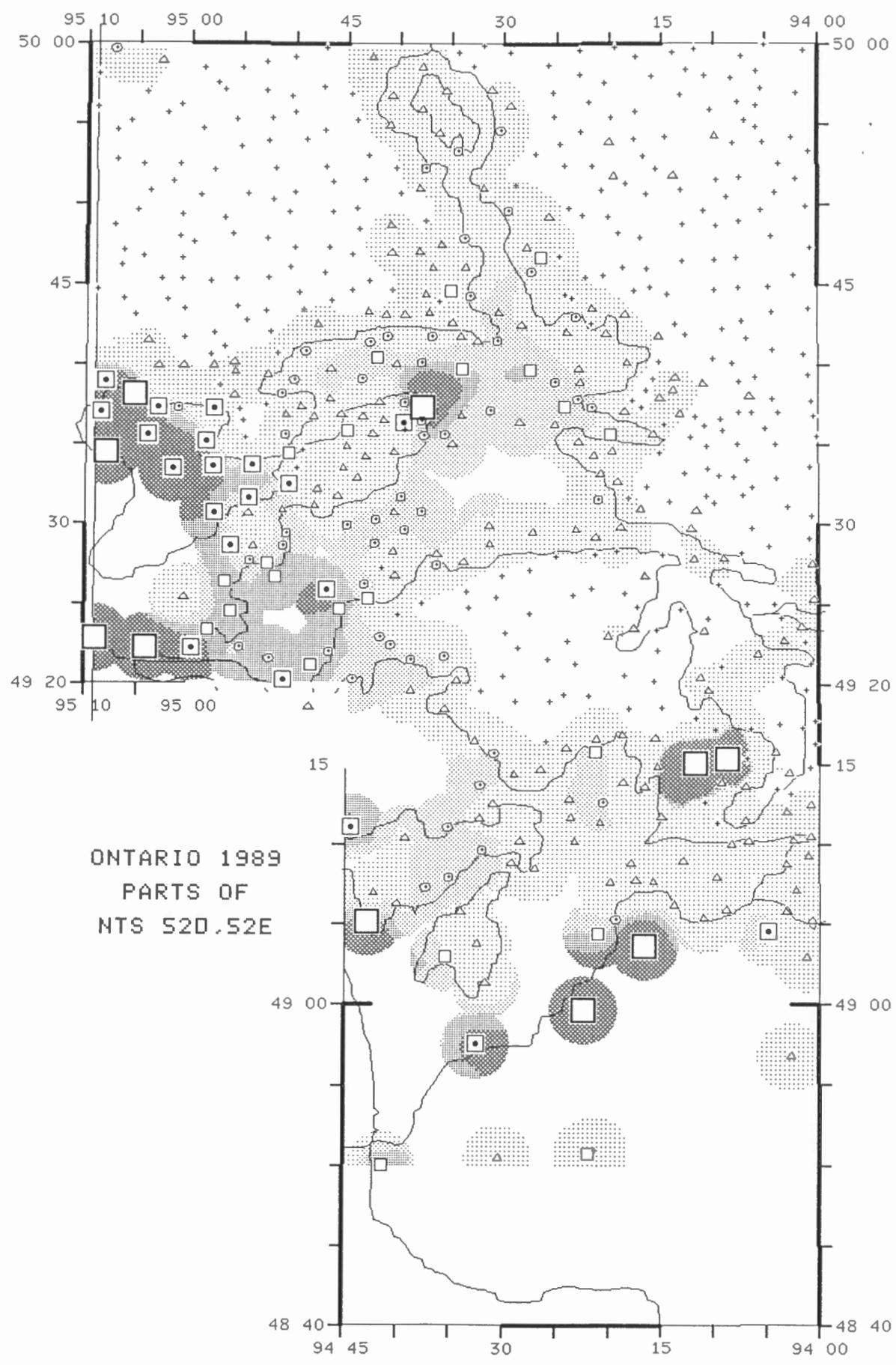




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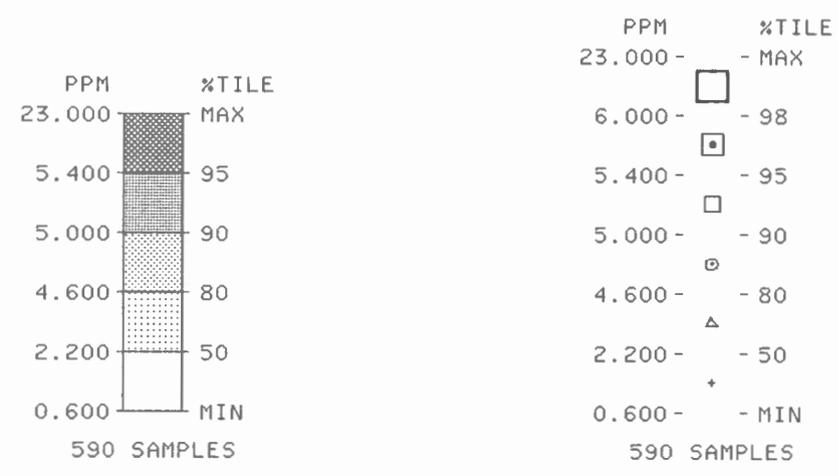


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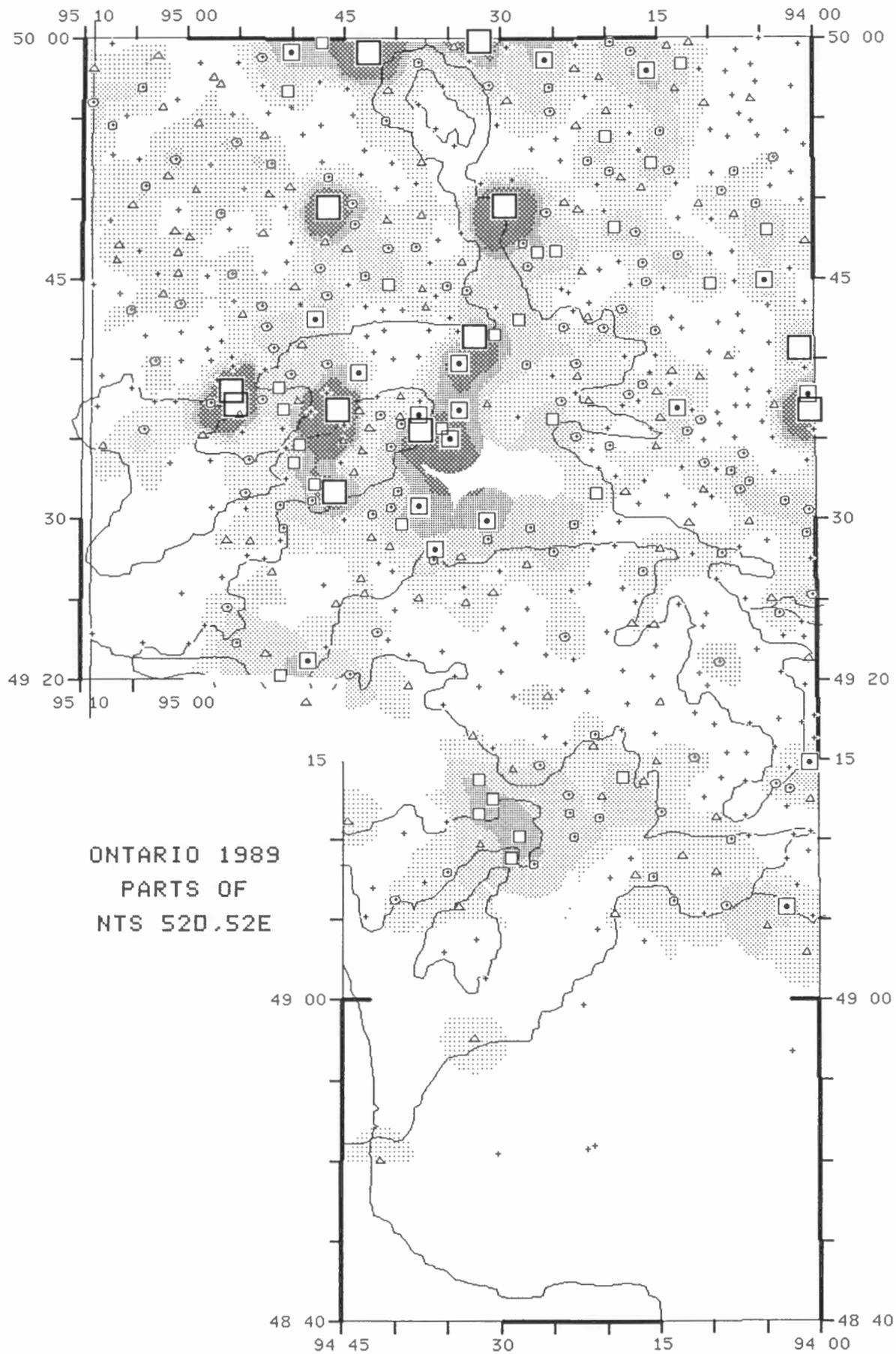


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