GEOLOGICAL SURVEY OF CANADA OPEN FILE 1959

(parts of 64B and 64C)

CANADA -- MANITOBA MINERAL DEVELOPMENT AGREEMENT (1984 -- 1989)

GEOCHEMICAL RESULTS AND INTERPRETATION OF A LAKE SEDIMENT AND WATER SURVEY IN THE LYNN LAKE -- LEAF RAPIDS REGION, NORTHERN MANITOBA

GEOLOGICAL SURVEY OF CANADA

COMMISSION GÉOLOGIQUE DU CANADA

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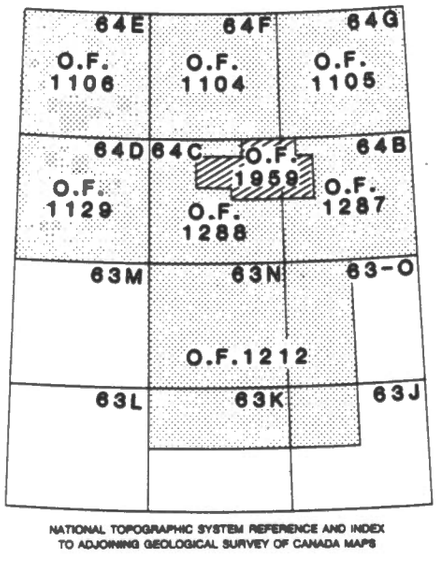

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS

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INTRODUCTION

Open File 1959 presents geochemical lake sediment and water data from the Lynn Lake - Leaf Rapids region of northern Manitoba.The Open File contains data from: nearly 350 sites sampled in 1987; about 50 sites sampled in 1985 and 1988 adjacent to and south of the Johnson shear zone; and regional geochemical data previously published as G.S.C. Open Files 999,1103,1287 and 1288. Open File 1959 displays data for the first infill lake sediment survey conducted in Manitoba designed to augment existing geochemical data in areas of high mineral potential.

The overall objectives of the survey are:

a) to provide a detailed geochemical data base for the mineral exploration industry to identify areas of high mineral potential

b) to evaluate trace element response in lake sediments and lake waters in areas of similar geology, overlain by compositionally dissimilar surficial deposits (e.g. carbonate-rich vs. non-carbonate tills), and

c) to provide baseline environmental geochemical data.

The survey area covers parts of map sheets 64B and 64C between 56°30'N to 57°N and 99°30'W to 101°15'W (figure 1). Average sample density is 1 sample per 4.2 square kilometres throughout the 3500 square kilometre survey area.

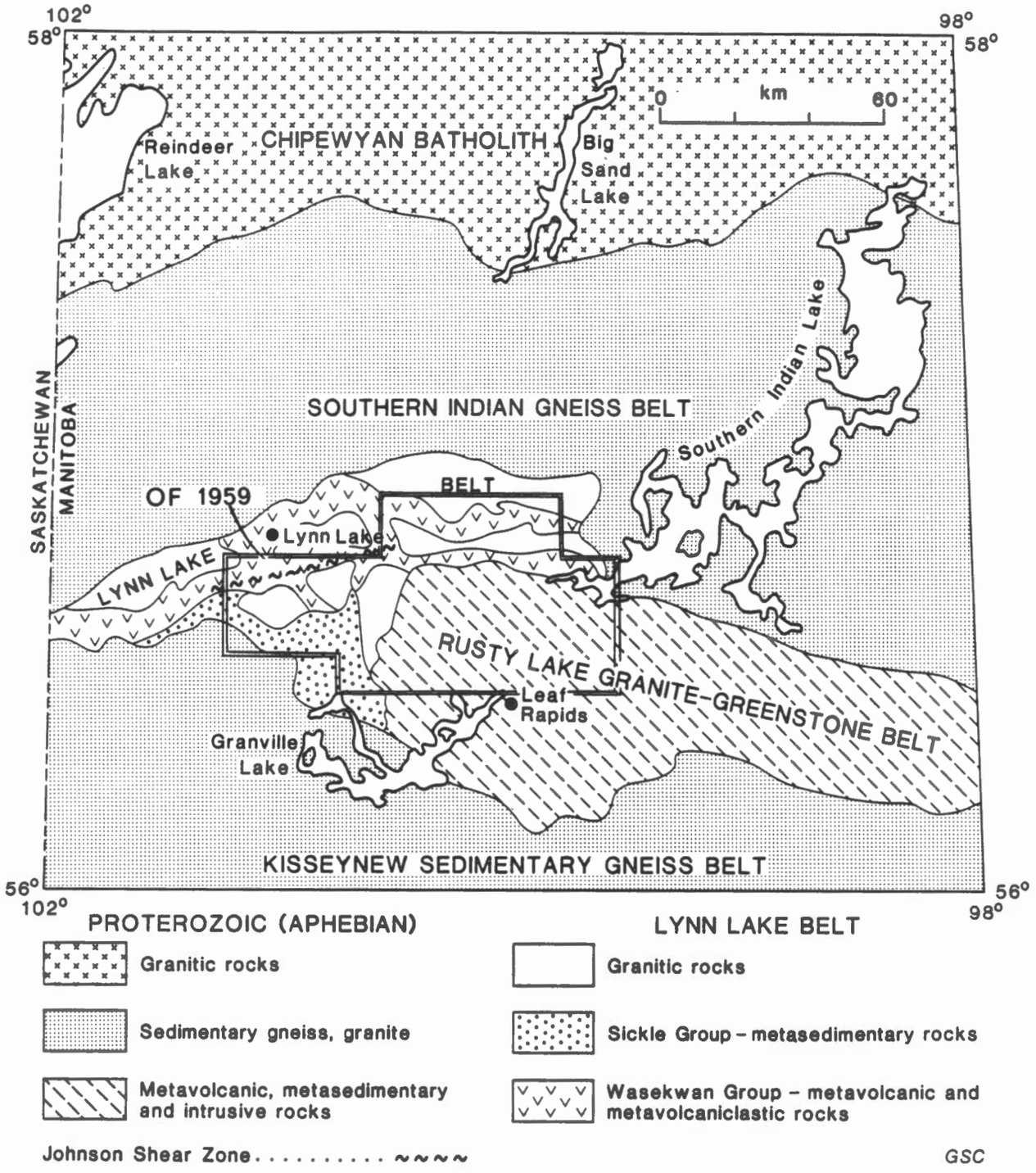

Figure 1. Location and regional geology of Open File 1959 (after Zwanzig, et al, 1985).

Open File 1959 is one of nine geochemical surveys covering parts of central and northern Manitoba which were carried out as part of the Canada-Manitoba Mineral Development Agreement (1984 - 1989). The Open File lists data for up to 20 elements in lake bottom sediments, and up to 12 elements in surface lake waters.

The survey contributes to a National Geochemical Reconnaissance (NGR) database which is used for resource assessment, mineral exploration, geological mapping, environmental and health studies. Sample collection, processing and analytical procedures are strictly specified and controlled. In this way consistent data are systematically obtained in different areas over many years from different analytical laboratories. The unanalyzed portion of the sample is carefully catalogued and archived so that it is available for future non-destructive testing for additional elements, and mineralogical research.

ACKNOWLEDGEMENTS

The 1987 Lynn Lake - Leaf Rapids infill geochemical sampling program was designed and carried out by H.R. Schmitt under the direction of E.H.W. Hornbrook and P.W.B. Friske of the Exploration Geochemistry Subdivision, Geological Survey of Canada. A.C. Galletta, H.A. Gross, and F.Williams are especially thanked for their dedication in assisting the Open File production. C.A. Kaszycki kindly provided preliminary surficial geological data for the Open File. Previous regional geochemical data covering parts of NTS 64B and 64C incorporated into Open File 1959 were derived from contracted NGR surveys carried out under the direction of E.H.W. Hornbrook, GSC. Geological Survey of Canada personnel and contract firms involved in various aspects of the past and present surveys are listed below.

Sample Collection:	64B;64C	- GSC,HR.Schmitt,DJ.Scholtz (1985/87)
	64B	- Marshall,Macklin Monoghan,Toronto (1984)
	64C	- Wollex Exploration, Calgary (1983)
Sample Preparation:	64B;64C	- Golder Associates, Ottawa (1984 - 1988)
Sediment Analysis:	64B;64C	- Chemex Labs Ltd., Vancouver (Au only, 1985, 1987, 1988)
	64B	- Bondar-Clegg and Company, Ltd., Ottawa (1987)
		Barringer Magenta Ltd., Rexdale (1984 - 1985)

	64C	- Acme Analytical Laboratories, Toronto (1983)
		- Barringer Magenta Ltd., Rexdale (Sb only, 1985)
Water Analysis:	64B;64C	- Chemex Labs Ltd., Vancouver (1983, 1987)
		- Geological Survey of Canada (1985)
		- Ward TSL, Winnipeg (1984 - 1985)
	64B	- Barringer Magenta (Alberta) Ltd., Calgary (pH, U, F, 1984)
	64C	- Bondar-Clegg and Company Ltd.,Ottawa (1988)
Data Processing and Presentation:		- GSC; A.C. Galletta, H.A. Gross, D.F.Wright
Cartography:		- GSC, Geological Information Division; F.Williams, J.Yelle
		- Terra Surveys Ltd., Ottawa
Reproduction:		- Ashley Reproductions Inc., Ottawa

DESCRIPTION OF THE SURVEY AREA

BEDROCK GEOLOGY

The following discussion of the regional geology is based largely on Manitoba Energy and Mines (1986a,b) and Cameron (1988).

The survey area is within the Churchill Structural Province and is underlain by early Proterozoic (Aphebian) rocks. Parts of four geological domains are encompassed, each represented by a unique succession of supracrustal rocks.

a) the southern margin of the Southern Indian Domain
b) the eastern half of the Lynn Lake Domain
c) the western part of the Leaf Rapids Domain
d) the northern margin of the Kisseynew Domain

These domains are considered to have evolved in a tectonic environment with oceanic volcanic arc affinities. Geochemical, structural and geochronological studies indicate that a complex history involving collision tectonics, crustal anatexis, and arc magmatism resulted in the present regional geological patterns.

The geological units referred to in the discussion below are indicated on the geology base accompanying the sample location and gold value map in the pocket at the rear.

The Southern Indian Domain is exposed in the northeast corner of the survey area and east of Opachuanau Lake where it is represented by unit 1 and 2, SIW and N. Rocks are comprised predominantly foliated granitic and greywacke-derived gneiss, migmatite and metasandstone, intruded by early Proterozoic megacrystic to porphyritic granite, unit 33, G.

The Leaf Rapids Domain underlies the eastern and central parts of the survey area. South of the Churchill River the dominant rock types, Units 3 to 10, are part of the northern block of the Rusty Lake volcanic belt. They include volcanic-derived metasedimentary rocks, polymictic volcanic conglomerate, turbidites, Ruttan Group basalt flows (unit 3 - RVr), mafic volcaniclastic rocks (unit 4 - RVf), metagreywacke with sulphide-facies iron formation (unit 9 - LRW), and hypabyssal gabbro (unit 10 - LBD).

The western part of the Leaf Rapids Domain is underlain almost entirely by Outlaw Bay tonalite (unit 28 - T), the Eden Intrusive suite which includes tonalite, quartz monzodiorite, granodiorite, monzogranite, aegerine-augite syenite, pegmatite (locally fluorite or andradite bearing) (units 32 - GA; 33 - G; 34 - EZ; and 35 - X), and granodiorite (unit 30 - GC). Minor units occuring in the western part of the domain include amphibolite (unit 5 - LRA), chemical sediments (unit 7 - K) and metagreywacke (unit 9 - LRW) southeast of Black Trout Lake, and various mafic to felsic metavolcanic rocks, amphibolite, and metasedimentary rocks (unit 5 - LRA) generally south of Eden Lake.

The **Lynn Lake Domain** occupies the western and northern part of the survey area. It consists of metamorphosed volcanic, sedimentary and plutonic rocks. The oldest part of the domain is represented by the Wasekwan Group metavolcanic and volcanic-derived metasedimentary rocks (units 11 - 18). Wasekwan Group rocks occur as prominent northern and southern belts striking east-west, with smaller splays and outliers. Mafic volcanic and volcaniclastic rocks of the northern belt may represent the uppermost part of the southern belt stratigraphic succession. In the central part of the northern belt high alumina and high magnesia tholeiitic basalts, referred to as the Agassiz Metallotect, host significant gold mineralization (Fedikow et al,

1986).In the southern belt, the contact between Wasekwan Group rocks and granitoid rocks to the south coincides closely with the Johnson Shear Zone, a narrow zone over 50 kilometres long of deformation and quartz-carbonate alteration associated with numerous gold occurrences. The northern and southern belts are separated by intermediate to felsic intrusives of the Poole Lake intrusive suite (units 20 - PD;21 - PG;and 22 - PT),older gabbro and diorite (unit 19 -B).

Metasedimentary rocks of the Sickle Group (units 23 - SC; 24 - SSh; and 25 - SS) unconformably overlie the Poole Lake intrusions and earlier Wasekwan Group rocks. The Sickle Group consists of a basal polymictic conglomerate overlain by a fining-upward sandstone sequence.

The **Kisseynew Domain** is a sedimentary gneiss belt south of the Lynn Lake and Leaf Rapids domains. The northern Kisseynew margin is exposed along the southwestern-most part of the survey area where it is underlain by gneissic tonalite, granodiorite and granite of the Glasspole Lake Complex.

SURFICIAL GEOLOGY

Bedrock in the survey area is mantled by late Wisconsinan surficial deposits derived from Keewatin ice flow centred to the west, and Hudson lobe ice originating from the east. The zone of lobe ice convergence is marked by the discontinous Leaf Rapids interlobate moraine (Figure 2, Klassen, 1983; Kaszycki and DiLabio,1986;).

West of the moraine, Keewatin ice flow directions ranging from 190° to 210° deposited predominantly till of variable thickness, and lesser glaciofluvial and nearshore glacio-lacustrine deposits (Kaszycki et al.,1986). East of the interlobate moraine, Hudson lobe ice directions ranged from 225° to 260°. Hudson glaciation deposited Paleozoic carbonate-bearing till, stratified glaciofluvial deposits,nearshore and offshore glacio-lacustrine deposits. Deglaciation in the region resulted in the deposition of proglacial Lake Agassiz clay and silt, littoral sand,and gravel and boulder deposits resulting from erosion and reworking of older till and glaciofluvial deposits (Kaszycki and DiLabio, 1986; Nielsen and Graham, 1985).

Organic deposits are ubiquitous, occupying: most depressions; lake margins; extensive areas of subdued terrain east of Barrington Lake, and southeast of the Churchill River system. Bedrock is variably exposed, but generally amounts to less than 25% of the surface area.

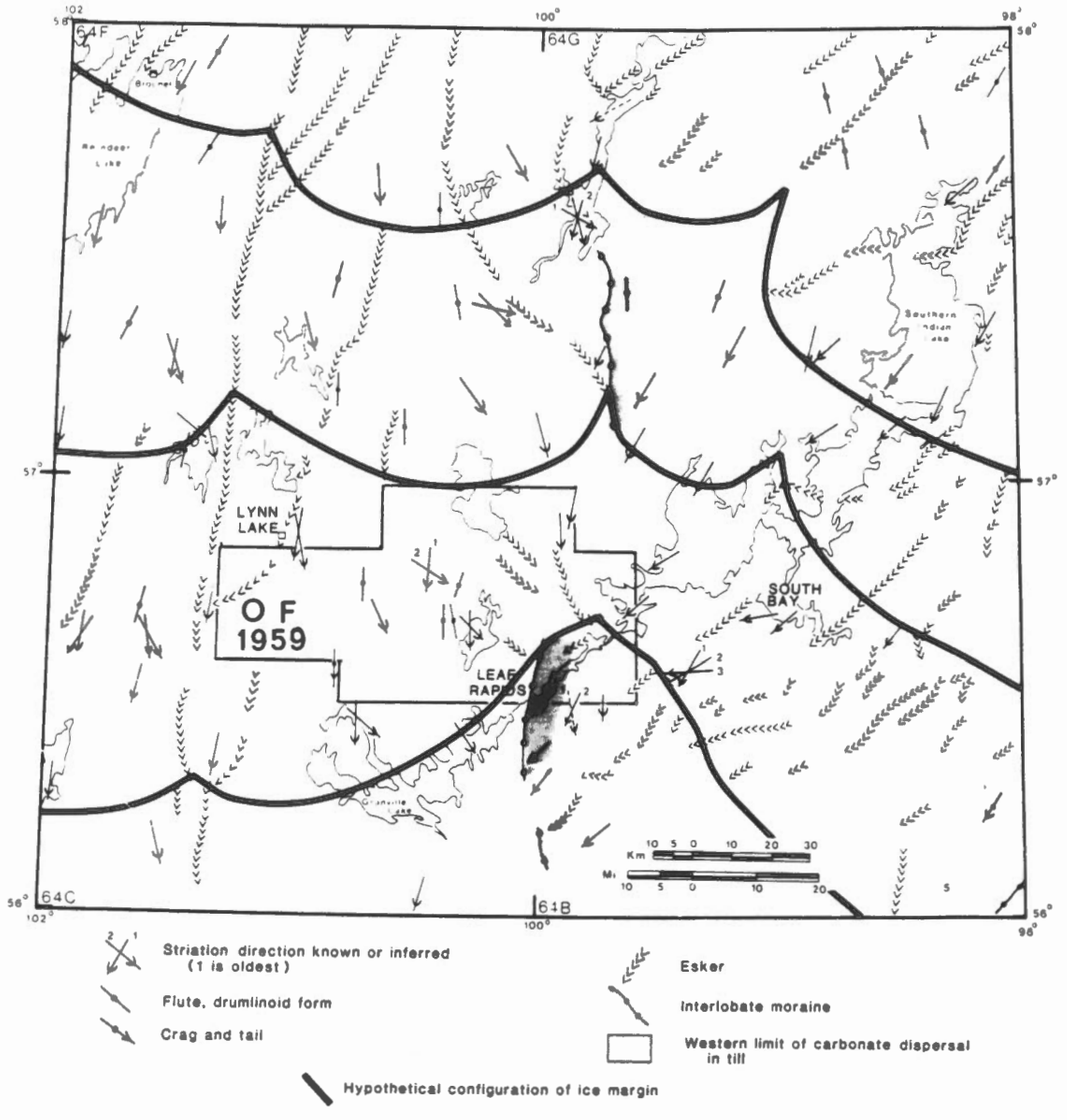

Figure 2. Regional ice movement directions, hypothetical ice margin configurations, and position of Leaf Rapids interlobate moraine. (after Kaszycki and DiLabio, 1986).

MINERAL DEPOSITS

The locations and references to over 30 occurrences and deposits in the survey area are shown on the 1:100,000 scale sample location and element value maps accompanying the Open File.

Mineralization occurs throughout the survey area, although the greatest number of occurrences are in metavolcanic and metasedimentary rocks of the Lynn Lake and Leaf Rapids Domains. The known mineral deposits can be classified into two broad categories, each with specific structural, lithologic and geochemical associations.The categories are gold deposits and base metal massive sulphide deposits.

Gold mineralization is predominantly associated with metamorphosed Wasekwan Group volcanic and sedimentary rocks in

the Lynn Lake Domain. Gold mineralization occurs in quartz-carbonate veins and quartz-filled shears, gold-bearing sulphides in sulphide or oxide facies iron formations, or as disseminated gold in silicified and carbonatized host rock. Pyrite, pyrrhotite, magnetite, arsenopyrite, chalcopyrite, galena, and sphalerite most commonly accompany gold mineralization.

In the northern Lynn Lake greenstone belt, gold mineralization occurs in a regionally extensive, well defined sequence of rocks which may include basaltic to ultramafic komatiites, siliceous and biotite-rich siltstones, and sulphide, oxide and silicate facies iron formation (Richardson and Ostry, 1987). Magnetite, pyrrhotite and pyrite are the dominant gold-bearing mineral species. This sequence hosts the MacLellan Mine deposit (2.9 million tonnes of 5.2 g/tonne Au and 11.8 g/tonne Ag; Fedikow et al, 1986) northeast of Lynn Lake, and extends east into the survey area where it hosts the Farley Lake deposit, Nickel Lake and Spider Lake occurrences (Fedikow, 1986).

Gold mineralization in the southern Lynn Lake greenstone belt occurs predominantly along the Johnson Shear Zone which nearly defines the contact zone between ductile Wasekwan Group rocks and more brittle pre-Sickle intrusions. The zone extends from west of Gemmell Lake to Hughes River, a distance of over 50 kilometres. Gold mineralization is characterized by pyrite, pyrrhotite, arsenopyrite, galena and sphalerite in quartz veins or carbonate-quartz-rich zones in competent Wasekwan Group rocks or felsic intrusive rocks within or close to shear zones (Richards and Ostry, 1987; Baldwin, 1987; Peck, 1984; and Ferreira, 1986). Amor (pers. comm) and Schmitt (1989) have found anomalous concentrations of W, Sb and Mo in lake sediments and tills locally associated with gold mineralization in the Foster - Wasekwan Lakes area. Gold deposits along the Johnson Shear Zone include T1A, Burnt Timber, and Cartwright Lake.

The Lynn Lake - Leaf Rapids region contains 4 significant **base metal massive sulphide** deposits, all of which lie just outside the present geochemical survey area. These include the producing Ruttan Cu-Zn deposit east of Leaf Rapids, and past producing Fox (Cu-Zn), A (Ni-Cu-Co), and EL (Ni-Cu) mines. The deposits are hosted by metavolcanic or associated gabbroic intrusions of the Lynn Lake or Leaf Rapids Domains. In the survey area 15 base metal mineral localities are hosted by similar rocks. Mineralization consists mostly of disseminated to semi-massive pyrite and/or pyrrhotite with variable amounts of chalcopyrite and sphalerite (Baldwin, et al.,1985). At Nickel Lake, Fedikow and Eccles (1985,1987) reported mineralization enriched in Fe and Cu with variable Au,Ag,and W in high Mg-Cr volcanic and sulphide-rich metasedimentary rocks analogous to the MacLellan Mine and Farley Lake deposit stratigraphy.

In the southeastern-most part of the survey area, south of Rusty Lake, exploration drilling of several sub-parallel geophysical conductors delineated disseminated to semi-massive

Fe-sulphide layers with traces of chalcopyrite in schistose to gneissic metasedimentary rocks (Baldwin, 1982).

The following types of mineralization, while not reported from the survey area, are potential exploration targets based on geology and known occurrences outside the survey area.

a) U,F and rare earth element (La,Ce,Sm,Tb,Yb,Lu) mineralization in alkaline intrusions and pegmatites especially in the Eden Lake area (McRitchie, 1988).

b) Au paleoplacer deposits in basal polymictic conglomerates of the Sickle Group (Baldwin, 1980).

c) Au,Ag,W in granitoid-hosted quartz-vein shear environments. Several significant Au deposits have recently been discovered in granitoid rocks in and adjacent to the LaRonge greenstone belt (Thomas and Watters, 1987; Yaychuk, 1987), considered to be the Saskatchewan extension of the Lynn Lake Domain. Similar deposits may be hosted in granitoid rocks adjacent to the Lynn Lake and Leaf Rapids Domains.

The following table summarizes mineral deposit types, lithology and geochemical signatures which may be reflected as possible element associations in the centre-lake sediments.

DEPOSIT TYPE	LITHOLOGIES	ELEMENT ASSOCIATION
Gold: vein, disseminated, shear zone sulphide/oxide/ silicate facies	Wasekwan Group metavolcanics, metasediments, ultramafic to felsic intrusions	Au,Fe,Ag,Cu,As Zn,Pb,Sb,W,Mo
Fe formation		Mg,Cr,Fe,As
Base metal: disseminated to massive	Basaltic to rhyolitic meta-volcanics and derived meta-sediments.	Fe,Cu,Zn,Pb,Cd Ag,Au
	Ultramafic to basic intru-sions	Cu,Ni,Co
Gold paleoplacer	Sickle Group, basal poly-mictic conglomerate	Au,W?,Sn?
Uranium and REEs	Differentiated felsic and alkaline intrusions, pegmatites	U,F,Mo,Sn,W La,Ce,Sm,Tb,Yb, Lu,Li,Ta,Be,Cs, Nb

SURVEY METHODOLOGY

Infill lake sediment and water samples were collected during a helicopter-supported program by GSC personnel in 1987, and during a limited float plane and inflatable boat supported program in 1985 and 1988. In 1983 and 1984 lake sediment and water samples were collected by contract survey firms (see acknowledgements) according to instructions and specifications administered by the Geological Survey of Canada. Sampling rates for helicopter-supported phases of the program ranged from 12 to 18 sites per hour.

Augmentation of the original surveys by the infill sample collection resulted in a nominal sample site density of 1 site per 3.5 square kilometres, although actual site density ranges from >1 site per 1 square kilometre along the Johnson Shear Zone and in the Farley Lake area, to 1 site per 8 square kilometres west of Eden Lake.

Preferred sample sites consisted of the profundal basin of a lake 1 - 5 square kilometres in area, 3 - 5 metres deep, and part of an active drainage system. During the 1987 infill survey however, water bodies ranging from <.5 square kilometres to major bays of lakes >20 square kilometres were sampled in order to achieve effective representation of specific geological units.

Lake sediments were collected using a modified model of the GSC 1976 lake sediment sampler (Coker et al, 1979). The top several centimetres of the sediment column was discarded, retaining thixotropic gel-like material which was placed in high wet-strength paper bags for drying and transport to the sample preparation laboratory. Less common sample types included H_2S-rich organic gels and organic-deficient silty material.

Lake waters were routinely collected at sediment sites in 250 mL Nalgene bottles from at least 30 centimetres below the water surface.

To monitor and control sampling and analytical variance, each block of twenty samples included a field duplicate, blind duplicate (sample split) and control reference sample.

SAMPLE AND FIELD DATA PROCESSING;

Sample processing was carried out by qualified contract firms under the supervision of GSC personnel. Lake sediments were air dried at no greater than 35°C, ball-milled and sieved to -177 micron size. Next, duplicate and reference samples were inserted, and samples analyzed by contract analytical firms for some or all of Zn, Cu, Pb, Ni, Co, Ag, Mn, As, Mo, Fe, Hg, U, F, V, Cd, Sb, W, Ba, Sn, Au, and loss-on-ignition (a measure of organic content). Repeat analyses were requested for an analytical block of twenty samples if control sample values fell outside accepted ranges. Repeat analyses were requested for Au for nearly all samples, for some samples a total of three analyses were

performed. All analytical methods are summarized in Appendix 1.

Lake waters were shipped to Ottawa where GSC personnel verified and inserted control reference samples prior to shipment to the contract laboratory. Water samples were analyzed for some or all of pH, U, F, Ca, Mg, Alkalinity, plus a multi-element suite by ICP spectrometry for the 1987 samples which provided detectable levels for Na, Sr, and Ba. As, Hg, Mn, and Pb values were below or just at the detection level. Water analytical methods are summarized in Appendix 1.

Field data were coded on standard GSC lake sediment and water cards. The keypunched file was transferred from the VAX 1180 computer to an Olivetti 386 micro-computer for merging with analytical data and file editing. Sample sites were transferred from 1:250,000 field traverse maps to a stable base at the same scale, digitized at the GSC, and the UTM location file merged with field and analytical data. Sample location plots for verification were produced with a Cyber 730 computer linked to a Calcomp drum plotter.

Data were processed for listings and summary statistics using software developed by H.A. Gross in the Exploration Geochemistry Subdivision.

Regional symbol-trend maps were produced by A.C.Galletta using APPMAP (Geochemistry Subdivision designed graphics utilizing UNIRAS software) and final plots prepared by the OPTRONIX Laser plotter located at Environment Canada, Canada Lands Data Systems (CLDS) in Hull, Quebec. Reproduction of the Open File material was carried out at Ashley Reproductions in Ottawa prior to final assembly at the GSC.

PRELIMINARY DATA INTERPRETATION

GENERAL CONSIDERATIONS

The geochemistry of lake sediments and lake waters depends largely on the chemical composition of surrounding geology and composition of adjacent surficial deposits which provide the main sources of trace elements. The degree of mobility of trace elements is influenced by the nature of the interactions between these geologic units and surface or groundwaters in the weathering environment. Base and precious metals are typically released to the environment through the oxidation and breakdown of sulphide minerals in bedrock and surficial deposits.

pH and alkalinity concentrations in lake waters, and Fe, Mn, and LOI (organic content) of lake sediments provide us with evidence for assessing the degree of mobility and scavenging processes that may influence trace element concentrations (Friske, 1985; Maurice, 1984).

Areas of low relief typically have higher concentrations of decomposing organic matter. The low relief throughout much of the survey area suggests that hydromorphic and metal-organic processes likely dominate over mechanical processes in controlling secondary dispersion patterns. Organic matter can enhance or retard metal mobility by forming soluble or insoluble colloidal compounds and sulphides by bacterial reduction. The sympathetic relationship between Hg and LOI is an illustration of one of these processes. For the survey area, surficial environments are characterized by oxidizing, pH 5 - 8 conditions. Following Rose (1979) and Friske (1985), the relative mobility of elements can therefore be given as:

Mo > F ≈ Zn ≈ Ag ≈ F ≈ U ≈ As ≈ Hg ≈ Sb > Mn ≈ Pb ≈ Cu ≈ Ni ≈ Co > Cd ≈ W > Fe > Sn ≈ Au

However, the element distribution patterns from this Open File and other recent workers (Davenport and Nolan,1989; Schmitt, 1989) have shown that even the "immobile" elements such as Au and Sn show significant surficial dispersion patterns in lake sediments.

Hydrous Fe and Mn oxides are well-known for their ability to scavenge trace elements such as Co, Ni, Zn, and As, thus creating false anomalies unrelated to local background concentrations. This effect is generally diminished in deeper, organic-rich lakes where reducing conditions prevail, causing the Fe-Mn oxides to destabilize. Nevertheless there may be a general trend for increased Fe and Mn concentrations to occur in areas underlain by mafic meta-volcanics, basic intrusives, and argillaceous or Fe-rich metasedimentary rocks.

Multivariate statistical analysis can be used effectively to discriminate between element concentrations in lake sediments that are likely to represent actual mineralization or geological units that exhibit significant mineral potential, and environmental effects (Wright et al, 1988). Although such analyses are beyond the scope of this report, the element-symbol-trend plots included with the Open File are the first step towards a qualitative preliminary interpretation of the data. The data were plotted using an inverse distance function ($1/d^3$) applied to the nearest 5 data points. The effect of this moving average technique is to accentuate regional features and de-emphasize minor irregularities (noise) that may be attributable to local environmental controls. Combined with the symbols, the plots are effective in delineating major rock units with elevated chemical concentrations or chemically distinctive surficial units. Clusters of symbols designating upper percentile values within a prominent regional trend may represent mineral deposits exposed to the weathering environment.

The following discussions are based on some of these general considerations, and a review of the element-symbol trend plots along with reference to local geology and mineral deposits.

ELEMENT DISPERSION PATTERNS IN LAKE SEDIMENTS

LOSS ON IGNITION;

Loss on ignition provides a measure of the organic content of the lake sediment. 76% of the samples have values that fall between 15% and 60% LOI. In this concentration range, trace metal response is relative insensitive to organic content (Lynch et al, 1973). At lower and higher LOI values trace metal response may be suppressed; high metal contents in these sediments may therefore be considered anomolous given average concentrations of Fe, Mn and other environmental factors. Still other elements are relatively unaffected by very high or low concentrations of organic material. In low lying areas where organic-rich lake sediments tend to predominate, metal-organic interactions may exert controls on the mobility of metals.

Fe and Mn;

High concentrations of Fe and Mn appear to be related to oxidizing, low LOI, large lake environments rather than to bedrock geologic factors. Thus a few very high Fe and Mn values exert a profound effect on these element regional distribution patterns. This feature is especially notable for samples collected from large bays around the periphery of Opachuanau Lake. Elsewhere, Fe and Mn are typically low adjacent to Fe-formations such as those within the Agassiz Metallotect and south of Rusty Lake. These areas are low lying and contain small, organic-rich lakes where reducing conditions likely predominate in lake-bottom sediments.

Co and Ni;

These two siderphile elements have generally coincident patterns with Fe and Mn, with which they are commonly associated in bedrock environments. In addition, Co and Ni readily co-precipitate with hydrous Fe-Mn oxides, so some of the high values may represent "false anomalies".

Ni exhibits two trends that appear to be related to basic intrusions. East of Sickle Lake, elevated Ni values in lake sediments most likely reflect elevated Ni contents in a large gabbro body (unit 19-B). South of Anson Lake, high Ni values are related to Wasekwan Group metavolcanic and amphibolite rocks, or possibly unmapped basic phases of the Poole Lake intrusive suite.

Cu, Pb, Zn, Cd, and Hg;

The chalcophile elements Cu, Pb, Zn, Cd, and to some degree, Mo, As, and Ag are contained in a variety of base metal sulphide and precious metal deposits. These elements behave similarily under surficial chemical conditions, and hence their secondary dispersion patterns are often similar.

Areas of low concentrations of these elements in the central survey area coincide with neutral pH, high alkalinity waters, suggesting that secondary dispersion is inhibited due to relatively less favourable conditions for the formation of

soluble complexes. By comparison adjacent areas of lower pH and lower alkalinity exhibit enhanced concentrations of the chalcophile elements.

West of Opachuanau Lake, Pb, Cu, Zn, As, and to a lesser extent, Au, are enriched in organic-poor lakes with acid to alkaline waters. The pronounced coincident trace metal response suggests a major bedrock control, possibly related to Wasekwan amphibolites nearby and in the up-ice direction.

North of the Barrington River, a 10 kilometre east-west trend of elevated Pb concentrations is coincident with a granitoid pluton. Since no other elevated chalcophile elements are associated with this trend, the high Pb values probably represent elevated natural background levels in a potassic granite.

A cluster of elevated Zn concentrations in the vicinity of Hughes Lake coincides with elevated Fe, Mn, and As values adjacent to several Fe-Cu occurrences (nos,13, 14, and 15) hosted by Wasekwan metavolcanic rocks. The element distribution patterns suggest that additional metavolcanic-hosted mineralization may exist to the north, east of Chepil Lake.

East of Barrington Lake, elevated Cu, Cd, As, and Hg occur several kilometres east and in the up-ice direction of documented Fe-Cu occurrences in Wasekwan metalvolcanic rocks. The zone of multi-element anomalies suggests that nearby amphibolite and mafic metavolcanic rocks are enriched in these chalcophile elements and may host polymetallic base metal sulphide mineralization.

Southwest of Barrington Lake, elevated Cu concentrations at Nickel Lake are related to mineralization along the Agassiz Metallotect and adjacent mafic volcanic rocks.

The other major Cu-elevated zone occurs east of Sickle Lake to southeast of Black Trout Lake. Local geology includes gabbro, diorite, and amphibolite cross-cut by several major north-trending regional faults. The area also contains anomolous concentrations of Cd, Hg, Mo, Zn, Ni, and Au which indicates potential for a variety of polymetallic mineralization styles. It is perhaps notable that no occurrences are documented from this area, considering the strength of the multi-element anomaly.

Cd values are typically low throughout much of the survey, however, a prominent trend of elevated concentrations extends for over 10 kilometres southeast of the Johnson Shear Zone from the vicinity of Foster and Wasekwan Lakes. At Foster and Resevoir Lakes, elevated Cd values are closely associated with elevated Zn in lake sediments adjacent to observed disseminated sphalerite mineralization along the Johnson Shear Zone. The regional Cd trend therefore probably indicates analogous mineralization styles in Wasekwan metavolcanic rocks extending southeast of Wasekwan Lake. The linear and lobate shape of the trend also indicates a degree of glacial transport influence on the Cd distributions.

Ag;

Ninety-eight percent of the survey samples have Ag concentrations at or below the detection level. A cluster of 5 detectable concentrations occur west of Barrington Lake in areas underlain by the northern Lynn Lake greenstone belt. Three of these samples lie along the Agassiz Metallotect, which is known dto contain Ag-bearing sulphide mineralization.

As, Mo;

The distribution of As and Mo in lake sediments is generally similar in the western part of the survey; in the east half, broad zones of moderately elevated As concetrations occur, whereas Mo concentrations are generally low.

Surficial weathering of sulphide-facies iron formation units at Gordon and Farley Lakes has given rise to a major coincident As, Mo anomaly in lake sediments. In addition, high concentrations of Mo occur in granitoid rocks at their contacts with metavolcanic rocks, suggesting vein-type or disseminated mineralization different from the Agassiz Metallotect style of mineralization. The elevated As and Mo concentrations extend to the south for nearly 20 kilometres. This feature may be reflect glacial transport processes of major regional proportions. However, the underlying geological units are locally enriched in Mo and As, and contain mineral occurrences with variable concentrations of Mo and As. Hence, the geochemical patterns cannot be easily explained, certainly they represent a complex overlap of Mo/As- enriched bedrock sources ,glacial dispersion and post-glacial weathering processes.

A major concentration of high As values at the western edge of the survey straddles the western end of the Johnson Shear Zone, and is the southern extension of a major regional elevated As trend that covers the western end of the Lynn Lake greenstone belt (GSC OF 1288). Numerous occurrences of Fe-S-As>Cu>Zn-Pb>Ag-Au mineralization associated with mafic to felsic metavolcanic rocks, volcanic-derived metasedimentss and basic to felsic intrusions along the Johnson Shear Zone and outside the western survey boundary are the likely source of the As. Glacio-fluvial processes may also have contributed to the widespread dispersion of As as evidenced by several esker complexes. The strength of the As anomaly indicates a favourable geological environment for discovery of further As (Au)-enriched deposits.

Au;

Several recent studies on the distribution of Au in lake sediments (Davenport and Nolan, 1989; Schmitt and Friske, 1987; and Schmitt, 1989) illustrate that the problems posed by low Au concentrations in lake sediments (measurable concentrations are typically only a few ppb above detection levels) combined with sampling and analytical errors, can be overcome. Increased sampling density, repeat analysis of all samples, especially low LOI sediments, and application of smoothing techniques to display data, can all be used to achieve meaningful interpretation of the

data. Most importantly, major gold deposits may be reflected by only a few ppb Au in lake sediments. For example, the nearest sampled lake to the Burnt Timber deposit has a value of 3 ppb, whereas Farley Lake downstream of the Farley Lake deposit which is buried beneath thick surficial deposits, returned values in the 1 to 3 ppb range.

The regional distribution of Au in lake sediments in the survey area is characterized by numerous single point anomalies and several clusters of high values, only one of which can be adequately explained by known mineralization.

Cluster 1: The Foster - Wasekwan - Reservoir Lake area contains Au values ranging from <1 to 30 ppb. They are derived from auriferous sulphide-bearing quartz veins and disseminations along the Johnson Shear Zone. Elevated concentrations of As, Sb, Mo, and W are locally associated with Au. A broad zone of Au values in the 80 - 90 percentile range south of the Johnson Shear Zone may be related to granitoid-hosted quartz vein mineralization such as that documented for granitoid rocks within and adjacent to the LaRonge greenstone belt (Thomas and Watters,1987).

Cluster 2: East of Sickle Lake, one Au value >98 percentile is flanked to the northwest and southwest by numerous values in the 70 - 90 percentile range of the data set. The underlying geology consists of gabbro, tonalite and amphibolite cross-cut by major northerly trending faults. Cu, Cd, Hg, Mo, and Zn are also elevated in lake sediments from this area.

Cluster 3: A cluster of high Au values (1 > 98 percentile, 3 in the 95 - 98 percentile range, and 4 in the 90 - 95 percentile range) trends across Highway 391 north of the Churchill River. The anomalous trend lies along the eastern contact of a large megacrystic granitic pluton with a tonalite intrusion. None of the chalcophile elements are similarily elevated in this area, despite acid pH levels in lake waters which indicate that these elements would be mobile in this environment. The Au anomaly appears unrelated to exposures of metavolcanic rocks about 10 kiometres to the northeast, and therefore suggests the possibility of hitherto unrecognized granitoid-hosted Au mineralization, or Au-enriched intrusions.

Sn;

Sn analyses of lake sediments were restricted to the infill samples. Little is known about the controls on the distribution of Sn in lake sediments and so only general observations can be made.

Elevated Sn concentrations near Hunter Lake occur where Sickle Group sandstone and quartzofeldspathic gneiss are intruded by Black Trout Lake diorite.

A pronounced zone of high Sn values northeast of Eden Lake is underlain by megacrystic granite, pegmatites, and uraniferous rare earth element-bearing alkaline intrusions (Cameron,1988; McRitchie,1988).

U and F;

U in lake sediments and waters, and F in lake waters, exhibit the most pronounced regional concentrations above background values. A zone of anomalous U up to 20 kilometres wide and nearly 40 kilometres long coincides with the Eden intrusive suite in the west and tonalite in the east near Opachuanau Lake. The high U and F concentrations appear to be influenced by a variety of factors including; high background values in bedrock, exposed alkaline intrusions that buffer water pH and allow soluble U and F complexes to form, and calcareous tills in the east that similarily enhance U and F mobility.

ELEMENT DISPERSION PATTERNS IN LAKE WATERS

pH;

pH of surface lake waters ranges from 4.8 to 8.7. Nearly 75% of lake waters exhibit pH values in the neutral range of 6.4 to 7.5, although the mean value of all samples is 6.7. Prominent clusters of acidic (pH<6.3) waters occur overlying the large gabbro body east of Sickle Lake, along the Agassiz Metallotect, and over various intrusive rocks partly exposed or mantled by a thin veneer of surficial deposits. Alkaline (pH>7.7) lake waters occur where calcareous metasediments of the Sickle Group are exposed, and elsewhere throughout the central and east parts of the survey area where carbonate-bearing tills have been documented (Kaszycki and Dilabio, 1986).

Ca, Mg, Na, Sr, and Alkalinity;

Ca, Mg, Na, Sr, and Alkalinity display generally similar distribution patterns, they are higher in the eastern part of the survey area, reflecting the presence of carbonate-bearing tills. Within this regional high are interspersed low alkalinity waters which may indicate thin to patchy carbonate-bearing till cover where bedrock compositions exert greater influence on surface water compositions.

In the Farley Lake area high Mg, Ca and alkalinity waters are related to calcareous metasediments, high Mg basalts, and possibly carbonate alteration zones. The concentration of these elements in waters along the Agassiz Metallotect may be an important local constraint on the mobility of certain chalcophile elements.

As, Hg, Pb, Mn, and Ba;

The concentrations for these elements were generally at or below the detection level of the ICP analytical method employed, hence element-symbol plots are not included.

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.

Baldwin, D.A.

1980: Disseminated stratiform base metal mineralization along the contact zone of the Burntwood River metamorphic suite and the Sickle Group; Manitoba Energy and Mines, Economic Geology Report ER79-5, 20p. plus maps.

1982: Mineral deposits in the Ruttan Lake, Karsakuwigamak Lake, Muskayk Lake areas, Manitoba (parts of NTS 64B/5,6,11 and 12); Manitoba Energy and Mines, Open File Report OF81-4, 59 p. plus maps.

1987: Gold mineralization associated with the Johnson Shear Zone; in Manitoba Energy and Mines, Report of Field Activities, 1987, pp 7-11.

Baldwin,D.A., Parbery, D., Boden, S. and Michielsen, A.

1985: Mineral deposit studies in the Lynn Lake and Barrington Lake areas; in Manitoba Energy and Mines, Report of Field Activities, 1985, pp 20-28.

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.

Cameron, H.D.M.

1988: Geology of the Eden Lake area; Manitoba Energy and Mines, Geological Report GR84-2, 18p plus maps.

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.

Coker, W.B., Hornbrook, E.H.W., and Cameron, E.M.

1979: Lake sediment geochemistry applied to mineral exploration;in Geophysics and Geochemistry in the search for Metallic Ores, P.J. Hood (ed); Geological

Survey of Canada, Economic Geology Report 31, p. 435-478.

Davenport, P.H., and Nolan, L.W.
1989: Mapping the regional distribution of gold in Newfoundland using lake sediment geochemistry; in Current Research, Newfoundland Department of Mines, Geological Survey of Newfoundland, Report 89-1., p 259-266.

Fedikow, M.A.F.
1986: The Agassiz Metallotect - Spider Lake area; in Manitoba Energy and Mines, Report of Field Activities, 1986, pp 23-25.

Fedikow, M.A.F., Baldwin, D.A., and Taylor, C.
1986: Gold mineralization associated with the Agassiz Metallotect and the Johnson Shear Zone, Lynn Lake greenstone belt, Manitoba; in Gold in the Western Shield, L.A. Clark (ed), Canadian Institute of Mining and Metallurgy Special Volume 38, pp 361 - 378.

Fedikow, M.A.F., and Eccles, D.R.
1985: Geology and mineral occurrences in the Nickel Lake area, Agassiz Metallotect; in Manitoba Energy and Mines, Report of Field Activities, 1985, pp 29-31.

Ferreira, K.
1986: Geological investigations in the Foster - Wasekwan Lake area; in Manitoba Energy and Mines, Report of Field Activities, 1986, pp 13-17.

Ficklin, W.H.
1970: A rapid method for the determination of flouride in rocks and oils, using an ion selective electrode; U.S. Geological Survey Paper 700C, pp. C186-C188.

Friske, P.W.B.
1985: Interpretation of data from the Rainy Lake - Quetico area, northwestern Ontario; Geological Survey of Canada, Paper 84-20, 24p.

Garrett, R.G.
1974: Field data acquisition methods for applied geochemical surveys at the Geological Survey of Canada; Geological Survey of Canada, Paper 74-52.

Geological Survey of Canada
1984: Regional lake sediment and water geochemical reconnaissance data, NTS 64C; Geological Survey of

Canada Open File 999, 133p. plus maps.

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1985: Regional lake sediment and water geochemical reconnaissance data, NTS 64B; Geological Survey of Canada Open File 1103, 61p. plus maps.

_____

1986: Regional lake sediment and water geochemical reconnaissance data, NTS 64B; Geological Survey of Canada Open File 1287, 85p. plus maps.

_____

1986: Regional lake sediment and water geochemical reconnaissance data, NTS 64C; Geological Survey of Canada Open File 1288, 129p. plus maps.

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.

Kaszycki, C.A., and DiLabio,R.N.W.

1986: Surficial geology and till geochemistry, Lynn Lake - Leaf Rapids region, Manitoba; in Current Research, Part B, Geological Survey of Canada Paper 861-B, pp. 245-256.

Klassen, R.W.

1986: Surficial geology of north-central Manitoba; Geological Survey of Canada, Memoir 419, 57 p, plus maps.

Manitoba Energy and Mines

1986: Bedrock Geology Compilation Map Series, NTS 64B - Uhlman Lake, 1:250,000.

1986: Bedrock Geology Compilation Map Series, NTS 64C - Granville Lake, 1:250,000.

Maurice, Y.T.

1984: Interpretation of data from Nonacho Lake - East arm of Great Slave Lake region, District of Mackenzie; Geological Survey of Canada, Paper 84-12, 17p.

McRitchie, W.D.

1988: Alkaline intrusions of the Churchill Province, Eden Lake (NTS 64C/9) and Brezden Lake (NTS 64C/4); in Manitoba Energy and Mines, Report of Field Activities, 1988, pp 5-7.

Nielsen, E. and Graham, D.C.

1985: Preliminary results of till petrographical and till geochemical studies at Farley Lake, Manitoba; Manitoba Energy and Mines, Open File Report OF85-3, 62p.

Parbery, D., and Fedikow, M.A.F.

1987: Investigation of Agassiz Metallotect stratigraphy; in Manitoba Energy and Mines, Report of Field Activities, 1987, pp 12-16.

Peck, D.C.

1985: Geological investigations at Cartwright Lake, Manitoba; in Manitoba Energy and Mines, Report of Field Activities, 1985, pp 37-40.

Pinsent, R.H.

1980: Nickel-copper mineralization in the Lynn Lake Gabbro; Manitoba Energy and Mines, Economic Geology Report, ER79-3, 138p.

Richardson, D.J., and Ostry, G.

1987: Gold deposits of Manitoba; Manitoba and Energy and Mines, Economic Geology Report ER86-1, 91p.

Schmitt, H.R.

1989: A preliminary report on the distribution of gold in lake sediments and surficial materials at Foster Lake, Manitoba; in Current Research, Part C, Geological Survey of Canada, Paper 89-1C, pp 255-262.

Thomas, D.J., and Watters, B.R.

1987: The Star Lake Pluton and its gold mineralization - an overview; in Economic Minerals of Saskatchewan, C.F. Gilboy and L.W. Vigrass (eds), Saskatchewan Geological Society Special Publication 8, pp 54-57.

Wright, D.F., Bonham-Carter, G.F., and Rogers, P.J.
1988: Spatial data integration of lake sediment geochemistry, geology and gold occurrences, Meguma Terrane, eastern Nova Scotia; in Prospecting in Areas of Glaciated Terrain - 1988, D.R. MacDonald and K.R. Mills (eds), Canadian Institute of Mining and Metallurgy, Proceedings of a Symposium in Halifax, 1988, p 504-515.

Yaychuk, D.
1987: The geology and mineralization of the Mallard Lake gold property, northern Saskatchewan; in Economic Minerals of Saskatchewan, C.F. Gilboy and L.W. Vigrass (eds), Saskatchewan Geological Society Special Publication 8, pp 58-65.

Zwanzig, H.V., Parker, J.S.D., Schledewitz, D.C.P., and Van Schmus, W.R.
1985: Lynn Lake regional compilation and geochronology;in Report of Field Activities, 1985; Manitoba Energy and Mines, p 6-8.

APPENDIX 1

ANALYTICAL PROCEDURES

LAKE SEDIMENTS:

Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe, Cd, and As

For the determination of Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe, Cd, and As a 1 gram sample was reacted with 6 mL of a mixture of 4 M HNO_3 and M HCl in a test-tube overnight at room temperature. After digestion, the test-tube was 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 was then diluted to 20 mL with metal free water and mixed. Zn, Cu, Pb, Ni, Co, Ag, Mn, Fe and Cd were determined by atomic absorption spectroscopy using an air-acetylene flame. Background corrections were made for Pb, Ni, Co, Ag and Cd.
Detection levels for Zn, Cu, Pb, Ni, and Co = 1 ppm.
Detection level for Ag = 0.2ppm.

Arsenic was determined by atomic absorption using a hydride evolution method wherein the hydride (AsH_3) 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.

Mo and V

Molybdenum and vanadium were determined by atomic absorption spectroscopy using a nitrous oxide acetylene flame. A 0.5 gram sample was reacted with 1.5 mL concentrated HNO_3 at 90°C for 30 minutes. At this point 0.5 mL concentrated HCl was added and the digestion was continued at 90°C for an additional 90 minutes. After cooling, 8 mL of 1250 ppm Al solution were added and the sample solution was diluted to 10 mL before aspiration.
Detection limit = Mo 2 ppm; V 5 ppm.

Hg

Mercury was determined by the Hatch and Ott Procedure with some modifications. The method is described by Jonasson et al. (1973). A 0.5 gram sample was reacted with 20 mL concentrated HNO_3 and 1 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 were cooled and diluted to 100 mL with metal free water. The Hg present was reduced to the elemental state by the addition of 10 mL 10% w/v $SnSO_4$ in M $H2SO_4$. 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 were made at 253.7 nm. Detection limit = 10 ppb.

LOI

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

U

Uranium was 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^{12} 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_3 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.

F

Fluorine was 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 =20 ppm.

Sb

Antimony was determined in lake sediments as described by Aslin (1976). A 500 mg sample is placed in a test tube; 3 mL

concentrated HNO_3 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.

W

Tungsten was determined as follows: A 0.2 g sample of lake sediment was fused with 1 g $K_2S_2O_7$ in a rimless test tube at 575°C for 15 minutes in a furnace. The cooled melt was then leached with 10 mL concentrated HCl in a water bath heated to 85°C. After the soluble material had completely dissolved, dthe insoluble material was allowed to settle and an aliquot of 5 mL was transferred to another test tube. 5 mL of 20% $SnCl_2$ solution were then added to the sample aliquot, mixed and heated for 10 minutes at 85°C in a hot water bath. A 1 mL aliquot of dithiol solution (1% dithiol in iso-amyl acetate) was added to the test solution and the test solution was then heated for 4 - 6 hours at 80 - 85°C in a hot water bath. The test solution was then removed from the hot water bath, cooled and 2.5 mL of kerosene added to dissolve the globule. The colour intensity of the kerosene solution was measured at 630 nm using a spectrophotometer. The method is described by Quin and Brooks (1972). Detection level = 2 ppm.

Ba

Barium was determined as follows: A 0.25g sample was heated with 5 mL concentrated HF, 5 mL concentrated $HClO_4$ and 2 mL concentrated HNO_3. To fumes of $HClO_4$, 3 mL of concentrated $HClO_4$ were added and heated to light fumes; 5 mL of water were added and the solution was transferred to a calibrated test tube and diluted to 25 mL with water. barium was determined by DCP emission spectroscopy. Detection level = 40 ppm.

Sn

Tin was determined as follows: A 200 mg sample was heated with NH_4I; the sublined SnI_4 was dissolved in acid and the tin determined by atomic absorption spectrometry. Detection level = 1 ppm.

Au

Gold was usually determined on a 10 g lake sediment sample; depending on the amount of sample available, lesser weights were sometimes used. This resulted in a variable detection limit: 2

ppb for a 5 g sample, 1 ppb for a 10 g sample . . . The sample was fused to produce a lead button, collecting any gold in the sample, which was cupelled in a muffle furnace to produce a silver (dore) bead. The silver beads were irradiated in a neutron flux for one hour, cooled for four hours, and counted by gamma ray spectrometry. Calibration was carried out using standard and blank beads.

LAKE WATERS:

pH

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

F

Fluoride in lake water samples was determined using a fluoride electrode. Prior to measurement an aliquot of the sample was 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.

U

Uranium in waters was 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 was used. Further, there have been instances at the GSC where the reaction of uranium with fluran is either delayed or sluggish; for this reason an arbitrary 24 hour time delay between the addition of the fluran and the actual reading was incorporated into this method. In practice 500 mL of fluran solution were added to a 5 mL sample and allowed to stand for 24 hours. At the end of this period fluorescence readings were made with the

addition of 0.0, 0.2 and 0.4 ppb U. For high samples the additions were 0.0, 2.0 and 4.0 (20 mL aliquots of either 55 or 550 ppb U were used). All readings were taken against a sample blank. Detection limit = .05 ppb.

Alkalinity

Alkalinity in waters was determined by titrating a 25 mL aliquot of the sample with 0.02 N $H2SO_4$ using a Corning combination electrode and a Corning model 135 pH meter. The end point was pH 4.5. Detection level = 2 ppm.

Ca, Mg, As, Ba, Hg, Mn, Na, Pb, and Sr

Ca, Mg, As, Ba, Hg, Mn, Na, Pb,and Sr in waters were determined by inductively coupled plasma emission spectroscopy (ICP). An aliquot from the sample bottle was transferred to a separate container and aspirated directly into the ICP spectrometer (Instrumentation Laboratory model 200). The instrument was calibrated with aqueous standards. Detection level = Ca 0.2 ppm; Mg 0.02 ppm; As 0.05 ppm; Ba 0.1 ppm; Hg 0.01 ppm; Mn 0.01 ppm; Na 1 ppm; Pb 0.05 ppm; Sr 0.01 ppm.

APPENDIX 2

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 fluviatile 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.

APPENDIX 3

FIELD DATA DESCRIPTIONS

The following list presents sample field record definitions and text codes where applicable.

RECORD	DEFINITION	CODE
MAP	NTS lettered quadrangle	
SAMPLE ID	Year	19XX
	Field Crew	1,3,5,7,9
	Sample sequence number	001-999
UTM	Universal Transverse Mercator coordinate system; digitized location	
ZN	Zone	7-22
EASTING	in metres	XXXXXX
NORTHING	in metres	XXXXXXX
ROCK TYPE	Major rock type of lake catchment area, see geology map for legend	X to XXXX
AGE	Stratigraphic age of rock type	XX
LAKE AREA	Pond, 1/4 to 1 sq. km, 1 to 5 sq km., >5 sq km.	
LAKE DEPTH	metres	
REP STAT	Replicate status, relationship of sample to others in the sequence; routine field sample first of field duplicate second of field duplicate	 00 10 20

RELIEF	Relief of the catchment basin;	
	low	lw
	medium	md
	high	hi
CONT	Sample contamination;	
	none	-
	work	wo
	camp	ca
	fuel	fu
	gossan	go
SAMPLE COLOUR	Sediment sample colour, up to 2 colours may be chosen;	
	tan	tn
	yellow	yl
	green	gn
	grey	gy
	brown	br
	black	bk
SUSP MATL	Suspended matter in water;	
	none	-
	heavy	hvy
	light	lgt

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064B	841210	14	466482	6289124	T	02	00	>5	6	Md		Gy	Lgt	GLLO
064B	841211	14	461578	6280684	G	02	00	>5	10	Md		Gy	Lgt	GLLO
064B	841212	14	460726	6277291	T	02	00	pond	2	Md		Br		GLLO
064B	841213	14	461286	6273434	Q	64	00	pond	3	Md		Br		ORG
064B	841214	14	457974	6271993	Q	64	00	.25-1	1	Md		Br		GLLN
064B	841215	14	450700	6294000	Q	64	00	1-5	2	Md		Gy	Hvy	GLLO
064B	841231	14	446651	6274973	T	02	00	1-5	2	Md		Tn		TILL
064B	841232	14	448693	6279459	G	02	00	.25-1	2	Md		Tn		TILL
064B	841233	14	450720	6283773	G	02	00	.25-1	3	Md		Gy		TILL
064B	841234	14	452188	6287604	GC	02	00	1-5	13	Md		Gy		GLLO
064B	841235	14	450370	6291070	Q	64	00	>5	7	Md		Gy	Lgt	GLLO
064B	841236	14	454296	6292764	T	02	00	pond	3	Md		Br		GLLO
064B	841359	14	446758	6272968	LBD	02	00	1-5	4	Md		Gy		TILL
064B	841360	14	451626	6279079	G	02	00	.25-1	2	Md		Br		TILL
064B	841362	14	455082	6283324	G	02	00	.25-1	2	Md		Br		TILL
064B	841363	14	453974	6287556	G	02	10	.25-1	3	Md		Tn		GLLO
064B	841364	14	453974	6287556	G	02	20	.25-1	3	Md		Tn		GLLO
064B	841365	14	454070	6290539	T	02	00	pond	2	Md		Br		GLLO
064B	841366	14	458299	6294018	T	02	00	.25-1	5	Md		Tn		GLLO
064B	841371	14	466030	6292476	T	02	00	>5	10	Md		Gy	Lgt	GLLO
064B	841372	14	469074	6293361	GC	02	00	>5	10	Md		Gy	Lgt	GLLO
064B	841425	14	459660	6269637	RVf	02	00	pond	4	Md		Br		GLLO
064B	841426	14	454712	6268547	LBD	02	00	1-5	3	Md		Gy		TILL
064B	841427	14	448790	6269321	GA	02	00	>5	9	Md		Gy		TILL
064B	843002	14	441584	6315010	T	02	00	.25-1	4	Lw		Br		GLLO
064B	843003	14	443152	6314793	T	02	10	1-5	4	Md		Gy		TILL
064B	843004	14	443152	6314793	T	02	20	1-5	4	Md		Gy		TILL
064B	843006	14	440527	6312929	T	02	00	1-5	3	Lw		Gy		GLLO
064B	843007	14	441895	6307675	WVr	02	00	.25-1	2	Md		Br		GLLO
064B	843008	14	441783	6303935	GB	02	00	1-5	6	Md		Gy		ORG
064B	843009	14	440117	6301958	GC	02	00	.25-1	2	Md		Br		GLLO
064B	843010	14	439184	6298668	GC	02	00	1-5	4	Md		Gy		GLLO
064B	843011	14	445222	6296072	GC	02	00	.25-1	2	Md		Br		GLLO
064B	843012	14	444800	6292500	Q	64	00	.25-1	2	Md		Gy		GLF
064B	843013	14	444161	6290257	Q	64	00	1-5	6	Md		Gy		GLLO
064B	843014	14	439125	6290282	GB	02	00	pond	4	Md		Gn		TILL
064B	843015	14	441075	6286191	G	02	00	.25-1	12	Md		GnGy		TILL
064B	843016	14	440069	6283162	G	02	00	.25-1	2	Md		Br		TILL
064B	843017	14	440827	6280818	G	02	00	.25-1	2	Lw		Br		TILL
064B	843018	14	440339	6276522	G	02	00	.25-1	3	Md		Br	Lgt	TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064B	841210	40	12	3	14	11	<	1350	3.0	<	1.60	32	2.6	2.7	330	25	<	<	ns	ns	ns	-	-	<	10.0	7	10.0
064B	841211	140	32	14	48	25	<	1450	2.0	<	5.00	42	8.6	7.7	920	75	<	<	ns	ns	ns	-	-	1	10.0	<	10.0
064B	841212	120	25	5	33	16	<	315	1.0	2	3.40	58	24.0	4.3	560	55	<	<	ns	ns	ns	-	-	<	10.0	7	10.0
064B	841213	130	34	13	37	18	<	575	2.0	2	4.10	79	23.0	5.0	620	60	<	<	ns	ns	ns	-	-	<	10.0	8	10.0
064B	841214	120	32	11	40	15	<	440	2.0	2	3.70	58	25.2	3.9	640	60	<	<	ns	ns	ns	-	-	<	10.0	8	10.0
064B	841215	150	34	12	47	22	<	685	3.0	2	5.10	79	17.0	8.3	800	75	<	<	ns	ns	ns	-	-	-	-	7	10.0
064B	841231	140	38	11	46	14	<	445	3.0	<	3.90	69	23.0	15.5	720	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841232	130	35	8	45	12	<	450	2.0	<	4.80	55	28.0	21.6	560	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841233	140	38	10	49	17	<	445	3.0	<	5.30	62	17.8	22.1	720	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841234	140	39	13	44	17	<	270	4.0	<	4.00	69	14.0	32.9	760	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841235	130	27	14	43	20	<	1150	2.0	<	3.90	26	8.4	6.2	920	60	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	841236	140	27	10	41	13	<	380	2.0	<	4.40	39	25.0	5.0	680	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841359	160	37	11	51	20	<	565	2.0	<	4.85	53	15.8	14.0	760	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841360	160	31	7	40	14	<	355	1.0	<	3.95	58	32.6	14.0	600	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841362	145	33	6	40	15	<	400	1.0	<	3.40	49	33.8	13.2	520	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841363	160	38	11	47	20	<	495	2.0	<	4.90	43	16.8	16.4	800	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841364	155	38	10	50	20	<	505	2.0	<	4.80	43	17.8	17.6	800	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841365	150	35	9	43	16	<	380	2.0	<	3.80	76	32.2	12.4	640	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064B	841366	185	38	14	45	18	<	460	3.0	<	4.70	59	24.0	7.2	720	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841371	145	35	17	53	29	<	1300	3.0	<	4.90	41	8.4	6.4	800	65	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	841372	155	30	14	50	24	<	1650	3.0	<	5.30	41	8.6	7.6	920	65	<	<	ns	ns	ns	-	-	-	10.0	<	10.0
064B	841425	135	26	7	37	16	<	405	2.0	2	3.30	53	35.4	3.6	560	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841426	135	36	12	45	20	<	435	2.0	2	4.30	47	20.6	4.5	880	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	841427	93	24	10	35	25	<	2650	6.0	2	4.20	33	5.2	4.9	680	50	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	843002	165	25	9	41	21	<	825	2.0	<	4.60	67	13.8	4.2	700	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843003	140	32	8	45	21	<	620	2.0	<	4.45	66	12.0	4.6	880	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843004	150	33	8	44	21	<	625	2.0	<	4.40	60	11.6	4.0	800	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843006	155	28	9	45	18	<	645	2.0	<	4.60	56	15.8	6.0	680	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843007	130	26	8	41	13	<	540	1.0	<	3.50	50	21.4	4.1	720	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843008	145	32	12	50	22	<	1550	2.0	<	5.80	62	12.8	7.4	800	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843009	110	30	5	38	14	<	370	1.0	<	2.70	69	34.2	4.1	600	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843010	135	41	7	44	14	<	470	1.0	<	4.20	62	21.2	22.7	700	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843011	140	34	12	47	17	<	510	2.0	<	4.70	62	19.0	9.9	720	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843012	140	37	10	47	17	<	515	1.0	<	4.60	31	18.2	3.8	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843013	130	25	12	42	20	<	1570	1.0	<	4.80	44	8.2	6.3	760	55	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	843014	72	15	3	20	9	<	500	1.0	<	2.10	35	5.4	4.1	520	25	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	843015	125	34	9	44	19	<	690	2.0	2	4.70	59	14.2	16.4	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843016	115	25	3	30	10	<	220	1.0	<	2.00	47	38.2	35.4	420	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843017	140	18	<	14	7	<	155	<	2	.62	29	65.0	8.5	120	20	.2	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843018	135	32	7	41	15	<	395	1.0	2	3.70	53	21.4	14.9	720	55	<	<	ns	ns	ns	-	-	-	-	<	10.0

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064B	841210	0.05	82	7.2	8.39	3.03	29.5	ns	ns	ns	ns	ns	ns	ns
064B	841211	<	86	7.1	8.13	3.04	28.1	ns	ns	ns	ns	ns	ns	ns
064B	841212	<	66	7.2	16.70	6.18	48.7	ns	ns	ns	ns	ns	ns	ns
064B	841213	0.15	180	7.2	72.50	7.17	52.6	ns	ns	ns	ns	ns	ns	ns
064B	841214	0.19	160	7.3	70.60	7.35	44.6	ns	ns	ns	ns	ns	ns	ns
064B	841215	<	70	7.0	9.26	3.17	34.0	ns	ns	ns	ns	ns	ns	ns
064B	841231	0.13	140	7.0	11.40	4.60	53.5	ns	ns	ns	ns	ns	ns	ns
064B	841232	0.18	380	6.9	8.14	3.10	30.4	ns	ns	ns	ns	ns	ns	ns
064B	841233	0.53	150	7.3	17.70	5.54	62.2	ns	ns	ns	ns	ns	ns	ns
064B	841234	1.2	140	7.2	16.30	5.51	58.5	ns	ns	ns	ns	ns	ns	ns
064B	841235	<	66	7.0	8.42	2.66	29.2	ns	ns	ns	ns	ns	ns	ns
064B	841236	<	56	7.0	10.52	4.21	39.7	ns	ns	ns	ns	ns	ns	ns
064B	841359	0.31	150	6.9	12.70	4.65	46.1	ns	ns	ns	ns	ns	ns	ns
064B	841360	1.9	370	7.5	22.00	8.10	83.0	ns	ns	ns	ns	ns	ns	ns
064B	841362	0.1	130	7.0	5.90	4.00	32.7	ns	ns	ns	ns	ns	ns	ns
064B	841363	0.17	52	6.6	5.50	2.10	18.8	ns	ns	ns	ns	ns	ns	ns
064B	841364	0.15	50	6.6	5.37	2.08	18.6	ns	ns	ns	ns	ns	ns	ns
064B	841365	<	54	6.8	9.28	3.53	32.4	ns	ns	ns	ns	ns	ns	ns
064B	841366	0.06	50	6.9	12.20	4.20	45.4	ns	ns	ns	ns	ns	ns	ns
064B	841371	<	82	7.0	7.52	2.77	31.8	ns	ns	ns	ns	ns	ns	ns
064B	841372	<	80	7.0	8.53	3.10	30.0	ns	ns	ns	ns	ns	ns	ns
064B	841425	<	52	7.0	11.80	5.51	52.0	ns	ns	ns	ns	ns	ns	ns
064B	841426	<	60	7.2	12.20	4.83	42.7	ns	ns	ns	ns	ns	ns	ns
064B	841427	0.05	90	7.1	7.60	3.05	28.8	ns	ns	ns	ns	ns	ns	ns
064B	843002	0.1	46	6.9	11.00	2.50	31.6	ns	ns	ns	ns	ns	ns	ns
064B	843003	0.05	50	7.0	12.00	3.50	36.7	ns	ns	ns	ns	ns	ns	ns
064B	843004	<	62	7.1	12.00	3.50	34.9	ns	ns	ns	ns	ns	ns	ns
064B	843006	<	46	7.1	11.50	3.50	34.3	ns	ns	ns	ns	ns	ns	ns
064B	843007	<	56	7.2	14.00	4.00	41.4	ns	ns	ns	ns	ns	ns	ns
064B	843008	0.05	48	7.0	11.00	3.00	36.1	ns	ns	ns	ns	ns	ns	ns
064B	843009	<	56	6.9	9.50	3.00	32.5	ns	ns	ns	ns	ns	ns	ns
064B	843010	0.09	74	7.0	10.00	3.00	34.2	ns	ns	ns	ns	ns	ns	ns
064B	843011	0.05	72	7.0	12.00	4.00	38.4	ns	ns	ns	ns	ns	ns	ns
064B	843012	<	52	6.7	6.50	2.50	21.0	ns	ns	ns	ns	ns	ns	ns
064B	843013	<	58	6.9	8.50	2.50	25.0	ns	ns	ns	ns	ns	ns	ns
064B	843014	<	56	6.8	6.50	2.00	21.2	ns	ns	ns	ns	ns	ns	ns
064B	843015	0.43	200	7.3	15.00	4.00	46.9	ns	ns	ns	ns	ns	ns	ns
064B	843016	0.46	250	7.0	11.00	3.50	51.0	ns	ns	ns	ns	ns	ns	ns
064B	843017	<	80	6.4	4.50	1.50	14.0	ns	ns	ns	ns	ns	ns	ns
064B	843018	0.2	180	7.1	13.50	4.50	43.6	ns	ns	ns	ns	ns	ns	ns

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064B	843019	14	440852	6271025	T	02	00	.25-1	2	Lw		Br		TILL
064B	843114	14	446609	6266352	GA	02	00	pond	3	Lw		Br		ROCK
064B	843115	14	448769	6262341	GA	02	00	.25-1	2	Lw		Br		TILL
064B	843116	14	452515	6261983	GA	02	00	pond	4	Lw		Br		TILL
064B	843117	14	454649	6262719	GA	02	00	>5	6	Md		Gy		TILL
064B	843118	14	458000	6262747	GA	02	00	.25-1	5	Md		Br		GLLO
064B	843222	14	441999	6265385	GA	02	00	>5	5	Lw		Gn		TILL
064B	843223	14	456078	6264069	GA	02	10	.25-1	3	Md		Br		TILL
064B	843224	14	456078	6264069	GA	02	20	.25-1	3	Md		Br		TILL
064B	843225	14	460660	6263935	GA	02	00	pond	3	Lw		Br		TILL
064B	843226	14	468667	6267990	Q	64	00	.25-1	2	Lw		Br		GLLO
064B	843227	14	466788	6269235	Q	64	00	.25-1	3	Lw		Br		GLLO
064B	843228	14	467162	6273506	T	02	00	pond	2	Lw		Br		GLLO
064B	843229	14	467102	6276237	T	02	00	pond	2	Lw		Br	Lgt	GLLO
064B	843230	14	465991	6279280	N	02	00	>5	7	Md		Gn		GLLO
064B	843232	14	468399	6285479	WA	02	00	>5	7	Md		Gy		ORG
064B	843307	14	444624	6277493	T	02	00	.25-1	2	Lw		Br		TILL
064B	843308	14	443927	6279169	G	02	00	1-5	5	Md		Gy		TILL
064B	843309	14	447735	6286916	G	02	00	.25-1	3	Md		Br		TILL
064B	843310	14	446947	6290336	T	02	00	1-5	7	Md		Gy		TILL
064B	843311	14	447716	6294253	Q	64	00	1-5	2	Md		Br		TILL
064B	843312	14	448449	6298309	GC	02	00	.25-1	4	Lw		Gn		GLLO
064B	843313	14	447111	6300509	GC	02	00	>5	3	Md		Gy		GLLO
064B	843314	14	444358	6299996	GC	02	00	.25-1	2	Lw		Br		GLLO
064B	843316	14	445373	6303260	Q	64	00	1-5	2	Md		Gy		ORG
064B	843317	14	445200	6307099	Q	64	00	1-5	2	Lw		Br		TILL
064B	843318	14	443916	6312925	T	02	00	1-5	2	Md		Br		TILL
064B	843319	14	447695	6315525	T	02	00	.25-1	8	Md		Br		TILL
064B	843320	14	448160	6312694	T	02	00	pond	3	Lw		Br		TILL
064B	843322	14	448313	6309771	T	02	00	1-5	12	Md		Gy		TILL
064B	843325	14	447230	6304274	T	02	10	.25-1	2	Md		Br		TILL
064B	843326	14	447230	6304274	T	02	20	.25-1	2	Md		Br		TILL
064B	843328	14	450982	6298519	GC	02	00	1-5	2	Md		Gy		GLLO
064B	843331	14	450943	6312060	T	02	00	1-5	6	Hi		Gy		TILL
064B	843335	14	455627	6309463	GC	02	00	>5	6	Md		Gy		GLLO
064B	843439	14	459833	6291676	GC	02	00	1-5	5	Hi		Gy		GLLO
064B	843444	14	462291	6289564	T	02	00	>5	8	Md		Gy		GLLO
064B	843445	14	457401	6286597	G	02	00	>5	4	Md		Gy		TILL
064B	843446	14	458774	6284607	WA	02	00	1-5	5	Md		Gy		ROCK
064B	843447	14	459984	6279381	G	02	10	.25-1	4	Md		Br		GLLO

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Analytical Data

Varient:		Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
Units:		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
Detection Limit:		2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
Analytical Method:		AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064B	843019	110	14	<	11	4	<	180	<	<	.49	47	79.6	1.7	120	15	.2	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843114	140	40	12	46	15	<	380	4.0	2	5.10	40	12.6	15.4	700	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843115	110	27	3	24	5	<	230	1.0	2	1.30	46	58.8	5.8	190	15	.2	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843116	125	9	<	12	3	<	135	<	<	.31	35	78.8	.4	40	5	.2	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843117	120	31	11	43	17	<	610	3.0	<	4.10	46	12.0	6.4	680	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843118	125	32	10	44	13	<	430	2.0	<	4.10	58	22.4	4.7	680	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843222	45	9	5	14	8	<	410	1.0	<	1.50	33	3.2	3.4	500	20	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	843223	130	35	11	46	17	<	525	2.0	<	4.40	50	21.2	8.4	720	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843224	130	36	12	45	15	<	490	2.0	<	4.00	67	22.0	8.1	700	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843225	120	30	8	42	14	<	375	2.0	2	4.00	50	23.0	4.7	680	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843226	99	16	5	31	10	<	250	1.0	<	1.77	58	41.8	2.3	290	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843227	91	25	7	34	12	<	275	1.0	<	2.80	58	41.6	3.8	440	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843228	130	28	9	44	14	<	345	2.0	<	3.80	58	26.0	6.4	660	50	<	<	ns	ns	ns	-	-	<	10.0	3	10.0
064B	843229	115	33	9	38	15	<	450	6.0	<	6.20	42	18.4	5.1	680	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843230	135	32	17	56	27	<	1210	3.0	<	5.00	24	7.2	7.1	840	70	.2	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843232	97	23	11	34	16	<	785	2.0	<	3.60	31	7.8	6.5	720	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843307	76	19	8	39	12	<	245	1.0	<	2.80	51	19.2	13.2	800	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843308	77	19	9	39	11	<	345	1.0	<	3.00	51	19.8	18.6	840	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843309	61	19	6	31	8	<	245	2.0	<	2.20	57	10.4	18.5	520	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843310	51	12	6	21	9	<	630	1.0	2	2.40	34	41.6	4.2	640	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843311	115	36	9	44	15	<	430	2.0	<	4.30	43	23.2	5.2	640	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843312	130	34	11	45	19	<	530	2.0	<	4.90	43	13.6	4.7	840	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843313	140	33	14	51	21	<	745	3.0	<	5.50	61	12.8	8.0	840	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843314	125	31	9	40	14	<	350	2.0	<	4.00	52	21.0	19.5	740	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843316	120	29	12	40	17	<	695	3.0	<	4.70	78	12.2	8.2	760	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843317	97	19	6	32	9	<	270	1.0	<	2.50	70	34.8	3.2	420	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843318	91	29	7	33	11	<	305	2.0	<	3.00	70	34.0	5.3	560	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843319	70	20	5	23	9	<	435	1.0	<	2.80	70	17.4	6.6	460	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843320	84	31	<	23	11	<	205	<	<	.72	65	58.6	2.7	80	15	.2	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843322	120	37	11	48	17	<	635	2.0	<	4.80	51	13.6	9.4	660	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843325	92	27	8	36	11	<	310	1.0	<	2.70	65	30.8	3.6	520	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843326	88	29	7	36	12	<	310	1.0	<	2.60	65	31.8	3.6	500	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843328	145	34	12	50	20	<	730	3.0	<	5.00	87	15.8	9.0	840	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843331	140	33	9	46	19	.2	800	2.0	<	5.00	52	16.0	7.4	800	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843335	125	40	12	47	17	.4	460	2.0	<	4.60	52	14.6	5.2	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843439	140	34	12	46	18	<	455	2.0	<	4.90	40	12.8	29.0	800	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843444	150	27	15	45	20	<	1230	3.0	<	5.20	33	8.4	9.4	880	70	<	<	ns	ns	ns	-	-	1	10.0	<	10.0
064B	843445	140	35	12	45	17	<	500	3.0	<	4.70	40	14.4	20.0	800	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843446	140	29	12	43	18	<	435	2.0	<	4.80	38	10.4	8.3	800	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843447	170	39	9	38	14	<	375	3.0	<	4.80	38	29.6	3.3	680	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064B	843019	<	22	5.7	1.00	0.50	5.8	ns	ns	ns	ns	ns	ns	ns
064B	843114	0.14	98	7.0	15.00	3.50	44.1	ns	ns	ns	ns	ns	ns	ns
064B	843115	0.08	82	7.2	18.00	4.00	65.1	ns	ns	ns	ns	ns	ns	ns
064B	843116	<	46	6.8	8.50	2.00	27.3	ns	ns	ns	ns	ns	ns	ns
064B	843117	<	50	7.1	15.50	3.50	48.9	ns	ns	ns	ns	ns	ns	ns
064B	843118	<	62	7.1	14.50	3.50	53.4	ns	ns	ns	ns	ns	ns	ns
064B	843222	<	86	7.0	7.50	2.50	26.9	ns	ns	ns	ns	ns	ns	ns
064B	843223	0.07	70	7.3	15.50	5.00	53.8	ns	ns	ns	ns	ns	ns	ns
064B	843224	0.07	72	7.4	15.00	5.00	56.1	ns	ns	ns	ns	ns	ns	ns
064B	843225	<	82	7.3	12.00	5.00	48.7	ns	ns	ns	ns	ns	ns	ns
064B	843226	<	42	6.9	8.50	3.50	39.4	ns	ns	ns	ns	ns	ns	ns
064B	843227	<	74	7.2	13.50	5.00	43.0	ns	ns	ns	ns	ns	ns	ns
064B	843228	<	78	7.3	14.00	5.50	59.3	ns	ns	ns	ns	ns	ns	ns
064B	843229	<	54	7.2	17.00	3.50	38.8	ns	ns	ns	ns	ns	ns	ns
064B	843230	<	90	7.2	9.00	2.50	29.1	ns	ns	ns	ns	ns	ns	ns
064B	843232	<	82	7.1	7.50	2.50	16.2	ns	ns	ns	ns	ns	ns	ns
064B	843307	0.15	150	7.1	12.50	4.50	40.6	ns	ns	ns	ns	ns	ns	ns
064B	843308	0.57	160	7.3	16.00	4.50	53.6	ns	ns	ns	ns	ns	ns	ns
064B	843309	0.1	140	7.3	13.50	4.00	46.6	ns	ns	ns	ns	ns	ns	ns
064B	843310	<	66	7.1	8.00	2.50	26.2	ns	ns	ns	ns	ns	ns	ns
064B	843311	0.08	78	7.2	13.00	4.00	45.4	ns	ns	ns	ns	ns	ns	ns
064B	843312	<	68	7.0	10.00	3.00	29.8	ns	ns	ns	ns	ns	ns	ns
064B	843313	<	70	7.0	10.50	3.00	33.9	ns	ns	ns	ns	ns	ns	ns
064B	843314	0.35	100	7.3	17.50	5.50	56.4	ns	ns	ns	ns	ns	ns	ns
064B	843316	<	66	7.0	10.50	3.00	33.3	ns	ns	ns	ns	ns	ns	ns
064B	843317	<	86	7.4	13.00	5.50	48.3	ns	ns	ns	ns	ns	ns	ns
064B	843318	<	72	7.4	11.00	3.50	37.2	ns	ns	ns	ns	ns	ns	ns
064B	843319	0.24	86	7.8	30.50	7.50	93.0	ns	ns	ns	ns	ns	ns	ns
064B	843320	<	50	6.5	4.00	1.00	11.3	ns	ns	ns	ns	ns	ns	ns
064B	843322	<	56	7.1	10.50	3.00	36.7	ns	ns	ns	ns	ns	ns	ns
064B	843325	<	68	6.9	8.00	3.00	27.0	ns	ns	ns	ns	ns	ns	ns
064B	843326	<	64	6.9	8.00	3.00	30.0	ns	ns	ns	ns	ns	ns	ns
064B	843328	<	64	7.1	12.00	3.50	37.0	ns	ns	ns	ns	ns	ns	ns
064B	843331	<	58	7.1	11.00	3.50	46.1	ns	ns	ns	ns	ns	ns	ns
064B	843335	<	56	6.9	11.00	3.00	35.1	ns	ns	ns	ns	ns	ns	ns
064B	843439	0.1	88	7.1	9.00	3.00	42.1	ns	ns	ns	ns	ns	ns	ns
064B	843444	<	86	7.3	8.00	2.50	31.2	ns	ns	ns	ns	ns	ns	ns
064B	843445	0.05	86	7.2	9.00	2.50	33.7	ns	ns	ns	ns	ns	ns	ns
064B	843446	<	88	7.2	8.00	2.50	32.0	ns	ns	ns	ns	ns	ns	ns
064B	843447	<	64	6.9	6.50	2.00	24.2	ns	ns	ns	ns	ns	ns	ns

