

GEOLOGICAL SURVEY OF CANADA

OPEN FILE 2616

Reconnaissance geochemical data for till samples from the Manitouwadge area, Ontario

Inez M. Kettles

1993



NODA • EDNO



CANADA
ONTARIO

Northern Ontario
Development Agreement

Entente de développement
du nord de l'Ontario

Minerals • Minéraux

Canada

Contribution to Canada-Ontario Subsidiary Agreement on Northern Ontario Development (1991-1995), a subsidiary agreement under the Economic and Regional Development Agreement. Project funded by the Geological Survey of Canada.

Contribution à l'Entente auxiliaire Canada-Ontario de développement du nord de l'Ontario (1991-1995), entente auxiliaire négociée en vertu de l'Entente de développement économique et régional. Ce projet a été financé par la Commission géologique du Canada.

**Geological Survey of Canada
Open File 2616**

**Reconnaissance Geochemical Data for Till Samples from the
Manitouwadge area, Ontario**

This Open File publication consists of two parts:

1) Summary Report including a 19 page manuscript summarizing interpretations of compositional data for till samples; a sample location map covering NTS map sheets 42F/04, 42C/13, 42F/05, 42E/01, 42E/08, 42F/06, and 42E/03; two clear film overlays of bedrock geology and hydrology; the following data bases (i) sample description and location; (ii) geochemical data; and (iii) pebble count data (Appendix A); statistical information for samples (Appendix B); and computer generated proportional symbol maps for selected Paleozoic and Precambrian lithologies in the 5.0-16 mm fraction and selected trace elements in the <63 μ m and <2 μ m fractions of till.

2) Sample description and location, geochemical, and pebble count data bases on 5 1/4 inch and 3 1/2 inch floppy disks (1.4 Meg format). Data are stored as tab delimited ascii (text) files.

TABLE OF CONTENTS

	page
INTRODUCTION.....	4
Location.....	4
Acknowledgements.....	4
BEDROCK GEOLOGY.....	7
GLACIAL GEOLOGY.....	11
FIELD AND LABORATORY METHODS.....	14
DRIFT COMPOSITION.....	15
CONCLUSIONS.....	16
REFERENCES.....	19
APPENDICES.....	22
Appendix A.....	23
A(i) Sample Locations and Descriptions.....	24
A(ii) Trace and Minor Element Data for Clay (<2 µm)	
Fraction of Till and Gravel Samples.....	41
A(iii) Trace and Minor Element Data for Silt plus Clay	
(<63 µm) Fraction of Till and Gravel Samples.....	72
A(iv) Trace and Minor Element Data for Clay (<2µm) and Silt plus	
Clay (<63 µm) Fractions of Duplicate Till Samples.....	101
A(v) Pebble ((5.0-16.0 mm) Lithology Data for Till and	
Gravel Samples.....	107
Appendix B.....	115
B(i) Summary Statistics for Geochemical and Pebble Count	
Data for Representative Till and Gravel Samples.....	116
B(ii) Scattergrams of First Run and Blind Duplicate	
Analytical Data for Till Samples.....	122
B(iii) Correlation Matrix for Trace and Minor Element Data	
and Pebble Count Data for Representative Till	
and Gravel Samples.....	136
Appendix C.....	152
Maps Showing the Distribution of Trace and Minor Elements and of	
Clasts of Selected Precambrian Lithologies in Till.....	153

FIGURES

1. Location of study area.....	5
2. Location of 1991 samples.....	in pocket
3. Lakes and streams in the Manitouwadge area.....	6, in pocket
4. Bedrock geology of the Manitouwadge area.....	8, in pocket
5. Locations of mineral occurrences in the Manitouwadge area.....	9
6. Surficial geology of the Manitouwadge area.....	12
7. Striation map for the Manitouwadge area.....	13

TABLE

1. Description of mineral occurrences; accompanies Fig. 5.....	10
--	----

INTRODUCTION

In 1991, the Geological Survey of Canada began a reconnaissance till sampling survey in the Manitouwadge area, Ontario (Fig. 1, 2). The program is part of the Northern Ontario Development Agreement (NODA) programme designed to aid and stimulate mineral exploration activities in the region. Two hundred and eighty-three till samples and 18 gravel samples were collected and analyzed for the content of trace and minor elements in the clay (<0.002 mm) and silt plus clay (<0.063 mm) fractions, and the relative proportion of various rock types of the pebble fraction (5.6-16.0 mm). An additional 375 samples, collected in 1992 in the above region and in the Hornepayne area, are currently being analyzed. Other aspects of the NODA project in the Manitouwadge area include Precambrian bedrock mapping (Zaleski and Peterson, 1993) and investigation of new and known mineral deposits (McKay, in prep.).

The Geological Survey of Canada had previously carried out a sampling survey of modern lake bottom sediments and lake waters around the north shore of Lake Superior, including the Manitouwadge area, in 1978 and 1979 (Geological Survey of Canada Open Files 506 and 555). Samples were reanalyzed in 1990 (Friske et al. 1991a, 1991b).

Location

The study area, located north of Lake Superior, covers approximately 4500 sq. km. and all or parts of the following 1:50,000 National Topographic System (NTS) map sheets - 42F/04, 42C/13, 42F/05, 42E/01, 42E/08, 42F/06, and 42E/03 (Fig. 1, 2, 3). The area sampled was accessed by a well-developed network of logging roads. The town of Manitouwadge is found in the centre of the region. It exists primarily as a service centre for the Geco Mine, a major producer of Cu, Zn, Au, and Ag - in the area.

Acknowledgments

The author wishes to thank the following: K. Laurus for her able assistance in the field and for carrying out pebble counts in 1991; D. B. McKay for helpful advice, the staff of the geology department of Noranda Geco mine for helpful discussions; S. Bauke for