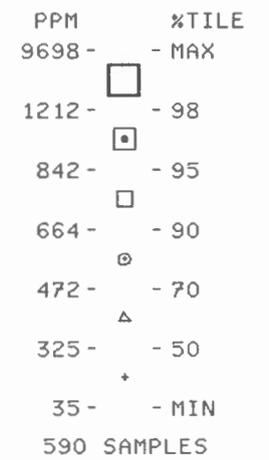
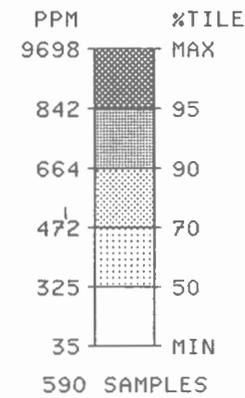
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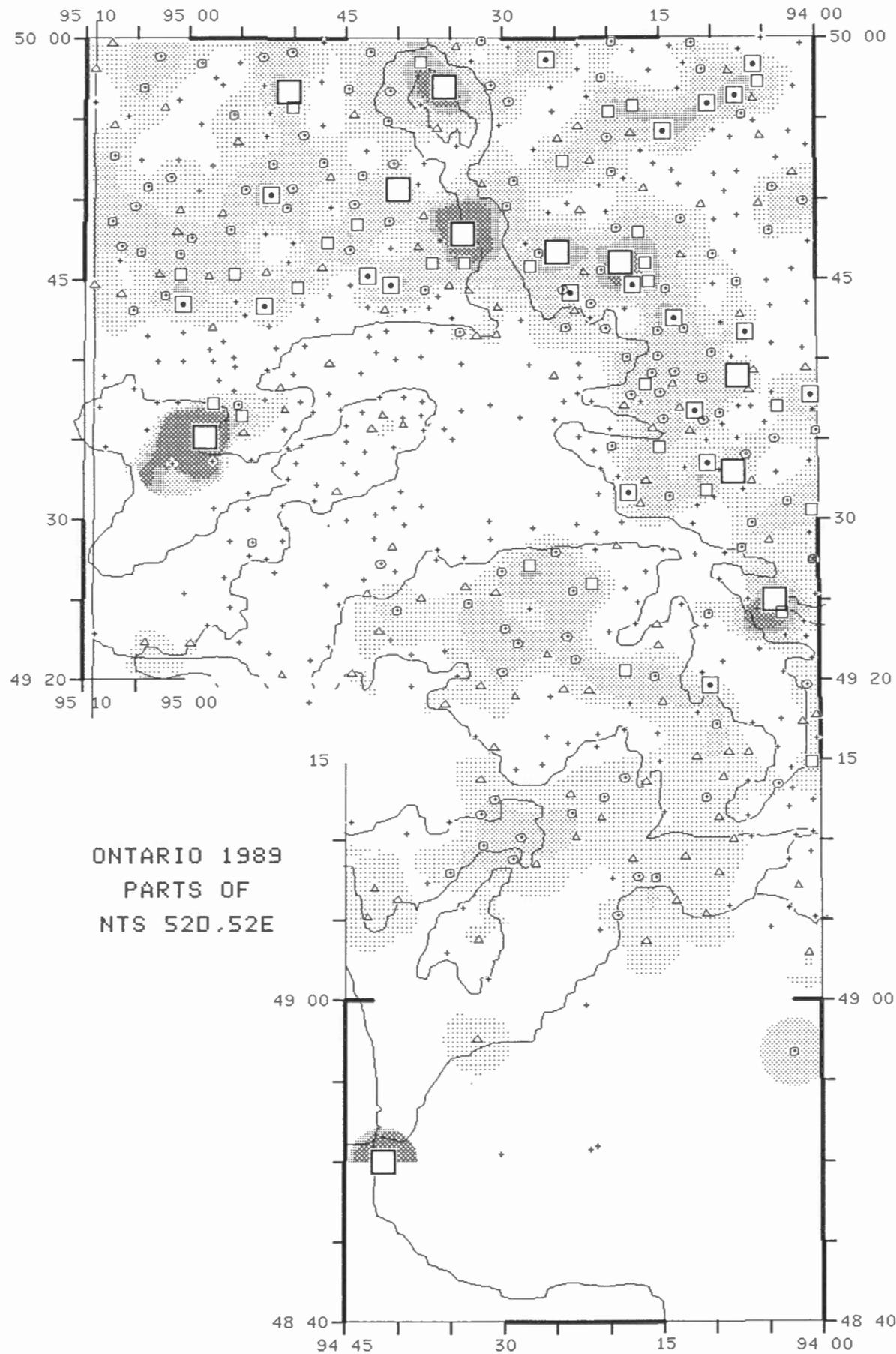
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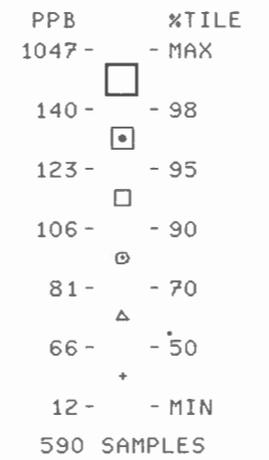