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Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064B	843448	14	459984	6279381	G	02	20	.25-1	4	Md		Br		GLLO
064B	843449	14	455121	6280390	G	02	00	>5	9	Md		Gy		TILL
064B	843451	14	450952	6275683	T	02	00	>5	7	Md		Gy		TILL
064B	843452	14	456108	6275204	SC	02	00	>5	7	Md		Gy		GLLO
064B	843453	14	458462	6274768	Q	64	00	.25-1	1	Md		Br		GLLO
064B	843454	14	462689	6269325	Q	64	00	>5	3	Md		Gy		GLLO
064B	871002	14	454609	6270066	RVf	02	00	.25-1	1	Lw		Br		TILL
064B	871003	14	456235	6268267	RVf	02	00	1-5	1	Lw		GyBr		GLLO
064B	871004	14	456942	6269515	LRC	02	00	.25-1	2	Md		TnBr		GLLO
064B	871005	14	457648	6271057	Q	64	00	.25-1	4	Md		GyBr		GLLO
064B	871006	14	459591	6268427	LRC	02	00	1-5	1	Md		GnGy		GLLO
064B	871007	14	460487	6267319	LRC	02	00	pond	1	Md		GnBr	Lgt	GLLO
064B	871008	14	466151	6267959	Q	64	00	pond	2	Lw		Br	Lgt	GLLO
064B	871010	14	464251	6269187	Q	64	00	1-5	1	Lw		GnGy		GLLO
064B	871011	14	464250	6270614	LRW	02	00	1-5	2	Lw		GnGy		GLNN
064B	871012	14	464477	6272510	Q	64	00	pond	6	Lw		GyBr	Lgt	GLLO
064B	871013	14	465437	6273399	Q	64	00	pond	1	Md		Br		GLNN
064B	871014	14	466145	6276001	T	02	00	pond	2	Md		GyBr		GLLO
064B	871015	14	463621	6273436	Q	64	00	pond	1	Md		Br	Lgt	GLLO
064B	871016	14	462317	6272768	Q	64	00	pond	1	Md		GyBr		GLLO
064B	871017	14	458181	6271774	Q	64	10	1-5	1	Md		GyBr		GLLO
064B	871018	14	458181	6271774	Q	64	20	*						GLLO
064B	871019	14	457116	6272816	Q	64	00	pond	3	Md		Br		GLLO
064B	871020	14	456400	6273401	Q	64	00	pond	2	Lw		GyBr		GLLO
064B	871022	14	458317	6274440	Q	64	00	.25-1	1	Lw		Br		ORG
064B	871023	14	459807	6274144	Q	64	00	pond	3	Lw		GnGy		GLLO
064B	871024	14	461066	6274695	Q	64	00	pond	3	Lw		GyBr		TILL
064B	871025	14	462693	6277425	LRW	02	00	pond	2	Md		GyBr		TILL
064B	871026	14	460062	6282642	T	02	00	>5	5	Md		Gy		GLLO
064B	871027	14	459625	6281281	G	02	00	>5	7	Md		Gy		GLLO
064B	871028	14	459172	6279916	G	02	00	>5	6	Md		Gy		GLLO
064B	871030	14	457737	6279669	G	02	00	pond	2	Md		Gy		GLLO
064B	871031	14	456533	6282032	G	02	00	pond	2	Md		Br		GLLO
064B	871032	14	454643	6279707	G	02	00	>5	10	Md		Gy		TILL
064B	871033	14	454153	6278303	G	02	00	pond	1	Md		GyBr	Lgt	TILL
064B	871034	14	453275	6281278	G	02	00	1-5	1	Md		GnGy	Lgt	TILL
064B	871035	14	452768	6280080	G	02	00	1-5	3	Md		TnGy		TILL
064B	871036	14	452110	6280738	G	02	00	.25-1	1	Md		GyBr	Lgt	TILL
064B	871037	14	451947	6280114	G	02	10	.25-1	3	Md		GnGy		TILL
064B	871038	14	451945	6280107	G	02	20	*		*				TILL

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Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064B	843448	150	36	10	38	14	<	365	3.0	<	5.00	50	29.8	3.0	700	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843449	140	39	14	45	19	<	880	3.0	<	5.20	31	11.2	15.4	800	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843451	140	27	14	42	21	<	1190	2.0	<	4.50	25	7.2	7.2	760	65	<	<	ns	ns	ns	-	-	2	10.0	<	10.0
064B	843452	110	23	10	33	16	<	895	3.0	<	3.80	38	7.8	5.2	700	50	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064B	843453	85	26	6	26	9	<	210	2.0	<	1.81	69	46.4	2.7	400	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064B	843454	150	28	11	42	16	<	480	3.0	<	4.50	50	14.6	5.4	700	60	<	<	ns	ns	ns	-	-	-	-	1	10.0
064B	871002	117	30	11	29	8	<	204	2.0	<	3.41	45	33.8	4.7	450	33	<	<	2	461	1	<	10.0	-	-	<2	5.00
064B	871003	132	27	10	26	9	<	217	2.0	<	3.96	35	25.0	4.1	440	50	<	<	2	555	2	2	10.0	1	-	<2	5.00
064B	871004	122	30	12	35	12	<	274	2.0	<	4.40	30	23.6	3.3	460	52	<	<	2	653	1	<	10.0	-	-	<	10.0
064B	871005	133	25	6	26	7	<	150	2.0	2	2.95	50	46.2	3.8	380	21	<	<	2	473	1	1	10.0	-	-	<	10.0
064B	871006	137	33	15	42	15	<	162	2.0	<	4.29	35	17.6	4.7	265	53	<	<	2	669	2	<	10.0	-	-	<2	5.00
064B	871007	118	23	10	28	11	<	293	2.0	<	4.15	35	26.8	5.6	490	40	<	<	2	578	<	3	7.50	-	-	<	10.0
064B	871008	116	22	9	27	8	<	244	2.0	<	3.33	35	32.4	5.1	425	24	<	<	2	493	<	<	10.0	-	-	1	10.0
064B	871010	156	29	14	43	13	<	327	3.0	<	4.16	55	19.6	5.3	590	49	<	<	2	590	1	<	10.0	-	-	-	-
064B	871011	146	35	16	45	16	<	339	4.0	<	3.72	35	15.6	4.9	575	49	<	<	2	630	2	<	10.0	2	-	<	10.0
064B	871012	123	41	15	42	13	<	281	3.0	<	3.84	35	21.4	8.9	500	38	<	<	2	645	2	<	10.0	-	-	<2	5.00
064B	871013	144	22	8	32	12	<	188	1.0	<	3.11	40	37.6	3.9	410	15	<	<	2	378	4	<	10.0	-	-	<	10.0
064B	871014	121	32	11	31	11	0.2	225	3.0	<	3.60	35	26.2	6.2	590	32	<	<	2	663	1	<4	2.50	-	-	<2	5.00
064B	871015	119	31	12	36	12	<	215	2.0	<	4.15	35	21.4	7.5	400	34	<	<	2	663	2	<	10.0	-	-	<	10.0
064B	871016	120	28	11	33	12	<	207	2.0	<	3.88	40	26.2	7.6	540	32	<	<	2	569	2	<	10.0	-	-	<	10.0
064B	871017	123	27	12	34	11	<	255	2.0	<	4.18	30	25.2	4.6	570	39	<	<	2	606	2	<	10.0	-	-	<	2.50
064B	871018	134	34	15	39	12	<	332	2.0	<	4.08	40	23.8	4.8	550	56	<	<	2	619	1	<	10.0	-	-	-	-
064B	871019	126	36	12	28	8	<	207	2.0	<	3.11	55	27.0	4.3	580	38	<	<	2	619	1	<	10.0	-	-	<2	5.00
064B	871020	134	34	12	34	11	<	248	2.0	<	3.87	30	21.8	5.1	600	48	<	<	2	628	3	<	10.0	-	-	<2	5.00
064B	871022	101	23	6	20	6	<	134	2.0	<	2.05	60	49.0	3.3	345	24	<	<	2	356	2	<	10.0	-	-	<2	5.00
064B	871023	131	34	13	36	13	<	313	2.0	<	4.10	35	22.2	4.2	515	52	<	<	2	575	2	<	10.0	-	-	<	10.0
064B	871024	101	38	14	36	11	<	242	3.0	2	3.43	35	23.2	7.3	610	48	<	<	2	619	3	<	10.0	-	-	<	2.50
064B	871025	197	45	13	54	14	<	267	3.0	<	4.11	40	24.8	6.0	520	45	0.5	<	2	567	6	<	10.0	-	-	<	10.0
064B	871026	127	33	18	42	17	<	637	4.0	<	3.62	35	10.4	6.5	640	58	<	0.2	2	675	5	<	10.0	7	-	1	10.0
064B	871027	160	31	19	48	18	<	706	3.0	<	4.41	35	10.0	10.2	505	69	<	0.2	2	782	3	<	10.0	4	-	<	10.0
064B	871028	158	33	19	48	18	<	553	3.0	<	4.19	50	8.6	11.3	515	69	<	0.2	2	751	2	<	10.0	2	-	1	10.0
064B	871030	149	42	15	43	13	<	270	3.0	<	3.45	50	14.0	11.4	525	52	<	0.2	2	757	1	8	5.00	-	-	<2	5.00
064B	871031	134	32	11	37	12	<	228	2.0	<	3.89	35	19.4	8.2	515	46	<	0.2	2	677	1	<	10.0	-	-	<2	5.00
064B	871032	147	44	19	51	18	<	490	3.0	<	4.08	35	11.6	15.7	500	61	<	0.2	2	787	2	<2	5.00	-	-	<	10.0
064B	871033	163	22	5	34	9	<	181	1.0	<	3.64	40	45.2	2.1	360	21	<	<	2	447	<	<	10.0	-	-	<2	5.00
064B	871034	102	28	11	36	10	<	211	2.0	<	4.38	40	22.4	39.9	620	56	<	0.2	2	630	1	<	10.0	-	-	3	2.50
064B	871035	132	38	15	42	14	<	297	2.0	<	4.05	30	9.0	4.4	635	61	<	0.2	2	660	3	<	10.0	-	-	-	-
064B	871036	127	34	11	30	9	<	251	1.0	<	3.52	40	43.4	16.5	350	36	<	0.2	2	482	<	<	10.0	-	-	6	5.00
064B	871037	133	42	13	31	12	<	308	2.0	<	3.87	30	36.2	2.7	405	48	<	0.2	2	576	<	<	10.0	-	-	3	5.00
064B	871038	144	42	14	33	12	<	336	2.0	<	3.97	30	30.8	3.0	390	54	<	0.2	2	636	1	<	10.0	-	-	5	5.00

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064B	843448	<	62	7.0	6.50	2.00	25.1	ns	ns	ns	ns	ns	ns	ns
064B	843449	0.58	200	7.6	18.00	4.50	63.6	ns	ns	ns	ns	ns	ns	ns
064B	843451	<	90	7.2	7.00	2.50	43.4	ns	ns	ns	ns	ns	ns	ns
064B	843452	<	88	7.1	7.50	2.50	29.0	ns	ns	ns	ns	ns	ns	ns
064B	843453	0.06	150	7.1	46.00	7.00	42.2	ns	ns	ns	ns	ns	ns	ns
064B	843454	0.37	200	8.7	145.0	7.00	38.6	ns	ns	ns	ns	ns	ns	ns
064B	871002	<	60	6.5	8.5	3.9	37	<	0.01	<	1	<	0.02	<
064B	871003	<	50	6.4	8.0	3.5	36	0.05	<	<	1	<	0.01	<
064B	871004	<	50	6.4	7.0	2.8	29	<	<	<	<	<	0.01	<
064B	871005	<	50	6.5	9.0	3.6	38	0.05	<	<	1	<	0.02	<
064B	871006	<	80	6.5	30	5.1	46	<	<	<	2	<	0.05	<
064B	871007	<	50	6.6	12.5	5.4	51	<	<	<	1	<	0.03	<
064B	871008	<	50	6.5	9.0	3.8	38	0.05	<	<	1	<	0.01	<
064B	871010	<	160	6.5	83	6.2	41	<	<	<	3	<	0.12	<
064B	871011	<	140	6.5	63	5.6	42	<	<	<	3	<	0.09	<
064B	871012	<	50	6.4	6.5	3.1	20	<	<	<	<	<	0.01	<
064B	871013	<	70	6.8	13.0	4.8	44	<	<	<	1	<	0.02	<
064B	871014	<	50	6.4	7.5	3.8	35	<	<	<	1	<	0.02	<
064B	871015	0.09	70	6.6	19.5	5.9	60	<	<	<	1	<	0.03	<
064B	871016	<	70	6.6	15.0	5.1	49	<	<	<	1	<	0.03	<
064B	871017	<	120	6.5	50	5.2	46	<	0.02	<	2	<	0.07	<
064B	871018	<	120	6.6	50	5.2	46	<	<	<	2	<	0.07	<
064B	871019	<	60	6.5	7.0	4.0	32	<	<	<	1	<	0.01	<
064B	871020	<	60	6.6	13.0	5.9	59	0.05	<	<	2	<	0.03	<
064B	871022	<	120	6.4	43	5.1	43	<	<	<	2	<	0.07	<
064B	871023	0.17	120	6.5	46	5.1	48	<	<	<	2	<	0.07	<
064B	871024	<	120	6.5	48	5.1	48	0.05	<	<	2	<	0.07	<
064B	871025	<	80	6.6	15.5	5.7	50	<	<	<	2	<	0.03	<
064B	871026	0.06	80	6.5	8.0	3.0	36	<	<	<	1	<	0.02	<
064B	871027	<	80	6.4	7.0	2.9	33	<	<	<	1	<	0.02	<
064B	871028	0.05	80	6.4	7.0	2.9	34	<	<	<	1	<	0.02	<
064B	871030	0.15	90	6.4	8.0	2.8	29	0.05	<	<	<	<	0.01	<
064B	871031	<	80	6.6	13.5	4.3	52	0.05	<	<	1	<	0.02	<
064B	871032	0.64	140	6.6	14.5	4.6	61	<	<	<	1	<	0.02	<
064B	871033	<	70	6.2	4.5	1.8	17	0.05	0.01	<	<	<	0.01	<
064B	871034	2.40	270	6.6	14.5	5.8	65	<	<	<	2	<	0.03	<
064B	871035	0.07	110	6.6	14.5	4.5	54	<	<	<	1	<	0.02	<
064B	871036	<	110	6.4	6.5	2.7	30	<	<	<	<	<	0.01	<
064B	871037	<	60	6.2	3.5	1.4	19	<	<	<	<	<	<	<
064B	871038	<	60	6.2	3.5	1.4	19	0.05	<	<	<	<	<	<

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064B	871039	14	451436	6281292	G	02	00	.25-1	1	Md		GnGy		GLF
064B	871040	14	451185	6280515	G	02	00	.25-1	4	Md		YlBr		TILL
064B	871042	14	450377	6281208	G	02	00	1-5	5	Md		TnGy		GLF
064B	871043	14	450113	6279881	G	02	00	1-5	6	Md		TnGy		GLF
064B	871044	14	448642	6280862	G	02	00	.25-1	2	Md		Br	Lgt	TILL
064B	871045	14	446328	6278785	T	02	00	pond	1	Md		Gy	Lgt	TILL
064B	871046	14	447427	6278516	G	02	00	.25-1	3	Md		Br		TILL
064B	871047	14	450204	6278538	G	02	00	.25-1	5	Md		GnGy		GLF
064B	871048	14	449421	6275915	T	02	00	.25-1	4	Md		Br		GLF
064B	871049	14	439487	6277227	G	02	00	.25-1	5	Hi		Gy		GLF
064B	871050	14	439701	6277997	G	02	00	.25-1	3	Hi		Gy		TILL
064B	871051	14	438992	6278287	G	02	00	pond	2	Hi		Br		TILL
064B	871052	14	439589	6282214	G	02	00	.25-1	6	Hi		Gy		ROCK
064B	871053	14	449370	6282944	T	02	00	pond	1	Md		Br		GLF
064B	871054	14	450067	6283268	T	02	00	.25-1	6	Md		Gy	Lgt	TILL
064B	871056	14	450817	6282698	T	02	00	.25-1	2	Md		Br		TILL
064B	871057	14	452716	6284099	G	02	10	pond	2	Md		Br		TILL
064B	871058	14	452716	6284099	G	02	20	*		*				TILL
064B	871059	14	453680	6283780	G	02	00	pond	2	Md		Gy		TILL
064B	871060	14	453945	6284282	WA	02	00	pond	1	Md		Gy		TILL
064B	871062	14	455915	6286926	G	02	00	1-5	3	Md		Br		TILL
064B	871063	14	453328	6287339	G	02	00	pond	2	Md		Br		TILL
064B	871064	14	452435	6286124	G	02	00	1-5	4	Md		Gy		TILL
064B	871065	14	451164	6286928	G	02	00	pond	3	Md		GnGy		TILL
064B	871066	14	452243	6289173	T	02	00	.25-1	2	Md		Br		GLLO
064B	871067	14	452744	6289788	T	02	00	pond	1	Md		Br		GLLO
064B	871068	14	454230	6290268	T	02	00	pond	1	Md		GnGy		TILL
064B	871069	14	449107	6292132	Q	64	00	pond	1	Md		Br		GLLO
064B	871070	14	447165	6292231	Q	64	10	.25-1	2	Md		Br		GLLO
064B	871071	14	447165	6292231	Q	64	20	*		*				GLLO
064B	871072	14	448652	6293705	Q	64	00	1-5	1	Md		GnGy		TILL
064B	871073	14	448680	6295002	Q	64	00	.25-1	2	Md		Br		TILL
064B	871075	14	450382	6295195	T	02	00	pond	2	Md		Br		GLLO
064B	871076	14	448880	6296193	GC	02	00	pond	1	Md		Br		GLLO
064B	871077	14	447713	6296115	GC	02	00	pond	5	Md		Br		GLLO
064B	871078	14	448468	6298519	GC	02	00	.25-1	3	Md		Br		GLLO
064B	871079	14	446722	6298999	GC	02	00	1-5	2	Md		Br		GLLO
064B	871080	14	444930	6302021	GC	02	00	>5	2	Md		Br		GLLO
064B	871082	14	447366	6304009	T	02	00	.25-1	1	Md		Br	##	TILL
064B	871083	14	446042	6304982	Q	64	00	pond	1	Md		Gy	##	TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

		Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
		Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
		Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
		Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064B	871039		125	40	14	37	12	<	295	2.0	<	4.12	35	30.6	12.1	470	56	<	0.2	2	594	1	<	10.0	-	-	-	-
064B	871040		148	45	19	51	18	<	461	3.0	<	4.34	25	12.4	3.5	405	68	<	0.2	2	732	3	<	10.0	2	-	6	2.50
064B	871042		139	40	18	42	15	<	463	3.0	<	3.79	30	12.6	14.8	415	58	<	0.2	2	642	1	<	10.0	2	-	3	5.00
064B	871043		126	36	16	42	16	<	499	3.0	<	4.10	30	11.6	16.3	440	59	<	0.2	2	660	4	<	10.0	4	-	3	5.00
064B	871044		122	33	12	36	10	<	223	2.0	<	3.97	40	25.2	23.9	440	51	<	0.2	2	596	<	<	10.0	-	-	2	10.0
064B	871045		124	50	17	39	14	<	300	3.0	<	3.34	50	17.2	19.3	600	55	<	0.2	2	639	2	<	10.0	-	-	3	5.00
064B	871046		150	37	13	34	11	<	218	2.0	<	3.88	70	23.4	19.8	505	48	<	0.2	2	633	6	<	10.0	-	-	6	5.00
064B	871047		127	37	14	33	12	<	290	3.0	<	4.12	45	26.6	12.5	465	53	<	0.2	2	704	<	<	10.0	-	-	3	5.00
064B	871048		171	35	11	33	10	<	226	2.0	<	3.54	65	25.8	2.5	385	41	<	0.2	2	615	<	<2	5.00	-	-	4	5.00
064B	871049		141	32	14	35	12	<	288	3.0	<	4.15	70	20.0	38.7	490	54	<	0.2	2	611	1	2	10.0	-	-	7	2.50
064B	871050		148	32	14	39	15	<	365	3.0	<	3.82	35	18.2	39.7	565	54	<	0.2	2	608	2	<	10.0	-	-	7	2.50
064B	871051		136	24	5	20	5	<	96	1.0	<	1.68	55	34.8	77.8	265	14	<	<	2	265	2	<	10.0	-	-	<2	5.00
064B	871052		150	29	12	32	12	<	387	2.0	<	3.71	75	20.1	33.2	430	47	<	0.2	2	505	1	<	10.0	-	-	6	2.50
064B	871053		93	28	6	20	5	<	167	1.0	<	2.08	80	13.0	3.7	320	15	0.2	<	2	441	<	<2	5.00	-	-	3	5.00
064B	871054		153	37	15	44	16	<	492	2.0	<	4.19	35	21.0	13.1	515	57	<	0.2	2	762	2	<	10.0	-	-	3	5.00
064B	871056		144	37	13	38	11	<	284	2.0	3	3.94	40	37.4	19.0	565	50	<	0.2	2	520	4	<	10.0	-	-	3	5.00
064B	871057		98	33	8	25	7	<	214	2.0	<	3.41	60	38.8	18.0	415	31	<	0.2	2	483	2	<4	2.50	-	-	<2	5.00
064B	871058		99	32	8	23	6	<	197	2.0	<	3.34	65	39.0	40.3	405	27	<	<	2	471	1	<	10.0	-	-	2	5.00
064B	871059		136	36	13	39	13	<	263	2.0	<	3.28	35	12.6	6.7	565	49	<	0.2	2	707	1	<	10.0	4	-	<	10.0
064B	871060		135	43	16	40	14	0.2	532	2.0	<	4.49	75	22.6	35.0	540	53	<	0.2	2	597	3	<	10.0	-	-	3	10.0
064B	871062		136	39	13	40	10	<	275	2.0	<	4.11	45	27.2	59.4	490	51	<	0.2	2	630	2	<	10.0	-	-	2	10.0
064B	871063		150	36	15	44	13	<	270	3.0	<	3.93	40	14.8	31.8	430	54	<	0.2	2	712	2	<	10.0	5	-	2	5.00
064B	871064		163	45	21	50	18	<	589	5.0	<	4.45	40	12.0	30.8	605	64	<	0.2	2	696	2	<4	2.50	-	-	3	5.00
064B	871065		124	34	14	39	12	<	244	2.0	<	3.53	35	14.0	14.5	575	50	<	0.2	2	790	2	<	10.0	5	-	2	5.00
064B	871066		148	26	6	27	6	<	187	1.0	<	3.11	35	47.4	3.0	340	22	<	0.2	2	477	1	<	10.0	-	-	<2	5.00
064B	871067		ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	<	10.0	-	-	2	10.0
064B	871068		125	26	11	32	10	<	187	2.0	<	4.10	30	18.8	14.5	525	53	<	0.2	2	733	1	<2	5.00	-	-	3	10.0
064B	871069		117	25	11	31	10	<	308	2.0	<	3.48	45	24.6	4.0	425	42	<	0.2	2	592	3	<	10.0	-	-	-	-
064B	871070		144	28	13	32	10	<	464	2.0	<	4.07	35	34.6	4.0	380	45	<	0.2	2	576	4	<	10.0	-	-	3	5.00
064B	871071		139	28	11	34	10	<	456	2.0	<	3.92	35	33.8	3.8	400	49	<	<	2	652	2	<	10.0	-	-	5	5.00
064B	871072		137	33	16	41	11	<	296	2.0	<	4.00	45	27.8	6.0	390	57	<	0.2	2	595	4	<	10.0	-	-	2	5.00
064B	871073		106	36	10	30	8	<	234	2.0	<	3.53	35	45.2	5.7	335	31	<	0.2	2	496	4	<	10.0	-	-	2	10.0
064B	871075		169	36	12	35	9	<	230	2.0	<	3.90	45	26.2	3.8	415	48	<	0.2	2	627	3	<	10.0	-	-	<2	5.00
064B	871076		119	29	12	35	9	<	266	2.0	3	3.69	35	26.8	7.9	390	45	<	<	2	522	3	<	10.0	-	-	3	5.00
064B	871077		179	39	13	34	11	<	254	2.0	<	4.64	60	24.2	3.7	380	59	<	<	2	761	4	<	10.0	-	-	3	5.00
064B	871078		131	35	12	37	10	<	297	2.0	<	4.18	35	26.6	5.2	435	54	<	0.2	2	653	4	<	10.0	-	-	3	5.00
064B	871079		165	32	16	48	15	<	446	2.0	<	4.24	35	12.0	9.1	575	65	<	0.2	2	738	6	<	10.0	17	-	<2	5.00
064B	871080		147	32	17	45	14	<	499	3.0	<	3.87	45	14.0	9.0	620	60	<	0.2	2	666	4	<	10.0	2	-	7	5.00
064B	871082		129	29	14	34	8	<	238	1.0	<	3.37	60	29.4	3.4	365	42	<	0.2	2	518	4	<	10.0	-	-	2	10.0
064B	871083		151	30	17	38	13	<	362	2.0	<	3.78	45	19.2	7.1	485	47	<	0.2	2	630	3	<	10.0	-	-	4	5.00

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064B	871039	0.07	100	7.0	8.0	3.1	35	0.05	<	<	<	<	0.01	<
064B	871040	<	60	6.2	4.0	1.4	20	<	<	<	<	<	<	<
064B	871042	0.31	160	6.5	11.5	4.1	51	<	0.01	<	1	<	0.02	<
064B	871043	0.31	160	6.5	11.5	4.1	50	0.05	<	<	1	<	0.02	<
064B	871044	0.15	130	6.3	5.5	2.0	25	0.05	<	<	<	<	0.01	<
064B	871045	<	210	6.5	14.5	4.8	57	<	<	<	1	<	0.02	<
064B	871046	<	160	6.4	6.0	2.8	28	<	<	<	1	<	0.01	<
064B	871047	0.07	110	6.3	5.0	2.1	24	0.05	<	<	<	<	0.01	<
064B	871048	<	50	6.1	2.0	1.3	11	0.05	<	<	<	<	<	<
064B	871049	0.76	140	6.5	12.0	4.0	49	<	0.01	<	1	<	0.02	<
064B	871050	0.68	140	6.6	12.5	4.2	51	<	0.02	<	1	<	0.02	<
064B	871051	0.95	180	6.5	9.0	3.9	43	<	<	<	1	<	0.02	<
064B	871052	0.64	110	6.4	7.0	2.7	31	<	0.01	<	<	<	0.01	<
064B	871053	<	60	6.3	4.5	2.1	18	<	0.01	<	<	<	0.01	<
064B	871054	0.69	100	6.7	17.0	5.3	67	<	<	<	1	<	0.03	<
064B	871056	0.43	110	6.7	18.5	5.8	72	<	<	<	1	<	0.03	<
064B	871057	0.11	100	6.6	12.0	4.4	51	0.05	<	<	1	<	0.02	<
064B	871058	0.11	100	6.5	12.0	4.4	51	<	<	<	1	<	0.02	<
064B	871059	<	60	6.3	6.0	2.0	22	0.05	<	<	<	<	0.01	<
064B	871060	1.70	110	6.7	21	6.9	82	<	0.01	<	2	<	0.04	<
064B	871062	0.36	70	6.5	9.0	3.1	41	<	<	<	1	<	0.02	<
064B	871063	0.37	60	6.4	5.5	2.3	24	<	<	<	<	<	0.01	<
064B	871064	1.30	90	6.6	14.0	4.8	57	<	<	<	1	<	0.03	<
064B	871065	1.20	180	6.7	15.0	5.5	61	<	<	<	1	<	0.03	<
064B	871066	<	60	6.0	6.5	2.4	16	<	0.01	0.02	<	<	0.02	<
064B	871067	<	60	6.4	9.0	3.3	35	<	<	<	1	<	0.01	<
064B	871068	0.44	90	6.4	11.5	4.6	46	<	<	<	1	<	0.03	<
064B	871069	<	50	6.3	6.0	3.9	31	<	<	<	1	<	0.01	<
064B	871070	<	40	6.3	6.5	2.6	29	<	<	<	<	<	0.01	<
064B	871071	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064B	871072	0.10	50	6.3	8.5	3.5	36	0.05	<	<	1	<	0.02	<
064B	871073	<	50	6.5	10.5	3.8	43	<	<	<	1	<	0.02	<
064B	871075	<	70	6.4	7.5	3.3	34	<	<	<	1	0.10	0.01	<
064B	871076	<	70	6.4	6.5	3.2	30	<	<	<	1	<	0.01	<
064B	871077	<	60	6.3	4.5	2.0	19	<	<	<	<	<	0.01	<
064B	871078	<	50	6.3	6.0	2.4	25	<	0.01	<	<	<	0.01	<
064B	871079	0.09	40	6.4	9.0	2.9	34	<	0.01	<	<	<	0.01	<
064B	871080	<	40	6.4	8.0	2.8	32	<	<	<	<	<	0.01	<
064B	871082	<	50	6.3	6.0	2.5	25	<	<	<	<	<	0.01	<
064B	871083	0.22	50	6.6	14.5	6.3	62	0.05	<	<	2	<	0.04	<

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064B	871084	14				02"	9m	*					##	
064B	871085	14	446740	6307056	Q	64	00	.25-1	2	Md		Br	##	TILL
064B	871086	14	445514	6306864	Q	64	00	.25-1	1	Md		Br		TILL
064B	871087	14	444396	6304046	Q	64	00	pond	0	Md		GyBr		ORG
064B	871088	14	443825	6300374	GC	02	00	pond	3	Md		GnGy		GLF
064B	871089	14	444551	6298293	GC	02	00	pond	4	Md				GLF
064B	871090	14	445137	6296932	GC	02	00	pond	2	Md		GyBr		GLLO
064B	871091	14	446419	6296781	GC	02	00	pond	2	Md		GyBr		GLLO
064B	871092	14	445844	6293950	Q	64	00	pond	2	Lw		Br		GLLO
064B	871093	14	444895	6293672	Q	64	00	pond	2	Lw		Br		GLLO
064B	871094	14	444744	6293062	Q	64	00	.25-1	2	Md		GnGy		GLF
064B	871095	14	445117	6292575	Q	64	00	.25-1	1	Md		Gy		GLF
064B	871096	14	449048	6288186	GC	02	10	.25-1	2	Md		GnGy		TILL
064B	871097	14	449047	6288181	GC	02	20	*		*				TILL
064B	871098	14	450067	6285302	G	02	00	pond	4	Md		Br		ROCK
064B	871099	14	448586	6285510	G	02	00	pond	2	Md		Br		TILL
064B	871100	14	447555	6285251	G	02	00	.25-1	3	Md		GnGy		GLF
064B	871102	14	445527	6284100	T	02	00	pond	1	Md		Br		TILL
064B	871103	14	444103	6281919	G	02	00	pond	1	Md		GnBr		TILL
064B	871104	14	442317	6280134	G	02	00	.25-1	5	Md		GnBr		TILL
064B	871106	14	441059	6280490	G	02	00	.25-1	2	Md		Br		TILL
064B	871107	14	441588	6282265	G	02	00	pond	1	Lw		Br		TILL
064B	871108	14	441703	6284946	G	02	00	pond	1	Md		Br		TILL
064B	871109	14	443988	6285778	G	02	00	pond	6	Md		Br		TILL
064B	871110	14	445731	6286854	G	02	00	pond	1	Md		GnBr		GLF
064B	871111	14	445111	6287834	G	02	00	pond	1	Md		Gy		GLF
064B	871112	14	442317	6287783	G	02	00	pond	1	Md		Gy		TILL
064B	871113	14	441742	6288082	G	02	00	pond	4	Md		Gy		GLLO
064B	871114	14	442391	6289090	G	02	00	pond	3	Md		Br		GLLO
064B	871115	14	441321	6290487	GB	02	00	pond	1	Md		GyBr		GLLO
064B	871116	14	442392	6291792	T	02	00	>5	7	Md		Gy		GLLO
064B	871117	14	442841	6293660	T	02	00	pond	1	Md		GnGy		GLLO
064B	871118	14	443685	6293968	Q	64	00	pond	1	Md		Br		GLLO
064B	871119	14	443732	6294952	WVr	02	10	pond	1	Md		Br		GLF
064B	871120	14	443732	6294952	WVr	02	20	*						GLF
064B	871122	14	443829	6295484	WVr	02	00	pond	2	Md		Gy		GLF
064B	871123	14	444050	6295935	GC	02	00	pond	3	Md		GnGy		GLF
064B	871124	14	443165	6296065	GC	02	00	pond	1	Md		Gy		GLLO
064B	871125	14	442595	6296424	GC	02	00	.25-1	1	Md		Gy		GLF
064B	871126	14	442483	6297851	GC	02	10	.25-1	7	Md		Br		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064B	871084	69	19	8	18	3	<	169	2.0	2	2.16	75	38.4	5.7	220	18	0.2	<	2	466	4	<	10.0	-	-	-	-
064B	871085	147	24	12	35	10	<	265	1.0	<	3.63	40	25.2	3.5	435	42	<	0.2	2	548	3	<	10.0	-	-	1	10.0
064B	871086	134	22	9	27	7	<	217	1.0	<	2.79	40	32.8	3.7	305	33	<	<	2	420	3	<	10.0	-	-	-	-
064B	871087	112	27	11	31	9	<	223	2.0	<	3.45	35	24.2	9.7	440	45	<	0.2	2	528	5	<	10.0	-	-	3	5.00
064B	871088	136	36	14	43	12	<	310	3.0	<	3.81	40	14.6	8.6	430	61	<	0.2	2	694	4	<4	2.50	-	-	2	10.0
064B	871089	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	-	-	-	-	-	-
064B	871090	127	31	11	31	6	<	143	2.0	<	3.28	40	30.4	2.8	360	44	<	0.2	2	577	3	<	10.0	-	-	3	5.00
064B	871091	127	35	15	36	11	<	288	2.0	<	3.15	35	15.8	15.5	500	56	<	0.2	2	743	3	<2	5.00	-	-	3	10.0
064B	871092	128	20	5	23	4	<	172	1.0	<	2.29	40	47.2	2.2	215	20	<	0.2	2	352	3	<	10.0	-	-	-	-
064B	871093	116	22	7	24	6	<	215	1.0	<	3.41	40	44.4	2.0	265	14	<	<	2	430	3	<4	2.50	-	-	4	5.00
064B	871094	152	38	17	43	14	<	320	3.0	<	4.09	35	17.8	3.8	475	66	<	0.2	2	694	3	<	10.0	-	-	2	5.00
064B	871095	147	35	17	46	13	<	323	2.0	<	3.77	35	18.8	3.7	410	65	<	0.2	2	671	3	<	10.0	-	-	<2	5.00
064B	871096	134	37	13	39	11	<	213	1.0	2	3.62	45	25.2	21.5	435	45	<	0.2	2	608	5	<	10.0	-	-	<2	5.00
064B	871097	145	34	11	36	10	<	213	1.0	<	3.67	50	24.6	21.4	495	48	<	0.2	2	604	5	<	10.0	-	-	-	-
064B	871098	108	28	8	23	5	<	278	2.0	<	2.67	70	53.8	53.1	330	16	0.2	0.2	2	423	4	<	10.0	<	-	2	10.0
064B	871099	148	17	6	26	7	<	193	1.0	<	1.84	40	50.8	2.1	195	16	0.3	0.2	2	307	3	<	10.0	3	-	<2	5.00
064B	871100	149	37	11	38	12	<	257	1.0	<	3.97	30	33.4	9.3	375	59	<	<	2	584	3	<	10.0	-	-	2	10.0
064B	871102	98	46	8	25	6	<	169	1.0	2	2.45	105	36.0	35.5	315	21	0.5	<	2	492	4	<	10.0	-	-	3	5.00
064B	871103	199	29	10	22	7	<	325	1.0	<	3.60	75	42.2	25.6	375	38	0.3	<	2	430	5	<	10.0	-	-	8	2.50
064B	871104	134	34	11	32	11	<	286	1.0	<	3.71	55	24.2	33.4	475	49	<	<	2	559	1	<	5.00	-	-	6	5.00
064B	871106	150	12	4	12	4	<	96	<	<	0.97	40	63.8	10.3	130	13	0.4	<	2	139	<	<	10.0	2	-	5	2.50
064B	871107	143	25	11	29	9	<	280	1.0	<	3.26	35	31.8	20.8	425	32	<	<	2	488	3	<4	2.50	-	-	4	5.00
064B	871108	110	36	10	27	7	<	219	3.0	<	3.10	40	28.6	58.6	440	37	<	0.2	2	583	5	<	10.0	-	-	4	5.00
064B	871109	128	34	13	29	10	<	276	1.0	<	3.80	65	22.8	10.6	455	45	<	<	2	624	3	<	10.0	-	-	4	5.00
064B	871110	120	22	10	29	8	<	216	1.0	<	3.34	35	18.4	5.0	455	42	<	0.2	2	573	3	<	10.0	-	-	<2	5.00
064B	871111	113	26	11	30	11	<	242	1.0	2	3.42	35	17.2	8.0	420	47	<	0.2	2	654	3	<	10.0	-	-	4	5.00
064B	871112	153	32	14	36	12	<	430	2.0	<	3.50	35	15.8	11.7	565	53	<	0.2	2	641	2	<	10.0	13	-	6	2.50
064B	871113	151	33	14	41	12	<	267	2.0	<	3.49	35	17.0	30.2	540	49	<	<	2	649	3	<4	2.50	-	-	-	-
064B	871114	139	26	11	31	9	<	205	1.0	<	3.58	35	20.0	7.7	440	44	<	<	2	550	3	<	10.0	-	-	-	-
064B	871115	217	36	14	34	8	<	218	3.0	2	4.03	75	27.8	11.4	455	49	<	0.3	2	588	4	<	10.0	-	-	-	-
064B	871116	168	31	19	45	17	<	920	2.0	<	4.14	40	9.8	6.5	555	64	<	0.2	2	724	2	<	10.0	<	-	3	10.0
064B	871117	128	32	13	35	11	<	266	2.0	<	3.47	35	18.4	4.5	480	46	<	0.2	2	605	3	4	10.0	-	-	<	2.50
064B	871118	121	30	11	29	8	<	193	1.0	<	3.18	40	26.8	6.7	490	37	<	<	2	543	3	<	10.0	-	-	2	10.0
064B	871119	116	31	8	28	6	<	167	1.0	<	3.06	60	29.0	4.7	385	33	<	<	2	495	2	<	10.0	-	-	1	5.00
064B	871120	105	30	8	28	6	<	159	1.0	<	2.96	55	28.4	4.8	390	35	<	0.2	2	468	3	<4	2.50	-	-	3	5.00
064B	871122	147	32	14	44	12	<	286	2.0	<	3.50	30	12.0	9.0	515	54	<	<	2	760	4	<	10.0	3	-	3	5.00
064B	871123	146	36	14	44	11	<	261	2.0	<	3.79	35	12.0	9.0	560	55	<	<	2	756	1	<	10.0	-	-	<2	5.00
064B	871124	138	34	14	38	10	<	247	2.0	<	3.87	35	23.6	16.1	475	48	<	<	2	684	3	<	10.0	-	-	4	5.00
064B	871125	147	33	15	48	13	<	300	2.0	<	3.57	35	16.4	12.7	545	51	<	<	2	687	3	<2	5.00	-	-	2	10.0
064B	871126	136	34	13	37	10	<	285	2.0	<	4.29	50	29.0	9.4	440	50	<	0.2	2	653	2	<4	2.50	-	-	23	5.00

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C

Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064B	871084	0.19	80	6.5	12.5	2.3	35	0.05	<	<	<	<	0.10	<
064B	871085	<	50	6.5	8.5	3.9	37	0.05	0.01	<	1	<	0.02	<
064B	871086	<	50	6.5	7.0	4.3	35	0.10	<	<	1	<	0.02	<
064B	871087	<	50	6.6	15.5	6.3	64	<	0.01	<	2	<	0.03	<
064B	871088	<	50	6.6	12.5	5.0	54	0.05	0.01	<	1	<	0.02	<
064B	871089	<	40	6.2	3.0	1.5	13	<	0.01	<	<	<	<	<
064B	871090	<	40	6.1	2.0	1.4	11	0.05	0.01	<	<	<	<	<
064B	871091	0.56	70	6.6	16.0	6.0	64	<	<	<	2	<	0.04	<
064B	871092	<	40	6.3	3.5	2.3	19	0.05	<	<	1	<	0.01	<
064B	871093	<	40	6.8	4.0	1.9	20	<	<	<	<	<	0.01	<
064B	871094	<	40	6.7	5.5	2.2	26	<	<	<	<	<	0.01	<
064B	871095	<	40	6.2	5.5	2.2	25	<	0.01	<	<	<	0.01	<
064B	871096	0.34	120	6.4	8.5	3.4	38	<	<	<	1	0.05	0.01	<
064B	871097	0.38	120	6.4	8.5	3.5	38	<	0.02	<	1	<	0.02	<
064B	871098	0.16	80	6.5	14.0	4.0	52	<	0.03	<	1	<	0.02	<
064B	871099	<	50	6.0	2.5	1.2	11	<	0.01	<	<	<	<	<
064B	871100	<	60	6.2	6.0	2.0	26	<	<	<	<	<	0.01	<
064B	871102	0.32	220	6.5	12.0	4.9	53	<	<	<	1	<	0.02	<
064B	871103	<	140	6.2	13.0	4.1	40	0.05	<	<	1	<	0.03	<
064B	871104	0.29	110	6.3	5.0	1.8	23	<	0.01	<	<	<	0.01	<
064B	871106	<	50	6.2	3.0	1.0	14	<	0.02	<	<	<	0.01	<
064B	871107	0.10	90	6.4	7.0	2.7	29	<	<	<	1	<	0.01	<
064B	871108	0.71	110	6.5	14.0	4.8	52	<	<	<	2	<	0.03	<
064B	871109	<	80	6.4	6.5	2.8	27	<	<	<	1	<	0.01	<
064B	871110	<	50	6.1	3.5	1.8	13	<	<	<	1	<	<	<
064B	871111	0.21	80	6.6	18.0	6.5	70	<	<	<	1	<	0.03	<
064B	871112	0.36	110	6.7	19.5	6.3	76	<	<	<	2	<	0.05	<
064B	871113	0.25	70	6.4	8.0	3.0	31	<	<	<	1	<	0.02	<
064B	871114	<	70	6.6	14.0	5.3	57	<	<	<	2	<	0.03	<
064B	871115	<	50	6.4	6.5	3.1	29	<	<	<	1	<	0.01	<
064B	871116	<	40	6.3	5.5	1.9	24	<	<	<	1	<	0.01	<
064B	871117	<	40	6.4	8.5	3.6	34	<	<	<	1	<	0.01	<
064B	871118	<	40	6.4	7.5	3.1	28	<	<	<	1	<	0.01	<
064B	871119	<	40	6.2	4.0	2.2	16	<	<	<	1	<	0.01	<
064B	871120	<	40	6.8	4.0	2.2	16	<	<	<	1	<	0.01	<
064B	871122	0.16	60	6.4	10.0	3.9	39	<	<	<	1	<	0.02	<
064B	871123	0.44	60	6.5	10.5	5.3	48	<	<	<	2	<	0.03	<
064B	871124	0.19	60	6.4	9.5	4.2	40	<	<	<	1	<	0.02	<
064B	871125	0.13	60	6.5	11.5	4.9	47	<	<	<	2	<	0.02	<
064B	871126	0.06	60	6.5	13.5	4.7	52	<	<	<	2	<	0.03	<

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064B	871127	14	442483	6297851	GC	02	20	*		##				TILL
064B	871128	14	441399	6299249	GC	02	00	pond	2	Md		GnBr		GLLO
064B	871129	14	442404	6300828	GC	02	00	1-5	1	Md		Br		GLLO
064B	871130	14	441778	6301447	GC	02	00	1-5	2	Md		GnGy		GLLO
064B	871131	14				02"	9m	*						
064B	871132	14	440447	6299884	GC	02	00	1-5	3	Md		GnGy		GLF
064B	871133	14	429800	6286180	GC	02	00	1-5	6	Md		GnGy		GLF
064B	871134	14	439061	6296429	GC	02	00	.25-1	1	Md		GnGy		GLLO
064B	871135	14	440475	6296015	GC	02	00	pond	3	Md		Br		GLLO

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064B	871127	128	30	12	33	9	<	260	2.0	<	4.17	60	30.0	9.7	510	51	<	0.2	2	608	2	<	10.0	-	-	3	5.00
064B	871128	110	30	10	35	9	<	299	2.0	<	3.73	35	25.6	14.5	415	49	<	<	2	615	4	<	10.0	-	-	2	5.00
064B	871129	120	29	12	39	10	<	223	2.0	<	3.76	35	27.0	22.5	390	46	<	0.2	2	559	4	<	10.0	-	-	3	5.00
064B	871130	134	29	13	36	10	<	253	1.0	<	3.82	65	23.4	8.6	475	43	<	<	2	544	2	<	10.0	-	-	3	5.00
064B	871131	67	18	6	16	4	<	171	2.0	<	2.02	70	38.6	5.7	275	18	0.2	<	2	412	3	<	10.0	-	-	3	5.00
064B	871132	148	38	13	41	11	<	323	2.0	<	4.09	40	22.8	22.3	410	53	<	<	2	623	4	<	10.0	-	-	5	5.00
064B	871133	148	40	13	40	11	<	288	2.0	<	3.90	55	22.8	24.2	500	48	<	<	2	638	4	<	10.0	-	-	5	5.00
064B	871134	137	32	14	38	10	<	217	1.0	<	3.48	50	25.2	10.5	440	46	<	<	2	570	3	<	10.0	-	-	8	10.0
064B	871135	134	35	9	32	7	<	179	1.0	<	3.37	70	29.4	3.4	460	38	<	<	2	498	3	<	10.0	-	-	-	-

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064B	871127	0.06	60	6.5	13.5	4.7	51	<	<	<	2	<	0.03	<
064B	871128	0.21	50	6.4	8.5	3.6	30	<	<	<	1	<	0.01	<
064B	871129	0.14	50	6.4	7.5	3.3	28	<	0.01	<	1	<	0.02	<
064B	871130	0.09	50	6.4	8.5	3.4	33	<	<	<	1	<	0.02	<
064B	871131	0.20	60	6.5	13.5	2.4	36	<	0.01	<	1	<	0.10	<
064B	871132	0.12	60	6.4	9.5	3.4	37	<	<	<	1	<	0.02	<
064B	871133	0.13	50	6.4	9.0	3.3	36	<	<	<	1	<	0.02	<
064B	871134	0.07	40	6.1	4.0	1.6	13	<	<	<	1	<	0.01	<
064B	871135	<	40	6.3	5.5	2.6	18	<	<	<	1	<	0.01	<

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831130	14	404219	6316638	T	02	00	.25-1	6	Lw		GnBn		TILL
064C	831132	14	405615	6317225	T	02	00	>5	17	Lw		GnGy		ROCK
064C	831133	14	409274	6317439	T	02	00	1-5	38	Lw		GnBn		ROCK
064C	831134	14	411380	6316695	T	02	00	1-5	37	Lw		GnGy		GLLO
064C	831135	14	413664	6316823	T	02	00	pond	6	Lw		GnBn	Lgt	ORG
064C	831136	14	416779	6317301	T	02	00	1-5	17	Lw		GnGy		TILL
064C	831137	14	419397	6316306	T	02	00	>5	28	Lw		Gy		TILL
064C	831138	14	422083	6314171	T	02	00	pond	7	Lw		GnBn	Lgt	TILL
064C	831139	14	420446	6314430	T	02	00	.25-1	16	Lw		GnBn		TILL
064C	831140	14	416258	6314792	T	02	00	1-5	6	Lw		GyBn	Lgt	ORG
064C	831142	14	413466	6314088	T	02	00	.25-1	7	Lw		GnBn		ORG
064C	831144	14	411498	6313912	T	02	10	1-5	10	Lw		GnBn		TILL
064C	831145	14	411498	6313912	T	02	20	1-5	10	Lw		GnBn		TILL
064C	831146	14	408616	6314597	T	02	00	.25-1	16	Lw		GnBn		TILL
064C	831147	14	406242	6314255	GB	02	00	1-5	7	Lw		GyBn		GLLO
064C	831173	14	404031	6310074	WW	02	00	pond	6	Lw		GnBn		ORG
064C	831174	14	406701	6311182	WVr	02	00	pond	9	Lw		GnBn		TILL
064C	831175	14	408684	6312248	T	02	00	pond	8	Lw		GnBn		TILL
064C	831176	14	411192	6311574	T	02	00	.25-1	24	Lw		Gn		ORG
064C	831177	14	414021	6311654	T	02	00	pond	7	Lw		Bn		ORG
064C	831178	14	416396	6310991	Q	64	00	pond	5	Lw		GnBn		ORG
064C	831179	14	418469	6311475	Q	64	00	>5	38	Lw		Gy		ORG
064C	831182	14	429505	6316318	T	02	00	>5	11	Lw		GyBn		GLLO
064C	831183	14	431794	6317235	T	02	10	pond	6	Lw		GnBn		GLLO
064C	831184	14	431794	6317235	T	02	20	pond	6	Lw		GnBn		GLLO
064C	831185	14	435394	6316732	T	02	00	pond	11	Lw		GnBn		TILL
064C	831186	14	437420	6315895	T	02	00	pond	10	Lw		GnBn		GLLO
064C	831187	14	437777	6314688	T	02	00	pond	12	Lw		GnGy		GLLO
064C	831188	14	434701	6313388	T	02	00	>5	8	Lw		GnGy		TILL
064C	831189	14	432850	6314138	T	02	00	>5	16	Lw		GnGy		GLLO
064C	831190	14	430898	6313262	T	02	00	pond	5	Lw		Gn		GLLO
064C	831191	14	429400	6311024	WVr	02	00	.25-1	20	Lw		GnGy		TILL
064C	831192	14	432603	6310017	PT	02	00	.25-1	20	Lw		GnBn		TILL
064C	831194	14	434975	6311154	T	02	00	1-5	62	Lw		GnBn		GLLO
064C	831195	14	438660	6309071	WA	02	00	pond	6	Lw		GnBn	Lgt	ORG
064C	831196	14	437779	6309549	WA	02	00	pond	4	Lw		Bn		ORG
064C	831197	14	434318	6307511	PT	02	00	pond	7	Lw		GnBn	Lgt	GLLO
064C	831198	14	432315	6308697	PT	02	00	pond	6	Lw		GnBn		ORG
064C	831199	14	429468	6307638	WVr	02	00	>5	6	Lw		Gy		TILL
064C	831200	14	428231	6309564	PT	02	00	>5	14	Lw		Gy		ROCK

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831130	103	17	3	21	11	<	593	1.0	5	2.85	80	30.8	1.8	350	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831132	46	10	2	13	8	<	510	1.5	4	2.10	40	4.0	2.8	350	25	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831133	155	27	6	33	12	<	585	2.0	2	3.60	90	23.6	3.7	680	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831134	170	29	17	37	16	<	930	2.5	2	4.35	60	21.4	4.7	720	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831135	69	13	2	17	7	<	215	1.0	<	0.95	70	43.8	1.4	330	30	0.2	<	ns	ns	ns	-	-	3	7.5	4	10.0
064C	831136	102	30	8	38	14	<	770	1.5	<	3.15	30	10.0	5.1	740	60	<	.2	ns	ns	ns	-	-	2	10.0	<	10.0
064C	831137	136	32	12	47	18	<	1200	3.5	<	4.05	40	10.0	5.1	900	70	<	.5	ns	ns	ns	-	-	1	10.0	<	10.0
064C	831138	80	27	4	24	11	<	390	1.5	<	1.35	80	53.2	2.0	340	30	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831139	123	37	7	38	14	<	417	2.0	<	3.55	60	26.0	3.2	640	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831140	116	24	8	37	12	<	353	1.5	<	3.05	50	24.2	3.6	750	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831142	57	12	3	16	9	<	283	1.5	<	1.40	30	9.2	2.2	420	30	<	<	ns	ns	ns	-	-	1	10.0	<	10.0
064C	831144	143	19	6	30	12	<	590	2.0	<	2.90	70	31.2	3.4	580	45	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831145	136	18	12	30	12	<	559	1.5	<	2.80	70	30.8	3.5	640	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831146	152	24	7	37	15	<	708	2.0	<	3.55	50	18.6	3.8	750	50	<	<	ns	ns	ns	-	-	-	-	1	10.0
064C	831147	155	24	6	30	18	<	1030	2.5	2	4.70	50	22.2	3.0	560	50	0.2	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831173	70	18	4	23	8	<	442	1.5	2	1.40	40	46.6	3.0	400	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831174	64	18	2	27	9	<	335	1.5	2	1.05	60	55.4	0.9	200	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831175	87	12	2	18	9	<	261	1.5	2	1.05	70	66.2	1.2	190	25	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831176	118	26	5	31	11	<	591	2.0	<	2.60	80	31.0	3.5	590	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831177	98	18	6	27	12	<	470	1.5	2	2.55	50	21.8	3.4	760	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831178	122	22	8	33	12	<	451	1.5	2	2.90	60	30.4	3.4	690	45	<	<	ns	ns	ns	-	-	-	-	2	10.0
064C	831179	124	35	12	42	14	<	560	3.5	<	3.50	30	11.0	5.7	960	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831182	50	20	5	22	8	<	446	2.0	<	2.05	20	3.8	2.7	560	30	<	.2	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831183	103	19	7	29	10	<	340	1.5	<	2.45	60	26.8	3.6	640	40	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831184	100	18	7	30	10	<	330	1.0	<	2.60	60	26.8	3.4	660	35	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831185	62	18	3	19	6	<	230	1.5	2	1.30	90	67.2	2.0	240	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831186	102	19	8	27	9	<	330	1.5	2	2.50	50	33.2	3.5	630	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831187	110	33	8	40	15	<	385	3.5	<	3.40	50	13.8	5.7	940	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831188	120	38	12	47	18	<	425	3.5	2	3.90	40	8.2	5.2	1000	55	<	.2	ns	ns	ns	-	-	<2	5.0	3	10.0
064C	831189	147	29	10	41	16	<	570	2.0	<	3.90	60	14.2	5.0	900	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831190	104	26	6	36	13	<	335	1.5	<	2.80	60	33.6	3.6	710	40	<	<	ns	ns	ns	-	-	-	-	1	10.0
064C	831191	124	49	9	38	14	<	440	2.0	<	3.40	60	14.0	4.3	830	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831192	121	84	3	29	12	<	420	1.0	2	2.20	110	42.4	3.0	380	35	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831194	185	48	7	39	18	<	1050	2.0	2	4.30	80	22.4	4.0	630	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831195	92	22	3	27	11	<	421	1.5	<	1.80	60	49.2	2.7	360	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831196	101	24	4	30	10	<	325	1.5	<	2.20	60	32.6	3.0	520	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831197	76	26	3	22	8	<	523	1.0	2	1.10	90	48.0	2.9	200	25	0.3	.3	ns	ns	ns	-	-	-	-	<	10.0
064C	831198	100	45	4	23	10	<	338	1.0	2	0.70	90	62.8	2.0	200	25	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831199	73	25	8	31	11	<	319	3.5	<	2.30	30	4.4	4.2	480	40	<	<	ns	ns	ns	-	-	<	10.0	9	10.0
064C	831200	84	31	8	33	11	<	374	3.5	<	2.55	30	9.2	4.2	600	45	<	<	ns	ns	ns	-	-	<	10.0	<	10.0

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831130	<	56	7.0	3.58	0.91	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831132	<	52	7.2	3.65	0.90	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831133	<	52	6.7	3.59	1.01	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831134	<	54	7.2	3.73	1.08	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831135	<	52	6.8	2.74	0.91	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831136	<	56	7.3	4.81	1.41	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831137	<	56	7.0	5.00	1.47	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831138	<	60	7.1	7.20	1.47	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831139	<	58	7.2	4.47	1.52	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831140	<	60	7.1	4.37	1.83	15.0	ns	ns	ns	ns	ns	ns	ns
064C	831142	<	48	7.0	2.96	0.93	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831144	<	56	7.0	3.52	0.99	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831145	<	54	7.1	3.53	1.00	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831146	<	58	7.1	3.50	0.98	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831147	<	48	6.8	2.80	0.49	8.0	ns	ns	ns	ns	ns	ns	ns
064C	831173	<	52	6.6	3.88	0.95	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831174	<	48	6.5	4.82	0.66	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831175	<	44	6.4	2.73	0.61	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831176	<	50	6.9	7.75	2.02	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831177	<	60	7.0	7.50	2.30	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831178	<	46	6.7	5.33	2.20	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831179	<	50	7.1	5.22	1.53	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831182	<	36	7.4	5.20	1.50	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831183	<	56	6.5	4.17	1.24	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831184	<	54	6.8	4.16	1.25	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831185	<	56	7.3	7.39	2.45	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831186	<	50	7.4	6.82	2.04	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831187	<	60	7.1	9.40	2.97	31.0	ns	ns	ns	ns	ns	ns	ns
064C	831188	<	56	7.4	5.26	1.63	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831189	<	56	6.3	6.09	1.74	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831190	<	52	7.0	4.73	1.35	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831191	<	54	7.3	6.44	2.08	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831192	<	54	7.1	5.16	1.50	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831194	<	60	7.4	5.58	1.60	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831195	<	56	7.3	6.32	2.01	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831196	<	58	7.2	5.80	1.59	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831197	<	54	6.9	7.10	2.41	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831198	<	52	6.5	3.93	1.12	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831199	<	60	7.2	5.30	1.54	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831200	<	60	7.3	5.06	1.48	20.0	ns	ns	ns	ns	ns	ns	ns

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Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831202	14	418948	6308033	PT	02	10	pond	16	Lw		GnBn		TILL
064C	831203	14	418948	6308033	PT	02	20	pond	16	Lw		GnBn		TILL
064C	831204	14	416056	6308394	WVr	02	00	1-5	16	Lw		Gn		TILL
064C	831205	14	414079	6308364	WVr	02	00	pond	7	Lw		Bn		TILL
064C	831206	14	411574	6308071	WVr	02	00	pond	6	Lw		GnBn		ORG
064C	831207	14	408663	6309476	WVr	02	00	pond	7	Lw		GnBn		TILL
064C	831208	14	406551	6307937	WVr	02	00	pond	7	Lw		GnBn		GLLO
064C	831227	14	402853	6303133	PT	02	00	1-5	12	Lw		GnGy		ORG
064C	831228	14	404978	6302827	WVa	02	00	.25-1	11	Lw		GnGy		ORG
064C	831229	14	407096	6306420	WVr	02	00	.25-1	14	Lw		GnBn		ROCK
064C	831230	14	408269	6307185	WVr	02	00	pond	16	Lw		GnBn		ROCK
064C	831231	14	410990	6305812	PT	02	00	pond	17	Lw		GnBn		ORG
064C	831232	14	413550	6305582	PT	02	00	pond	13	Lw		GnBn		TILL
064C	831234	14	416004	6305648	WVr	02	00	.25-1	7	Lw		GnBn		TILL
064C	831235	14	419333	6306297	WVr	02	00	.25-1	18	Lw		GnBn		TILL
064C	831236	14	418751	6303447	PT	02	00	*	7	Lw		GnBn		ORG
064C	831237	14	421679	6302830	WVr	02	00	1-5	21	Lw		Gn		TILL
064C	831238	14	423569	6302926	WVr	02	00	pond	16	Lw		GnBn		TILL
064C	831239	14	426059	6302303	WVr	02	00	pond	15	Lw		GnBn	Lgt	TILL
064C	831240	14	423308	6300402	PT	02	00	.25-1	8	Lw		Gn		TILL
064C	831242	14	422495	6301247	PT	02	10	.25-1	6	Lw		GnBn		TILL
064C	831243	14	422495	6301247	PT	02	20	.25-1	6	Lw		GnBn		TILL
064C	831245	14	418340	6300406	PT	02	00	pond	25	Lw		GnBn		TILL
064C	831246	14	416658	6300673	PG	02	00	.25-1	18	Lw		GnBn		TILL
064C	831247	14	413189	6300435	PG	02	00	.25-1	7	Lw		GnBn		ORG
064C	831248	14	416012	6303415	PT	02	00	1-5	41	Lw		GnBn		TILL
064C	831249	14	413227	6303766	PG	02	00	>5	12	Lw		Gn		TILL
064C	831250	14	410818	6303095	PG	02	00	>5	39	Lw		Gn		ORG
064C	831251	14	408661	6303192	WVpb	02	00	.25-1	7	Lw		GnGy		ORG
064C	831252	14	409536	6301061	PT	02	00	pond	7	Lw		Gn		ORG
064C	831253	14	406600	6300373	SC	02	00	>5	13	Lw		GnGy		TILL
064C	831254	14	402937	6301101	PT	02	00	*	5	Lw		GnGy		ORG
064C	831329	14	403329	6297292	PT	02	00	.25-1	6	Lw		GnBn		TILL
064C	831330	14	407888	6297835	WVa	02	00	>5	38	Lw		GnGy		TILL
064C	831331	14	409979	6298503	PT	02	00	.25-1	7	*		Bn		TILL
064C	831333	14	412984	6296835	PG	02	00	pond	5	Lw		Bn		TILL
064C	831334	14	414865	6297083	PG	02	00	1-5	4	Lw		Tn		ORG
064C	831335	14	416502	6297416	PG	02	00	pond	21	Lw		Gn		TILL
064C	831336	14	418797	6297486	PT	02	00	.25-1	23	Lw		Gn		TILL
064C	831337	14	422205	6297377	PG	02	00	.25-1	15	Lw		GnGy		TILL

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Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831202	119	33	7	31	15	<	465	2.0	2	3.70	80	29.2	3.3	640	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831203	120	32	7	31	15	<	461	2.0	2	3.70	80	29.2	3.3	640	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831204	85	30	3	20	10	<	352	1.0	<	1.60	60	58.2	1.8	340	35	0.9	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831205	49	12	<	14	6	<	244	1.0	2	0.75	70	44.4	1.6	200	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831206	86	18	3	24	10	<	423	3.5	<	1.90	50	42.4	2.2	360	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831207	61	13	3	22	9	0.7	442	10.0	2	1.40	70	46.8	2.0	440	30	0.2	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	831208	75	10	<	14	6	<	220	2.5	2	0.80	70	61.8	1.3	240	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831227	119	14	5	25	10	<	499	1.5	<	2.70	40	18.0	3.2	520	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831228	54	11	2	16	10	<	472	1.5	<	1.80	20	5.8	3.0	470	30	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831229	101	25	4	28	17	0.2	832	5.0	<	2.60	50	23.4	4.1	560	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831230	111	22	4	27	10	<	500	2.0	<	2.70	70	29.0	3.0	670	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831231	105	28	4	28	11	<	490	1.5	4	2.45	90	35.0	6.2	500	45	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831232	77	23	2	19	11	<	390	1.0	16	1.40	80	65.2	2.5	210	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831234	70	26	5	22	10	<	372	1.5	2	1.50	60	63.6	2.2	270	25	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831235	50	49	2	18	8	<	140	1.0	<	0.95	110	48.4	1.7	180	15	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831236	73	25	6	31	12	<	453	1.5	2	2.70	60	37.6	3.6	650	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831237	90	43	8	44	16	<	620	2.0	<	3.80	60	26.2	4.1	750	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831238	50	47	<	19	9	<	240	1.0	3	1.15	120	56.0	2.6	180	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831239	72	57	4	26	12	<	375	1.5	2	2.40	90	32.0	2.6	510	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831240	130	30	8	40	14	<	445	2.0	<	3.40	60	24.0	3.8	750	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831242	95	31	9	37	13	<	507	2.0	<	3.10	60	34.8	4.4	720	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831243	91	29	8	34	13	<	464	2.0	<	2.80	50	33.6	3.7	770	50	<	<	ns	ns	ns	-	-	-	-	1	10.0
064C	831245	109	40	5	28	12	<	485	1.5	<	2.60	110	37.4	3.2	500	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831246	88	28	6	27	10	<	259	1.5	<	2.05	90	34.8	3.3	590	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831247	97	19	4	18	9	<	395	1.0	2	1.20	50	71.2	4.4	230	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831248	126	28	10	32	14	<	700	2.5	2	3.20	80	22.8	4.0	670	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831249	124	27	8	37	15	<	532	2.0	2	3.30	60	26.4	4.5	720	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831250	133	34	13	39	15	<	546	2.0	3	3.20	70	24.4	3.8	740	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831251	131	40	14	50	19	<	451	3.5	3	3.50	40	12.6	4.2	870	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831252	121	24	7	35	12	<	353	1.0	6	2.90	50	24.8	5.3	750	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831253	81	16	6	23	12	<	910	2.0	<	2.35	30	9.6	4.9	600	35	<	<	ns	ns	ns	-	-	1	10.0	<	10.0
064C	831254	25	5	3	6	3	<	134	<	<	0.60	20	4.2	2.1	220	10	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831329	66	11	2	12	6	<	205	1.0	2	0.65	70	52.6	1.2	160	15	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831330	240	13	10	28	53	<	8370	5.5	12	23.00	70	20.4	4.7	310	120	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831331	100	23	6	27	13	<	365	1.5	<	2.05	70	34.0	2.8	590	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831333	81	25	9	25	10	<	428	1.5	2	2.15	80	44.8	3.7	560	35	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831334	83	19	9	22	11	<	1500	1.5	<	2.60	70	16.0	4.2	690	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831335	110	33	6	30	12	<	372	1.5	2	2.40	80	30.0	3.2	620	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831336	113	32	4	26	11	<	358	1.0	<	1.90	90	36.2	3.6	490	30	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831337	148	34	10	42	16	<	488	1.5	<	3.30	80	18.2	8.0	880	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0

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Analytical Data

		Varient:	U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
		Units:	ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		Detection Limit:	0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
		Analytical Method:	LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831202		<	46	7.2	6.44	1.80	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831203		<	50	7.2	8.59	1.76	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831204		<	34	7.3	5.92	1.05	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831205		<	46	7.1	4.22	1.04	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831206		<	62	7.0	12.90	3.32	41.0	ns	ns	ns	ns	ns	ns	ns
064C	831207		<	60	7.2	12.90	4.06	44.0	ns	ns	ns	ns	ns	ns	ns
064C	831208		<	46	7.3	2.12	0.55	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831227		<	54	7.0	2.90	0.69	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831228		<	60	6.9	2.26	0.58	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831229		<	52	7.5	10.80	2.07	33.0	ns	ns	ns	ns	ns	ns	ns
064C	831230		<	54	7.5	12.20	1.80	34.0	ns	ns	ns	ns	ns	ns	ns
064C	831231		<	64	7.4	9.18	2.47	32.0	ns	ns	ns	ns	ns	ns	ns
064C	831232		<	64	7.2	5.77	1.31	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831234		<	62	6.7	5.40	1.10	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831235		<	60	7.0	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831236		<	62	6.8	6.93	1.59	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831237		<	62	7.4	7.98	2.10	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831238		<	56	7.4	7.38	1.52	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831239		<	56	7.3	8.42	1.32	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831240		<	60	7.2	7.30	2.13	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831242		<	60	7.0	8.40	2.43	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831243		<	62	7.3	8.47	2.44	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831245		<	76	7.2	5.57	1.68	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831246		<	68	7.2	5.43	1.66	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831247		<	86	7.0	5.77	1.87	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831248		<	74	7.4	7.98	2.22	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831249		<	78	7.0	7.72	2.30	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831250		<	80	7.1	6.50	2.29	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831251		<	72	7.3	6.35	2.20	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831252		<	160	7.0	4.25	1.20	15.0	ns	ns	ns	ns	ns	ns	ns
064C	831253		<	100	6.8	2.63	0.69	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831254		<	96	6.7	3.25	0.79	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831329		<	38	7.1	6.20	0.90	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831330		<	72	6.6	2.60	0.68	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831331		<	60	7.2	6.48	1.84	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831333		<	150	6.8	7.50	3.00	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831334		<	84	6.7	2.80	0.74	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831335		<	70	6.8	14.84	1.49	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831336		<	70	6.9	6.20	1.90	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831337		<	100	7.2	8.10	2.60	28.0	ns	ns	ns	ns	ns	ns	ns

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831338	14	425257	6299122	PT	02	00	.25-1	6	Lw		Bn		ORG
064C	831339	14	429639	6299702	B	02	00	>5	7	Lw		Gy		TILL
064C	831340	14	432073	6301606	WVr	02	00	pond	5	Lw		Bn		ORG
064C	831342	14	430814	6301994	PT	02	10	.25-1	10	Lw		GnGy		ORG
064C	831343	14	430814	6301994	PT	02	20	.25-1	10	Lw		GnGy		ORG
064C	831344	14	434000	6302300	WVr	02	00	1-5	7	Lw		Gn	Lgt	ORG
064C	831345	14	432335	6303309	PT	02	00	pond	16	Lw		GyBn		ORG
064C	831347	14	430874	6305192	PT	02	00	>5	17	Lw		Gy		GLLO
064C	831348	14	432987	6305745	PT	02	00	pond	6	Lw		Bn		ORG
064C	831349	14	435306	6305770	PT	02	00	.25-1	32	Lw		GnBn		ORG
064C	831350	14	438395	6305816	PT	02	00	pond	7	Lw		Bn		GLLO
064C	831351	14	438167	6300430	B	02	00	.25-1	16	Lw		GnBn		GLLO
064C	831352	14	435406	6300100	GC	02	00	.25-1	7	Lw		GnBn		TILL
064C	831353	14	437332	6298681	GC	02	00	pond	6	Lw		Gn		GLLO
064C	831354	14	436131	6297833	GC	02	00	1-5	6	Lw		GnGy		GLLO
064C	831355	14	434839	6294202	GB	02	00	1-5	7	Lw		Gn		TILL
064C	831356	14	431974	6295472	WVr	02	00	pond	7	Lw		Bn		ORG
064C	831357	14	427120	6296274	B	02	00	1-5	17	Lw		GnGy		ROCK
064C	831358	14	425940	6297346	PG	02	00	.25-1	4	Lw		Bn	Hvy	TILL
064C	831359	14	425395	6294914	B	02	00	.25-1	33	Lw		GnBn		TILL
064C	831360	14	422617	6294623	B	02	00	pond	17	Lw		GnBn		TILL
064C	831362	14	420250	6294924	PG	02	00	1-5	6	Lw		Bn		TILL
064C	831363	14	417230	6294417	PG	02	00	1-5	6	Lw		Bn		TILL
064C	831364	14	411665	6295240	WVa	02	10	pond	15	Lw		GnBn		TILL
064C	831365	14	411665	6295240	WVa	02	20	pond	15	Lw		GnBn		TILL
064C	831366	14	408177	6295441	SC	02	00	1-5	39	Lw		GnGy		TILL
064C	831367	14	406801	6295737	SS	02	00	.25-1	7	Lw		GnBn		TILL
064C	831368	14	403781	6295854	SS	02	00	>5	13	Lw		GnBn		TILL
064C	831373	14	393450	6295194	SC	02	00	>5	10	Lw		Gn		ORG
064C	831375	14	384345	6295736	PT	02	00	>5	10	Lw		GnGy		TILL
064C	831376	14	379231	6295948	PD	02	00	.25-1	6	Lw		Bn		TILL
064C	831377	14	377975	6296628	PG	02	00	pond	8	Lw		Gn		TILL
064C	831379	14	377722	6293564	WVr	02	00	.25-1	9	Lw		GnBn		TILL
064C	831380	14	380107	6294045	PD	02	00	.25-1	27	Lw		GnBn		TILL
064C	831382	14	383221	6294721	WVpb	02	10	pond	6	Lw		Bn		ORG
064C	831383	14	383221	6294721	WVpb	02	20	pond	6	Lw		Bn		ORG
064C	831384	14	385563	6293212	WVpb	02	00	pond	5	Lw		Bn	Hvy	ORG
064C	831385	14	389104	6294117	WVpb	02	00	.25-1	7	Lw		GnBn		ORG
064C	831387	14	392350	6293497	PT	02	00	>5	8	Lw		Gn		ORG
064C	831388	14	395465	6293765	PD	02	00	>5	7	Lw		Bn		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831338	115	23	8	32	13	<	364	1.5	<	2.70	70	28.2	3.1	850	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831339	102	29	10	33	12	<	320	2.0	<	2.40	50	11.6	4.4	760	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831340	106	28	8	26	12	<	370	1.0	<	2.20	80	33.6	3.2	660	40	<	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	831342	124	31	10	38	14	<	490	1.5	<	3.10	80	21.8	3.7	760	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831343	128	31	12	37	14	<	485	2.0	<	3.10	80	21.2	3.4	830	50	<	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	831344	118	26	9	29	12	<	375	1.5	<	2.40	70	29.6	3.5	720	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831345	113	35	10	31	13	<	375	1.5	3	2.70	70	26.2	5.9	820	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831347	111	41	14	38	17	<	555	4.5	<	3.10	50	6.0	4.4	800	55	<	.2	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831348	96	31	5	24	11	<	350	1.0	3	1.45	110	49.2	5.3	440	25	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831349	123	28	4	20	9	<	570	1.0	<	1.70	110	44.4	4.5	470	30	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831350	62	28	3	13	6	<	290	<	<	0.70	70	62.4	1.4	200	5	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831351	80	51	5	27	11	<	288	1.0	2	2.00	90	46.6	6.3	520	35	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831352	96	26	5	25	12	<	266	<	2	1.45	70	50.6	3.2	400	30	0.2	<	ns	ns	ns	-	-	18	10.0	9	10.0
064C	831353	110	30	11	38	15	<	239	1.5	<	3.10	60	23.0	10.1	720	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831354	108	33	11	41	14	<	360	1.5	<	3.35	60	27.0	5.9	720	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831355	108	28	10	38	14	<	331	1.5	<	3.20	100	26.2	3.9	720	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831356	62	25	3	22	8	<	258	<	<	0.95	70	49.2	2.2	300	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831357	125	28	10	38	14	<	440	1.0	<	3.25	80	20.8	4.5	700	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831358	100	25	8	30	11	<	333	1.0	<	2.50	90	30.8	5.6	700	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831359	96	26	6	27	12	<	470	1.0	<	2.50	80	34.8	3.5	640	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831360	109	26	7	32	13	<	410	<	<	2.65	90	25.8	3.3	660	50	<	<	ns	ns	ns	-	-	2	10.0	3	10.0
064C	831362	69	24	6	23	10	<	210	<	<	1.50	90	53.8	3.8	420	30	<	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	831363	56	11	6	12	9	<	4060	2.0	<	2.70	70	8.6	2.8	420	25	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831364	103	32	7	35	13	<	530	1.0	<	3.10	90	26.8	3.5	700	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831365	98	33	8	33	14	<	467	1.5	<	3.00	100	27.2	3.9	720	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831366	117	30	9	34	14	<	466	2.5	2	3.30	70	23.8	6.3	720	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831367	95	19	3	20	12	<	500	<	3	1.45	70	62.6	2.3	320	25	0.2	<	ns	ns	ns	-	-	-	-	2	10.0
064C	831368	55	11	2	12	8	<	470	1.0	<	1.50	60	9.8	3.5	500	20	<	<	ns	ns	ns	-	-	3	10.0	<	10.0
064C	831373	76	24	4	22	8	<	290	<	<	1.60	70	49.8	2.4	440	30	<	<	ns	ns	ns	-	-	-	-	2	10.0
064C	831375	110	26	5	58	11	<	426	1.0	<	2.60	60	20.0	3.5	540	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831376	74	17	2	17	8	<	445	<	<	1.10	80	44.8	3.1	400	25	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831377	93	20	2	18	11	<	433	<	<	1.40	70	45.4	3.1	440	35	0.2	<	ns	ns	ns	-	-	-	-	1	10.0
064C	831379	44	16	3	13	6	<	230	5.0	<	1.90	50	6.2	5.5	440	25	<	.2	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831380	84	32	2	17	6	0.3	760	<	<	1.55	120	40.2	3.5	340	30	0.3	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831382	58	23	3	18	6	0.2	268	<	<	0.55	90	60.4	1.2	190	10	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831383	60	26	<	17	6	0.2	278	<	<	0.70	80	62.2	1.6	160	10	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831384	59	19	2	11	8	<	1340	1.0	<	1.10	70	34.4	2.2	250	10	<	<	ns	ns	ns	-	-	5	10.0	3	10.0
064C	831385	69	14	2	11	4	<	135	<	<	0.70	70	64.4	1.2	220	10	<	<	ns	ns	ns	-	-	-	-	2	10.0
064C	831387	43	14	2	41	6	<	208	1.0	<	1.25	50	7.6	2.4	330	15	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831388	82	17	4	21	9	<	345	1.0	2	1.65	60	39.4	2.7	400	25	<	.2	ns	ns	ns	-	-	-	-	2	10.0

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831338	<	66	7.4	7.54	2.59	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831339	<	68	7.3	5.38	1.63	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831340	<	68	6.8	8.15	2.52	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831342	<	60	7.0	7.98	2.28	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831343	<	64	6.9	7.97	2.27	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831344	<	46	6.6	6.04	2.13	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831345	<	100	7.4	9.28	3.11	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831347	<	56	7.2	5.41	11.64	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831348	<	62	6.8	9.00	3.56	31.0	ns	ns	ns	ns	ns	ns	ns
064C	831349	<	88	7.3	9.73	2.95	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831350	<	52	7.1	6.94	1.25	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831351	<	84	7.0	8.22	2.64	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831352	<	64	6.5	4.41	1.43	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831353	<	70	6.8	6.41	2.00	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831354	<	78	7.0	8.54	2.86	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831355	<	78	7.0	8.72	3.05	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831356	<	42	7.0	4.82	1.44	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831357	<	74	7.1	7.78	2.56	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831358	<	66	7.3	7.14	2.57	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831359	<	56	7.2	6.40	2.05	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831360	<	62	7.4	7.06	2.26	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831362	<	120	6.9	7.25	2.98	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831363	<	84	6.6	2.75	0.73	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831364	<	120	7.0	7.68	2.33	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831365	<	140	7.4	8.21	2.54	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831366	<	78	7.1	9.10	2.73	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831367	<	82	6.6	5.99	1.75	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831368	<	74	6.5	3.06	0.77	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831373	<	56	7.3	8.30	1.60	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831375	<	64	6.5	2.86	0.66	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831376	<	54	6.8	4.82	1.24	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831377	<	60	6.6	3.70	0.96	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831379	<	58	7.2	7.13	1.14	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831380	<	40	7.2	7.95	1.36	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831382	<	28	7.2	7.20	1.32	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831383	<	34	7.1	7.17	1.30	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831384	<	38	7.4	7.56	1.23	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831385	<	40	7.0	11.60	1.40	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831387	<	34	7.1	3.86	0.89	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831388	<	34	7.2	8.50	1.54	23.0	ns	ns	ns	ns	ns	ns	ns