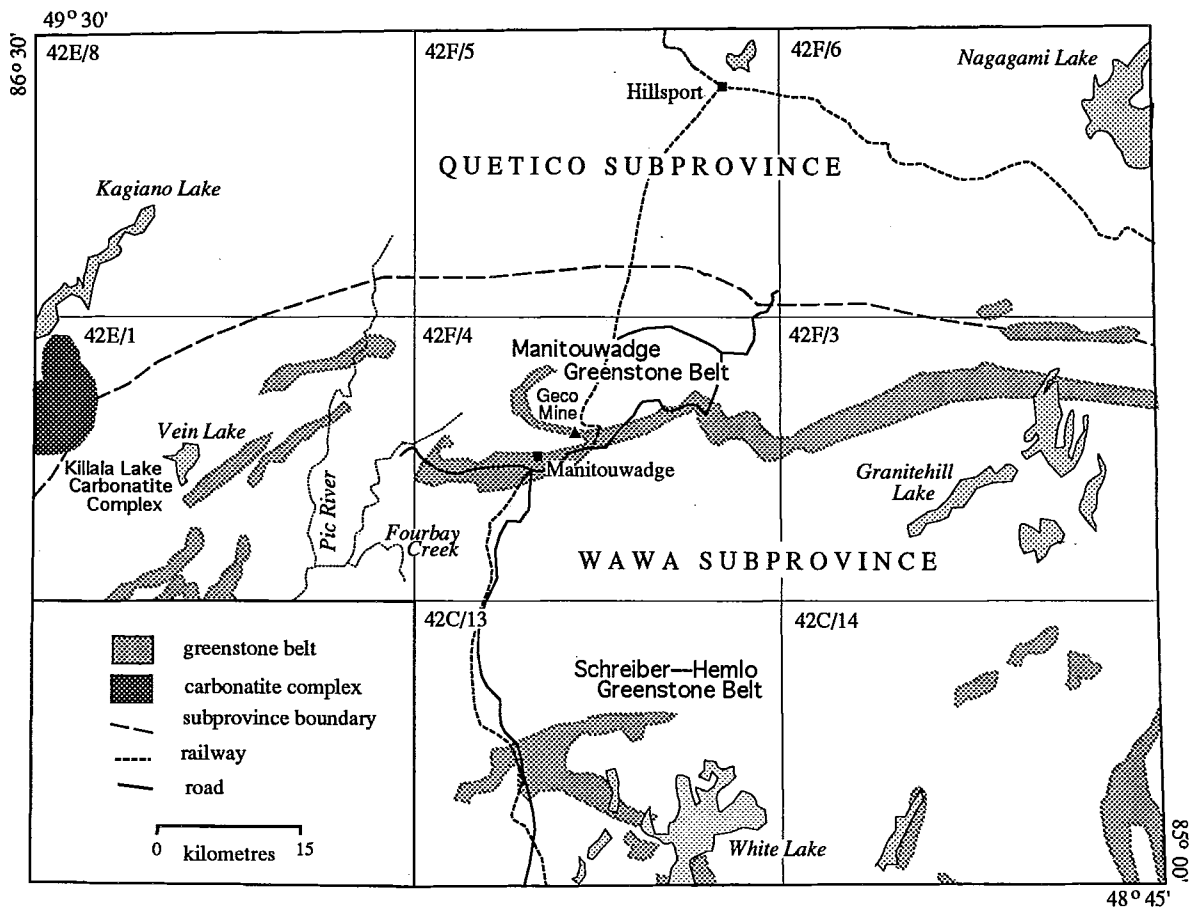


Figure 1. Study area, Manitouwadge, Ontario.