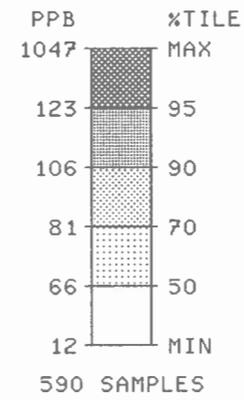
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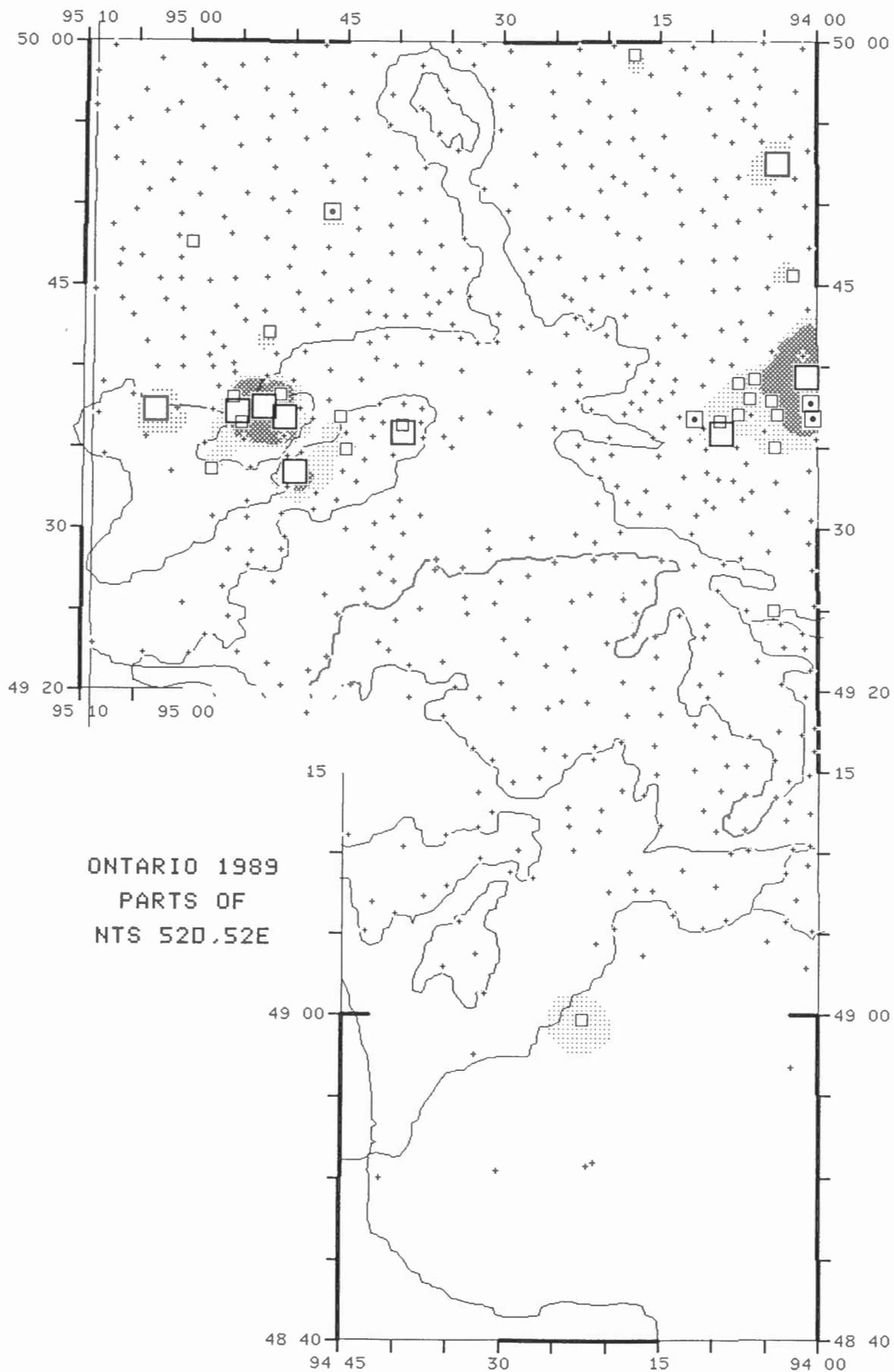
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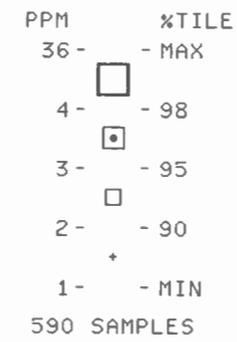
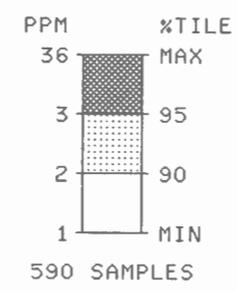