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831389	14	396645	6293710	WVpb	02	00	>5	12	Lw		GnGy		TILL
064C	831390	14	399337	6293451	PD	02	00	*	7	Lw		GnBn		ORG
064C	831391	14	402175	6293626	PT	02	00	.25-1	5	Lw		Bn		ORG
064C	831392	14	405466	6292585	PT	02	00	pond	5	Lw		Bn		ORG
064C	831393	14	408989	6292930	PT	02	00	>5	16	Lw		Gn		ORG
064C	831394	14	413831	6292548	WVr	02	00	1-5	13	Lw		Gn		TILL
064C	831395	14	416020	6293086	PG	02	00	pond	14	*		GnBn		TILL
064C	831396	14	418794	6292799	WVr	02	00	>5	4	Lw		Bn	Hvy	TILL
064C	831397	14	423748	6293190	WVr	02	00	1-5	18	Lw		Gn		ORG
064C	831398	14	427832	6293581	GB	02	00	.25-1	6	Lw		GnBn		GLLO
064C	831399	14	430204	6293878	GB	02	00	pond	7	Lw		GnGy		GLLO
064C	831400	14	434184	6292111	GB	02	00	.25-1	9	Lw		GnGy		GLLO
064C	831402	14	437531	6292302	GB	02	00	>5	11	Lw		Gy		GLLO
064C	831403	14	436498	6289249	G	02	10	1-5	10	Lw		Gy		GLF
064C	831404	14	436498	6289249	G	02	20	1-5	10	Lw		Gy		GLF
064C	831406	14	436453	6287584	Q	64	00	1-5	8	Lw		GyBn		TILL
064C	831407	14	436387	6285207	G	02	00	.25-1	6	Lw		GnGy		ROCK
064C	831408	14	432682	6286617	Q	64	00	1-5	9	Lw		GnGy		ORG
064C	831409	14	433717	6288252	Q	64	00	pond	7	Lw		Gn		GLLO
064C	831410	14	434647	6290214	G	02	00	pond	8	Lw		GnBn	Lgt	GLF
064C	831411	14	432346	6289743	G	02	00	1-5	9	Lw		GnBn		ORG
064C	831412	14	431945	6292000	GB	02	00	1-5	12	Lw		Gy		TILL
064C	831413	14	429192	6290691	G	02	00	>5	12	Lw		Gy		TILL
064C	831414	14	426298	6291402	GB	02	00	.25-1	6	Lw		Bn		TILL
064C	831415	14	423146	6290944	Q	64	00	.25-1	7	Lw		Bn		TILL
064C	831416	14	422109	6289875	Q	64	00	*	20	Lw		Gn		TILL
064C	831417	14	415882	6289383	G	02	00	*	9	Lw		GnBn		TILL
064C	831418	14	414516	6289373	Q	64	00	1-5	11	Lw		Gy		TILL
064C	831419	14	410122	6289678	PT	02	00	pond	11	Lw		Gn		TILL
064C	831420	14	407698	6290590	PT	02	00	.25-1	12	Lw		Gn		TILL
064C	831422	14	406104	6290187	PT	02	00	1-5	7	Lw		GnBn		TILL
064C	831423	14	396754	6289599	PD	02	00	pond	6	Lw		Bn		TILL
064C	831424	14	395347	6290328	PD	02	10	.25-1	7	Lw		GnBn		TILL
064C	831425	14	395347	6290328	PD	02	20	.25-1	7	Lw		GnBn		TILL
064C	831426	14	390446	6290228	PT	02	00	>5	5	Lw		GyBn		ORG
064C	831427	14	386223	6290470	PG	02	00	.25-1	5	Lw		Bn		ORG
064C	831428	14	385300	6292088	WW	02	00	pond	7	Lw		Bn		ORG
064C	831430	14	381936	6291535	WVa	02	00	1-5	8	Lw		GnBn		ORG
064C	831431	14	378777	6291274	WA	02	00	1-5	23	Lw		GnBn		TILL
064C	831432	14	377107	6290275	PD	02	00	.25-1	10	Lw		GnBn		GLF

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Analytical Data

Varient:		Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
Units:		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
Detection Limit:		2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
Analytical Method:		AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831389	68	21	6	26	11	<	413	2.5	<	2.20	60	12.6	3.3	540	35	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831390	74	14	2	11	7	<	304	3.5	6	0.75	70	70.6	1.1	240	20	0.3	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831391	63	16	6	17	7	<	272	1.0	6	1.00	100	60.8	2.9	320	30	0.3	.2	ns	ns	ns	-	-	-	-	2	10.0
064C	831392	96	16	6	21	10	<	595	<	2	2.00	60	31.0	3.2	580	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831393	136	32	10	39	16	<	610	1.5	2	3.10	60	26.6	5.5	720	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831394	108	27	9	34	14	<	444	1.0	<	2.90	50	30.4	3.8	740	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831395	102	24	6	22	12	<	368	1.0	<	2.20	60	47.0	3.9	540	35	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831396	125	27	7	31	12	<	383	1.0	<	2.40	70	26.2	3.8	760	40	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831397	102	30	8	32	12	<	580	1.0	<	2.60	70	25.6	4.5	680	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831398	91	30	8	33	13	<	381	1.5	<	2.85	60	29.0	3.5	750	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831399	111	30	11	38	16	<	660	2.0	<	3.25	50	20.8	5.4	760	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831400	145	39	14	48	16	<	491	2.0	<	4.00	60	22.8	6.3	860	65	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831402	100	31	15	38	16	<	689	2.0	<	3.60	40	7.8	4.3	850	50	<	.2	ns	ns	ns	-	-	2	10.0	<	10.0
064C	831403	124	40	16	44	17	<	451	2.0	<	3.60	40	11.2	3.2	830	65	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831404	136	42	17	46	17	<	405	2.0	<	3.60	40	11.6	3.5	850	65	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831406	112	31	12	39	14	<	356	1.5	<	2.95	50	28.4	26.3	770	55	<	.2	ns	ns	ns	-	-	-	-	2	10.0
064C	831407	102	24	10	33	11	<	335	1.0	<	2.20	60	37.8	28.4	680	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831408	127	33	10	41	13	<	463	2.0	<	3.65	60	24.8	26.7	790	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831409	210	25	5	40	14	<	245	1.0	<	1.80	60	55.6	1.4	290	40	0.4	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831410	119	33	10	42	12	<	382	1.5	<	3.05	50	31.0	6.6	720	55	<	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	831411	142	34	11	44	14	<	426	1.5	3	3.45	50	28.2	9.9	830	60	<	.6	ns	ns	ns	-	-	-	-	<	10.0
064C	831412	170	26	14	45	17	<	650	1.5	<	4.20	70	14.6	6.1	980	65	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831413	71	12	8	19	9	<	782	1.0	<	2.25	50	8.0	4.4	590	35	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831414	92	32	11	36	11	<	386	1.5	2	2.40	70	33.6	7.0	710	50	<	.2	ns	ns	ns	-	-	-	-	2	10.0
064C	831415	98	31	9	34	10	<	361	1.5	<	2.45	60	34.0	6.0	660	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831416	114	27	9	30	11	<	388	2.0	<	2.45	80	35.4	3.7	530	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831417	136	24	11	34	13	<	396	1.0	<	2.95	50	22.0	3.9	720	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831418	73	22	8	29	12	<	648	2.5	2	2.55	40	10.4	4.1	590	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831419	91	35	8	28	12	<	322	1.0	2	1.95	100	42.0	2.6	510	40	0.4	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831420	110	30	10	36	12	<	468	1.5	<	2.70	70	32.8	7.5	670	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831422	91	24	8	30	10	<	338	1.5	<	1.80	60	40.2	4.0	660	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831423	60	13	5	20	6	<	378	1.0	2	1.05	60	59.6	1.3	270	15	0.2	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831424	62	19	5	22	7	<	398	1.0	3	1.25	50	61.4	2.8	370	30	<	.2	ns	ns	ns	-	-	-	-	2	10.0
064C	831425	70	23	6	23	8	<	422	1.0	3	1.35	60	60.2	3.2	340	30	0.3	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831426	123	24	6	67	10	<	418	1.5	2	2.65	50	19.2	3.5	580	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831427	78	10	3	18	6	<	403	1.0	<	1.15	50	42.2	2.1	270	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831428	59	25	5	14	6	<	756	1.0	<	1.20	60	39.2	2.8	330	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831430	72	24	4	16	4	<	390	2.0	3	1.50	50	63.2	2.0	280	20	<	<	ns	ns	ns	-	-	<10	1.0	3	10.0
064C	831431	153	33	2	17	10	<	920	2.5	2	5.30	80	29.6	3.8	460	45	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831432	100	34	<	14	10	<	383	2.0	3	3.80	70	40.6	2.2	350	40	0.3	<	ns	ns	ns	-	-	-	-	<	10.0

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831389	<	36	6.9	9.52	1.60	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831390	<	32	6.7	5.36	0.93	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831391	<	38	6.7	5.90	1.94	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831392	<	48	6.8	7.30	2.84	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831393	<	56	7.1	8.20	2.87	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831394	<	94	7.0	9.74	3.40	32.0	ns	ns	ns	ns	ns	ns	ns
064C	831395	<	120	7.4	10.90	4.06	37.0	ns	ns	ns	ns	ns	ns	ns
064C	831396	<	44	7.0	8.93	3.49	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831397	<	44	7.1	7.84	2.59	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831398	<	48	7.3	9.06	3.27	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831399	<	56	7.0	9.10	3.23	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831400	<	100	7.2	13.80	4.82	45.0	ns	ns	ns	ns	ns	ns	ns
064C	831402	<	46	7.2	5.89	1.87	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831403	<	64	7.0	7.85	2.46	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831404	<	70	6.8	7.61	2.39	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831406	1.20	200	7.6	15.00	5.37	57.0	ns	ns	ns	ns	ns	ns	ns
064C	831407	.28	160	7.4	7.08	2.47	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831408	.29	180	7.6	10.30	3.37	38.0	ns	ns	ns	ns	ns	ns	ns
064C	831409	<	42	6.6	2.05	1.01	8.0	ns	ns	ns	ns	ns	ns	ns
064C	831410	<	58	7.0	9.10	3.42	36.0	ns	ns	ns	ns	ns	ns	ns
064C	831411	<	100	7.6	11.90	4.46	43.0	ns	ns	ns	ns	ns	ns	ns
064C	831412	<	84	7.2	7.63	2.46	27.8	ns	ns	ns	ns	ns	ns	ns
064C	831413	<	80	6.9	6.76	2.15	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831414	<	100	7.4	13.00	4.84	42.0	ns	ns	ns	ns	ns	ns	ns
064C	831415	<	94	7.2	12.30	4.89	41.0	ns	ns	ns	ns	ns	ns	ns
064C	831416	<	82	6.9	7.83	2.88	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831417	<	100	6.8	7.25	2.59	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831418	<	92	6.8	6.70	2.55	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831419	<	62	6.6	4.81	1.30	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831420	<	66	7.3	7.01	2.40	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831422	<	44	7.0	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831423	<	60	6.8	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831424	<	56	7.2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831425	<	54	7.2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831426	<	62	6.6	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831427	<	50	7.2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831428	<	48	6.8	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831430	<	54	7.0	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	831431	<	50	7.2	5.41	0.79	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831432	<	58	7.2	5.58	0.82	18.0	ns	ns	ns	ns	ns	ns	ns

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831433	14	369710	6297031		02	00	1-5	11	Lw		GnBn		
064C	831434	14	366202	6294856	PT	02	00	>5	70	*		BnBk		ORG
064C	831493	14	366428	6293378	PT	02	00	>5	8	Lw		GnBn		TILL
064C	831494	14	368365	6294617	PT	02	00	1-5	9	Lw		GnBn		TILL
064C	831495	14	370855	6294999	PT	02	00	1-5	6	Lw		Bn		TILL
064C	831496	14	374390	6301551		02	00	1-5	6	Lw		Bn		
064C	831497	14	367603	6291911	WVr	02	00	.25-1	20	Lw		Bn		GLF
064C	831498	14	365198	6291571	WVr	02	00	.25-1	6	Lw		Bn		GLF
064C	831499	14	363814	6290786	WVr	02	00	.25-1	20	Lw		Bk		GLF
064C	831551	14	362427	6289670	WW	02	00	.25-1	73	Lw		Bk		GLF
064C	831552	14	369646	6289534	PT	02	00	.25-1	11	Lw		GnBn		TILL
064C	831553	14	372267	6290479	WVr	02	00	pond	7	Lw		Bn		ORG
064C	831554	14	367773	6287079	PT	02	00	.25-1	5	Lw		Bn		TILL
064C	831555	14	367028	6285753	PT	02	00	.25-1	7	Lw		GnBn		TILL
064C	831556	14	363968	6286889	WVr	02	00	1-5	54	Lw		GnGy		TILL
064C	831605	14	363620	6284005	WVr	02	00	1-5	25	Lw		GnBk		TILL
064C	831606	14	364688	6284456	PG	02	00	.25-1	11	Lw		Gn		TILL
064C	831607	14	368721	6284207	PT	02	00	>5	55	Lw		Gn		TILL
064C	831608	14	372119	6286464	PT	02	00	.25-1	7	Lw		GnBn		TILL
064C	831609	14	371754	6287849	PT	02	00	1-5	15	Lw		Gn		TILL
064C	831610	14	377850	6288173	PT	02	00	1-5	8	Lw		GnBn		TILL
064C	831611	14	381539	6288958	WVpb	02	00	1-5	25	Lw		GnBn		TILL
064C	831613	14	384418	6287523	PT	02	00	.25-1	6	Lw		GnBn		TILL
064C	831614	14	390799	6288888	PT	02	00	1-5	10	Lw		Gn		TILL
064C	831615	14	393596	6288931	WA	02	00	1-5	8	Lw		GnGy		TILL
064C	831616	14	398059	6289063	WW	02	00	.25-1	6	Lw		Bn		TILL
064C	831617	14	400412	6288305	PT	02	00	1-5	7	Lw		Bn		TILL
064C	831618	14	404007	6287656	PT	02	00	.25-1	7	Lw		Bn		TILL
064C	831619	14	405522	6287750	PT	02	00	.25-1	6	Lw		Bn		TILL
064C	831620	14	409838	6287435	Q	64	00	1-5	11	Lw		GnGy		ORG
064C	831622	14	413524	6286649	Q	64	00	pond	5	Lw		Bn		TILL
064C	831623	14	417061	6287840	G	02	00	1-5	4	Lw		Bn		TILL
064C	831625	14	417927	6288138	G	02	00	.25-1	6	Lw		GnBn		TILL
064C	831626	14	418470	6289482	G	02	10	.25-1	6	Lw		GnBn		TILL
064C	831627	14	418470	6289482	G	02	20	.25-1	6	Lw		GnBn		TILL
064C	831628	14	421783	6286266	GA	02	00	.25-1	12	Lw		Gn		TILL
064C	831629	14	421001	6282276	G	02	00	pond	5	Lw		Bn		TILL
064C	831630	14	420100	6280200	G	02	00	pond	7	Lw		GnBn		TILL
064C	831631	14	424521	6282939	G	02	00	.25-1	12	Lw		GnGy		GLLO
064C	831632	14	426199	6284822	GA	02	00	>5	16	Lw		Gy		GLLO

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Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831433	64	9	4	12	6	<	385	2.0	2	2.40	50	14.8	3.2	370	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831434	175	17	5	12	8	<	1040	4.5	5	9.70	110	34.0	2.1	280	50	0.2	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831493	47	8	2	10	4	<	226	2.5	<	1.40	40	18.4	2.0	210	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831494	77	15	3	18	8	<	217	1.0	2	0.85	40	58.6	2.0	130	20	0.3	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831495	78	15	4	15	6	<	286	1.5	<	1.45	50	35.2	1.9	180	25	<	<	ns	ns	ns	-	-	4	10.0	3	10.0
064C	831496	85	26	4	30	12	<	683	2.0	<	1.80	50	24.6	3.6	260	30	0.2	<	ns	ns	ns	-	-	7	10.0	3	10.0
064C	831497	72	21	3	9	4	<	271	1.5	<	0.45	80	77.0	0.9	100	10	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831498	40	26	5	12	4	<	292	16.5	2	0.75	50	48.8	3.0	110	15	<	.3	ns	ns	ns	-	-	-	-	1	10.0
064C	831499	60	31	<	15	6	<	757	20.5	2	16.00	70	45.0	3.2	80	40	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831551	74	40	2	11	4	<	900	10.0	4	3.30	50	62.0	1.4	60	25	0.2	.3	ns	ns	ns	-	-	-	-	<	10.0
064C	831552	69	30	2	9	7	<	298	1.0	3	1.65	60	57.4	1.4	80	30	<	<	ns	ns	ns	-	-	-	-	1	10.0
064C	831553	92	23	<	7	4	<	403	4.5	<	3.35	70	64.4	1.0	60	10	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831554	68	22	2	10	6	<	225	1.5	2	1.05	50	59.6	0.8	40	15	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831555	82	36	2	13	6	<	203	2.0	<	1.35	60	53.2	1.0	60	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831556	94	17	2	9	11	<	2050	11.5	4	1.40	30	6.0	2.9	180	20	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831605	144	34	2	11	6	<	1080	12.5	4	9.60	60	29.4	2.8	250	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831606	55	30	2	14	4	<	300	2.5	<	1.15	70	43.8	1.4	180	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831607	65	25	3	9	3	<	275	1.5	2	2.40	40	25.4	2.6	280	25	<	<	ns	ns	ns	-	-	4	10.0	7	10.0
064C	831608	80	27	10	9	7	<	390	1.5	<	1.65	50	54.6	1.4	260	25	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831609	87	20	4	10	7	<	525	1.5	<	3.60	50	32.0	2.1	220	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831610	65	19	14	10	6	<	202	1.5	<	1.45	50	73.6	1.2	160	20	0.2	<	ns	ns	ns	-	-	7	7.5	5	10.0
064C	831611	82	22	4	14	6	<	372	1.5	3	1.60	60	44.2	2.4	300	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831613	75	41	2	13	10	<	568	1.5	2	0.90	60	74.2	1.0	180	20	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831614	92	23	5	29	10	<	350	1.5	<	1.70	40	29.8	3.8	560	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831615	102	23	5	85	12	<	664	1.5	<	2.70	30	17.0	3.4	580	40	<	<	ns	ns	ns	-	-	<	10.0	3	10.0
064C	831616	75	16	3	18	9	<	320	1.5	3	1.20	40	56.6	1.5	340	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831617	98	18	5	25	9	<	292	2.0	<	1.50	60	40.2	2.7	520	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831618	66	19	3	16	6	<	180	1.0	2	0.65	30	71.8	1.3	190	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831619	60	18	6	25	10	<	298	1.5	<	1.50	50	37.4	2.3	430	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831620	112	34	10	40	14	<	400	2.5	<	3.20	50	14.4	4.2	660	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831622	84	21	8	23	10	<	650	2.0	<	1.85	60	39.0	4.5	470	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831623	74	21	8	27	9	<	320	1.5	<	1.80	70	32.4	3.6	500	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831625	116	27	11	36	14	<	495	2.0	<	3.10	60	25.4	5.0	710	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831626	100	24	9	34	11	<	358	2.0	<	2.80	60	26.0	3.6	550	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831627	93	24	7	32	10	<	342	2.0	<	2.60	60	26.8	3.8	640	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831628	106	32	8	38	12	<	350	2.0	<	3.10	60	27.4	6.3	710	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831629	79	22	6	27	9	<	272	1.5	2	1.85	70	38.6	3.7	540	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831630	103	30	9	38	11	<	226	2.5	<	2.80	70	30.2	6.6	760	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831631	142	31	10	42	14	<	305	2.0	<	3.50	80	20.0	12.1	720	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831632	122	19	11	32	16	<	1170	2.0	<	3.50	60	12.8	5.7	720	50	<	<	ns	ns	ns	-	-	-	-	<	10.0

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831433	<	58	7.0	3.56	0.67	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831434	<	56	7.0	3.49	0.64	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831493	<	38	7.1	4.20	0.75	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831494	<	38	6.6	1.74	0.49	7.0	ns	ns	ns	ns	ns	ns	ns
064C	831495	<	36	7.1	5.46	0.71	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831496	<	42	7.0	4.10	0.78	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831497	<	36	6.8	2.97	ns	8.0	ns	ns	ns	ns	ns	ns	ns
064C	831498	<	38	7.5	9.52	0.90	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831499	<	38	6.4	9.51	0.91	36.0	ns	ns	ns	ns	ns	ns	ns
064C	831551	<	40	7.4	9.61	0.74	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831552	<	32	6.7	2.11	0.50	6.0	ns	ns	ns	ns	ns	ns	ns
064C	831553	<	30	6.9	4.39	0.51	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831554	<	42	6.6	3.27	0.54	8.0	ns	ns	ns	ns	ns	ns	ns
064C	831555	<	54	7.0	4.55	0.71	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831556	<	48	7.0	5.30	0.79	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831605	<	52	7.0	4.89	0.76	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831606	<	52	6.6	4.42	0.65	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831607	<	44	6.8	3.37	0.53	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831608	<	46	6.6	4.54	0.80	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831609	<	36	6.9	3.40	0.49	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831610	<	38	6.7	1.98	0.44	7.0	ns	ns	ns	ns	ns	ns	ns
064C	831611	<	38	7.1	5.35	0.90	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831613	<	40	6.5	4.07	0.77	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831614	<	44	6.9	4.10	1.02	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831615	<	56	6.5	3.81	.81	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831616	<	56	7.0	7.40	1.90	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831617	<	54	6.9	6.18	1.72	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831618	<	52	6.7	5.38	1.86	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831619	<	50	6.8	7.24	2.35	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831620	<	60	6.8	6.82	2.32	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831622	<	58	6.7	6.68	2.32	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831623	<	62	6.8	6.68	2.32	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831625	<	62	6.9	8.72	3.36	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831626	<	68	7.3	8.80	3.38	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831627	<	72	7.2	8.89	3.42	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831628	<	88	6.8	9.30	2.67	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831629	<	80	7.0	8.49	2.83	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831630	<	84	7.1	5.54	1.75	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831631	<	86	6.7	8.40	2.88	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831632	<	80	6.4	3.30	0.87	13.0	ns	ns	ns	ns	ns	ns	ns

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Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831633	14	424211	6285874	GA	02	00	>5	10	Lw		Gy		GLLO
064C	831634	14	425840	6287008	D	02	00	>5	13	Lw		Gy		ORG
064C	831635	14	425157	6288352	D	02	00	>5	29	Lw		GnGy		ORG
064C	831636	14	429268	6287763	G	02	00	.25-1	6	Lw		GnBn		TILL
064C	831637	14	429167	6285095	G	02	00	>5	14	Lw		Gy		GLLO
064C	831638	14	431031	6283735	Q	64	00	1-5	5	Lw		GnBn		GLLO
064C	831639	14	433767	6283658	G	02	00	.25-1	7	Lw		GnBn		TILL
064C	831640	14	435740	6280037	Q	64	00	.25-1	6	Md		GnGy		TILL
064C	831642	14	434475	6281684	G	02	10	pond	6	Lw		GnBn		TILL
064C	831643	14	434475	6281684	G	02	20	pond	6	Lw		GnBn		TILL
064C	831644	14	431209	6281230	Q	64	00	.25-1	4	Lw		GnBn		TILL
064C	831645	14	429213	6282225	Q	64	00	>5	28	Lw		Gy		GLLO
064C	831647	14	426871	6279587	G	02	00	>5	20	Lw		Gy		TILL
064C	831648	14	432462	6279208	Q	64	00	1-5	5	Lw		GnGy		TILL
064C	831649	14	436308	6282208	G	02	00	.25-1	28	##		GnBn		TILL
064C	831650	14	436615	6279565	G	02	00	1-5	25	Lw		GnBn		TILL
064C	831651	14	437921	6277605	G	02	00	.25-1	18	Lw		GnBn		ROCK
064C	831652	14	436600	6274600	T	02	00	.25-1	6	Md		GnGy		GLLO
064C	831653	14	435678	6276954	Q	64	00	.25-1	14	Md		GnGy		GLLO
064C	831654	14	433136	6276319	Q	64	00	.25-1	5	Lw		GnBn		TILL
064C	831655	14	428719	6276026	Q	64	00	>5	20	Md		Gy		TILL
064C	831656	14	431200	6272800	T	02	00	.25-1	11	Md		GnBn		TILL
064C	831657	14	428310	6273253	GC	02	00	.25-1	8	Md		GnBn		TILL
064C	831658	14	426694	6274211	G	02	00	>5	23	Lw		Gy		GLLO
064C	831659	14	424585	6274612	Q	64	00	>5	14	Lw		GnGy		GLLO
064C	831660	14	423376	6272073	Q	64	00	>5	25	Lw		Gy		GLLO
064C	831662	14	422397	6268700	T	02	00	.25-1	7	Lw		GnBn		TILL
064C	831663	14	424469	6267696	T	02	10	.25-1	7	Lw		Bn		GLLO
064C	831664	14	424469	6267696	T	02	20	.25-1	7	Lw		Bn		GLLO
064C	831665	14	423936	6266275	T	02	00	.25-1	14	Lw		Gn		TILL
064C	831666	14	426088	6266242	T	02	00	1-5	12	Lw		GnBn		TILL
064C	831667	14	426046	6269849	LRA	02	00	pond	6	Md		Bn		GLLO
064C	831668	14	426612	6271524	GC	02	00	.25-1	7	Lw		Gn		GLLO
064C	831670	14	428849	6271348	T	02	00	.25-1	14	Md		GnBn		TILL
064C	831671	14	429528	6268421	Q	64	00	.25-1	7	Md		GnBn		GLLO
064C	831672	14	429740	6266010	T	02	00	1-5	37	Md		GnGy		GLLO
064C	831673	14	432219	6268950	T	02	00	1-5	12	Md		GnGy		GLLO
064C	831674	14	433618	6268392	T	02	00	1-5	6	Md		GnGy		GLLO
064C	831675	14	433491	6265884	ZM	02	00	1-5	27	Md		Gy		TILL
064C	831676	14	437262	6262902	GA	02	00	pond	6	Lw		Gy		ROCK

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Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831633	125	22	12	36	16	<	1050	2.5	<	3.70	70	15.0	8.7	790	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831634	119	19	12	29	14	<	1000	2.0	<	3.50	70	11.4	5.1	640	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831635	152	26	15	42	16	<	563	2.0	<	3.80	80	14.8	5.5	840	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831636	160	24	8	29	10	<	380	2.5	<	2.45	50	46.4	3.7	590	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831637	145	40	15	47	18	<	666	3.0	<	4.25	60	14.6	26.6	990	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831638	121	25	8	39	11	<	359	2.0	<	2.80	50	29.4	26.2	820	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831639	72	23	4	23	8	<	170	1.0	<	0.90	80	45.4	17.3	370	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831640	120	28	10	40	14	<	465	2.0	<	3.20	50	24.6	34.4	870	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831642	73	27	6	28	10	<	294	1.0	<	1.45	70	24.0	18.5	520	30	<	<	ns	ns	ns	-	-	4	10.0	<	10.0
064C	831643	78	26	8	28	10	<	322	1.5	<	1.50	60	41.8	17.1	520	40	<	<	ns	ns	ns	-	-	3	10.0	<	10.0
064C	831644	90	33	8	32	10	<	295	2.0	2	1.95	60	30.8	34.8	790	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831645	150	29	12	40	16	<	545	2.0	<	4.00	70	17.6	19.4	870	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831647	140	42	14	45	18	<	930	3.0	2	4.00	60	12.6	11.4	890	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831648	151	36	14	48	15	<	387	1.5	2	3.50	80	23.2	27.6	920	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831649	134	37	8	33	12	<	546	1.0	<	3.65	90	30.0	43.4	690	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831650	46	38	10	43	15	<	537	1.0	<	3.15	80	24.0	49.0	800	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831651	137	27	3	24	13	<	235	<	<	1.60	80	49.6	38.4	300	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831652	145	34	10	46	16	0.2	355	1.5	<	3.30	60	15.6	12.3	880	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831653	134	32	10	43	14	<	323	1.5	2	3.80	50	20.0	39.0	760	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831654	121	38	10	42	12	<	310	1.5	<	2.80	50	25.0	18.2	830	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831655	111	34	12	40	15	<	625	2.0	2	3.20	30	6.2	6.2	830	60	<	<	ns	ns	ns	-	-	8	10.0	<	10.0
064C	831656	93	28	7	32	11	<	370	1.0	2	2.20	50	35.2	8.6	620	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831657	105	31	8	38	13	<	401	1.0	3	2.40	50	32.4	16.4	690	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831658	143	41	14	49	18	<	640	2.0	<	3.40	50	13.2	18.1	990	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831659	127	46	14	46	14	<	500	2.0	<	3.20	40	19.4	14.4	870	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831660	142	38	16	48	29	0.2	2900	9.5	<	6.10	40	6.8	6.2	950	75	<	.2	ns	ns	ns	-	-	4	10.0	<	10.0
064C	831662	65	28	3	19	4	<	347	<	2	0.85	60	62.4	15.6	200	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831663	64	27	6	24	7	<	250	1.0	2	1.30	40	61.6	5.8	320	35	<	<	ns	ns	ns	-	-	-	-	<3	3.0
064C	831664	74	28	5	26	8	<	255	1.0	3	1.35	30	61.6	5.8	420	35	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831665	138	28	9	42	13	<	383	1.5	<	3.15	50	25.0	6.0	680	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831666	113	30	10	39	12	<	310	1.0	<	2.80	60	32.0	6.3	730	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831667	72	23	6	26	7	<	296	<	<	1.60	60	46.2	17.7	440	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831668	85	25	6	29	10	<	320	1.0	<	1.70	40	42.4	12.3	540	40	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831670	117	32	10	41	13	<	324	1.5	<	3.00	70	25.2	15.7	640	55	<	<	ns	ns	ns	-	-	17	10.0	3	10.0
064C	831671	104	36	9	38	11	<	296	1.5	<	2.60	60	31.8	12.2	710	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831672	138	39	12	46	14	<	464	1.5	<	3.40	60	18.0	8.2	760	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831673	144	35	13	49	17	<	782	2.5	<	4.10	50	16.2	11.5	880	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831674	143	38	12	50	16	<	565	1.5	<	3.70	70	15.8	8.4	840	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831675	141	33	13	46	16	<	858	2.0	<	3.70	50	12.0	9.1	870	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831676	83	24	8	31	11	<	368	1.5	<	2.35	40	8.4	4.2	810	50	<	<	ns	ns	ns	-	-	3	10.0	<	10.0

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831633	<	76	7.0	3.24	0.84	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831634	<	76	6.9	3.23	0.84	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831635	<	76	7.1	4.57	1.30	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831636	<	78	7.3	8.06	3.11	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831637	.20	120	7.0	6.81	2.02	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831638	.12	240	7.2	10.30	3.79	36.0	ns	ns	ns	ns	ns	ns	ns
064C	831639	.10	240	6.6	5.26	1.56	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831640	.70	180	7.4	11.40	3.61	39.0	ns	ns	ns	ns	ns	ns	ns
064C	831642	.20	180	7.0	9.05	3.04	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831643	.10	210	7.2	8.97	3.00	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831644	.20	210	7.1	10.10	3.58	34.0	ns	ns	ns	ns	ns	ns	ns
064C	831645	.12	140	7.3	6.99	2.08	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831647	<	98	7.0	3.95	1.05	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831648	.30	220	7.0	10.50	3.50	35.0	ns	ns	ns	ns	ns	ns	ns
064C	831649	.24	160	7.1	7.56	2.36	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831650	.10	140	7.4	8.42	2.46	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831651	.12	140	7.1	5.66	1.64	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831652	.12	160	7.4	9.70	2.91	34.0	ns	ns	ns	ns	ns	ns	ns
064C	831653	.20	190	7.4	12.40	4.20	42.0	ns	ns	ns	ns	ns	ns	ns
064C	831654	.20	170	7.5	9.25	3.10	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831655	.06	110	7.1	4.48	1.21	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831656	<	120	7.3	9.13	2.84	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831657	<	200	7.0	8.26	2.74	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831658	<	72	7.1	4.42	1.19	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831659	<	78	6.9	4.28	1.15	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831660	<	80	7.1	4.26	1.14	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831662	.12	240	7.3	8.50	2.27	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831663	<	130	7.3	6.63	1.58	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831664	<	130	7.2	6.64	1.59	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831665	<	140	7.4	10.40	2.92	32.0	ns	ns	ns	ns	ns	ns	ns
064C	831666	<	140	6.9	9.70	2.94	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831667	<	180	7.4	9.80	3.24	31.0	ns	ns	ns	ns	ns	ns	ns
064C	831668	<	150	6.8	7.40	2.34	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831670	.06	160	7.5	12.00	3.77	38.0	ns	ns	ns	ns	ns	ns	ns
064C	831671	<	140	6.9	10.50	3.63	35.0	ns	ns	ns	ns	ns	ns	ns
064C	831672	<	130	7.4	10.30	3.29	33.0	ns	ns	ns	ns	ns	ns	ns
064C	831673	<	130	7.0	10.50	3.37	34.0	ns	ns	ns	ns	ns	ns	ns
064C	831674	<	120	7.0	10.10	3.29	33.0	ns	ns	ns	ns	ns	ns	ns
064C	831675	<	130	7.3	10.30	3.31	36.0	ns	ns	ns	ns	ns	ns	ns
064C	831676	<	110	7.0	13.80	4.72	47.0	ns	ns	ns	ns	ns	ns	ns

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831677	14	434127	6264040	T	02	00	>5	33	Md		GnGy		TILL
064C	831678	14	431498	6263852	Q	64	00	.25-1	7	Md		GnGy		GLLO
064C	831679	14	429400	6262573	Q	64	00	.25-1	6	Md		GnBn		GLLO
064C	831680	14	426050	6263718	T	02	00	1-5	12	Md		GnGy		TILL
064C	831682	14	424077	6264662	T	02	00	.25-1	7	Md		GnBn		TILL
064C	831683	14	418952	6263653	T	02	10	1-5	13	Lw		Gy		TILL
064C	831684	14	418952	6263653	T	02	20	1-5	13	Lw		Gy		TILL
064C	831685	14	416759	6264247	T	02	00	pond	6	Lw		GnGy		TILL
064C	831686	14	416261	6267480	LRA	02	00	.25-1	18	Md		GnGy		GLLO
064C	831687	14	418654	6269303	T	02	00	.25-1	8	Md		Gn		TILL
064C	831688	14	417857	6272335	T	02	00	1-5	27	Md		GnGy		GLLO
064C	831690	14	418299	6274090	T	02	00	pond	7	Lw		GnGy		GLLO
064C	831691	14	418256	6277672	GA	02	00	.25-1	16	Md		GnBn		TILL
064C	831692	14	419254	6279365	GA	02	00	1-5	19	Lw		GnGy		TILL
064C	831693	14	418981	6282299	G	02	00	.25-1	19	Md		Gn		ROCK
064C	831694	14	419751	6284413	G	02	00	.25-1	12	Md		Gn		TILL
064C	831695	14	417193	6284471	GA	02	00	.25-1	40	Md		GnBn		TILL
064C	831696	14	415814	6282389	Q	64	00	.25-1	15	Md		Gn		TILL
064C	831697	14	415577	6279839	Q	64	00	pond	9	Lw		Gn		TILL
064C	831698	14	416890	6277459	Q	64	00	1-5	9	Lw		GnGy		TILL
064C	831699	14	412828	6277378	Q	64	00	1-5	21	Lw		Gn		TILL
064C	831700	14	414436	6280115	Q	64	00	1-5	19	Lw		GnGy		TILL
064C	831702	14	413184	6281546	Q	64	00	1-5	6	Lw		Bn		ORG
064C	831703	14	412950	6284491	Q	64	10	pond	9	Lw		Gn		TILL
064C	831704	14	412950	6284491	Q	64	20	pond	9	Lw		Gn		TILL
064C	831705	14	409736	6282000	PT	02	00	.25-1	7	Lw		Bn		ORG
064C	831706	14	408660	6283584	PT	02	00	.25-1	6	Lw		Bn		ORG
064C	831707	14	409251	6284870	PT	02	00	.25-1	7	Lw		Bn		ORG
064C	831708	14	404424	6286129	PT	02	00	pond	6	Lw		Bn		TILL
064C	831709	14	400428	6285716	PT	02	00	1-5	6	Lw		Bn		TILL
064C	831710	14	398856	6284797	PT	02	00	pond	6	Lw		Bn		TILL
064C	831711	14	395535	6284827	PT	02	00	.25-1	7	Lw		Bn		ROCK
064C	831712	14	393129	6285104	PD	02	00	.25-1	8	Lw		Bn		TILL
064C	831713	14	390823	6286115	PT	02	00	1-5	16	Lw		Gn		TILL
064C	831714	14	387405	6284653	WVr	02	00	.25-1	6	Lw		Bn		TILL
064C	831715	14	383392	6286594	WVpb	02	00	.25-1	7	Lw		Bn		TILL
064C	831717	14	381066	6285526	PT	02	00	.25-1	6	Lw		Bn		TILL
064C	831718	14	378782	6285188	PG	02	00	.25-1	7	Lw		Gn		TILL
064C	831719	14	376263	6285092	PG	02	00	.25-1	10	Lw		Gn		TILL
064C	831720	14	374229	6286101	PT	02	00	>5	35	Lw		GnGy		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831677	147	34	12	50	18	<	762	2.0	<	3.80	40	13.4	8.4	940	70	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831678	146	33	12	47	14	<	332	1.5	<	3.50	40	16.8	7.2	910	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831679	128	35	11	44	12	<	342	1.5	<	3.00	50	22.8	5.8	850	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831680	160	42	13	51	19	<	784	3.0	<	4.95	40	17.6	10.1	790	80	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831682	98	31	10	36	12	<	394	2.0	<	2.65	50	33.6	5.2	740	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831683	115	30	13	42	14	<	462	2.0	<	2.95	50	13.6	9.1	700	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831684	142	38	16	50	17	0.2	514	2.0	<	3.45	70	14.8	8.4	840	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831685	122	31	10	40	12	<	451	1.5	<	2.80	60	29.0	4.5	700	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831686	150	33	12	46	14	<	351	1.5	<	3.35	70	16.8	4.2	760	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831687	119	30	12	40	13	<	382	1.5	2	2.95	50	28.4	6.4	760	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831688	149	40	14	48	15	<	592	1.5	<	3.50	90	21.2	6.0	820	65	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831690	147	28	10	45	14	<	386	2.0	<	3.30	70	20.0	4.2	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831691	136	32	12	44	14	<	455	1.5	<	3.25	80	21.4	5.2	750	60	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831692	150	42	14	50	17	<	500	2.0	<	3.60	70	19.4	5.5	760	75	<	<	ns	ns	ns	-	-	-	-	2	10.0
064C	831693	131	31	10	40	13	<	410	2.0	<	3.20	90	21.4	3.9	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831694	146	29	11	44	15	<	420	1.0	<	3.15	80	19.2	3.8	770	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831695	156	34	6	33	15	<	885	1.0	<	2.80	100	30.0	4.0	580	60	0.4	<	ns	ns	ns	-	-	3	7.5	7	10.0
064C	831696	135	25	9	40	13	<	432	1.5	<	2.95	90	25.2	4.9	620	55	<	<	ns	ns	ns	-	-	-	-	2	10.0
064C	831697	131	25	10	39	14	<	500	1.0	2	2.85	70	28.0	4.6	650	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831698	143	31	10	43	16	<	450	1.5	<	2.10	70	17.2	5.4	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831699	109	26	11	35	13	<	330	2.0	<	2.10	70	26.8	5.1	760	50	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831700	128	28	12	42	16	<	490	2.0	2	2.55	60	23.2	4.6	760	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831702	126	24	10	36	14	<	442	2.0	2	1.65	70	30.6	3.8	660	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831703	109	24	10	34	12	<	376	1.5	2	2.10	80	34.2	4.8	650	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831704	108	23	8	33	12	<	338	2.0	2	2.15	70	33.8	4.9	640	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831705	80	16	6	20	8	<	430	2.0	<	1.20	60	66.4	2.6	500	30	0.2	<	ns	ns	ns	-	-	10	2.5	11	7.5
064C	831706	95	21	7	30	10	<	405	2.0	<	1.65	80	49.0	3.4	520	35	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831707	76	21	7	28	10	<	354	1.5	2	1.60	70	45.2	3.6	520	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831708	95	12	4	22	8	<	320	1.0	<	1.25	80	40.2	2.2	370	30	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831709	80	22	8	30	10	<	282	1.5	<	1.70	70	46.4	4.5	540	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831710	62	12	3	16	8	<	220	1.0	<	0.70	960	55.6	1.1	260	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831711	89	20	4	17	8	<	475	1.5	9	1.00	70	61.8	1.1	320	20	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831712	78	13	3	18	8	<	266	1.0	2	0.65	80	53.6	1.2	240	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831713	135	22	8	30	12	<	490	1.5	2	2.10	90	24.4	3.1	600	45	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831714	79	12	2	14	9	<	490	1.0	<	1.25	90	47.4	1.6	300	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831715	48	8	2	5	4	<	235	2.0	3	0.60	60	72.8	1.3	210	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831717	120	16	3	14	9	<	418	1.5	<	1.45	60	50.8	1.5	270	20	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831718	78	12	4	12	8	<	338	1.5	<	1.30	60	28.6	2.4	330	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831719	58	14	2	15	8	<	445	1.0	<	1.05	50	38.4	3.3	270	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831720	90	19	5	13	8	<	630	2.0	2	2.10	60	19.8	3.3	380	30	<	<	ns	ns	ns	-	-	<	10.0	6	10.0

Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831677	<	66	7.1	9.92	3.24	33.0	ns	ns	ns	ns	ns	ns	ns
064C	831678	<	70	6.8	12.20	4.33	37.0	ns	ns	ns	ns	ns	ns	ns
064C	831679	<	84	6.8	11.20	3.78	34.0	ns	ns	ns	ns	ns	ns	ns
064C	831680	<	92	7.2	10.10	3.23	33.0	ns	ns	ns	ns	ns	ns	ns
064C	831682	<	78	7.3	8.66	2.60	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831683	<	74	7.0	4.29	1.16	15.0	ns	ns	ns	ns	ns	ns	ns
064C	831684	<	74	6.6	4.24	1.15	15.0	ns	ns	ns	ns	ns	ns	ns
064C	831685	<	86	6.9	8.30	3.05	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831686	<	88	6.9	10.80	3.39	34.0	ns	ns	ns	ns	ns	ns	ns
064C	831687	<	90	6.8	8.43	2.85	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831688	<	84	6.9	10.20	2.30	33.0	ns	ns	ns	ns	ns	ns	ns
064C	831690	<	88	6.9	8.32	2.68	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831691	<	110	6.8	7.38	2.38	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831692	<	90	7.4	9.70	3.11	35.0	ns	ns	ns	ns	ns	ns	ns
064C	831693	<	88	7.3	8.80	2.89	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831694	<	82	6.7	7.00	2.32	121.0	ns	ns	ns	ns	ns	ns	ns
064C	831695	<	80	6.8	4.71	1.37	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831696	<	90	6.9	8.90	2.95	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831697	<	78	6.8	6.84	2.54	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831698	<	84	7.0	9.53	3.04	31.0	ns	ns	ns	ns	ns	ns	ns
064C	831699	<	86	6.8	6.61	2.20	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831700	<	76	7.0	6.28	2.03	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831702	<	62	6.8	5.42	1.79	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831703	<	94	6.9	8.87	3.64	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831704	<	94	6.8	8.76	3.60	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831705	<	62	6.6	4.59	1.32	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831706	<	68	6.7	5.91	2.15	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831707	<	70	6.6	5.87	2.27	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831708	<	66	6.4	5.14	1.63	15.0	ns	ns	ns	ns	ns	ns	ns
064C	831709	<	62	7.1	6.22	1.90	21.0	ns	ns	ns	ns	ns	ns	ns
064C	831710	<	58	6.9	7.82	1.26	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831711	<	52	6.8	4.82	0.79	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831712	<	56	6.8	3.99	1.08	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831713	<	52	6.9	4.03	0.98	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831714	<	52	6.4	4.35	0.71	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831715	<	50	7.2	6.31	1.13	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831717	<	48	6.8	2.40	0.52	8.0	ns	ns	ns	ns	ns	ns	ns
064C	831718	<	50	6.9	3.00	0.59	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831719	<	52	6.4	2.89	0.58	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831720	<	48	6.5	3.06	0.56	10.0	ns	ns	ns	ns	ns	ns	ns

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831722	14	373866	6289388	PT	02	00	.25-1	31	Lw		GnBn		TILL
064C	831723	14	373915	6292865	WVpb	02	10	pond	6	Lw		Bn		TILL
064C	831724	14	373915	6292865	WVpb	02	20	pond	6	Lw		Bn		TILL
064C	831725	14	373417	6283232	PT	02	00	1-5	60	Lw		GnBn		ORG
064C	831727	14	370003	6283125	PT	02	00	.25-1	6	Lw		Bn		ROCK
064C	831728	14	367728	6280828	SSh	02	00	.25-1	8	Lw		Bn		ORG
064C	831729	14	363125	6280891	SSh	02	00	1-5	17	Lw		GnBn		ORG
064C	831826	14	364080	6278884	G	02	00	.25-1	8	Lw		Bn		ORG
064C	831827	14	366787	6278306	G	02	00	.25-1	16	Lw		Bn		TILL
064C	831828	14	369453	6278646	SSh	02	00	pond	6	Lw		Bn		ORG
064C	831829	14	375323	6291118	WVr	02	00	1-5	16	Lw		Bn		TILL
064C	831830	14	377278	6282358	PG	02	00	1-5	10	Lw		Bn		TILL
064C	831831	14	378689	6283187	PG	02	00	pond	5	Lw		Bn		TILL
064C	831832	14	381148	6282369	PG	02	00	.25-1	6	Lw		Bn		TILL
064C	831833	14	389777	6284136	PT	02	00	pond	7	Lw		Bn		TILL
064C	831834	14	392777	6283740	PD	02	00	pond	8	Lw		Bn		TILL
064C	831835	14	395010	6282814	PD	02	00	>5	37	Lw		Gy		TILL
064C	831837	14	397258	6282168	SS	02	00	.25-1	6	Lw		Bn		TILL
064C	831838	14	401071	6282218	B	02	00	1-5	9	Lw		GnGy		TILL
064C	831839	14	403589	6281881	PT	02	00	1-5	6	Lw		Bn		ORG
064C	831840	14	404749	6279944	PT	02	00	.25-1	6	Lw		Bn		ORG
064C	831842	14	408655	6279699	Q	64	10	1-5	8	Lw		GnBn		ORG
064C	831843	14	408655	6279699	Q	64	20	1-5	8	Lw		GnBn		ORG
064C	831844	14	408939	6277133	GA	02	00	.25-1	11	Md		GnGy		TILL
064C	831845	14	411309	6277577	GA	02	00	.25-1	29	Lw		GnBn		TILL
064C	831846	14	410574	6275144	GA	02	00	1-5	85	Md		GnGy		TILL
064C	831847	14	414482	6274759	T	02	00	pond	9	Lw		GnBn		TILL
064C	831849	14	416687	6272288	T	02	00	.25-1	6	Md		Gy		TILL
064C	831850	14	415419	6268822	Q	64	00	.25-1	7	Md		Bn		GLLO
064C	831851	14	414048	6265556	T	02	00	>5	45	Md		GnGy		TILL
064C	831908	14	410978	6265070	Q	64	00	pond	7	Lw		Bn		GLLO
064C	831909	14	410464	6266962	Q	64	00	.25-1	7	Lw		GnBn		GLLO
064C	831910	14	411309	6268628	Q	64	00	1-5	12	Md		GnBn		GLLO
064C	831911	14	412557	6268292	Q	64	00	1-5	7	Lw		Gn		GLLO
064C	831912	14	414163	6271385	Q	64	00	pond	15	Lw		Gn		TILL
064C	831913	14	415485	6273692	T	02	00	1-5	20	Lw		GnBn		TILL
064C	831914	14	411546	6272030	T	02	00	1-5	21	Lw		GnGy		TILL
064C	831915	14	409069	6272251	GA	02	00	.25-1	23	Lw		GnGy		TILL
064C	831916	14	408568	6269983	GA	02	00	1-5	23	Lw		GnGy		TILL
064C	831917	14	407363	6266312	GA	02	00	1-5	21	Lw		GnGy		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831722	47	20	2	8	4	<	222	1.5	2	0.85	50	23.2	2.3	360	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831723	43	30	4	11	4	<	223	1.0	<	0.65	90	70.2	1.1	290	15	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831724	45	27	2	16	4	<	280	1.0	2	0.65	80	69.0	1.1	260	15	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831725	96	17	3	14	6	<	458	2.0	3	2.40	70	24.8	3.2	390	30	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831727	47	21	5	13	4	0.2	146	1.0	<	0.90	50	39.2	1.5	310	15	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831728	44	15	3	11	5	<	358	2.5	2	0.90	70	41.8	1.7	170	15	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831729	62	23	<	14	7	<	278	2.5	2	1.80	60	34.8	1.7	260	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831826	78	21	<	12	6	<	330	3.5	3	3.00	60	49.0	2.1	190	30	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831827	76	18	<	10	7	0.2	468	1.5	<	2.40	70	38.6	2.6	220	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831828	45	12	2	9	4	<	371	1.5	<	0.95	70	41.2	2.5	180	10	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831829	32	11	2	6	5	<	297	1.0	<	1.10	40	5.4	2.1	190	10	<	<	ns	ns	ns	-	-	3	10.0	<	10.0
064C	831830	72	16	4	14	8	<	276	<	<	1.15	50	39.6	1.7	280	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831831	89	14	5	15	8	<	247	1.0	<	1.10	80	61.4	1.1	250	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831832	65	20	4	17	8	<	336	1.0	2	0.85	70	46.2	1.7	250	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831833	78	20	3	18	9	<	200	1.0	<	0.80	60	43.6	1.1	230	15	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831834	45	19	4	15	4	<	153	<	<	0.60	70	36.0	1.4	220	10	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831835	92	17	8	35	16	<	1000	2.5	<	3.20	60	12.8	3.9	580	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831837	62	19	5	23	8	<	266	1.5	<	1.00	70	49.2	1.8	310	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831838	45	16	6	20	9	<	222	3.0	<	1.50	40	9.0	3.3	530	25	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831839	115	24	7	36	13	<	365	1.0	<	2.20	70	34.6	2.8	680	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831840	88	16	3	24	12	<	332	1.5	<	1.00	60	58.8	2.6	290	25	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831842	86	16	3	16	7	<	290	1.0	2	1.00	50	71.0	2.3	290	20	<	<	ns	ns	ns	-	-	-	-	<2	5.0
064C	831843	80	17	4	15	5	<	275	1.5	4	0.80	40	75.8	2.3	330	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831844	150	26	10	44	18	<	411	1.5	2	3.30	50	16.2	5.1	680	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831845	74	29	4	26	10	<	311	1.5	3	2.00	50	54.6	4.4	480	40	<	ns	ns	ns	ns	-	-	16	10.0	14	10.0
064C	831846	112	32	11	36	15	<	695	3.0	2	2.95	70	17.4	5.9	660	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831847	103	24	8	33	12	<	295	1.5	<	2.25	60	28.6	3.9	700	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831849	110	30	12	43	16	<	530	2.5	2	3.20	40	7.6	4.5	820	55	<	.2	ns	ns	ns	-	-	<	10.0	1	10.0
064C	831850	62	20	6	27	9	<	322	1.5	2	1.40	60	52.8	2.2	360	25	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831851	126	32	14	42	16	0.2	450	3.0	2	3.40	80	15.8	6.5	680	60	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831908	54	17	5	23	6	<	395	1.5	2	1.70	50	54.2	5.8	450	30	0.2	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831909	90	21	9	33	11	<	327	1.5	<	2.95	50	23.4	6.1	830	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831910	80	29	8	34	9	<	352	1.5	<	2.80	80	33.6	5.0	650	50	<	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	831911	66	26	10	31	7	<	340	1.5	<	2.55	40	41.8	3.8	850	50	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831912	86	32	11	36	9	<	320	1.5	<	3.10	50	37.0	3.7	670	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831913	83	37	9	38	11	<	355	1.5	<	3.25	50	23.6	4.6	780	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831914	107	29	11	39	12	<	390	2.0	<	3.30	60	16.2	5.1	850	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831915	97	30	13	37	10	<	412	2.0	<	3.25	60	19.2	4.5	790	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831916	99	33	11	37	10	<	414	1.5	<	3.30	70	23.2	5.0	800	60	0.3	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831917	106	30	12	40	5	<	450	1.5	<	3.50	60	19.2	5.0	740	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0

Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831722	<	38	6.7	4.40	0.78	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831723	<	40	7.2	17.30	2.23	40.0	ns	ns	ns	ns	ns	ns	ns
064C	831724	<	44	7.0	17.30	2.22	39.0	ns	ns	ns	ns	ns	ns	ns
064C	831725	<	42	6.6	3.78	0.89	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831727	<	40	6.9	3.88	0.87	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831728	<	62	6.8	5.82	1.40	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831729	<	56	6.9	4.51	1.11	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831826	<	98	7.0	4.03	1.03	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831827	<	120	7.3	5.30	1.11	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831828	<	110	6.8	6.27	1.39	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831829	<	68	7.2	7.77	1.30	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831830	<	68	7.0	3.00	0.76	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831831	<	58	6.3	2.15	0.66	6.0	ns	ns	ns	ns	ns	ns	ns
064C	831832	<	64	6.9	3.38	1.04	10.0	ns	ns	ns	ns	ns	ns	ns
064C	831833	<	62	6.8	3.97	0.85	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831834	<	62	7.0	4.79	1.55	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831835	<	48	7.3	4.81	1.34	15.0	ns	ns	ns	ns	ns	ns	ns
064C	831837	<	58	7.0	9.10	1.60	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831838	<	52	6.9	3.50	0.66	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831839	<	50	6.9	4.13	1.08	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831840	<	48	6.9	3.94	1.28	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831842	<	44	7.1	3.44	1.07	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831843	<	40	6.9	3.46	1.08	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831844	<	62	7.2	7.62	2.64	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831845	<	74	7.5	8.82	2.83	32.0	ns	ns	ns	ns	ns	ns	ns
064C	831846	<	82	7.4	7.60	2.39	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831847	<	74	7.2	7.05	2.17	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831849	<	78	7.3	8.02	2.38	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831850	<	94	7.3	7.03	2.21	23.0	ns	ns	ns	ns	ns	ns	ns
064C	831851	.06	120	7.5	8.53	2.66	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831908	<	96	7.1	8.61	3.62	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831909	<	120	7.3	8.57	2.93	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831910	<	110	7.0	8.70	2.87	29.0	ns	ns	ns	ns	ns	ns	ns
064C	831911	<	88	7.3	6.39	2.33	24.0	ns	ns	ns	ns	ns	ns	ns
064C	831912	<	90	7.0	7.77	3.11	27.0	ns	ns	ns	ns	ns	ns	ns
064C	831913	<	88	7.4	9.96	3.36	31.0	ns	ns	ns	ns	ns	ns	ns
064C	831914	<	92	7.0	8.00	2.78	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831915	<	82	7.4	7.69	2.67	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831916	<	82	7.3	7.68	2.66	26.0	ns	ns	ns	ns	ns	ns	ns
064C	831917	<	86	7.5	9.24	3.10	30.0	ns	ns	ns	ns	ns	ns	ns

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	831918	14	405123	6263899	GA	02	00	1-5	6	Lw		Gy		TILL
064C	831919	14	406703	6263622	GA	02	00	pond	12	Lw		GnBn		TILL
064C	831933	14	405800	6266400	GA	02	00	1-5	14	Md		Bn		TILL
064C	831934	14	405971	6270017	GA	02	00	1-5	8	Md		GyBn		TILL
064C	831935	14	404691	6271379	GA	02	00	1-5	17	Md		GnBn		TILL
064C	831936	14	407353	6274288	GA	02	00	1-5	8	Md		GyBn		ROCK
064C	831937	14	405700	6275069	GA	02	00	.25-1	15	Md		Bn		TILL
064C	831938	14	405246	6276863	B	02	00	pond	9	Lw		Bn		ORG
064C	831939	14	402627	6277636	B	02	00	pond	21	Lw		Bn		TILL
064C	831940	14	402225	6279658	B	02	00	.25-1	33	Lw		Bn		ROCK
064C	831942	14	400845	6281061	B	02	00	pond	6	Lw		Bn		ROCK
064C	831943	14	398356	6279851	SS	02	00	>5	94	Md		GnBn		TILL
064C	831944	14	395253	6280791	SS	02	00	.25-1	7	Lw		Bn		TILL
064C	831945	14	393065	6280692	PT	02	00	>5	37	Lw		GnGy		TILL
064C	831946	14	389318	6279075	SS	02	10	>5	30	Md		Gy		TILL
064C	831947	14	389318	6279075	SS	02	20	>5	30	Md		Gy		TILL
064C	831948	14	387239	6279647	SS	02	00	.25-1	6	Md		Bn		ORG
064C	831949	14	376912	6280131	PG	02	00	.25-1	7	Lw		Bn		ORG
064C	831950	14	373796	6279818	PT	02	00	.25-1	6	Lw		Bn		ORG
064C	831951	14	374040	6278450	Q	64	00	.25-1	6	Lw		Bn		ORG
064C	831952	14	375781	6277208	Q	64	00	.25-1	7	Lw		Bn		ORG
064C	831954	14	378365	6276742	SS	02	00	.25-1	8	Lw		Bn		TILL
064C	831955	14	380648	6277855	BTD	02	00	.25-1	6	Lw		Bn		TILL
064C	831956	14	384477	6278223	BTD	02	00	1-5	6	Lw		Bn		ORG
064C	831957	14	386432	6278819	BTD	02	00	.25-1	16	Lw		GnGy		TILL
064C	831958	14	388631	6277582	SS	02	00	>5	37	Lw		Gy		TILL
064C	831959	14	392781	6277864	SS	02	00	>5	15	Md		Gy		TILL
064C	831960	14	394934	6277423	SS	02	00	.25-1	7	Lw		Bn		TILL
064C	831962	14	398657	6277864	SS	02	00	>5	108	Md		Gy		TILL
064C	831963	14	399843	6277777	PT	02	00	pond	6	Lw		Bn		TILL
064C	831964	14	399102	6274734	B	02	00	>5	110	Md		GnGy		TILL
064C	831965	14	402526	6274542	B	02	10	pond	14	Lw		Bn		ROCK
064C	831966	14	402526	6274542	B	02	20	pond	14	Lw		Bn		ROCK
064C	831967	14	403127	6271948	B	02	00	.25-1	6	Lw		Bn		TILL
064C	831968	14	403395	6269307	B	02	00	.25-1	5	Lw		Bn		ROCK
064C	831969	14	402600	6267300	GA	02	00	.25-1	42	Lw		GnBn		ROCK
064C	831970	14	403237	6263715	GA	02	00	.25-1	6	Lw		Bn		TILL
064C	833058	14	399425	6264739	SS	02	00	>5	16	Lw		Gy		TILL
064C	833059	14	399700	6267500	SC	02	00	>5	29	Md		GnGy		TILL
064C	833060	14	400150	6269939	SC	02	00	>5	110	Md		GnGy		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	831918	33	9	5	11	6	<	257	1.0	<	1.00	30	3.0	2.1	420	20	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831919	71	27	9	33	8	0.2	350	2.0	<	2.65	50	34.0	4.2	660	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831933	128	22	10	34	12	<	590	1.5	<	3.60	70	20.0	3.9	640	55	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831934	62	11	6	18	6	<	320	1.5	<	1.80	40	9.8	3.5	510	30	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831935	73	26	3	20	9	<	475	1.0	2	3.00	50	42.6	2.1	400	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831936	127	26	12	43	16	<	640	2.5	<	4.10	40	13.6	5.1	600	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831937	116	22	9	34	12	<	540	1.0	<	3.45	70	21.0	3.6	660	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831938	64	11	3	15	6	<	290	<	<	1.20	50	45.2	1.3	210	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831939	43	29	4	17	4	<	210	1.0	<	0.95	80	56.8	1.5	220	20	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831940	82	24	11	28	8	<	327	1.5	<	2.85	110	31.8	2.2	430	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831942	46	20	3	18	4	<	212	<	<	0.70	70	48.0	1.5	190	10	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831943	110	30	12	65	9	0.2	780	2.5	<	4.40	70	20.2	3.5	450	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831944	48	13	4	15	2	<	510	<	3	1.00	50	60.0	3.6	220	15	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831945	105	22	8	33	10	<	755	2.0	<	3.50	40	15.6	4.2	540	45	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831946	66	13	9	20	11	<	1150	2.0	<	2.50	30	8.2	4.7	400	40	<	<	ns	ns	ns	-	-	<	10.0	<	10.0
064C	831947	56	13	8	18	13	<	1010	1.5	<	2.35	30	7.6	4.3	480	35	<	<	ns	ns	ns	-	-	7	10.0	4	10.0
064C	831948	77	16	7	24	8	<	426	2.0	<	2.35	50	22.0	3.4	620	40	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831949	54	15	2	10	5	<	227	1.5	<	1.10	60	65.8	1.9	190	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831950	47	13	<	12	4	<	204	1.5	<	1.25	50	39.2	2.2	290	20	<	<	ns	ns	ns	-	-	-	-	1	10.0
064C	831951	50	9	<	9	4	<	210	2.0	<	1.15	60	53.4	1.7	170	15	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831952	47	8	3	12	4	<	300	3.0	<	0.95	50	38.6	3.5	290	10	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831954	47	11	3	10	3	<	355	2.5	3	0.80	50	56.0	4.5	190	15	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831955	60	16	5	18	4	<	217	1.5	<	1.30	50	39.8	3.1	310	20	0.2	<	ns	ns	ns	-	-	<	10.0	5	10.0
064C	831956	63	17	6	25	7	<	215	2.5	<	1.60	50	38.6	3.8	400	25	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831957	78	23	9	28	8	<	450	3.0	3	2.55	40	28.6	6.6	670	45	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831958	115	22	10	30	16	0.2	1600	3.5	<	3.95	30	14.0	6.1	670	55	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831959	111	21	9	33	11	<	590	2.5	<	3.30	50	14.2	5.3	700	50	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831960	59	14	5	16	5	<	340	1.5	<	1.05	40	56.2	2.5	250	20	<	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831962	120	36	19	76	11	0.2	860	4.5	3	4.65	80	21.2	3.1	570	55	0.3	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831963	50	16	4	20	6	<	190	1.0	<	0.70	50	49.6	1.2	150	20	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831964	110	38	16	78	12	<	830	3.5	2	4.50	70	20.8	3.5	640	55	0.2	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	831965	49	32	2	21	8	<	285	1.5	2	1.70	60	44.8	1.3	240	30	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831966	48	33	3	22	10	<	294	2.0	2	1.80	60	46.2	1.1	230	35	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831967	50	12	2	16	3	<	162	2.0	<	0.65	60	64.6	1.4	220	15	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831968	62	29	3	22	10	<	442	2.5	3	1.50	50	36.8	2.2	310	30	0.2	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831969	86	50	3	22	7	<	720	2.0	5	2.30	60	38.6	1.1	340	45	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	831970	52	28	4	19	7	<	400	2.0	3	1.30	50	52.6	2.2	300	20	0.2	.2	ns	ns	ns	-	-	<	10.0	4	10.0
064C	833058	96	35	11	38	16	<	470	2.0	<	3.30	50	6.6	4.4	740	50	<	.2	ns	ns	ns	-	-	5	10.0	<	10.0
064C	833059	108	45	13	42	16	<	1120	8.5	3	3.90	40	15.2	6.4	730	60	0.4	.2	ns	ns	ns	-	-	-	-	2	10.0
064C	833060	120	40	12	38	14	<	601	2.5	2	3.85	70	16.8	4.2	700	60	<	.2	ns	ns	ns	-	-	-	-	<	10.0

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	831918	<	78	7.1	6.14	2.14	20.0	ns	ns	ns	ns	ns	ns	ns
064C	831919	<	84	6.9	6.75	2.33	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831933	<	76	7.0	6.13	2.15	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831934	<	52	7.2	6.04	2.20	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831935	<	48	7.1	3.84	1.27	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831936	<	54	7.2	6.10	2.26	19.0	ns	ns	ns	ns	ns	ns	ns
064C	831937	<	54	7.0	4.44	1.60	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831938	<	50	7.0	3.25	1.17	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831939	<	48	7.0	2.39	0.85	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831940	<	50	6.7	4.38	1.40	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831942	<	46	6.7	3.70	0.99	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831943	<	50	7.0	4.63	1.30	14.0	ns	ns	ns	ns	ns	ns	ns
064C	831944	<	56	7.2	11.40	2.21	32.0	ns	ns	ns	ns	ns	ns	ns
064C	831945	<	52	7.1	5.04	1.40	16.0	ns	ns	ns	ns	ns	ns	ns
064C	831946	<	54	7.2	5.53	1.53	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831947	<	54	7.2	5.58	1.54	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831948	<	56	7.3	7.78	1.91	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831949	<	52	6.7	2.54	0.66	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831950	<	50	6.6	3.24	0.73	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831951	.06	50	7.2	3.52	1.03	11.0	ns	ns	ns	ns	ns	ns	ns
064C	831952	<	54	7.4	5.95	1.40	17.0	ns	ns	ns	ns	ns	ns	ns
064C	831954	<	70	7.4	7.20	2.15	25.0	ns	ns	ns	ns	ns	ns	ns
064C	831955	<	64	7.1	3.96	1.01	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831956	<	68	7.4	7.30	2.29	22.0	ns	ns	ns	ns	ns	ns	ns
064C	831957	<	64	7.5	8.24	2.86	30.0	ns	ns	ns	ns	ns	ns	ns
064C	831958	<	60	7.2	5.49	1.51	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831959	<	62	7.3	5.80	1.58	18.0	ns	ns	ns	ns	ns	ns	ns
064C	831960	<	58	7.4	10.30	1.89	28.0	ns	ns	ns	ns	ns	ns	ns
064C	831962	<	56	6.5	4.35	0.92	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831963	<	52	6.2	4.07	1.14	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831964	<	56	6.5	4.41	0.94	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831965	<	48	6.2	3.25	0.66	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831966	<	52	6.4	3.27	0.67	9.0	ns	ns	ns	ns	ns	ns	ns
064C	831967	<	46	5.6	1.84	0.45	5.0	ns	ns	ns	ns	ns	ns	ns
064C	831968	<	52	6.8	4.41	0.86	12.0	ns	ns	ns	ns	ns	ns	ns
064C	831969	<	56	6.8	4.14	0.72	13.0	ns	ns	ns	ns	ns	ns	ns
064C	831970	<	62	7.0	4.73	1.13	15.0	ns	ns	ns	ns	ns	ns	ns
064C	833058	<	44	7.3	6.99	1.89	21.0	ns	ns	ns	ns	ns	ns	ns
064C	833059	<	44	7.4	9.69	3.16	35.0	ns	ns	ns	ns	ns	ns	ns
064C	833060	<	46	6.9	6.88	1.86	21.0	ns	ns	ns	ns	ns	ns	ns

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	833062	14	399005	6271347	SS	02	00	>5	65	Md		GnGy		TILL
064C	833063	14	397386	6273044	SS	02	10	.25-1	9	Md		GnBn		TILL
064C	833064	14	397386	6273044	SS	02	20	.25-1	9	Md		GnBn		TILL
064C	833065	14	396681	6275552	SS	02	00	1-5	16	Md		Gn		TILL
064C	833315	14	362344	6275732	T	02	00	.25-1	6	Lw		Bn		TILL
064C	833425	14	369361	6273745	T	02	00	1-5	12	Lw		Bn		TILL
064C	833426	14	368348	6274920	T	02	00	.25-1	8	Lw		Bn		TILL
064C	833427	14	366764	6275452	T	02	00	1-5	11	Lw		GnBn		TILL
064C	833428	14	373653	6274715	Q	64	00	pond	7	Md		Bn		TILL
064C	833429	14	374078	6273456	G	02	00	.25-1	7	Lw		Bn		TILL
064C	833471	14	372155	6273291	T	02	00	.25-1	8	Lw		Bn		ORG
064C	833472	14	372043	6276297	SSh	02	00	pond	6	Lw		Bn		ORG
064C	833474	14	371074	6277624	SSh	02	00	.25-1	9	Lw		Bn		ORG
064C	835002	14	376611	6274429	G	02	00	1-5	18	Md		GnBn		ROCK
064C	835003	14	378479	6274449	SS	02	00	.25-1	6	Lw		Bn		TILL
064C	835004	14	382453	6276230	SS	02	00	>5	15	Lw		GnGy		TILL
064C	835005	14	383799	6274962	SS	02	00	>5	18	Md		GnGy		TILL
064C	835006	14	385994	6275296	WW	02	10	pond	32	Lw		GyBn		TILL
064C	835007	14	385994	6275296	WW	02	20	pond	32	Lw		GyBn		TILL
064C	835008	14	388817	6275160	SC	02	00	>5	65	Md		GnGy		ROCK
064C	835009	14	392897	6275431	SS	02	00	1-5	30	Md		GyBn		TILL
064C	835010	14	394370	6274343	SS	02	00	1-5	20	*		GyBn		TILL
064C	835043	14	391898	6272643	SC	02	00	1-5	54	Md		Bn		ROCK
064C	835044	14	389811	6273171	WW	02	00	.25-1	20	Md		GyBn		ROCK
064C	835045	14	386680	6272579	WW	02	00	.25-1	21	Lw		GyBn		TILL
064C	835046	14	384528	6273254	WW	02	00	.25-1	6	Lw		Bn		TILL
064C	835047	14	381716	6272697	WW	02	00	1-5	18	Lw		GyBn		TILL
064C	851003	14	377620	6291320	WVpb	02	10	1-5	003	Md	Wk	GrBn	Lgt	TILL
064C	851004	14	377620	6291320	WVpb	02	20	1-5	003	Md	Wk	GnBn	Lgt	TILL
064C	851005	14	368840	6284380	PT	02	10	>5	017	Md		GnBn	Lgt	TILL
064C	851006	14	368840	6284380	PT	02	20	>5	017	Md		GnBn	Lgt	TILL
064C	851007	14	374000	6284600	PT	02	10	>5	007	Md		TnGy	Lgt	ORG
064C	851008	14	374000	6284600	PT	02	20	>5	007	Md		TnGy	Lgt	ORG
064C	851009	14	375490	6281400	PG	02	10	1-5	002	Md		Bn	Lgt	ORG
064C	851010	14	375490	6281400	PG	02	20	1-5	002	Md		Bn	Lgt	ORG
064C	851011	14	377450	6284520	PG	02	10	>5	003	Md		Bn	Lgt	TILL
064C	851012	14	377450	6284520	PG	02	20	>5	003	Md		Bn	Lgt	TILL
064C	851013	14	376260	6287020	PT	02	10	1-5	003	Md		GnBn	Lgt	TILL
064C	851014	14	376260	6287020	PT	02	20	1-5	003	Md		GnBn	Lgt	TILL
064C	851015	14	371690	6287730	PT	02	10	1-5	008	Md		GnBn	Lgt	TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	833062	173	24	11	56	23	<	8300	4.5	3	13.50	60	19.2	4.1	440	70	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	833063	56	27	4	23	6	<	310	1.0	4	1.45	30	60.0	3.9	350	30	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	833064	60	28	4	25	8	<	270	1.0	6	1.45	40	60.8	3.5	350	30	0.2	.2	ns	ns	ns	-	-	-	-	1	10.0
064C	833065	70	27	7	27	9	<	335	1.5	2	2.10	40	45.0	4.5	670	35	<	.2	ns	ns	ns	-	-	-	-	<	10.0
064C	833315	41	13	3	10	4	<	205	1.0	<	0.75	60	32.2	4.0	180	15	0.4	<	ns	ns	ns	-	-	-	-	<	10.0
064C	833425	60	20	4	13	5	<	287	2.0	3	1.15	70	43.6	3.4	150	20	<	<	ns	ns	ns	-	-	-	-	<	
064C	833426	55	20	4	13	4	<	201	<	2	0.70	60	54.4	2.0	100	20	0.3	<	ns	ns	ns	-	-	-	-	<	
064C	833427	84	18	5	11	4	<	373	1.0	2	1.80	50	41.2	2.7	260	15	0.3	<	ns	ns	ns	-	-	-	-	<	
064C	833428	41	10	4	10	4	<	220	1.0	2	0.60	50	48.4	3.5	90	10	0.2	<	ns	ns	ns	-	-	-	-	<	
064C	833429	68	20	3	11	4	<	133	<	<	0.70	50	70.2	2.1	110	15	0.3	<	ns	ns	ns	-	-	-	-	<	
064C	833471	70	13	4	11	5	<	288	1.0	<	0.95	40	41.4	3.4	240	20	0.3	<	ns	ns	ns	-	-	-	-	<	10.0
064C	833472	43	7	3	8	3	<	256	1.0	<	0.40	50	44.4	0.8	70	10	0.3	<	ns	ns	ns	-	-	-	-	<	
064C	833474	52	8	4	8	4	<	397	3.0	<	1.10	50	37.0	2.5	160	15	<	<	ns	ns	ns	-	-	-	-	<	
064C	835002	124	12	5	12	6	<	925	2.5	<	3.45	90	36.4	4.4	300	35	0.2	<	ns	ns	ns	-	-	-	-	<	
064C	835003	88	9	3	10	3	<	1150	2.0	<	1.15	60	31.6	3.6	200	20	0.2	<	ns	ns	ns	-	-	-	-	<	
064C	835004	141	12	6	16	12	<	1800	2.5	<	5.00	60	17.0	4.9	390	55	<	<	ns	ns	ns	-	-	-	-	<	
064C	835005	162	16	8	22	11	<	786	2.0	<	4.00	80	22.8	3.9	540	55	0.2	<	ns	ns	ns	-	-	-	-	<	
064C	835006	93	14	6	13	5	<	526	1.5	<	1.20	80	68.0	1.4	180	15	0.6	<	ns	ns	ns	-	-	-	-	11	
064C	835007	87	14	6	13	5	<	443	1.0	<	1.10	70	70.0	1.4	170	15	0.5	<	ns	ns	ns	-	-	1	10.0	<	
064C	835008	119	20	12	27	9	<	578	2.5	<	3.00	90	18.6	4.1	610	50	<	.2	ns	ns	ns	-	-	-	-	<	
064C	835009	101	34	12	29	8	<	466	1.5	3	2.50	80	31.6	8.2	510	50	0.3	.2	ns	ns	ns	-	-	-	-	<	
064C	835010	111	30	10	32	9	<	459	1.5	2	2.60	70	33.6	10.5	570	50	<	<	ns	ns	ns	-	-	-	-	<	
064C	835043	107	32	12	26	9	<	526	1.5	2	2.75	70	25.2	9.1	600	60	0.2	.2	ns	ns	ns	-	-	-	-	<	
064C	835044	101	32	5	20	9	<	396	1.0	<	2.00	80	36.2	3.5	460	35	<	<	ns	ns	ns	-	-	-	-	<	
064C	835045	128	26	11	29	10	<	476	1.5	<	3.10	100	21.4	4.8	640	50	<	<	ns	ns	ns	-	-	-	-	<	
064C	835046	79	19	5	17	7	<	231	1.0	<	1.10	90	40.8	2.6	390	25	0.2	<	ns	ns	ns	-	-	-	-	<	
064C	835047	102	19	8	23	10	<	730	1.5	<	2.50	70	21.0	4.9	540	20	<	<	ns	ns	ns	-	-	-	-	<	
064C	851003	101	30	9	18	11	<	1700	4.7	3	5.3	50	25.15	2.4	380	40	<	<	<	534	5	-	-	2	7.5	18	
064C	851004	109	31	9	17	11	<	1600	ns	5	6.0	ns	22.75	2.4	360	36	<	ns	2	568	4	-	-	-	-	7	
064C	851005	69	23	4	9	3	<	390	1.6	3	3.5	36	23.50	1.5	225	26	0.2	<	<	424	8	-	-	-	-	5	
064C	851006	70	24	8	8	3	<	550	ns	3	3.9	ns	22.85	1.6	270	24	<	ns	<	453	5	-	-	2	10	9	
064C	851007	29	7	6	7	4	<	290	1.2	3	1.1	18	2.25	1.3	290	16	<	<	<	777	2	-	-	-	-	2	
064C	851008	49	16	8	13	6	<	550	ns	2	2.2	ns	5.30	1.3	450	26	<	ns	<	770	1	-	-	-	-	<	
064C	851009	56	13	4	11	5	<	220	ns	2	1.1	ns	40.80	2.4	135	16	0.3	ns	<	233	6	-	-	-	-	<	
064C	851010	53	15	5	10	5	<	230	<	2	1.1	36	40.45	1.7	150	16	0.2	<	<	236	4	-	-	-	-	2	
064C	851011	76	19	5	12	6	<	340	1.2	2	1.5	54	39.90	1.5	105	18	<	<	<	266	2	-	-	<2	5.0	<	
064C	851012	75	19	4	12	6	<	340	ns	2	1.6	ns	40.50	1.5	130	18	0.2	ns	<	250	1	-	-	-	-	<	
064C	851013	63	17	<	13	6	<	315	<	3	1.1	45	37.95	2.0	130	18	0.2	<	<	256	1	-	-	-	-	3	
064C	851014	60	16	4	13	4	<	320	ns	3	1.1	ns	38.85	2.1	170	20	0.5	ns	<	263	5	-	-	-	-	<	
064C	851015	76	18	2	7	4	<	350	1.2	<	3.5	86	36.40	1.1	185	22	0.3	<	<	245	4	-	-	<	5.0	5	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	833062	<	46	7.0	ns	ns	14.0	ns	ns	ns	ns	ns	ns	ns
064C	833063	<	52	7.5	ns	ns	26.0	ns	ns	ns	ns	ns	ns	ns
064C	833064	<	56	7.1	ns	ns	27.0	ns	ns	ns	ns	ns	ns	ns
064C	833065	<	54	7.4	ns	ns	30.0	ns	ns	ns	ns	ns	ns	ns
064C	833315	.16	120	6.7	2.21	0.68	4.0	ns	ns	ns	ns	ns	ns	ns
064C	833425	<	88	6.9	2.99	1.03	11.0	ns	ns	ns	ns	ns	ns	ns
064C	833426	<	84	7.1	3.69	1.03	13.0	ns	ns	ns	ns	ns	ns	ns
064C	833427	<	110	6.7	7.74	1.72	24.0	ns	ns	ns	ns	ns	ns	ns
064C	833428	.12	240	7.4	1.49	0.50	6.0	ns	ns	ns	ns	ns	ns	ns
064C	833429	<	88	6.8	3.34	0.98	11.0	ns	ns	ns	ns	ns	ns	ns
064C	833471	<	88	7.0	3.88	1.25	12.0	ns	ns	ns	ns	ns	ns	ns
064C	833472	<	60	7.1	5.32	1.30	15.0	ns	ns	ns	ns	ns	ns	ns
064C	833474	<	62	7.4	6.97	1.54	19.0	ns	ns	ns	ns	ns	ns	ns
064C	835002	<	54	7.5	6.06	1.47	20.0	ns	ns	ns	ns	ns	ns	ns
064C	835003	<	58	7.4	6.42	1.52	20.0	ns	ns	ns	ns	ns	ns	ns
064C	835004	<	50	7.4	4.72	1.27	17.0	ns	ns	ns	ns	ns	ns	ns
064C	835005	<	48	7.3	4.69	1.26	15.0	ns	ns	ns	ns	ns	ns	ns
064C	835006	<	38	6.9	2.55	0.74	8.0	ns	ns	ns	ns	ns	ns	ns
064C	835007	<	34	6.8	2.52	0.73	7.0	ns	ns	ns	ns	ns	ns	ns
064C	835008	<	42	7.3	5.24	1.44	17.0	ns	ns	ns	ns	ns	ns	ns
064C	835009	<	48	7.8	12.90	2.97	41.0	ns	ns	ns	ns	ns	ns	ns
064C	835010	<	48	7.8	12.20	2.55	38.0	ns	ns	ns	ns	ns	ns	ns
064C	835043	<	56	7.8	13.30	3.14	42.0	ns	ns	ns	ns	ns	ns	ns
064C	835044	<	50	7.0	2.89	0.99	11.0	ns	ns	ns	ns	ns	ns	ns
064C	835045	<	54	6.7	5.31	1.95	18.0	ns	ns	ns	ns	ns	ns	ns
064C	835046	<	48	6.6	3.40	1.38	11.0	ns	ns	ns	ns	ns	ns	ns
064C	835047	<	56	7.0	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851003	ns	20	6.7	4.4	0.7	13.7	ns	ns	ns	ns	ns	ns	ns
064C	851004	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851005	ns	20	6.7	3.0	0.5	8.7	ns	ns	ns	ns	ns	ns	ns
064C	851006	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851007	ns	20	6.6	2.7	0.5	8.5	ns	ns	ns	ns	ns	ns	ns
064C	851008	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851009	ns	20	6.6	3.0	0.6	8.0	ns	ns	ns	ns	ns	ns	ns
064C	851010	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851011	ns	20	6.5	2.6	0.5	7.2	ns	ns	ns	ns	ns	ns	ns
064C	851012	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851013	ns	20	6.3	2.5	0.5	6.2	ns	ns	ns	ns	ns	ns	ns
064C	851014	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851015	ns	20	6.4	2.9	0.5	7.1	ns	ns	ns	ns	ns	ns	ns