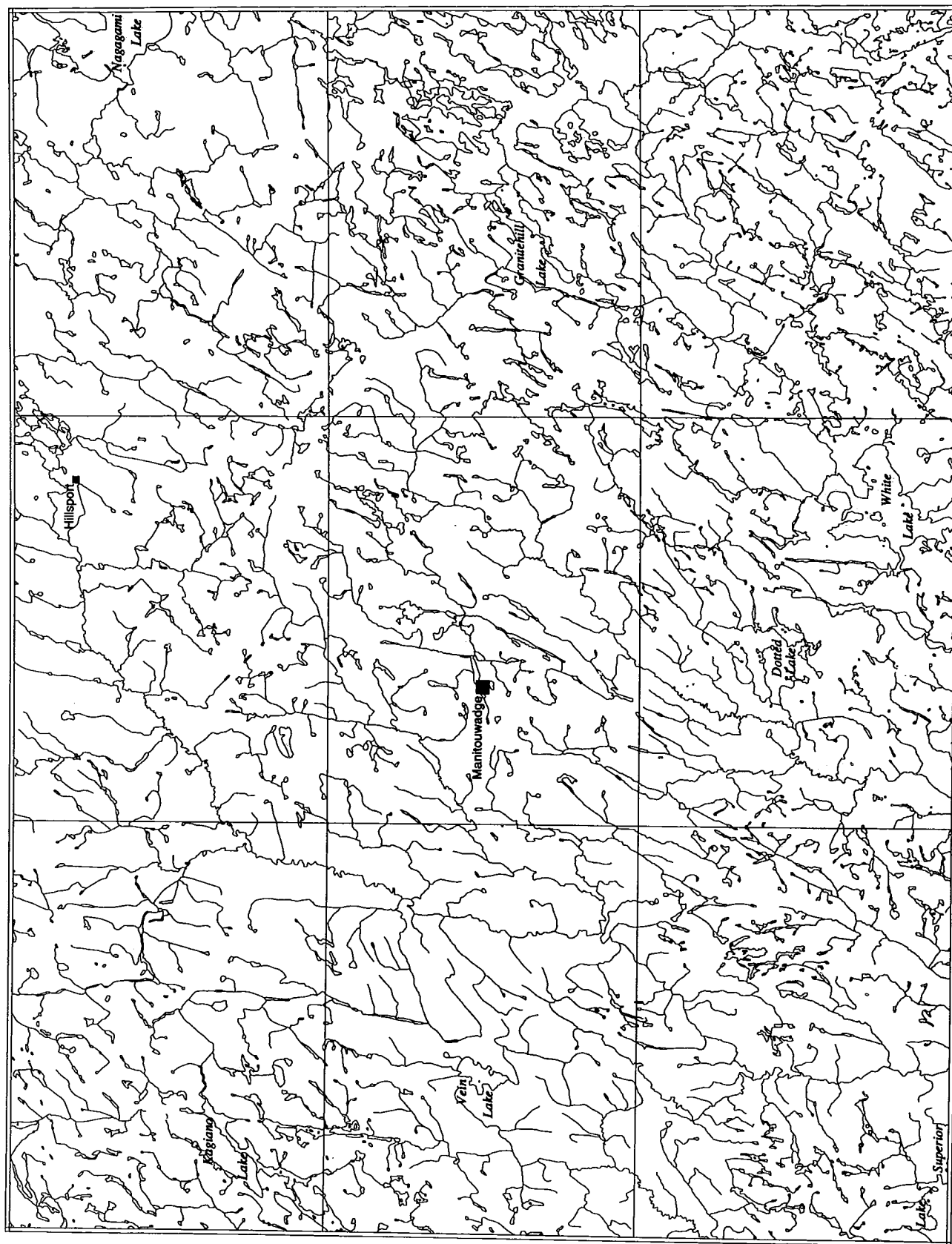


Figure 3. Lakes and streams of the Manitowadge area

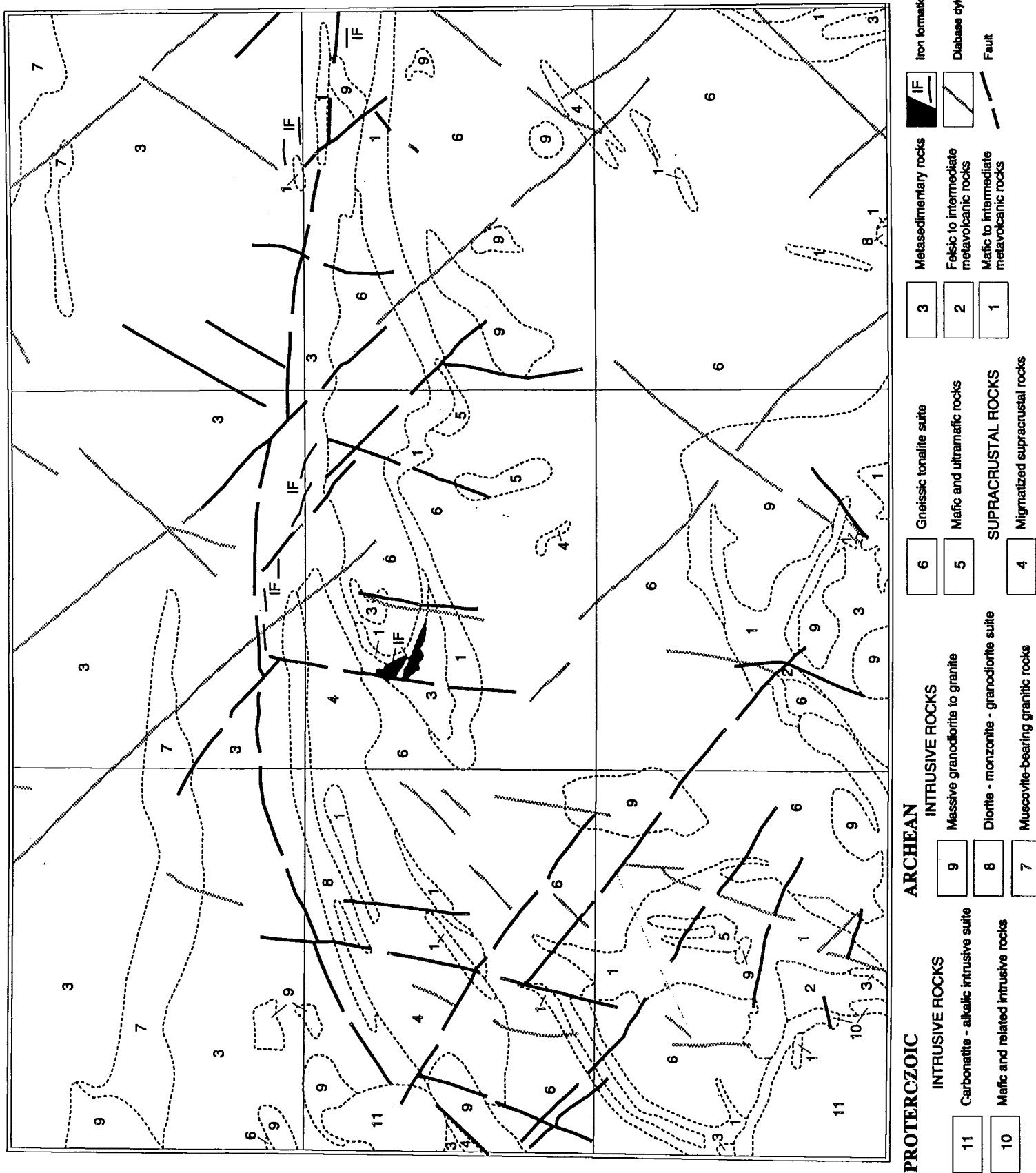


Figure 4. Bedrock geology of the Manitouwadge area, after Ontario Geological Survey (1991).

assistance with data compilation; Northwood Geoscience for plotting the proportional symbol maps; D. Pare at Consorminex for carrying out pebble counts; P. Lindsay for coordinating the laboratory work carried out on the 1991 till samples; Tony Osmond for aiding with sample collection; and the staff of the Manitouwadge Motor Hotel for their generosity in providing me with sample storage facilities.

BEDROCK GEOLOGY

Most recent bedrock mapping at a regional scale was undertaken in the Manitouwadge area by Williams and Breaks (1990) and in the White Lake region by Siragusa (1985) and Milne (1968). Reports based on these and other studies have been used to compile a map of the geology of Ontario at a scale of 1:1 000 000 (Geological Survey of Canada, 1991), a simplified version of which is given in Figure 4. Figure 5 and Table 1 show the mineral occurrences in the area (D.B. McKay, in prep). The following summary of the bedrock geology is based on these compilations and reports.

Most of the study area is underlain by Archean greenstone belts and granitoid plutons of the Wawa subprovince of the Canadian Shield (Williams et al., 1991). The Manitouwadge greenstone belt lies within a highly deformed remnant of supracrustal rocks near the boundary between the Quetico and Wawa subprovinces. It includes mafic and felsic volcanic and volcanoclastic rocks, metasomatically altered rocks, and iron formation. The Geco mine, a huge Cu-Zinc deposit, is located within the Manitouwadge greenstone belt (Fig. 1, Fig. 5). Part of the Schreiber-Hemlo greenstone belt underlies the southern part of the study region. This belt includes mafic metavolcanic rocks and intermediate to felsic metavolcanic units. South of the study area, the Schreiber-Hemlo greenstone belt is host to the Hemlo gold deposits.

The northern part of the study region is underlain by bedrock of the Quetico subprovince. It is composed primarily of metamorphosed wackes and siltstones with