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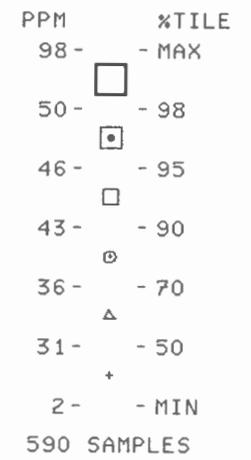
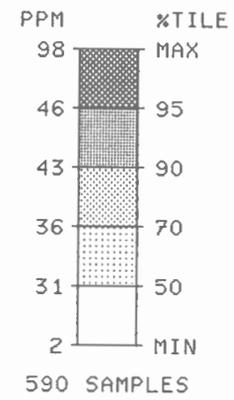
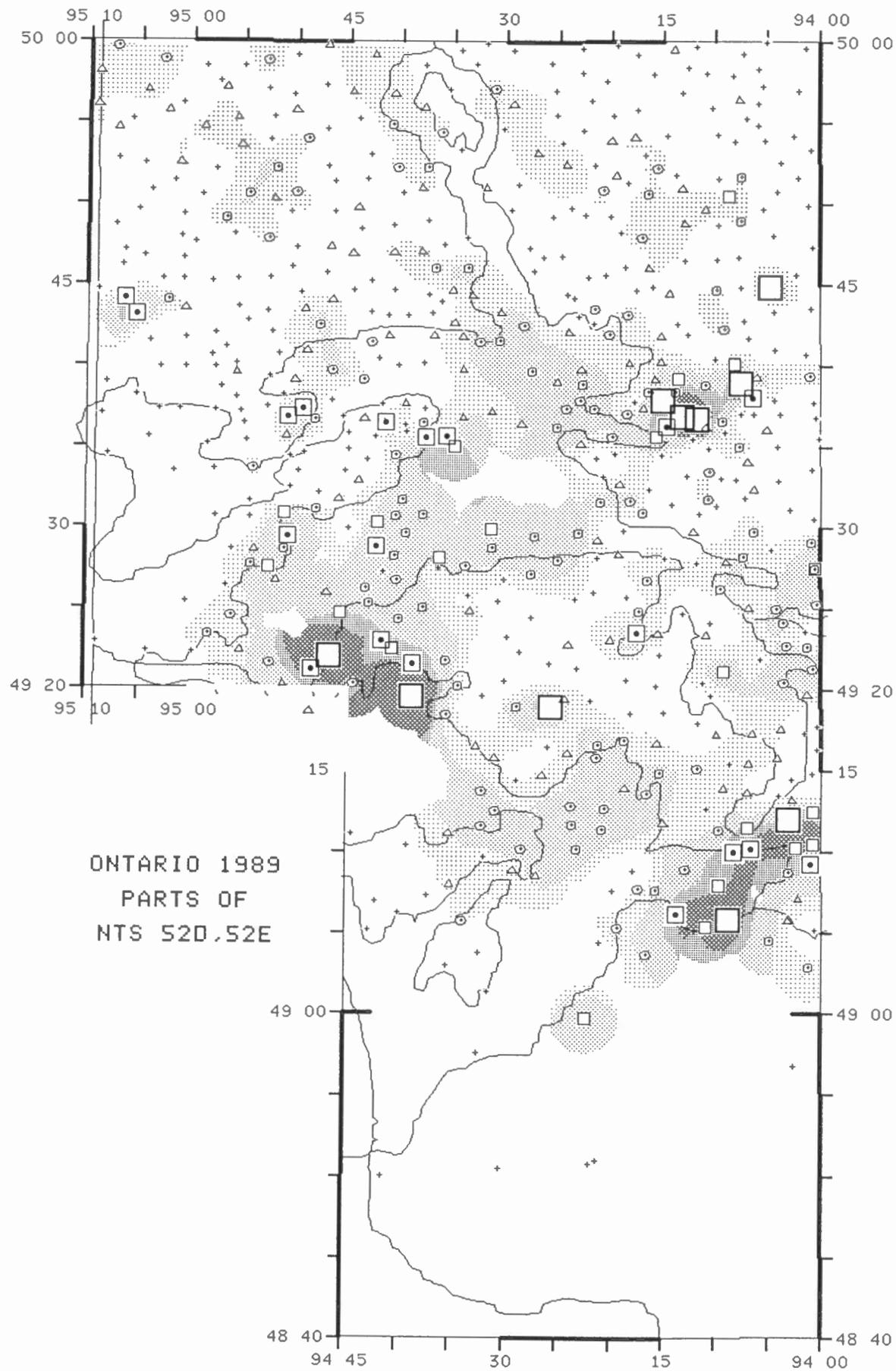
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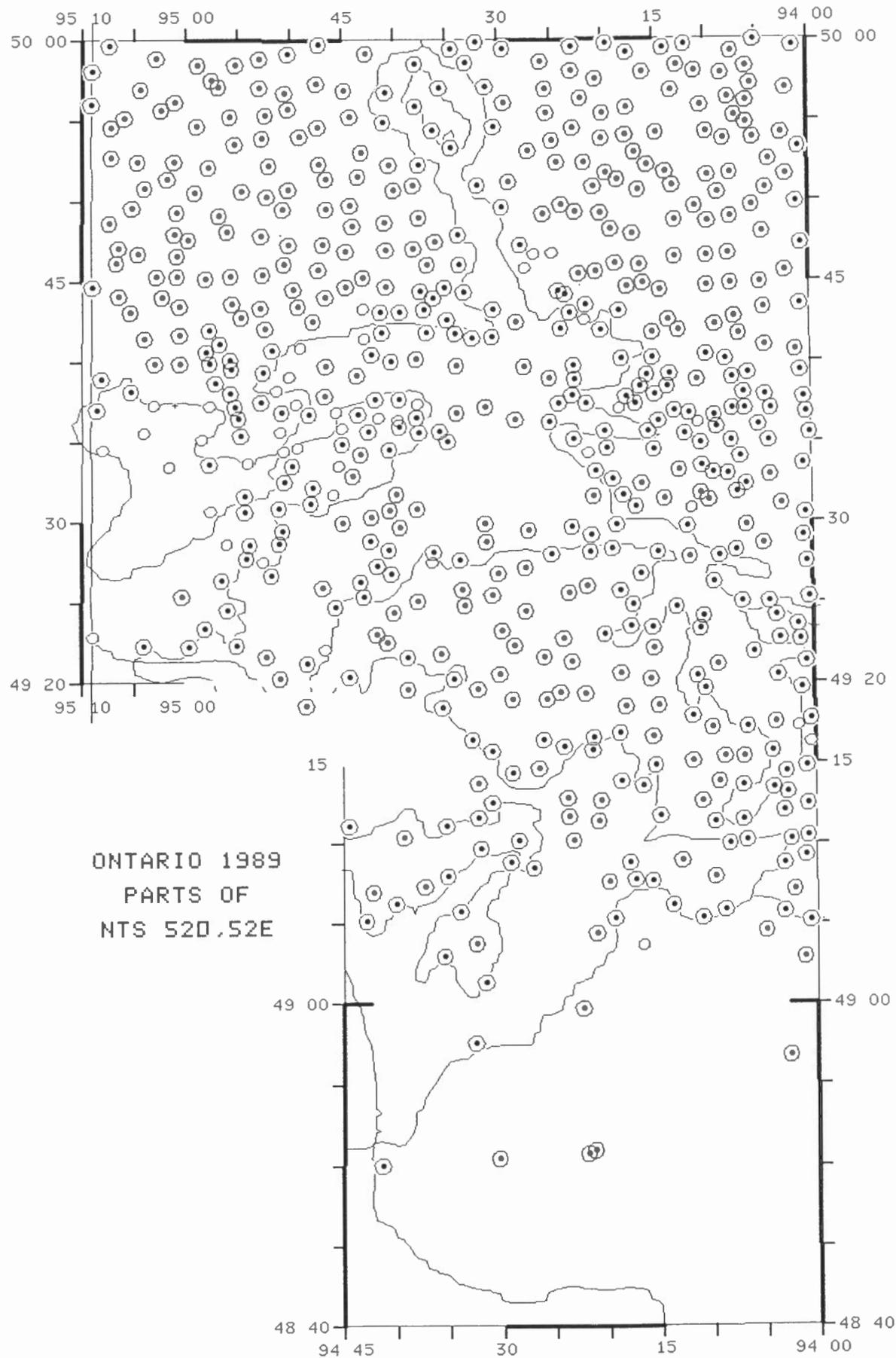


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