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	851016	14	371690	6287730	PT	02	20	1-5	008	Md		GnBn	Lgt	TILL
064C	851017	14	369730	6289400	PT	02	10	1-5	003	Md		GnBn	Lgt	TILL
064C	851018	14	369730	6289400	PT	02	20	1-5	003	Md		GnBn	Lgt	TILL
064C	851019	14	375770	6291100	WVr	02	10	1-5	006	Md		GnGy	Lgt	TILL
064C	851020	14	375770	6291100	WVr	02	20	1-5	006	Md		GnGy	Lgt	TILL
064C	851021	14	377240	6290330	PD	02	10	1-5	003	Md		Bn	Lgt	GLF
064C	851022	14	377240	6290330	PD	02	20	1-5	003	Md		Bn	Lgt	GLF
064C	853001	14	378060	6291420	WVr	02	10	1-5	005	Md	Wk	GnBn	Lgt	GLF
064C	853002	14	378060	6291420	WVr	02	20	1-5	005	Md	Wk	GnBn	Lgt	GLF
064C	853007	14	378830	6291380	WVr	02	10	1-5	006	Md	Wk	GnGy	Lgt	GLF
064C	853008	14	378830	6291380	WA	02	20	1-5	006	Md	Wk	GnGy	Lgt	TILL
064C	853009	14	379220	6291460	WA	02	10	1-5	004	Md	Wk	GnBn	Lgt	TILL
064C	853010	14	379220	6291460	WA	02	20	1-5	004	Md	Wk	GnBn	Lgt	TILL
064C	853011	14	382550	6288100	WVr	02	10	>5	005	Lw	Wk	GyBn	Lgt	ORG
064C	853012	14	382550	6288100	WVr	02	20	>5	005	Lw	Wk	Bn	Lgt	ORG
064C	853013	14	382000	6288100	WVpb	02	10	>5	006	Lw	Wk	GyBn		ORG
064C	853014	14	382000	6288100	WVpb	02	20	>5	006	Lw	Wk	GyBn		ORG
064C	853015	14	381280	6288230	WVpb	02	10	>5	007	Lw	Wk	GnGy	Lgt	ORG
064C	853016	14	381280	6288230	WVpb	02	20	>5	007	Lw	Wk	GnGy	Lgt	ORG
064C	853017	14	381950	6288490	WVpb	02	10	>5	007	Lw	Wk	GnBn	Lgt	ORG
064C	853018	14	381950	6288490	WVpb	02	20	>5	007	Lw	Wk	GnBn	Lgt	ORG
064C	853019	14	381530	6288920	WVpb	02	10	>5	006	Lw	Wk	GyBn	Lgt	ORG
064C	853020	14	381530	6288920	WVpb	02	20	>5	006	Lw	Wk	GyBn	Lgt	ORG
064C	853021	14	381380	6289950	WVpb	02	10	>5	004	Lw	Wk	GnGy	Lgt	ORG
064C	853022	14	381380	6289950	WVpb	02	20	>5	004	Lw	Wk	GnGy	Lgt	ORG
064C	853023	14	381620	6290670	WVpb	02	10	>5	003	Lw	Wk	TnGy	Lgt	TILL
064C	853024	14	381620	6290670	WVpb	02	20	>5	003	Lw	Wk	TnGy	Lgt	TILL
064C	853025	14	381560	6291700	WW	02	10	>5	002	Lw	Wk	YwGy	Lgt	ORG
064C	853026	14	381560	6291700	WW	02	20	>5	002	Lw	Wk	YwGy	Lgt	ORG
064C	853027	14	382150	6291420	WVa	02	10	>5	002	Lw	Wk	GnGy	Lgt	ORG
064C	853028	14	382150	6291420	WVa	02	20	>5	002	Lw	Wk	GnGy	Lgt	ORG
064C	853029	14	383840	6276400	SS	02	10	>5	007	Md		GyBn		TILL
064C	853030	14	383840	6276400	SS	02	20	>5	007	Md		GyBn		TILL
064C	853031	14	386030	6278760	SS	02	10	1-5	005	Md	*	GnGy	Lgt	TILL
064C	853032	14	386030	6278760	SS	02	20	1-5	005	Md	*	GnGy	Lgt	TILL
064C	853033	14	388430	6277770	SS	02	10	>5	012	Md		GnGy	Lgt	TILL
064C	853034	14	388430	6277770	SS	02	20	>5	012	Md		GnGy	Lgt	TILL
064C	853035	14	390930	6287100	PT	02	10	1-5	004	Md		GnBn		TILL
064C	853036	14	390930	6287100	PT	02	20	1-5	004	Md		GnBn		TILL
064C	853037	14	380400	6284580	PG	02	10	1-5	005	Md		Bn		TILL

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Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	851016	76	19	3	9	4	<	370	ns	2	3.9	ns	34.45	1.5	125	28	<	ns	<	245	6	-	-	-	-	<	
064C	851017	58	22	4	8	4	<	240	<	2	1.7	63	56.50	1.5	92	22	<	<	<	176	4	-	-	-	-	<	
064C	851018	58	19	<	8	4	<	230	ns	<	1.7	ns	56.95	1.3	225	20	<	ns	<	173	5	-	-	-	-	2	
064C	851019	76	35	3	14	8	<	770	ns	2	3.3	ns	20.65	2.4	280	38	<	ns	<	496	5	-	-	-	-	<	
064C	851020	74	38	4	15	8	<	780	2.0	2	3.4	68	20.05	2.8	310	38	<	<	<	428	4	-	-	2	10	5	
064C	851021	107	37	5	12	8	<	400	ns	2	5.0	ns	40.30	2.2	120	36	0.4	ns	<	173	6	-	-	-	-	<	
064C	851022	113	35	4	12	9	<	420	ns	2	5.3	ns	40.50	2.0	115	36	<	ns	<	161	4	-	-	-	-	<	
064C	853001	135	32	8	16	13	<	1150	4.0	3	5.0	36	22.90	2.8	400	44	0.2	<	2	589	6	1	7.5	4	10	5	
064C	853002	135	27	9	15	12	<	1300	4.0	3	5.8	41	21.25	2.6	450	48	<	<	2	601	5	-	-	<	10	2	
064C	853007	157	35	5	20	13	<	1450	3.2	3	6.5	63	26.85	3.0	410	48	0.4	<	<	559	8	2	10	4	10	30	
064C	853008	157	33	4	19	13	<	1100	3.2	3	6.0	54	26.30	2.8	430	48	<	<	<	563	4	-	-	2	10	3	
064C	853009	38	8	6	4	5	<	550	1.6	2	2.4	14	3.35	1.1	245	20	<	<	<	761	1	<	10	<	10	22	
064C	853010	25	4	4	3	5	<	550	ns	<	1.2	ns	2.45	1.0	253	20	<	ns	<	770	4	-	-	<	10	<	
064C	853011	21	3	<	3	2	<	430	<	2	0.8	14	6.50	1.3	185	16	<	<	<	706	1	<	10	<	10	<	
064C	853012	14	4	<	3	<	<	300	ns	<	0.8	ns	11.70	1.1	175	14	<	ns	<	706	4	-	-	<	10	<	
064C	853013	16	2	<	<	2	<	200	<	<	1.0	14	1.60	0.9	195	10	0.2	<	<	733	1	-	-	<	10	<	
064C	853014	17	2	2	3	3	<	210	ns	2	0.9	ns	1.85	1.1	235	16	<	ns	<	748	2	-	-	<	10	<	
064C	853015	87	21	3	12	5	<	400	2.0	3	2.2	45	41.05	2.4	225	22	0.4	<	<	262	4	-	-	<2	5	1	
064C	853016	90	20	2	11	4	<	420	ns	<	2.2	ns	40.35	2.2	215	24	0.6	ns	<	265	5	-	-	<	10	<	
064C	853017	53	12	5	9	5	<	420	1.6	<	2.0	23	16.70	2.2	320	24	<	<	<	607	4	<	10	<	10	10	
064C	853018	59	13	8	7	6	<	410	1.6	2	2.1	27	17.25	1.6	305	22	0.3	<	2	586	6	-	-	<	10	<	
064C	853019	78	20	3	11	6	<	460	1.2	3	2.0	54	42.15	2.4	235	22	0.2	.2	2	215	8	-	-	<	10	<	
064C	853020	89	20	4	12	5	<	430	ns	3	2.1	ns	42.10	2.2	205	24	0.4	ns	<	248	1	-	-	<	-	<	
064C	853021	73	20	5	10	5	<	360	1.2	3	1.6	45	41.15	2.0	225	22	0.4	<	<	268	3	-	-	2	7.5	1	
064C	853022	70	20	8	11	5	<	370	ns	2	1.7	ns	40.85	2.3	215	22	0.2	ns	2	294	4	-	-	<	10	2	
064C	853023	71	24	3	12	4	<	390	2.0	3	1.4	41	57.00	2.1	170	20	0.3	<	<	204	4	-	-	<	10	<	
064C	853024	74	23	2	13	4	<	440	ns	3	1.4	ns	56.90	1.7	195	16	0.4	ns	<	185	4	-	-	<	10	<	
064C	853025	68	25	<	12	3	<	360	2.0	3	1.4	36	63.25	1.7	145	16	0.5	<	<	181	3	<2	5.0	<	7.5	<	
064C	853026	65	25	2	12	3	<	360	ns	5	1.4	ns	63.15	1.7	135	18	0.4	ns	<	181	11	-	-	<	10	<	
064C	853027	67	23	6	11	4	<	320	1.2	4	1.3	36	63.65	2.2	150	16	0.2	<	<	203	4	-	-	-	-	<	
064C	853028	63	24	3	10	3	<	370	ns	4	1.3	ns	63.95	2.4	145	18	0.4	ns	<	208	3	-	-	-	-	<	
064C	853029	136	19	10	17	16	<	1500	2.0	3	5.6	68	20.25	2.8	335	50	<	<	2	713	8	-	-	<	7.5	10	
064C	853030	131	19	10	17	15	<	1600	2.0	5	3.8	68	18.90	2.8	485	50	0.2	<	<	697	4	-	-	2	10	189	
064C	853031	92	24	9	23	10	<	680	1.2	3	3.0	36	29.70	5.6	520	46	0.2	<	2	576	7	-	-	-	-	1	
064C	853032	91	24	11	24	9	<	650	ns	3	3.0	ns	29.40	7.1	570	46	0.2	ns	2	592	6	-	-	-	-	<	
064C	853033	42	8	9	11	11	<	1800	ns	2	2.3	ns	3.55	2.0	335	32	0.2	ns	2	853	3	-	-	-	-	<	
064C	853034	92	16	15	17	18	<	3100	3.6	3	5.5	41	9.25	2.6	520	60	<	<	<	822	3	-	-	1	10	4	
064C	853035	115	24	9	26	13	<	630	ns	2	3.3	ns	23.40	2.8	450	44	0.2	ns	<	539	3	-	-	-	-	<	
064C	853036	110	21	7	26	12	<	660	1.2	2	3.3	54	24.10	2.8	450	42	0.2	<	<	517	3	-	-	<	7.5	6	
064C	853037	92	24	6	13	5	<	420	<	3	3.0	72	32.75	1.7	175	28	0.2	<	2	321	1	-	-	-	-	1	

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	851016	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851017	ns	20	6.1	1.7	0.3	3.5	ns	ns	ns	ns	ns	ns	ns
064C	851018	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851019	ns	20	6.5	6.6	1.0	22.0	ns	ns	ns	ns	ns	ns	ns
064C	851020	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	851021	ns	20	6.6	4.9	0.8	17.8	ns	ns	ns	ns	ns	ns	ns
064C	851022	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853001	ns	40	6.7	4.4	0.7	12.9	ns	ns	ns	ns	ns	ns	ns
064C	853002	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853007	ns	20	6.8	4.8	0.7	14.0	ns	ns	ns	ns	ns	ns	ns
064C	853008	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853009	ns	20	7.0	4.9	0.7	13.6	ns	ns	ns	ns	ns	ns	ns
064C	853010	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853011	ns	20	6.9	4.9	0.8	14.3	ns	ns	ns	ns	ns	ns	ns
064C	853012	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853013	ns	20	6.8	4.8	0.8	13.8	ns	ns	ns	ns	ns	ns	ns
064C	853014	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853015	ns	20	6.9	4.7	0.8	13.8	ns	ns	ns	ns	ns	ns	ns
064C	853016	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853017	ns	20	6.7	4.7	0.8	13.8	ns	ns	ns	ns	ns	ns	ns
064C	853018	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853019	ns	40	6.6	4.7	0.8	13.7	ns	ns	ns	ns	ns	ns	ns
064C	853020	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853021	ns	20	6.8	4.4	0.8	18.5	ns	ns	ns	ns	ns	ns	ns
064C	853022	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853023	ns	20	6.8	4.6	0.9	13.8	ns	ns	ns	ns	ns	ns	ns
064C	853024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853025	ns	20	6.0	4.9	0.9	14.8	ns	ns	ns	ns	ns	ns	ns
064C	853026	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853027	ns	20	6.8	4.7	0.9	14.4	ns	ns	ns	ns	ns	ns	ns
064C	853028	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853029	ns	44	6.7	3.8	0.9	11.2	ns	ns	ns	ns	ns	ns	ns
064C	853030	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853031	ns	46	7.0	7.0	2.3	28.3	ns	ns	ns	ns	ns	ns	ns
064C	853032	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853033	ns	44	6.7	4.4	1.1	14.2	ns	ns	ns	ns	ns	ns	ns
064C	853034	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853035	ns	20	6.6	3.7	1.0	10.2	ns	ns	ns	ns	ns	ns	ns
064C	853036	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	853037	ns	20	6.5	2.9	0.6	7.8	ns	ns	ns	ns	ns	ns	ns

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Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	853038	14	380400	6284580	PG	02	20	1-5	005	Md		Bn		TILL
064C	855001	14	393600	6294830	SC	02	10	>5	003	Lw		GnBn	Lgt	TILL
064C	855002	14	393600	6294830	SC	02	20	>5	003	Lw		GnBn	Lgt	TILL
064C	855003	14	394760	6295070	SC	02	10	>5	003	Lw		GnGy	Lgt	ORG
064C	855004	14	394760	6295070	SC	02	20	>5	003	Lw		GnGy	Lgt	ORG
064C	855005	14	395680	6293930	SC	02	10	>5	002	Lw		GnBn	Lgt	TILL
064C	855006	14	395680	6293930	SC	02	20	>5	002	Lw		GnBn	Lgt	TILL
064C	855007	14	396460	6293030	PD	02	10	>5	003	Lw		Bn		TILL
064C	855008	14	396460	6293030	PD	02	20	>5	003	Lw		Bn		TILL
064C	855009					02	10	>5	002	Lw		GyBn		
064C	855010					02	20	>5	002	Lw		GyBn		
064C	855011	14	396560	6293280	PD	02	10	>5	003	Lw		GnBn		TILL
064C	855012	14	396560	6293280	PD	02	20	>5	003	Lw		GnBn		TILL
064C	855013	14	396680	6293880	WVpb	02	10	>5	005	Lw		Bn		TILL
064C	855014	14	396680	6293880	SC	02	20	>5	005	Lw		Bn		TILL
064C	855015	14	396740	6294700	SC	02	10	>5	004	Lw		GnBn		TILL
064C	855016	14	396740	6294700	SC	02	20	>5	004	Lw		GnBn		ORG
064C	855017	14	395740	6294700	SC	02	10	>5	002	Lw		GnBn		ORG
064C	855018	14	395740	6294700	SC	02	20	>5	002	Lw		GnBn		ORG
064C	855019	14	396240	6295730	SC	02	10	>5	003	Lw		GnBn		ORG
064C	855020	14	396240	6295730	SC	02	20	>5	003	Lw		GnBn		ORG
064C	871002	14	429507	6268444	Q	64	00	.25-1	2	Md		YwGy		GLLO
064C	871003	14	430752	6268616	Q	64	00	.25-1	2	Md		YwGy		GLLO
064C	871004	14	431846	6269930	Q	64	00	pond	2	Md		YwBn		GLLO
064C	871005	14	429648	6269907	Q	64	00	.25-1	5	Md		GnGy		GLLO
064C	871006	14	430387	6270654	Q	64	00	.25-1	3	Md		GnGy		GLLO
064C	871007	14	428999	6271303	T	02	10	1-5	4	Md		GnGy		TILL
064C	871008	14	428999	6271303	T	02	20	*						TILL
064C	871009	14	427225	6270434	LRA	02	00	.25-1	4	Md		YwBn		GLLO
064C	871010	14	426055	6269860	T	02	00	pond	1	Lw		Bn		GLLO
064C	871011	14	425233	6271848	GC	02	00	pond	5	Md		YwBn		GLLO
064C	871012	14	429020	6272226	GC	02	00	pond	2	Md		GyBn		TILL
064C	871013	14	430431	6273560	T	02	00	pond	5	Lw		Bn		TILL
064C	871014	14	430368	6274479	X	02	00	.25-1	3	Md		Bn		GLLO
064C	871015	14	431391	6276202	X	02	00	.25-1	2	Md		YwBn		GLLO
064C	871016	14	431077	6278869	Q	64	00	pond	1	Lw		GyBn		TILL
064C	871017	14	428830	6280859	GA	02	00	pond	3	Lw		GnGy		TILL
064C	871018	14	431393	6280027	Q	64	00	1-5	2	Md		Gy		TILL
064C	871019	14				02	9m	*						
064C	871020	14	432696	6280010	Q	64	00	1-5	2	Md		TnGy		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	853038	106	23	5	11	6	<	410	1.2	3	2.7	63	24.05	1.8	225	26	0.5	<	2	502	3	-	-	2	10	9	
064C	855001	77	23	5	17	8	<	310	<	2	1.8	50	49.40	2.2	260	16	0.3	<	<	293	2	-	-	-	-	<	
064C	855002	72	24	7	17	6	<	310	ns	3	1.8	ns	49.60	2.4	235	26	0.3	ns	<	290	3	-	-	-	-	2	
064C	855003	73	26	12	32	12	<	460	2.8	2	3.0	23	3.30	2.8	780	56	<	<	<	822	4	-	-	-	-	<	
064C	855004	74	26	14	30	12	<	410	ns	2	3.3	ns	5.25	2.9	750	54	<	ns	<	819	4	-	-	-	-	<	
064C	855005	74	16	8	19	7	<	3530	1.2	<	2.1	36	35.75	1.7	340	26	<	<	<	462	4	-	-	-	-	2	
064C	855006	80	14	8	18	7	<	290	ns	3	1.5	ns	31.40	1.3	285	28	<	ns	<	499	6	-	-	-	-	<	
064C	855007	81	22	7	19	9	<	465	1.2	3	1.9	45	41.00	2.0	280	30	0.2	0.2	<	340	5	-	-	-	-	2	
064C	855008	84	24	7	20	8	<	490	ns	5	1.9	ns	41.35	2.2	295	30	0.2	ns	<	343	2	-	-	-	-	1	
064C	855009	108	33	17	41	17	<	790	2.8	7	4.7	32	7.95	2.0	810	66	<	0.2	<	900	6	-	-	<	10	<	
064C	855010	75	22	13	29	11	<	470	ns	5	3.2	ns	6.10	2.0	650	49	<	ns	<	865	10	-	-	-	-	<	
064C	855011	68	17	5	17	9	<	410	1.6	2	1.8	36	24.70	1.7	350	30	<	<	<	602	1	-	-	<	10	9	
064C	855012	57	13	6	13	9	<	330	ns	3	1.5	ns	20.95	1.7	270	25	<	ns	<	617	5	-	-	-	-	8	
064C	855013	99	21	8	21	9	<	490	2.0	3	2.2	50	35.55	2.2	340	32	<	<	<	469	1	-	-	-	-	<	
064C	855014	100	23	7	23	11	<	560	ns	2	2.5	ns	34.30	2.4	390	35	<	ns	<	499	3	-	-	-	-	<	
064C	855015	99	26	6	22	9	<	375	1.6	3	1.9	72	40.45	2.4	295	33	0.2	<	<	317	5	-	-	-	-	<	
064C	855016	99	24	8	22	9	<	415	ns	4	1.9	ns	39.95	1.7	280	33	<	ns	<	331	7	-	-	-	-	<	
064C	855017	90	18	7	19	10	<	340	1.2	3	1.7	50	36.80	2.0	370	30	<	<	2	427	1	-	-	-	-	<	
064C	855018	90	18	9	19	8	<	360	ns	4	1.9	ns	38.20	1.7	350	30	<	ns	<	433	4	-	-	-	-	<	
064C	855019	94	20	7	21	9	<	375	1.2	4	2.1	45	40.70	2.2	390	29	<	<	<	404	1	-	-	-	-	<	
064C	855020	102	22	7	22	7	<	380	ns	5	2.2	ns	41.45	1.8	370	30	0.4	ns	<	390	2	-	-	-	-	<	
064C	871002	105	33	12	32	10	0.2	251	2.0	3	3.63	50	29.8	12.6	530	44	<	0.2	2	591	5	<	10.0	-	-	1	
064C	871003	121	28	12	33	11	0.2	334	1.0	2	3.80	45	24.4	13.6	525	43	<	<	2	605	4	<	10.0	-	-	2	
064C	871004	135	21	5	22	7	<	227	1.0	<	1.84	45	56.8	1.5	275	20	<	<	2	286	2	<	10.0	-	-	3	
064C	871005	114	35	15	42	14	<	407	2.0	2	4.96	35	13.0	9.3	735	52	<	0.2	2	789	4	<	10.0	11	-	2	
064C	871006	126	28	13	37	13	<	316	2.0	3	4.65	35	21.0	18.2	410	43	<	<	2	657	5	<2	5.00	-	-	4	
064C	871007	129	30	13	35	12	<	301	1.0	2	3.91	50	23.6	17.0	465	40	<	<	2	596	5	<4	2.50	-	-	3	
064C	871008	115	29	14	35	12	<	293	1.0	2	3.79	60	23.8	17.2	395	42	<	<	2	580	4	<	10.0	-	-	<2	
064C	871009	106	26	9	19	7	<	236	1.0	<	3.31	60	45.4	14.8	330	32	<	<	2	409	3	<	10.0	-	-	2	
064C	871010	87	22	8	22	5	<	235	1.0	<	2.14	55	42.2	16.9	380	18	<	<	2	397	5	<	10.0	-	-	6	
064C	871011	156	31	6	16	5	<	137	1.0	4	1.17	100	58.6	8.1	285	15	<	<	2	258	2	<	10.0	-	-	2	
064C	871012	130	27	11	30	11	<	270	1.0	3	3.91	55	29.4	8.7	465	36	<	<	2	534	5	<	10.0	-	-	2	
064C	871013	224	35	6	24	10	<	330	3.0	6	2.69	80	56.0	5.6	210	24	0.2	<	2	350	3	<	10.0	-	-	<	
064C	871014	115	25	10	25	8	<	274	1.0	2	2.87	45	34.2	8.6	430	29	<	0.2	2	445	3	<	10.0	-	-	<2	
064C	871015	87	25	6	21	6	<	124	1.0	3	1.43	60	40.2	102.0	335	19	<	<	2	295	4	<	10.0	-	-	6	
064C	871016	115	34	14	34	13	<	267	1.0	2	3.67	30	18.0	125.0	515	42	<	<	2	687	4	<	10.0	-	-	2	
064C	871017	114	32	14	39	13	<	305	2.0	<	3.84	35	11.2	14.7	615	48	<	<	2	790	6	<	10.0	3	-	17	
064C	871018	134	31	15	43	15	<	336	1.0	<	5.02	55	18.4	24.7	680	54	<	<	2	653	7	<	10.0	-	-	-	-
064C	871019	53	16	7	15	4	<	168	2.0	2	1.87	75	39.2	5.8	285	19	<	<	2	391	3	<4	2.50	-	-	-	-
064C	871020	142	33	16	46	16	<	389	2.0	2	4.84	45	20.0	28.2	555	57	<	<	2	611	6	4	10.0	2	-	1	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	853038	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855001	ns	40	6.8	7.3	1.3	22.0	ns	ns	ns	ns	ns	ns	ns
064C	855002	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855003	ns	40	6.8	7.3	1.4	22.0	ns	ns	ns	ns	ns	ns	ns
064C	855004	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855005	ns	40	6.8	7.3	1.4	21.5	ns	ns	ns	ns	ns	ns	ns
064C	855006	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855007	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855008	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855009	ns	40	6.8	7.5	1.4	22.3	ns	ns	ns	ns	ns	ns	ns
064C	855010	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855011	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855012	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855013	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855014	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855015	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855016	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855017	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855018	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855019	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	855020	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	871002	0.14	70	6.5	8.5	3.8	36	<	0.01	<	1	<	0.02	<
064C	871003	0.10	70	6.5	10.5	4.6	42	<	<	<	1	<	0.03	<
064C	871004	<	40	6.1	2.0	1.4	9	<	<	<	<	<	<	<
064C	871005	0.16	80	6.4	8.5	3.4	32	<	0.01	<	1	<	0.02	<
064C	871006	0.28	80	6.5	11.5	4.1	42	<	<	<	1	<	0.03	<
064C	871007	0.31	90	6.5	11.0	3.7	40	<	<	<	1	<	0.02	<
064C	871008	0.28	100	6.5	11.0	3.7	40	<	<	<	1	<	0.02	<
064C	871009	<	70	6.3	6.5	2.4	23	<	<	<	1	<	0.02	<
064C	871010	0.34	190	6.6	14.0	4.3	52	<	<	<	2	<	0.04	<
064C	871011	<	150	6.9	8.5	2.9	29	<	<	<	1	<	0.03	<
064C	871012	<	100	6.5	12.0	4.0	45	<	<	<	1	<	0.03	<
064C	871013	<	70	6.4	9.0	3.3	35	<	<	<	1	<	0.02	<
064C	871014	0.10	70	6.4	8.5	3.2	34	0.05	<	<	1	<	0.02	<
064C	871015	2.80	250	6.5	12.5	4.6	49	<	<	<	1	<	0.05	<
064C	871016	3.20	370	6.8	20	5.3	70	<	<	<	1	<	0.22	<
064C	871017	1.50	200	6.5	12.0	2.9	39	<	<	<	<	<	0.48	<
064C	871018	0.76	160	6.4	9.5	3.7	39	<	<	<	1	0.05	0.03	<
064C	871019	0.17	90	6.5	12.5	2.3	36	<	<	<	<	<	0.10	<
064C	871020	0.76	150	6.4	10.0	3.6	39	<	<	<	1	<	0.03	<

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	871022	14	434124	6280746	Q	64	00	.25-1	3	Md		YwBn		TILL
064C	871023	14	434746	6280185	Q	64	00	1-5	2	Md		GnGy		TILL
064C	871024	14	434286	6278592	Q	64	00	1-5	5	Md		GnGy		TILL
064C	871025	14	435288	6278003	X	02	00	1-5	10	Md		YwBn		TILL
064C	871026	14	436450	6278114	G	02	00	1-5	5	Md		GnGy		TILL
064C	871027	14	437237	6278544	G	02	00	1-5	2	Md		YwGy		TILL
064C	871029	14	438047	6278808	G	02	00	1-5	4	Md		GnGy		TILL
064C	871030	14	436157	6276193	X	02	10	.25-1	4	Md		GnGy		GLLO
064C	871031	14	436157	6276193	X	02	20	.25-1						GLLO
064C	871032	14	434079	6275532	Q	64	00	pond	1	Md		GnGy		TILL
064C	871033	14	432518	6277180	Q	64	00	.25-1	1	Md		GnGy		TILL
064C	871034	14	432580	6275998	Q	64	00	pond	2	Lw		GnGy		GLLO
064C	871035	14	431989	6272015	Q	64	00	.25-1	2	Md		GnGy		GLLO
064C	871036	14	407266	6274046	GA	02	00	1-5	3	Md		Gy		TILL
064C	871037	14	406036	6273792	GA	02	00	.25-1	2	Md		Bn		TILL
064C	871038	14	406125	6275877	GA	02	00	.25-1	4	Md		Bn		TILL
064C	871039	14	405286	6276693	B	02	00	.25-1	2	Lw		Bn		ORG
064C	871040	14	404801	6275778	B	02	00	.25-1	1	Lw		Bn		TILL
064C	871042	14	404864	6273658	GA	02	00	.25-1	1	Md		Bn		TILL
064C	871043	14	404936	6273048	GA	02	00	pond	1	Lw		Bn		TILL
064C	871044	14	403738	6273003	B	02	00	.25-1	2	Md		Bn		TILL
064C	871045	14	404285	6272357	B	02	00	.25-1	4	Md		Bn		TILL
064C	871046	14	404035	6270955	B	02	10	.25-1	2	Md		Bn		TILL
064C	871047	14	404035	6270955	B	02	20	*		*				TILL
064C	871048	14	403380	6269328	B	02	00	.25-1	1	Md		Bn		ROCK
064C	871049	14	402664	6267579	GA	02	00	1-5	8	Md		Bn		TILL
064C	871050	14	403283	6266445	GA	02	00	.25-1	7	Md		Bn		ROCK
064C	871051	14	401231	6265426	PT	02	00	.25-1	1	Md		Bn		TILL
064C	871052	14	400380	6264583	SS	02	00	.25-1	6	Md		Gy		TILL
064C	871053	14	400536	6269102	B	02	00	.25-1	1	Md		Bn		TILL
064C	871054	14				02	9m	*						
064C	871055	14	401844	6269764	B	02	00	.25-1	5	Md		Bn		TILL
064C	871056	14	400622	6271747	B	02	00	>5	14	Md		Gy		TILL
064C	871057	14	401810	6271971	B	02	00	.25-1	5	Md		Bn		TILL
064C	871058	14	402607	6272771	B	02	00	pond	5	Lw		Bn	Lgt	TILL
064C	871059	14	403074	6272500	B	02	00	.25-1	1	Lw		Bn		TILL
064C	871060	14	403057	6273161	B	02	00	.25-1	3	Md		Bn		TILL
064C	871062	14	402417	6274402	B	02	00	.25-1	3	Md		Bn		ROCK
064C	871063	14	401839	6274349	B	02	00	.25-1	2	Md		Bn		TILL
064C	871064	14	400406	6275303	B	02	00	pond	5	Md		GnBn		ROCK

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	871022	102	28	12	30	11	<	347	1.0	2	3.55	35	29.6	63.0	510	42	<	0.2	2	571	4	<	10.0	-	-	3	
064C	871023	118	28	13	40	14	<	414	1.0	<	4.23	30	22.2	31.2	620	47	<	<	2	603	4	<	10.0	-	-	2	
064C	871024	121	35	14	38	14	<	344	2.0	<	4.65	55	20.0	44.1	545	54	<	<	2	707	6	<	10.0	-	-	2	
064C	871025	99	22	6	14	6	<	169	<	<	1.50	50	57.8	15.7	340	24	<	<	2	345	3	<	10.0	-	-	2	
064C	871026	134	34	13	36	15	<	430	1.0	<	3.94	65	24.4	53.7	560	45	<	<	2	611	6	<	10.0	-	-	3	
064C	871027	105	26	11	35	12	<	297	1.0	<	3.42	55	25.2	50.2	535	35	<	<	2	525	4	<	10.0	-	-	12	
064C	871029	123	28	11	35	13	<	305	1.0	<	3.99	60	21.6	58.0	470	42	<	<	2	567	4	<	10.0	-	-	4	
064C	871030	139	30	15	41	14	<	388	2.0	<	5.08	45	16.2	25.3	610	54	<	0.2	2	707	5	<2	5.00	-	-	4	
064C	871031	134	31	16	43	16	<	391	2.0	<	5.27	35	15.6	30.6	710	35	<	0.2	2	721	5	<2	5.00	-	-	4	
064C	871032	99	35	10	34	12	<	249	1.0	2	3.72	40	21.6	10.0	525	36	<	<	2	623	3	<	10.0	-	-	<	
064C	871033	113	30	13	36	12	<	292	1.0	3	3.79	35	22.2	28.2	615	35	<	<	2	618	1	<	10.0	-	-	2	
064C	871034	95	32	11	33	11	<	236	1.0	2	3.48	35	21.6	20.1	520	35	<	<	2	573	4	<	10.0	-	-	2	
064C	871035	129	31	12	38	13	<	306	2.0	<	4.18	55	20.0	7.1	600	39	<	<	2	681	1	<	10.0	-	-	1	
064C	871036	149	22	12	36	15	<	436	1.0	<	4.03	55	19.6	3.8	590	33	<	<	2	632	2	<	10.0	-	-	1	
064C	871037	81	19	6	19	7	<	264	1.0	<	1.85	70	41.0	2.3	260	16	<	<	2	342	1	<	10.0	-	-	1	
064C	871038	109	17	10	22	11	<	329	1.0	<	3.28	45	20.2	2.5	480	26	<	<	2	648	1	<	10.0	-	-	<	
064C	871039	99	11	3	13	8	<	278	1.0	<	1.37	50	43.8	1.2	90	7	<	<	2	154	<	<	10.0	-	-	2	
064C	871040	83	12	3	10	6	<	216	1.0	<	1.19	55	36.6	1.4	120	11	<	<	2	185	<	<	10.0	-	-	20	
064C	871042	88	21	5	17	6	<	358	1.0	<	1.54	60	44.0	2.0	190	14	<	<	2	287	<	<	10.0	-	-	<2	
064C	871043	92	19	5	16	7	<	286	1.0	<	1.57	60	41.2	1.9	195	10	<	0.2	2	284	1	<	10.0	-	-	<2	
064C	871044	82	13	<	10	4	<	123	<	<	0.83	55	41.0	1.1	85	8	<	<	2	142	<	<	10.0	-	-	-	-
064C	871045	50	15	<	9	3	<	109	<	<	0.81	60	38.6	0.7	85	9	<	<	2	118	<	<	10.0	-	-	<	
064C	871046	118	30	<	14	8	<	118	<	<	1.33	35	71.8	0.9	70	14	<	<	2	134	<	<	10.0	-	-	-	-
064C	871047	84	24	2	13	8	<	118	<	<	1.19	50	72.0	1.0	50	14	<	<	2	150	<	<5	2.00	-	-	-	-
064C	871048	103	34	5	20	12	<	372	1.0	2	1.87	55	34.8	2.1	190	18	<	<	2	280	1	2	5.00	-	-	3	
064C	871049	174	71	7	29	15	<	895	2.0	6	3.95	85	32.4	3.6	210	34	0.4	<	2	325	3	<	10.0	5	-	3	
064C	871050	98	28	2	8	19	<	584	<	2	3.46	80	59.4	0.9	65	18	<	<	2	253	2	<	10.0	-	-	<2	
064C	871051	131	40	3	18	11	<	204	<	<	1.45	60	72.8	1.7	40	7	0.3	<	2	115	<	<	10.0	5	-	5	
064C	871052	114	66	11	35	12	<	589	3.0	<	4.68	75	23.4	4.8	475	50	<	<	2	703	3	<	10.0	8	-	-	-
064C	871053	74	48	5	16	9	<	177	<	9	1.37	70	27.8	1.9	265	14	<	<	2	471	1	<	10.0	-	-	-	-
064C	871054	47	20	5	12	4	<	138	2.0	3	1.48	75	39.0	5.9	235	18	<	<	2	140	<	<	10.0	-	-	-	-
064C	871055	104	28	2	10	3	<	98	<	<	0.95	150	66.2	0.8	50	19	0.2	<	2	890	3	<	10.0	-	-	1	
064C	871056	109	39	16	44	16	<	473	2.0	<	3.74	20	4.4	4.6	610	45	<	0.2	2	159	1	<2	5.00	-	-	5	
064C	871057	122	55	3	16	7	<	304	1.0	<	1.14	125	52.8	3.4	80	18	0.2	<	2	157	2	<	10.0	-	-	-	-
064C	871058	209	30	3	13	4	<	180	1.0	<	0.89	130	67.2	1.1	45	16	0.6	<	2	118	<	<2	5.00	-	-	2	
064C	871059	144	21	2	19	7	<	196	1.0	<	0.79	55	70.4	2.0	55	10	0.5	<	2	179	<	<	10.0	-	-	<2	
064C	871060	112	23	3	16	6	<	319	1.0	<	1.52	80	55.4	1.2	95	13	<	<	2	182	<	<	10.0	-	-	2	
064C	871062	67	33	2	15	9	<	245	1.0	<	1.55	85	43.6	1.0	95	17	<	<	2	174	<	<	10.0	-	-	-	-
064C	871063	70	30	<	17	4	<	68	<	<	0.49	70	51.0	<	40	13	<	<	2	109	<	<	10.0	-	-	<2	
064C	871064	168	25	3	13	4	<	163	<	<	1.37	95	72.0	<	40	18	0.2	<	2	133	<	<	10.0	-	-	-	-

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	871022	0.23	160	6.5	11.5	4.2	47	<	<	<	1	<	0.03	<
064C	871023	0.42	140	6.4	9.5	3.5	41	<	<	<	1	<	0.02	<
064C	871024	0.49	140	6.4	9.5	3.5	40	<	<	<	1	<	0.02	<
064C	871025	<	90	6.1	3.0	1.0	13	<	<	<	<	<	0.01	<
064C	871026	0.29	90	6.3	7.0	2.4	29	<	<	<	<	<	0.01	<
064C	871027	0.65	90	6.2	5.5	2.1	22	<	<	<	<	<	0.01	<
064C	871029	0.72	100	6.3	5.5	1.9	22	<	<	<	<	0.05	0.01	<
064C	871030	0.44	100	6.4	8.5	2.8	34	<	<	<	<	<	0.02	<
064C	871031	0.46	100	6.4	8.5	2.8	33	0.05	<	<	<	<	0.02	<
064C	871032	0.32	90	6.4	8.5	3.0	31	<	0.01	<	<	0.05	0.02	<
064C	871033	0.46	210	6.4	9.0	3.6	37	0.05	<	<	1	<	0.03	<
064C	871034	0.36	110	6.4	8.0	3.2	30	0.05	<	<	<	<	0.02	<
064C	871035	0.07	80	6.4	9.0	3.7	38	0.05	<	<	1	<	0.02	<
064C	871036	<	70	6.3	5.5	2.2	19	<	<	<	<	0.05	0.01	<
064C	871037	<	50	6.3	4.0	1.8	14	<	<	<	<	<	0.01	<
064C	871038	<	60	6.2	4.5	1.6	15	<	<	<	<	0.10	0.01	<
064C	871039	<	50	6.0	3.0	1.1	9	0.05	<	<	<	<	0.01	<
064C	871040	<	30	5.8	3.0	1.0	6	<	<	<	<	0.05	<	<
064C	871042	<	50	6.0	3.0	1.2	9	0.05	0.02	<	<	<	0.01	<
064C	871043	<	50	6.1	3.5	1.2	11	<	0.01	<	<	0.05	0.01	<
064C	871044	<	40	5.9	3.0	0.9	7	0.05	<	<	<	<	0.01	<
064C	871045	<	40	6.0	3.5	1.2	9	<	<	<	<	<	0.01	<
064C	871046	<	30	5.7	1.0	0.5	4	<	<	<	<	<	<	<
064C	871047	<	30	5.7	1.0	0.5	4	0.05	<	<	<	<	<	<
064C	871048	<	40	6.2	5.0	1.1	13	<	<	<	<	<	0.01	<
064C	871049	<	40	6.2	4.0	0.9	12	<	<	<	<	<	<	<
064C	871050	<	30	5.9	3.0	0.7	7	<	<	<	<	<	0.01	<
064C	871051	<	30	5.8	3.0	0.4	5	<	<	<	<	<	<	<
064C	871052	<	40	6.3	8.5	2.2	26	<	<	<	<	<	0.02	<
064C	871053	<	30	6.0	3.5	1.0	8	<	0.01	<	<	0.05	0.01	<
064C	871054	0.18	80	6.5	12.5	2.3	35	0.10	<	<	<	<	0.09	<
064C	871055	<	30	4.8	1.5	0.5	2	0.05	<	0.03	<	0.05	<	<
064C	871056	<	30	6.3	6.5	1.7	21	<	<	<	<	<	0.01	<
064C	871057	<	30	6.1	4.0	1.0	9	<	0.01	<	<	<	0.01	<
064C	871058	<	20	4.8	1.5	0.6	2	0.05	<	0.04	<	<	<	<
064C	871059	<	20	5.7	2.0	0.7	5	0.05	<	<	<	<	<	<
064C	871060	<	20	5.9	2.5	0.8	7	<	<	<	<	<	<	<
064C	871062	<	30	6.0	3.5	0.9	8	<	<	<	<	<	0.01	<
064C	871063	<	20	5.7	3.0	0.6	5	<	<	<	<	<	<	<
064C	871064	<	20	5.6	2.0	0.6	4	0.05	<	<	<	<	<	<

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	871065	14	399876	6277697	PT	02	00	.25-1	1	Lw		Bn		TILL
064C	871066	14	401502	6278371	PT	02	00	.25-1	4	Md		Bn		TILL
064C	871067	14	402032	6277585	PT	02	00	.25-1	2	Md		Bn		TILL
064C	871068	14	402711	6277514	B	02	00	.25-1	2	Md		Bn		TILL
064C	871069	14	403185	6278550	PT	02	00	.25-1	1	Md		Bn		ORG
064C	871070	14	401949	6279261	PT	02	00	.25-1	5	Md		Bn		TILL
064C	871071	14	403861	6280522	PT	02	00	.25-1	1	Md		Bn		ORG
064C	871073	14	401438	6281695	B	02	00	1-5	5	Md		GnGy		TILL
064C	871074	14	402199	6282704	B	02	00	1-5	3	Md		GnGy		TILL
064C	871075	14	398918	6284440	WVr	02	00	pond	1	Lw		Bn		TILL
064C	871076	14	397368	6283697	PT	02	00	.25-1	1	Md		Bn		TILL
064C	871077	14	390505	6282135	PT	02	00	.25-1	2	Md		Bn		TILL
064C	871078	14	385991	6275177	WW	02	00	.25-1	1	Md		Bn		TILL
064C	871079	14	385859	6274629	WW	02	10	.25-1	2	Md		Bn		TILL
064C	871080	14	385859	6274629	WW	02	20	*						TILL
064C	871082	14	383848	6276276	SS	02	00	1-5	7	Lw		GnGy		TILL
064C	871084	14	384466	6278008	SS	02	00	1-5	1	Md		Bn		TILL
064C	871085	14	384130	6278602	BTD	02	00	1-5	1	Lw		Bn		ORG
064C	871086	14	378057	6279055	PG	02	00	.25-1	2	Lw		Bn		TILL
064C	871087	14	377552	6278544	PG	02	00	.25-1	2	Lw		Bn		TILL
064C	871088	14	376870	6280029	PG	02	00	.25-1	2	Lw		Bn		ROCK
064C	871089	14	373625	6281547	PT	02	00	1-5	2	Md		GnGy		ORG
064C	871090	14	372270	6279524	PT	02	00	pond	1	Md		Bn		TILL
064C	871091	14	371215	6278701	SSh	02	00	pond	1	Lw		Bn		ORG
064C	871092	14	372506	6276686	Q	64	10	.25-1	5	Md		Bn		ORG
064C	871093	14	372504	6276683	Q	64	20	*		*				ORG
064C	871094	14	369867	6276775	W	02	00	.25-1	1	Md		Bn		ORG
064C	871095	14	368078	6278220	SSh	02	00	.25-1	2	Md		Bn		TILL
064C	871096	14	366238	6279292	SSh	02	00	pond	1	Lw		YwBn		GLF
064C	871097	14	368843	6281298	SSh	02	00	.25-1	6	Md		GnGy		ORG
064C	871098	14	368438	6281538	SSh	02	00	.25-1	1	Md		GnGy		ORG
064C	871099	14	369971	6282949	PT	02	00	.25-1	1	Md		Gy		ROCK
064C	871100	14	370236	6285662	PT	02	00	>5	5	Md		GyBn		TILL
064C	871103	14	363934	6285401	PG	02	00	.25-1	3	Md		GnGy		TILL
064C	871104	14	365722	6287514	PT	02	00	.25-1	2	Md		Bn		TILL
064C	871105	14	364736	6289068	SC	02	00	.25-1	2	Md		Bn		TILL
064C	871106	14	366097	6288296	WVr	02	00	1-5	16	Md		GnGy		TILL
064C	871107	14	368482	6287482	WVr	02	00	.25-1	2	Md		Bn		ORG
064C	871108	14	369620	6288346	PT	02	00	pond	8	Md		Bn		TILL
064C	871109	14	372257	6290505	WVr	02	00	.25-1	2	*				ORG

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	871065	66	15	3	15	5	<	156	<	<	0.66	65	49.6	0.9	75	14	<	<	2	142	<	<	10.0	-	-	4	
064C	871066	117	22	8	24	10	<	253	<	<	2.68	60	27.8	2.6	375	33	<	<	2	510	2	<	10.0	5	-	<2	
064C	871067	79	17	4	18	8	<	191	<	<	1.78	60	26.6	1.6	335	20	<	<	2	316	1	<	10.0	-	-	2	
064C	871068	118	53	3	23	13	<	148	<	2	1.53	85	59.4	2.2	85	12	0.2	<	2	152	1	<	10.0	3	-	3	
064C	871069	63	27	<	10	3	<	98	2.0	<	0.62	80	43.2	0.7	<40	7	<	<	2	109	2	<	10.0	-	-	<	
064C	871070	110	24	9	24	10	<	252	1.0	<	3.53	100	28.4	2.5	355	32	<	<	2	523	4	<	10.0	-	-	2	
064C	871071	75	14	<	14	4	<	148	1.0	<	0.61	75	46.2	1.3	60	10	<	<	2	107	2	<	10.0	-	-	<2	
064C	871073	122	30	7	21	11	<	409	1.0	<	2.49	55	42.6	3.5	340	28	<	<	2	369	2	<	10.0	-	-	-	-
064C	871074	117	26	7	19	9	<	395	1.0	<	2.62	50	47.8	3.0	240	25	<	<	2	347	2	<	10.0	-	-	-	-
064C	871075	100	14	2	15	5	<	170	<	<	0.86	35	52.2	1.0	135	8	<	<	2	210	3	<2	5.00	-	-	-	-
064C	871076	80	20	4	17	6	<	197	<	<	1.10	55	46.6	1.7	170	8	<	<	2	258	4	<2	5.00	-	-	<	
064C	871077	92	23	2	9	7	<	186	<	<	1.21	55	55.8	0.9	55	11	0.2	<	2	175	3	<4	2.50	-	-	3	
064C	871078	130	13	5	13	6	<	368	1.0	<	1.30	55	70.8	1.3	110	9	0.3	<	2	209	1	<2	5.00	-	-	-	-
064C	871079	174	18	4	14	8	<	320	<	<	1.60	35	66.2	2.3	130	14	0.2	<	2	219	2	<	10.0	-	-	-	-
064C	871080	150	21	3	15	8	<	316	1.0	<	1.51	30	68.8	26.1	135	13	0.3	<	2	202	2	4	10.0	<	-	<	
064C	871082	163	20	11	23	15	<	1500	2.0	<	6.76	55	19.0	4.6	445	46	<	<	2	715	2	<	10.0	-	-	1	
064C	871084	100	18	7	20	6	<	220	2.0	<	1.94	55	36.4	3.3	365	15	<	<	2	365	2	<	10.0	-	-	1	
064C	871085	90	14	5	18	6	<	257	1.0	<	1.88	50	29.8	3.6	350	13	<	<	2	434	3	<	10.0	-	-	1	
064C	871086	103	15	3	9	5	<	106	<	<	0.91	50	54.8	1.5	65	11	0.3	<	2	158	2	<	10.0	-	-	<2	
064C	871087	113	9	<	9	6	<	131	1.0	<	0.97	55	67.6	<	90	6	<	<	2	179	1	<	10.0	-	-	<2	
064C	871088	87	12	2	9	6	<	223	<	<	1.30	60	63.0	0.9	50	9	<	<	2	177	2	<	10.0	-	-	2	
064C	871089	98	19	4	13	6	<	277	<	<	1.69	30	50.0	2.2	<40	16	<	<	2	323	1	<4	2.50	-	-	<2	
064C	871090	45	4	2	4	<	<	215	<	<	1.07	50	46.0	<	170	5	<	<	2	69	2	<	10.0	-	-	6	
064C	871091	83	8	3	5	2	<	136	<	<	0.96	80	65.8	0.5	40	7	0.3	<	2	82	1	<	10.0	-	-	<	
064C	871092	88	18	5	10	4	<	270	2.0	<	1.60	55	31.4	5.6	215	14	<	<	2	395	<	<	10.0	-	-	<2	
064C	871093	82	16	3	10	3	<	261	2.0	<	1.56	55	31.2	6.8	250	14	<	<	2	411	3	<	10.0	-	-	4	
064C	871094	65	13	3	10	5	<	157	1.0	4	0.65	55	40.2	1.2	70	11	<	<	2	123	3	<	10.0	7	-	5	
064C	871095	81	12	2	7	4	<	184	<	2	0.81	35	64.0	1.0	40	6	<	<	2	173	2	<	10.0	-	-	2	
064C	871096	85	8	2	4	<	<	61	9.0	4	0.48	35	74.6	0.7	<40	6	<	<	2	108	1	<	10.0	-	-	2	
064C	871097	88	28	3	9	4	<	442	1.0	<	2.10	55	36.2	2.5	105	14	<	<	2	201	1	<	10.0	-	-	3	
064C	871098	35	19	3	10	4	<	106	<	<	0.88	50	40.0	1.1	55	6	<	<	2	88	2	<	10.0	-	-	<2	
064C	871099	54	21	3	12	4	<	114	<	<	1.23	30	36.8	1.5	135	8	<	<	2	271	1	<	10.0	-	-	<	
064C	871100	57	15	5	10	7	<	238	2.0	<	3.91	25	6.6	2.8	250	23	<	<	2	675	2	<	10.0	<	-	1	
064C	871103	66	30	3	14	4	<	197	3.0	<	1.58	35	33.4	1.4	110	10	<	<	2	169	1	<	10.0	-	-	-	-
064C	871104	124	37	4	11	5	<	283	1.0	<	1.46	50	51.6	1.2	85	17	0.5	<	2	103	<	<2	5.00	-	-	<2	
064C	871105	83	24	5	7	2	<	288	1.0	<	1.26	60	61.6	3.3	50	7	<	<	2	109	3	<	10.0	4	-	5	
064C	871106	63	28	6	9	2	<	265	3.0	<	2.27	20	14.2	2.9	180	14	<	<	2	529	1	<	10.0	<	-	2	
064C	871107	67	31	3	9	3	<	207	1.0	<	1.93	50	56.2	0.6	40	7	<	<	2	87	2	<	10.0	-	-	<2	
064C	871108	72	29	5	7	3	<	223	1.0	<	1.63	100	65.0	1.3	105	26	<	<	2	201	2	<	10.0	-	-	5	
064C	871109	107	20	3	7	6	<	295	3.0	<	3.50	60	56.6	1.1	65	13	<	<	2	160	2	<	10.0	-	-	6	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C

Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	871065	<	40	6.6	4.0	1.5	11	0.05	0.02	<	<	<	0.01	<
064C	871066	<	30	6.1	5.0	1.5	12	0.05	<	<	<	<	0.01	<
064C	871067	<	30	6.1	4.0	1.4	12	<	<	<	<	<	0.01	<
064C	871068	<	30	6.0	3.0	0.8	9	<	<	<	<	<	0.01	<
064C	871069	<	20	5.8	4.5	1.0	8	<	<	<	<	<	0.01	<
064C	871070	<	30	6.2	5.0	1.6	15	0.05	<	<	<	<	0.01	<
064C	871071	<	40	6.0	4.0	1.6	10	0.05	<	<	<	<	0.01	<
064C	871073	<	40	6.1	3.0	1.1	12	<	<	<	<	<	<	<
064C	871074	<	40	6.1	3.0	1.1	12	0.05	<	<	<	<	<	<
064C	871075	<	30	6.1	6.5	1.4	16	<	<	<	<	0.05	0.01	<
064C	871076	<	30	6.3	9.0	1.6	26	<	<	<	<	<	0.01	<
064C	871077	<	30	6.0	4.5	0.8	11	0.05	<	<	<	<	0.01	<
064C	871078	<	30	5.8	2.5	0.7	7	0.05	<	<	<	<	<	<
064C	871079	<	30	5.9	2.5	0.7	8	0.05	<	<	<	<	<	<
064C	871080	<	30	5.9	2.5	0.7	8	0.05	<	<	<	<	<	<
064C	871082	<	30	6.1	4.5	1.1	14	<	<	<	<	<	0.01	<
064C	871084	<	40	6.3	6.5	2.1	23	<	<	<	<	<	0.01	<
064C	871085	<	50	6.3	7.0	2.3	25	0.10	<	<	<	<	0.01	<
064C	871086	<	40	5.9	3.0	0.7	7	<	<	<	<	<	<	<
064C	871087	<	30	5.8	2.5	0.7	7	0.05	<	<	<	0.05	<	<
064C	871088	<	30	5.8	2.0	0.5	6	<	<	<	<	<	<	<
064C	871089	<	30	5.9	2.0	0.7	8	0.10	<	<	<	0.10	<	<
064C	871090	<	30	6.0	3.5	0.7	10	0.05	<	<	<	<	<	<
064C	871091	<	30	6.1	2.0	0.5	5	<	<	<	<	0.05	<	<
064C	871092	<	40	6.1	5.0	1.1	16	0.10	<	<	<	<	0.01	<
064C	871093	0.24	40	6.3	5.0	1.1	16	0.05	<	<	<	<	0.01	<
064C	871094	<	40	6.1	3.5	1.1	12	<	<	<	<	<	0.01	<
064C	871095	<	40	6.2	5.5	1.0	19	0.05	<	<	<	<	0.01	<
064C	871096	<	50	6.2	6.5	1.6	26	0.05	<	<	<	<	0.01	<
064C	871097	<	40	6.2	4.0	1.0	16	<	<	<	<	<	0.01	<
064C	871098	<	40	6.1	4.0	1.2	16	<	<	<	<	<	0.01	<
064C	871099	<	30	6.1	3.0	0.7	11	0.05	0.01	<	<	0.05	0.01	<
064C	871100	<	30	6.1	3.0	0.6	10	<	<	<	<	<	<	<
064C	871103	<	40	6.1	4.0	0.7	12	0.05	<	<	<	<	0.01	<
064C	871104	0.07	40	5.9	2.5	0.4	6	<	<	<	<	<	<	<
064C	871105	<	40	6.2	8.5	0.5	25	0.05	<	<	<	0.05	0.01	<
064C	871106	<	40	6.3	6.0	0.6	19	<	<	<	<	<	0.01	<
064C	871107	<	30	6.0	3.0	0.5	9	<	<	<	<	<	<	<
064C	871108	<	20	5.9	2.0	0.5	6	<	<	<	<	<	<	<
064C	871109	<	20	6.1	4.5	0.6	14	0.05	<	<	<	<	<	<

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	871110	14	372120	6289932	PT	02	00	.25-1	2	Lw		Bn		ORG
064C	871111	14	373742	6288146	PT	02	10	.25-1	5	Md		Bn		TILL
064C	871112	14	373742	6288146	PT	02	20	*		*				TILL
064C	871113	14	372081	6286330	PT	02	00	.25-1	1	Md		Gy		TILL
064C	871114	14	372481	6285559	PT	02	00	.25-1	4	Md		Bn		TILL
064C	871115	14	375770	6283335	PG	02	00	.25-1	1	Md		Bn		TILL
064C	871116	14	377821	6282223	PG	02	00	1-5	2	Md		GnGy		TILL
064C	871117	14	377884	6287930	PT	02	00	.25-1	3	Md		Bn		TILL
064C	871118	14	379302	6290348	PD	02	00	pond	2	Lw		Bn		ORG
064C	871119	14	384992	6287766	PT	02	00	.25-1	1	Md		Bn		ORG
064C	871120	14	384383	6287358	WVr	02	00	.25-1	1	Md		Bn		TILL
064C	871122	14				02	9m	*						
064C	871123	14	383581	6287772	WVr	02	00	.25-1	2	Md		Bn		ORG
064C	871124	14	383247	6286787	WVpb	02	00	.25-1	2	Md		Bn		ORG
064C	871125	14	381207	6283913	WA	02	00	.25-1	2	Md		Bn		TILL
064C	871126	14	382272	6284289	PT	02	00	.25-1	2	*		Bn		TILL
064C	871127	14	382966	6284131	PT	02	00	.25-1	3	Md		Bn		TILL
064C	871128	14	437216	6282862	G	02	00	pond	8	Md		Gy		ROCK
064C	871129	14	436058	6284311	G	02	00	1-5	8	Hi		Gy		ROCK
064C	871130	14	433827	6283624	G	02	00	.25-1	2	Md		Bn		TILL
064C	871131	14	430838	6283693	Q	64	00	.25-1	1	Md		Gy		GLLO
064C	871132	14	431481	6284803	Q	64	00	pond	1	Lw		Bn		TILL
064C	871133	14	429815	6286196	G	02	00	pond	1	Md		Gy		GLLO
064C	871134	14	428193	6286180	G	02	00	pond	4	Md		GnGy		TILL
064C	871135	14	428394	6287515	D	02	00	1-5	3	Md		Bn		TILL
064C	871136	14	429198	6287478	D	02	00	.25-1	3	Md		Gy		TILL
064C	871137	14	429621	6291519	G	02	00	1-5	10	Md		Gy		TILL
064C	871138	14	426856	6293258	GB	02	00	pond	1	Md		Gy		ORG
064C	871139	14	425173	6292392	GB	02	10	.25-1	2	Md		GnGy		ORG
064C	871140	14	425176	6292392	GB	02	20	*		*				ORG
064C	871142	14	424313	6294143	WVr	02	00	.25-1	2	Md		Bn		TILL
064C	871143	14	422113	6294567	PG	02	00	.25-1	12	Md		Bn		TILL
064C	871144	14	422153	6295342	PG	02	00	pond	4	Md		Bn		TILL
064C	871145	14	420941	6296477	PG	02	00	.25-1	1	Md		Bn		TILL
064C	871146	14	421703	6296902	PG	02	00	1-5	6	Md		Gy	Lgt	TILL
064C	871147	14	423090	6297445	PG	02	00	1-5	2	Md		Gy	Lgt	TILL
064C	871148	14	424642	6298665	PG	02	00	pond	2	Md		Bn		TILL
064C	871149	14	422180	6300310	PT	02	00	pond	2	Md		Bn		TILL
064C	871150	14	422978	6302117	WVr	02	00	1-5	9	Md		GyBn		TILL
064C	871151	14	420741	6303066	WVr	02	00	1-5	6	Md		Gy		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	871110	112	19	4	6	4	<	308	<	<	3.21	35	33.4	0.8	70	10	<	<	2	144	<	<	10.0	11	-	2	
064C	871111	114	39	5	7	5	<	423	1.0	8	5.09	60	33.4	2.7	70	25	<	<	2	169	2	<2	5.00	-	-	4	
064C	871112	109	43	4	7	5	<	482	1.0	8	5.38	75	52.4	3.7	80	24	<	<	2	206	3	<	10.0	-	-	-	-
064C	871113	110	28	3	8	7	<	276	1.0	<	2.10	50	52.8	1.0	85	14	<	<	2	143	2	<	10.0	-	-	4	
064C	871114	98	19	4	7	5	<	477	1.0	<	3.99	60	37.6	1.3	95	21	<	<	2	179	2	<	10.0	-	-	2	
064C	871115	90	16	3	10	5	<	146	<	<	0.62	40	48.8	13.4	85	11	<	<	2	148	1	<	10.0	-	-	3	
064C	871116	102	17	4	11	7	<	233	1.0	<	1.69	35	35.2	2.2	205	15	0.3	<	2	311	1	<	10.0	-	-	1	
064C	871117	104	17	4	10	5	<	182	<	<	2.17	40	72.2	0.9	80	15	<	<	2	210	1	<	10.0	-	-	7	
064C	871118	157	6	2	6	4	<	266	<	<	0.99	45	79.8	0.6	40	7	0.4	<	2	117	1	<	10.0	14	-	4	
064C	871119	97	16	3	12	8	<	280	<	<	1.76	45	55.2	0.8	65	14	<	<	2	210	2	<	10.0	3	-	<2	
064C	871120	109	42	3	13	9	<	465	1.0	<	1.31	60	71.2	0.7	75	13	0.4	<	2	183	2	4	10.0	2	-	7	
064C	871122	57	17	8	16	4	<	185	3.0	2	2.04	85	39.0	5.6	275	21	<	0.2	2	427	1	<	10.0	-	-	-	-
064C	871123	103	34	4	15	9	<	257	1.0	<	1.30	85	64.2	1.3	105	14	0.6	<	2	211	1	<	10.0	10	-	4	
064C	871124	77	9	3	6	3	<	167	2.0	<	0.90	45	67.4	1.2	55	14	0.2	<	2	141	1	<	10.0	-	-	<2	
064C	871125	85	28	2	13	5	<	184	<	<	0.76	65	42.6	1.0	60	21	0.3	<	2	89	<	<	10.0	-	-	3	
064C	871126	120	22	3	13	4	<	98	1.0	<	1.31	55	60.8	0.9	50	17	0.6	<	2	161	2	<	10.0	-	-	<	
064C	871127	94	18	3	10	4	<	154	<	<	1.06	30	53.6	0.5	55	18	0.3	<	2	136	1	<	10.0	-	-	3	
064C	871128	141	26	9	15	9	<	484	1.0	<	2.58	125	52.2	49.6	125	27	0.2	<	2	402	2	<	10.0	-	-	<2	
064C	871129	114	31	11	29	10	<	370	1.0	<	3.33	75	28.4	41.1	485	47	<	<	2	575	3	<	10.0	-	-	3	
064C	871130	104	22	5	79	6	<	132	<	<	1.02	45	44.2	18.1	320	14	<	<	2	272	2	<	10.0	-	-	2	
064C	871131	112	27	12	34	9	<	296	3.0	<	3.72	50	28.4	19.4	520	41	<	0.2	2	545	<	<	10.0	-	-	5	
064C	871132	94	21	9	23	9	<	366	1.0	<	2.70	50	33.0	15.1	545	36	<	0.2	2	520	2	4	10.0	3	-	2	
064C	871133	133	29	10	29	9	<	257	1.0	<	3.32	60	32.8	2.8	490	42	<	0.2	2	575	2	<	10.0	-	-	4	
064C	871134	136	38	15	34	10	<	340	3.0	<	7.52	35	27.8	5.8	570	63	<	<	2	620	2	<5	10.0	-	-	3	
064C	871135	140	29	14	38	12	<	301	1.0	<	4.51	55	24.0	5.1	570	48	<	<	2	623	2	<2	10.0	-	-	2	
064C	871136	146	26	12	35	12	<	292	2.0	<	4.16	35	27.2	4.4	595	40	<	0.2	2	575	1	<4	10.0	-	-	2	
064C	871137	149	24	19	43	14	<	622	3.0	<	5.33	55	12.8	4.4	650	56	<	0.2	2	686	3	<	10.0	2	-	<2	
064C	871138	121	30	15	38	14	<	423	2.0	<	4.16	40	13.4	4.5	700	47	<	0.2	2	666	3	<	10.0	1	-	1	
064C	871139	122	27	15	36	13	<	368	3.0	<	4.20	35	13.8	4.0	650	50	<	0.2	2	709	2	<	10.0	1	-	2	
064C	871140	117	27	15	36	14	<	379	2.0	<	4.05	30	12.8	4.4	600	48	<	0.2	2	672	2	<	5.00	-	-	2	
064C	871142	87	18	3	13	4	<	126	5.0	<	0.82	40	66.2	2.6	200	10	0.3	<	2	188	<	<4	2.50	-	-	4	
064C	871143	106	26	4	15	6	<	237	<	<	0.98	80	76.2	1.1	105	11	0.2	<	2	309	<	<4	2.50	-	-	1	
064C	871144	102	27	10	25	8	<	279	2.0	<	3.02	50	31.8	4.6	475	28	<	<	2	508	2	<2	5.00	-	-	5	
064C	871145	90	23	7	20	8	<	245	2.0	4	1.91	50	44.2	32.5	395	21	<	<	2	365	2	<	10.0	-	-	-	-
064C	871146	150	30	14	36	12	<	343	2.0	<	4.13	55	19.0	7.9	360	46	<	<	2	666	3	<	10.0	-	-	-	-
064C	871147	131	31	15	41	14	<	410	3.0	<	4.48	45	15.4	8.9	500	49	<	<	2	696	3	<	10.0	-	-	2	
064C	871148	101	22	9	23	9	<	309	2.0	<	2.65	35	29.8	3.5	590	34	<	<	2	542	<	<	10.0	-	-	3	
064C	871149	82	25	8	24	9	<	252	1.0	<	2.64	35	30.0	2.9	420	31	<	<	2	498	3	<	10.0	-	-	2	
064C	871150	135	41	15	34	13	<	453	3.0	<	4.03	60	24.2	3.7	470	48	<	0.2	2	614	3	<2	7.50	-	-	3	
064C	871151	135	42	15	42	15	<	473	1.0	<	3.99	75	24.2	3.5	410	47	<	<	2	635	2	<	10.0	1	-	<2	

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Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	871110	<	20	6.1	4.5	0.7	14	0.05	<	<	<	0.05	<	<
064C	871111	<	20	6.1	4.0	0.6	12	0.10	0.01	<	<	<	0.01	<
064C	871112	<	20	6.1	4.0	0.7	12	0.05	<	<	<	<	0.01	<
064C	871113	<	20	6.1	4.0	1.0	13	0.05	<	<	<	<	<	<
064C	871114	<	20	6.1	3.0	0.7	9	0.05	<	<	<	<	<	<
064C	871115	0.08	60	5.9	3.0	0.7	9	<	<	<	<	<	0.01	<
064C	871116	<	30	6.0	3.0	0.7	10	<	<	<	<	<	<	<
064C	871117	<	30	5.9	2.0	0.6	7	<	<	<	<	<	<	<
064C	871118	<	20	5.3	1.0	0.4	3	0.10	<	<	<	<	<	<
064C	871119	<	30	6.0	4.0	1.0	12	0.10	<	<	<	<	0.01	<
064C	871120	<	20	6.1	4.5	1.1	14	<	<	<	<	<	0.01	<
064C	871122	0.18	100	6.5	13.0	2.4	35	<	<	<	<	0.10	0.10	<
064C	871123	<	40	6.2	6.0	1.0	18	0.05	<	<	<	<	0.01	<
064C	871124	<	40	6.2	5.5	1.3	20	<	<	<	<	<	0.01	<
064C	871125	<	30	6.0	3.0	0.7	8	<	<	<	<	<	<	<
064C	871126	<	30	5.3	1.0	0.3	3	<	<	<	<	<	<	<
064C	871127	<	30	5.9	3.0	0.6	8	<	<	<	<	<	<	<
064C	871128	0.32	80	6.0	2.5	1.0	10	0.10	<	<	<	<	0.01	<
064C	871129	0.31	110	6.3	6.5	2.5	28	0.10	<	<	<	<	0.01	<
064C	871130	0.20	210	6.2	5.0	2.0	20	0.05	<	<	<	<	0.01	<
064C	871131	0.18	250	6.4	9.0	4.1	38	0.05	<	<	1	0.05	0.02	<
064C	871132	0.08	340	6.5	14.0	4.4	56	<	<	<	1	<	0.03	<
064C	871133	<	60	6.2	3.5	2.7	16	0.05	<	<	<	<	0.01	<
064C	871134	<	60	6.4	7.0	3.5	33	<	<	<	<	<	0.02	<
064C	871135	<	50	6.3	6.5	2.9	28	0.05	<	<	<	<	0.02	<
064C	871136	<	50	6.4	7.5	3.3	31	0.10	<	<	<	0.05	0.02	<
064C	871137	<	50	6.3	7.0	2.6	28	0.05	<	<	<	<	0.01	<
064C	871138	<	50	6.5	12.0	4.6	47	0.05	<	<	1	<	0.02	<
064C	871139	<	60	6.4	9.5	3.8	39	0.10	0.02	<	<	<	0.02	<
064C	871140	<	60	6.4	9.5	3.8	39	<	<	<	<	<	0.02	<
064C	871142	<	40	6.1	4.0	1.7	15	<	<	<	<	<	<	<
064C	871143	<	30	6.0	2.0	0.9	10	0.05	<	<	<	0.05	<	<
064C	871144	<	40	6.3	6.5	2.6	24	0.05	<	<	<	<	0.01	<
064C	871145	0.53	220	6.9	13.5	4.7	52	<	<	<	1	<	0.02	<
064C	871146	0.09	80	6.2	8.0	3.0	32	0.05	<	<	<	<	0.01	<
064C	871147	0.09	70	6.2	8.0	3.0	32	0.05	<	<	<	<	0.01	<
064C	871148	<	50	6.3	7.0	2.8	26	0.10	<	<	<	<	0.01	<
064C	871149	<	60	6.3	6.0	3.3	27	0.05	<	<	1	0.05	0.01	<
064C	871150	<	50	6.3	8.0	2.5	30	0.05	<	<	<	<	0.01	<
064C	871151	<	50	6.3	8.5	2.5	30	<	0.01	<	<	<	0.01	<

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	871152	14	420706	6304428	WVr	02	00	.25-1	3	Md		Gy		TILL
064C	871153	14	420596	6306245	PT	02	00	pond	4	Md		Bn		TILL
064C	871154	14	418390	6307108	B	02	00	.25-1	9	Md		Bn		TILL
064C	871155	14	417815	6307942	B	02	10	.25-1	3	Md		Bn		TILL
064C	871156	14	417815	6307942	B	02	20	*						TILL
064C	871157	14	416979	6308855	WVr	02	00	.25-1	1	Md		Bn		TILL
064C	871158	14	415575	6311013	Q	64	00	.25-1	1	Md		Bn		ORG
064C	871160	14	412462	6311077	T	02	00	.25-1	1	Md		Bn		ORG
064C	871162	14	411436	6311492	WVr	02	00	.25-1	6	Md		Bn		TILL
064C	871163	14	410249	6310608	WVr	02	00	.25-1	1	Md		Bn		TILL
064C	871164	14	409819	6310037	WVr	02	00	pond	1	Md		Bn		TILL
064C	871165	14	409437	6308797	WVr	02	00	.25-1	7	Md		Bk		ORG
064C	871166	14	407144	6307691	WVr	02	00	.25-1	1	Md		Bn		TILL
064C	871167	14	409026	6307150	PT	02	00	.25-1	4	Md		Bn		ROCK
064C	871168	14	407317	6304750	WVa	02	00	.25-1	1	Md		Bn		ROCK
064C	871169	14	407945	6303557	WVpb	02	00	1-5	4	Md		Gy		ORG
064C	871170	14	408458	6303007	WVpb	02	00	.25-1	2	Md		Gy		ORG
064C	871171	14	409536	6299497	PT	02	00	.25-1	2	Lw		Bn		ORG
064C	871172	14	410062	6298457	PT	02	00	.25-1	1	Md		Gy	Lgt	ORG
064C	871173	14	410940	6296952	WVpb	02	00	.25-1	3	Md		Gy		TILL
064C	871174	14	410632	6294489	WVpb	02	00	pond	1	Md		Bn		TILL
064C	871175	14	409565	6294388	WVpb	02	00	.25-1	4	Md		Bn		TILL
064C	871176	14	408945	6294441	WVpb	02	00	.25-1	3	Md		Bn		TILL
064C	871177	14	412107	6299087	PT	02	10	1-5	4	Lw		Gy		ORG
064C	871178	14	412107	6299087	PT	02	20	*	4	*				ORG
064C	871179	14				02	9m	*		*				
064C	871180	14	413262	6300486	PG	02	00	.25-1	2	Lw		Bn		ORG
064C	871182	14	414586	6300282	PG	02	00	1-5	3	Lw				ORG
064C	871183	14	415281	6300778	PT	02	00	pond	4	Lw		Bn		ORG
064C	871184	14	416169	6301052	PT	02	00	.25-1	1	Lw		Bn		TILL
064C	871185	14	416863	6301702	PG	02	00	1-5	3	Md		GnBn		TILL
064C	871186	14	415502	6302454	PG	02	00	1-5	10	Md		GnGy		TILL
064C	871187	14	415282	6304323	PT	02	00	pond	4	Md		Bn		TILL
064C	871188	14	413964	6303979	PT	02	00	1-5	6	Md		GnGy		TILL
064C	871189	14	412190	6303179	PG	02	00	1-5	2	Md		GnGy		ORG
064C	871190	14	410478	6303097	PT	02	00	1-5	10	Md		GnGy		ORG
064C	871191	14	411108	6304274	PT	02	00	1-5	2	Md		GnGy		ORG
064C	871192	14	410223	6307721	WVr	02	00	pond	1	Md		Bn		TILL
064C	871194	14	411667	6307910	WVr	02	10	.25-1	1	Md		Bn		ORG
064C	871195	14	411669	6307910	WVr	02	20	*		*				ORG

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	871152	117	32	13	37	14	0.2	329	1.0	<	4.09	55	22.2	3.3	380	50	<	<	2	624	3	<	10.0	-	-	3	
064C	871153	104	28	15	31	13	0.2	310	1.0	<	3.78	65	24.6	2.9	315	50	<	<	2	545	4	<	10.0	-	-	2	
064C	871154	117	38	13	25	16	<	668	2.0	<	4.11	130	35.6	2.8	235	74	<	<	2	660	1	<2	7.50	-	-	3	
064C	871155	95	24	4	19	7	0.3	170	<	<	0.87	70	52.4	2.0	180	17	0.3	<	2	244	<	<	10.0	-	-	5	
064C	871156	83	24	3	19	6	<	133	<	<	0.93	70	51.2	1.7	150	10	0.2	<	2	233	1	<	10.0	-	-	2	
064C	871157	141	26	4	16	8	<	276	<	<	1.22	35	66.8	1.1	120	16	0.5	<	2	208	<	<	10.0	-	-	3	
064C	871158	104	14	9	25	11	<	326	1.0	<	2.79	55	28.8	2.8	450	31	<	<	2	455	1	<	10.0	-	-	1	
064C	871160	83	15	5	23	6	<	243	1.0	<	1.61	55	41.2	3.0	315	20	0.2	<	2	350	2	<	10.0	-	-	<2	
064C	871162	132	23	9	31	12	<	582	1.0	<	3.23	70	28.2	3.8	195	53	<	<	2	552	2	<	10.0	-	-	1	
064C	871163	97	17	5	26	6	<	222	1.0	<	1.22	100	47.0	2.3	280	20	<	<	2	265	2	<	10.0	-	-	3	
064C	871164	73	25	6	33	6	<	224	1.0	<	1.30	75	45.2	2.4	215	24	<	<	2	313	2	<2	5.00	-	-	1	
064C	871165	97	16	10	25	9	<	596	18.0	<	3.33	85	32.2	2.5	325	45	<	<	2	492	1	<10	1.00	-	-	2	
064C	871166	99	9	3	16	6	<	207	1.0	2	1.51	50	54.6	2.2	135	20	<	<	2	216	2	<	10.0	-	-	1	
064C	871167	82	19	5	16	5	<	175	<	2	1.55	65	49.0	2.4	215	29	0.2	<	2	276	3	<	10.0	-	-	3	
064C	871168	96	16	7	23	8	<	232	1.0	2	2.05	60	34.6	2.5	365	25	<	<	2	358	1	<	10.0	-	-	<2	
064C	871169	137	23	13	35	13	0.3	453	1.0	<	3.93	70	19.6	3.7	455	52	<	<	2	615	1	<	10.0	-	-	5	
064C	871170	97	18	8	21	8	<	331	1.0	10	1.67	50	49.4	2.5	360	28	<	<	2	362	2	<	10.0	-	-	<	
064C	871171	116	17	4	19	7	<	276	1.0	2	1.18	55	55.2	2.3	285	13	0.2	<	2	309	1	<5	2.00	-	-	<2	
064C	871172	115	20	9	29	10	0.2	275	1.0	<	3.03	55	29.0	3.2	445	42	<	<	2	492	3	<	10.0	-	-	1	
064C	871173	115	23	10	32	11	<	257	1.0	<	3.53	55	23.0	4.2	353	44	<	<	2	496	2	<	10.0	-	-	1	
064C	871174	81	7	3	13	5	<	135	1.0	<	0.67	55	58.6	1.3	125	11	0.3	<	2	171	1	<	10.0	-	-	1	
064C	871175	93	26	8	22	8	<	194	1.0	2	1.91	80	43.4	3.8	340	32	<	<	2	365	3	<4	2.50	-	-	3	
064C	871176	116	21	8	25	9	<	214	1.0	<	2.81	55	36.6	2.8	420	42	<	<	2	433	3	<2	5.00	-	-	<2	
064C	871177	77	10	9	20	10	<	1024	2.0	<	3.33	30	8.6	4.5	490	25	<	<	2	707	<	<	10.0	6	-	3	
064C	871178	80	10	10	20	11	<	1046	2.0	<	3.36	25	8.6	4.5	405	25	<	<	2	737	1	<	10.0	-	-	1	
064C	871179	58	12	7	16	4	<	158	2.0	3	1.70	80	38.4	5.4	310	21	<	<	2	444	2	<	10.0	-	-	-	-
064C	871180	137	16	4	15	6	<	278	<	4	1.30	30	70.0	4.9	145	13	0.4	<	2	173	<	<	10.0	-	-	4	
064C	871182	121	27	12	31	12	<	348	1.0	2	3.37	50	28.4	4.4	360	40	<	<	2	536	2	<	10.0	-	-	2	
064C	871183	127	27	15	37	14	<	353	1.0	<	4.17	50	20.8	3.6	470	58	<	<	2	585	2	<	10.0	-	-	3	
064C	871184	109	26	9	27	10	<	230	1.0	2	2.75	45	34.6	4.3	300	39	<	<	2	390	<	<4	2.50	-	-	<2	
064C	871185	106	26	7	19	8	<	267	<	2	1.07	50	61.4	4.0	230	25	0.2	<	2	311	1	<4	2.50	-	-	-	-
064C	871186	134	29	12	34	15	0.3	553	1.0	<	4.09	155	21.4	4.6	350	59	<	<	2	700	4	<	10.0	-	-	3	
064C	871187	73	23	4	16	5	<	191	<	<	1.01	75	60.4	4.3	220	14	0.2	<	2	272	2	<	10.0	-	-	3	
064C	871188	127	27	15	34	13	<	325	1.0	<	3.62	150	25.2	4.5	390	51	<	<	2	606	2	<	10.0	-	-	4	
064C	871189	117	23	10	31	11	<	291	1.0	<	3.37	45	28.8	3.7	360	45	<	<	2	531	2	<	10.0	-	-	-	-
064C	871190	120	29	14	33	14	<	331	2.0	2	3.62	60	22.4	4.1	360	55	<	<	2	638	3	<	10.0	-	-	-	-
064C	871191	125	27	12	33	14	<	311	1.0	2	3.65	55	20.8	3.7	385	52	<	<	2	671	1	<	10.0	-	-	-	-
064C	871192	61	<	3	7	3	<	82	4.0	<	0.68	55	52.6	<	100	5	<	<	2	110	4	<	10.0	2	-	<	
064C	871194	98	17	7	21	7	<	317	2.0	<	1.96	65	39.4	2.3	280	25	<	<	2	338	4	<	10.0	-	-	-	-
064C	871195	94	17	8	21	7	<	338	3.0	<	2.07	55	39.2	2.0	320	27	<	<	2	334	3	<	10.0	1	-	<2	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	871152	<	40	6.3	9.0	2.7	31	0.05	<	<	1	<	0.02	<
064C	871153	<	40	6.2	6.5	2.1	19	<	<	<	<	<	0.01	<
064C	871154	<	40	6.2	6.5	1.9	18	<	<	<	<	<	0.01	<
064C	871155	<	40	6.0	3.5	1.2	10	<	<	<	<	<	0.01	<
064C	871156	<	40	6.0	3.5	1.2	11	0.05	0.01	<	<	<	0.01	<
064C	871157	<	30	5.9	2.5	0.8	8	<	<	<	<	<	0.01	<
064C	871158	<	30	6.2	4.5	2.5	16	<	<	<	<	<	0.01	<
064C	871160	<	60	6.3	7.0	2.4	24	<	<	<	<	<	0.02	<
064C	871162	<	40	6.3	7.0	2.2	25	0.05	<	<	1	<	0.02	<
064C	871163	<	50	6.3	6.5	2.5	23	<	<	<	1	<	0.02	<
064C	871164	<	50	6.4	10.5	3.5	40	<	<	<	2	0.05	0.05	<
064C	871165	<	70	6.6	19.5	7.2	74	<	<	<	1	<	0.04	<
064C	871166	<	40	6.2	7.5	1.6	24	<	<	<	<	0.05	0.01	<
064C	871167	<	40	6.5	21	2.1	60	<	<	<	<	<	0.02	<
064C	871168	<	60	6.4	7.0	3.5	31	<	<	<	1	<	0.02	<
064C	871169	<	60	6.3	8.0	2.8	32	<	<	<	1	<	0.02	<
064C	871170	<	50	6.2	5.5	2.2	23	<	<	<	1	<	0.01	<
064C	871171	<	50	6.4	5.0	1.8	17	<	<	<	<	<	0.01	<
064C	871172	<	50	6.2	5.5	1.9	19	<	<	<	<	<	0.01	<
064C	871173	<	50	6.3	8.5	2.6	31	<	<	<	<	<	0.01	<
064C	871174	<	40	6.2	5.5	1.5	19	<	<	<	<	<	0.01	<
064C	871175	<	50	6.4	9.0	2.9	35	<	<	<	1	0.05	0.02	<
064C	871176	<	50	6.3	8.5	2.8	34	<	<	<	1	<	0.02	<
064C	871177	<	50	6.0	1.5	0.7	9	<	<	<	<	<	<	<
064C	871178	<	50	6.0	1.5	0.6	9	<	<	<	<	<	<	<
064C	871179	0.21	90	6.5	12.5	2.3	35	<	<	<	1	0.05	0.10	<
064C	871180	<	70	6.2	5.0	2.1	23	<	<	<	1	<	0.01	<
064C	871182	<	60	6.2	7.0	2.3	26	<	<	<	1	<	0.01	<
064C	871183	<	70	6.4	8.5	3.6	34	<	<	<	1	0.05	0.02	<
064C	871184	<	60	6.2	5.5	2.1	21	<	<	<	<	<	0.01	<
064C	871185	<	50	6.1	4.0	1.4	18	<	<	<	<	0.05	0.01	<
064C	871186	<	40	6.3	7.0	2.2	27	<	<	<	<	0.05	0.01	<
064C	871187	<	40	6.2	5.5	1.5	20	<	<	<	<	0.05	0.01	<
064C	871188	<	40	6.3	7.5	2.5	30	<	<	<	1	<	0.01	<
064C	871189	<	40	6.3	7.5	2.5	30	0.05	<	<	1	<	0.01	<
064C	871190	<	40	6.2	6.0	2.3	26	<	<	<	1	<	0.01	<
064C	871191	<	40	6.2	6.0	2.4	26	<	<	<	1	<	0.01	<
064C	871192	<	40	6.5	14.5	5.1	52	<	<	<	1	<	0.02	<
064C	871194	0.22	130	7.9	53	4.2	139	<	<	<	4	0.05	0.33	<
064C	871195	<	60	6.5	13.0	4.2	48	<	<	<	1	<	0.02	<