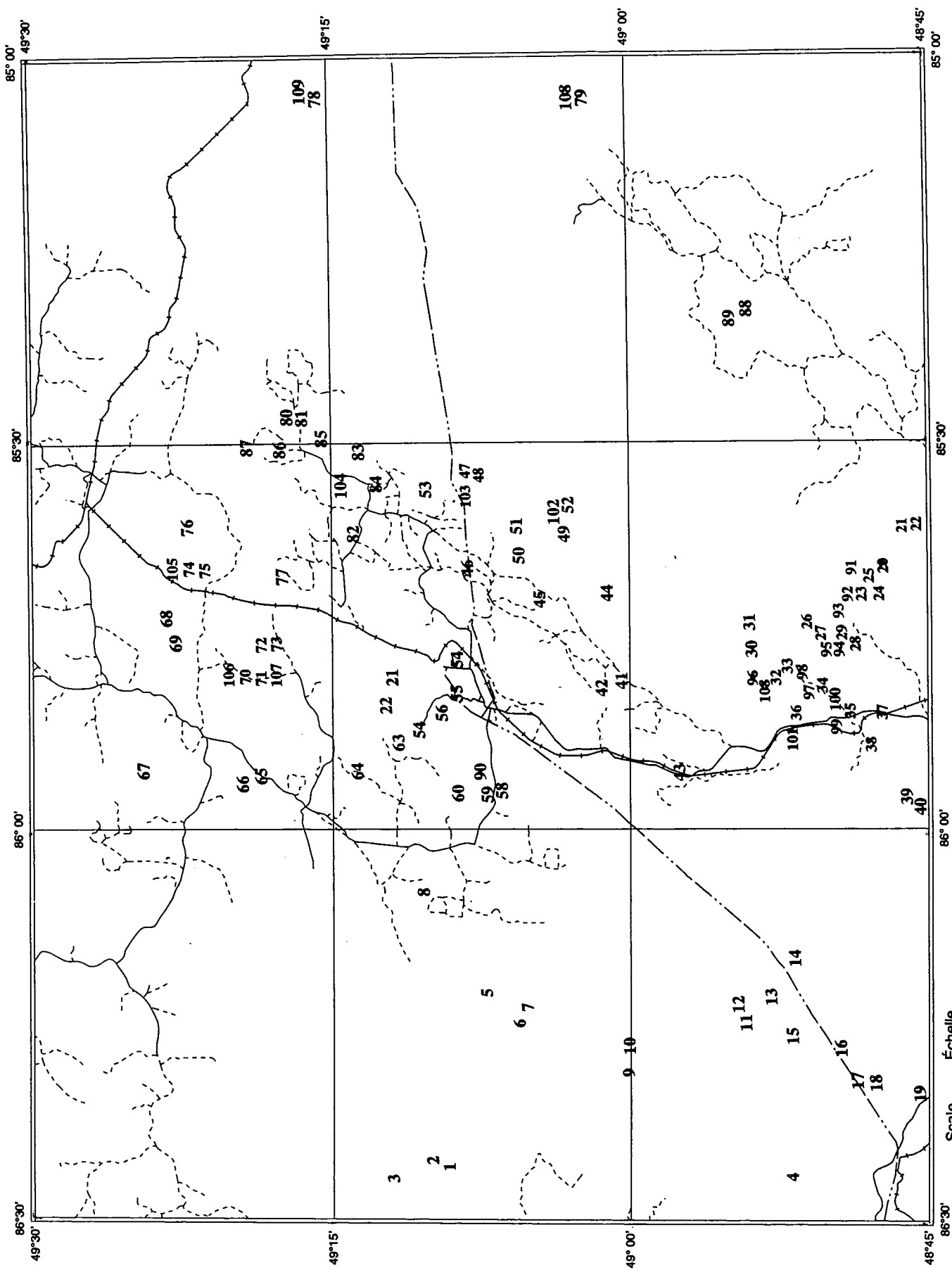


Figure 5. Mineral occurrences in the Manitouwadge area, after McKay (in prep.)

Scale Échelle
Miles 5 0 5
Kilometres 5 0 5 10

Table 1. Description of mineral occurrences; accompanies Figure 5.

No.	Occurrence	No.	Occurrence	No.	Occurrence
1	Ni	37	sulphides	73	sulphides
2	Cu, Au	38	sulphides	74	Au, base metals
3	Nb	39	Pb, Zn	75	sulphides
4	U	40	Pb, Zn	76	sulphides
5	Cu	41	sulphides, Mo	77	sulphides
6	Cu, Zn	42	Au	78	sulphides
7	sulphides	43	sulphides	79	sulphides
8	sulphides	44	sulphides	80	sulphides, Au
9	Au	45	Cu	81	sulphides
10	Cu	46	sulphides	82	Cu
11	sulphides	47	Cu, Ni, PGE	83	Cu, Zn
12	Cu, Ni, sulphides	48	sulphides	84	sulphides
13	Cu, Ni, sulphides	49	sulphides	85	sulphides
14	Cu	50	sulphides	86	sulphides
15	sulphides	51	Cu	87	sulphides
16	Au, Zn	52	sulphides, Cu	88	Cu, Ni, PGE
17	Fe, Cu	53	sulphides	89	Au, base metals
18	Cu, Fe	54	Cu, Zn, Ag, Au, Pb, Cd * 1	90	sulphides
19	Cu	55	Zn, Cu, Ag, Pb * 2	91	Zn, Cu, Au
20	Zn	56	Zn, Cu, Ag, Pb * 3	92	Zn, Cu, Au
21	Zn	57	Zn, Cu, Ag, Pb * 4	93	sulphides
22	Au, base metals	58	Cu, Zn, Au	94	Zn
23	Zn, Cu, Au	59	sulphides, Au	95	Au
24	Au	60	base metals	96	Cu, Zn
25	Cu	61	Cu, Zn	97	Cu, Pb, Zn
26	Cu	62	sulphides	98	sulphides
27	Cu	63	sulphides	99	Au, Cu, Zn
28	Au	64	sulphides	100	sulphides
29	Zn, Au	65	sulphides	101	Cu, Zn
30	Zn	66	sulphides	102	sulphides
31	Cu, Zn	67	Cu	103	sulphides
32	base metals	68	Cu, sulphides	104	sulphides
33	sulphides	69	U	105	sulphides
34	Cu, Ni	70	Cu, sulphides	106	sulphides
35	Au	71	Cu, sulphides	107	sulphides
36	Au, Zn	72	Au, Cu	108	Cu, Zn

1* Geco - present producer

2* Willroy - past producer

3* Big Nama - past producer

4* Willecho - past producer

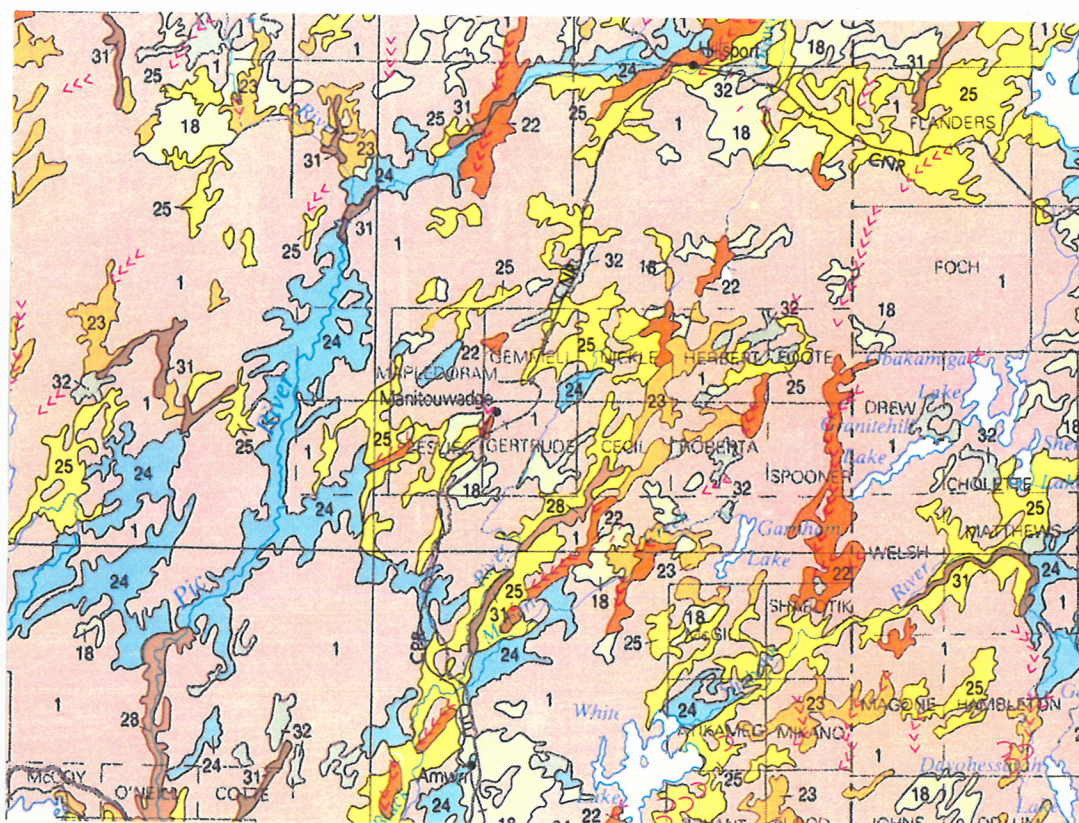
minor amounts of iron formation, conglomerate and metasedimentary rocks of ultramafic composition (Williams, 1991).