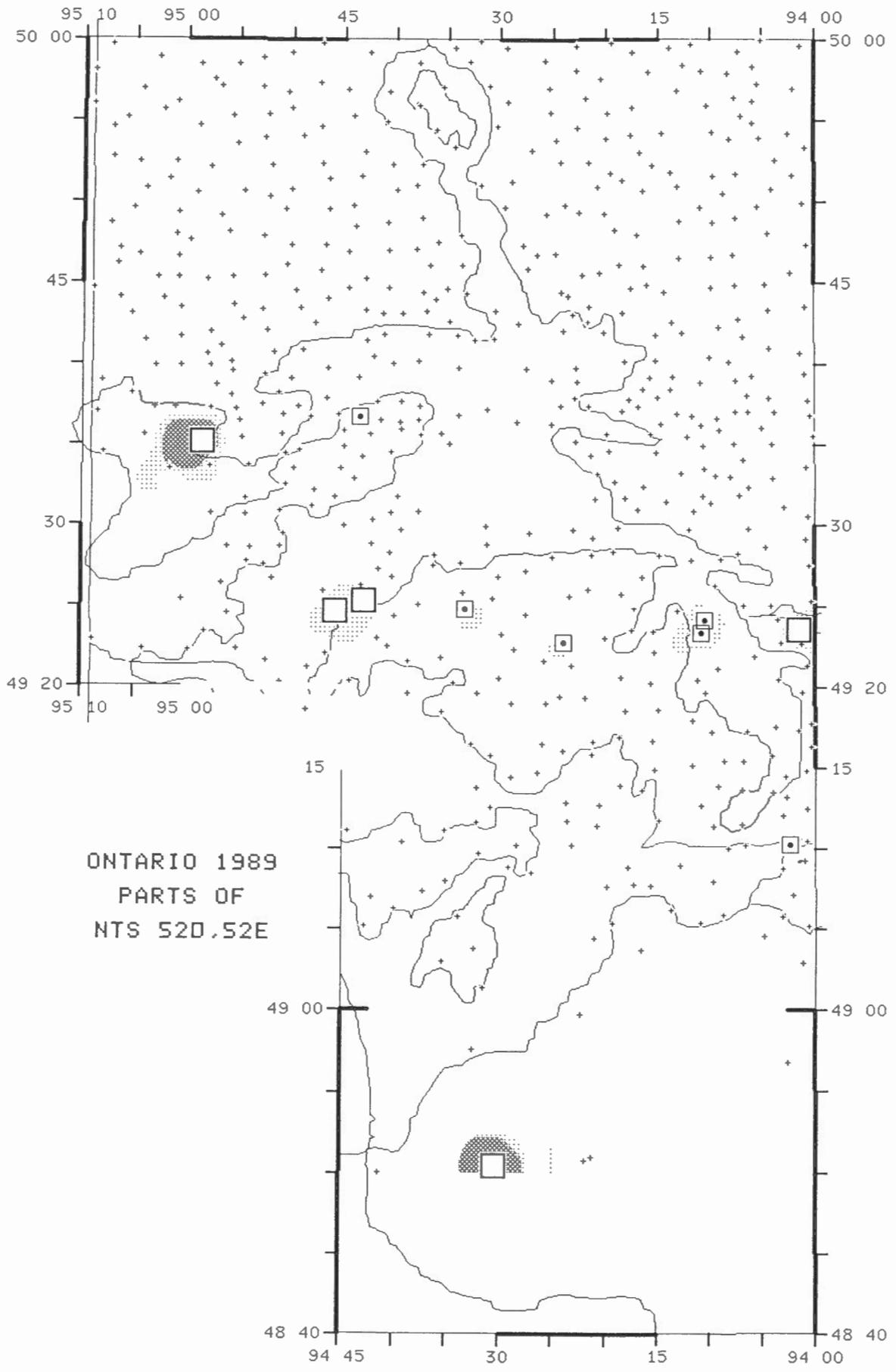
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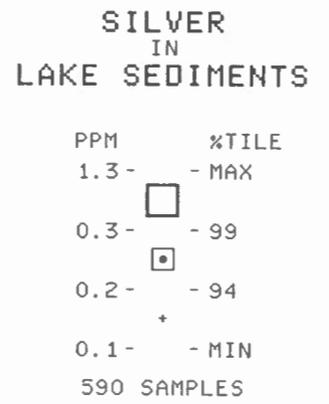
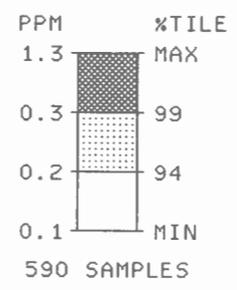
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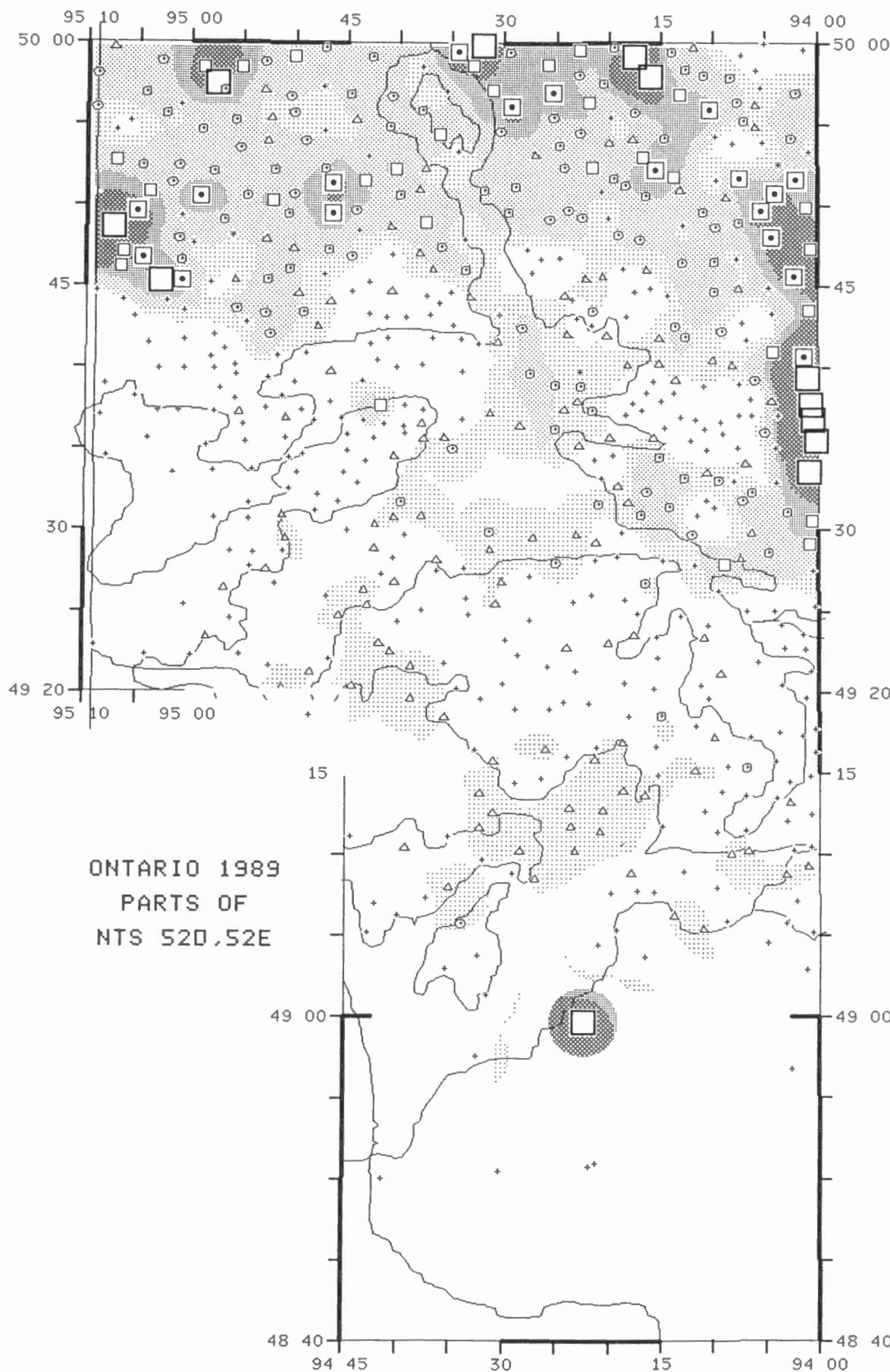