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	871196	14	411804	6308907	WVr	02	00	pond	8	Md		GyBn		GLLO
064C	871197	14	412060	6309251	WVr	02	00	pond	11	Md		GnBk		TILL
064C	871198	14	413108	6308964	WVr	02	00	pond	4	Md		Bn		TILL
064C	871199	14	412801	6308212	WVr	02	00	.25-1	1	Md		Bn		ORG
064C	871200	14	413976	6309284	PT	02	00	.25-1	2	Md		GnGy		ORG
064C	871202	14	414038	6308205	WVr	02	00	pond	2	Md		Bn		TILL
064C	871203	14	416106	6308381	WVr	02	00	1-5	5	Md		GnGy		ORG
064C	871204	14	415504	6307445	WVr	02	00	1-5	7	Md		GnGy		ORG
064C	871205	14	414224	6307408	WVr	02	00	1-5	1	Md		Bn		TILL
064C	871206	14	413584	6307657	WVr	02	00	1-5	6	Md		Bn		TILL
064C	871207	14	413282	6307206	WVr	02	00	1-5	2	Md		Bn		TILL
064C	871208	14	412792	6307355	WVr	02	00	1-5	12	Md		Bn		ORG
064C	871209	14	412529	6306576	WVr	02	00	pond	1	Md		Bn		ORG
064C	871210	14	412473	6305967	PT	02	10	.25-1	2	Md		Bn		TILL
064C	871211	14	412473	6305967	PT	02	20	*		*				TILL
064C	871212	14	413359	6305963	PT	02	00	*	3	Md		Bn	Lgt	TILL
064C	871213	14	413595	6305567	PT	02	00	.25-1	4	Md		Bn		TILL
064C	871214	14	415053	6305253	PT	02	00	.25-1	2	Md		Bn		TILL
064C	871215	14	417649	6306459	WVr	02	00	.25-1	2	Md		Bn		ORG
064C	871216	14	417943	6304854	WVr	02	00	.25-1	3	Md		Bn		ORG
064C	871217	14	419728	6302531	WVr	02	00	.25-1	5	Md		GnGy		TILL
064C	871218	14	419501	6301442	PT	02	00	.25-1	17	Md		GnGy		TILL
064C	871219	14	420510	6300310	PT	02	00	pond	1	Md		Bn		TILL
064C	871220	14				02	9m	*						
064C	871222	14	420685	6299294	PT	02	00	pond	4	*				TILL
064C	871223	14	421971	6298210	PT	02	00	.25-1	4	Md		GnGy		TILL
064C	871224	14	420327	6297468	PT	02	00	.25-1	4	Md		GnGy		TILL
064C	871226	14	420177	6298366	PT	02	00	.25-1	4	Md		Bn		TILL
064C	871227	14	419760	6298076	PT	02	00	.25-1	3	Md		Bn		TILL
064C	871228	14	419029	6299380	PT	02	00	pond	6	Md		Bn		TILL
064C	871229	14	417722	6298320	PT	02	00	.25-1	6	Md		Bn		TILL
064C	871230	14	417183	6298612	PT	02	00	.25-1	2	Md		Bn		TILL
064C	871231	14	416132	6299344	PG	02	00	pond	1	Md		Bn		ORG
064C	871232	14	415584	6298886	PT	02	00	pond	1	Md		Bn		TILL
064C	871233	14	412435	6293974	PG	02	00	pond	1	Md		Bn		ORG
064C	871234	14	415855	6294046	PG	02	00	pond	1	Lw		GnGy		TILL
064C	871235	14	417041	6292823	PG	02	00	pond	2	Md		GnGy		TILL
064C	871236	14	416202	6291492	GA	02	00	.25-1	3	Md		GnGy		TILL
064C	871237	14	415051	6291571	GA	02	00	.25-1	2	Md		Bn		TILL
064C	871238	14	414430	6291575	GA	02	00	pond	1	Md		Bn		TILL

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
Units:		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
Detection Limit:		2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
Analytical Method:		AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	871196	119	32	4	8	8	<	196	1.0	3	1.80	75	55.2	0.6	80	10	<	<	2	165	3	<2	5.00	-	-	2	
064C	871197	196	44	4	19	9	<	614	2.0	11	3.15	80	56.2	2.6	150	22	<	<	2	334	4	<	10.0	15	-	2	
064C	871198	109	16	2	10	6	<	158	1.0	4	0.81	95	44.0	1.6	90	19	<	<	2	158	2	<	10.0	-	-	<	
064C	871199	71	14	4	17	7	<	172	1.0	3	1.39	55	38.6	3.4	185	30	<	<	2	283	2	<4	2.50	-	-	2	
064C	871200	120	20	5	13	8	<	434	1.0	5	3.21	55	46.2	2.7	215	54	<	<	2	273	3	<4	2.50	-	-	<2	
064C	871202	83	12	4	13	6	<	178	<	<	0.75	80	41.6	1.9	160	15	<	<	2	193	3	<4	2.50	-	-	-	-
064C	871203	94	29	4	15	6	0.2	225	<	<	1.39	50	58.4	1.6	220	20	<	<	2	259	3	<	10.0	-	-	<2	
064C	871204	114	36	6	16	8	<	282	<	<	1.60	75	48.4	2.3	285	28	0.2	<	2	282	2	<	10.0	-	-	3	
064C	871205	90	16	6	19	7	<	261	1.0	<	1.51	50	47.0	1.8	255	24	<	<	2	285	1	<	10.0	-	-	-	-
064C	871206	138	25	9	22	10	<	421	2.0	<	2.59	105	38.0	2.6	325	37	<	<	2	406	3	<	10.0	-	-	2	
064C	871207	99	21	7	20	9	<	461	2.0	3	2.28	55	40.8	2.2	250	35	<	<	2	341	3	<	10.0	-	-	3	
064C	871208	129	21	12	17	7	<	313	3.0	2	2.06	140	40.2	2.3	245	38	<	<	2	351	3	<	10.0	5	-	<2	
064C	871209	54	6	<	11	5	<	61	3.0	2	0.36	55	44.0	0.6	60	5	0.2	<	2	59	2	<	10.0	-	-	<2	
064C	871210	76	10	4	11	5	<	194	<	12	0.90	65	60.2	2.5	140	14	<	<	2	154	3	<	10.0	11	-	2	
064C	871211	91	13	2	11	5	<	152	<	10	0.93	55	60.4	2.7	150	14	<	<	2	173	3	<4	2.50	-	-	3	
064C	871212	98	9	3	11	5	0.3	109	<	16	0.76	45	71.4	1.2	65	9	0.2	<	2	163	1	<4	2.50	-	-	<2	
064C	871213	99	19	4	14	8	0.2	190	<	25	2.03	75	61.8	2.9	175	23	<	<	2	228	1	<4	2.50	-	-	13	
064C	871214	87	11	2	14	6	<	102	<	<	0.56	50	61.8	0.8	70	12	0.2	<	2	96	<	<	10.0	13	-	<2	
064C	871215	101	13	3	10	5	<	338	<	<	0.83	75	66.2	1.5	90	12	0.3	<	2	154	3	<	10.0	8	-	3	
064C	871216	108	29	7	19	8	0.2	233	1.0	<	1.51	85	43.8	2.8	260	30	0.2	<	2	324	4	<	10.0	-	-	<2	
064C	871217	116	30	9	33	13	<	261	1.0	<	3.42	55	26.8	3.9	275	49	<	<	2	504	3	2	10.0	3	-	3	
064C	871218	133	54	12	36	17	<	1066	1.0	<	4.23	80	25.0	4.7	420	56	<	<	2	728	4	<	10.0	-	-	5	
064C	871219	55	15	2	15	6	<	147	<	<	0.52	75	59.0	0.7	75	9	0.3	<	2	180	1	<	10.0	-	-	-	-
064C	871220	53	15	7	14	5	<	152	2.0	3	1.57	70	39.0	6.0	250	26	<	<	2	463	<	<	10.0	-	-	-	-
064C	871222	95	40	5	22	9	<	134	1.0	<	1.25	85	43.0	2.7	270	28	<	<	2	300	2	<5	2.00	-	-	<	
064C	871223	105	37	12	31	13	<	237	1.0	2	3.04	50	31.0	5.8	480	55	<	<	2	610	1	<5	2.00	-	-	-	-
064C	871224	134	32	10	29	15	<	536	1.0	<	3.36	55	33.0	4.2	425	47	<	<	2	487	4	<2	5.00	-	-	<	
064C	871226	91	25	3	20	7	<	130	1.0	<	0.97	50	54.8	2.2	195	17	<	<	2	238	2	<	10.0	-	-	<2	
064C	871227	66	19	2	13	4	<	103	<	<	0.67	55	39.0	1.1	135	10	<	<	2	146	2	<	10.0	-	-	2	
064C	871228	135	25	<	15	7	<	183	<	<	0.91	55	73.2	1.1	75	16	0.4	<	2	248	<	<	10.0	-	-	-	-
064C	871229	98	34	9	22	11	<	343	1.0	<	2.71	100	33.0	3.8	290	54	<	<	2	461	4	<	10.0	-	-	<2	
064C	871230	91	35	6	23	12	<	351	1.0	<	1.60	45	41.8	4.7	210	29	<	<	2	314	2	<	10.0	-	-	1	
064C	871231	95	18	7	22	10	<	254	1.0	<	2.42	35	32.4	5.5	360	34	<	<	2	506	1	<	10.0	-	-	4	
064C	871232	102	11	3	16	7	<	123	1.0	2	0.60	45	66.2	2.2	110	6	0.3	<	2	167	<	<	10.0	-	-	-	-
064C	871233	72	18	6	22	8	<	182	1.0	<	2.02	75	34.6	3.2	385	30	<	<	2	419	2	<2	5.00	-	-	<	
064C	871234	103	26	11	26	11	<	336	1.0	<	2.82	35	35.4	4.8	515	49	<	<	2	580	4	<2	5.00	-	-	2	
064C	871235	112	28	13	35	14	<	316	1.0	<	4.15	45	22.2	3.9	770	57	<	<	2	653	1	<	10.0	-	-	2	
064C	871236	125	26	13	34	16	<	360	1.0	<	3.89	45	20.2	4.2	590	56	<	<	2	654	2	<	10.0	-	-	5	
064C	871237	112	23	11	26	12	<	408	1.0	<	3.09	35	33.8	2.9	435	52	<	<	2	508	1	<	10.0	-	-	2	
064C	871238	98	22	10	22	10	<	356	1.0	<	2.19	55	39.8	2.9	390	40	<	<	2	415	3	<	10.0	-	-	1	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	871196	<	40	6.5	13.5	1.7	42	<	<	<	1	<	0.01	<
064C	871197	<	40	6.7	6.0	1.3	21	<	<	<	<	<	<	<
064C	871198	<	40	6.2	6.0	2.1	24	<	<	<	1	0.05	0.01	<
064C	871199	<	40	6.3	9.5	3.0	38	<	<	<	1	<	0.01	<
064C	871200	<	50	6.1	3.0	1.2	14	<	<	<	<	<	<	<
064C	871202	<	40	6.1	4.0	1.3	16	<	<	<	<	<	0.01	<
064C	871203	<	40	6.2	5.5	1.2	20	<	<	<	<	<	0.01	<
064C	871204	<	30	6.2	5.5	1.2	20	<	<	<	<	<	0.01	<
064C	871205	<	40	6.3	9.5	2.9	36	<	<	<	1	0.05	0.01	<
064C	871206	<	40	6.4	11.5	3.3	44	<	<	<	1	<	0.02	<
064C	871207	<	40	6.4	11.5	3.3	44	<	<	<	1	<	0.02	<
064C	871208	<	40	6.4	12.5	3.4	44	<	<	<	1	0.05	0.02	<
064C	871209	<	40	6.5	12.5	2.1	39	<	<	<	1	<	0.02	<
064C	871210	<	50	6.3	6.5	2.1	24	<	<	<	1	<	0.01	<
064C	871211	<	50	6.3	6.5	2.1	24	<	<	<	1	<	0.01	<
064C	871212	<	50	6.1	4.5	1.2	19	<	<	<	<	<	0.01	<
064C	871213	<	50	6.2	4.5	1.3	20	<	<	<	<	0.05	0.01	<
064C	871214	<	40	6.0	3.0	1.3	11	<	<	<	<	<	<	<
064C	871215	<	30	6.0	4.0	0.8	12	<	<	<	<	<	<	<
064C	871216	<	30	6.2	7.5	1.5	21	<	<	<	<	<	0.01	<
064C	871217	<	40	6.3	7.5	2.6	30	<	<	<	1	<	0.01	<
064C	871218	<	40	6.4	5.5	2.0	24	<	<	<	1	<	0.01	<
064C	871219	<	30	6.1	3.5	1.4	14	<	<	<	<	<	0.01	<
064C	871220	0.19	80	6.4	13.0	2.3	36	<	<	<	1	0.05	0.10	<
064C	871222	<	50	6.2	4.0	1.5	15	<	<	<	<	0.10	0.01	<
064C	871223	<	50	6.4	9.0	3.2	37	<	0.01	<	1	0.05	0.02	<
064C	871224	<	50	6.3	6.0	2.2	24	<	<	<	<	<	0.01	<
064C	871226	<	50	6.2	4.0	1.7	17	<	<	<	<	<	0.01	<
064C	871227	<	40	6.2	4.0	1.6	17	<	<	<	1	<	0.01	<
064C	871228	<	30	6.0	3.0	1.0	11	<	<	<	<	<	<	<
064C	871229	<	30	6.2	4.5	1.5	18	<	<	<	<	<	0.01	<
064C	871230	<	30	6.1	4.0	1.5	17	<	<	<	<	0.05	0.01	<
064C	871231	<	60	6.2	6.5	2.8	26	<	<	<	1	<	0.01	<
064C	871232	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	871233	<	90	6.3	10.0	3.7	39	<	<	<	2	<	0.02	<
064C	871234	<	80	6.3	7.0	3.5	32	0.05	<	<	1	0.05	0.02	<
064C	871235	<	50	6.3	9.5	4.4	37	<	<	<	1	0.05	0.02	<
064C	871236	<	40	6.3	7.5	3.3	31	<	<	<	1	<	0.02	<
064C	871237	<	40	6.3	7.0	3.0	29	<	<	<	1	0.05	0.02	<
064C	871238	<	40	6.3	5.5	2.9	24	<	<	<	1	0.05	0.01	<

Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	871239	14	438250	6300541	B	02	10	.25-1	2	Md		Bn		GLLO
064C	871240	14	438250	6300541	B	02	20	.25-1	2	##				GLLO
064C	871242	14	438146	6301442	WVr	02	00	.25-1	3	Md		GnGy		GLLO
064C	871243	14	436659	6301246	GC	02	00	.25-1	4	Md		Gy		GLLO
064C	871244	14	436140	6304223	Q	64	00	pond	5	Lw		Bn		ORG
064C	871245	14	436817	6304690	PT	02	00	.25-1	1	Md		Bn		TILL
064C	871246	14	435345	6305808	PT	02	00	.25-1	5	Md		Bn		ORG
064C	871247	14	434134	6306956	PT	02	10	.25-1	3	Md		Bn		GLLO
064C	871248	14	434134	6306956	PT	02	20	*		*				GLLO
064C	871249	14	431358	6306919	WVr	02	00	.25-1	1	Md		Bn		GLLO
064C	871250	14	432989	6303737	PT	02	00	pond	3	Md		Bn		ORG
064C	871252	14	431046	6300719	WV	02	00	pond	2	Lw		Bn		TILL
064C	871253	14	430065	6300611	WV	02	00	pond	2	Md		GnBn		TILL
064C	871254	14	430226	6299841	WVr	02	00	.25-1	2	Md		GnGy		TILL
064C	871255	14	431112	6297422	B	02	00	pond	5	Lw		Gy		TILL
064C	871256	14	435254	6299691	B	02	00	.25-1	2	Md		Bn		TILL
064C	871257	14	434462	6298127	GC	02	00	pond	2	Md		GnBn		TILL
064C	871258	14	436802	6297065	GC	02	00	1-5	6	Md		GnGy		GLLO
064C	871259	14	438179	6285382	G	02	00	pond	1	Lw		Bn		TILL
064C	871262	14	435556	6286808	Q	64	00	1-5	3	Md		GnGy		TILL
064C	871263	14	433753	6288097	Q	64	00	pond	2	Md		Bn		GLLO
064C	871265	14	432762	6286553	Q	64	00	1-5	3	Lw		GnGy		ORG
064C	871266	14	431533	6286294	Q	64	00	1-5	1	Lw		GnGy		ORG
064C	871267	14	431394	6288476	Q	64	00	.25-1	2	Lw		GnGy		ORG
064C	871268	14	432275	6289654	G	02	00	.25-1	2	Lw		GnGy		TILL
064C	871269	14	433680	6290200	G	02	00	pond	2	Lw		GnGy		TILL
064C	871270	14	432280	6291440	G	02	00	1-5	4	Md		Gy		GLLO
064C	871271	14	434800	6294800	WVr	02	00	pond	2	Md		GyBn		TILL
064C	871272	14	435420	6290460	G	02	00	1-5	2	Md		GnGy		GLF
064C	871273	14	437080	6290460	G	02	00							GLF
064C	873005	14	377300	6291120	WA	02	00	.25-1	003	Md		GnGy		TILL
064C	873007	14	377620	6291020	WA	02	00	.25-1	004	Md		GnGy		TILL
064C	873013	14	378300	6291160	WA	02	00	.25-1	005	Md		GnGy		TILL
064C	873016	14	378780	6291150	WA	02	00	.25-1	009	Md		Gn		TILL
064C	873022	14	378520	6291900	WVpb	02	00	.25-1	002	Md	Wk	GnBn		GLF
064C	873023	14	378350	6291940	WVpb	02	00	.25-1	001	Md	Wk	GnBn		GLF
064C	873024	14	378370	6291800	WVpb	02	00	.25-1	002	Md	Wk	GnBn		GLF
064C	881002	14	380010	6291998	WW	02	10	.25-1	001	Md	Wk	YwBn	Lgt	ORG
064C	881003	14	380010	6291998	WW	02	20	.25-1	001	Md	Wk	YwBn	Lgt	ORG
064C	881004	14	380012	6292090	WVpb	02	10	.25-1	001	Md		YwBn	Lgt	ORG

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	871239	93	27	9	22	7	<	171	1.0	6	11.48	45	51.6	4.7	315	32	<	<	2	415	1	<	10.0	-	-	2	
064C	871240	91	37	7	22	6	<	171	1.0	3	1.44	45	52.6	4.8	285	34	<	<	2	418	2	<	10.0	-	-	-	-
064C	871242	114	31	13	36	16	<	305	1.0	<	4.04	45	17.4	3.7	475	58	<	<	2	668	3	<2	5.00	-	-	3	
064C	871243	121	27	14	38	17	<	380	1.0	<	4.34	55	17.8	2.6	605	59	<	<	2	598	3	<4	2.50	-	-	3	
064C	871244	98	25	5	17	5	<	177	<	2	1.17	75	54.0	3.0	305	27	0.3	<	2	303	4	<	10.0	-	-	-	-
064C	871245	78	22	2	15	6	<	203	<	<	0.94	55	61.8	3.4	255	17	<	<	2	298	2	<4	2.50	-	-	3	
064C	871246	152	32	11	33	16	<	747	2.0	<	3.67	30	21.0	4.9	525	53	<	<	2	823	3	<	10.0	-	-	3	
064C	871247	139	30	8	24	9	<	345	1.0	2	2.37	65	38.0	5.0	370	39	0.2	<	2	457	3	<2	5.00	-	-	1	
064C	871248	144	32	7	24	10	<	402	1.0	2	2.37	75	39.6	5.5	375	38	0.3	<	2	482	2	<2	7.50	-	-	1	
064C	871249	72	51	<	15	6	<	247	<	6	0.79	90	53.8	2.7	165	16	0.3	<	2	230	2	<	10.0	-	-	-	-
064C	871250	121	22	13	31	13	<	297	1.0	<	3.42	55	25.0	4.2	510	50	<	<	2	545	3	<2	5.00	-	-	3	
064C	871252	157	10	2	10	2	<	147	<	<	0.33	50	81.4	0.5	65	5	0.3	<	2	141	1	<	10.0	-	-	6	
064C	871253	121	33	13	25	11	<	399	1.0	<	2.91	40	39.8	3.4	430	51	0.2	<	2	524	6	<	10.0	-	-	-	-
064C	871254	30	6	8	9	5	<	104	1.0	<	1.42	20	3.8	2.5	260	16	<	<	2	810	1	<	10.0	<	-	<	
064C	871255	102	24	15	25	12	<	226	1.0	<	3.02	40	16.0	4.6	530	48	<	<	2	685	4	<2	5.00	-	-	3	
064C	871256	117	25	6	22	8	<	185	<	3	1.15	50	53.0	3.1	285	22	<	<	2	336	3	<	10.0	-	-	-	-
064C	871257	107	24	2	22	8	<	150	1.0	<	0.68	40	70.2	1.5	115	16	0.2	<	2	199	3	<	10.0	-	-	<2	
064C	871258	128	35	15	39	18	<	415	<	<	4.58	50	19.2	7.8	580	61	<	<	2	700	4	<	10.0	-	-	<2	
064C	871259	103	21	8	24	9	<	158	1.0	<	2.35	50	30.0	31.3	375	33	<	<	2	420	4	<	10.0	-	-	-	-
064C	871262	105	31	15	36	14	<	278	1.0	<	4.26	40	23.4	30.7	550	55	<	<	2	652	4	<	10.0	-	-	-	-
064C	871263	199	24	5	29	10	0.3	167	1.0	<	1.39	50	54.8	1.1	240	27	0.2	<	2	287	2	<5	2.00	-	-	<2	
064C	871265	136	32	14	39	14	0.2	374	2.0	<	4.42	35	24.0	27.6	530	58	<	<	2	689	4	<	10.0	-	-	3	
064C	871266	133	33	15	37	15	<	357	3.0	<	3.86	30	28.8	24.8	535	55	<	<	2	639	3	<	10.0	-	-	<2	
064C	871267	127	27	10	34	14	<	359	1.0	<	3.72	35	26.4	5.0	550	53	<	<	2	580	3	<	10.0	-	-	1	
064C	871268	128	33	14	42	17	<	369	3.0	<	4.40	30	21.2	9.1	585	64	<	<	2	749	5	<	10.0	-	-	<2	
064C	871269	138	35	12	30	10	<	241	1.0	<	3.21	35	37.8	3.6	550	58	<	<	2	630	2	<	10.0	-	-	6	
064C	871270	109	30	19	41	21	<	879	2.0	<	3.90	25	5.7	6.0	730	62	<	<	2	831	3	<	10.0	5	-	-	-
064C	871271	119	36	12	32	13	<	253	2.0	2	3.56	45	18.4	7.6	520	48	<	<	2	744	3	<4	2.50	-	-	2	
064C	871272	125	31	15	37	15	<	284	2.0	<	4.11	40	23.8	4.3	580	63	<	<	2	610	4	<4	2.50	-	-	3	
064C	871273	123	26	19	41	18	<	998	2.0	<	4.80	30	11.2	8.8	610	66	<	<	2	768	4	<2	5.00	-	-	3	
064C	873005	58	16	4	8	6	0.2	683	1	<	2.12	15	11.6	2.7	190	19	<	0.2	ns	ns	ns	-	-	<	10	2	
064C	873007	30	5	2	5	6	<	194	1	<	1.04	<	2.8	1.4	140	8	<	<	ns	ns	ns	-	-	<	10	<	
064C	873013	57	13	7	12	9	<	575	1	<	2.57	35	2.4	3.4	380	33	<	<	ns	ns	ns	-	-	2	10	2	
064C	873016	158	28	7	13	10	<	895	1	<	5.25	100	20.8	2.9	290	43	0.3	<	ns	ns	ns	1	10	4	10	2	
064C	873022	109	29	7	15	10	<	700	3	<	2.48	90	30.0	1.6	215	33	0.3	0.2	ns	ns	ns	-	-	10	10	6	
064C	873023	92	41	6	15	6	<	707	2	<	1.40	60	49.2	2.4	130	13	0.5	0.3	ns	ns	ns	4	10	2	10	6	
064C	873024	95	34	6	16	6	<	609	2	<	1.6	60	37.8	2.2	180	10	0.2	0.2	ns	ns	ns	5	10	17	10	8	
064C	881002	79	33	4	11	4	<	302	1	<	0.82	44	48.8	2.1	76	12	<	<	ns	ns	ns	-	-	-	-	5	
064C	881003	81	30	3	10	4	<	315	<	<	0.77	36	46.9	2.3	75	10	<	<	ns	ns	ns	-	-	-	-	<2	
064C	881004	71	25	4	9	3	<	636	<	<	0.81	58	57.7	2.3	71	11	0.2	<	ns	ns	ns	-	-	-	-	3	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	871239	<	40	6.4	8.5	2.8	34	<	<	<	<	0.05	0.02	<
064C	871240	<	40	6.3	8.5	2.7	34	<	<	<	1	<	0.02	<
064C	871242	<	30	6.3	8.0	3.0	29	<	<	<	1	<	0.01	<
064C	871243	<	40	6.3	7.0	2.6	25	<	<	<	<	<	0.01	<
064C	871244	<	30	6.3	7.5	3.1	28	<	<	<	<	0.05	0.01	<
064C	871245	<	20	6.3	5.0	2.4	21	<	<	<	<	<	<	<
064C	871246	<	20	6.4	10.0	3.2	35	<	<	<	<	0.05	0.01	<
064C	871247	<	20	6.4	8.5	2.8	30	<	<	<	<	<	0.01	<
064C	871248	<	20	6.4	8.5	2.8	29	<	<	<	<	0.10	0.01	<
064C	871249	<	30	6.3	6.5	2.5	23	<	<	<	1	<	0.01	<
064C	871250	<	60	6.4	9.0	3.5	33	<	<	<	1	0.05	0.01	<
064C	871252	<	30	6.7	6.5	1.3	18	<	<	<	<	<	<	<
064C	871253	<	30	6.1	6.0	2.7	24	<	<	<	1	0.05	0.01	<
064C	871254	<	30	6.1	4.5	1.5	19	<	<	<	<	<	0.01	<
064C	871255	<	30	6.1	4.5	1.9	15	<	<	<	<	0.05	0.01	<
064C	871256	<	40	6.0	4.5	1.7	17	<	<	<	<	<	<	<
064C	871257	<	30	5.9	1.5	0.9	10	<	<	<	<	<	<	<
064C	871258	0.08	40	6.2	9.0	3.1	35	<	<	<	1	0.05	0.01	<
064C	871259	0.36	150	6.4	10.5	3.8	46	0.05	<	<	1	0.05	0.02	<
064C	871262	0.48	150	6.4	<	<	47	<	<	<	<	<	<	<
064C	871263	<	50	5.8	1.0	1.1	7	<	<	<	<	<	<	<
064C	871265	0.22	150	6.3	9.0	3.2	36	<	<	<	1	<	0.02	<
064C	871266	0.14	140	6.3	8.5	3.2	34	<	<	<	1	0.05	0.02	<
064C	871267	<	60	6.3	6.5	3.3	28	<	<	<	1	0.05	0.01	<
064C	871268	0.06	80	6.4	10.5	4.2	42	<	<	<	1	0.05	0.02	<
064C	871269	<	50	6.1	2.5	1.3	15	<	<	<	<	<	<	<
064C	871270	0.08	60	6.3	7.0	2.5	29	<	<	<	1	<	0.02	<
064C	871271	<	50	6.5	13.0	4.3	50	<	<	<	2	<	0.02	<
064C	871272	<	50	6.3	8.0	3.1	32	<	<	<	1	0.05	0.01	<
064C	871273	<	50	6.2	5.5	1.8	22	<	<	<	<	0.05	ns	<
064C	873005	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	873007	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	873013	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	873016	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	873022	<	30	6.2	6.5	1.05	22	0.05	<	<	<	<	ns	ns
064C	873023	<	30	6.2	7.0	1.10	23	<	<	<	<	<	ns	ns
064C	873024	<	30	6.2	7.0	1.10	22	<	<	<	<	<	ns	ns
064C	881002	<	30	6.6	6.0	9.06	ns	<	ns	<	<	<	ns	ns
064C	881003	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	881004	<	30	6.8	6.05	0.88	ns	<	ns	<	<	<	ns	ns

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Field Data

Map	Sample ID	ZN	UTM Easting	UTM Northing	Rock Unit	Rock Age	Rep Stat	Lake Size	Lake Depth	Terrain Relief	Sample Colour	Sample Cont.	Susp Matl	Drift
064C	881005	14	380012	6292090	WVpb	02	20	.25-1	001	Md	Wk	YwBn	Lgt	ORG
064C	881006	14	379540	6292120	WVpb	02	10	1-5	001	Md	Wk	YwBn	Lgt	ORG
064C	881007	14	379540	6292120	WVpb	02	20	1-5	001	Md	Wk	YwBn	Lgt	ORG
064C	881008	14	379340	6292150	WVpb	02	10	1-5	001	Md	Wk	YwBn	Lgt	ROCK
064C	881009	14	379340	6292150	WVpb	02	20	1-5	001	Md	Wk	YwBn	Lgt	ROCK
064C	881010	14	379420	6292340	WVpb	02	10	1-5	001	Md	Wk	Bn	Lgt	ROCK
064C	881011	14	379420	6292340	WVpb	02	20	1-5	001	Md	Wk	Bn	Lgt	ROCK

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

	Varient:	Zn	Cu	Pb	Ni	Co	Ag	Mn	As	Mo	Fe	Hg	LOI	U	F	V	Cd	Sb	W	Ba	Sn	Au	Au	Au	Au	Au	Au
	Units:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	pct	ppb	pct	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	gm	ppb	gm	ppb	gm
	Detection Limit:	2	2	2	2	2	.2	5	1.0	2	.02	10	1.0	.5	20	5	.2	.2	2	40	1	1-var	wt	1-var	wt1	1-var	wt2
	Analytical Method:	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC	ISE	AAS	AAS	AAS	COL	DCP	AAS	FA-NA	GRAV	rpt1	GRAV	rpt2	GRAV
064C	881005	71	28	2	9	4	<	619	<	<	0.86	55	54.6	2.0	79	12	0.2	<	ns	ns	ns	-	-	-	-	<2	
064C	881006	77	35	4	9	4	<	398	<	<	0.72	51	47.7	2.0	86	11	0.2	<	ns	ns	ns	-	-	-	-	<2	
064C	881007	68	34	2	9	5	<	402	<	<	0.78	47	49.2	2.4	84	12	<	<	ns	ns	ns	-	-	-	-	<2	
064C	881008	81	30	<	9	3	<	267	<	<	0.63	47	48.6	2.3	65	12	0.2	<	ns	ns	ns	-	-	-	-	<2	
064C	881009	71	33	4	9	4	0.3	308	<	<	0.67	47	49.4	2.1	74	10	0.2	<	ns	ns	ns	-	-	-	-	3	
064C	881010	70	38	5	9	5	<	1264	1	<	0.96	74	58.8	2.8	81	12	0.4	<	ns	ns	ns	-	-	-	-	2	
064C	881011	63	31	3	6	3	<	1239	1	<	0.87	60	58.6	2.7	91	12	0.2	<	ns	ns	ns	-	-	-	-	<2	

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C
Analytical Data

Varient:		U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units:		ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit:		0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method:		LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
064C	881005	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	881006	<	30	6.5	5.89	0.91	ns	<	ns	<	<	<	ns	ns
064C	881007	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	881008	<	30	6.4	5.90	0.90	ns	<	ns	<	<	<	ns	ns
064C	881009	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
064C	881010	<	30	6.8	5.72	0.86	ns	<	ns	<	<	.05	ns	ns
064C	881011	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns

National Geochemical Reconnaissance Lake Sediment and Water Geochemical Data. Manitoba, 1988, GSC OF-1959, NGR 122, NTS 064B, 064C

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	.2	5	1.0	2	.02	10	1.0	.5
Analytical Method	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	AAS	GRAV	NADNC
Number of Values	837	837	837	837	837	837	837	832	837	837	832	837	837
Values > D.L.	837	836	807	836	835	8	837	736	240	837	831	837	831
Number of Missing Values	2	2	2	2	2	2	2	7	2	2	7	2	2
Mean	106.69	26.33	7.95	27.70	10.43	0.1025	438.63	1.74	1.57	2.76	57.67	32.91	6.99
Standard Deviation	33.61	9.52	4.38	12.90	4.69	0.0286	507.57	1.54	1.58	1.65	37.10	17.35	10.47
Skewness	0.0828	0.4519	0.2954	0.3304	1.28	14.57	10.21	6.21	7.42	3.47	17.42	0.5209	4.78
Excess Kurtosis	0.0400	2.02	-0.8235	0.0306	7.84	254.18	143.50	56.90	79.77	33.28	417.84	-0.4751	33.96
Coef. of Var. %	31.51	36.15	55.13	46.56	44.95	27.92	115.72	88.60	101.26	60.03	64.34	52.71	149.70
Std Error of the Mean	1.16	0.3290	0.1514	0.4457	0.1620	0.0010	17.54	0.0535	0.0548	0.0572	1.29	0.5996	0.3619
Lower 95% limit on Mean	104.41	25.68	7.65	26.82	10.11	0.1006	404.19	1.64	1.46	2.64	55.14	31.73	6.28
Upper 95% limit on Mean	108.97	26.98	8.24	28.57	10.75	0.1044	473.06	1.85	1.67	2.87	60.19	34.09	7.70
Geometric Statistics													
Mean	100.71	24.33	6.50	24.24	9.35	0.1012	355.49	1.43	1.31	2.33	53.38	27.77	4.14
Log10 Mean	2.00	1.39	0.8132	1.38	0.9710	-0.9949	2.55	0.1565	0.1186	0.3671	1.73	1.44	0.6167
Log10 S.D.	0.1559	0.1891	0.3028	0.2427	0.2144	0.0538	0.2494	0.2570	0.2126	0.2663	0.1623	0.2780	0.4117
Log10 Std. Error of Mean	0.0054	0.0065	0.0105	0.0084	0.0074	0.0019	0.0086	0.0089	0.0073	0.0092	0.0056	0.0096	0.0142
Lower 95% limit on Mean	98.29	23.62	6.20	23.34	9.05	0.1003	341.90	1.38	1.27	2.23	52.04	26.59	3.88
Upper 95% limit on Mean	103.19	25.06	6.82	25.18	9.67	0.1020	369.61	1.49	1.36	2.43	54.76	29.00	4.41
Percentiles													
Min Value	16.00	1.00	1.00	1.00	1.00	0.1000	60.00	0.5000	1.00	0.3000	5.00	2.00	0.2500
25th %tile	81.00	20.00	4.00	16.00	7.00	0.1000	250.00	1.00	1.00	1.50	40.00	20.00	2.30
50th %tile	109.00	27.00	8.00	28.00	10.00	0.1000	340.00	2.00	1.00	2.80	55.00	30.00	3.80
75th %tile	131.00	32.00	11.00	38.00	13.00	0.1000	460.00	2.00	2.00	3.70	70.00	44.00	6.30
80th %tile	136.00	34.00	12.00	39.00	14.00	0.1000	500.00	2.00	2.00	3.90	70.00	49.00	8.10
90th %tile	147.00	37.00	14.00	44.00	16.00	0.1000	700.00	3.00	3.00	4.30	80.00	59.00	16.10
95th %tile	156.00	40.00	15.00	47.00	18.00	0.1000	1000.00	3.00	3.00	4.80	90.00	66.00	26.70
98th %tile	171.00	46.00	17.00	50.00	20.00	0.2000	1500.00	5.00	6.00	5.30	110.00	71.00	39.70
99th %tile	196.00	51.00	19.00	56.00	22.00	0.2000	1800.00	9.00	9.00	6.50	125.00	74.00	53.10
Max Value	240.00	84.00	21.00	85.00	53.00	0.7000	8370.00	20.00	25.00	23.00	960.00	81.00	125.00

Summary Statistics for Total Data Set

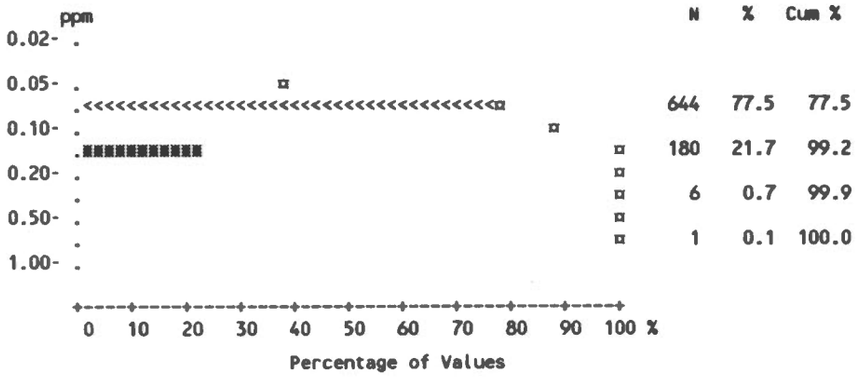
Variable	F	V	Cd	Sb	W	Ba	Sn	Au
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Detection Limit	20	5	.2	.2	2	40	1	1-var
Analytical Method	ISE	AAS	AAS	AAS	COL	DCP	AAS	rpt2
Number of Values	837	837	837	831	379	379	379	794
Values > D.L.	834	837	87	7	350	379	339	285
Number of Missing Values	2	2	2	8	460	460	460	45
Mean	446.59	37.91	0.1275	0.1023	1.92	456.24	2.50	1.64
Standard Deviation	236.03	17.88	0.0870	0.0270	0.2662	207.87	1.54	2.59
Skewness	0.0865	0.0291	3.59	13.73	-3.17	-0.2051	0.8711	4.92
Excess Kurtosis	-0.9524	-0.7229	15.11	209.49	8.09	-1.23	0.8240	35.35
Coef. of Var. %	52.85	47.16	68.25	26.41	13.84	45.56	61.57	158.01
Std Error of the Mean	8.16	0.6180	0.0030	0.0009	0.0137	10.68	0.0789	0.0921
Lower 95% limit on Mean	430.58	36.70	0.1216	0.1004	1.90	435.24	2.34	1.46
Upper 95% limit on Mean	462.61	39.13	0.1334	0.1041	1.95	477.23	2.65	1.82
Geometric Statistics								
Mean	361.91	32.68	0.1140	0.1011	1.90	395.28	2.00	0.9314
Log10 Mean	2.56	1.51	-0.9430	-0.9954	0.2780	2.60	0.3021	-0.0309
Log10 S.D.	0.3267	0.2598	0.1706	0.0517	0.0801	0.2559	0.3085	0.4027
Log10 Std. Error of Mean	0.0113	0.0090	0.0059	0.0018	0.0041	0.0131	0.0158	0.0143
Lower 95% limit on Mean	343.90	31.38	0.1110	0.1003	1.86	372.44	1.87	0.8732
Upper 95% limit on Mean	380.86	34.03	0.1171	0.1019	1.93	419.52	2.15	0.9936
Percentiles								
Min Value	10.00	5.00	0.1000	0.1000	1.00	59.00	0.5000	0.5000
25th %tile	250.00	20.00	0.1000	0.1000	2.00	268.00	1.00	0.5000
50th %tile	440.00	40.00	0.1000	0.1000	2.00	498.00	2.00	0.5000
75th %tile	640.00	53.00	0.1000	0.1000	2.00	628.00	3.00	2.00
80th %tile	680.00	55.00	0.2000	0.2000	2.00	653.00	4.00	3.00
90th %tile	760.00	60.00	0.3000	0.2000	2.00	706.00	4.00	4.00
95th %tile	830.00	65.00	0.3000	0.2000	2.00	756.00	5.00	6.00
98th %tile	880.00	70.00	0.4000	0.2000	2.00	790.00	6.00	9.00
99th %tile	920.00	70.00	0.5000	0.2000	2.00	823.00	8.00	13.00
Max Value	1000.00	120.00	0.9000	0.6000	2.00	890.00	8.00	30.00

Summary Statistics for Total Data Set

Variable	U-W	F-W	pH	Ca-W	Mg-W	T-Alk	As-W	Hg-W	Mn-W	Na-W	Pb-W	Sr-W	Ba-W
Units	ppb	ppb		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	20		0.5	.05	2	.05	.01	.01	1	.05	.01	0.1
Analytical Method	LIF	ISE	GCM	ICP	ICP	TIT	ICP	ICP	ICP	ICP	ICP	ICP	ICP
Number of Values	798	828	828	816	815	814	352	347	352	352	352	343	344
Values > D.L.	143	828	828	815	814	814	12	7	3	160	4	127	0
Number of Missing Values	41	11	11	23	24	25	487	492	487	487	487	496	495
Mean	0.0863	69.94	6.70	7.97	2.35	25.80	0.0276	0.0057	0.0052	0.8097	0.0259	0.0182	-
Standard Deviation	0.2429	46.23	0.4659	8.37	1.47	14.91	0.0136	0.0027	0.0024	0.4599	0.0080	0.0346	-
Skewness	7.52	2.58	-0.1050	8.56	1.21	1.66	5.11	0.0000	0.0000	2.51	0.0000	9.82	-
Excess Kurtosis	71.89	9.65	0.0625	107.68	2.66	6.45	24.21	0.0000	0.0000	9.43	0.0000	112.97	-
Coef. of Var. %	281.48	66.10	6.95	104.97	62.55	57.78	49.46	46.80	46.46	56.80	30.79	189.83	-
Std Error of the Mean	0.0086	1.61	0.0162	0.2929	0.0514	0.5225	0.0007	0.0001	0.0001	0.0245	0.0004	0.0019	-
Lower 95% limit on Mean	0.0694	66.79	6.67	7.40	2.25	24.77	0.0261	0.0055	0.0050	0.7614	0.0250	0.0145	-
Upper 95% limit on Mean	0.1032	73.09	6.73	8.55	2.45	26.82	0.0290	0.0060	0.0055	0.8579	0.0267	0.0219	-
Geometric Statistics													
Mean	0.0371	59.83	6.69	6.45	1.91	21.91	0.0262	0.0055	0.0051	0.7228	0.0254	0.0127	-
Log10 Mean	-1.43	1.78	0.8251	0.8098	0.2808	1.34	-1.58	-2.26	-2.29	-0.1410	-1.60	-1.89	-
Log10 S.D.	0.4037	0.2330	0.0305	0.2634	0.2958	0.2586	0.1094	0.1192	0.0710	0.1940	0.0639	0.2989	-
Log10 Std. Error of Mean	0.0143	0.0081	0.0011	0.0092	0.0104	0.0091	0.0058	0.0064	0.0038	0.0103	0.0034	0.0161	-
Lower 95% limit on Mean	0.0348	57.68	6.65	6.19	1.82	21.03	0.0255	0.0053	0.0050	0.6898	0.0250	0.0118	-
Upper 95% limit on Mean	0.0396	62.06	6.72	6.73	2.00	22.83	0.0269	0.0056	0.0052	0.7575	0.0258	0.0137	-
Percentiles													
Min Value	0.0250	20.00	4.80	0.2500	0.0250	2.00	0.0250	0.0050	0.0050	0.5000	0.0250	0.0050	-
25th %tile	0.0250	40.00	6.30	4.50	1.13	14.00	0.0250	0.0050	0.0050	0.5000	0.0250	0.0100	-
50th %tile	0.0250	56.00	6.70	6.70	2.17	24.00	0.0250	0.0050	0.0050	0.5000	0.0250	0.0100	-
75th %tile	0.0250	80.00	7.10	9.00	3.11	33.00	0.0250	0.0050	0.0050	1.00	0.0250	0.0200	-
80th %tile	0.0250	88.00	7.10	9.70	3.40	36.00	0.0500	0.0050	0.0050	1.00	0.0250	0.0200	-
90th %tile	0.1800	130.00	7.30	12.50	4.21	45.00	0.0500	0.0100	0.0050	1.00	0.0500	0.0300	-
95th %tile	0.3600	160.00	7.40	15.00	5.10	52.00	0.0500	0.0100	0.0050	2.00	0.0500	0.0400	-
98th %tile	0.7100	210.00	7.50	20.00	6.00	62.00	0.1000	0.0200	0.0050	2.00	0.0500	0.0700	-
99th %tile	1.20	240.00	7.60	46.00	7.00	70.00	0.1000	0.0200	0.0050	2.00	0.1000	0.1200	-
Max Value	3.20	380.00	8.70	145.00	11.64	139.00	0.1000	0.0300	0.0050	4.00	0.1000	0.4800	-

Statistics per Variable

Variable - Antimony [Sb]
Number of Values - 831
Units - ppm
Detection Limit - .2
Analytical Method - AAS

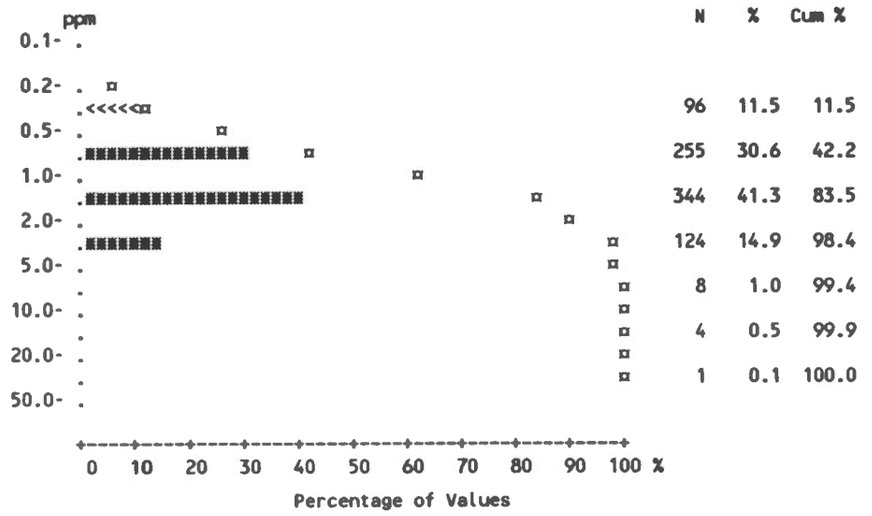


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	831	129	104	98	94	73	44	41	41	30	38	26
Number of Values > D.L.	7	1	0	1	1	1	0	0	0	1	0	0
Number of Missing Values	8	1	0	0	1	1	1	1	1	0	0	1
Mean	0.10	0.10	-	0.11	0.10	0.10	-	-	-	0.11	-	-
Standard Deviation	0.03	0.018	-	0.051	0.041	0.023	-	-	-	0.037	-	-
Skewness	13.73	11.10	-	9.60	9.39	8.20	-	-	-	4.94	-	-
Excess Kurtosis	209.49	122.05	-	91.06	87.06	66.08	-	-	-	23.20	-	-
Coef. of Var. %	26.41	17.34	-	48.06	39.57	22.78	-	-	-	34.23	-	-
Std. Error of the Mean	0.00	0	-	0	0	0	-	-	-	0	-	-
Lower 95% limit on Mean	0.10	0.098	-	0.095	0.096	0.097	-	-	-	0.093	-	-
Upper 95% limit on Mean	0.10	0.10	-	0.12	0.11	0.11	-	-	-	0.12	-	-
Geometric Statistics												
Mean	0.10	0.10	-	0.10	0.10	0.10	-	-	-	0.10	-	-
Log10 Mean	-1.00	-1.00	-	-0.99	-0.99	-0.99	-	-	-	-0.98	-	-
Log10 S.D.	0.05	0.042	-	0.079	0.072	0.056	-	-	-	0.087	-	-
Log10 Std. Error of Mean	0.00	0	-	0	0	0	-	-	-	0.016	-	-
Lower 95% limit on Mean	0.10	0.099	-	0.098	0.098	0.099	-	-	-	0.096	-	-
Upper 95% limit on Mean	0.10	0.10	-	0.11	0.11	0.10	-	-	-	0.11	-	-
Percentiles												
Min Value	0.10	0.10	-	0.10	0.10	0.10	-	-	-	0.10	-	-
25th %tile	0.10	0.10	-	0.10	0.10	0.10	-	-	-	0.10	-	-
50th %tile	0.10	0.10	-	0.10	0.10	0.10	-	-	-	0.10	-	-
75th %tile	0.10	0.10	-	0.20	0.10	0.10	-	-	-	0.10	-	-
80th %tile	0.20	0.10	-	0.20	0.20	0.10	-	-	-	0.10	-	-
90th %tile	0.20	0.20	-	0.20	0.20	0.20	-	-	-	0.20	-	-
95th %tile	0.20	0.20	-	0.20	0.20	0.20	-	-	-	0.20	-	-
98th %tile	0.20	0.20	-	0.20	0.20	0.20	-	-	-	0.30	-	-
99th %tile	0.20	0.20	-	0.60	0.50	0.30	-	-	-	0.30	-	-
Max Value	0.60	0.30	-	0.60	0.50	0.30	-	-	-	0.30	-	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Arsenic [As]
Number of Values - 832
Units - ppm
Detection Limit - 1.0
Analytical Method - AAS



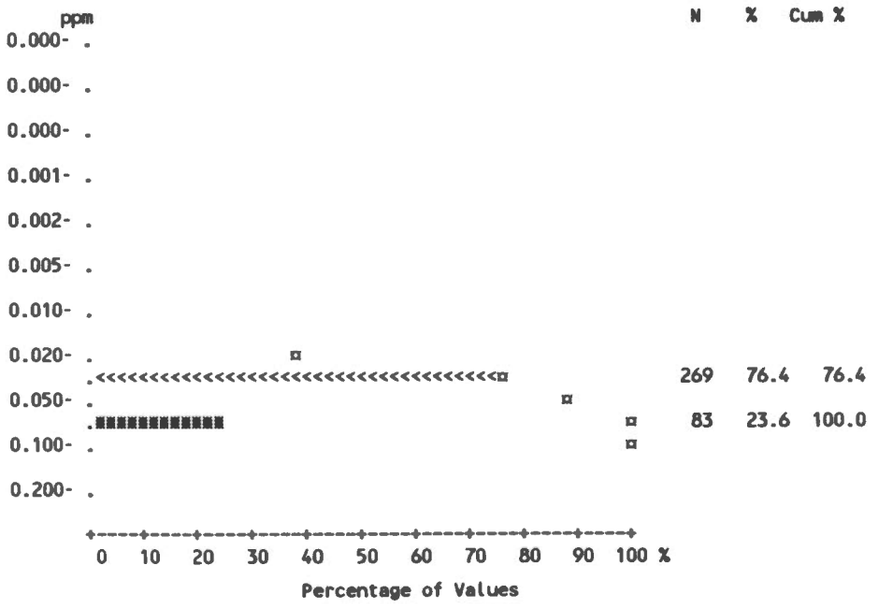
	N	%	Cum %
	96	11.5	11.5
	255	30.6	42.2
	344	41.3	83.5
	124	14.9	98.4
	8	1.0	99.4
	4	0.5	99.9
	1	0.1	100.0

	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	832	129	104	98	94	73	44	41	42	30	38	26
Number of Values > D.L.	736	101	103	93	90	64	34	39	40	24	25	24
Number of Missing Values	7	1	0	0	1	1	1	1	0	0	0	1
Mean	1.74	1.22	1.81	1.84	1.85	2.78	1.25	1.78	1.71	1.51	1.12	2.05
Standard Deviation	1.54	0.68	0.99	0.88	0.86	3.96	0.66	0.77	0.98	0.98	0.73	1.00
Skewness	6.21	2.08	4.53	0.57	1.46	2.94	0.87	0.54	2.19	1.37	1.53	0.87
Excess Kurtosis	56.90	7.26	32.30	-0.015	4.31	8.41	0.18	0.057	6.69	1.86	1.88	0.54
Coef. of Var. %	88.60	55.16	54.66	48.16	46.84	142.39	52.55	43.53	57.31	64.84	65.27	48.95
Std. Error of the Mean	0.05	0.059	0.097	0.089	0.089	0.46	0.099	0.12	0.15	0.18	0.12	0.20
Lower 95% limit on Mean	1.64	1.11	1.62	1.66	1.67	1.86	1.05	1.54	1.41	1.14	0.88	1.64
Upper 95% limit on Mean	1.85	1.34	2.01	2.01	2.02	3.71	1.46	2.03	2.02	1.87	1.36	2.45
Geometric Statistics												
Mean	1.43	1.08	1.65	1.62	1.66	1.66	1.10	1.61	1.51	1.25	0.94	1.81
Log10 Mean	0.16	0.033	0.22	0.21	0.22	0.22	0.040	0.21	0.18	0.098	-0.025	0.26
Log10 S.D.	0.26	0.22	0.18	0.23	0.20	0.39	0.23	0.21	0.22	0.27	0.25	0.23
Log10 Std. Error of Mean	0.01	0.019	0.018	0.023	0.021	0.046	0.035	0.032	0.033	0.049	0.040	0.046
Lower 95% limit on Mean	1.38	0.99	1.52	1.46	1.51	1.35	0.93	1.38	1.30	0.99	0.78	1.46
Upper 95% limit on Mean	1.49	1.18	1.79	1.80	1.83	2.06	1.29	1.87	1.77	1.58	1.14	2.25
Percentiles												
Min Value	0.00	0	0	0	0	0	0	0	0	0	0	0
25th %tile	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0	2.00
50th %tile	2.00	1.00	2.00	2.00	2.00	1.00	1.00	2.00	2.00	1.00	1.00	2.00
75th %tile	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	1.00	2.00
80th %tile	2.00	2.00	2.00	3.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	2.00
90th %tile	3.00	2.00	3.00	3.00	3.00	5.00	2.00	3.00	2.00	2.00	2.00	4.00
95th %tile	3.00	2.00	3.00	3.00	4.00	12.00	2.00	3.00	3.00	4.00	3.00	4.00
98th %tile	5.00	4.00	3.00	4.00	4.00	18.00	3.00	4.00	6.00	5.00	4.00	4.00
99th %tile	9.00	4.00	4.00	5.00	6.00	20.00	3.00	4.00	6.00	5.00	4.00	4.00
Max Value	20.00	4.00	10.00	5.00	6.00	20.00	3.00	4.00	6.00	5.00	4.00	4.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Arsenic in Water [As-W]
Number of Values - 352
Units - ppm
Detection Limit - .05
Analytical Method - ICP

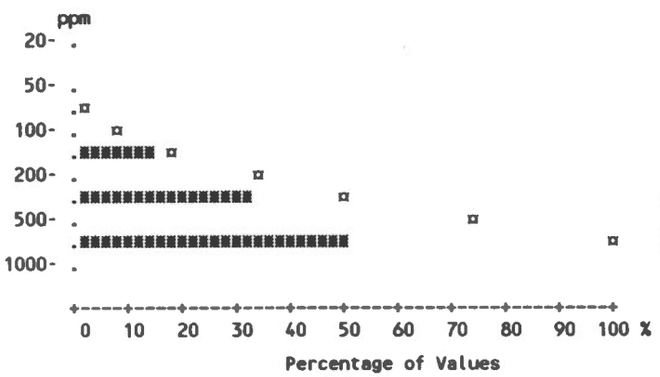


	All Units*	PT	Q	G	WVr	GC
Number of Values	352	54	51	56	39	26
Number of Values > D.L.	12	3	2	2	0	0
Number of Missing Values	487	76	53	42	35	16
Mean	0.03	0.029	0.028	0.028	-	-
Standard Deviation	0.01	0.017	0.015	0.014	-	-
Skewness	5.11	3.77	4.61	4.87	-	-
Excess Kurtosis	24.21	12.47	19.63	22.12	-	-
Coef. of Var. %	49.46	59.45	52.62	50.74	-	-
Std. Error of the Mean	0.00	0	0	0	-	-
Lower 95% limit on Mean	0.03	0.024	0.024	0.024	-	-
Upper 95% limit on Mean	0.03	0.034	0.032	0.031	-	-
Geometric Statistics						
Mean	0.03	0.027	0.026	0.026	-	-
Log10 Mean	-1.58	-1.57	-1.58	-1.58	-	-
Log10 S.D.	0.11	0.14	0.12	0.11	-	-
Log10 Std. Error of Mean	0.01	0.019	0.017	0.015	-	-
Lower 95% limit on Mean	0.03	0.025	0.024	0.025	-	-
Upper 95% limit on Mean	0.03	0.029	0.028	0.028	-	-
Percentiles						
Min Value	0.02	0.020	0.020	0.020	-	-
25th %tile	0.02	0.020	0.020	0.020	-	-
50th %tile	0.02	0.020	0.020	0.020	-	-
75th %tile	0.02	0.050	0.050	0.050	-	-
80th %tile	0.05	0.050	0.050	0.050	-	-
90th %tile	0.05	0.050	0.050	0.050	-	-
95th %tile	0.05	0.10	0.050	0.050	-	-
98th %tile	0.10	0.10	0.10	0.10	-	-
99th %tile	0.10	0.10	0.10	0.10	-	-
Max Value	0.10	0.10	0.10	0.10	-	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Barium [Ba]
Number of Values - 379
Units - ppm
Detection Limit - 40
Analytical Method - DCP

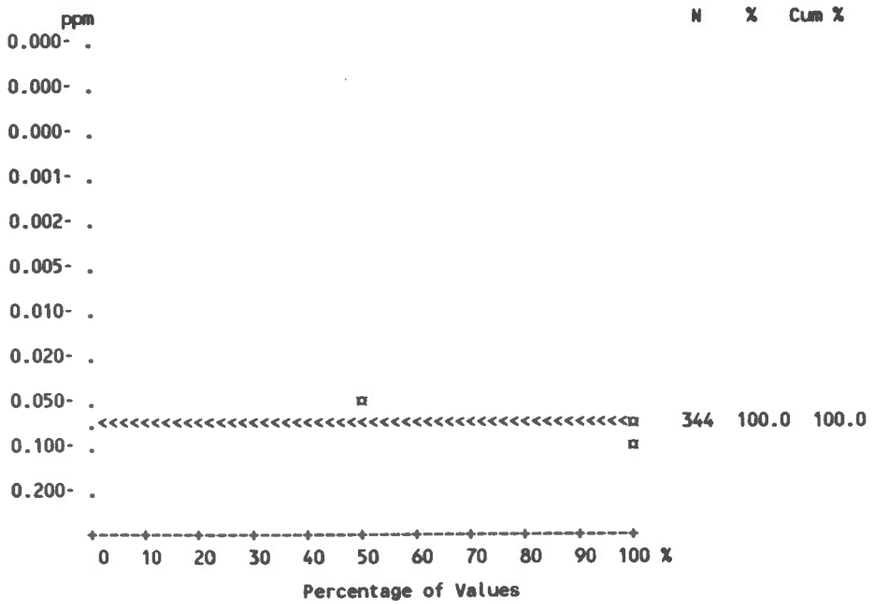


	All Units*	PT	Q	G	WVr	GC
Number of Values	379	61	51	56	43	25
Number of Values > D.L.	379	61	51	56	43	25
Number of Missing Values	460	69	53	42	31	17
Mean	456.24	337.23	560.96	592.18	374.19	603.12
Standard Deviation	207.87	202.24	115.58	140.43	206.17	135.41
Skewness	-0.21	0.69	-0.81	-0.96	0.46	-1.51
Excess Kurtosis	-1.23	-0.76	-0.019	1.00	-1.05	2.14
Coef. of Var. %	45.56	59.97	20.60	23.71	55.10	22.45
Std. Error of the Mean	10.68	25.89	16.18	18.77	31.44	27.08
Lower 95% limit on Mean	435.24	285.44	528.46	554.57	310.73	547.22
Upper 95% limit on Mean	477.23	389.02	593.46	629.78	437.65	659.02
Geometric Statistics						
Mean	395.28	280.45	547.06	569.76	315.71	581.43
Log10 Mean	2.60	2.45	2.74	2.76	2.50	2.76
Log10 S.D.	0.26	0.27	0.10	0.14	0.27	0.13
Log10 Std. Error of Mean	0.01	0.035	0.014	0.018	0.041	0.027
Lower 95% limit on Mean	372.44	238.91	511.65	524.23	260.58	511.65
Upper 95% limit on Mean	419.52	329.21	584.93	619.25	382.50	660.73
Percentiles						
Min Value	59.00	69.00	286.00	139.00	59.00	199.00
25th %tile	268.00	169.00	496.00	525.00	208.00	559.00
50th %tile	498.00	272.00	591.00	611.00	324.00	623.00
75th %tile	628.00	498.00	639.00	677.00	552.00	687.00
80th %tile	653.00	539.00	652.00	704.00	589.00	694.00
90th %tile	706.00	638.00	681.00	757.00	668.00	743.00
95th %tile	756.00	707.00	694.00	787.00	744.00	756.00
98th %tile	790.00	777.00	707.00	790.00	810.00	761.00
99th %tile	823.00	823.00	789.00	831.00	810.00	761.00
Max Value	890.00	823.00	789.00	831.00	810.00	761.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Barium in Water [Ba-W]
Number of Values - 344
Units - ppm
Detection Limit - 0.1
Analytical Method - ICP

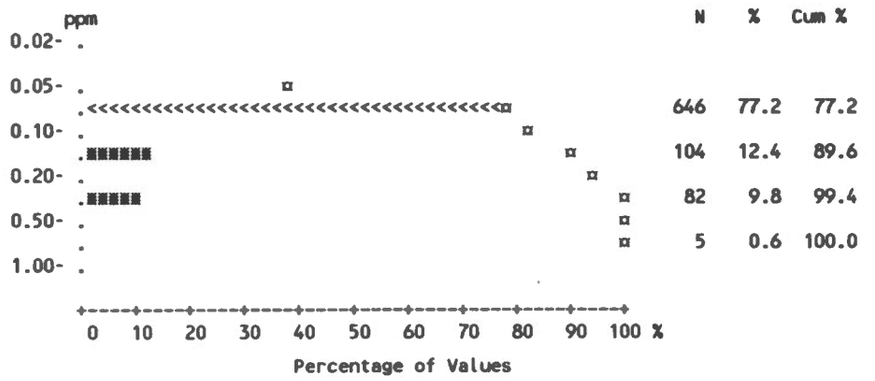


	All Units*	PT	Q	G	WVr	GC
Number of Values	344	54	51	56	39	26
Number of Values > D.L.	0	0	0	0	0	0
Number of Missing Values	495	76	53	42	35	16
Mean	0.05	-	-	-	-	-
Standard Deviation	0.00	-	-	-	-	-
Skewness	0.00	-	-	-	-	-
Excess Kurtosis	0.00	-	-	-	-	-
Coef. of Var. %	0.00	-	-	-	-	-
Std. Error of the Mean	0.00	-	-	-	-	-
Lower 95% limit on Mean	0.05	-	-	-	-	-
Upper 95% limit on Mean	0.05	-	-	-	-	-
Geometric Statistics						
Mean	0.05	-	-	-	-	-
Log10 Mean	-1.30	-	-	-	-	-
Log10 S.D.	0.00	-	-	-	-	-
Log10 Std. Error of Mean	0.00	-	-	-	-	-
Lower 95% limit on Mean	0.05	-	-	-	-	-
Upper 95% limit on Mean	0.05	-	-	-	-	-
Percentiles						
Min Value	0.00	-	-	-	-	-
25th %tile	0.00	-	-	-	-	-
50th %tile	0.00	-	-	-	-	-
75th %tile	0.00	-	-	-	-	-
80th %tile	0.00	-	-	-	-	-
90th %tile	0.00	-	-	-	-	-
95th %tile	0.00	-	-	-	-	-
98th %tile	0.00	-	-	-	-	-
99th %tile	0.00	-	-	-	-	-
Max Value	0.00	-	-	-	-	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Cadmium [Cd]
Number of Values - 837
Units - ppm
Detection Limit - .2
Analytical Method - AAS

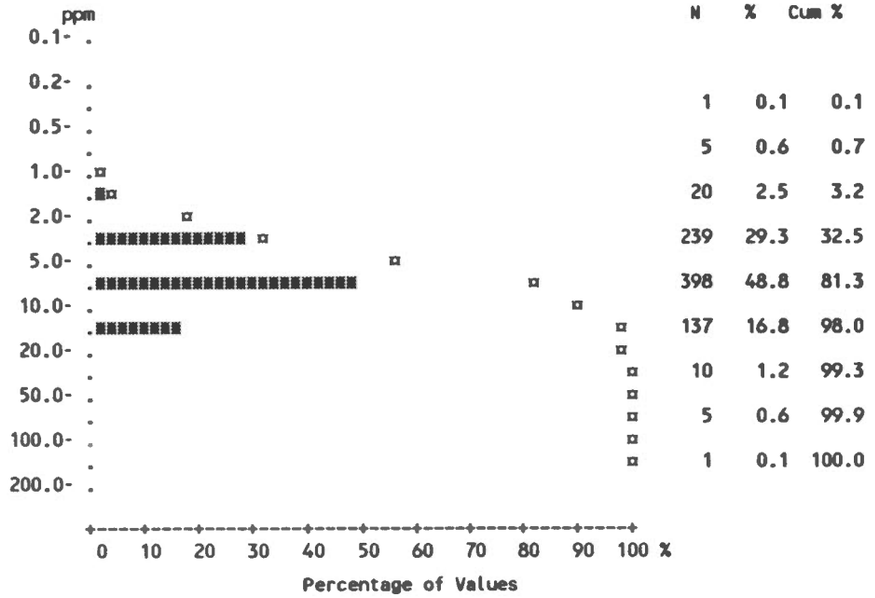


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	87	23	2	4	6	10	7	0	4	7	5	2
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	0.13	0.15	0.10	0.11	0.12	0.15	0.13	-	0.12	0.16	0.14	0.11
Standard Deviation	0.09	0.10	0.035	0.046	0.064	0.13	0.080	-	0.076	0.12	0.12	0.053
Skewness	3.59	2.14	7.31	4.88	4.14	3.46	1.98	-	2.86	1.47	2.65	3.07
Excess Kurtosis	15.11	3.70	53.67	23.26	17.28	13.30	2.34	-	6.74	0.60	6.07	7.74
Coef. of Var. %	68.25	71.20	33.58	41.77	55.56	92.27	59.83	-	61.30	74.52	82.83	46.49
Std. Error of the Mean	0.00	0	0	0	0	0.016	0.012	-	0.012	0.022	0.019	0.010
Lower 95% limit on Mean	0.12	0.13	0.098	0.10	0.10	0.11	0.11	-	0.10	0.12	0.10	0.094
Upper 95% limit on Mean	0.13	0.16	0.11	0.12	0.13	0.18	0.16	-	0.15	0.21	0.18	0.14
Geometric Statistics												
Mean	0.11	0.12	0.10	0.10	0.11	0.12	0.12	-	0.11	0.14	0.12	0.11
Log10 Mean	-0.94	-0.90	-0.99	-0.98	-0.97	-0.92	-0.92	-	-0.95	-0.87	-0.92	-0.96
Log10 S.D.	0.17	0.21	0.075	0.10	0.13	0.22	0.18	-	0.16	0.25	0.21	0.13
Log10 Std. Error of Mean	0.01	0.019	0	0.010	0.014	0.025	0.027	-	0.025	0.045	0.034	0.025
Lower 95% limit on Mean	0.11	0.11	0.099	0.10	0.10	0.11	0.11	-	0.10	0.11	0.10	0.097
Upper 95% limit on Mean	0.12	0.14	0.11	0.11	0.12	0.14	0.14	-	0.13	0.17	0.14	0.12
Percentiles												
Min Value	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-	0.10	0.10	0.10	0.10
25th %tile	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-	0.10	0.10	0.10	0.10
50th %tile	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-	0.10	0.20	0.10	0.10
75th %tile	0.10	0.20	0.10	0.10	0.10	0.10	0.20	-	0.10	0.20	0.20	0.20
80th %tile	0.20	0.20	0.10	0.10	0.10	0.20	0.20	-	0.10	0.30	0.20	0.20
90th %tile	0.30	0.30	0.10	0.20	0.20	0.30	0.30	-	0.20	0.40	0.30	0.20
95th %tile	0.30	0.40	0.20	0.20	0.30	0.40	0.30	-	0.30	0.40	0.50	0.30
98th %tile	0.40	0.40	0.20	0.30	0.40	0.60	0.40	-	0.40	0.50	0.60	0.30
99th %tile	0.50	0.50	0.30	0.40	0.50	0.90	0.40	-	0.40	0.50	0.60	0.30
Max Value	0.90	0.60	0.40	0.40	0.50	0.90	0.40	-	0.40	0.50	0.60	0.30

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Calcium in Water [Ca-W]
Number of Values - 816
Units - ppm
Detection Limit - 0.5
Analytical Method - ICP

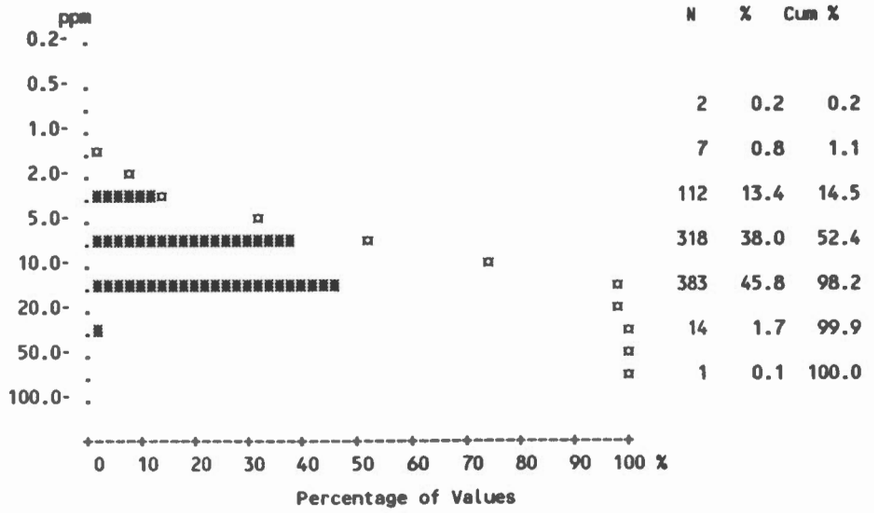


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B
Number of Values	816	127	104	98	95	73	44	42	42	29	38
Number of Values > D.L.	815	127	103	98	95	73	44	42	42	29	38
Number of Missing Values	23	3	0	0	0	1	1	0	0	1	0
Mean	7.97	5.06	13.57	8.56	8.27	8.17	5.60	8.88	7.67	6.83	3.97
Standard Deviation	8.37	2.46	19.20	4.16	4.28	6.28	3.08	3.51	3.92	2.66	1.89
Skewness	8.56	2.34	4.28	0.94	1.65	5.03	0.96	0.20	0.95	2.21	0.81
Excess Kurtosis	107.68	12.01	21.81	0.34	6.20	32.75	0.56	0.17	-0.029	5.82	-0.14
Coef. of Var. %	104.97	48.64	141.51	48.60	51.72	76.92	55.01	39.51	51.07	38.96	47.60
Std. Error of the Mean	0.29	0.22	1.88	0.42	0.44	0.74	0.46	0.54	0.60	0.49	0.31
Lower 95% limit on Mean	7.40	4.63	9.83	7.73	7.40	6.70	4.66	7.78	6.45	5.82	3.35
Upper 95% limit on Mean	8.55	5.49	17.30	9.40	9.14	9.64	6.53	9.97	8.89	7.84	4.59
Geometric Statistics											
Mean	6.45	4.57	8.98	7.64	7.24	7.05	4.85	8.03	6.81	6.47	3.56
Log10 Mean	0.81	0.66	0.95	0.88	0.86	0.85	0.69	0.90	0.83	0.81	0.55
Log10 S.D.	0.26	0.20	0.37	0.21	0.24	0.22	0.24	0.22	0.21	0.14	0.21
Log10 Std. Error of Mean	0.01	0.018	0.036	0.021	0.024	0.026	0.036	0.034	0.033	0.025	0.034
Lower 95% limit on Mean	6.19	4.22	7.62	6.94	6.48	6.27	4.11	6.86	5.84	5.74	3.03
Upper 95% limit on Mean	6.73	4.95	10.57	8.42	8.09	7.93	5.72	9.40	7.93	7.29	4.18
Percentiles											
Min Value	0.20	1.00	0.20	2.50	1.00	2.10	2.00	1.50	3.00	4.40	1.00
25th %tile	4.50	3.50	6.50	5.50	5.00	4.90	3.00	7.00	4.50	5.40	3.00
50th %tile	6.70	4.50	8.60	7.10	8.00	7.00	5.00	8.50	7.00	6.00	3.50
75th %tile	9.00	6.20	11.40	11.50	10.40	9.50	7.20	10.50	9.20	7.60	4.50
80th %tile	9.70	6.50	13.00	12.50	11.00	10.50	7.70	11.50	9.70	8.50	5.40
90th %tile	12.50	8.20	19.50	14.50	12.20	12.90	9.50	12.50	14.50	9.50	7.10
95th %tile	15.00	9.00	48.00	17.70	16.70	14.00	10.90	16.00	15.50	11.60	8.20
98th %tile	20.00	9.70	72.50	19.50	18.50	19.50	14.80	17.50	18.00	17.30	8.50
99th %tile	46.00	10.00	83.00	22.00	30.50	53.00	14.80	17.50	18.00	17.30	8.50
Max Value	145.00	21.00	145.00	22.00	30.50	53.00	14.80	17.50	18.00	17.30	8.50

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Cobalt [Co]
Number of Values - 837
Units - ppm
Detection Limit - 2
Analytical Method - AAS



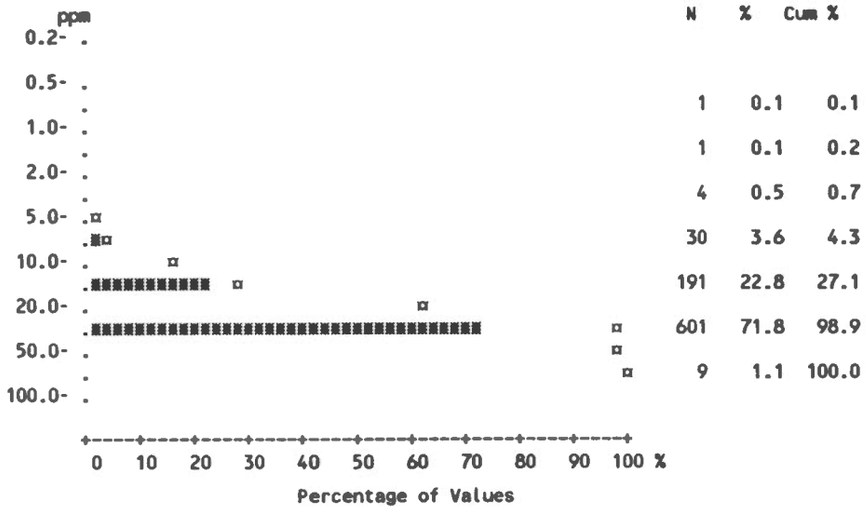
	N	%	Cum %
	2	0.2	0.2
	7	0.8	1.1
	112	13.4	14.5
	318	38.0	52.4
	383	45.8	98.2
	14	1.7	99.9
	1	0.1	100.0