GLACIAL GEOLOGY

Detailed mapping of surficial deposits was undertaken in the Manitouwadge and White Lake regions by Kristjansson and Geddes (1986) and Geddes and Bajc (1985). As part of this study, surficial deposits are being mapped in the adjoining Vein Lake area (42E/01) at a scale of 1:50 000. This is an extension of the mapping work undertaken by the Ontario Geological Survey. The summary presented below is based on the above surveys. Figure 6 is a generalized map of glacial geology of the region, adapted from Barnett et al. (1991).

All glacial deposits are thought to have been deposited during the Late Wisconsin. Crosscutting relationships of striae indicate that the earliest ice flow direction was southerly while the latest ice flow was southwestwards. During this study, four striae directions (190° (oldest), $205-210^{\circ}$, 235° , and 245° (youngest)) were observed at one site east of the Pic River (Fig. 7). As the ice receded, the area was inundated by a glacial lake (post-Lake Minong) which occupied the Superior basin and followed the ice front as it retreated northward (Farrand and Drexler, 1985; Kristjansson and Geddes, 1986).

The most widespread glacial deposit is till. In most areas it forms a thin, discontinuous blanket up to 1.5 m thick, although in places it may exceed 10 m in thickness. Where deposits are thin, the till tends to be loose and sandy; where thick, it is generally massive and silty. Most till contains varying concentrations of Paleozoic carbonate debris indicative of glacial transport of over 100 km south-southwestward from the nearest outcrop in the Hudson Bay or James Bay lowland. Where till deposits are thick, concentrations of Paleozoic carbonate are generally high.



QUATERNARY

RECENT

- 32** **Organic deposits:** peat, muck and marl
- 31** **Fluvial deposits:** gravel, sand, silt and clay; deposited on modern flood plains
- 30** **Lacustrine deposits:** sand, gravelly sand and gravel; nearshore and beach deposits
- 29** **Lacustrine deposits:** silt and clay; basin or quiet water deposits

PLEISTOCENE

- 28** **Fluvial deposits:** gravel, sand, silt and clay; deposited on abandoned flood plains, terrace remnants
- 27** **Glaciomarine and marine deposits:** sand, gravelly sand and gravel; nearshore and beach deposits
- 26** **Glaciomarine and marine deposits:** silt and clay; basin and quiet water deposits
- 25** **Glaciolacustrine deposits:** sand, gravelly sand and gravel; nearshore and beach deposits

- 24** **Glaciolacustrine deposits:** silt and clay, minor sand; basin and quiet water deposits
- 23** **Glaciofluvial outwash deposits:** gravel and sand; includes proglacial river and deltaic deposits
- 22** **Glaciofluvial ice-contact deposits:** gravel and sand; minor till; includes esker, kame, end moraine, ice-marginal delta and subaqueous fan deposits

- 21** **Till:** undifferentiated, fine grained, predominantly silty clay to silt matrix, commonly clast poor, high matrix carbonate content

- 18** **Till:** undifferentiated, predominantly sand to silty sand matrix, high content of clasts,

PRECAMBRIAN

- 1** **Bedrock:** undifferentiated igneous and metamorphic rock, exposed at surface or covered by a discontinuous, thin layer of drift

Figure 6. Glacial geology of the Manitowadge area, after Barnett et al., 1991.

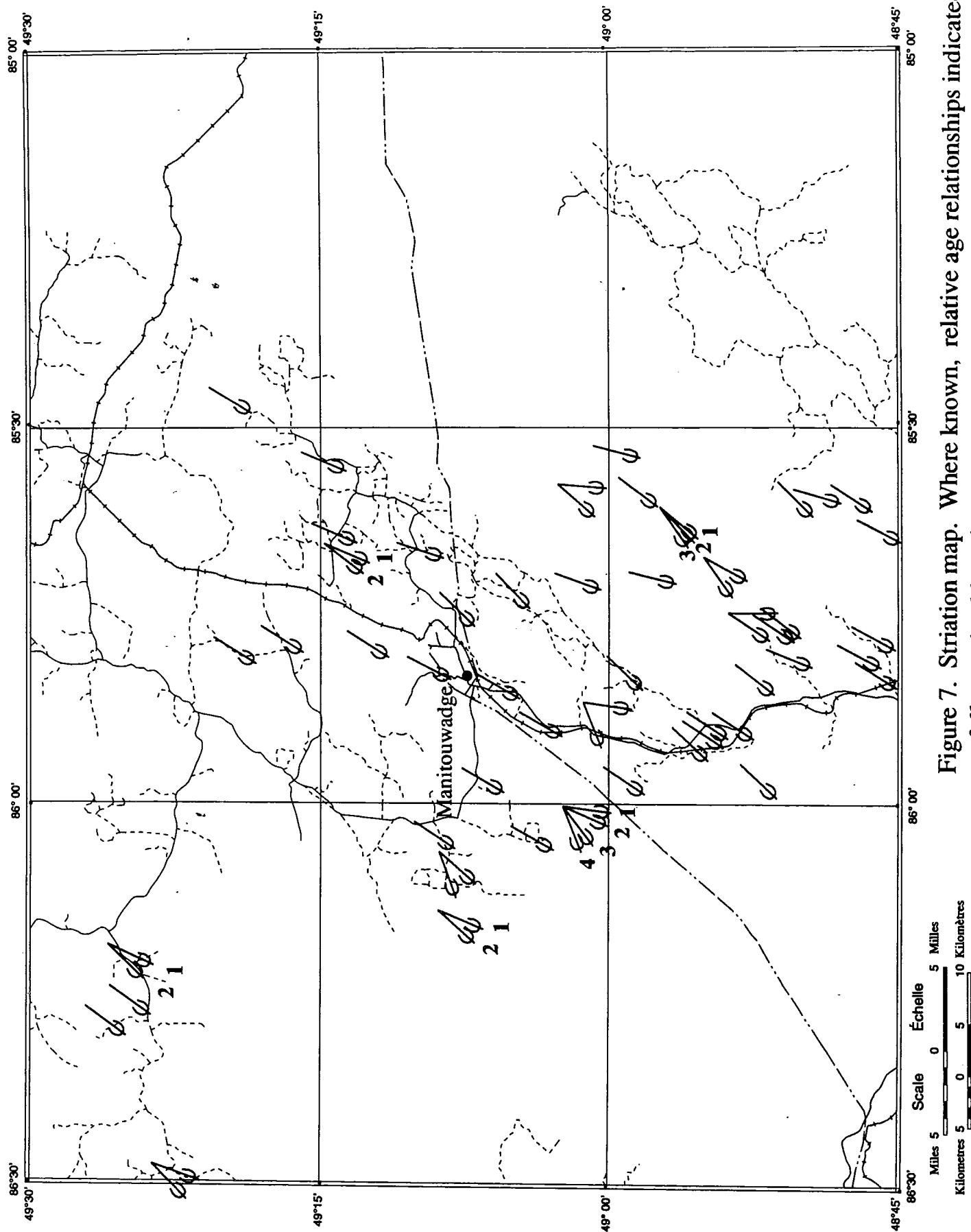


Figure 7. Striation map. Where known, relative age relationships indicated as follows: 1=oldest; 4= youngest.