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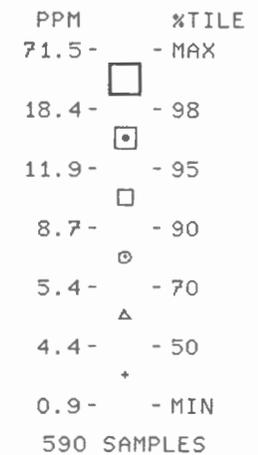
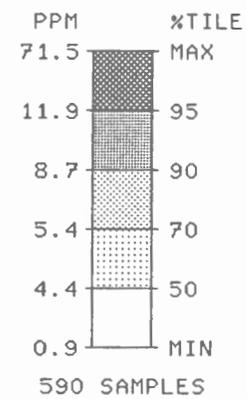
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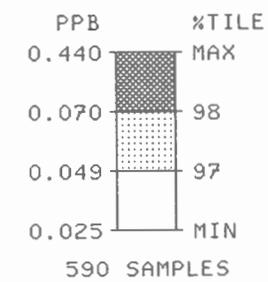
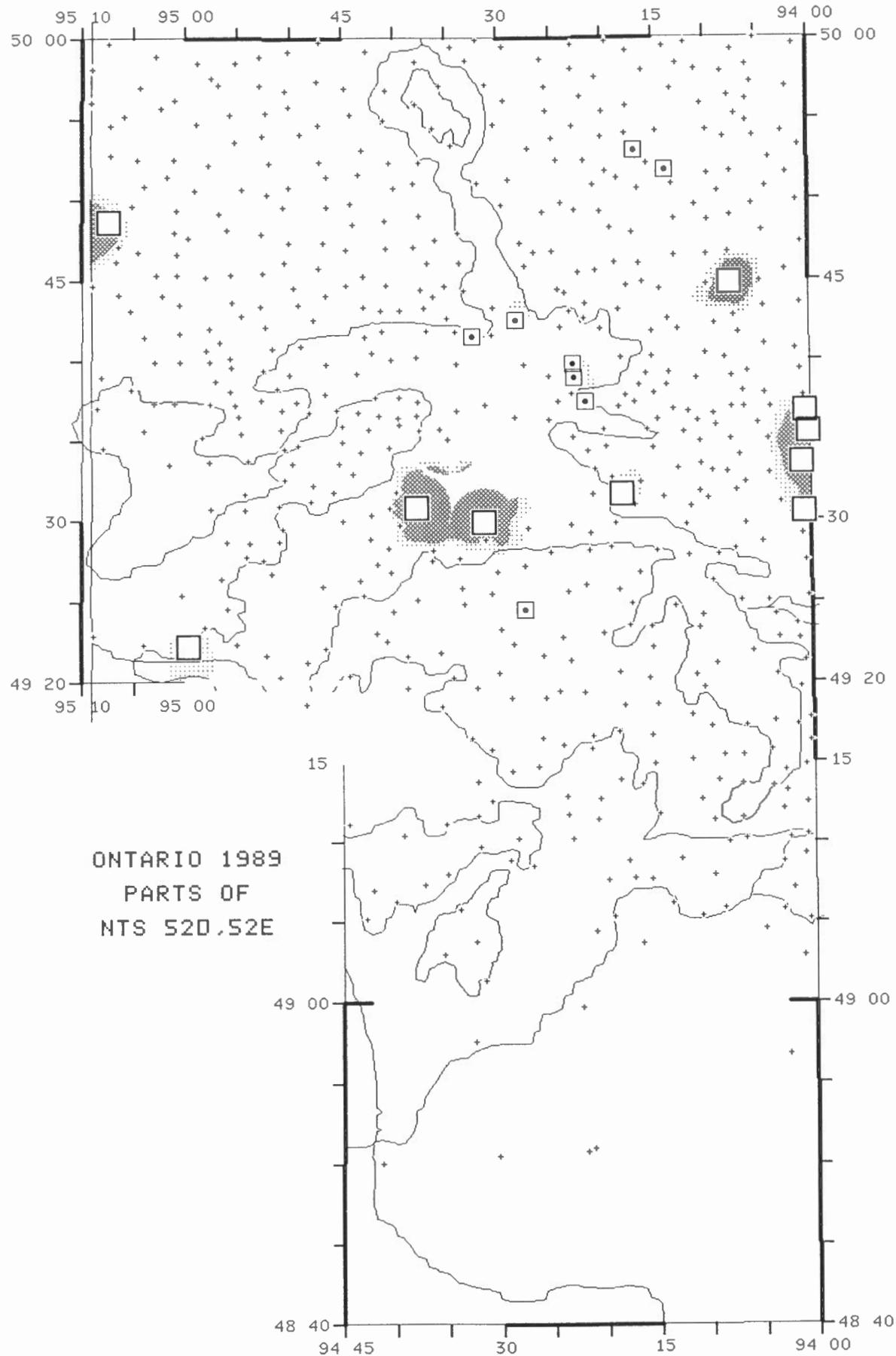