	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	835	129	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	10.43	8.62	11.83	12.20	12.41	8.65	9.04	12.90	11.90	6.77	8.39	10.04
Standard Deviation	4.69	3.56	3.94	4.09	4.70	3.58	3.25	4.17	4.67	3.66	3.68	4.63
Skewness	1.28	0.24	0.65	0.34	0.29	0.30	0.38	0.53	0.24	1.33	0.26	0.54
Excess Kurtosis	7.84	-0.79	2.61	-0.11	0.42	-0.75	-0.83	-0.18	-0.28	1.90	-0.93	0.47
Coef. of Var. %	44.95	41.25	33.31	33.53	37.83	41.38	35.90	32.32	39.22	54.15	43.84	46.11
Std. Error of the Mean	0.16	0.31	0.39	0.41	0.48	0.42	0.48	0.65	0.72	0.67	0.60	0.89
Lower 95% limit on Mean	10.11	8.01	11.06	11.38	11.45	7.82	8.07	11.59	10.45	5.40	7.18	8.21
Upper 95% limit on Mean	10.75	9.24	12.59	13.02	13.38	9.48	10.02	14.22	13.36	8.13	9.60	11.87
Geometric Statistics												
Mean	9.35	7.81	11.13	11.48	11.42	7.85	8.47	12.25	10.91	5.96	7.55	8.86
Log10 Mean	0.97	0.89	1.05	1.06	1.06	0.89	0.93	1.09	1.04	0.78	0.88	0.95
Log10 S.D.	0.21	0.21	0.16	0.16	0.19	0.20	0.16	0.14	0.19	0.22	0.21	0.24
Log10 Std. Error of Mean	0.01	0.018	0.016	0.016	0.020	0.024	0.024	0.023	0.030	0.040	0.034	0.046
Lower 95% limit on Mean	9.05	7.19	10.35	10.68	10.45	7.04	7.57	11.02	9.50	4.93	6.43	7.11
Upper 95% limit on Mean	9.67	8.48	11.96	12.35	12.49	8.75	9.47	13.60	12.54	7.21	8.86	11.03
Percentiles												
Min Value	1.00	1.00	4.00	4.00	4.00	2.00	4.00	5.00	3.00	2.00	3.00	2.00
25th %tile	7.00	6.00	9.00	9.00	9.00	6.00	6.00	10.00	8.00	4.00	6.00	8.00
50th %tile	10.00	8.00	12.00	12.00	12.00	8.00	8.00	12.00	12.00	6.00	8.00	10.00
75th %tile	13.00	11.00	14.00	15.00	16.00	12.00	11.00	15.00	15.00	9.00	12.00	12.00
80th %tile	14.00	12.00	14.00	15.00	16.00	12.00	12.00	17.00	16.00	9.00	12.00	12.00
90th %tile	16.00	13.00	16.00	18.00	18.00	13.00	14.00	18.00	17.00	11.00	13.00	16.00
95th %tile	18.00	14.00	17.00	19.00	20.00	15.00	15.00	20.00	18.00	13.00	16.00	16.00
98th %tile	20.00	16.00	20.00	21.00	21.00	16.00	16.00	24.00	25.00	19.00	16.00	23.00
99th %tile	22.00	17.00	22.00	25.00	29.00	17.00	16.00	24.00	25.00	19.00	16.00	23.00
Max Value	53.00	17.00	29.00	25.00	29.00	17.00	16.00	24.00	25.00	19.00	16.00	23.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Copper [Cu]
Number of Values - 837
Units - ppm
Detection Limit - 2
Analytical Method - AAS

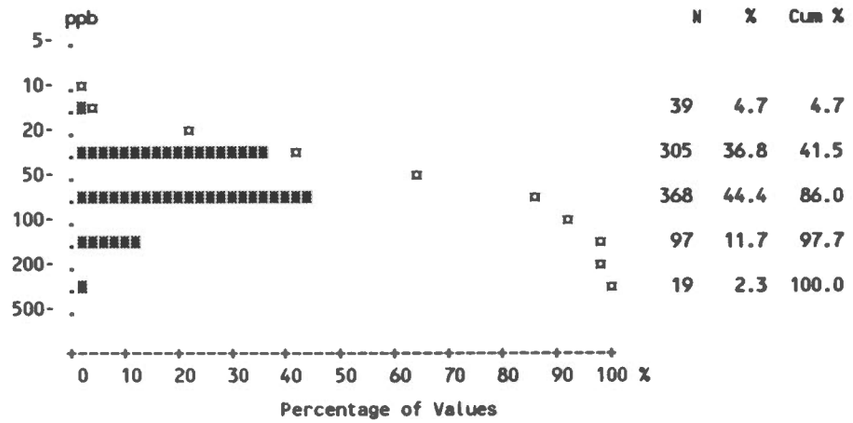


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	836	130	104	98	94	73	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	26.33	23.58	28.24	30.59	28.09	25.62	21.76	32.80	27.21	22.87	28.03	22.00
Standard Deviation	9.52	10.10	6.80	7.50	8.44	11.80	6.90	4.13	10.93	9.64	11.08	11.90
Skewness	0.45	1.88	-0.53	-0.36	-0.13	0.32	-0.046	-0.014	1.40	-0.085	0.62	1.80
Excess Kurtosis	2.02	8.66	0.50	-0.38	-0.18	-0.20	-1.14	-0.55	4.44	-0.48	0.14	4.33
Coef. of Var. %	36.15	42.83	24.09	24.52	30.06	46.04	31.73	12.59	40.17	42.16	39.55	54.11
Std. Error of the Mean	0.33	0.89	0.67	0.76	0.87	1.37	1.03	0.65	1.69	1.76	1.80	2.29
Lower 95% limit on Mean	25.68	21.83	26.92	29.09	26.36	22.89	19.68	31.50	23.81	19.27	24.38	17.29
Upper 95% limit on Mean	26.98	25.34	29.56	32.10	29.81	28.35	23.83	34.11	30.62	26.47	31.67	26.71
Geometric Statistics												
Mean	24.33	21.63	27.23	29.54	26.63	22.09	20.58	32.55	25.15	20.01	25.86	19.59
Log10 Mean	1.39	1.34	1.44	1.47	1.43	1.34	1.31	1.51	1.40	1.30	1.41	1.29
Log10 S.D.	0.19	0.19	0.13	0.12	0.15	0.28	0.15	0.056	0.18	0.27	0.18	0.21
Log10 Std. Error of Mean	0.01	0.016	0.012	0.012	0.015	0.033	0.023	0	0.028	0.049	0.030	0.040
Lower 95% limit on Mean	23.62	20.06	25.73	27.93	24.81	19.02	18.53	31.26	22.08	15.88	22.53	16.20
Upper 95% limit on Mean	25.06	23.32	28.83	31.24	28.59	25.66	22.86	33.89	28.65	25.22	29.69	23.70
Percentiles												
Min Value	1.00	4.00	8.00	12.00	10.00	1.00	9.00	24.00	9.00	2.00	11.00	8.00
25th %tile	20.00	17.00	24.00	25.00	24.00	17.00	16.00	30.00	22.00	19.00	23.00	13.00
50th %tile	27.00	22.00	28.00	32.00	29.00	26.00	23.00	33.00	26.00	22.00	27.00	19.00
75th %tile	32.00	28.00	33.00	36.00	33.00	32.00	27.00	35.00	32.00	30.00	32.00	27.00
80th %tile	34.00	30.00	34.00	37.00	35.00	34.00	28.00	36.00	32.00	30.00	34.00	30.00
90th %tile	37.00	35.00	36.00	40.00	38.00	42.00	30.00	39.00	35.00	35.00	48.00	35.00
95th %tile	40.00	40.00	38.00	42.00	40.00	49.00	33.00	40.00	42.00	40.00	53.00	36.00
98th %tile	46.00	45.00	38.00	45.00	48.00	51.00	34.00	41.00	71.00	41.00	55.00	66.00
99th %tile	51.00	54.00	41.00	45.00	50.00	57.00	34.00	41.00	71.00	41.00	55.00	66.00
Max Value	84.00	84.00	46.00	45.00	50.00	57.00	34.00	41.00	71.00	41.00	55.00	66.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Fluoride [F-W]
Number of Values - 828
Units - ppb
Detection Limit - 20
Analytical Method - ISE

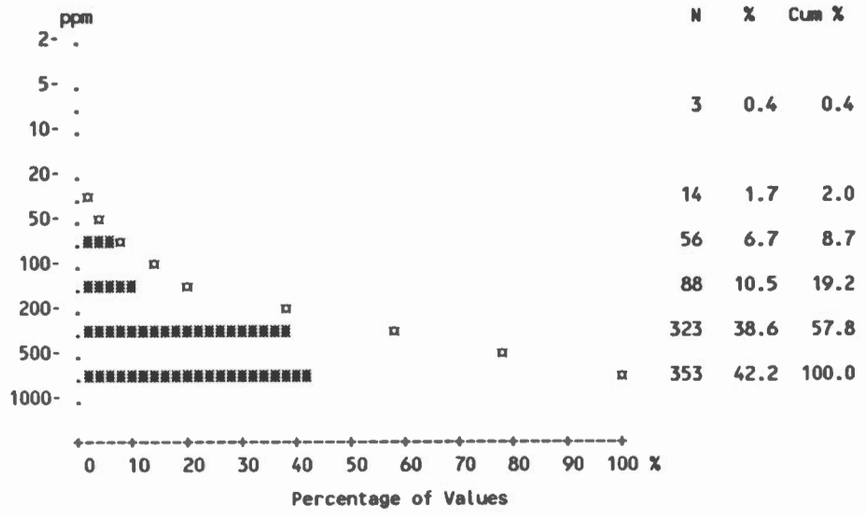


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	828	129	104	98	95	74	45	42	42	29	38	27
Number of Values > D.L.	828	129	104	98	95	74	45	42	42	29	38	27
Number of Missing Values	11	1	0	0	0	0	0	0	0	1	0	0
Mean	69.94	46.53	101.48	110.51	81.39	45.22	65.16	70.24	71.48	36.28	41.37	52.89
Standard Deviation	46.23	19.17	64.76	61.31	40.88	16.66	36.03	35.50	28.32	13.08	15.15	10.93
Skewness	2.58	1.78	1.61	2.05	1.73	1.98	1.99	1.80	2.09	0.68	0.68	0.60
Excess Kurtosis	9.65	8.23	2.99	5.46	3.12	7.76	5.81	3.09	7.63	0.017	0.23	0.55
Coef. of Var. %	66.10	41.20	63.81	55.48	50.23	36.85	55.30	50.54	39.62	36.05	36.61	20.67
Std. Error of the Mean	1.61	1.69	6.35	6.19	4.19	1.94	5.37	5.48	4.37	2.43	2.46	2.10
Lower 95% limit on Mean	66.79	43.19	88.89	98.22	73.06	41.36	54.33	59.17	62.65	31.30	36.39	48.56
Upper 95% limit on Mean	73.09	49.87	114.08	122.80	89.72	49.08	75.98	81.30	80.30	41.25	46.35	57.21
Geometric Statistics												
Mean	59.83	43.03	85.80	98.43	73.73	42.67	57.49	63.87	67.09	34.10	38.74	51.83
Log10 Mean	1.78	1.63	1.93	1.99	1.87	1.63	1.76	1.81	1.83	1.53	1.59	1.71
Log10 S.D.	0.23	0.17	0.25	0.20	0.19	0.15	0.22	0.18	0.15	0.16	0.16	0.089
Log10 Std. Error of Mean	0.01	0.015	0.024	0.020	0.019	0.017	0.033	0.028	0.024	0.029	0.026	0.017
Lower 95% limit on Mean	57.68	40.12	76.83	89.73	67.56	39.44	49.40	56.06	60.09	29.74	34.27	47.77
Upper 95% limit on Mean	62.06	46.15	95.81	107.98	80.48	46.17	66.91	72.77	74.90	39.10	43.78	56.23
Percentiles												
Min Value	20.00	20.00	30.00	50.00	22.00	20.00	20.00	30.00	30.00	20.00	20.00	30.00
25th %tile	40.00	30.00	50.00	70.00	56.00	38.00	40.00	50.00	50.00	30.00	30.00	46.00
50th %tile	56.00	48.00	80.00	90.00	66.00	40.00	60.00	60.00	70.00	36.00	40.00	52.00
75th %tile	80.00	56.00	140.00	140.00	90.00	52.00	80.00	74.00	82.00	40.00	50.00	58.00
80th %tile	88.00	60.00	150.00	150.00	100.00	56.00	80.00	80.00	86.00	50.00	52.00	58.00
90th %tile	130.00	66.00	190.00	180.00	140.00	62.00	100.00	120.00	90.00	50.00	62.00	70.00
95th %tile	160.00	70.00	220.00	240.00	160.00	68.00	120.00	150.00	110.00	60.00	74.00	74.00
98th %tile	210.00	96.00	250.00	370.00	220.00	94.00	220.00	200.00	200.00	72.00	84.00	82.00
99th %tile	240.00	100.00	340.00	380.00	240.00	130.00	220.00	200.00	200.00	72.00	84.00	82.00
Max Value	380.00	160.00	370.00	380.00	240.00	130.00	220.00	200.00	200.00	72.00	84.00	82.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Fluorine [F]
Number of Values - 837
Units - ppm
Detection Limit - 20
Analytical Method - ISE

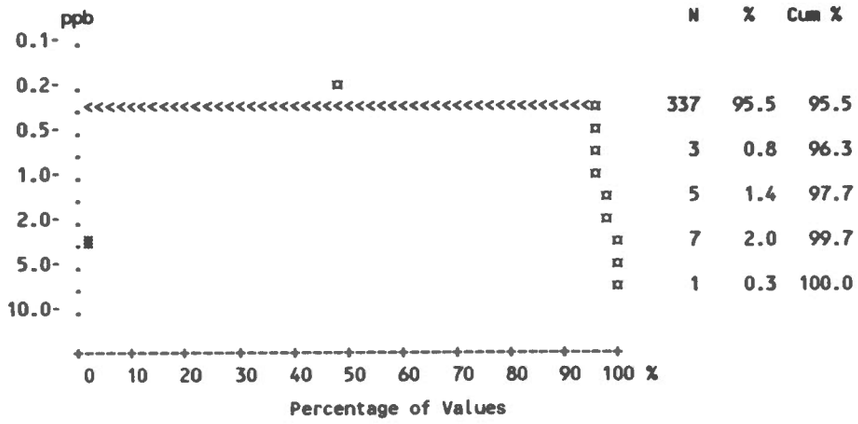


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	834	128	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	446.59	329.05	568.89	536.48	586.91	307.23	366.44	557.93	540.24	263.20	276.18	447.59
Standard Deviation	236.03	210.73	195.69	189.27	223.91	202.24	217.18	176.56	214.48	167.32	219.07	155.67
Skewness	0.09	0.49	-0.032	0.040	-0.49	0.90	0.47	0.077	-0.75	1.54	0.77	0.12
Excess Kurtosis	-0.95	-0.71	-0.69	-0.098	-0.73	-0.12	-0.78	-0.54	-0.62	3.45	-0.78	-1.03
Coef. of Var. %	52.85	64.04	34.40	35.28	38.15	65.83	59.27	31.65	39.70	63.57	79.32	34.78
Std. Error of the Mean	8.16	18.48	19.19	19.12	23.09	23.51	32.38	27.57	33.10	30.55	35.54	29.96
Lower 95% limit on Mean	430.58	292.49	530.84	498.53	541.04	260.37	301.18	502.20	473.40	200.73	204.14	386.00
Upper 95% limit on Mean	462.61	365.62	606.95	574.43	632.79	354.09	431.71	613.66	607.08	325.67	348.23	509.19
Geometric Statistics												
Mean	361.91	247.78	529.44	495.79	527.30	244.47	295.76	526.12	468.62	217.57	193.73	419.49
Log10 Mean	2.56	2.39	2.72	2.70	2.72	2.39	2.47	2.72	2.67	2.34	2.29	2.62
Log10 S.D.	0.33	0.38	0.18	0.19	0.23	0.31	0.31	0.16	0.29	0.28	0.39	0.17
Log10 Std. Error of Mean	0.01	0.033	0.017	0.019	0.024	0.036	0.047	0.025	0.044	0.052	0.064	0.032
Lower 95% limit on Mean	343.90	213.11	488.84	454.12	473.47	207.20	238.28	467.44	381.93	170.39	143.91	360.93
Upper 95% limit on Mean	380.86	288.09	573.43	541.28	587.26	288.44	367.11	592.17	575.00	277.81	260.81	487.56
Percentiles												
Min Value	10.00	10.00	90.00	110.00	80.00	40.00	50.00	115.00	40.00	55.00	40.00	190.00
25th %tile	250.00	160.00	425.00	425.00	385.00	165.00	190.00	435.00	400.00	170.00	85.00	335.00
50th %tile	440.00	290.00	550.00	520.00	640.00	255.00	360.00	540.00	600.00	225.00	220.00	445.00
75th %tile	640.00	500.00	710.00	680.00	750.00	410.00	515.00	720.00	700.00	340.00	430.00	570.00
80th %tile	680.00	520.00	760.00	720.00	760.00	475.00	560.00	720.00	720.00	353.00	530.00	570.00
90th %tile	760.00	640.00	830.00	800.00	850.00	670.00	700.00	800.00	760.00	420.00	640.00	670.00
95th %tile	830.00	720.00	870.00	840.00	900.00	740.00	740.00	840.00	790.00	540.00	700.00	700.00
98th %tile	880.00	800.00	920.00	990.00	940.00	760.00	880.00	920.00	810.00	870.00	760.00	740.00
99th %tile	920.00	820.00	950.00	990.00	1000.00	830.00	880.00	920.00	810.00	870.00	760.00	740.00
Max Value	1000.00	850.00	960.00	990.00	1000.00	830.00	880.00	920.00	810.00	870.00	760.00	740.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Gold [Au]
Number of Values - 353
Units - ppb
Detection Limit - 1-var
Analytical Method - FA-NA

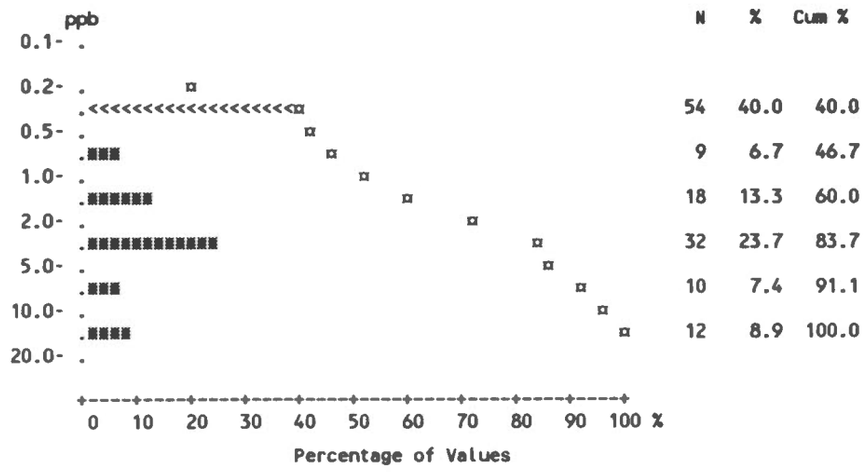


	All Units*	PT	Q	G	WVr	GC
Number of Values	353	55	51	56	42	25
Number of Values > D.L.	16	0	3	2	4	0
Number of Missing Values	486	75	53	42	32	17
Mean	0.62	-	0.65	0.66	0.67	-
Standard Deviation	0.66	-	0.69	1.02	0.62	-
Skewness	7.11	-	4.54	6.72	4.13	-
Excess Kurtosis	59.12	-	19.16	45.20	17.73	-
Coef. of Var. %	106.38	-	106.28	154.15	93.21	-
Std. Error of the Mean	0.03	-	0.096	0.14	0.096	-
Lower 95% limit on Mean	0.55	-	0.45	0.39	0.47	-
Upper 95% limit on Mean	0.68	-	0.84	0.93	0.86	-
Geometric Statistics						
Mean	0.54	-	0.55	0.54	0.57	-
Log10 Mean	-0.27	-	-0.26	-0.27	-0.24	-
Log10 S.D.	0.16	-	0.18	0.18	0.19	-
Log10 Std. Error of Mean	0.01	-	0.025	0.024	0.029	-
Lower 95% limit on Mean	0.52	-	0.49	0.48	0.50	-
Upper 95% limit on Mean	0.56	-	0.62	0.60	0.65	-
Percentiles						
Min Value	0.00	-	0	0	0	-
25th %tile	0.00	-	0	0	0	-
50th %tile	0.00	-	0	0	0	-
75th %tile	0.00	-	0	0	0	-
80th %tile	0.00	-	0	0	0	-
90th %tile	0.00	-	0	0	0	-
95th %tile	0.00	-	1.00	0	2.00	-
98th %tile	3.00	-	4.00	2.00	4.00	-
99th %tile	4.00	-	4.00	8.00	4.00	-
Max Value	8.00	-	4.00	8.00	4.00	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Gold [Au]
Number of Values - 135
Units - ppb
Detection Limit - 1-var
Analytical Method - rpt1

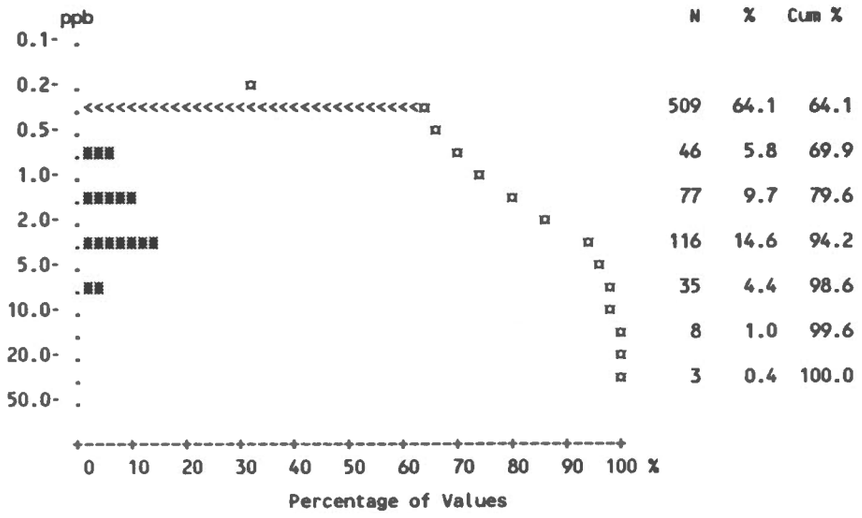


	All Units*
Number of Values	135
Number of Values > D.L.	81
Number of Missing Values	704
Mean	3.34
Standard Deviation	4.18
Skewness	1.90
Excess Kurtosis	3.00
Coef. of Var. %	125.11
Std. Error of the Mean	0.36
Lower 95% limit on Mean	2.63
Upper 95% limit on Mean	4.05
Geometric Statistics	
Mean	1.69
Log10 Mean	0.23
Log10 S.D.	0.51
Log10 Std. Error of Mean	0.04
Lower 95% limit on Mean	1.38
Upper 95% limit on Mean	2.06
Percentiles	
Min Value	0.00
25th %tile	0.00
50th %tile	2.00
75th %tile	4.00
80th %tile	5.00
90th %tile	10.00
95th %tile	14.00
98th %tile	17.00
99th %tile	17.00
Max Value	18.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Gold [Au]
Number of Values - 794
Units - ppb
Detection Limit - 1-var
Analytical Method - rpt2

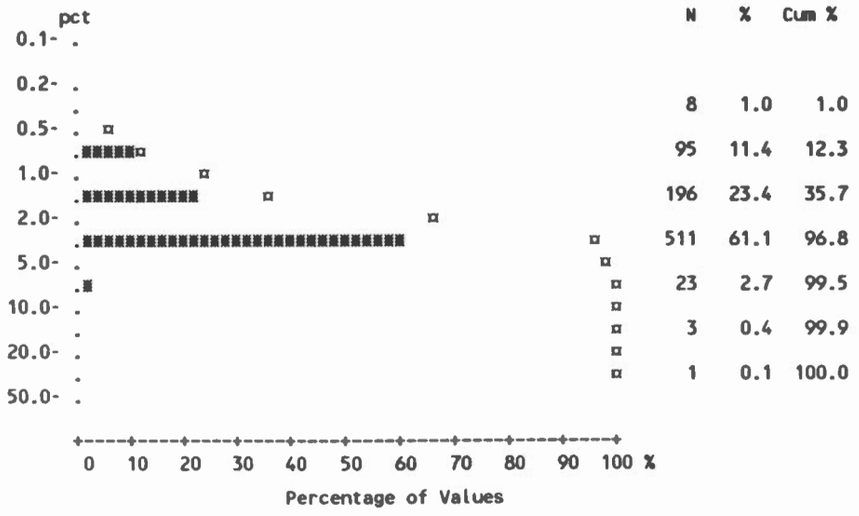


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	794	124	97	92	95	69	40	40	42	30	29	26
Number of Values > D.L.	285	43	36	38	22	31	16	20	11	15	13	5
Number of Missing Values	45	6	7	6	0	5	5	2	0	0	9	1
Mean	1.64	1.58	1.28	1.97	1.11	1.96	1.23	2.63	1.73	2.58	2.14	0.98
Standard Deviation	2.59	2.08	1.51	2.26	1.38	3.82	1.19	3.96	3.41	3.84	3.70	1.87
Skewness	4.92	2.74	2.70	1.75	2.55	5.85	1.59	3.55	3.32	2.46	3.86	4.32
Excess Kurtosis	35.35	9.34	7.97	3.25	6.59	39.25	1.53	14.93	10.70	6.35	15.76	17.91
Coef. of Var. %	158.01	131.79	117.80	114.95	123.94	195.35	96.92	150.71	197.72	148.63	173.09	190.47
Std. Error of the Mean	0.09	0.19	0.15	0.24	0.14	0.46	0.19	0.63	0.53	0.70	0.69	0.37
Lower 95% limit on Mean	1.46	1.21	0.98	1.50	0.83	1.04	0.85	1.36	0.66	1.15	0.73	0.23
Upper 95% limit on Mean	1.82	1.95	1.59	2.44	1.39	2.87	1.60	3.89	2.79	4.02	3.55	1.74
Geometric Statistics												
Mean	0.93	0.93	0.86	1.12	0.74	1.05	0.87	1.36	0.82	1.25	1.12	0.64
Log10 Mean	-0.03	-0.033	-0.065	0.049	-0.13	0.020	-0.060	0.13	-0.089	0.098	0.051	-0.19
Log10 S.D.	0.40	0.40	0.35	0.45	0.33	0.42	0.34	0.48	0.42	0.49	0.45	0.28
Log10 Std. Error of Mean	0.01	0.036	0.035	0.047	0.034	0.050	0.053	0.076	0.065	0.090	0.083	0.056
Lower 95% limit on Mean	0.87	0.79	0.73	0.91	0.63	0.83	0.68	0.96	0.60	0.82	0.76	0.49
Upper 95% limit on Mean	0.99	1.09	1.01	1.39	0.86	1.32	1.12	1.94	1.10	1.91	1.66	0.84
Percentiles												
Min Value	0.00	0	0	0	0	0	0	0	0	0	0	0
25th %tile	0.00	0	0	0	0	0	0	0	0	0	0	0
50th %tile	0.00	0	0	0	0	0	0	0	0	0	0	0
75th %tile	2.00	2.00	2.00	3.00	0	2.00	2.00	3.00	1.00	3.00	3.00	0
80th %tile	3.00	3.00	2.00	3.00	1.00	3.00	2.00	3.00	1.00	3.00	3.00	0
90th %tile	4.00	4.00	3.00	6.00	3.00	4.00	3.00	5.00	4.00	6.00	5.00	1.00
95th %tile	6.00	5.00	4.00	6.00	4.00	6.00	4.00	8.00	7.00	10.00	5.00	2.00
98th %tile	9.00	7.00	8.00	8.00	7.00	9.00	5.00	23.00	17.00	18.00	20.00	10.00
99th %tile	13.00	11.00	8.00	12.00	7.00	30.00	5.00	23.00	17.00	18.00	20.00	10.00
Max Value	30.00	13.00	8.00	12.00	7.00	30.00	5.00	23.00	17.00	18.00	20.00	10.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Iron [Fe]
Number of Values - 837
Units - pct
Detection Limit - .02
Analytical Method - AAS

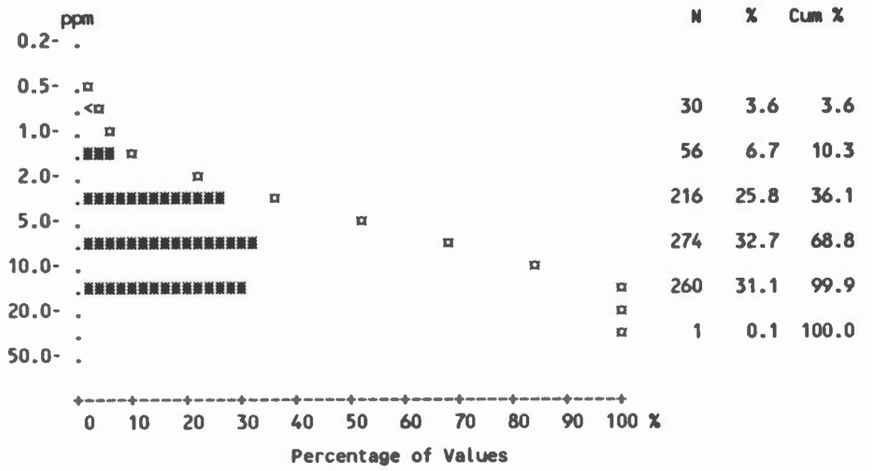


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	837	130	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	2.76	2.05	3.22	3.45	3.08	2.39	2.08	3.72	2.99	1.75	2.02	3.25
Standard Deviation	1.65	1.25	1.05	1.10	1.18	2.19	1.05	1.05	1.07	1.15	1.87	2.58
Skewness	3.47	1.98	-0.25	-0.17	-0.25	3.77	0.60	-1.05	-0.52	1.22	3.47	2.28
Excess Kurtosis	33.28	8.89	-0.23	1.46	-0.30	19.12	-0.83	1.02	-0.54	1.14	14.60	6.46
Coef. of Var. %	60.03	60.77	32.65	32.05	38.38	91.45	50.47	28.26	35.97	65.34	92.27	79.44
Std. Error of the Mean	0.06	0.11	0.10	0.11	0.12	0.25	0.16	0.16	0.17	0.21	0.30	0.50
Lower 95% limit on Mean	2.64	1.84	3.02	3.22	2.83	1.89	1.77	3.39	2.65	1.33	1.41	2.23
Upper 95% limit on Mean	2.87	2.27	3.43	3.67	3.32	2.90	2.40	4.05	3.32	2.18	2.64	4.28
Geometric Statistics												
Mean	2.33	1.74	3.01	3.21	2.77	1.86	1.84	3.50	2.71	1.45	1.60	2.59
Log10 Mean	0.37	0.24	0.48	0.51	0.44	0.27	0.26	0.54	0.43	0.16	0.21	0.41
Log10 S.D.	0.27	0.26	0.18	0.18	0.22	0.30	0.22	0.18	0.23	0.27	0.28	0.29
Log10 Std. Error of Mean	0.01	0.022	0.017	0.019	0.023	0.035	0.033	0.028	0.035	0.050	0.045	0.057
Lower 95% limit on Mean	2.23	1.57	2.78	2.95	2.50	1.59	1.57	3.07	2.31	1.15	1.30	1.98
Upper 95% limit on Mean	2.43	1.93	3.26	3.50	3.08	2.18	2.14	3.98	3.19	1.83	1.98	3.38
Percentiles												
Min Value	0.30	0.50	0.60	0.60	0.50	0.40	0.60	0.70	0.30	0.60	0.50	0.80
25th %tile	1.50	1.10	2.60	3.00	2.40	1.20	1.20	3.40	2.20	0.80	1.00	1.40
50th %tile	2.80	1.70	3.40	3.50	3.20	1.90	1.90	3.90	3.20	1.60	1.50	2.50
75th %tile	3.70	2.80	3.90	4.10	3.90	3.20	2.80	4.30	3.80	2.20	2.50	4.40
80th %tile	3.90	3.10	4.10	4.10	4.00	3.40	3.00	4.60	4.00	2.20	2.60	4.60
90th %tile	4.30	3.50	4.50	4.70	4.50	4.00	3.40	4.90	4.10	3.50	3.70	5.60
95th %tile	4.80	3.80	4.80	5.00	4.90	5.00	4.10	5.00	4.20	3.90	4.50	6.80
98th %tile	5.30	4.20	5.00	5.30	5.20	9.60	4.50	5.50	5.10	5.30	11.50	13.50
99th %tile	6.50	5.10	5.10	7.50	6.20	16.00	4.50	5.50	5.10	5.30	11.50	13.50
Max Value	23.00	9.70	6.10	7.50	6.20	16.00	4.50	5.50	5.10	5.30	11.50	13.50

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Lead [Pb]
Number of Values - 837
Units - ppm
Detection Limit - 2
Analytical Method - AAS

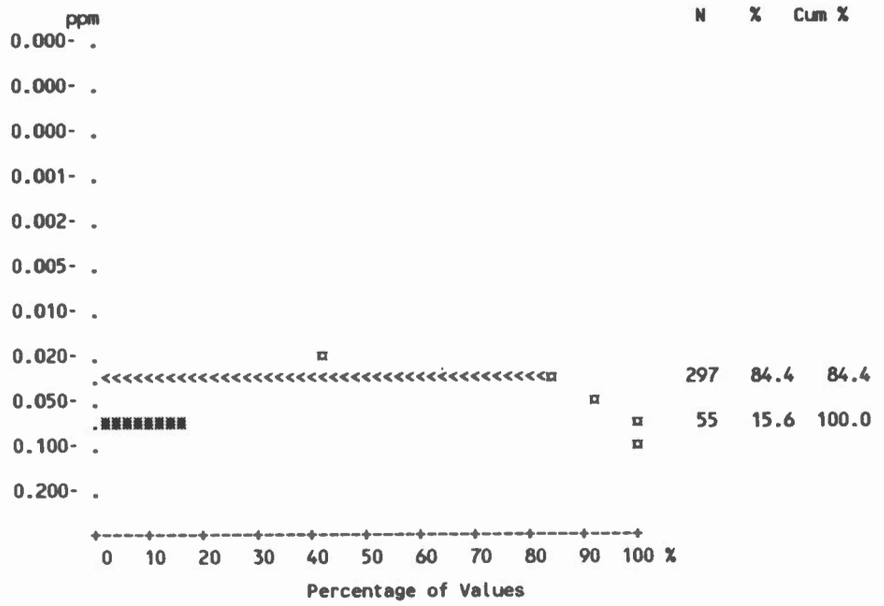


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	807	125	103	95	92	66	44	41	41	28	34	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	7.95	5.56	10.41	10.88	8.81	5.41	6.47	11.54	8.55	5.33	5.42	8.04
Standard Deviation	4.38	3.41	3.39	4.40	4.11	3.65	3.67	3.29	3.58	3.28	4.25	3.79
Skewness	0.30	0.99	-0.35	-0.059	0.21	0.88	0.60	-0.99	-0.41	0.92	1.17	0.52
Excess Kurtosis	-0.82	0.31	-0.27	-0.24	-0.55	-0.018	-0.68	0.44	-1.09	0.22	0.35	0.47
Coef. of Var. %	55.13	61.27	32.52	40.41	46.62	67.57	56.68	28.49	41.92	61.57	78.34	47.12
Std. Error of the Mean	0.15	0.30	0.33	0.44	0.42	0.42	0.55	0.51	0.55	0.60	0.69	0.73
Lower 95% limit on Mean	7.65	4.97	9.75	10.00	7.97	4.56	5.37	10.50	7.43	4.11	4.02	6.54
Upper 95% limit on Mean	8.24	6.15	11.07	11.76	9.65	6.25	7.57	12.57	9.66	6.56	6.82	9.54
Geometric Statistics												
Mean	6.50	4.61	9.68	9.62	7.63	4.21	5.42	10.85	7.51	4.39	4.06	7.09
Log10 Mean	0.81	0.66	0.99	0.98	0.88	0.62	0.73	1.04	0.88	0.64	0.61	0.85
Log10 S.D.	0.30	0.28	0.19	0.25	0.26	0.33	0.28	0.18	0.25	0.29	0.34	0.24
Log10 Std. Error of Mean	0.01	0.024	0.018	0.026	0.027	0.038	0.041	0.027	0.039	0.053	0.055	0.045
Lower 95% limit on Mean	6.20	4.13	8.90	8.56	6.75	3.54	4.48	9.55	6.25	3.42	3.14	5.72
Upper 95% limit on Mean	6.82	5.14	10.53	10.82	8.63	5.02	6.56	12.33	9.01	5.63	5.26	8.79
Percentiles												
Min Value	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	2.00
25th %tile	4.00	3.00	8.00	8.00	6.00	3.00	4.00	11.00	5.00	3.00	3.00	5.00
50th %tile	8.00	4.00	11.00	11.00	9.00	4.00	6.00	12.00	10.00	4.00	3.00	9.00
75th %tile	11.00	8.00	12.00	14.00	12.00	8.00	9.00	14.00	11.00	8.00	7.00	11.00
80th %tile	12.00	8.00	13.00	14.00	12.00	8.00	10.00	14.00	12.00	8.00	9.00	11.00
90th %tile	14.00	10.00	15.00	16.00	14.00	10.00	12.00	15.00	12.00	9.00	13.00	12.00
95th %tile	15.00	13.00	16.00	19.00	17.00	13.00	13.00	15.00	13.00	13.00	16.00	12.00
98th %tile	17.00	15.00	17.00	19.00	18.00	15.00	15.00	17.00	14.00	14.00	16.00	19.00
99th %tile	19.00	15.00	17.00	21.00	19.00	15.00	15.00	17.00	14.00	14.00	16.00	19.00
Max Value	21.00	15.00	17.00	21.00	19.00	15.00	15.00	17.00	14.00	14.00	16.00	19.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Lead in Water [Pb-W]
Number of Values - 352
Units - ppm
Detection Limit - .05
Analytical Method - ICP

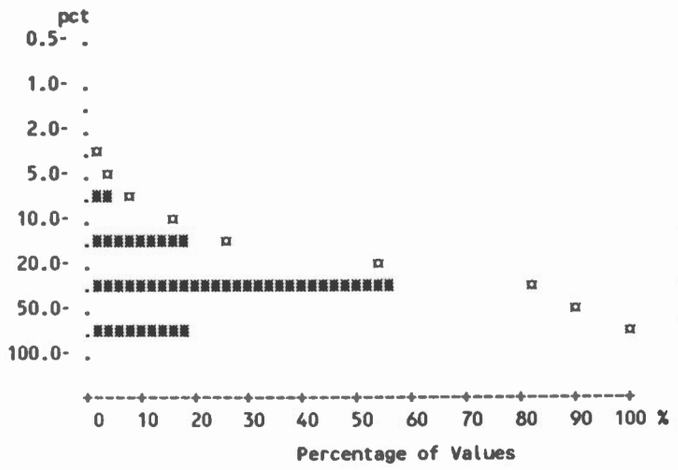


	All Units*	PT	Q	G	WVr	GC
Number of Values	352	54	51	56	39	26
Number of Values > D.L.	4	2	0	0	0	0
Number of Missing Values	487	76	53	42	35	16
Mean	0.03	0.028	-	-	-	-
Standard Deviation	0.01	0.014	-	-	-	-
Skewness	0.00	4.77	-	-	-	-
Excess Kurtosis	0.00	21.12	-	-	-	-
Coef. of Var. %	30.79	51.47	-	-	-	-
Std. Error of the Mean	0.00	0	-	-	-	-
Lower 95% limit on Mean	0.03	0.024	-	-	-	-
Upper 95% limit on Mean	0.03	0.032	-	-	-	-
Geometric Statistics						
Mean	0.03	0.026	-	-	-	-
Log10 Mean	-1.60	-1.58	-	-	-	-
Log10 S.D.	0.06	0.11	-	-	-	-
Log10 Std. Error of Mean	0.00	0.016	-	-	-	-
Lower 95% limit on Mean	0.03	0.024	-	-	-	-
Upper 95% limit on Mean	0.03	0.028	-	-	-	-
Percentiles						
Min Value	0.02	0.020	-	-	-	-
25th %tile	0.02	0.020	-	-	-	-
50th %tile	0.02	0.020	-	-	-	-
75th %tile	0.02	0.020	-	-	-	-
80th %tile	0.02	0.050	-	-	-	-
90th %tile	0.05	0.050	-	-	-	-
95th %tile	0.05	0.050	-	-	-	-
98th %tile	0.05	0.10	-	-	-	-
99th %tile	0.10	0.10	-	-	-	-
Max Value	0.10	0.10	-	-	-	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Loss-On-Ignition [LOI]
Number of Values - 837
Units - pct
Detection Limit - 1.0
Analytical Method - GRAV



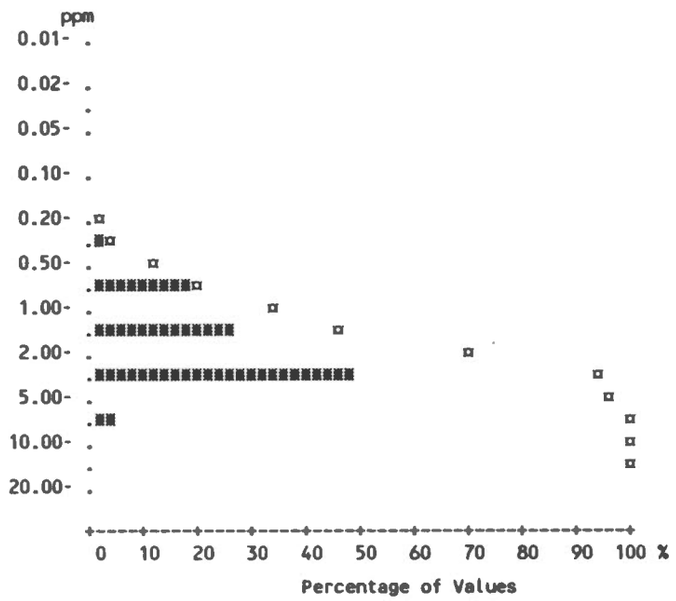
	N	%	Cum %
	1	0.1	0.1
	15	1.8	1.9
	44	5.3	7.2
	153	18.3	25.4
	476	56.9	82.3
	148	17.7	100.0

	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	837	130	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	32.91	40.30	28.51	26.33	26.47	38.78	39.66	24.51	26.65	41.99	42.98	29.38
Standard Deviation	17.35	17.12	12.38	13.61	15.56	18.24	16.44	12.51	16.91	18.46	17.56	17.91
Skewness	0.52	0.032	0.87	0.93	1.10	-0.13	0.44	1.76	0.99	-0.29	-0.30	0.54
Excess Kurtosis	-0.48	-0.73	0.61	0.60	1.03	-0.88	-0.60	3.48	0.57	-0.81	-0.59	-1.04
Coef. of Var. %	52.71	42.49	43.43	51.66	58.78	47.03	41.45	51.06	63.44	43.97	40.86	60.95
Std. Error of the Mean	0.60	1.50	1.21	1.37	1.60	2.12	2.45	1.95	2.61	3.37	2.85	3.45
Lower 95% limit on Mean	31.73	37.33	26.10	23.61	23.28	34.55	34.72	20.56	21.38	35.10	37.20	22.30
Upper 95% limit on Mean	34.09	43.27	30.92	29.06	29.66	43.00	44.60	28.46	31.92	48.89	48.75	36.47
Geometric Statistics												
Mean	27.77	35.48	25.90	23.06	22.11	32.66	36.12	22.12	21.42	35.36	37.81	23.72
Log10 Mean	1.44	1.55	1.41	1.36	1.34	1.51	1.56	1.34	1.33	1.55	1.58	1.38
Log10 S.D.	0.28	0.25	0.20	0.23	0.28	0.30	0.20	0.19	0.32	0.33	0.26	0.31
Log10 Std. Error of Mean	0.01	0.022	0.019	0.023	0.029	0.035	0.030	0.030	0.049	0.060	0.042	0.060
Lower 95% limit on Mean	26.59	32.06	23.70	20.74	19.39	27.85	31.47	19.22	17.09	26.66	31.04	17.82
Upper 95% limit on Mean	29.00	39.26	28.31	25.65	25.22	38.30	41.47	25.46	26.85	46.89	46.04	31.57
Percentiles												
Min Value	2.00	2.00	6.00	6.00	3.00	4.00	9.00	9.00	3.00	2.00	4.00	4.00
25th %tile	20.00	27.00	20.00	15.00	16.00	26.00	29.00	16.00	15.00	30.00	35.00	17.00
50th %tile	30.00	38.00	25.00	24.00	24.00	41.00	35.00	23.00	21.00	42.00	44.00	23.00
75th %tile	44.00	55.00	34.00	33.00	33.00	54.00	47.00	27.00	39.00	58.00	53.00	45.00
80th %tile	49.00	56.00	38.00	38.00	36.00	56.00	54.00	29.00	41.00	59.00	57.00	49.00
90th %tile	59.00	62.00	47.00	45.00	47.00	64.00	66.00	34.00	53.00	64.00	67.00	60.00
95th %tile	66.00	71.00	54.00	52.00	62.00	66.00	70.00	51.00	59.00	70.00	72.00	60.00
98th %tile	71.00	73.00	56.00	65.00	67.00	71.00	76.00	70.00	79.00	73.00	72.00	63.00
99th %tile	74.00	74.00	57.00	70.00	80.00	77.00	76.00	70.00	79.00	73.00	72.00	63.00
Max Value	81.00	74.00	71.00	70.00	80.00	77.00	76.00	70.00	79.00	73.00	72.00	63.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Magnesium in Water [Mg-W]
Number of Values - 815
Units - ppm
Detection Limit - .05
Analytical Method - ICP

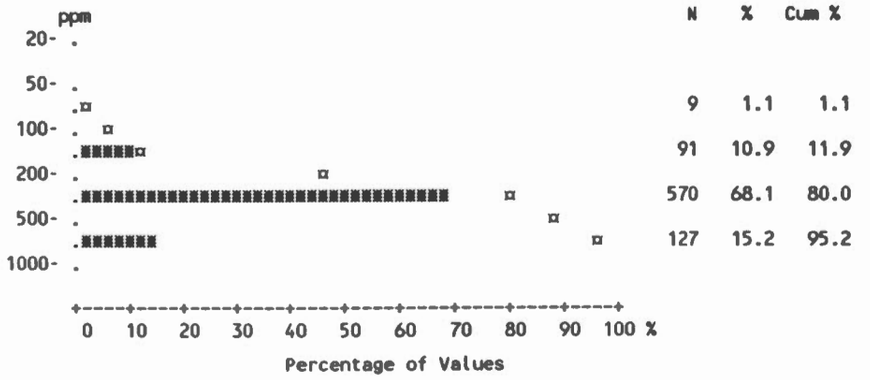


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B
Number of Values	815	127	104	98	95	72	44	42	42	29	38
Number of Values > D.L.	814	127	103	98	95	72	44	42	42	29	38
Number of Missing Values	24	3	0	0	0	2	1	0	0	1	0
Mean	2.35	1.52	3.43	3.00	2.67	2.01	1.81	3.22	2.42	1.40	1.21
Standard Deviation	1.47	1.22	1.51	1.37	1.35	1.28	1.21	1.18	1.11	0.70	0.63
Skewness	1.21	4.65	0.39	0.89	0.77	1.27	0.59	0.44	0.43	0.99	1.04
Excess Kurtosis	2.66	35.11	0.040	0.97	0.80	2.20	-0.81	-0.17	-0.24	-0.54	0.084
Coef. of Var. %	62.55	80.03	44.12	45.58	50.60	63.56	66.61	36.55	45.66	50.42	51.92
Std. Error of the Mean	0.05	0.11	0.15	0.14	0.14	0.15	0.18	0.18	0.17	0.13	0.10
Lower 95% limit on Mean	2.25	1.31	3.14	2.73	2.39	1.71	1.45	2.86	2.08	1.13	1.00
Upper 95% limit on Mean	2.45	1.73	3.73	3.28	2.94	2.31	2.18	3.59	2.77	1.66	1.41
Geometric Statistics											
Mean	1.91	1.24	2.97	2.70	2.32	1.66	1.42	3.00	2.16	1.26	1.07
Log10 Mean	0.28	0.092	0.47	0.43	0.37	0.22	0.15	0.48	0.33	0.099	0.030
Log10 S.D.	0.30	0.28	0.30	0.20	0.24	0.28	0.31	0.17	0.23	0.20	0.21
Log10 Std. Error of Mean	0.01	0.024	0.029	0.021	0.025	0.033	0.047	0.027	0.035	0.036	0.034
Lower 95% limit on Mean	1.82	1.11	2.60	2.46	2.07	1.43	1.14	2.65	1.83	1.06	0.91
Upper 95% limit on Mean	2.00	1.38	3.40	2.97	2.60	1.93	1.78	3.40	2.53	1.49	1.26
Percentiles											
Min Value	0.02	0.30	0.020	0.98	0.50	0.50	0.50	0.90	0.70	0.70	0.45
25th %tile	1.13	0.71	2.33	2.00	1.52	1.00	0.70	2.60	1.60	0.88	0.80
50th %tile	2.17	1.30	3.40	2.80	2.60	1.60	1.49	3.00	2.38	1.10	1.00
75th %tile	3.11	2.10	4.10	4.00	3.37	2.60	2.60	3.60	3.05	1.60	1.63
80th %tile	3.40	2.20	4.60	4.10	3.50	3.00	2.98	4.00	3.11	2.20	1.70
90th %tile	4.21	2.59	5.37	4.60	4.50	3.50	3.50	5.00	3.50	2.80	2.26
95th %tile	5.10	3.20	6.30	5.54	5.30	4.20	4.06	5.50	4.72	2.80	2.64
98th %tile	6.00	3.56	7.00	6.50	6.18	5.10	4.70	6.00	5.00	2.90	2.80
99th %tile	7.00	3.60	7.17	8.10	7.50	7.20	4.70	6.00	5.00	2.90	2.80
Max Value	11.64	11.64	7.35	8.10	7.50	7.20	4.70	6.00	5.00	2.90	2.80

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Manganese [Mn]
Number of Values - 837
Units - ppm
Detection Limit - 5
Analytical Method - AAS

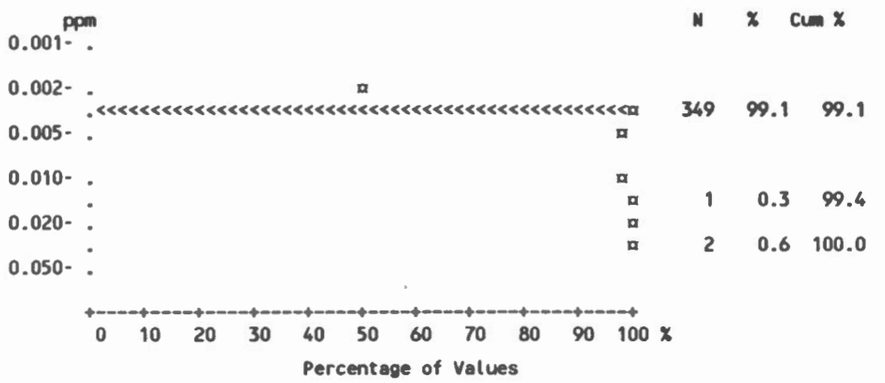


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	837	130	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	438.63	339.24	385.87	386.77	468.41	399.41	425.78	367.54	525.93	472.97	282.08	1044.89
Standard Deviation	507.57	179.33	310.57	216.59	266.52	307.56	590.89	246.09	398.29	366.47	158.07	1529.83
Skewness	10.21	1.59	5.76	1.97	1.51	2.94	5.28	3.53	3.72	1.89	1.38	3.92
Excess Kurtosis	143.50	3.69	40.74	5.42	1.95	11.08	29.05	15.33	16.58	3.09	2.23	15.76
Coef. of Var. %	115.72	52.86	80.49	56.00	56.90	77.00	138.78	66.96	75.73	77.48	56.04	146.41
Std. Error of the Mean	17.54	15.73	30.45	21.88	27.49	35.75	88.08	38.43	61.46	66.91	25.64	294.42
Lower 95% limit on Mean	404.19	308.12	325.46	343.34	413.81	328.15	248.22	289.86	401.80	336.14	230.10	439.57
Upper 95% limit on Mean	473.06	370.36	446.27	430.19	523.01	470.66	603.34	445.21	650.06	609.80	334.06	1650.21
Geometric Statistics												
Mean	355.49	299.69	338.57	341.27	410.31	329.22	326.79	324.17	453.39	382.25	245.35	697.67
Log10 Mean	2.55	2.48	2.53	2.53	2.61	2.52	2.51	2.51	2.66	2.58	2.39	2.84
Log10 S.D.	0.25	0.22	0.19	0.21	0.22	0.26	0.25	0.20	0.22	0.28	0.23	0.34
Log10 Std. Error of Mean	0.01	0.019	0.019	0.022	0.023	0.030	0.037	0.032	0.033	0.050	0.038	0.065
Lower 95% limit on Mean	341.90	274.71	310.53	309.11	370.18	286.30	274.66	279.90	388.15	301.69	205.51	511.75
Upper 95% limit on Mean	369.61	326.93	369.14	376.77	454.79	378.58	388.82	375.45	529.61	484.34	292.93	951.14
Percentiles												
Min Value	60.00	100.00	130.00	100.00	170.00	60.00	110.00	140.00	140.00	140.00	70.00	220.00
25th %tile	250.00	200.00	250.00	250.00	290.00	230.00	240.00	250.00	350.00	240.00	170.00	430.00
50th %tile	340.00	310.00	330.00	320.00	380.00	310.00	320.00	300.00	410.00	390.00	230.00	590.00
75th %tile	460.00	420.00	410.00	460.00	590.00	450.00	400.00	420.00	580.00	490.00	370.00	1150.00
80th %tile	500.00	460.00	450.00	500.00	630.00	490.00	420.00	460.00	610.00	610.00	410.00	1500.00
90th %tile	700.00	540.00	540.00	670.00	800.00	620.00	530.00	510.00	880.00	710.00	470.00	1800.00
95th %tile	1000.00	630.00	650.00	880.00	1190.00	1080.00	550.00	730.00	1050.00	1340.00	670.00	1800.00
98th %tile	1500.00	1020.00	1150.00	1000.00	1300.00	1450.00	4060.00	1650.00	2650.00	1700.00	830.00	8300.00
99th %tile	1800.00	1040.00	1570.00	1450.00	1350.00	2050.00	4060.00	1650.00	2650.00	1700.00	830.00	8300.00
Max Value	8370.00	1070.00	2900.00	1450.00	1350.00	2050.00	4060.00	1650.00	2650.00	1700.00	830.00	8300.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Manganese in Water [Mn-W]
Number of Values - 352
Units - ppm
Detection Limit - .01
Analytical Method - ICP

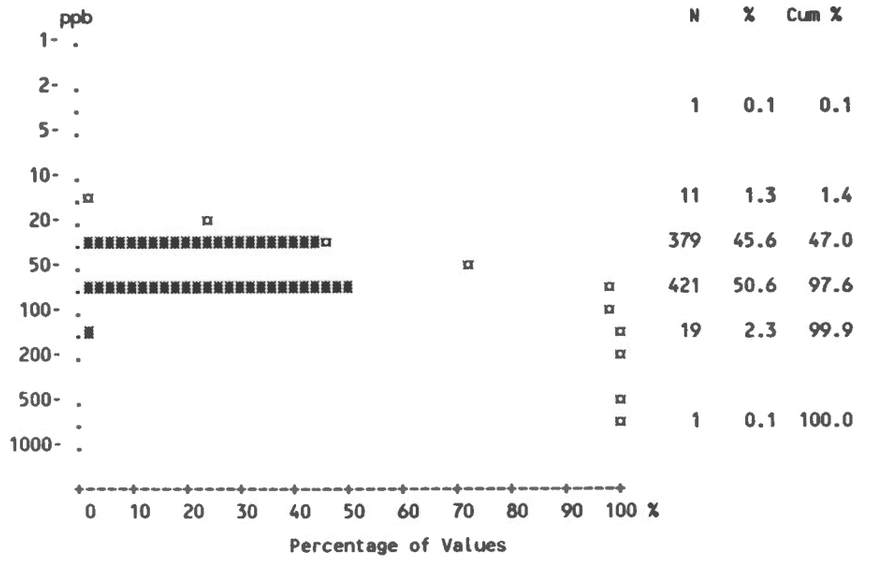


	All Units*	PT	Q	G	WVr	GC
Number of Values	352	54	51	56	39	26
Number of Values > D.L.	3	0	0	0	0	0
Number of Missing Values	487	76	53	42	35	16
Mean	0.01	-	-	-	-	-
Standard Deviation	0.00	-	-	-	-	-
Skewness	0.00	-	-	-	-	-
Excess Kurtosis	0.00	-	-	-	-	-
Coef. of Var. %	46.46	-	-	-	-	-
Std. Error of the Mean	0.00	-	-	-	-	-
Lower 95% limit on Mean	0.00	-	-	-	-	-
Upper 95% limit on Mean	0.01	-	-	-	-	-
Geometric Statistics						
Mean	0.01	-	-	-	-	-
Log10 Mean	-2.29	-	-	-	-	-
Log10 S.D.	0.07	-	-	-	-	-
Log10 Std. Error of Mean	0.00	-	-	-	-	-
Lower 95% limit on Mean	0.00	-	-	-	-	-
Upper 95% limit on Mean	0.01	-	-	-	-	-
Percentiles						
Min Value	0.00	-	-	-	-	-
25th %tile	0.00	-	-	-	-	-
50th %tile	0.00	-	-	-	-	-
75th %tile	0.00	-	-	-	-	-
80th %tile	0.00	-	-	-	-	-
90th %tile	0.00	-	-	-	-	-
95th %tile	0.00	-	-	-	-	-
98th %tile	0.00	-	-	-	-	-
99th %tile	0.00	-	-	-	-	-
Max Value	0.00	-	-	-	-	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Mercury [Hg]
Number of Values - 832
Units - ppb
Detection Limit - 10
Analytical Method - AAS

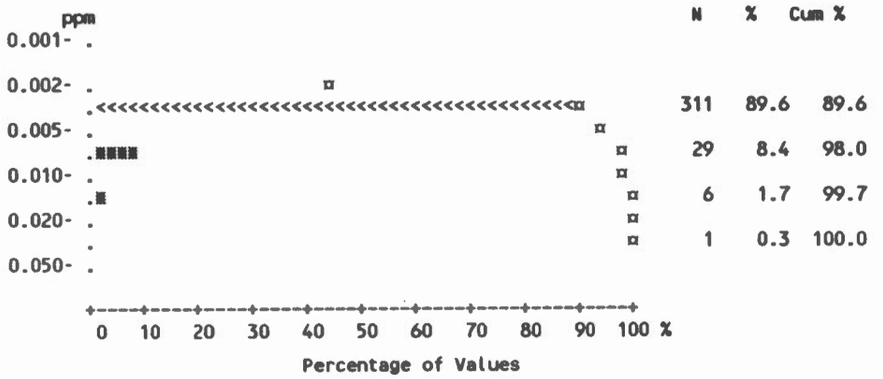


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	832	129	104	98	94	73	44	41	42	30	38	26
Number of Values > D.L.	831	129	104	98	94	73	44	41	42	30	38	26
Number of Missing Values	7	1	0	0	1	1	1	1	0	0	0	1
Mean	57.67	68.51	49.60	51.47	55.38	63.53	61.05	51.05	55.14	57.07	70.92	56.50
Standard Deviation	37.10	81.95	14.51	17.99	16.42	22.70	21.96	15.14	15.74	17.54	28.68	15.74
Skewness	17.42	9.98	0.64	1.00	0.36	0.54	1.70	1.06	0.55	-0.034	0.92	-0.18
Excess Kurtosis	417.84	105.57	-0.33	1.43	-0.12	0.99	5.26	1.03	-0.064	0.17	0.39	-1.12
Coef. of Var. %	64.34	119.62	29.27	34.95	29.65	35.74	35.97	29.66	28.55	30.74	40.45	27.86
Std. Error of the Mean	1.29	7.22	1.42	1.82	1.69	2.66	3.31	2.36	2.43	3.20	4.65	3.09
Lower 95% limit on Mean	55.14	54.23	46.77	47.86	52.02	58.24	54.37	46.27	50.24	50.52	61.49	50.14
Upper 95% limit on Mean	60.19	82.79	52.42	55.08	58.75	68.83	67.72	55.83	60.05	63.62	80.35	62.86
Geometric Statistics												
Mean	53.38	59.21	47.60	48.65	52.91	59.16	57.80	49.10	53.01	53.86	65.66	54.17
Log10 Mean	1.73	1.77	1.68	1.69	1.72	1.77	1.76	1.69	1.72	1.73	1.82	1.73
Log10 S.D.	0.16	0.19	0.12	0.15	0.14	0.18	0.14	0.12	0.12	0.16	0.18	0.13
Log10 Std. Error of Mean	0.01	0.017	0.012	0.015	0.014	0.021	0.022	0.019	0.019	0.030	0.028	0.026
Lower 95% limit on Mean	52.04	54.91	45.02	45.48	49.64	53.85	52.30	44.99	48.49	46.76	57.51	47.86
Upper 95% limit on Mean	54.76	63.84	50.33	52.03	56.39	65.01	63.88	53.59	57.94	62.03	74.97	61.31
Percentiles												
Min Value	5.00	18.00	26.00	25.00	20.00	14.00	30.00	35.00	30.00	14.00	20.00	30.00
25th %tile	40.00	50.00	35.00	35.00	40.00	50.00	50.00	40.00	45.00	47.00	50.00	50.00
50th %tile	55.00	60.00	50.00	50.00	55.00	60.00	55.00	50.00	50.00	55.00	60.00	55.00
75th %tile	70.00	70.00	60.00	60.00	66.00	75.00	70.00	60.00	70.00	70.00	85.00	70.00
80th %tile	70.00	80.00	60.00	70.00	70.00	80.00	80.00	62.00	70.00	70.00	90.00	70.00
90th %tile	80.00	90.00	70.00	75.00	80.00	90.00	80.00	69.00	70.00	80.00	125.00	80.00
95th %tile	90.00	110.00	79.00	80.00	80.00	105.00	90.00	70.00	80.00	90.00	130.00	80.00
98th %tile	110.00	110.00	80.00	90.00	90.00	120.00	155.00	100.00	100.00	90.00	150.00	80.00
99th %tile	125.00	150.00	80.00	125.00	105.00	140.00	155.00	100.00	100.00	90.00	150.00	80.00
Max Value	960.00	960.00	90.00	125.00	105.00	140.00	155.00	100.00	100.00	90.00	150.00	80.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Mercury in Water [Hg-W]
Number of Values - 347
Units - ppm
Detection Limit - .01
Analytical Method - ICP

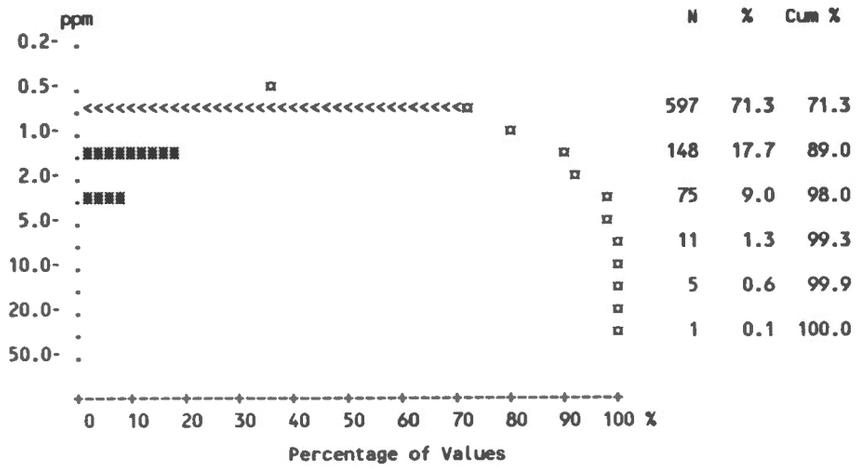


	All Units*	PT	Q	G	WWr	GC
Number of Values	347	54	51	56	39	26
Number of Values > D.L.	7	1	1	3	0	0
Number of Missing Values	492	76	53	42	35	16
Mean	0.01	0	0	0	-	-
Standard Deviation	0.00	0	0	0	-	-
Skewness	0.00	0	0	0	-	-
Excess Kurtosis	0.00	0	0	0	-	-
Coef. of Var. %	46.80	41.62	44.02	68.49	-	-
Std. Error of the Mean	0.00	0	0	0	-	-
Lower 95% limit on Mean	0.01	0	0	0	-	-
Upper 95% limit on Mean	0.01	0	0	0	-	-
Geometric Statistics						
Mean	0.01	0	0	0	-	-
Log10 Mean	-2.26	-2.27	-2.25	-2.23	-	-
Log10 S.D.	0.12	0.11	0.13	0.17	-	-
Log10 Std. Error of Mean	0.01	0.014	0.018	0.023	-	-
Lower 95% limit on Mean	0.01	0	0	0	-	-
Upper 95% limit on Mean	0.01	0	0	0	-	-
Percentiles						
Min Value	0.00	0	0	0	-	-
25th %tile	0.00	0	0	0	-	-
50th %tile	0.00	0	0	0	-	-
75th %tile	0.00	0	0	0	-	-
80th %tile	0.00	0	0	0	-	-
90th %tile	0.01	0	0	0	-	-
95th %tile	0.01	0	0	0.020	-	-
98th %tile	0.02	0	0	0.020	-	-
99th %tile	0.02	0.020	0.020	0.030	-	-
Max Value	0.03	0.020	0.020	0.030	-	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Molybdenum [Mo]
Number of Values - 837
Units - ppm
Detection Limit - 2
Analytical Method - AAS

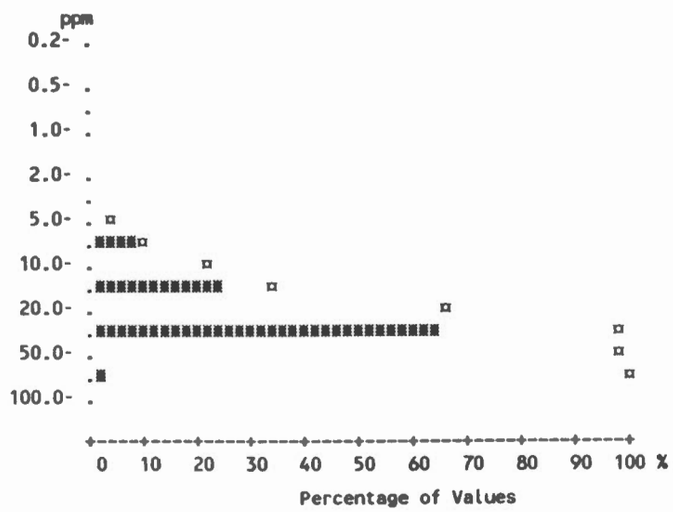


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	240	48	30	8	25	25	13	6	12	11	9	12
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	1.57	2.12	1.32	1.10	1.38	1.68	1.42	1.27	1.50	1.93	1.58	1.81
Standard Deviation	1.58	3.11	0.53	0.37	0.83	1.46	0.78	0.71	1.06	1.78	1.55	1.00
Skewness	7.42	4.83	1.35	3.74	3.21	4.01	1.92	2.48	2.72	3.08	3.48	0.58
Excess Kurtosis	79.77	26.81	0.84	14.02	12.41	20.68	3.07	5.10	7.60	11.15	12.49	-1.34
Coef. of Var. %	101.26	146.99	39.95	33.19	60.08	87.30	55.06	55.82	71.00	92.06	98.37	55.18
Std. Error of the Mean	0.05	0.27	0.052	0.037	0.086	0.17	0.12	0.11	0.16	0.32	0.25	0.19
Lower 95% limit on Mean	1.46	1.58	1.21	1.03	1.21	1.34	1.19	1.04	1.17	1.27	1.07	1.42
Upper 95% limit on Mean	1.67	2.65	1.42	1.18	1.55	2.01	1.66	1.49	1.83	2.60	2.09	2.21
Geometric Statistics												
Mean	1.31	1.49	1.24	1.07	1.25	1.40	1.28	1.16	1.30	1.54	1.29	1.57
Log10 Mean	0.12	0.17	0.092	0.028	0.096	0.14	0.11	0.064	0.12	0.19	0.11	0.20
Log10 S.D.	0.21	0.29	0.15	0.097	0.18	0.23	0.18	0.16	0.20	0.27	0.23	0.23
Log10 Std. Error of Mean	0.01	0.025	0.014	0	0.018	0.027	0.027	0.025	0.032	0.049	0.037	0.045
Lower 95% limit on Mean	1.27	1.33	1.16	1.02	1.15	1.23	1.13	1.03	1.13	1.22	1.08	1.27
Upper 95% limit on Mean	1.36	1.68	1.32	1.12	1.36	1.58	1.46	1.30	1.51	1.94	1.53	1.95
Percentiles												
Min Value	1.00	1.00	1.00	1.00	1.00	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	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	1.00	1.00	1.00	1.00	1.00
75th %tile	2.00	2.00	2.00	1.00	2.00	2.00	2.00	1.00	2.00	3.00	1.00	3.00
80th %tile	2.00	2.00	2.00	1.00	2.00	2.00	2.00	1.00	2.00	3.00	2.00	3.00
90th %tile	3.00	3.00	2.00	1.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00
95th %tile	3.00	6.00	2.00	2.00	3.00	4.00	3.00	3.00	3.00	3.00	6.00	3.00
98th %tile	6.00	16.00	3.00	3.00	5.00	6.00	4.00	4.00	6.00	10.00	9.00	4.00
99th %tile	9.00	16.00	3.00	3.00	6.00	11.00	4.00	4.00	6.00	10.00	9.00	4.00
Max Value	25.00	25.00	3.00	3.00	6.00	11.00	4.00	4.00	6.00	10.00	9.00	4.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Nickel [Ni]
Number of Values - 837
Units - ppm
Detection Limit - 2
Analytical Method - AAS



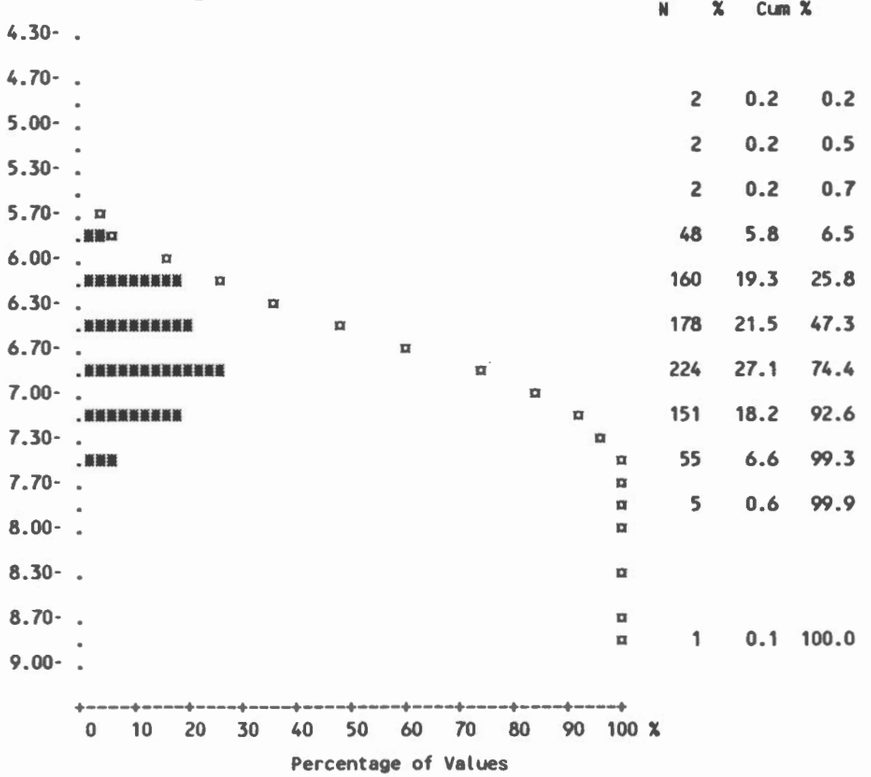
	N	%	Cum %
	1	0.1	0.1
	7	0.8	1.0
	70	8.4	9.3
	208	24.9	34.2
	535	63.9	98.1
	16	1.9	100.0

	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	836	130	104	98	94	74	45	41	42	29	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	27.70	20.95	34.44	35.30	34.00	20.54	21.18	38.88	30.76	15.87	21.66	26.89
Standard Deviation	12.90	10.85	8.51	10.71	11.19	10.14	9.53	7.57	11.09	10.04	12.14	16.09
Skewness	0.33	0.97	-0.91	0.089	-0.53	0.53	0.58	-0.77	-0.29	1.49	2.75	1.57
Excess Kurtosis	0.03	1.64	0.77	1.96	-0.78	-0.64	-0.82	0.69	-1.07	2.47	9.78	1.97
Coef. of Var. %	46.56	51.77	24.71	30.34	32.91	49.35	45.00	19.48	36.05	63.26	56.04	59.85
Std. Error of the Mean	0.45	0.95	0.83	1.08	1.15	1.18	1.42	1.18	1.71	1.83	1.97	3.10
Lower 95% limit on Mean	26.82	19.07	32.79	33.15	31.71	18.19	18.31	36.49	27.31	12.12	17.67	20.52
Upper 95% limit on Mean	28.57	22.84	36.10	37.44	36.29	22.89	24.04	41.27	34.22	19.61	25.65	33.26
Geometric Statistics												
Mean	24.24	18.28	33.02	33.36	31.66	17.97	19.17	38.01	28.36	13.03	19.53	23.40
Log10 Mean	1.38	1.26	1.52	1.52	1.50	1.25	1.28	1.58	1.45	1.11	1.29	1.37
Log10 S.D.	0.24	0.23	0.14	0.16	0.18	0.24	0.20	0.099	0.19	0.31	0.19	0.23
Log10 Std. Error of Mean	0.01	0.021	0.014	0.016	0.018	0.028	0.029	0.015	0.029	0.056	0.031	0.044
Lower 95% limit on Mean	23.34	16.64	31.02	31.00	29.10	15.84	16.72	35.37	24.73	10.00	16.93	19.04
Upper 95% limit on Mean	25.18	20.07	35.16	35.89	34.45	20.40	21.98	40.85	32.52	16.97	22.52	28.76
Percentiles												
Min Value	1.00	4.00	9.00	10.00	10.00	3.00	9.00	16.00	8.00	1.00	9.00	10.00
25th %tile	16.00	13.00	30.00	29.00	24.00	13.00	14.00	36.00	22.00	9.00	15.00	16.00
50th %tile	28.00	19.00	35.00	36.00	37.00	19.00	19.00	39.00	33.00	12.00	19.00	23.00
75th %tile	38.00	29.00	40.00	42.00	42.00	28.00	27.00	44.00	39.00	21.00	25.00	32.00
80th %tile	39.00	31.00	42.00	44.00	45.00	31.00	30.00	45.00	42.00	21.00	27.00	33.00
90th %tile	44.00	34.00	43.00	47.00	46.00	34.00	36.00	48.00	44.00	26.00	33.00	56.00
95th %tile	47.00	38.00	46.00	49.00	49.00	41.00	39.00	50.00	46.00	35.00	44.00	65.00
98th %tile	50.00	41.00	47.00	51.00	51.00	44.00	42.00	51.00	50.00	50.00	78.00	76.00
99th %tile	56.00	58.00	48.00	79.00	53.00	44.00	42.00	51.00	50.00	50.00	78.00	76.00
Max Value	85.00	67.00	48.00	79.00	53.00	44.00	42.00	51.00	50.00	50.00	78.00	76.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - pH [pH]
Number of Values - 828
Units -
Detection Limit -
Analytical Method - GCM

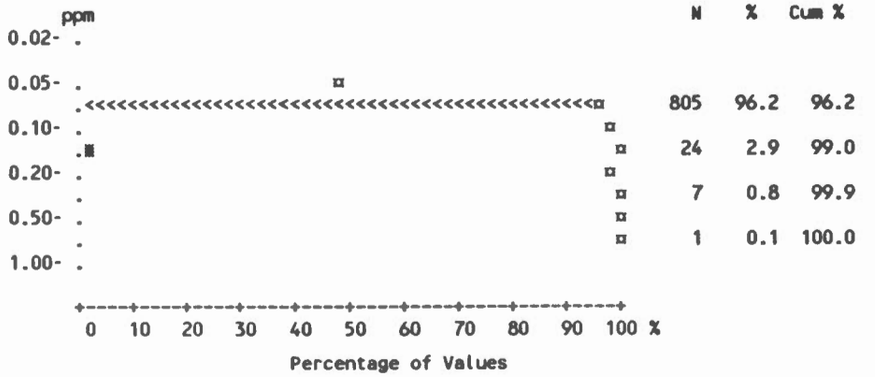


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	828	129	104	98	95	74	45	42	42	29	38	27
Number of Values > D.L.	828	129	104	98	95	74	45	42	42	29	38	27
Number of Missing Values	11	1	0	0	0	0	0	0	0	1	0	0
Mean	6.70	6.56	6.77	6.68	6.93	6.65	6.53	6.60	6.86	6.68	6.23	7.06
Standard Deviation	0.47	0.44	0.43	0.41	0.39	0.47	0.43	0.35	0.45	0.39	0.61	0.45
Skewness	-0.10	0	0.93	0.45	-0.65	0.51	0.21	0.21	-0.55	0.21	-0.071	-0.45
Excess Kurtosis	0.06	-0.81	2.35	-0.92	0.024	-0.85	-1.06	-1.10	-0.96	-1.32	-0.18	-0.80
Coef. of Var. %	6.95	6.73	6.33	6.17	5.61	7.06	6.63	5.25	6.52	5.78	9.83	6.42
Std. Error of the Mean	0.02	0.039	0.042	0.042	0.040	0.055	0.064	0.054	0.069	0.072	0.099	0.087
Lower 95% limit on Mean	6.67	6.48	6.69	6.60	6.85	6.54	6.40	6.50	6.72	6.53	6.03	6.88
Upper 95% limit on Mean	6.73	6.64	6.86	6.77	7.01	6.76	6.66	6.71	7.00	6.82	6.43	7.24
Geometric Statistics												
Mean	6.69	6.55	6.76	6.67	6.92	6.63	6.51	6.60	6.84	6.67	6.20	7.04
Log10 Mean	0.83	0.82	0.83	0.82	0.84	0.82	0.81	0.82	0.84	0.82	0.79	0.85
Log10 S.D.	0.03	0.029	0.027	0.026	0.025	0.030	0.029	0.023	0.029	0.025	0.043	0.028
Log10 Std. Error of Mean	0.00	0	0	0	0	0	0	0	0	0	0	0
Lower 95% limit on Mean	6.65	6.47	6.68	6.59	6.84	6.53	6.39	6.49	6.70	6.52	6.00	6.86
Upper 95% limit on Mean	6.72	6.62	6.84	6.75	7.00	6.74	6.65	6.70	6.99	6.81	6.41	7.23
Percentiles												
Min Value	4.80	5.30	5.80	6.00	5.70	5.90	5.80	5.90	5.90	6.20	4.80	6.10
25th %tile	6.30	6.20	6.40	6.40	6.70	6.30	6.20	6.40	6.40	6.30	5.90	6.70
50th %tile	6.70	6.60	6.70	6.60	7.00	6.50	6.50	6.50	7.00	6.70	6.10	7.20
75th %tile	7.10	6.90	7.10	7.00	7.20	7.00	6.90	7.00	7.20	6.90	6.70	7.40
80th %tile	7.10	7.00	7.10	7.10	7.30	7.20	6.90	7.00	7.20	7.10	6.90	7.40
90th %tile	7.30	7.20	7.30	7.30	7.40	7.30	7.20	7.00	7.40	7.20	7.10	7.50
95th %tile	7.40	7.30	7.40	7.40	7.40	7.50	7.20	7.10	7.40	7.30	7.30	7.80
98th %tile	7.50	7.40	7.60	7.60	7.50	7.50	7.40	7.30	7.50	7.40	7.40	7.80
99th %tile	7.60	7.40	7.60	7.60	7.80	7.90	7.40	7.30	7.50	7.40	7.40	7.80
Max Value	8.70	7.40	8.70	7.60	7.80	7.90	7.40	7.30	7.50	7.40	7.40	7.80

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Silver [Ag]
Number of Values - 837
Units - ppm
Detection Limit - .2
Analytical Method - AAS