Also common in the study area are glaciofluvial ice-contact and outwash deposits. These are composed of sand and gravel and take the form of eskers, kame terraces, and outwash plains. Outwash deposits are common in the region east of Manitouwadge in low lying areas above the maximum level of glacial lake incursion (Kristjansson and Geddes, 1986). In depressions below this level, glaciolacustrine deposits consisting of sand, silt, and clay are widespread. In the Manitouwadge area, these sediments may be found at elevations as high as 325 m a.s.l. (R. Geddes, 1987, unpublished report).

Aeolian deposits, composed predominantly of fine sand, are found at scattered locations. These deposits commonly take the form of dunes and occur in areas where outwash or glaciolacustrine sediments predominate. Alluvium, consisting of sand, silt and organic debris, is well developed along major rivers and streams. Deposits of peat and organic muck are also common, particularly in areas underlain by fine-grained glaciolacustrine sediments.

FIELD AND LABORATORY METHODS

Till samples were collected from hand-dug holes, usually one or more metres deep, along or adjacent to roads and trails crossing the area. Care was taken to sample till that was as unweathered as possible, with samples being collected below the level of the modern solum. In the best exposures, multiple samples were collected in profile through both weathered and unweathered materials.

Pebbles (5.0-16.0 mm) were separated from most samples for lithological analysis. On average, 230 clasts were examined from each sample ; the clasts were grouped into the following 6 classes and relative percentages calculated: 1) Paleozoic limestones and dolomites; (2) Paleozoic sandstones and siltstones; 3) Proterozoic greywackes and argillites (these clasts are characteristic of the Omarolluk Formation which outcrops in the Belcher Island Fold Belt and Sutton Inlier, described, for example, by Ricketts and Donaldson, 1981; 4) Precambrian metasediments of uncertain provenance; 5)

Precambrian intrusive and high grade metamorphic, i.e. coarsely crystalline, clasts; and
6) Precambrian metavolcanic rock, undifferentiated.

The silt plus clay (<0.063 mm) fraction was obtained by dry sieving, and the clay (<0.002 mm) fraction by dry sieving and centrifugation. The two fractions were analyzed at Bondar-Clegg Ltd. for the following 28 trace and minor elements - Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, La, Mg, Mn, Mo, Na, Ni, Pb, Sb, Sc, Sr, Sn, Te, V, W, Y, A and Zn - by Inductively Coupled Plasma and Atomic Emission Spectroscopy (ICP-AES) after use of a nitric acid-aqua regia partial extraction. The <0.063 mm fraction was further analyzed for Au, Pt, and Pd by fire assay and Direct Current Plasma (DCP) spectroscopy.

DRIFT COMPOSITION

Sample locations, description, geochemical and pebble lithology data for more than 275 till and 18 gravel samples and geochemical data for 35 duplicate till and standard samples are listed and explained in Appendix A. For a number of elements, notably molybdenum and cadmium, reproducibility of analytical data was only fair. (See data lists and scattergrams for blind duplicate till samples in Appendices A and B (ii), respectively.) As a result, these data should be used with some caution.

Statistical information has been generated for representative samples from all sites (Appendix B (i)) using the Statview software program for Macintosh computers. Appendix B also contains scattergrams showing results of first run trace element data versus second run data for blind duplicate samples, and a correlation matrix for trace element and pebble lithology data for all representative samples.

Maps showing the following regional distribution patterns in till: (1) selected trace elements in the <0.002 mm fraction; (2) selected trace elements in <0.063 mm fraction; and (3) Paleozoic sedimentary and selected Precambrian lithologies in the 5.6-16.0 mm fraction, are found in Appendix C. Frequency histograms and normal probability curves for geochemical and pebble count data are also included. Clear

plastic overlays of hydrology (Fig. 3) and bedrock geology (Fig. 4) are included to aid with interpretation and location of results. The bedrock geology shown in Figure 4 is based on a recent regional compilation (Ontario Geological Survey, 1991) while the bedrock types listed for samples in Appendix A(i) were obtained using detailed maps (Williams and Breaks, 1990; Milne, 1968).

The frequency distribution and dispersal patterns of pebbles in till samples from the Manitouwadge area was studied to gain knowledge of the relationships of glacial flow to variations in composition (Appendix C). Two major bedrock terranes are represented by clasts in the tills of this region: 1) local Precambrian units and 2) Paleozoic and Proterozoic terranes of the Hudson Bay and James Bay Lowlands. Clasts derived from the Paleozoic and Proterozoic terranes were glacially transported at least 100 km and may significantly dilute the local debris.

The pebble fraction of more than 95% of the 285 till samples collected contained at least 5% Paleozoic carbonate. The frequency histogram for Paleozoic carbonate clasts (Appendix C) shows that Paleozoic clast frequencies are distinctly bimodal, falling into two broad groups, those with less than 35% Paleozoic carbonate and those with more. In addition, over 60% of the samples contained more than 10% clasts of Proterozoic metasedimentary rock. In contrast, highest concentrations of local Archean bedrock lithologies were found in till overlying or close to their outcrop areas.

Where there are high concentrations of Paleozoic carbonate in till, the geochemical signature of the fine fraction of till tends to be suppressed (See correlation matrix, Appendix B(iii); Kaszycki, 1989). Unmetamorphosed carbonate bedrock is known to have low trace element concentrations (Mason, 1962, Table 6.5).

Despite the effects of dilution from exotic debris, the distribution patterns of trace and minor elements in drift may be related in many cases to bedrock composition. High elemental concentrations in till in some areas may reflect high background levels in

bedrock. For example, background levels of platinum in till are higher in Quetico terrane than in Wawa terrane.

In other areas, high trace element levels in drift may reflect mineralized occurrences in the underlying or nearby bedrock. In Wawa terrane, highest levels of copper, zinc, lead, silver, gold, palladium, cadmium, and arsenic are found in samples collected from till overlying the mafic to intermediate rocks of the Manitouwadge greenstone belt, particularly in the vicinity of the Geco and Willroy copper-zinc deposits, and, also, overlying the Hemlo-Schrieber greenstone belt west of White Lake. Elsewhere, there are high levels of gold in till in the Fourbay Creek area. High concentrations of cobalt, chromium, nickel, and vanadium in till are found here and there in the study area associated with a number of different rock types. Till is especially enriched in nickel and also in cobalt and chromium in the Swill Lake area and in chromium near the Geco mine.