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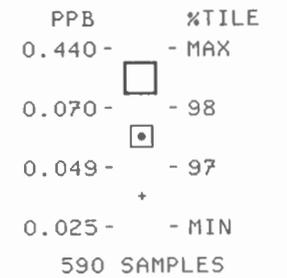
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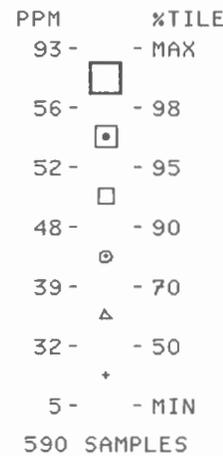
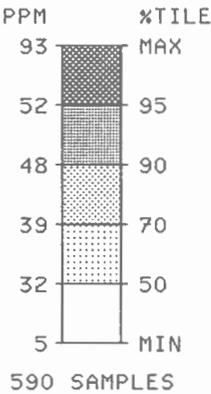
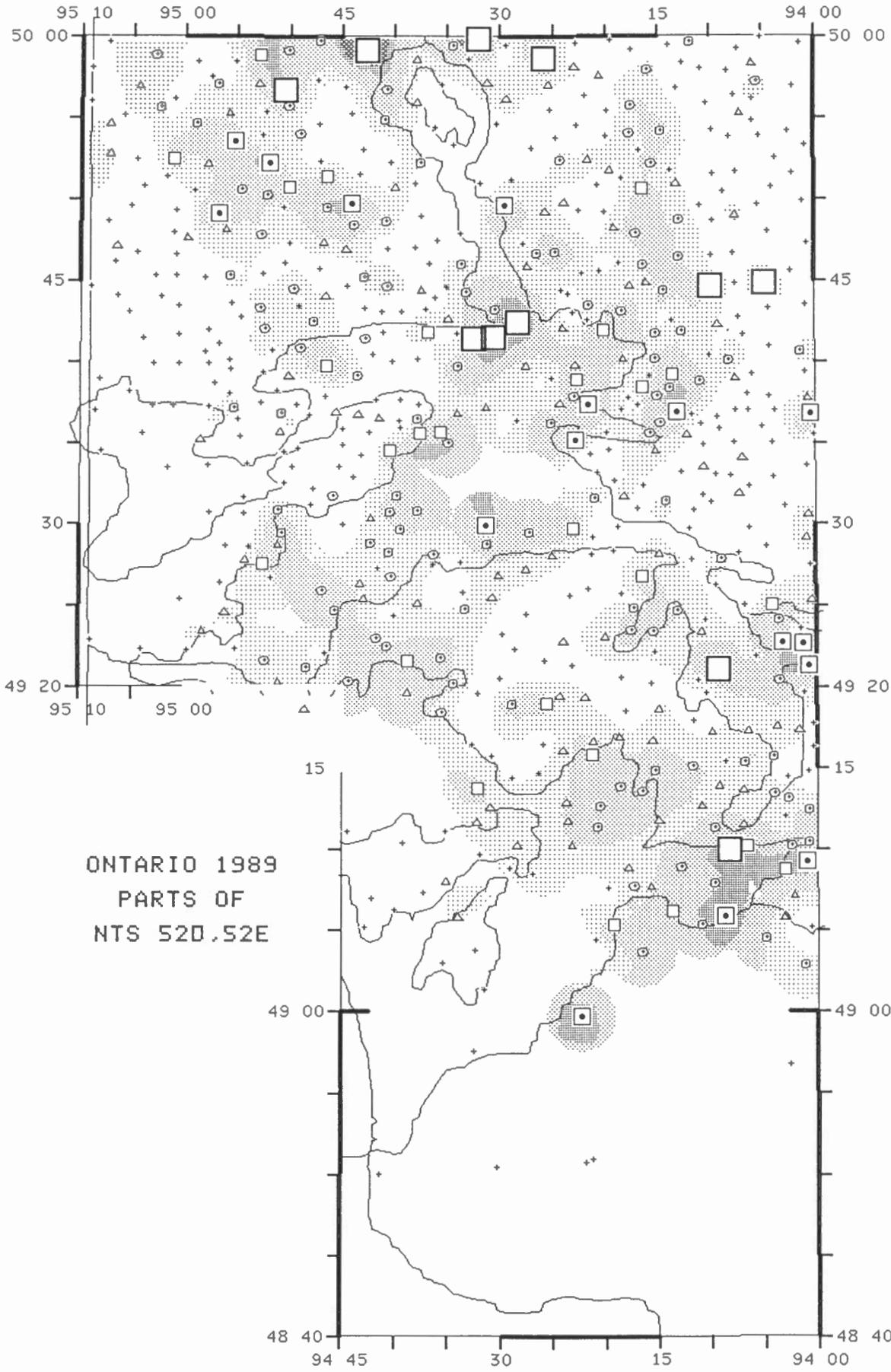


URANIUM  
 IN  
 LAKE WATERS