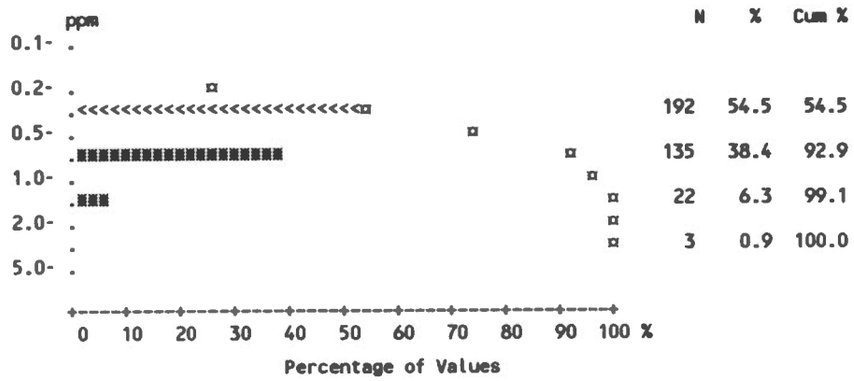


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	8	1	1	0	0	1	1	1	0	1	1	0
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	0.10	0.10	0.10	-	-	0.11	0.10	0.11	-	0.11	0.11	-
Standard Deviation	0.03	0.018	0.020	-	-	0.070	0.030	0.047	-	0.037	0.032	-
Skewness	14.57	11.14	9.91	-	-	8.26	6.27	5.94	-	4.94	5.69	-
Excess Kurtosis	254.18	123.05	97.06	-	-	67.08	38.13	34.14	-	23.20	31.16	-
Coef. of Var. %	27.92	17.28	19.24	-	-	64.52	28.55	43.66	-	34.23	30.82	-
Std. Error of the Mean	0.00	0	0	-	-	0	0	0	-	0	0	-
Lower 95% limit on Mean	0.10	0.098	0.098	-	-	0.092	0.095	0.093	-	0.093	0.095	-
Upper 95% limit on Mean	0.10	0.10	0.11	-	-	0.12	0.11	0.12	-	0.12	0.12	-
Geometric Statistics												
Mean	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
Log10 Mean	-0.99	-1.00	-1.00	-	-	-0.99	-0.99	-0.99	-	-0.98	-0.99	-
Log10 S.D.	0.05	0.042	0.047	-	-	0.098	0.071	0.094	-	0.087	0.077	-
Log10 Std. Error of Mean	0.00	0	0	-	-	0.011	0.011	0.015	-	0.016	0.013	-
Lower 95% limit on Mean	0.10	0.099	0.099	-	-	0.097	0.098	0.097	-	0.096	0.097	-
Upper 95% limit on Mean	0.10	0.10	0.10	-	-	0.11	0.11	0.11	-	0.11	0.11	-
Percentiles												
Min Value	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
25th %tile	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
50th %tile	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
75th %tile	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
80th %tile	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
90th %tile	0.10	0.10	0.10	-	-	0.10	0.10	0.10	-	0.10	0.10	-
95th %tile	0.10	0.10	0.10	-	-	0.20	0.10	0.10	-	0.20	0.10	-
98th %tile	0.20	0.20	0.20	-	-	0.20	0.30	0.40	-	0.30	0.30	-
99th %tile	0.20	0.20	0.20	-	-	0.70	0.30	0.40	-	0.30	0.30	-
Max Value	0.70	0.30	0.30	-	-	0.70	0.30	0.40	-	0.30	0.30	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Sodium in Water [Na-W]
Number of Values - 352
Units - ppm
Detection Limit - 1
Analytical Method - ICP

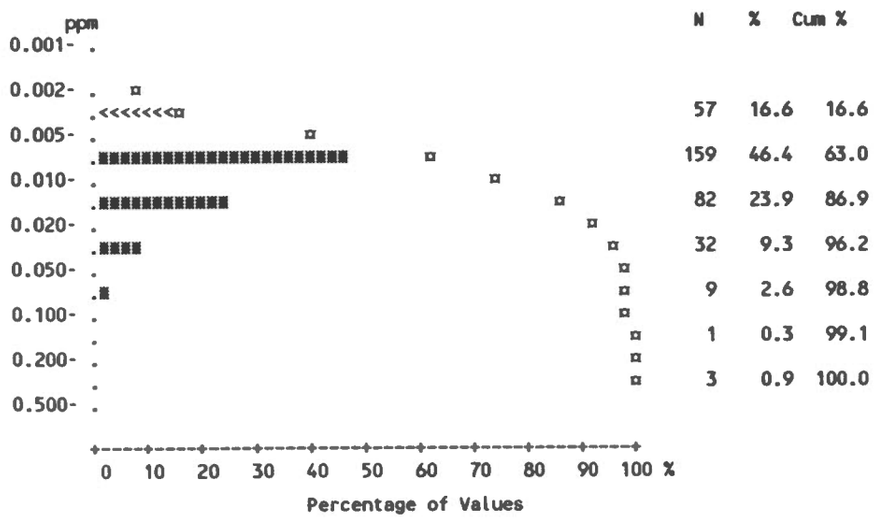


	All Units*	PT	Q	G	WVr	GC
Number of Values	352	54	51	56	39	26
Number of Values > D.L.	160	10	38	30	21	18
Number of Missing Values	487	76	53	42	35	16
Mean	0.81	0.59	1.05	0.84	0.90	1.00
Standard Deviation	0.46	0.20	0.53	0.41	0.63	0.49
Skewness	2.51	1.58	1.47	1.43	3.22	0.98
Excess Kurtosis	9.43	0.49	2.25	2.02	12.62	0
Coef. of Var. %	56.80	33.08	50.67	48.34	70.22	48.99
Std. Error of the Mean	0.02	0.027	0.074	0.054	0.10	0.096
Lower 95% limit on Mean	0.76	0.54	0.90	0.73	0.69	0.80
Upper 95% limit on Mean	0.86	0.65	1.20	0.95	1.10	1.20
Geometric Statistics						
Mean	0.72	0.57	0.94	0.76	0.78	0.90
Log10 Mean	-0.14	-0.25	-0.026	-0.12	-0.11	-0.046
Log10 S.D.	0.19	0.12	0.20	0.19	0.21	0.20
Log10 Std. Error of Mean	0.01	0.016	0.028	0.025	0.034	0.040
Lower 95% limit on Mean	0.69	0.53	0.83	0.68	0.67	0.74
Upper 95% limit on Mean	0.76	0.61	1.07	0.86	0.91	1.09
Percentiles						
Min Value	0.00	0	0	0	0	0
25th %tile	0.00	0	0	0	0	0
50th %tile	0.00	0	1.00	1.00	1.00	1.00
75th %tile	1.00	0	1.00	1.00	1.00	1.00
80th %tile	1.00	0	1.00	1.00	1.00	1.00
90th %tile	1.00	1.00	2.00	1.00	1.00	2.00
95th %tile	2.00	1.00	2.00	2.00	2.00	2.00
98th %tile	2.00	1.00	2.00	2.00	4.00	2.00
99th %tile	2.00	1.00	3.00	2.00	4.00	2.00
Max Value	4.00	1.00	3.00	2.00	4.00	2.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Strontium in Water [Sr-W]
Number of Values - 343
Units - ppm
Detection Limit - .01
Analytical Method - ICP

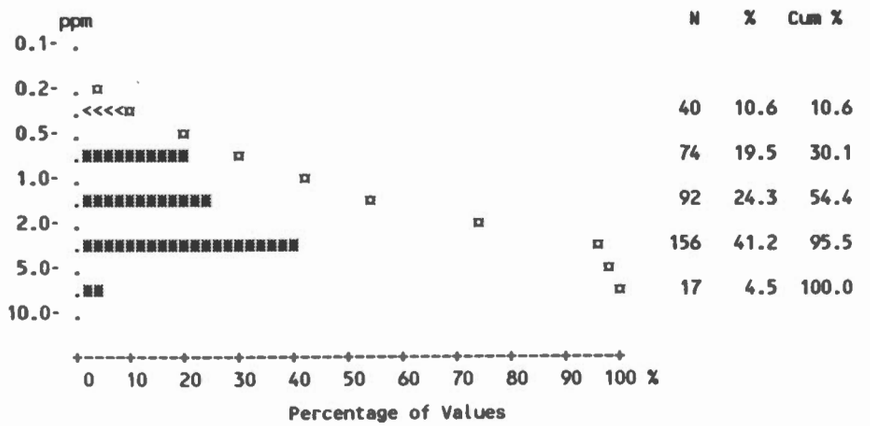


	All Units*	PT	Q	G	WVr	GC
Number of Values	343	54	51	55	39	26
Number of Values > D.L.	127	3	34	26	13	12
Number of Missing Values	496	76	53	43	35	16
Mean	0.02	0	0.029	0.016	0.022	0.016
Standard Deviation	0.03	0	0.035	0	0.051	0
Skewness	9.82	0	3.75	0	5.51	0
Excess Kurtosis	112.97	0	16.57	0	30.04	0
Coef. of Var. %	189.83	39.56	120.28	55.36	234.56	57.75
Std. Error of the Mean	0.00	0	0	0	0	0
Lower 95% limit on Mean	0.01	0	0.019	0.014	0	0.013
Upper 95% limit on Mean	0.02	0	0.038	0.018	0.039	0.020
Geometric Statistics						
Mean	0.01	0	0.020	0.014	0.013	0.014
Log10 Mean	-1.89	-2.08	-1.69	-1.86	-1.89	-1.86
Log10 S.D.	0.30	0.17	0.34	0.24	0.33	0.26
Log10 Std. Error of Mean	0.02	0.023	0.047	0.032	0.052	0.050
Lower 95% limit on Mean	0.01	0	0.016	0.012	0.010	0.011
Upper 95% limit on Mean	0.01	0	0.025	0.016	0.016	0.018
Percentiles						
Min Value	0.00	0	0	0	0	0
25th %tile	0.01	0	0	0	0	0
50th %tile	0.01	0	0.020	0	0	0
75th %tile	0.02	0	0.030	0.020	0.020	0.020
80th %tile	0.02	0	0.030	0.020	0.020	0.020
90th %tile	0.03	0	0.070	0.030	0.020	0.030
95th %tile	0.04	0.020	0.070	0.030	0.050	0.030
98th %tile	0.07	0.020	0.12	0.030	0.33	0.040
99th %tile	0.12	0.020	0.22	0.050	0.33	0.040
Max Value	0.48	0.020	0.22	0.050	0.33	0.040

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Tin [Sn]
Number of Values - 379
Units - ppm
Detection Limit - 1
Analytical Method - AAS

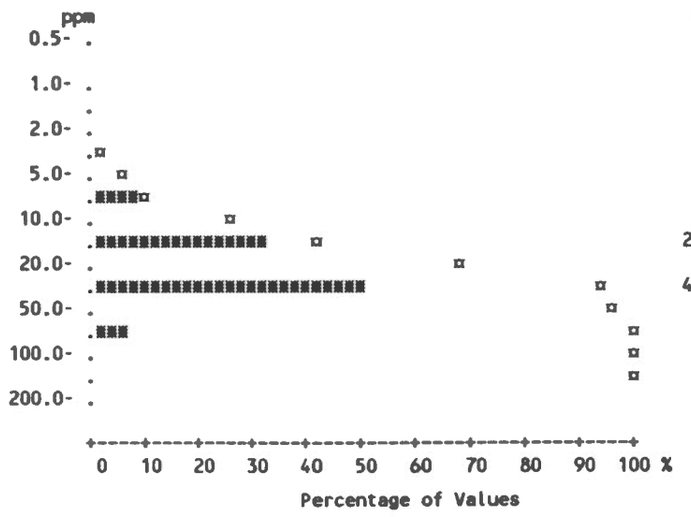


	All Units*	PT	Q	G	WVr	GC
Number of Values	379	61	51	56	43	25
Number of Values > D.L.	339	52	48	50	41	25
Number of Missing Values	460	69	53	42	31	17
Mean	2.50	2.12	3.01	2.48	2.63	3.44
Standard Deviation	1.54	1.36	1.49	1.42	1.44	1.08
Skewness	0.87	1.37	0.28	0.52	1.33	0.053
Excess Kurtosis	0.82	3.69	-0.21	-0.34	2.87	0.032
Coef. of Var. %	61.57	63.87	49.45	57.10	54.94	31.49
Std. Error of the Mean	0.08	0.17	0.21	0.19	0.22	0.22
Lower 95% limit on Mean	2.34	1.78	2.59	2.10	2.18	2.99
Upper 95% limit on Mean	2.65	2.47	3.43	2.86	3.07	3.89
Geometric Statistics						
Mean	2.00	1.71	2.56	2.03	2.26	3.25
Log10 Mean	0.30	0.23	0.41	0.31	0.35	0.51
Log10 S.D.	0.31	0.30	0.28	0.30	0.26	0.16
Log10 Std. Error of Mean	0.02	0.039	0.039	0.040	0.039	0.032
Lower 95% limit on Mean	1.87	1.43	2.14	1.69	1.88	2.79
Upper 95% limit on Mean	2.15	2.05	3.07	2.45	2.71	3.78
Percentiles						
Min Value	0.00	0	0	0	0	1.00
25th %tile	1.00	1.00	2.00	1.00	2.00	3.00
50th %tile	2.00	2.00	3.00	2.00	2.00	3.00
75th %tile	3.00	3.00	4.00	3.00	3.00	4.00
80th %tile	4.00	3.00	4.00	4.00	3.00	4.00
90th %tile	4.00	4.00	5.00	4.00	4.00	5.00
95th %tile	5.00	4.00	6.00	5.00	5.00	5.00
98th %tile	6.00	4.00	6.00	6.00	8.00	6.00
99th %tile	8.00	8.00	7.00	6.00	8.00	6.00
Max Value	8.00	8.00	7.00	6.00	8.00	6.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Total Alkalinity in Water [T-Alk]
Number of Values - 814
Units - ppm
Detection Limit - 2
Analytical Method - TIT



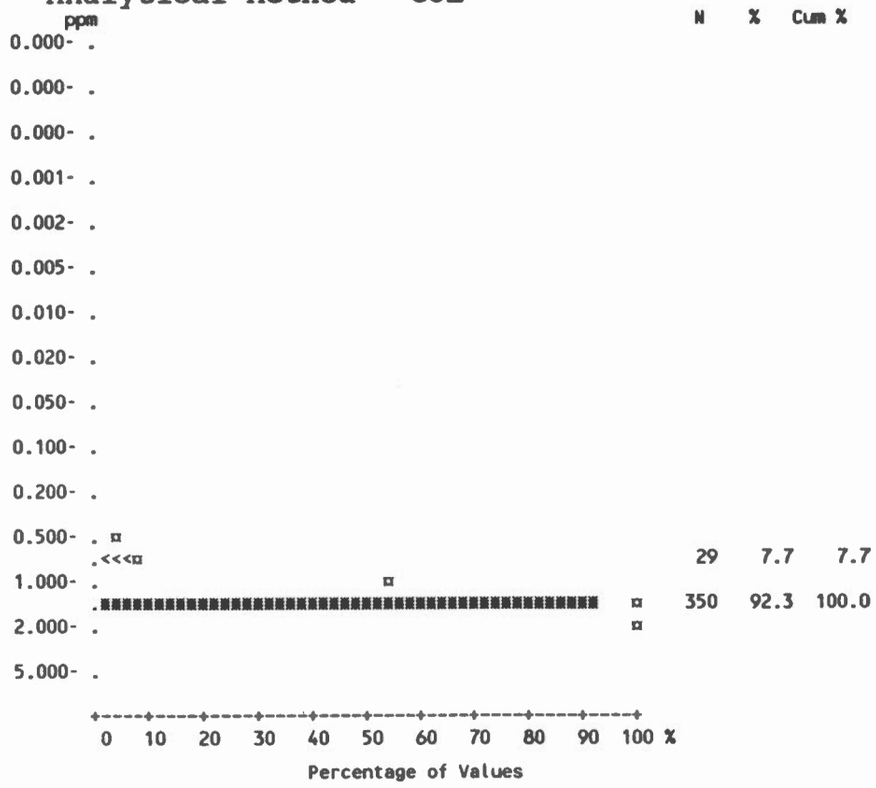
	N	%	Cum %
	2	0.2	0.2
	11	1.4	1.6
	73	9.0	10.6
	258	31.7	42.3
	418	51.4	93.6
	50	6.1	99.8
	2	0.2	100.0

	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	814	127	104	98	95	73	44	42	42	25	38	27
Number of Values > D.L.	814	127	104	98	95	73	44	42	42	25	38	27
Number of Missing Values	25	3	0	0	0	1	1	0	0	5	0	0
Mean	25.80	16.80	33.18	34.17	28.88	27.08	19.41	32.95	26.12	22.16	12.08	21.58
Standard Deviation	14.91	8.40	12.89	18.14	15.06	18.04	11.13	13.07	13.91	7.63	7.51	7.74
Skewness	1.66	1.39	0.26	1.60	1.22	3.51	0.66	0.28	0.92	0.66	1.06	0.77
Excess Kurtosis	6.45	4.10	0	4.09	2.69	18.19	-0.27	-0.33	0.089	-0.65	0.53	-0.17
Coef. of Var. %	57.78	50.03	38.86	53.09	52.17	66.63	57.36	39.66	53.26	34.43	62.14	35.86
Std. Error of the Mean	0.52	0.75	1.26	1.83	1.55	2.11	1.68	2.02	2.15	1.53	1.22	1.49
Lower 95% limit on Mean	24.77	15.32	30.67	30.53	25.81	22.87	16.02	28.88	21.78	19.01	9.61	18.52
Upper 95% limit on Mean	26.82	18.27	35.69	37.80	31.94	31.29	22.79	37.02	30.45	25.31	14.55	24.64
Geometric Statistics												
Mean	21.91	14.89	30.29	30.24	25.15	23.48	16.37	30.12	22.84	20.99	9.96	20.35
Log10 Mean	1.34	1.17	1.48	1.48	1.40	1.37	1.21	1.48	1.36	1.32	1.00	1.31
Log10 S.D.	0.26	0.22	0.20	0.21	0.24	0.22	0.26	0.20	0.23	0.14	0.29	0.15
Log10 Std. Error of Mean	0.01	0.019	0.020	0.022	0.025	0.026	0.040	0.031	0.035	0.029	0.046	0.029
Lower 95% limit on Mean	21.03	13.63	27.67	27.39	22.46	20.84	13.62	26.13	19.36	18.29	8.02	17.74
Upper 95% limit on Mean	22.83	16.27	33.15	33.38	28.15	26.47	19.67	34.71	26.93	24.09	12.38	23.34
Percentiles												
Min Value	2.00	3.00	6.00	10.00	4.00	8.00	6.00	10.00	7.00	14.00	2.00	11.00
25th %tile	14.00	11.00	24.00	22.00	17.00	16.00	10.00	25.00	14.00	16.00	7.00	14.00
50th %tile	24.00	15.00	34.00	29.00	27.00	22.00	17.00	32.00	24.00	21.00	9.00	20.00
75th %tile	33.00	21.00	41.00	46.00	35.00	33.00	27.00	38.00	31.00	26.00	15.00	26.00
80th %tile	36.00	24.00	43.00	51.00	37.00	38.00	28.00	42.00	35.00	29.00	18.00	28.00
90th %tile	45.00	27.00	48.00	57.00	46.00	44.00	32.00	52.00	49.00	34.00	23.00	32.00
95th %tile	52.00	31.00	57.00	65.00	57.00	50.00	37.00	56.00	53.00	35.00	28.00	38.00
98th %tile	62.00	35.00	62.00	83.00	72.00	74.00	52.00	64.00	65.00	40.00	34.00	41.00
99th %tile	70.00	37.00	64.00	121.00	93.00	139.00	52.00	64.00	65.00	40.00	34.00	41.00
Max Value	139.00	60.00	70.00	121.00	93.00	139.00	52.00	64.00	65.00	40.00	34.00	41.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Tungsten [W]
Number of Values - 379
Units - ppm
Detection Limit - 2
Analytical Method - COL

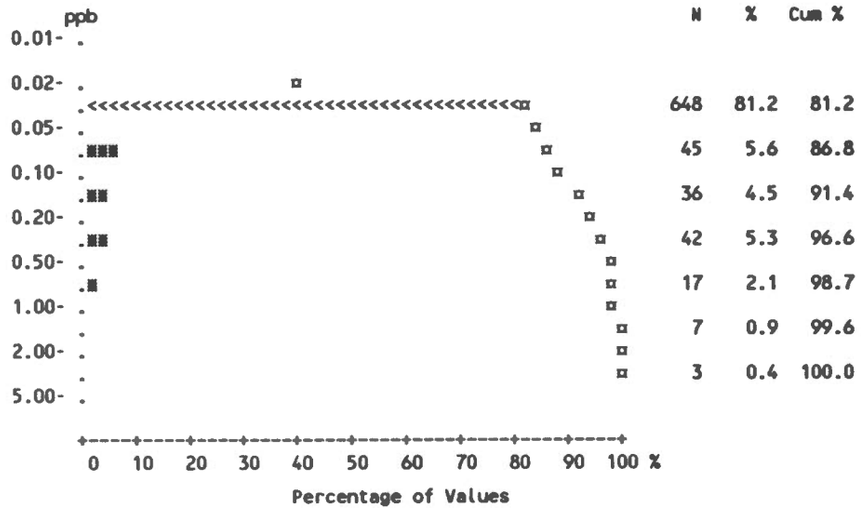


	All Units*	PT	Q	G	WVr	GC
Number of Values	379	61	51	56	43	25
Number of Values > D.L.	350	55	51	56	40	25
Number of Missing Values	460	69	53	42	31	17
Mean	1.92	1.90	2.00	2.00	1.93	2.00
Standard Deviation	0.27	0.30	0	0	0.26	0
Skewness	-3.17	-2.63	0	0	-3.26	0
Excess Kurtosis	8.09	5.01	0	0	8.84	0
Coef. of Var. %	13.84	15.79	0	0	13.35	0
Std. Error of the Mean	0.01	0.038	0	0	0.039	0
Lower 95% limit on Mean	1.90	1.82	2.00	2.00	1.85	2.00
Upper 95% limit on Mean	1.95	1.98	2.00	2.00	2.01	2.00
Geometric Statistics						
Mean	1.90	1.87	2.00	2.00	1.91	2.00
Log10 Mean	0.28	0.27	0.30	0.30	0.28	0.30
Log10 S.D.	0.08	0.090	0	0	0.078	0
Log10 Std. Error of Mean	0.00	0.012	0	0	0.012	0
Lower 95% limit on Mean	1.86	1.77	2.00	2.00	1.80	2.00
Upper 95% limit on Mean	1.93	1.97	2.00	2.00	2.01	2.00
Percentiles						
Min Value	1.00	1.00	2.00	2.00	1.00	2.00
25th %tile	2.00	2.00	2.00	2.00	2.00	2.00
50th %tile	2.00	2.00	2.00	2.00	2.00	2.00
75th %tile	2.00	2.00	2.00	2.00	2.00	2.00
80th %tile	2.00	2.00	2.00	2.00	2.00	2.00
90th %tile	2.00	2.00	2.00	2.00	2.00	2.00
95th %tile	2.00	2.00	2.00	2.00	2.00	2.00
98th %tile	2.00	2.00	2.00	2.00	2.00	2.00
99th %tile	2.00	2.00	2.00	2.00	2.00	2.00
Max Value	2.00	2.00	2.00	2.00	2.00	2.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Uranium in Water [U-W]
Number of Values - 798
Units - ppb
Detection Limit - 0.05
Analytical Method - LIF

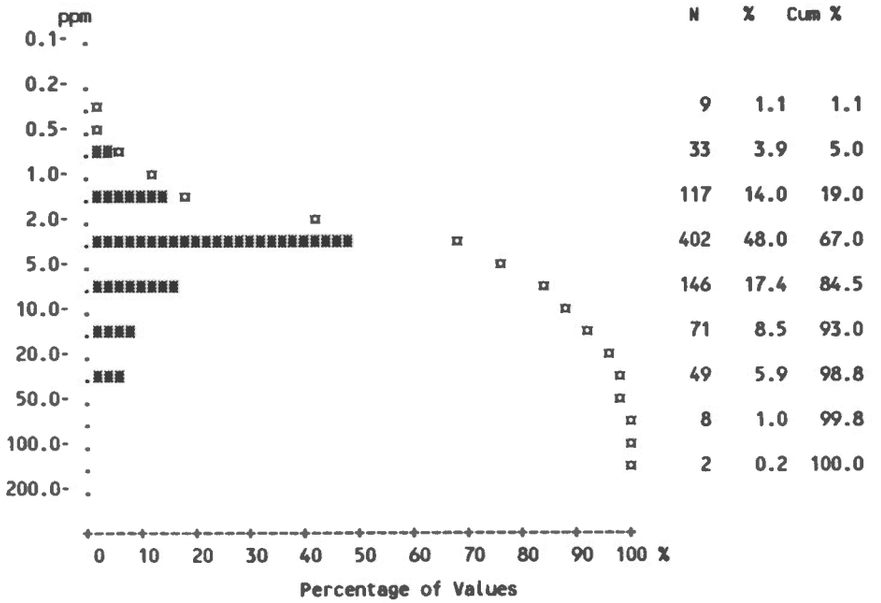


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	B
Number of Values	798	123	104	98	95	70	42	42	42	38
Number of Values > D.L.	143	1	40	52	17	2	4	18	4	0
Number of Missing Values	41	7	0	0	0	4	3	0	0	0
Mean	0.09	0.025	0.15	0.24	0.060	0.030	0.041	0.12	0.065	-
Standard Deviation	0.24	0	0.36	0.38	0.11	0.028	0.079	0.21	0.23	-
Skewness	7.52	0	6.41	3.15	3.71	5.82	5.66	3.58	5.95	-
Excess Kurtosis	71.89	0	49.49	12.22	15.04	33.36	32.04	14.48	34.53	-
Coef. of Var. %	281.48	16.00	240.10	162.01	174.62	94.75	190.42	176.58	349.04	-
Std. Error of the Mean	0.01	0	0.035	0.039	0.011	0	0.012	0.032	0.035	-
Lower 95% limit on Mean	0.07	0.025	0.079	0.16	0.039	0.023	0.017	0.053	-0	-
Upper 95% limit on Mean	0.10	0.026	0.22	0.31	0.082	0.036	0.066	0.18	0.14	-
Geometric Statistics										
Mean	0.04	0.025	0.057	0.091	0.035	0.026	0.029	0.056	0.030	-
Log10 Mean	-1.43	-1.60	-1.24	-1.04	-1.45	-1.58	-1.53	-1.25	-1.52	-
Log10 S.D.	0.40	0.040	0.51	0.60	0.35	0.15	0.24	0.47	0.31	-
Log10 Std. Error of Mean	0.01	0	0.050	0.060	0.036	0.018	0.038	0.073	0.048	-
Lower 95% limit on Mean	0.03	0.025	0.046	0.069	0.030	0.024	0.025	0.040	0.024	-
Upper 95% limit on Mean	0.04	0.026	0.072	0.12	0.041	0.029	0.035	0.079	0.038	-
Percentiles										
Min Value	0.02	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	-
25th %tile	0.02	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	-
50th %tile	0.02	0.020	0.020	0.070	0.020	0.020	0.020	0.020	0.020	-
75th %tile	0.02	0.020	0.14	0.31	0.020	0.020	0.020	0.12	0.020	-
80th %tile	0.02	0.020	0.20	0.36	0.020	0.020	0.020	0.13	0.020	-
90th %tile	0.18	0.020	0.36	0.65	0.13	0.020	0.020	0.34	0.050	-
95th %tile	0.36	0.020	0.49	0.95	0.32	0.020	0.090	0.44	0.080	-
98th %tile	0.71	0.020	0.76	1.90	0.44	0.16	0.53	1.20	1.50	-
99th %tile	1.20	0.020	1.20	2.40	0.69	0.22	0.53	1.20	1.50	-
Max Value	3.20	0.070	3.20	2.40	0.69	0.22	0.53	1.20	1.50	-

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Uranium [U]
Number of Values - 837
Units - ppm
Detection Limit - .5
Analytical Method - NADNC

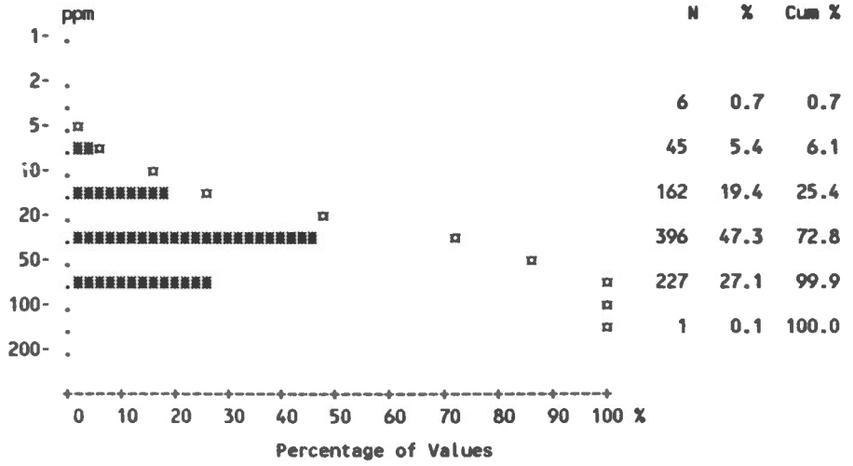


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	831	129	104	98	94	73	44	41	41	30	36	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	6.99	2.67	11.32	18.28	6.52	2.64	4.28	11.36	4.59	2.29	2.37	4.27
Standard Deviation	10.47	1.42	15.67	16.39	5.12	1.47	4.92	7.60	2.97	0.89	1.45	1.83
Skewness	4.78	0.60	4.28	1.33	2.59	1.50	4.31	1.02	1.95	0.53	0.65	1.58
Excess Kurtosis	33.96	-0	25.29	1.19	9.65	4.27	21.45	0.25	4.81	-0.34	-0.38	3.08
Coef. of Var. %	149.70	53.01	138.41	89.66	78.54	55.71	114.85	66.92	64.66	38.77	61.22	42.90
Std. Error of the Mean	0.36	0.12	1.54	1.66	0.53	0.17	0.73	1.19	0.46	0.16	0.24	0.35
Lower 95% limit on Mean	6.28	2.43	8.27	14.99	5.47	2.30	2.80	8.96	3.67	1.96	1.89	3.55
Upper 95% limit on Mean	7.70	2.92	14.37	21.57	7.57	2.99	5.76	13.76	5.52	2.62	2.85	5.00
Geometric Statistics												
Mean	4.14	2.27	6.98	12.14	5.26	2.25	3.12	9.06	3.77	2.12	1.90	3.96
Log10 Mean	0.62	0.36	0.84	1.08	0.72	0.35	0.49	0.96	0.58	0.33	0.28	0.60
Log10 S.D.	0.41	0.26	0.39	0.41	0.28	0.27	0.34	0.31	0.31	0.18	0.32	0.17
Log10 Std. Error of Mean	0.01	0.023	0.038	0.042	0.028	0.031	0.051	0.048	0.047	0.032	0.053	0.033
Lower 95% limit on Mean	3.88	2.05	5.85	10.04	4.62	1.95	2.47	7.24	3.02	1.82	1.48	3.40
Upper 95% limit on Mean	4.41	2.53	8.32	14.69	5.99	2.60	3.94	11.34	4.69	2.47	2.42	4.62
Percentiles												
Min Value	0.20	0.20	1.10	2.10	1.20	0.20	0.20	1.50	0.20	0.90	0.20	1.80
25th %tile	2.30	1.40	3.80	5.00	3.50	1.60	1.90	5.90	2.90	1.60	1.20	3.30
50th %tile	3.80	2.60	5.40	12.50	5.00	2.50	3.50	9.00	4.20	2.20	2.00	3.90
75th %tile	6.30	3.60	12.20	25.60	7.20	3.40	4.50	15.50	5.20	2.50	3.40	4.80
80th %tile	8.10	3.80	18.20	31.30	8.60	3.70	4.60	16.40	5.70	2.80	3.50	4.90
90th %tile	16.10	4.50	27.60	43.40	13.20	4.10	7.90	22.50	6.40	3.70	4.60	6.10
95th %tile	26.70	5.30	34.40	53.70	16.90	4.70	8.90	24.20	8.70	4.20	4.70	8.20
98th %tile	39.70	5.90	44.10	59.40	19.30	7.60	32.50	32.90	15.40	4.20	6.30	10.50
99th %tile	53.10	6.20	63.00	77.80	35.50	9.00	32.50	32.90	15.40	4.20	6.30	10.50
Max Value	125.00	7.50	125.00	77.80	35.50	9.00	32.50	32.90	15.40	4.20	6.30	10.50

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Vanadium [V]
Number of Values - 837
Units - ppm
Detection Limit - 5
Analytical Method - AAS

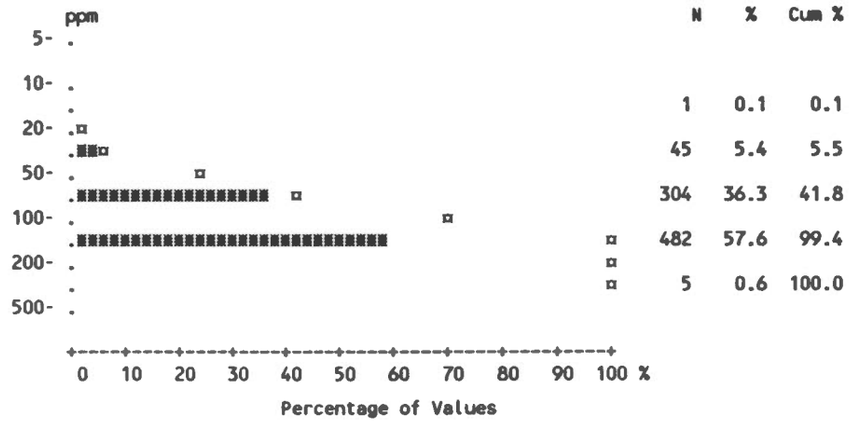


	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	837	130	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	37.91	29.47	44.82	47.93	46.07	29.62	29.44	50.68	43.74	23.40	25.87	39.04
Standard Deviation	17.88	14.93	14.39	15.04	16.35	15.39	14.82	11.90	17.73	13.79	16.13	15.64
Skewness	0.03	0.36	-0.52	-0.67	-0.44	0.20	0.46	-1.13	-0.65	0.92	1.00	-0.18
Excess Kurtosis	-0.72	-0.95	-0.29	-0.34	-0.89	-1.29	-0.89	1.52	-0.86	-0.083	0.20	-1.24
Coef. of Var. %	47.16	50.65	32.10	31.39	35.48	51.94	50.32	23.49	40.55	58.94	62.35	40.07
Std. Error of the Mean	0.62	1.31	1.41	1.52	1.69	1.79	2.21	1.86	2.74	2.52	2.62	3.01
Lower 95% limit on Mean	36.70	26.88	42.02	44.91	42.73	26.06	24.99	46.93	38.21	18.25	20.56	32.85
Upper 95% limit on Mean	39.13	32.06	47.62	50.94	49.42	33.19	33.90	54.44	49.26	28.55	31.17	45.23
Geometric Statistics												
Mean	32.68	25.34	41.77	44.78	42.42	25.12	25.61	48.74	38.39	19.97	21.62	35.45
Log10 Mean	1.51	1.40	1.62	1.65	1.63	1.40	1.41	1.69	1.58	1.30	1.33	1.55
Log10 S.D.	0.26	0.26	0.18	0.18	0.19	0.27	0.24	0.14	0.26	0.25	0.26	0.21
Log10 Std. Error of Mean	0.01	0.022	0.018	0.018	0.020	0.031	0.036	0.021	0.040	0.045	0.043	0.040
Lower 95% limit on Mean	31.38	22.88	38.53	41.26	38.75	21.75	21.64	44.10	31.88	16.14	17.70	29.38
Upper 95% limit on Mean	34.03	28.06	45.29	48.60	46.44	29.00	30.31	53.86	46.23	24.69	26.40	42.77
Percentiles												
Min Value	5.00	5.00	10.00	13.00	15.00	5.00	6.00	15.00	5.00	10.00	7.00	15.00
25th %tile	20.00	17.00	35.00	38.00	35.00	16.00	20.00	45.00	30.00	11.00	14.00	20.00
50th %tile	40.00	26.00	47.00	50.00	50.00	25.00	28.00	51.00	50.00	20.00	19.00	45.00
75th %tile	53.00	42.00	55.00	60.00	58.00	45.00	40.00	60.00	56.00	32.00	35.00	50.00
80th %tile	55.00	45.00	57.00	60.00	60.00	47.00	45.00	60.00	60.00	33.00	45.00	50.00
90th %tile	60.00	51.00	60.00	65.00	65.00	50.00	50.00	65.00	60.00	42.00	50.00	55.00
95th %tile	65.00	55.00	65.00	69.00	70.00	54.00	57.00	65.00	60.00	52.00	55.00	55.00
98th %tile	70.00	58.00	66.00	70.00	70.00	58.00	60.00	70.00	75.00	60.00	74.00	70.00
99th %tile	70.00	60.00	75.00	75.00	80.00	60.00	60.00	70.00	75.00	60.00	74.00	70.00
Max Value	120.00	65.00	75.00	75.00	80.00	60.00	60.00	70.00	75.00	60.00	74.00	70.00

* Summary statistics not listed for rock units with less than 25 values.

Statistics per Variable

Variable - Zinc [Zn]
Number of Values - 837
Units - ppm
Detection Limit - 2
Analytical Method - AAS



	All Units*	PT	Q	G	T	WVr	PG	GC	GA	WVpb	B	SS
Number of Values	837	130	104	98	94	74	45	41	42	30	38	27
Number of Values > D.L.	837	130	104	98	94	74	45	41	42	30	38	27
Number of Missing Values	2	0	0	0	1	0	0	1	0	0	0	0
Mean	106.69	93.07	117.55	127.48	116.64	94.57	95.44	131.56	107.43	81.57	96.26	96.67
Standard Deviation	33.61	26.92	27.01	26.68	36.41	32.78	25.19	18.43	30.61	25.97	34.91	37.10
Skewness	0.08	-0.015	-0.14	-0.79	-0.065	0.14	0.23	-0.12	-0.29	-0.043	0.72	0.37
Excess Kurtosis	0.04	-0.26	1.68	0.70	-0.24	0.064	-0.66	0.28	-0.21	0.098	1.17	-0.85
Coef. of Var. %	31.51	28.93	22.98	20.93	31.22	34.66	26.40	14.01	28.49	31.84	36.26	38.38
Std. Error of the Mean	1.16	2.36	2.65	2.69	3.76	3.81	3.76	2.88	4.72	4.74	5.66	7.14
Lower 95% limit on Mean	104.41	88.40	112.29	122.13	109.18	86.97	87.87	125.74	97.89	71.87	84.78	81.99
Upper 95% limit on Mean	108.97	97.74	122.80	132.83	124.10	102.16	103.02	137.38	116.97	91.26	107.74	111.34
Geometric Statistics												
Mean	100.71	88.72	113.98	124.11	110.18	88.09	92.12	130.25	102.29	76.49	90.13	89.68
Log10 Mean	2.00	1.95	2.06	2.09	2.04	1.94	1.96	2.11	2.01	1.88	1.95	1.95
Log10 S.D.	0.16	0.14	0.11	0.11	0.16	0.18	0.12	0.063	0.15	0.18	0.16	0.18
Log10 Std. Error of Mean	0.01	0.012	0.011	0.011	0.016	0.020	0.018	0	0.023	0.032	0.026	0.034
Lower 95% limit on Mean	98.29	83.83	108.28	118.11	102.39	80.19	84.85	124.40	92.02	65.75	79.64	76.47
Upper 95% limit on Mean	103.19	93.89	119.99	130.42	118.56	96.77	100.01	136.37	113.70	88.99	102.00	105.19
Percentiles												
Min Value	16.00	25.00	41.00	46.00	40.00	21.00	54.00	85.00	33.00	16.00	43.00	42.00
25th %tile	81.00	75.00	102.00	115.00	92.00	72.00	78.00	121.00	88.00	69.00	70.00	62.00
50th %tile	109.00	95.00	120.00	134.00	120.00	97.00	95.00	134.00	110.00	78.00	99.00	96.00
75th %tile	131.00	115.00	133.00	145.00	144.00	116.00	110.00	140.00	125.00	97.00	117.00	115.00
80th %tile	136.00	119.00	135.00	148.00	147.00	119.00	113.00	146.00	128.00	99.00	118.00	120.00
90th %tile	147.00	125.00	147.00	153.00	155.00	135.00	133.00	148.00	149.00	115.00	125.00	162.00
95th %tile	156.00	134.00	151.00	160.00	170.00	144.00	137.00	156.00	150.00	131.00	168.00	163.00
98th %tile	171.00	139.00	156.00	170.00	185.00	157.00	150.00	179.00	174.00	137.00	209.00	173.00
99th %tile	196.00	152.00	199.00	199.00	224.00	196.00	150.00	179.00	174.00	137.00	209.00	173.00
Max Value	240.00	175.00	210.00	199.00	224.00	196.00	150.00	179.00	174.00	137.00	209.00	173.00

* Summary statistics not listed for rock units with less than 25 values.

GEOLOGICAL SURVEY OF CANADA OPEN FILE 1959

ADDENDUM

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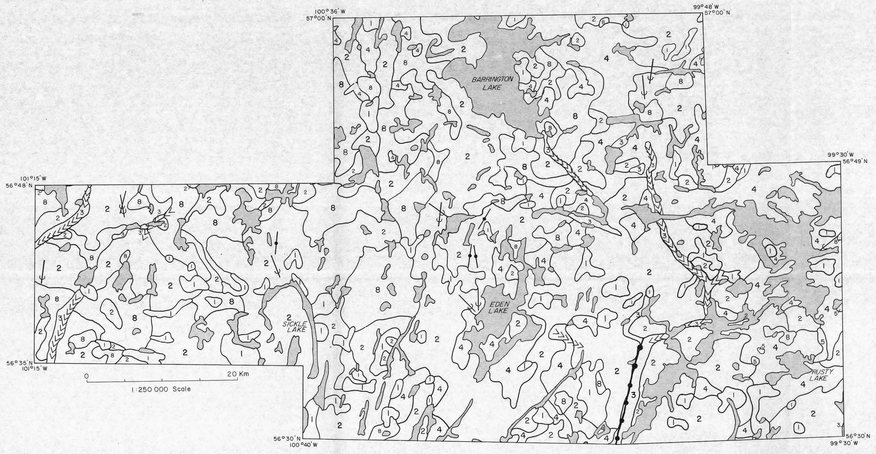
GOLD IN LAKE SEDIMENTS

GSC OPEN FILE 1959

NORTHWEST MANITOBA, 1989

Part of NTS 64B, 64C



SURFICIAL GEOLOGY LEGEND

8	ORG*	Organic deposits; marsh, fen, bog, and swamp characterized by seasonal flooding, 1 - 5 m thick
7	ALLV	Alluvial sediments; sand, gravel, and silt
6	MARN	Marine sediments; stratified clayey to stony silt
5	GLLN	Glaciolacustrine nearshore sediments; silt, sand and clay, commonly well-sorted, up to 3 m thick
4	GLLO	Glaciolacustrine offshore sediments; silt, clay and sand, well-sorted, 1 to 30 m thick
3	GLF	Glaciofluvial sediments; gravel, sand and silt, waterworted, stratified, includes ice-contact stratified drift, 1 - 100 m thick
2	TILL	Glacial till; primarily bedrock derived, veneer to blanket, silty to sandy, 1 - 5 m thick, may be covered by localized boulder lag
1	ROCK	Bedrock; predominantly exposed bedrock, commonly with a thin cover of till or organic material

Note: Units 6 and 7 may occur in the survey area but are not indicated because of limited areal extent

* A three or four character mnemonic code entered as part of the field data

SYMBOLS

Surficial unit contact .....

Interlobate moraine .....

Esker .....

Striation direction, known or inferred .....

Flute, drumlinoid form .....

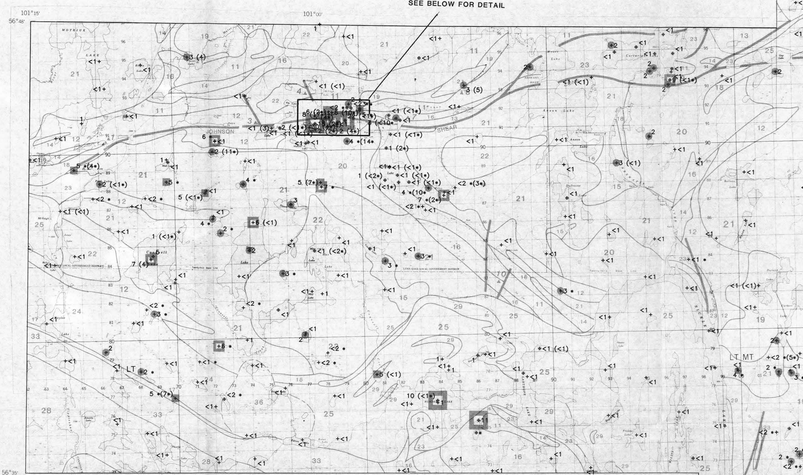
SOURCES OF INFORMATION

Kaszycki, C.A., and Way Nee, V.J., 1986, Surficial Geology of Granville Lake - Manitoba, NTS 64C, Geological Survey of Canada, Open File 1258, 1:100,000

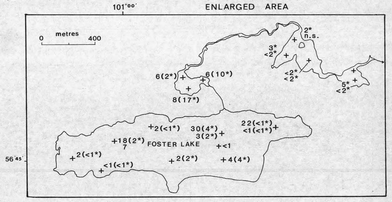
Kaszycki, C.A., and Way Nee, V.J., 1989, Surficial Geology of Uhlman Lake - Manitoba, NTS 64B, Geological Survey of Canada, Open File in preparation, 1:100,000

Kaszycki, C.A., and DiLabio, R.N.W., 1986, Surficial geology and till geochemistry, Lynn Lake - Leaf Rapids region, Manitoba, in Current Research, Part B, Geological Survey of Canada, Paper 86-1B, p 245-256

SEE BELOW FOR DETAIL

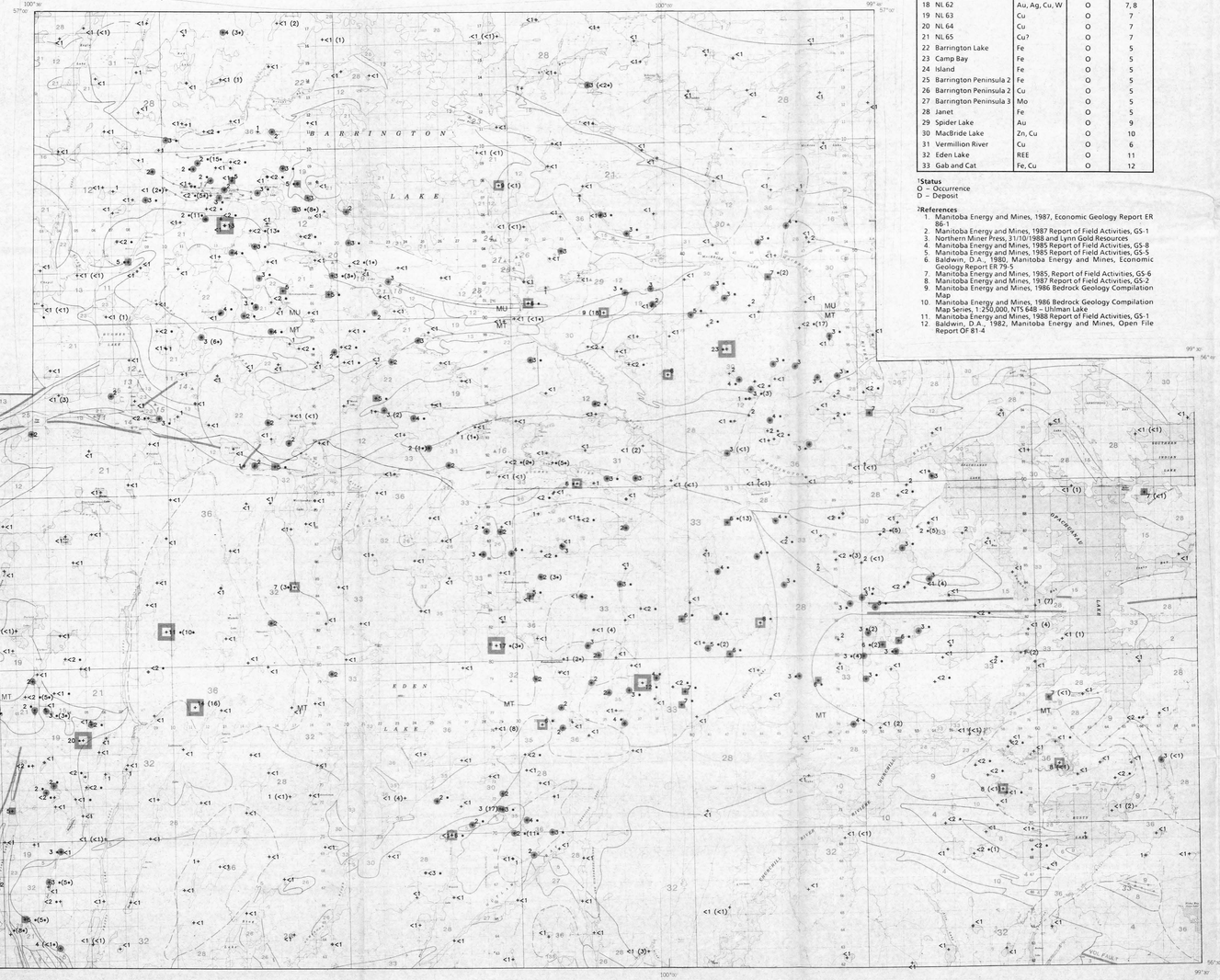


ENLARGED AREA



Au value (ppb) ..... +17
* denotes an analysis performed on a sample weight <10 g.
( ) identifies Au values corresponding to repeat analyses.
<n denotes a result less than detection level n (ppb), consult text for actual sample weight when Au values denoted by * or < detection level

Examples:
+21* Au value of 21 ppb determined on sample weight <10 g.
+30(27*) Au value of 30 ppb on first analysis, Au value of 27 ppb on repeat analysis for sample weighing <10 g.
+<4 Au value less than detection limit of 4 ppb.



MINERAL DEPOSITS AND OCCURRENCES

	Location Name	Commodity	Status[1]	Reference[2]
1	Gemmell 1	Au	O	1
2	Gemmell 2	Au	O	2
3	Ace Vein	Au	O	1
4	Austin Vein	Au	O	1
5	Johnson Shear	Au	O	1
6	T1A	Au	D	1
7	CL Group	Au	O	1
8	Burnt Timber	Au, Ag	D	3
9	Cartwright Lake	Au, Ag	D	1, 4
10	Lasthope	Au	D	1
11	Gold Lake	Au, Pb	O	5
12	Hughes Lake 1	Fe	O	6
13	Hughes Lake 2	Fe	O	5
14	Hughes River 1	Cu, Fe	O	5
15	Hughes River 2	Cu	O	5
16	Adam Lake	Fe	O	5
17	Farley Lake	Au, Ag	D	1
18	NL 62	Au, Ag, Cu, W	O	7, 8
19	NL 63	Cu	O	7
20	NL 64	Cu	O	7
21	NL 65	Cu?	O	7
22	Barrington Lake	Fe	O	5
23	Camp Bay	Fe	O	5
24	Island	Fe	O	5
25	Barrington Peninsula 2	Fe	O	5
26	Barrington Peninsula 2	Cu	O	5
27	Barrington Peninsula 3	Mo	O	5
28	Janet	Fe	O	5
29	Spider Lake	Au	O	9
30	MacBride Lake	Zn, Cu	O	10
31	Vermillion River	Cu	O	6
32	Eden Lake	REE	O	11
33	Gab and Cat	Fe, Cu	O	12

[1]Status
O – Occurrence
D – Deposit

[2]References
1. Manitoba Energy and Mines, 1987, Economic Geology Report ER 86-1
2. Manitoba Energy and Mines, 1987 Report of Field Activities, GS-1
3. Northern Miner Press, 31/10/1988 and Lynn Gold Resources
4. Manitoba Energy and Mines, 1985 Report of Field Activities, GS-8
5. Manitoba Energy and Mines, 1985 Report of Field Activities, GS-5
6. Baldwin, D.A., 1980, Manitoba Energy and Mines, Economic Geology Report ER 79-5
7. Manitoba Energy and Mines, 1985, Report of Field Activities, GS-6
8. Manitoba Energy and Mines, 1987 Report of Field Activities, GS-2
9. Manitoba Energy and Mines, 1986 Bedrock Geology Compilation Map
10. Manitoba Energy and Mines, 1986 Bedrock Geology Compilation Map Series, 1:250,000, NTS 64B – Uhlman Lake
11. Manitoba Energy and Mines, 1988 Report of Field Activities, GS-1
12. Baldwin, D.A., 1982, Manitoba Energy and Mines, Open File Report OF 81-4

LEGEND

QUATERNARY

36 Q – Unconsolidated glacial sediments

PRECAMBRIAN

35 X – Pegmatite
34 EZ – Aegerine-augite monzonite
33 G – Granite, megacrystic to seriate porphyritic
32 GA – Granodiorite, seriate-porphyritic to hornblendic
31 GB – Granite, undivided
30 GC – Granodiorite, granite
29 BTD – Diorite, quartz diorite – Black Trout diorite
28 T – Tonalite, granodiorite, gneissic tonalite
27 ZM – Monzodiorite
26 D – Diorite, quartzdiorite, amphibolite

LYNN LAKE DOMAIN

SICKLE GROUP

25 SS – Sandstone, quartzofeldspathic gneiss
24 SSh – Calcareous sandstone, hornblende-quartzofeldspathic gneiss
23 SC – Polymictic conglomerate

PLUTONIC ROCKS

22 PG – Granite, granodiorite
21 PT – Tonalite, granodiorite – Pool Lake intrusive suite
20 PD – Diorite, quartz diorite
19 B – Gabbro, diorite

WASEKWAN GROUP

18 C – Conglomerate
17 W – Feldspathic greywacke, conglomerate
16 WW – Volcanic sandstone, siltstone and mafic mudstone, iron formation (dotted line)
15 WA – Wasekwan Group undivided
14 WV – Rhyolite, dacite, pyroclastics
13 WVa – Andesite, porphyritic and aphyric basalt, tuff
12 WVr – Basalt, porphyritic and aphyric, iron formation (dotted line), mafic tuff
11 WVpb – Basalt, pillow basalt, porphyritic and aphyric basalt, mafic tuff

LEAF RAPIDS DOMAIN

PLUTONIC ROCKS

10 LBD – Gabbro

UNNAMED METASEDIMENTARY AND METAVOLCANIC ROCKS

9 LRW – Greywacke, calc-silicate rock, iron formation (dotted line)
8 LRC – Polymictic conglomerate and interbedded sandstone
7 K – Chemical sedimentary rock
6 V – Aphyric pillowed basalt
5 LRA – Amphibolite, includes gabbro, sedimentary and volcanic rocks

RUTTAN GROUP

4 RVf – Mafic volcaniclastic rock, minor quartz diorite
3 RVr – Basalt, aphyric and porphyritic

SOUTHERN INDIAN DOMAIN

2 N – Quartzofeldspathic gneiss ± hornblende, may include meta-sandstone
1 SIW – Quartz-biotite gneiss, amphibolite, migmatite

SYMBOLS

Geological boundary .....

Area of little or no outcrop .....

Fault, shear zone .....

Mineral deposit or occurrence .....

Lake sediment and water sample location .....

Field duplicate sample site .....

Geology base derived from:

Cameron, H.D.M., 1988; Geology of the Eden Lake Area, Manitoba Energy and Mines, Geological Report GR 84 – 2, 1:50,000.

Manitoba Energy and Mines, 1986; Bedrock Geology Compilation Map Series, 1:250,000, NTS 64B Uhlman Lake

_____, Bedrock Geology Compilation Map Series, 1:250,000, NTS 64C Granville Lake.

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PROJECT COORDINATORS

H.R. Schmitt, P.W.B. Friske

CONTRACTORS

Collection: 64B – Marshall Macklin Monoghan, Toronto (1984)
– H.R. Schmitt, GSC (1987)
64C – Wollex Exploration, Calgary (1983)
– H.R. Schmitt, GSC (1985, 1986, 1987)

Preparation: Golder Associates, Ottawa (1984 – 1988)

Sediment Analysis: 64B – Barringer Magenta Ltd., Rexdale (1984 – 1985)
– Bondar-Clegg and Company Ltd., Ottawa (1987)
– Chemex Labs Ltd., Vancouver (Au only) (1985, 1987, 1988)
64C – Acme Analytical Laboratories Ltd., Toronto (1983)
– Barringer Magenta Ltd., Rexdale (Sb only) (1985)
– Chemex Labs Ltd., Vancouver (Au only) (1985, 1987, 1988)

Water Analysis: 64B – Barringer Magenta (Alberta) Ltd., Calgary (pH, U, F) (1984)
– Ward TSL, Winnipeg (1985)
– Chemex Labs Ltd., Vancouver (1987)
64C – Chemex Labs Ltd., Vancouver (1983, 1987)
– Ward TSL, Winnipeg (Cond, HCO_3, Ca, Mg, Fe – 1984)

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1989

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GOLD IN LAKE SEDIMENTS

GSC OPEN FILE 1959

CANADA – MANITOBA
MINERAL DEVELOPMENT AGREEMENT (1985 – 1989)

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY

NORTHWESTERN MANITOBA, 1987 - 1988

CONCENTRATION	FREQUENCY
10 to 30	N=12(1.51%)
6 to 9	N= 21(2.64%)
5	N= 31(3.89%)
2 to 4	N= 161(20.23%)
0 to 1	N=571(71.73%)

Scale 1:50 000 - Échelle 1/50 000

Kilometres 0 1 2 3 4 Kilomètres

Universal Transverse Mercator Projection
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Projection transverse universelle de Mercator
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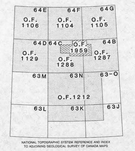
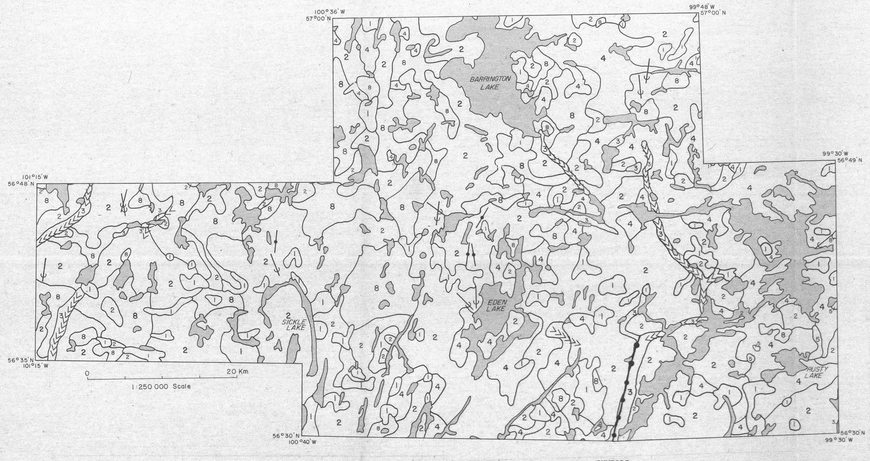
Elevation in feet above mean sea level

Mean magnetic declination 1989, 11°23' East, decreasing 22.7' annually





SURFICIAL GEOLOGY LEGEND

8	ORG*	Organic deposits; marsh, fen, bog, and swamp characterized by seasonal flooding, 1 - 5 m thick
7	ALLV	Alluvial sediments; sand, gravel, and silt
6	MARN	Marine sediments; stratified clayey to stony silt
5	GLLN	Glaciolacustrine nearshore sediments; silt, sand and clay, commonly well-sorted, up to 3 m thick
4	GLLO	Glaciolacustrine offshore sediments; silt, clay and sand, well-sorted, 1 to 30 m thick
3	GLF	Glaciofluvial sediments; gravel, sand and silt, water-sorted, stratified, includes ice-contact stratified drift, 1 - 100 m thick
2	TILL	Glacial till; primarily bedrock derived, veneer to blanket, silty to sandy, 1 - 5 m thick, may be covered by localized boulder lag
1	ROCK	Bedrock; predominantly exposed bedrock, commonly with a thin cover of till or organic material

Note: Units 6 and 7 may occur in the survey area but are not indicated because of limited areal extent

* A three or four character mnemonic code entered as part of the field data

SYMBOLS

Surficial unit contact .....

Interlobate moraine .....

Esker .....

Striation direction, known or inferred .....

Flute, drumlinoid form .....

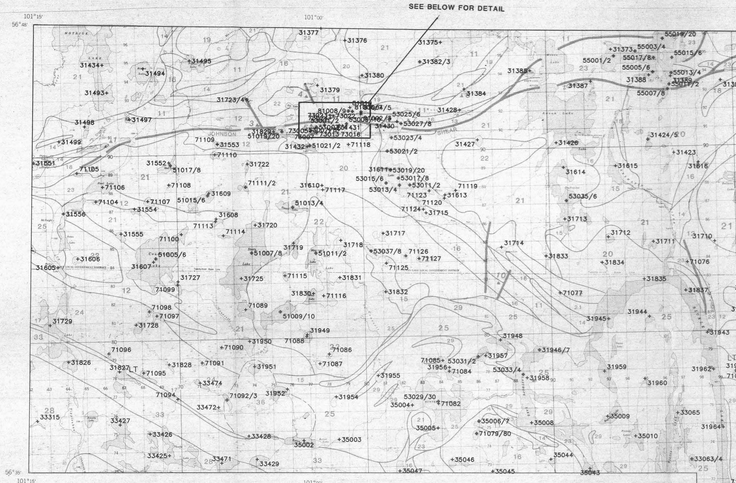
SOURCES OF INFORMATION

Kaszycki, C.A., and Way Nee, V.J., 1986, Surficial Geology of Granville Lake - Manitoba, NTS 64C, Geological Survey of Canada, Open File 1258, 1:100,000

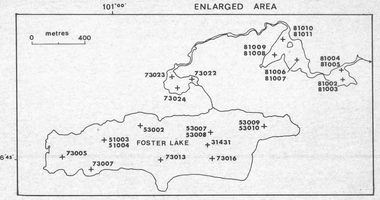
Kaszycki, C.A., and Way Nee, V.J., 1989, Surficial Geology of Uhlman Lake - Manitoba, NTS 64B, Geological Survey of Canada, Open File in preparation, 1:100,000

Kaszycki, C.A., and DiLabio, R.N.W., 1986, Surficial geology and till geochemistry, Lynn Lake - Leaf Rapids region, Manitoba, in Current Research, Part B, Geological Survey of Canada, Paper 86-1B, p 245-256

SEE BELOW FOR DETAIL



ENLARGED AREA



Contribution to Canada-Manitoba Mineral Development Agreement 1984-89, a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

Contribution à l'Entente auxiliaire Canada/Manitoba sur l'exploitation minérale 1984-89 faisant partie de l'Entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada.

Manitoba Energy and Mines

Energy, Mines and Resources Canada / Énergie, Mines et Ressources Canada

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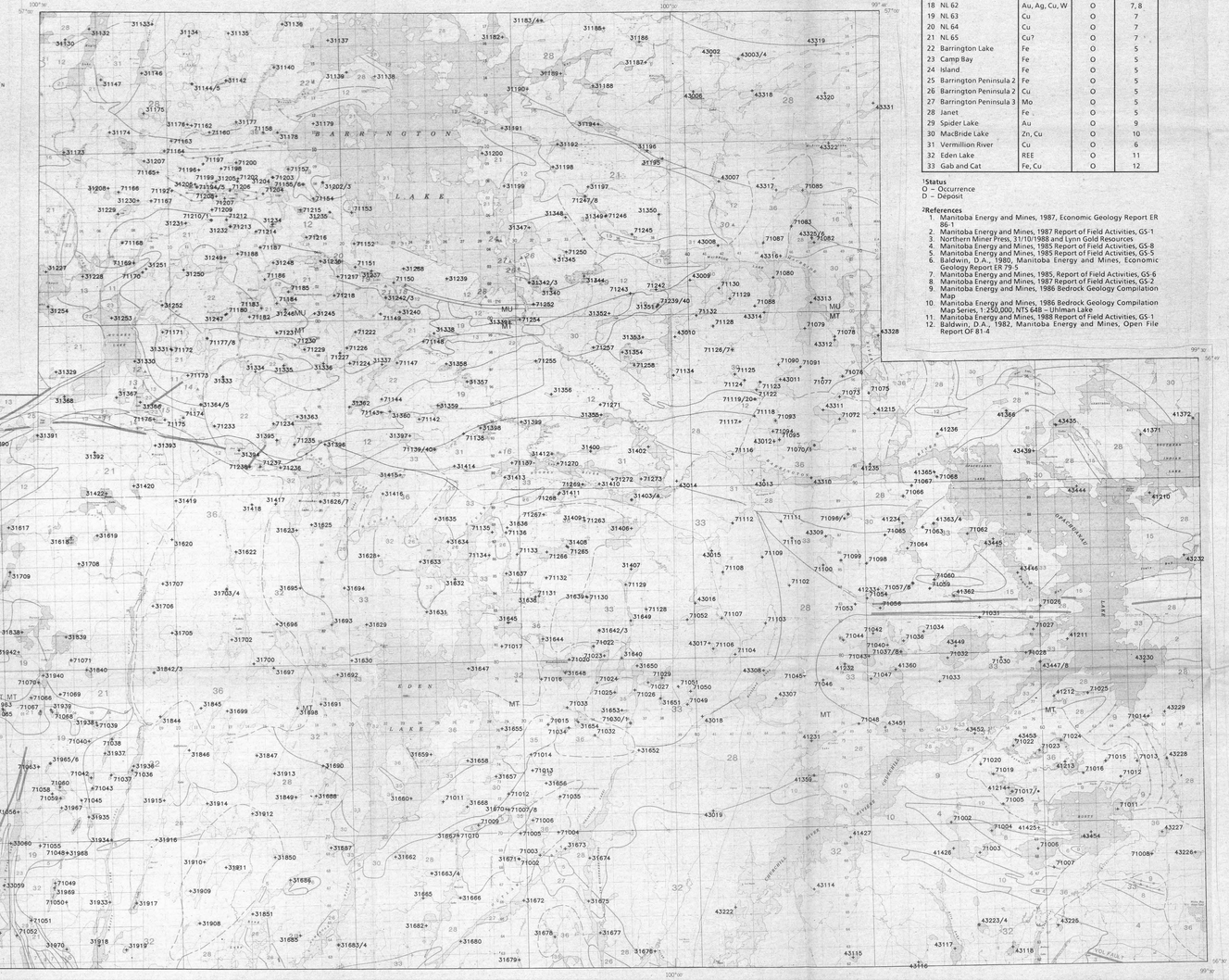
GEOLOGICAL SURVEY OF CANADA COMMISSION GEOLOGIQUE DU CANADA

64B,64C



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SAMPLE LOCATION
LAKE SEDIMENTS AND LAKE WATERS

GSC OPEN FILE 1959

CANADA – MANITOBA
MINERAL DEVELOPMENT AGREEMENT (1985 – 1989)

LAKE SEDIMENT AND WATER GEOCHEMICAL SURVEY
NORTHWESTERN MANITOBA, 1987 - 1988

Scale 1:50 000 - Échelle 1/50 000

Kilometres 0 1 2 Kilometres

Universal Transverse Mercator Projection
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Projection transverse universelle de Mercator
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Elevation in feet above mean sea level

Mean magnetic declination 1989, 11°23' East, decreasing 22.7" annually

MINERAL DEPOSITS AND OCCURRENCES

	Location Name	Commodity	Status[1]	Reference[2]
1	Gemmell 1	Au	O	1
2	Gemmell 2	Au	O	2
3	Ace Vein	Au	O	1
4	Austin Vein	Au	O	1
5	Johnson Shear	Au	O	1
6	T1A	Au	D	1
7	CL Group	Au	O	1
8	Burnt Timber	Au, Ag	D	3
9	Cartwright Lake	Au, Ag	D	1, 4
10	Lasthope	Au	D	1
11	Gold Lake	Au, Pb	O	5
12	Hughes Lake 1	Fe	O	6
13	Hughes Lake 2	Fe	O	5
14	Hughes River 1	Cu, Fe	O	5
15	Hughes River 2	Cu	O	5
16	Adam Lake	Fe	O	5
17	Farley Lake	Au, Ag	D	1
18	NL 62	Au, Ag, Cu, W	O	7, 8
19	NL 63	Cu	O	7
20	NL 64	Cu	O	7
21	NL 65	Cu?	O	7
22	Barrington Lake	Fe	O	5
23	Camp Bay	Fe	O	5
24	Island	Fe	O	5
25	Barrington Peninsula 2	Fe	O	5
26	Barrington Peninsula 2	Cu	O	5
27	Barrington Peninsula 3	Mo	O	5
28	Janet	Fe	O	5
29	Spider Lake	Au	O	9
30	MacBride Lake	Zn, Cu	O	10
31	Vermillion River	Cu	O	6
32	Eden Lake	REE	O	11
33	Gab and Cat	Fe, Cu	O	12

[1]Status
O – Occurrence
D – Deposit

[2]References
1. Manitoba Energy and Mines, 1987, Economic Geology Report ER 86-1
2. Manitoba Energy and Mines, 1987 Report of Field Activities, GS-1
3. Northern Miner Press, 31/10/1988 and Lynn Gold Resources
4. Manitoba Energy and Mines, 1985 Report of Field Activities, GS-8
5. Manitoba Energy and Mines, 1985 Report of Field Activities, GS-5
6. Baldwin, D.A., 1980, Manitoba Energy and Mines, Economic Geology Report ER 79-5
7. Manitoba Energy and Mines, 1985, Report of Field Activities, GS-6
8. Manitoba Energy and Mines, 1987 Report of Field Activities, GS-2
9. Manitoba Energy and Mines, 1986 Bedrock Geology Compilation Map
10. Manitoba Energy and Mines, 1986 Bedrock Geology Compilation Map Series, 1:250,000, NTS 64B – Uhlman Lake
11. Manitoba Energy and Mines, 1988 Report of Field Activities, GS-1
12. Baldwin, D.A., 1982, Manitoba Energy and Mines, Open File Report OF 81-4

SAMPLE LOCATION
LAKE SEDIMENTS AND LAKE WATERS

GSC OPEN FILE 1959

NORTHWEST MANITOBA, 1989

Part of NTS 64B, 64C

LEGEND

	QUATERNARY	
36	Q	Unconsolidated glacial sediments
	PRECAMBRIAN	
35	X	Pegmatite
34	EZ	Aegerine-augite monzonite
33	G	Granite, megacrystic to seriate porphyritic
32	GA	Granodiorite, seriate-porphyritic to hornblendic
31	GB	Granite, undivided
30	GC	Granodiorite, granite
29	BTD	Diorite, quartz diorite – Black Trout diorite
28	T	Tonalite, granodiorite, gneissic tonalite
27	ZM	Monzodiorite
26	D	Diorite, quartzdiorite, amphibolite
		LYNN LAKE DOMAIN
		SICKLE GROUP
25	SS	Sandstone, quartzofeldspathic gneiss
24	SSh	Calcareous sandstone, hornblende-quartzofeldspathic gneiss
23	SC	Polymictic conglomerate
		PLUTONIC ROCKS
22	PG	Granite, granodiorite
21	PT	Tonalite, granodiorite – Pool Lake intrusive suite
20	PD	Diorite, quartz diorite
19	B	Gabbro, diorite
		WASEKWAN GROUP
18	C	Conglomerate
17	W	Feldspathic greywacke, conglomerate
16	WW	Volcanic sandstone, siltstone and mafic mudstone, iron formation (dotted line)
15	WA	Wasekwan Group undivided
14	WV	Rhyolite, dacite, pyroclastics
13	WVa	Andesite, porphyritic and aphyric basalt, tuff
12	WVr	Basalt, porphyritic and aphyric, iron formation (dotted line), mafic tuff
11	WVpb	Basalt, pillow basalt, porphyritic and aphyric basalt, mafic tuff
		LEAF RAPIDS DOMAIN
		PLUTONIC ROCKS
10	LBD	Gabbro
		UNNAMED METASEDIMENTARY AND METAVOLCANIC ROCKS
9	LRW	Greywacke, calc-silicate rock, iron formation (dotted line)
8	LRC	Polymictic conglomerate and interbedded sandstone
7	K	Chemical sedimentary rock
6	V	Aphyric pillowed basalt
5	LRA	Amphibolite, includes gabbro, sedimentary and volcanic rocks
		RUTTAN GROUP
4	RVf	Mafic volcaniclastic rock, minor quartz diorite
3	RVr	Basalt, aphyric and porphyritic
		SOUTHERN INDIAN DOMAIN
2	N	Quartzofeldspathic gneiss ± hornblende, may include meta-sandstone
1	SIW	Quartz-biotite gneiss, amphibolite, migmatite

SYMBOLS

Geological boundary .....

Area of little or no outcrop .....

Fault, shear zone .....

Mineral deposit or occurrence .....

Lake sediment and water sample location .....

Field duplicate sample site .....