Another major factor which influences the geochemical signature of surface till in any region is surface weathering. In this study, the effects of weathering on composition have been minimized by sampling till below the postglacial solum. As a result, regional patterns of trace element and Paleozoic and Precambrian clasts or trace elements in drift are not significantly altered by compositional variation caused by weathering.

CONCLUSIONS

Results of the sampling survey show that variations in till composition may, in many cases, be related to both the effects of glacial transport and the composition of underlying or nearby bedrock. In many areas, the till contains a large component of debris derived from Paleozoic sedimentary bedrock and glacially transported more than 100 km from the Hudson and James Bay lowland. Where present in large quantities, this exotic material tends to suppress the geochemical signature of the fine fraction of till.

Despite the effects of dilution by exotic debris, the signature of mineralized bedrock does stand out in till in many cases. As would be expected, very high concentrations of copper, zinc, and other elements are found in till overlying and down ice from the Geco and other now abandoned mines in the Manitouwadge area. Elsewhere, as shown on the trace element distribution maps, there are high levels of copper, zinc, and other elements in till in some areas underlain by bedrock of the Manitouwadge and Schreiber-Hemlo greenstone belts. Follow-up mineral exploration work in these areas may prove worthwhile. High levels of gold were found in till in the Fourbay Creek area. Additional till samples, collected in this region in 1992, are presently undergoing analysis.

High levels of trace elements in till may also reflect high background levels of trace elements in the underlying bedrock. For example, background levels of base metals are generally high in till overlying greenstone terrane. Also results of this study show that platinum levels are generally elevated in Quetico terrane compared to Wawa terrane.

REFERENCES

Barnett, P.J., Henry, A.P., and Babuin, D.

1991: Quaternary geology of Ontario, east central sheet; Ontario Geological Survey, Map, 2555.

Farrand, W.R. and Drexler, C.W.

1985: Late Wisconsinan and Holocene History of the Lake Superior Basin, in Quaternary Evolution of the Great Lakes, (eds.) P.F. Karrow and P.E. Calkin, Special Paper 30, p. 17-32.

Friske, P.W.B., Hornbrook, E.H.W., Lynch, J.J., McCurdy, M.W., Gross, H., Galletta, A.C., and Durham, C.C.

1991a: Regional lake sediment and water geochemical reconnaissance data, Northwestern Ontario, (NTS 42D, 42E South), Geological Survey of Canada Open File 2360.

1991b: Regional lake sediment and water geochemical reconnaissance data, Northwestern Ontario, (NTS 42C, 42F South), Geological Survey of Canada Open File 2362.

Geological Survey of Canada

1978: Regional lake sediment and water geochemical reconnaissance data, Ontario 1977, NTS 42D, 42E (S 1/2); Geological Survey of Canada, Open File 506.

1979: Regional lake sediment and water geochemical reconnaissance data, Ontario 1978, NTS 42C, 42F (S1/2); Geological Survey of Canada, Open File 555.

Geddes, R.S. and Bajc, A.F.

1985: Quaternary geology of the White Lake (Hemlo area), District of Thunder Bay, Ontario Geological Survey, Map P. 2849, Scale 1: 50, 000.

Kaszycki, C.A.

1989: Surficial geology and till composition, northwestern Manitoba; Geological Survey of Canada, Open File 2118, 150 p.

Kristjansson, F.J. and Geddes, R.S.

1986: Quaternary geology of the Manitouwadge area, District of Thunder Bay; Ontario Geological Survey, Map P. 3055, Scale 1: 50, 000.

Mason, B.

1966: Principles of geochemistry; Wiley, New York; 329 p.

McKay, D.B.

(in prep.): Mineral Occurrences prospects and mines in the Manitouwadge area, Ontario Geological Survey, Open File Report.

Milne, V.G.

1968: Geology of Black River area; Ontario Department of Mines. Geological Report 72, 66p.

Ontario Geological Survey

1991: Bedrock geology of Ontario, east-central sheet; Ontario Geological Survey, Map 2534.

Siragusa, G.M.

1985: Precambrian geology of the White Lake area. Theresa Lake section, District of Thunder bay; Ontario Geological Survey Map P. 2738, scale 1: 15, 840.

Williams, H.R.

1991: Quetico Subprovince; in Geology of Ontario; (eds.) Thurston, P. C., Williams, H.R., Sutcliffe, R.H., and Stott, G.M., Ontario Geological Survey, Special Volume 4, Pt. 1, p. 383-404.

Williams, H.R. and Breaks, F.W.

1990: Geology of the Manitouwadge-Hornpayne area; Ontario Geological Survey, Open File Map 142, scale 1: 50, 000.

Williams, H.R., Stott, G.M., Heather, K.B., Muir, T.L. and Sage, R.P.

1991: Wawa Subprovince; in Geology of Ontario, Ontario Geological Survey,
Special Volume 4, Part 1, p. 485-539.

Zaleski, E. and Peterson, V.L.

1993: Lithotectonic setting of mineralization in the Manitouwadge greenstone
belt, Ontario; Preliminary results; Geological Survey of Canada, Paper 93-
1C, p. 307-317.

APPENDICES

APPENDIX A

- A (i) Sample Locations and Descriptions
- A (ii) Trace and Minor Element Data for Clay ($< 2 \mu\text{m}$) Fraction of Till and Gravel Samples
- A (iii) Trace and Minor Element Data for Silt plus Clay ($< 63 \mu\text{m}$) Fraction of Till and Gravel Samples
- A (iv) Trace and Minor Element Data for Clay ($< 2 \mu\text{m}$) and Silt plus Clay ($< 63 \mu\text{m}$) Fractions of Duplicate Till Samples
- A (v) Pebble Lithology Data for 5.6-16 mm Fraction of Till and Gravel Samples

A (i) Sample Locations and Descriptions

Explanation

Sample No.	Sample number
Sed. Type	Sediment type of sample
Plot	1 - sample representative of sediment at site 0 - sample less representative of sediment at site
Zone	UTM grid zone
Easting (m)	UTM easting (metres)
Northing (m)	UTM northing (metres)
Lat. (deg)	Latitude (degrees)
Long. (deg)	Longitude (degrees)
NTS Map	National Topographic System 1:50,000 map sheets
Field Colour	Sediment colour noted in field
Lab Colour	Sediment colour measured in laboratory using a Munsell colour chart
Rock type	Lithology of underlying bedrock. See rock type key next page.
Rock Refer.	Source of bedrock lithology information
Ox. State	Oxidation state of the sediment
Depth	Depth of sample, measured from ground surface
Description	Description of sediment and/or site

Milne (1968)

Archean late silicic plutonic rocks

- 7 undifferentiated*
- 7a biotite leucogranodiorite*
- 6a hornblende-biotite granodiorite and quartz monzonite*

Archean early silicic plutonic rocks

- 5 undifferentiated*

Archean metasediments

- 3a conglomerate and greywacke*
- 3c biotite-quartz feldspar paragneiss*

Archean intermediate to silicic metavolcanics, pyroclastic rocks, and metasediments

- 2g agglomerate, tuff, greywacke*

Archean mafic to intermediate metavolcanics

- 1a medium- to fine-grained, massive and gneissic amphibolite*
- 1b medium- to coarse-grained, massive and gneissic amphibolite*
- 1d pillow lava*