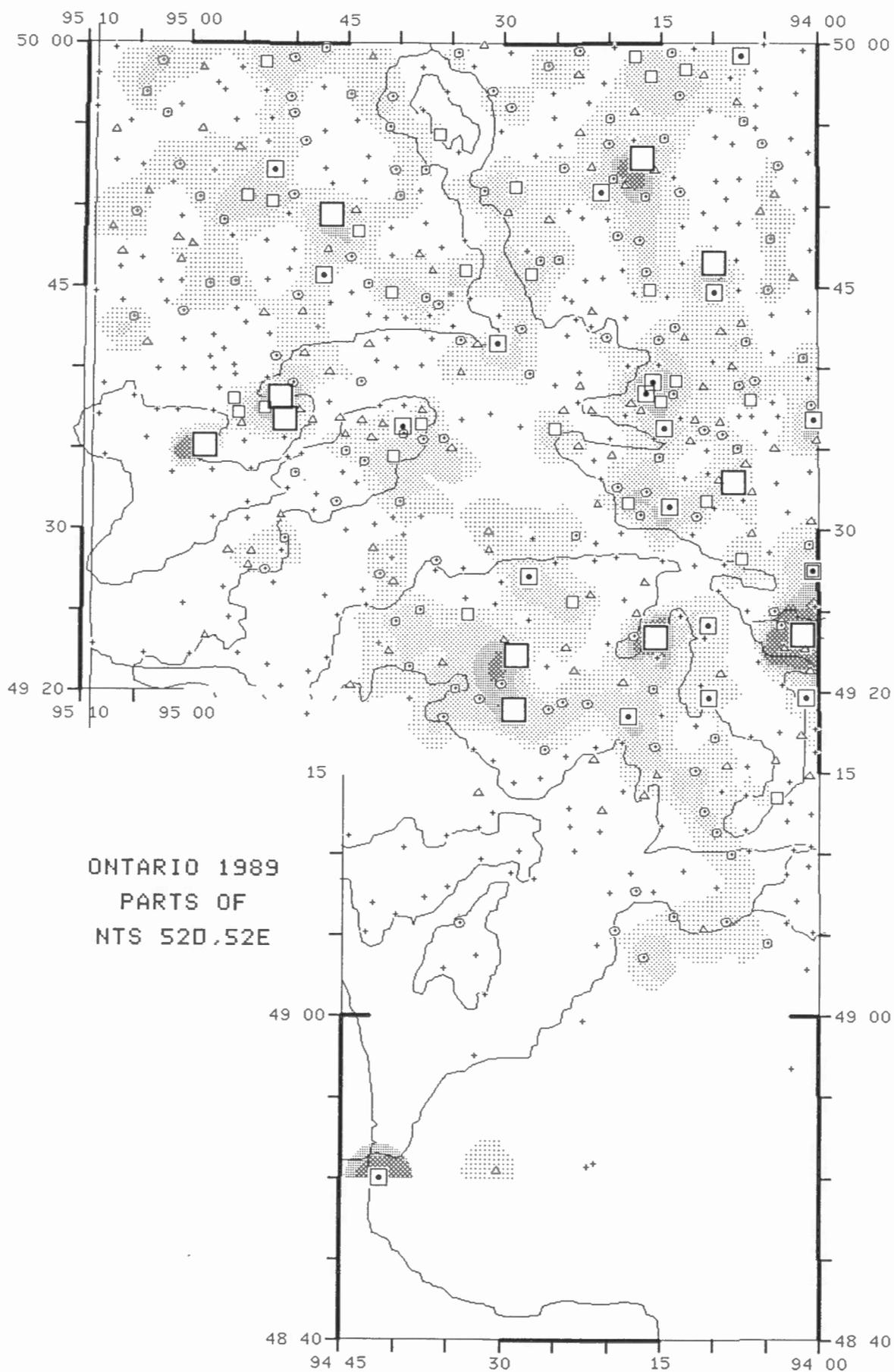


GSC OPEN FILE 1957  
 CANADA - ONTARIO  
 MINERAL DEVELOPMENT  
 AGREEMENT  
 (1985 - 1990)

VANADIUM  
 IN  
 LAKE SEDIMENTS



GSC OPEN FILE 1957  
 CANADA - ONTARIO  
 MINERAL DEVELOPMENT  
 AGREEMENT  
 (1985 - 1990)



ZINC  
 IN  
 LAKE SEDIMENTS