Geology base derived from:

Cameron, H.D.M., 1988, Geology of the Eden Lake Area, Manitoba Energy and Mines, Geological Report GR 84 – 2, 1:50,000

Manitoba Energy and Mines, 1986, Bedrock Geology Compilation Map Series, 1:250,000, NTS 64B Uhlman Lake

_____, Bedrock Geology Compilation Map Series, 1:250,000, NTS 64C Granville Lake.

GEOLOGICAL SURVEY OF CANADA
EXPLORATION GEOCHEMISTRY SUBDIVISION

PROJECT COORDINATORS
H.R. Schmitt, P.W.B. Friske

CONTRACTORS

Collection: 64B – Marshall Macklin Monoghan, Toronto (1984)
– H.R. Schmitt, GSC (1987)
64C – Wollex Exploration, Calgary (1983)
– H.R. Schmitt, GSC (1985, 1986, 1987)

Preparation: Golder Associates, Ottawa (1984 – 1988)

Sediment Analysis: 64B – Barringer Magenta Ltd., Rexdale (1984 – 1985)
– Bondar-Clegg and Company Ltd., Ottawa (1987)
– Chemex Labs Ltd., Vancouver (Au only) (1985, 1987, 1988)
64C – Acme Analytical Laboratories Ltd., Toronto (1983)
– Barringer Magenta Ltd., Rexdale (Sb only) (1985)
– Chemex Labs Ltd., Vancouver (Au only) (1985, 1987, 1988)

Water Analysis: 64B – Barringer Magenta (Alberta) Ltd., Calgary (pH, U, F) (1984)
– Ward TSL, Winnipeg (1985)
– Chemex Labs Ltd., Vancouver (1987)
64C – Chemex Labs Ltd., Vancouver (1983, 1987)
– Ward TSL, Winnipeg (Cond, HCO_3, Ca, Mg, Fe – 1984)

Cartography: GSC, Terra Surveys Ltd., Ottawa

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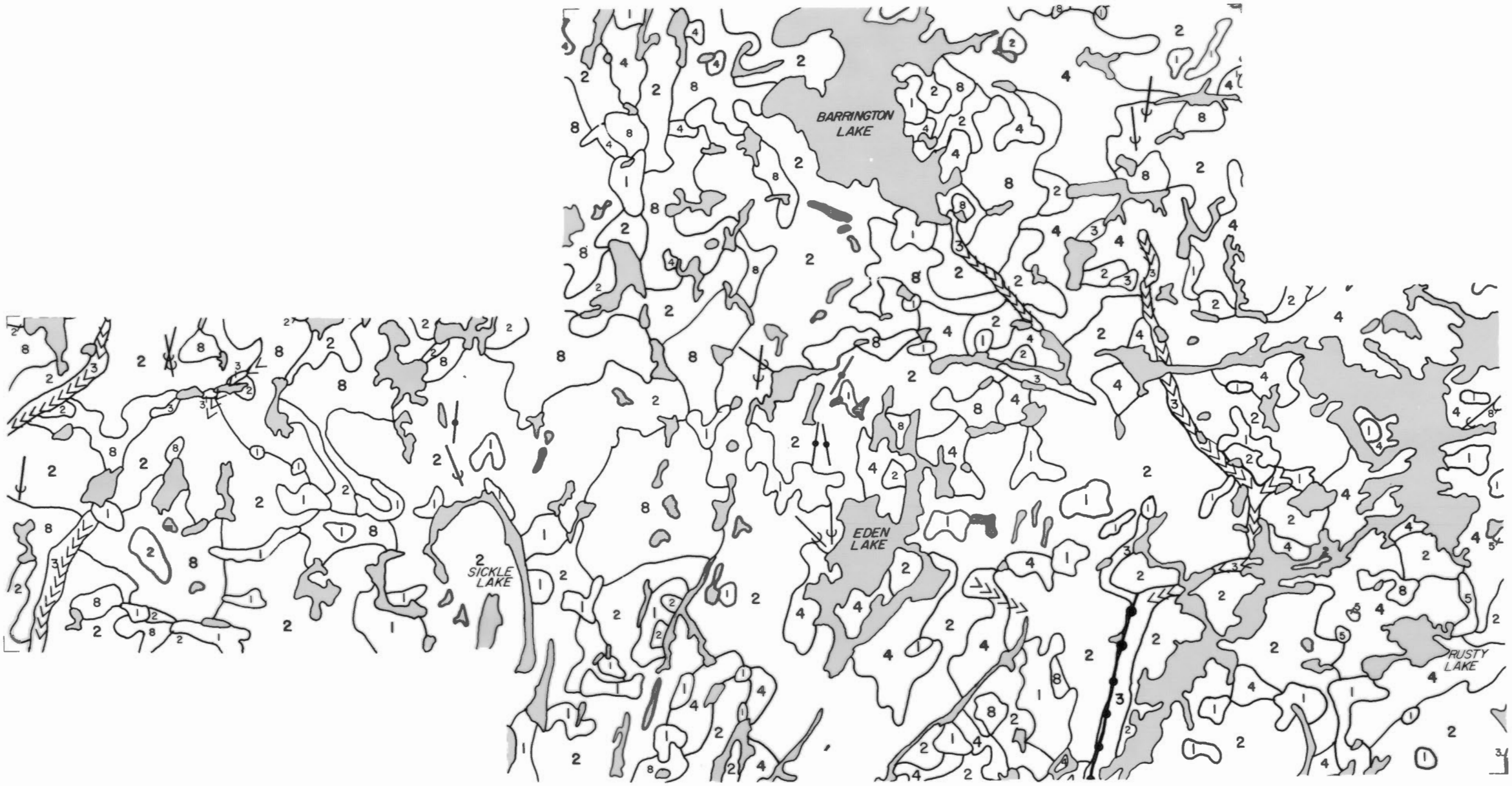
1989



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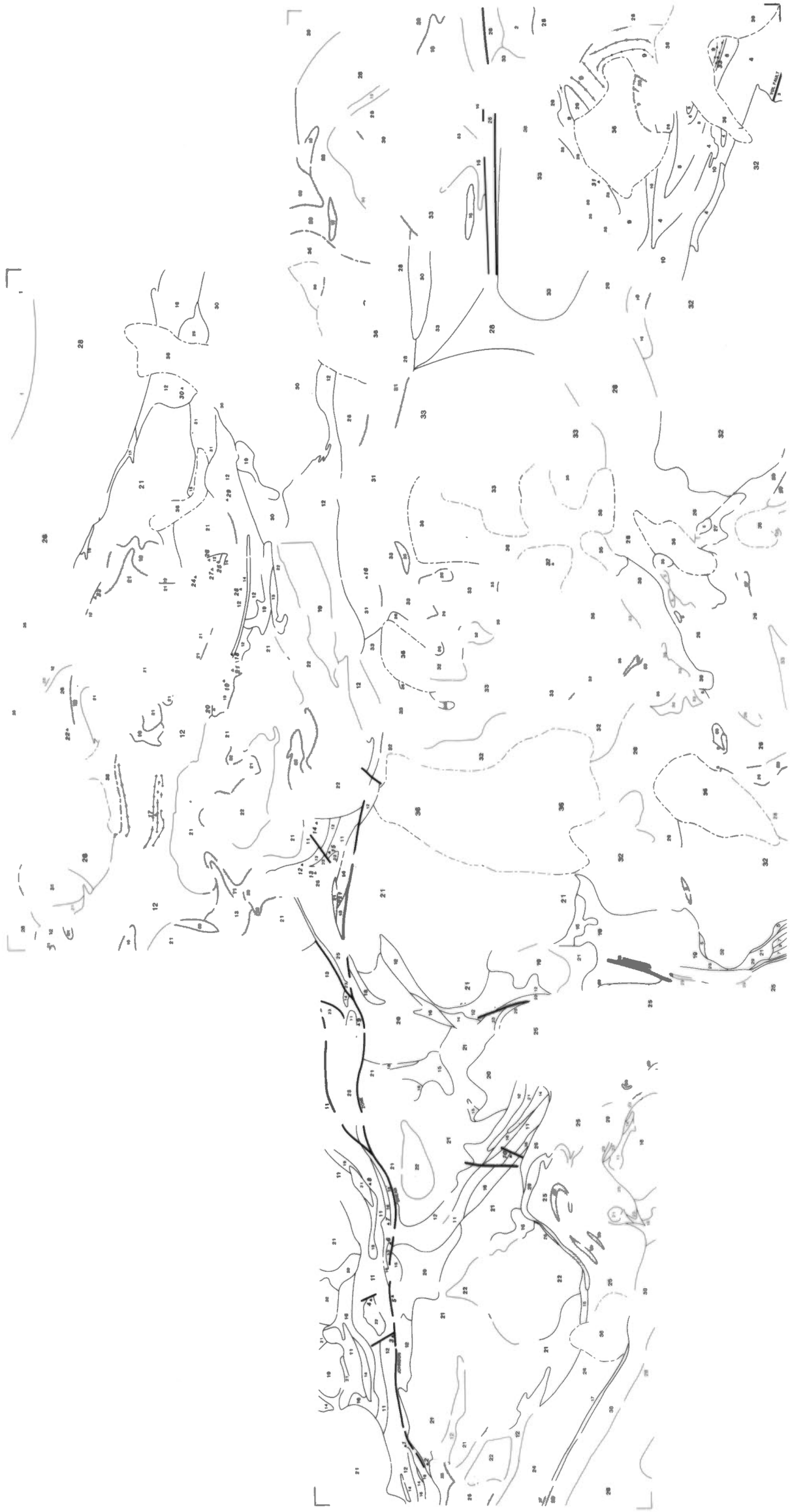
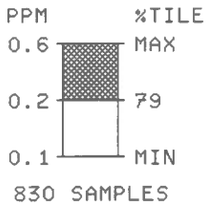


ANTIMONY
IN
LAKE SEDIMENTS



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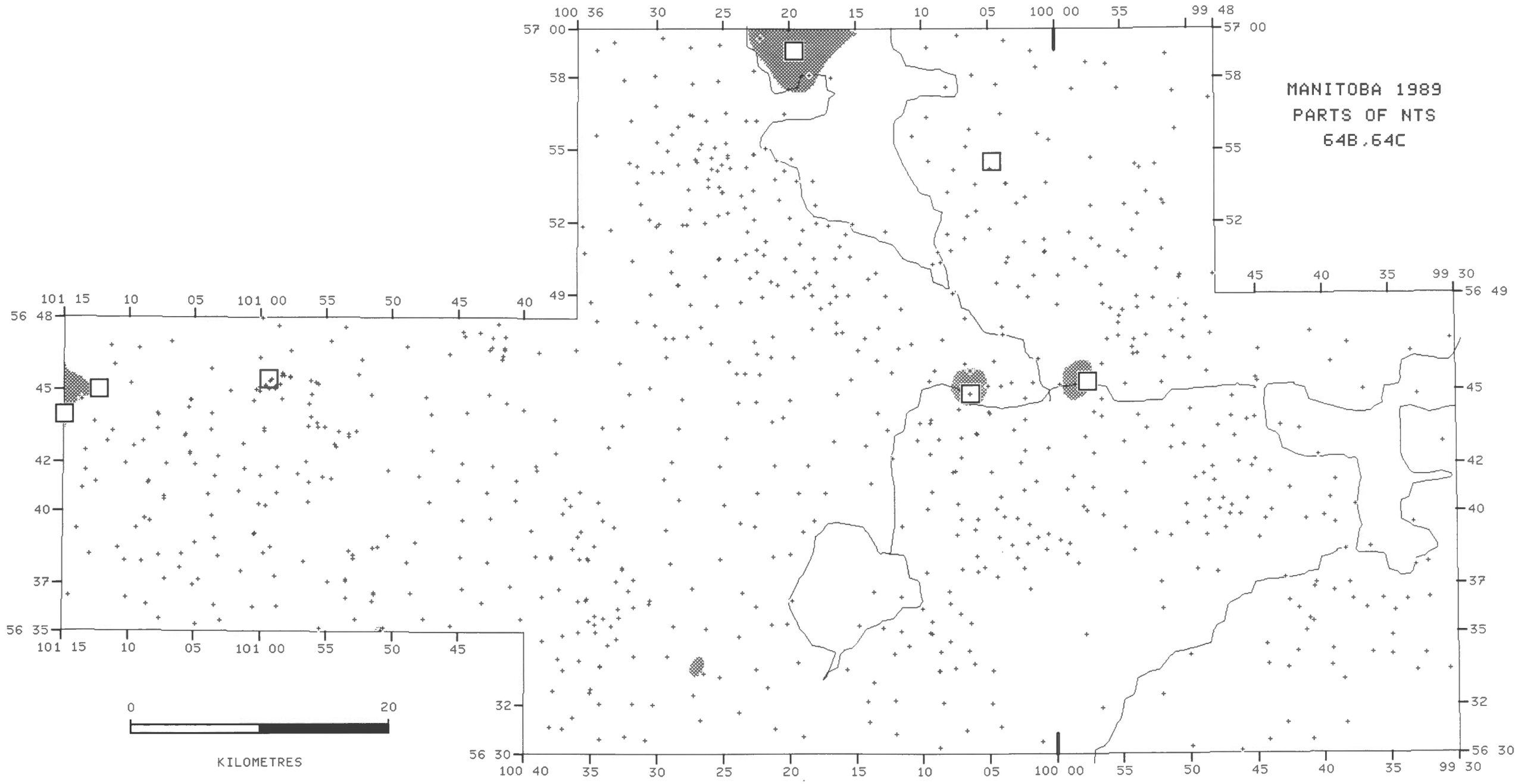

MANITOBA 1989
PARTS OF NTS
64B,64C

ARSENIC
IN
LAKE SEDIMENTS

PPM / %TILE

20.5 — MAX
3.0 — 95
2.0 — 80
1.5 — 50
0.5 — MIN

831 SAMPLES

PPM / %TILE

20.5 - MAX
4.7 - 98
3.0 - 95
2.0 - 80
1.5 - 50
0.5 - MIN

831 SAMPLES

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MANITOBA 1989
PARTS OF NTS
64B,64C

0 20

KILOMETRES

BARIUM
IN
LAKE SEDIMENTS

PPM	%TILE
890	MAX
751	95
704	90
610	70
496	50
59	MIN

378 SAMPLES

PPM	%TILE
890	MAX
789	98
751	95
704	90
610	70
496	50
59	MIN

378 SAMPLES

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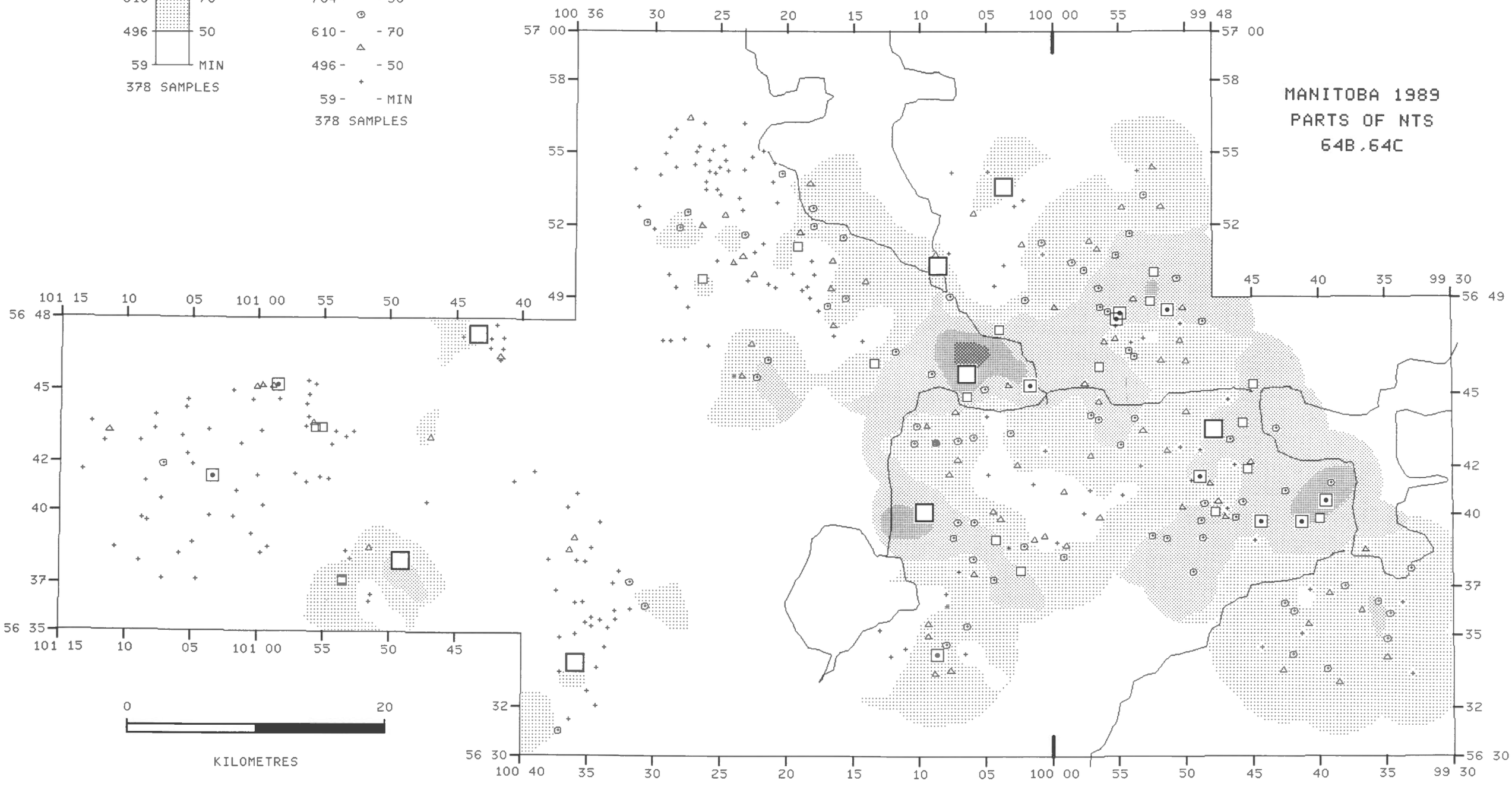

MANITOBA 1989
PARTS OF NTS
64B,64C

CADMIUM
IN
LAKE SEDIMENTS

PPM	%TILE
0.9	MAX
0.3	95
0.3	90
0.2	80
0.1	MIN

836 SAMPLES

PPM	%TILE
0.9	MAX
0.4	98
0.3	95
0.3	90
0.2	80
0.1	MIN

836 SAMPLES

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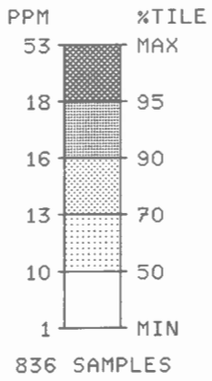
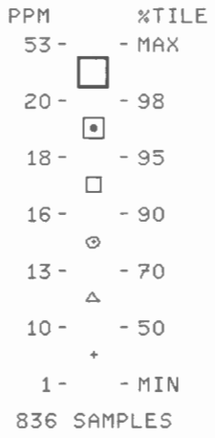
MANITOBA 1989
PARTS OF NTS
64B,64C

0 20
KILOMETRES

COBALT
IN
LAKE SEDIMENTS





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0 20
KILOMETRES

COPPER IN LAKE SEDIMENTS

PPM	%TILE
84	MAX
40	95
37	90
31	70
27	50
1	MIN

836 SAMPLES

PPM	%TILE
84	MAX
46	98
40	95
37	90
31	70
27	50
1	MIN

836 SAMPLES

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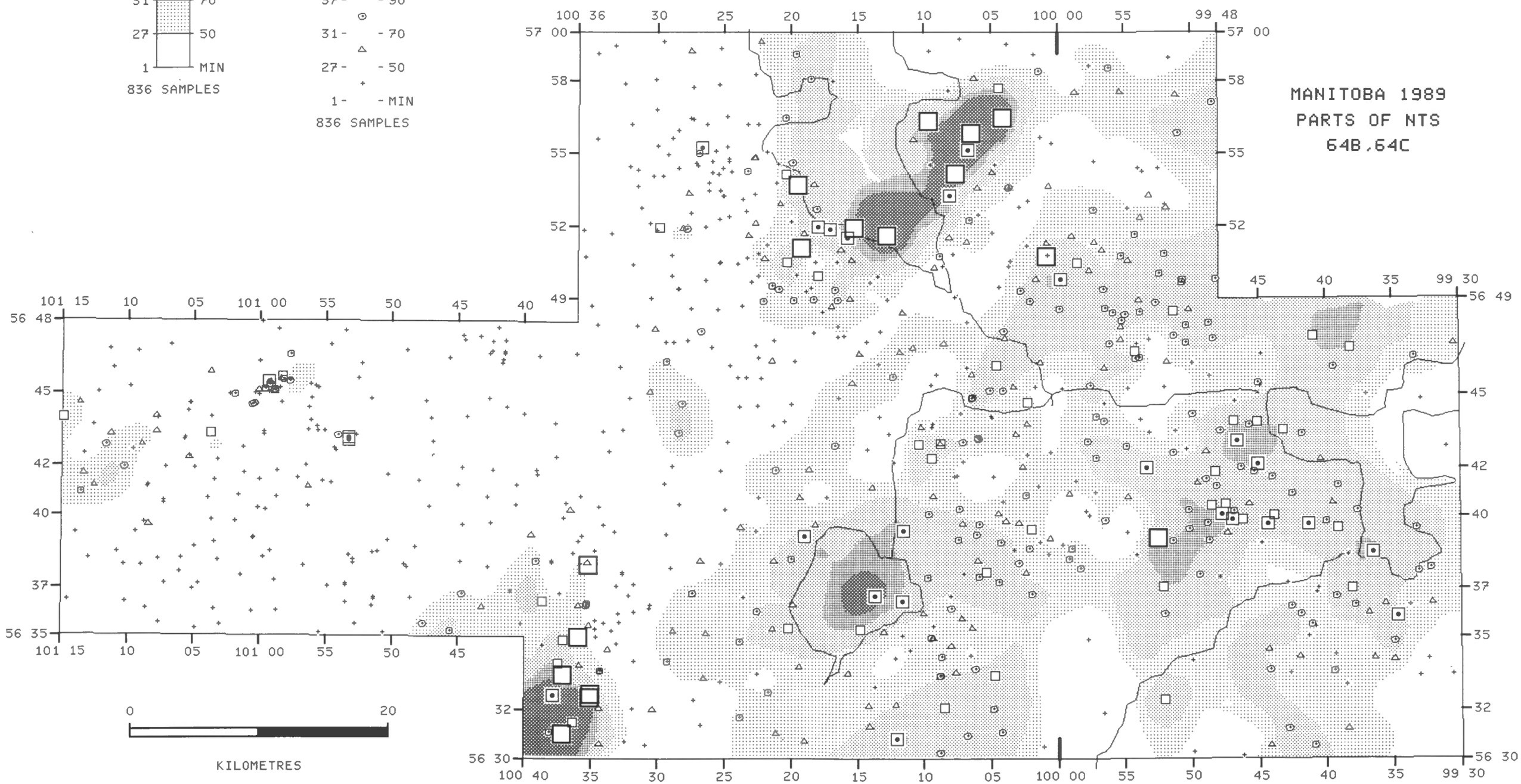

FLUORINE IN LAKE SEDIMENTS

PPM	%TILE
1000	MAX
830	95
760	90
590	70
440	50
10	MIN

836 SAMPLES

PPM	%TILE
1000	MAX
880	98
830	95
760	90
590	70
440	50
10	MIN

836 SAMPLES

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PARTS OF NTS
64B,64C

0 20

KILOMETRES

GOLD-2
IN
LAKE SEDIMENTS

PPB	%TILE
30.0	MAX
6.0	95
4.0	90
3.0	80
1.0	70
0.5	MIN

794 SAMPLES

PPB	%TILE
30.0	MAX
8.0	98
6.0	95
4.0	90
3.0	80
1.0	70
0.5	MIN

794 SAMPLES

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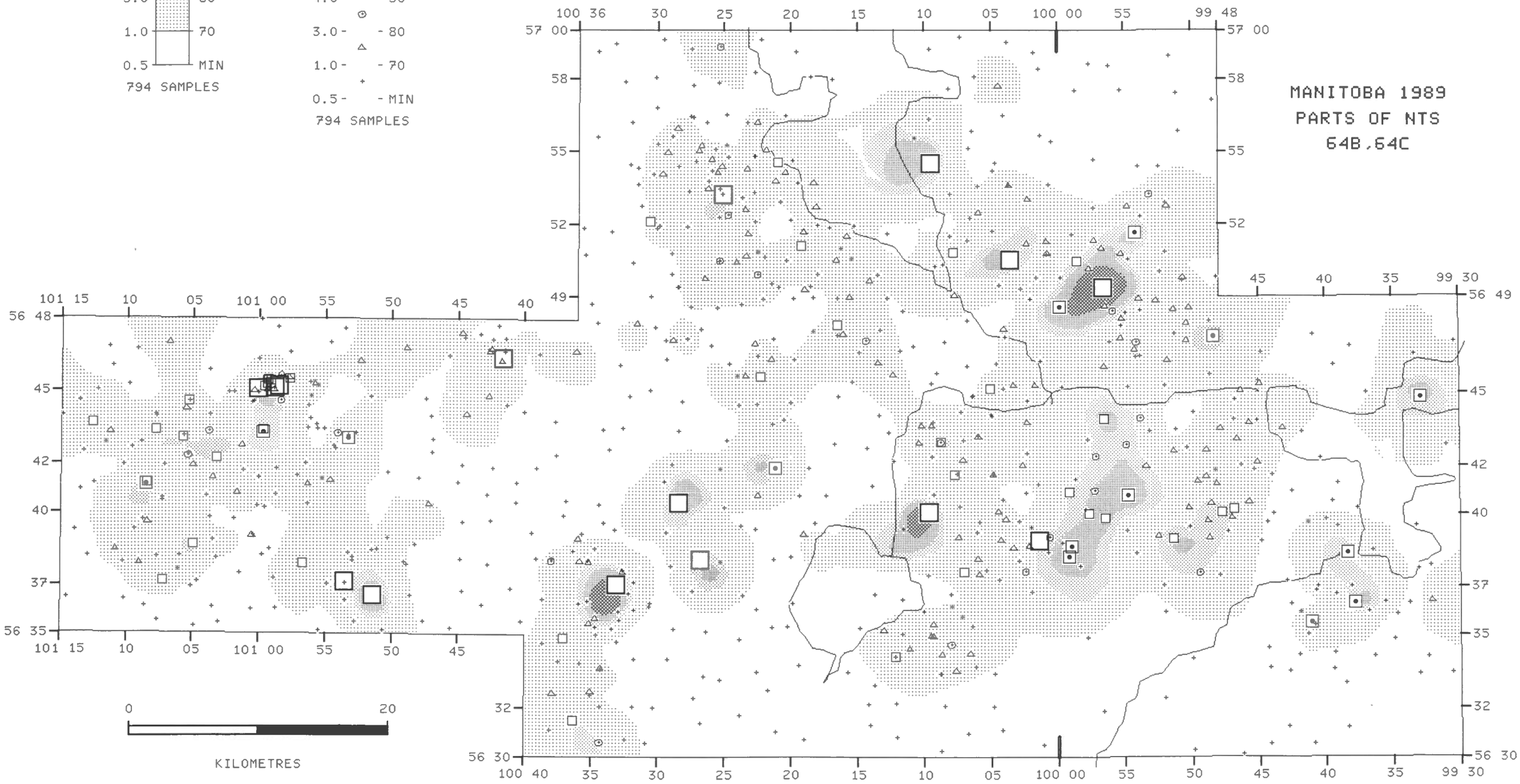

IRON IN LAKE SEDIMENTS

PCT	%TILE
23.00	MAX
4.80	95
4.30	90
3.50	70
2.75	50
0.31	MIN

836 SAMPLES

PCT	%TILE
23.00	MAX
5.30	98
4.80	95
4.30	90
3.50	70
2.75	50
0.31	MIN

836 SAMPLES

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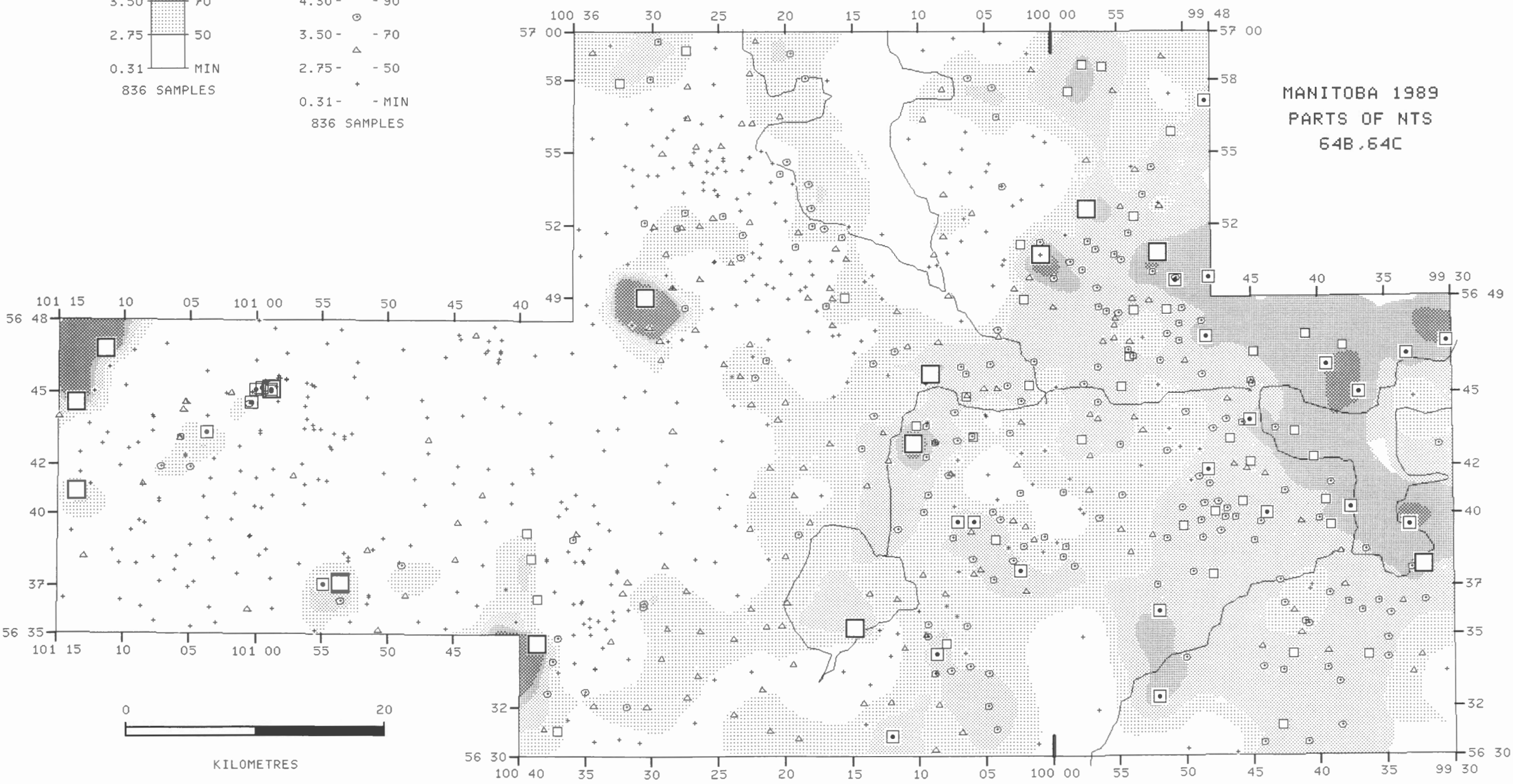

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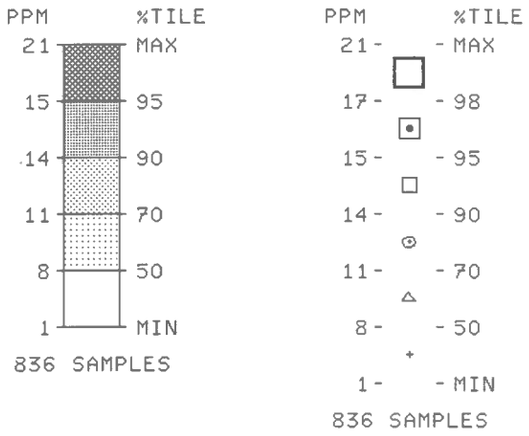
LEAD
IN
LAKE SEDIMENTS



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64B,64C

0 20

KILOMETRES

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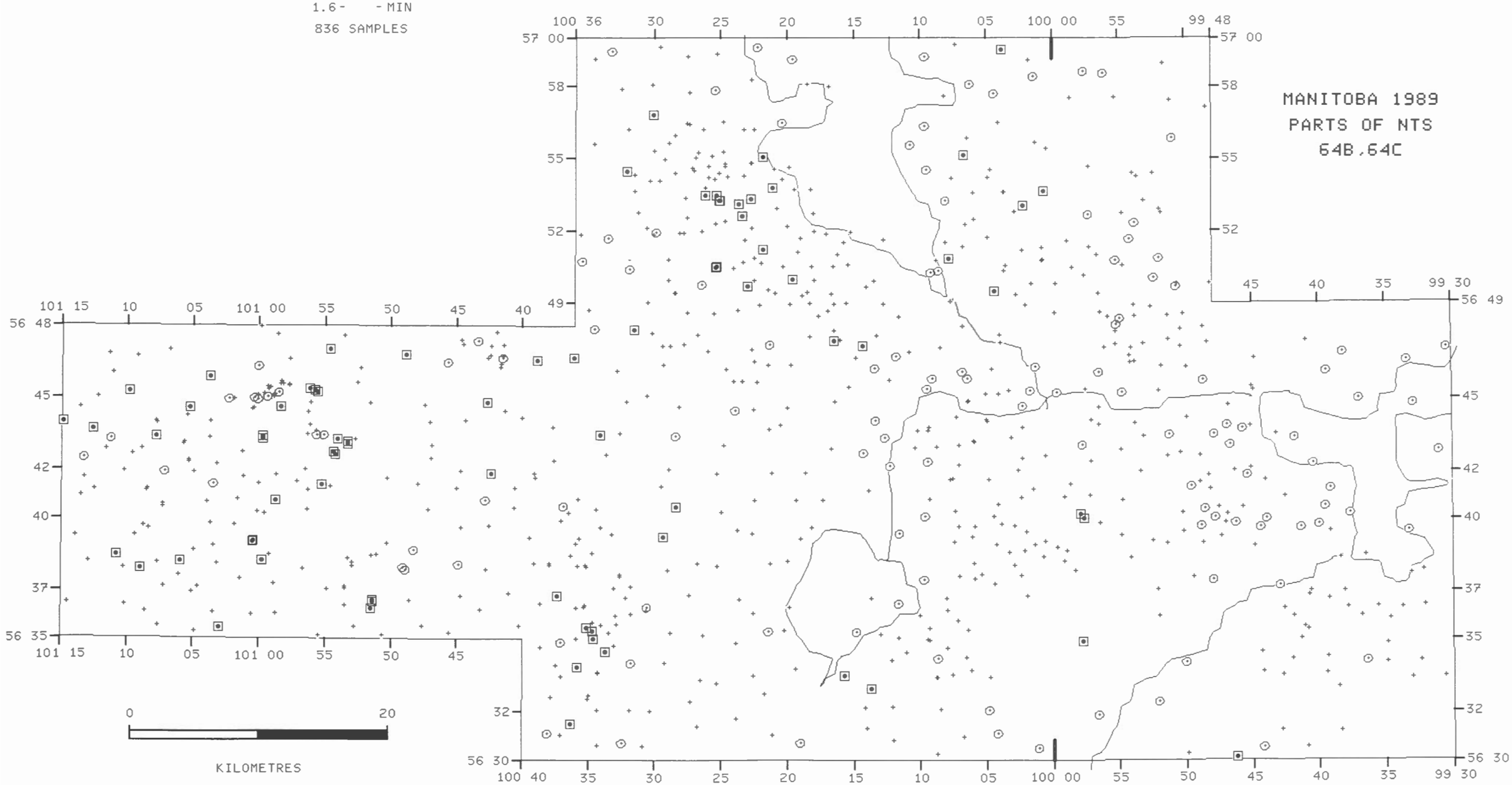
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

LOSS ON IGNITION
IN
LAKE SEDIMENTS

PCT	%TILE
81.4 -	- MAX
60.0 -	- 91
15.0 -	- 15
1.6 -	- MIN

836 SAMPLES

MANITOBA 1989
PARTS OF NTS
64B,64C



MANGANESE IN LAKE SEDIMENTS

PPM	%TILE
8370	MAX
998	95
700	90
442	70
344	50
61	MIN

836 SAMPLES

PPM	%TILE
8370	MAX
1450	98
998	95
700	90
442	70
344	50
61	MIN

836 SAMPLES

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MINERAL DEVELOPMENT
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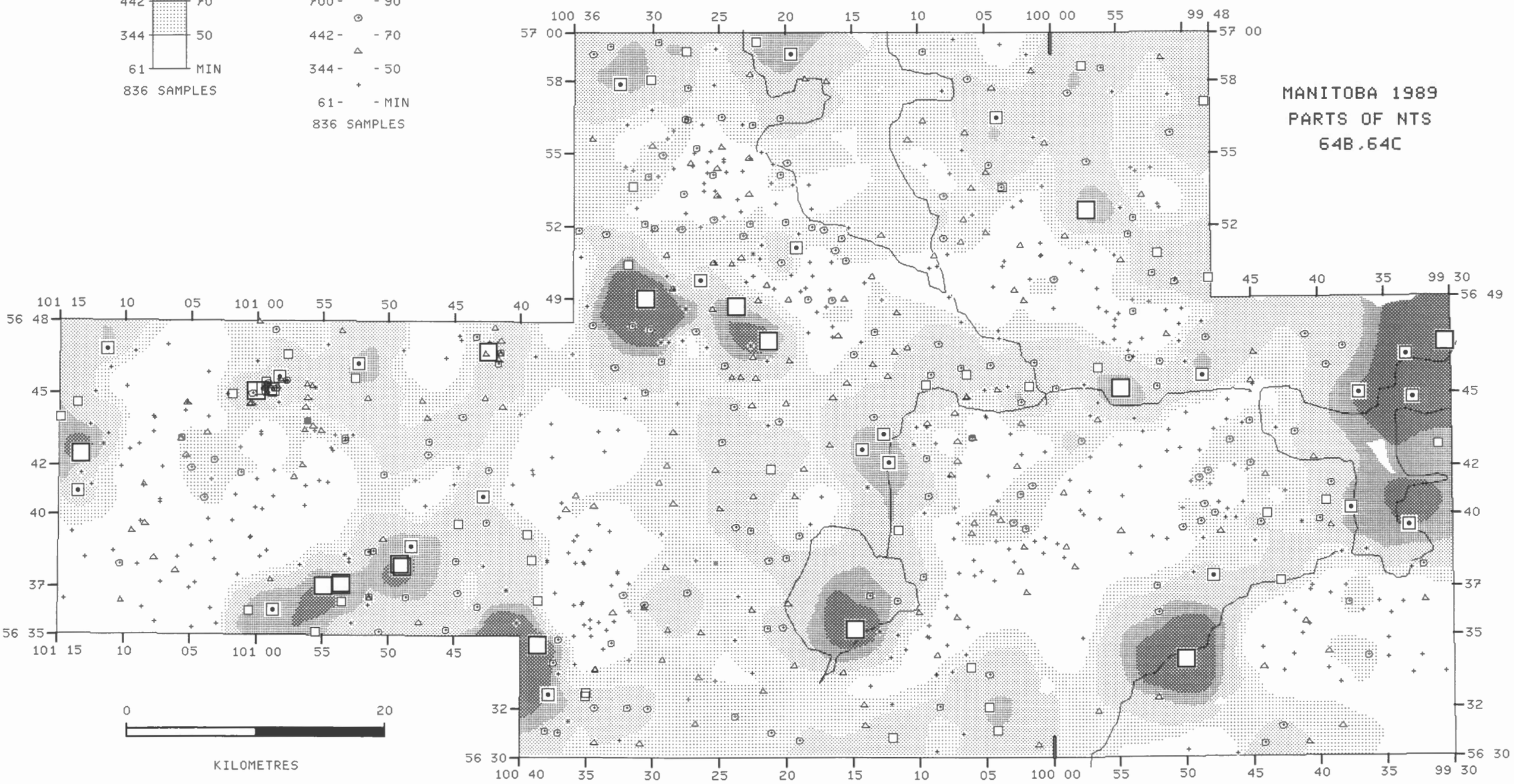

MANITOBA 1989
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MERCURY IN LAKE SEDIMENTS

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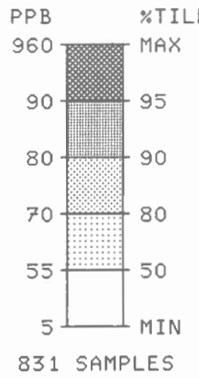
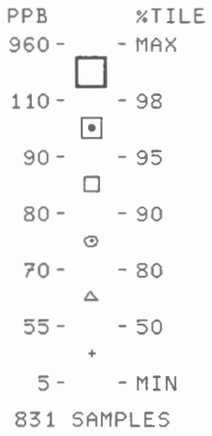
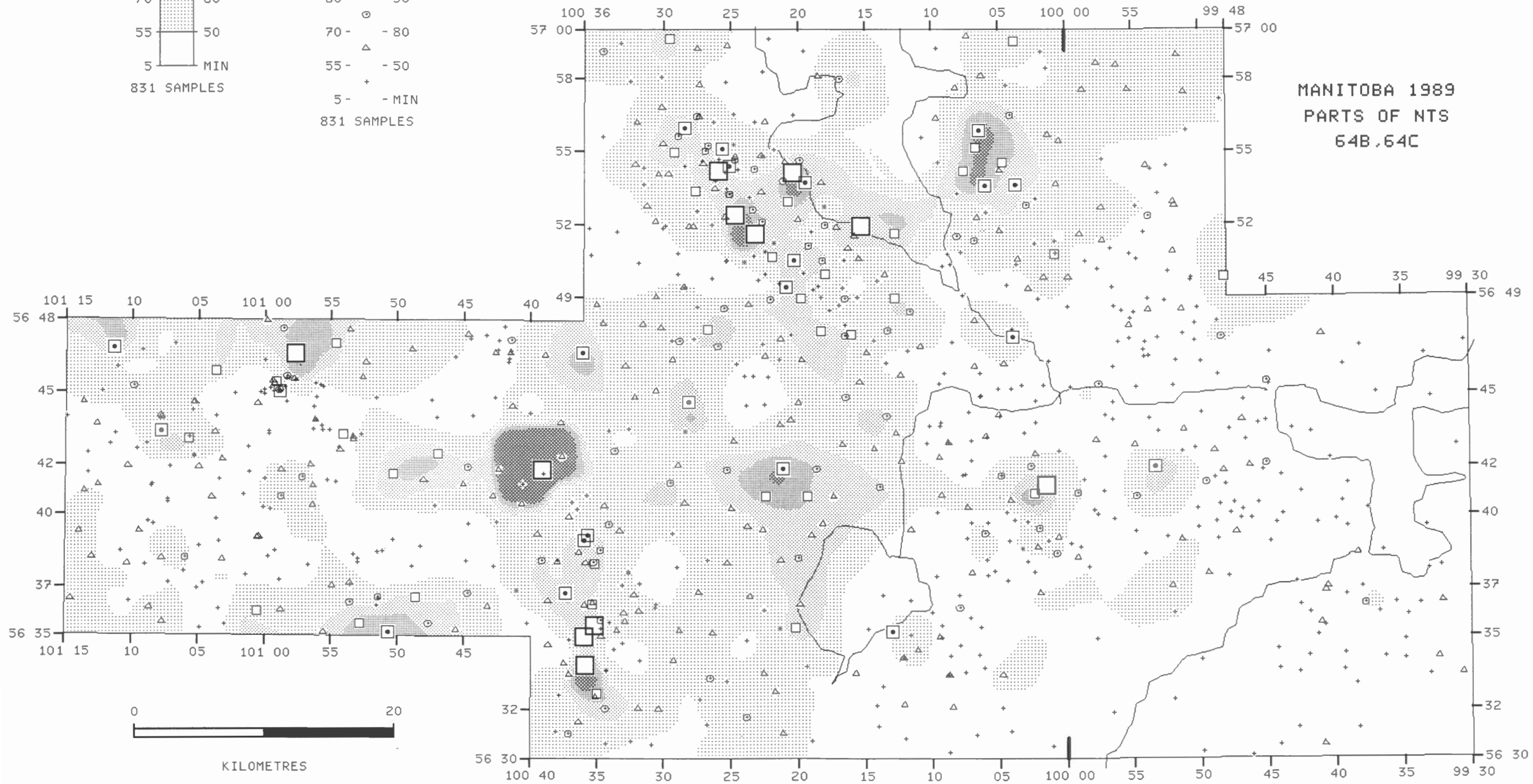
AGREEMENT (1984-1989)





MANITOBA 1989
PARTS OF NTS
64B,64C

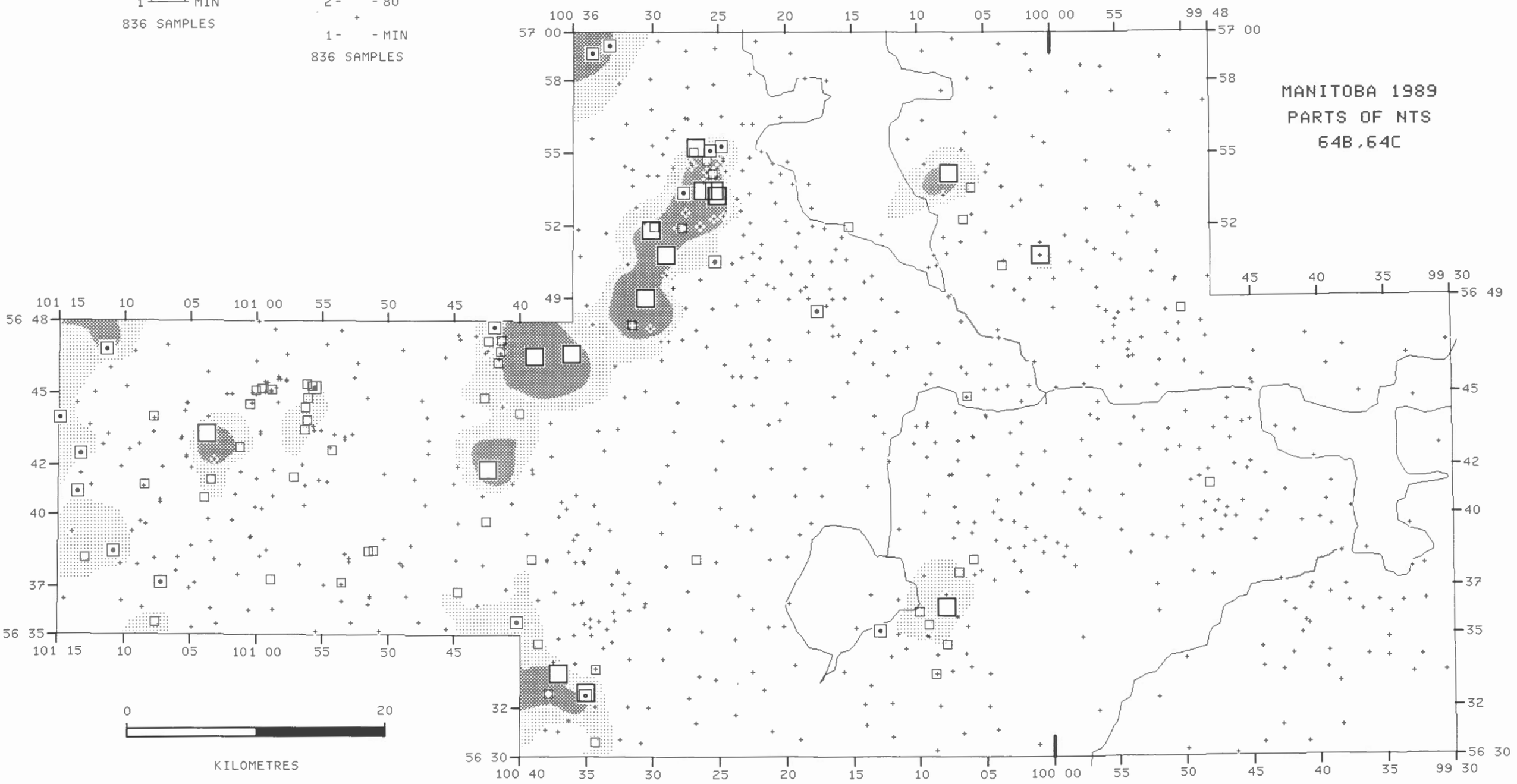


MOLYBDENUM IN LAKE SEDIMENTS

PPM %TILE
25 MAX
3 95
2 80
1 MIN
836 SAMPLES

PPM %TILE
25 - MAX
5 - 98
3 - 95
2 - 80
1 - MIN
836 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C

NICKEL IN LAKE SEDIMENTS

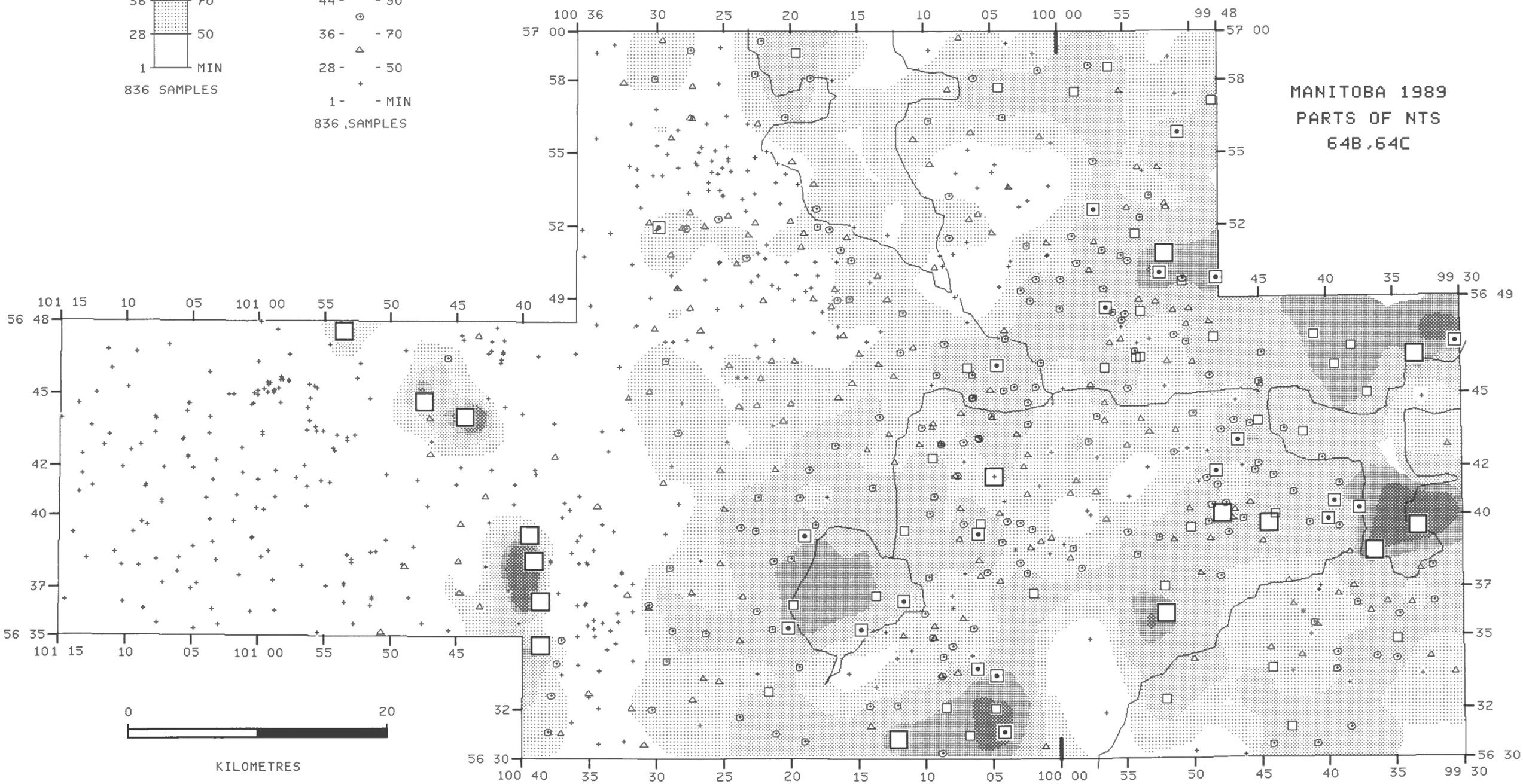
PPM	%TILE
85	MAX
47	95
44	90
36	70
28	50
1	MIN

836 SAMPLES

PPM	%TILE
85	MAX
50	98
47	95
44	90
36	70
28	50
1	MIN

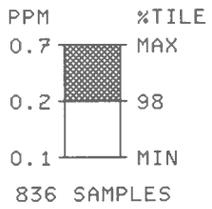
836 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C

SILVER
IN
LAKE SEDIMENTS



GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

MANITOBA 1989
PARTS OF NTS
64B,64C

0 20
KILOMETRES

TIN IN LAKE SEDIMENTS

PPM	%TILE
8.0	MAX
5.0	95
4.0	90
3.0	70
2.0	50
0.5	MIN

378 SAMPLES

PPM	%TILE
8.0	MAX
6.0	98
5.0	95
4.0	90
3.0	70
2.0	50
0.5	MIN

378 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

MANITOBA 1989
PARTS OF NTS
64B,64C

0 20

KILOMETRES

URANIUM IN LAKE SEDIMENTS

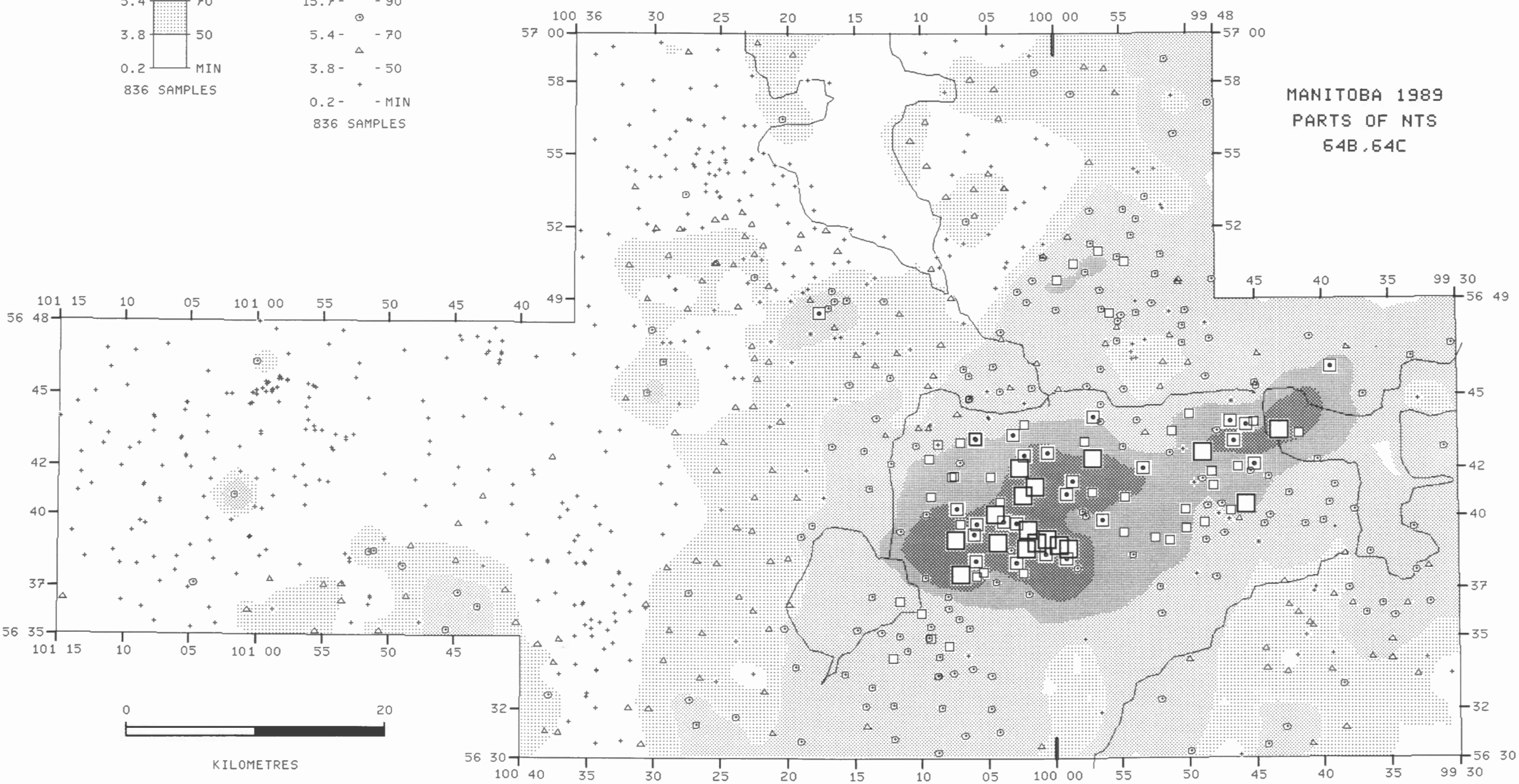
PPM	%TILE
125.0	MAX
26.6	95
15.7	90
5.4	70
3.8	50
0.2	MIN

836 SAMPLES

PPM	%TILE
125.0	MAX
39.0	98
26.6	95
15.7	90
5.4	70
3.8	50
0.2	MIN

836 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C

VANADIUM IN LAKE SEDIMENTS

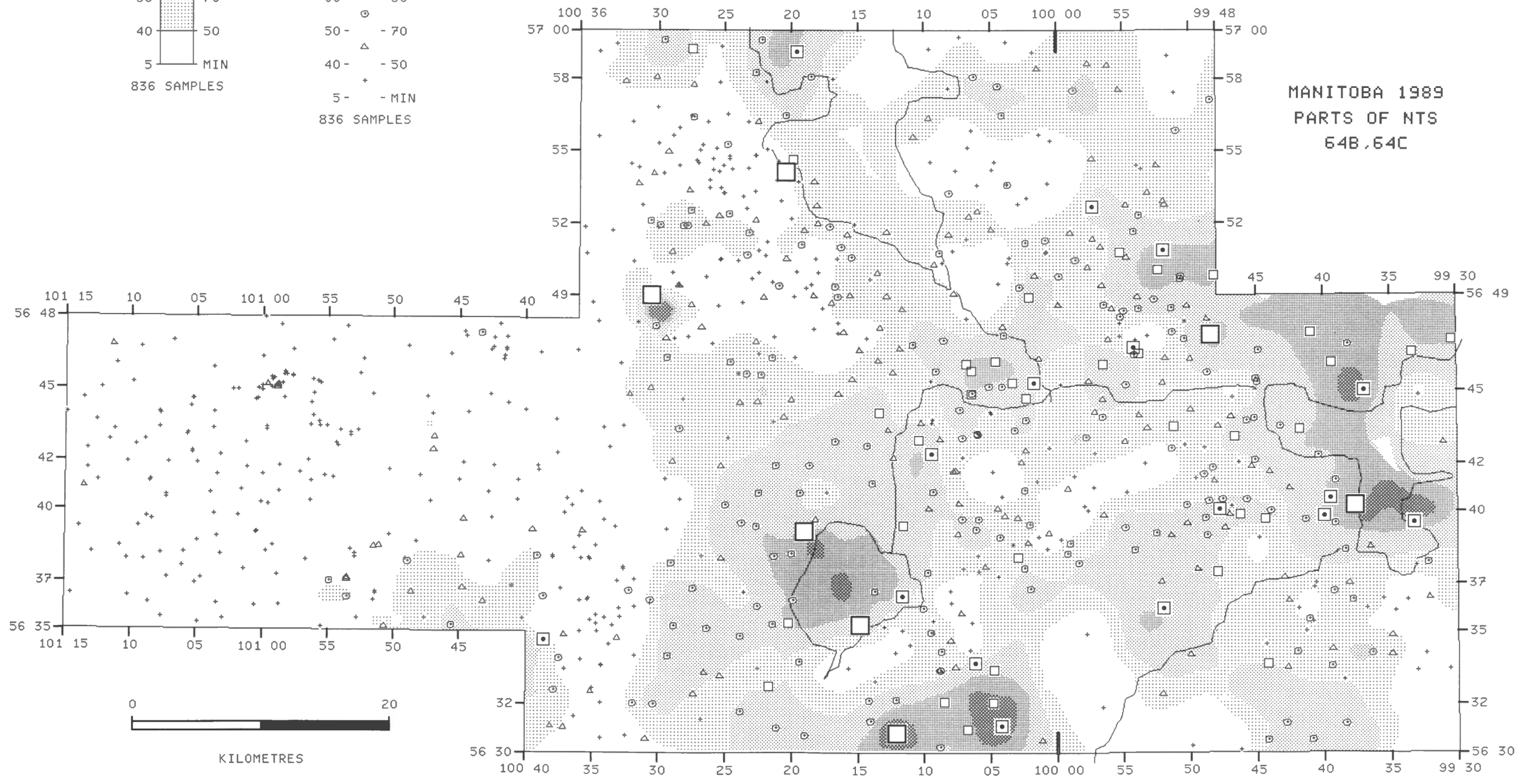
PPM	%TILE
120	MAX
65	95
60	90
50	70
40	50
5	MIN

836 SAMPLES

PPM	%TILE
120	MAX
70	98
65	95
60	90
50	70
40	50
5	MIN

836 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C

ZINC IN LAKE SEDIMENTS

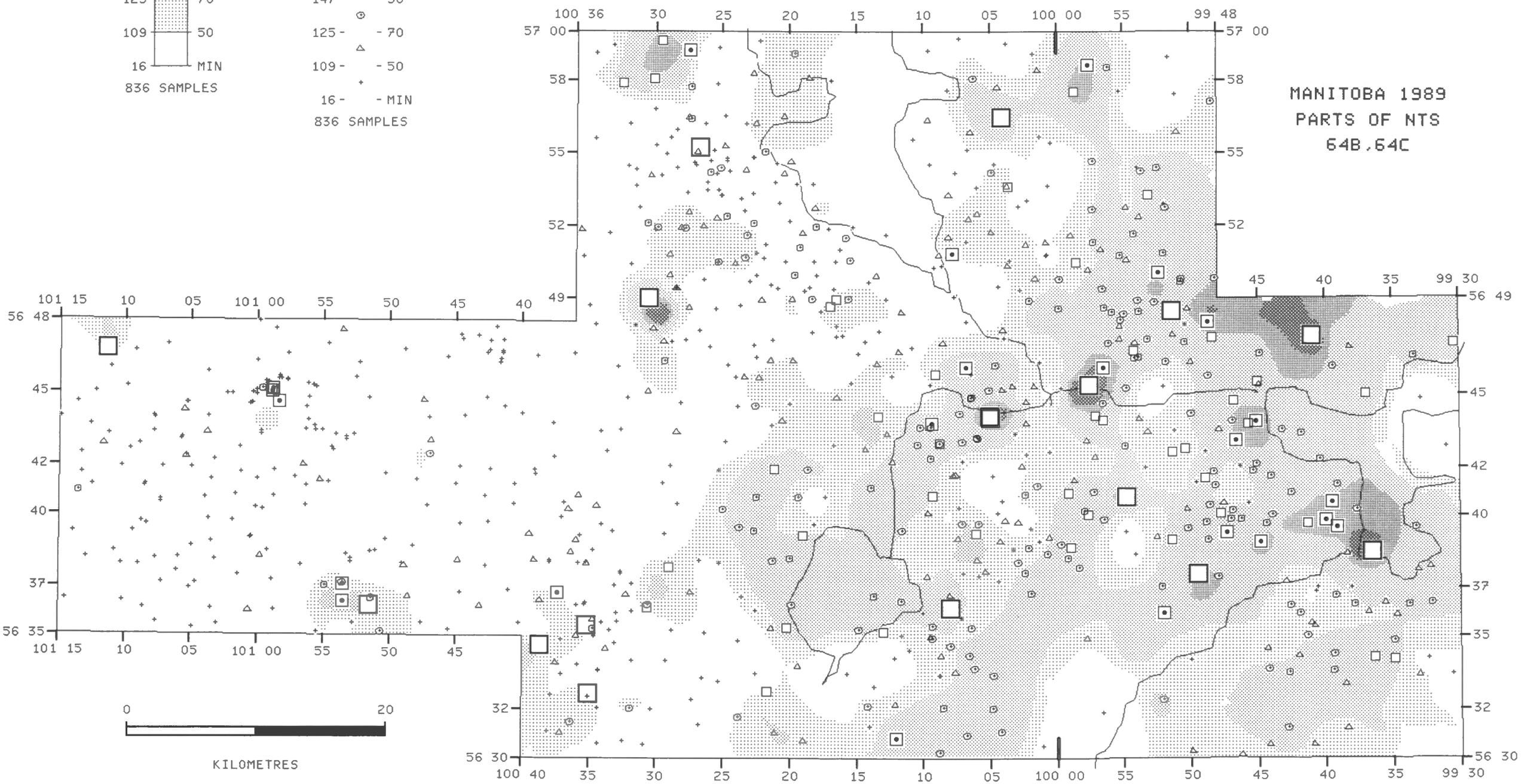
PPM	%TILE
240	MAX
156	95
147	90
125	70
109	50
16	MIN

836 SAMPLES

PPM	%TILE
240	MAX
170	98
156	95
147	90
125	70
109	50
16	MIN

836 SAMPLES

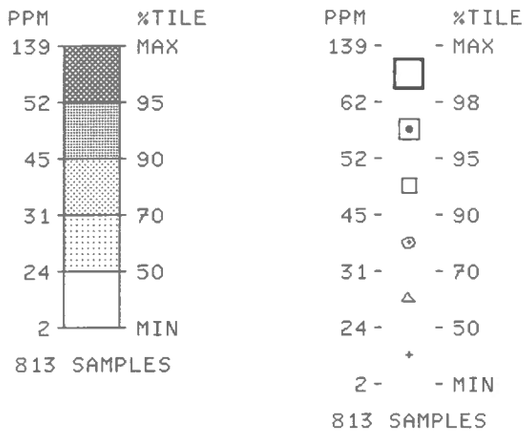
GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

ALKALINITY IN LAKE WATERS



MANITOBA 1989
PARTS OF NTS
64B,64C

0 20
KILOMETRES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

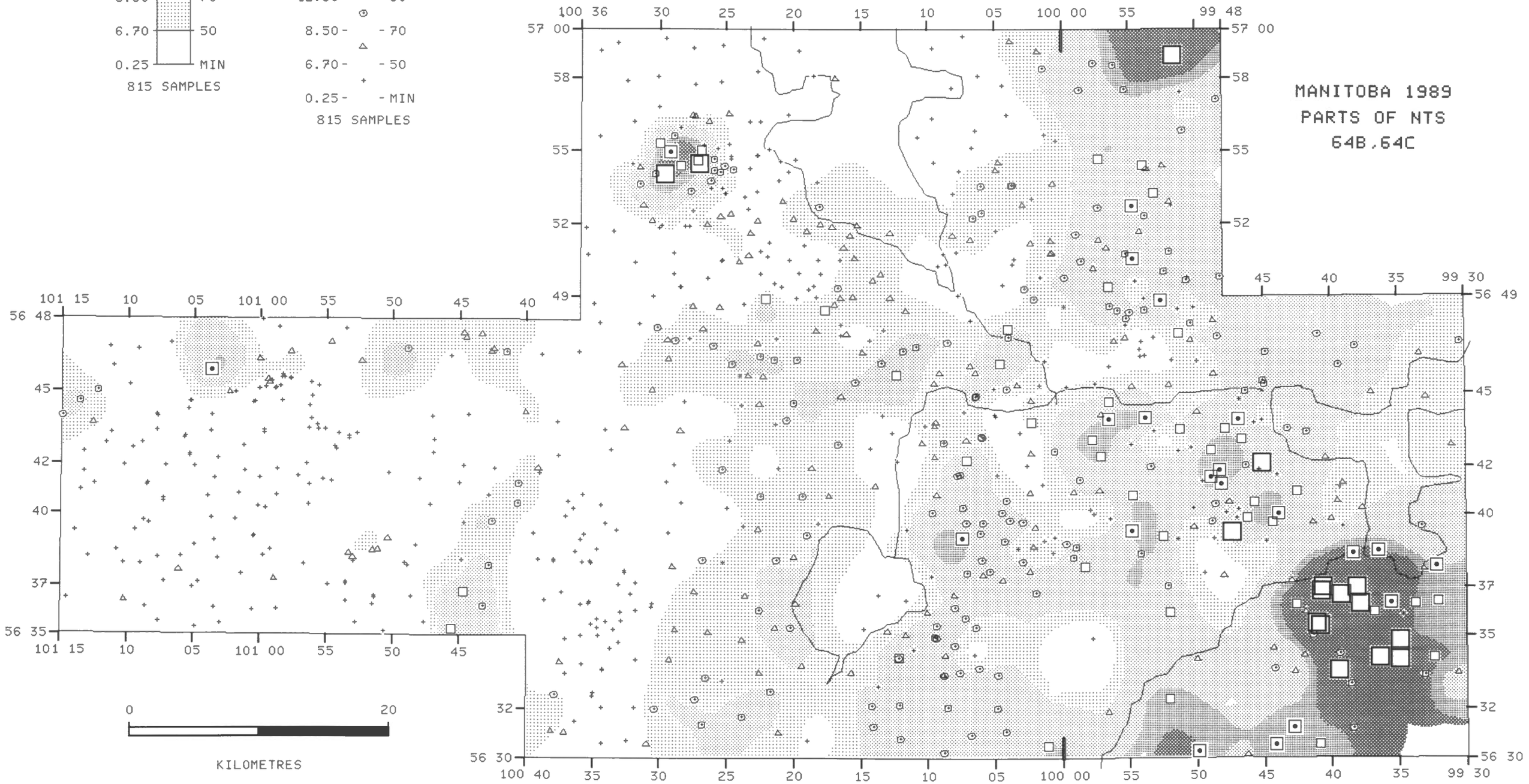
CALCIUM
IN
LAKE WATERS

PPM	%TILE
145.00	MAX
15.00	95
12.50	90
8.50	70
6.70	50
0.25	MIN

815 SAMPLES

PPM	%TILE
145.00	MAX
20.00	98
15.00	95
12.50	90
8.50	70
6.70	50
0.25	MIN

815 SAMPLES



MANITOBA 1989
PARTS OF NTS
64B,64C

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

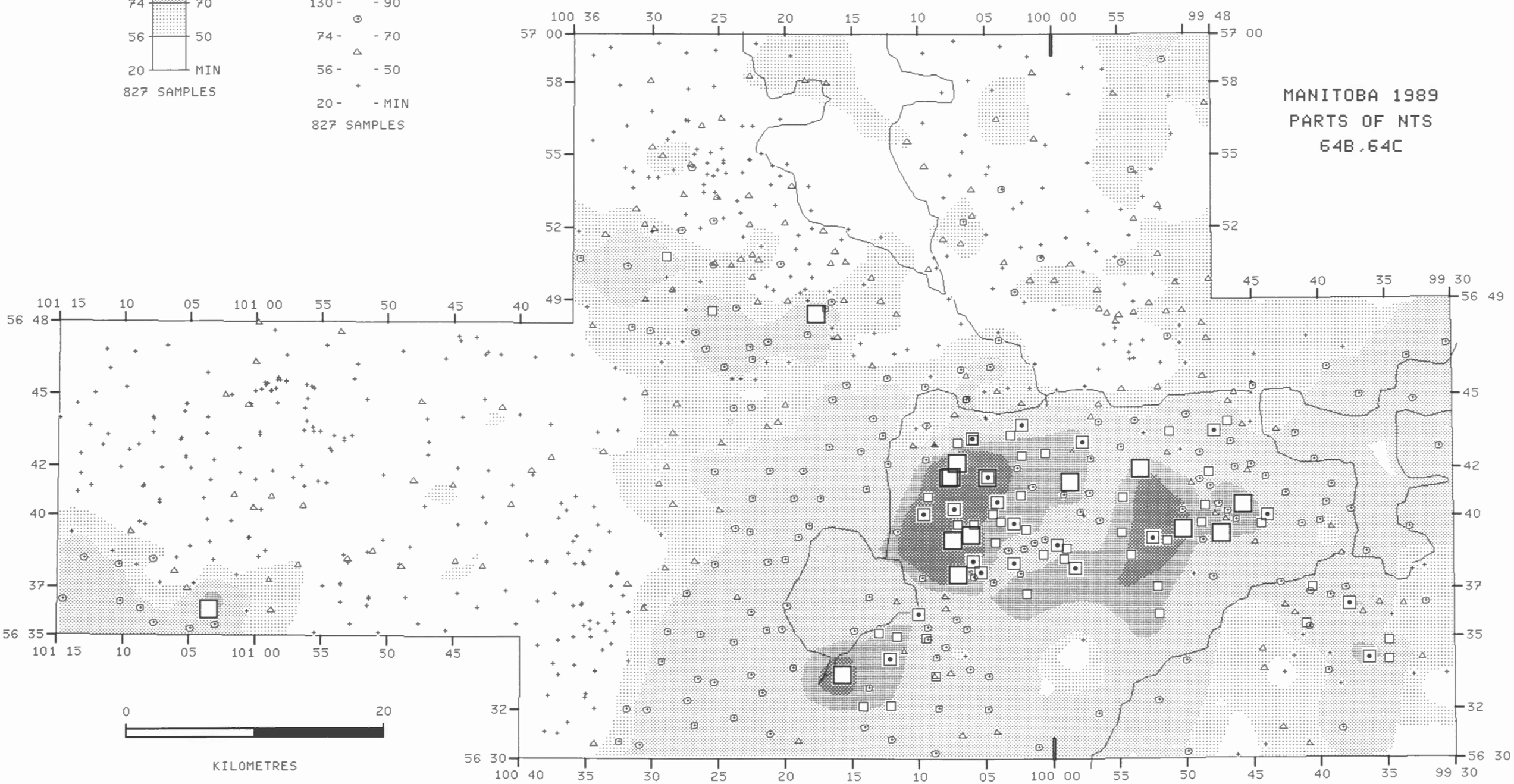
FLUORIDE IN LAKE WATERS

PPB	%TILE
380	MAX
160	95
130	90
74	70
56	50
20	MIN

827 SAMPLES

PPB	%TILE
380	MAX
210	98
160	95
130	90
74	70
56	50
20	MIN

827 SAMPLES



MANITOBA 1989
PARTS OF NTS
64B,64C

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

MAGNESIUM
IN
LAKE WATERS

PPM	%TILE
11.640	MAX
5.100	95
4.210	90
3.000	70
2.150	50
0.025	MIN

814 SAMPLES

PPM	%TILE
11.640	MAX
6.000	98
5.100	95
4.210	90
3.000	70
2.150	50
0.025	MIN

814 SAMPLES

MANITOBA 1989
PARTS OF NTS
64B,64C

0 20

KILOMETRES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

PH IN LAKE WATERS

	%TILE
8.7 -	- MAX
7.6 -	- 99
7.2 -	- 85
6.7 -	- 50
6.3 -	- 25
4.8 -	- MIN

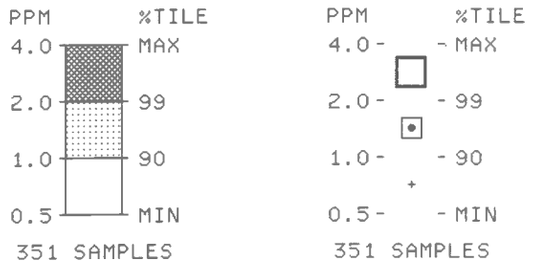
827 SAMPLES

MANITOBA 1989
PARTS OF NTS
64B,64C

0 20

KILOMETRES

SODIUM IN LAKE WATERS



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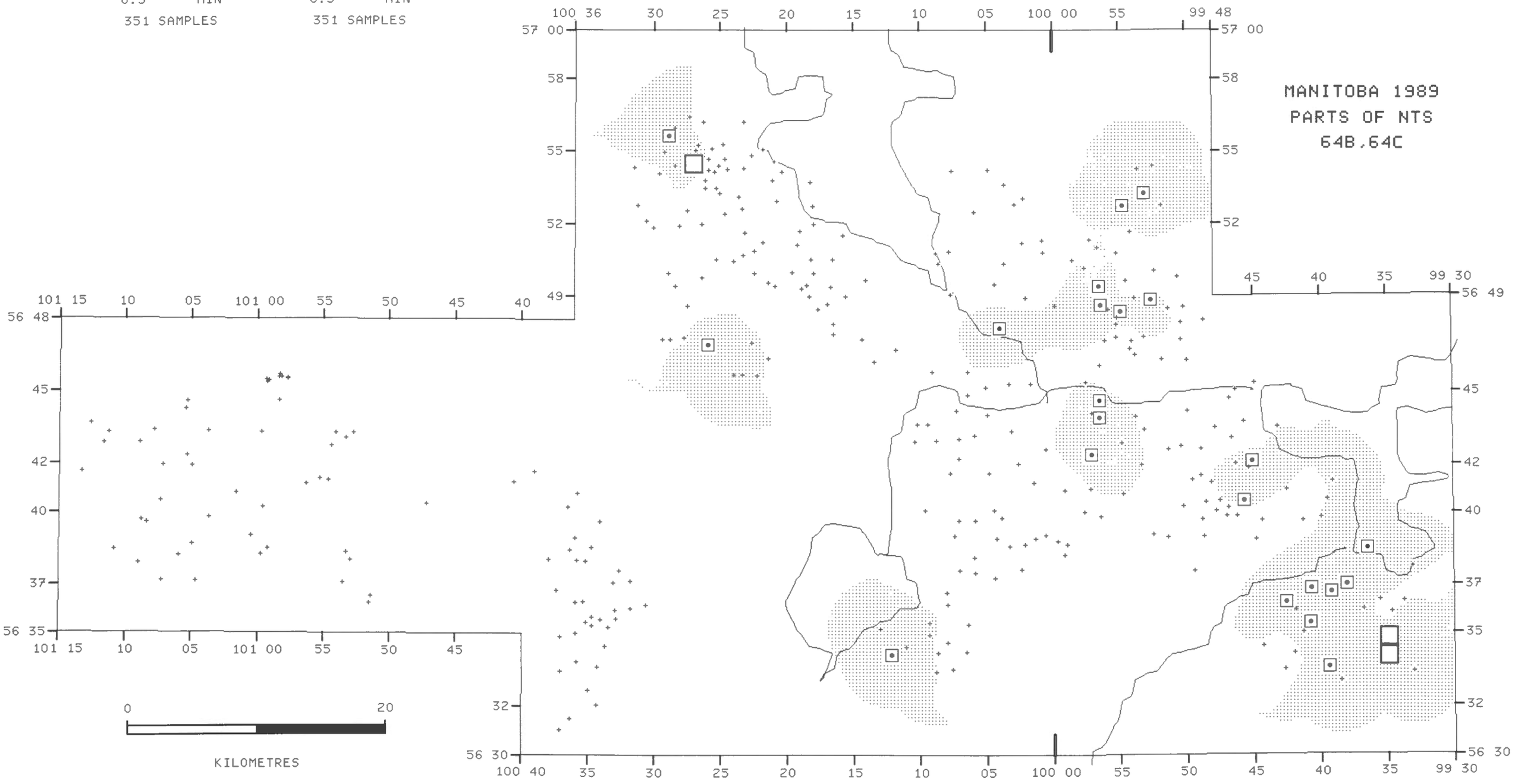
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)

MANITOBA 1989
PARTS OF NTS
64B,64C



STRONTIUM IN LAKE WATERS

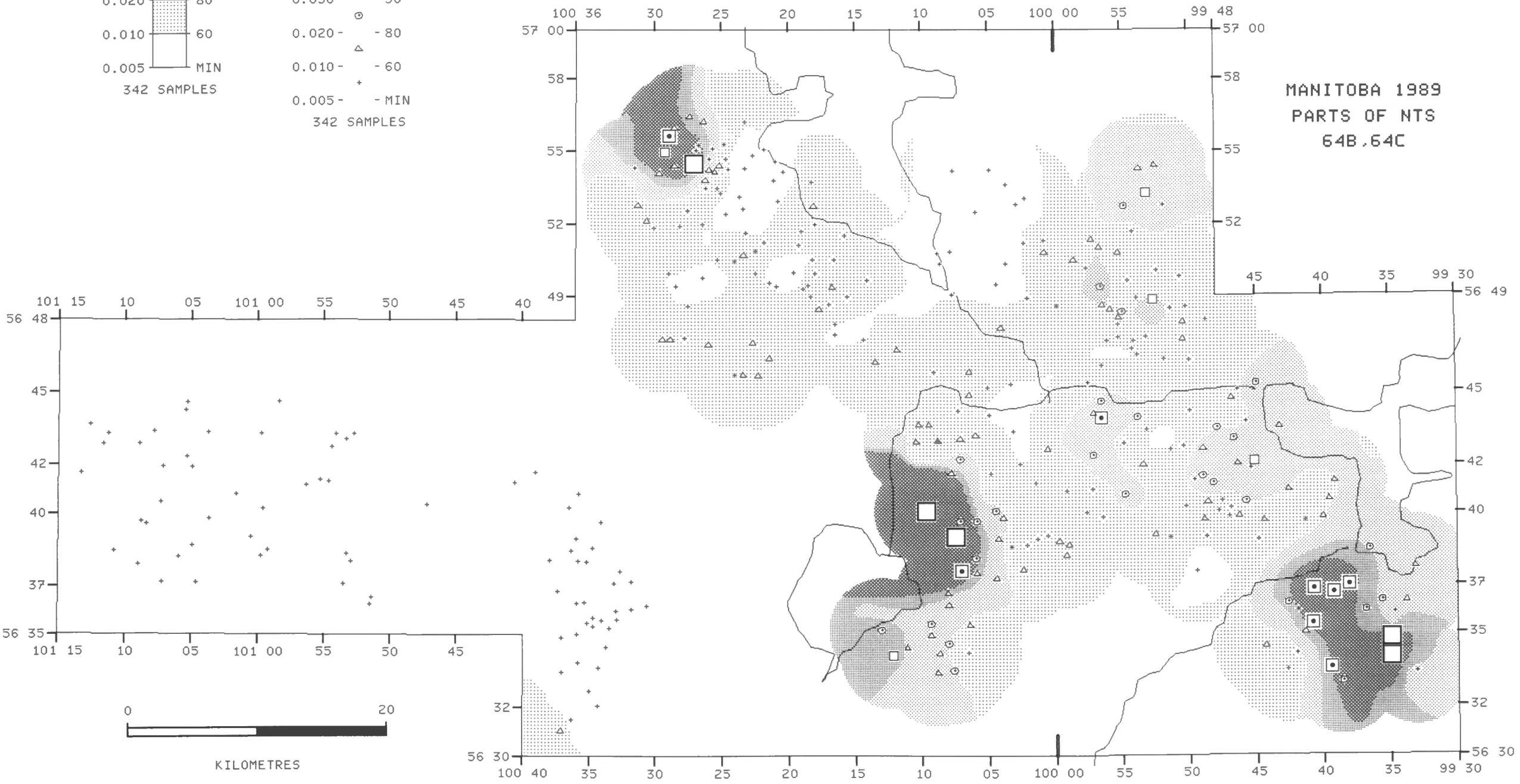
PPM	%TILE
0.480	MAX
0.040	95
0.030	90
0.020	80
0.010	60
0.005	MIN

342 SAMPLES

PPM	%TILE
0.480	MAX
0.070	98
0.040	95
0.030	90
0.020	80
0.010	60
0.005	MIN

342 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C

URANIUM IN LAKE WATERS

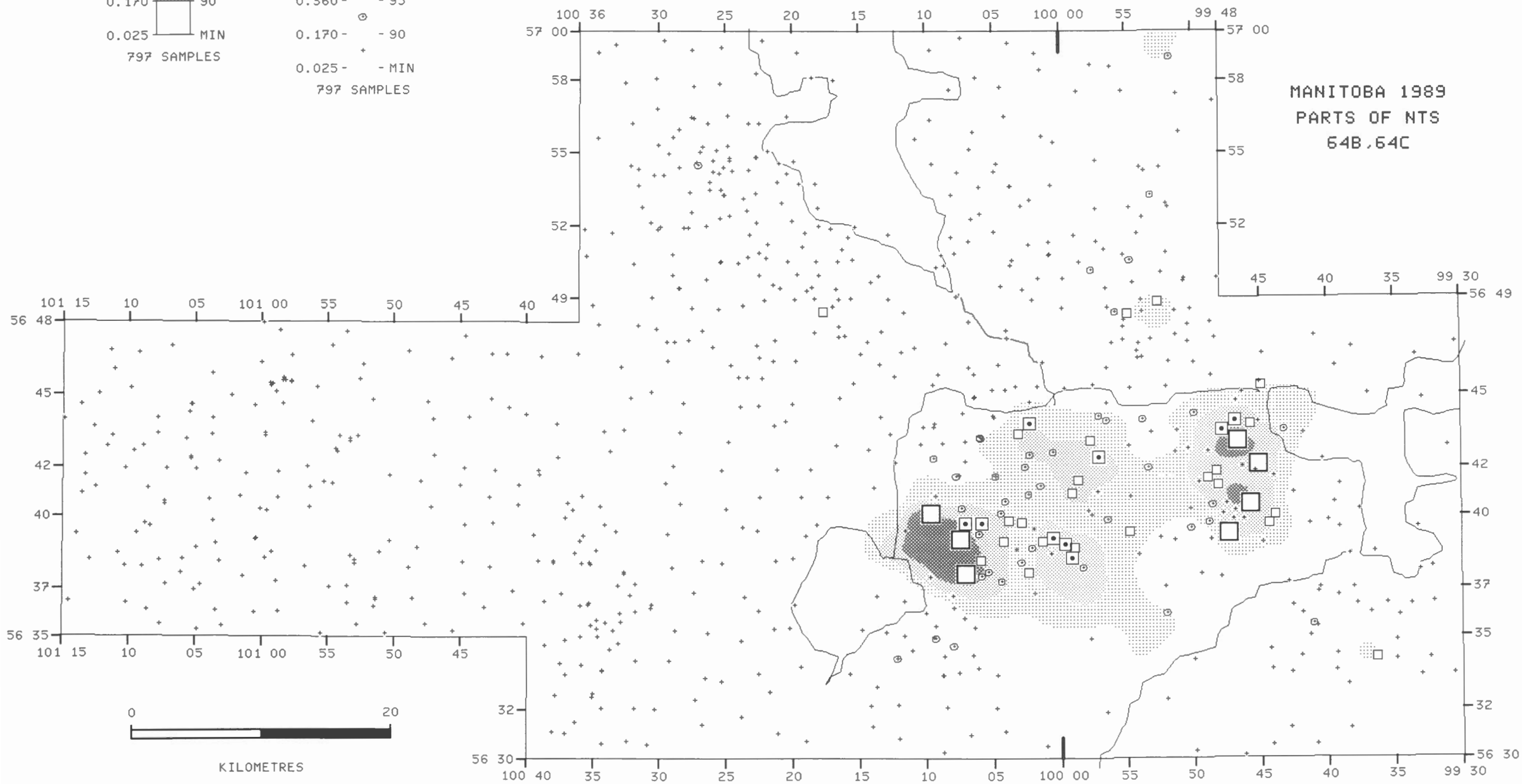
PPB	%TILE
3.200	MAX
0.700	98
0.360	95
0.170	90
0.025	MIN

797 SAMPLES

PPB	%TILE
3.200	MAX
1.200	99
0.700	98
0.360	95
0.170	90
0.025	MIN

797 SAMPLES

GSC OPEN FILE 1959
CANADA - MANITOBA
MINERAL DEVELOPMENT
AGREEMENT (1984-1989)



MANITOBA 1989
PARTS OF NTS
64B,64C