William and Breaks (1990)

Proterozoic mafic intrusive rocks

- 7 undifferentiated*
- 7a diabase dykes, non-porphyritic*

Archean granodioritic to granitic rocks

- 6 undifferentiated*
- 6a undeformed and deformed granitoid masses associated with the tonalite-granodiorite suite*

Archean tonalitic to granodioritic rocks

- 5 undifferentiated*
- 5a massive to foliated, biotite-bearing*
- 5b foliated to gneissic, biotite-bearing*
- 5c massive to foliated, hornblende, biotite-bearing*
- 5d foliated to gneissic, hornblende, biotite-bearing*
- 5e massive to foliated, or gneissic, rich in mafic metavolcanic incursions and screens*
- 5g meladiorite, diorite phases*
- 5j syn-plutonic mafic sheets, foliated to massive, often net-veined*

Archean mafic, ultramafic and anorthositic rocks

- 4 undifferentiated*
- 4a gabbro, derived gneiss, agmatite*
- 4b leucogabbro, anorthositic gabbro, anorthosite and derived gneisses*
- 4d mafic inclusions of unknown origin within tonalite-granodiorite suite*

Archean metasedimentary rocks

- 3 undifferentiated*
- 3a graded or ungraded feldspathic arenite, pelite, psammite paragneiss and associated migmatite*
- 3b ironstone, layered quartz-magnetite rock*
- 3d metasedimentary rocks containing orthopyroxene (granulite facies indicator)*

Archean intermediate to felsic metavolcanic rocks

- 2 undifferentiated*

Archean mafic to intermediate metavolcanic rocks

- 1 undifferentiated*
- 1a medium- to fine-grained, massive, foliated amphibolite*
- 1b coarse- to medium-grained, massive, foliated amphibolite*

Manitouwadgø 1991 - Sample locations and descriptions

Sample	Sed.	Plot	Zone	Easting	Northing	Lat.	Long.	NTS	Field	Lab	Rock	Rock Type	Ox.	Depth	Description
No.	Type			m	m	deg	deg	Map	Colour	Colour	Type	Reference	State		
91KFA0001	till	1	16	589650	5442450	49.13031	85.77113	42 F/4		2.5Y 6/4	5b, 4	W & B (1990)	o	<.5 m	sandy
91KFA0002	till	1	16	595850	5447500	49.17479	85.68496	42 F/4		10YR	5b	W & B (1990)	o	<.5 m	
91KFA0003	till	1	16	597930	5446620	49.16655	85.65665	42 F/4	buff	5Y 6/2	5	W & B (1990)	n		sandy, loose, some Pz ls clasts silty
91KFA0004	till	1	16	606100	5455600	49.24594	85.54224	42 F/4	buff	10YR	5	W & B (1990)	n		
91KFA0004A	till	0	16	606100	5455600	49.24594	85.54224	42 F/4	buff	10YR	5	W & B (1990)	n		
91KFA0005	till	1	16	611650	5459180	49.27715	85.46502	42 F/6	buff	2.5Y 4/2	3a	W & B (1990)	n		sandy, many Pz ls clasts
91KFA0006	till	1	16	613500	5459670	49.28121	85.43945	42 F/4	tan	2.5Y 6/2	3a,d	W & B (1990)	n		sandy, many Pz ls clasts
91KFA0007	till	1	16	615800	5460070	49.28438	85.40773	42 F/4		2.5Y 6/2	3a,d	W & B (1990)	n		many Pz ls clasts
91KFA0008	till	1	16	614500	5455000	49.23903	85.42705	42 F/3		2.5Y 6/2	5	W & B (1990)	n		many Pz ls clasts
91KFA0009	till	1	16	582050	5441200	49.12013	85.87553	42 F/4		5Y 5/2	1	W & B (1990)	o		pocket on bedrock, many Pz ls clasts
91KFA0010	till	1	16	580900	5439130	49.10167	85.89171	42 F/4	tan grey	2.5Y 7/2	5	W & B (1990)	n		
91KFA0010A	till	0	16	580900	5439130	49.10167	85.89171	42 F/4	tan grey	10YR	5	W & B (1990)	n		
91KFA0011	till	1	16	581675	5440150	49.11074	85.88089	42 F/4	buff	2.5Y 6/2	5b, 6a	W & B (1990)	n		many Pz ls clasts
91KFA0012	till	1	16	576770	5444720	49.15247	85.94721	42 F/4	tan grey	2.5Y 8/2	2, 3	W & B (1990)	n		
91KFA0013	till	1	16	575130	5441375	49.12259	85.97032	42 F/4	tan grey	10YR	5	W & B (1990)	n		sample may be disturbed material
91KFA0014	till	1	16	573080	5431870	49.03735	86.00013	42 E/1		2.5Y 7/2	5	W & B (1990)	n		large component of local Prec bedrock
91KFA0015	till	1	16	573475	5433240	49.04963	85.99448	42 F/4		5Y 5/3	5	W & B (1990)	n		some Pz ls clasts
91KFA0016	till	1	16	584550	5442820	49.13436	85.84094	42 F/4	buff	10YR	1	W & B (1990)	n		many Pz ls clasts
91KFA0017	till	1	16	584050	5442475	49.13133	85.84787	42 F/4	buff	2.5Y 7/2	1	W & B (1990)	n		silty, many Pz ls clasts
91KFA0018	till	1	16	585500	5443850	49.14349	85.82771	42 F/4	buff	2.5Y 6/2	4a	W & B (1990)	n		very sandy, loose, very large component of local Prec bedrock
91KFA0019	till	1	16	588000	5442900	49.13460	85.79364	42 F/4	grey	5Y 4/1	1	W & B (1990)	n		component of local Prec bedrock
91KFA0020	till	1	16	589250	5442450	49.13037	85.77661	42 F/4		5Y 5/1	5b,c, 6a	W & B (1990)	n		sandy, lenses of sorted sand, many clasts of local Prec. lithology
91KFA0021GF	gravel	1	16	592150	5444600	49.14928	85.73637	42 F/4		10YR 8/1	5	W & B (1990)	n		coarse sand/gravel facies
91KFA0022GF	gravel	1	16	592450	5445050	49.15328	85.73216	42 F/4		10YR	1a,c, 5b	W & B (1990)	n		gravel pit
91KFA0023	till	1	16	592180	5446550	49.16681	85.73552	42 F/4		7/2	5b, 1, 4b	W & B (1990)	n	<.5 m	sandy, thin, some Pz clasts
91KFA0024	till	1	16	592750	5446370	49.16510	85.72775	42 F/4		10YR 4/6	5, 3b	W & B (1990)	n	0.5 m	sandy, shallow sloping deposit, strong component of local Prec. lithologies
91KFA0025	till	1	16	591570	5449550	49.19388	85.74320	42 F/4		2.5Y 4/4	5b	W & B (1990)	n		sandy, some Pz clasts
91KFA0026	till	1	16	591430	5450350	49.20110	85.74494	42 F/4		10YR	5b, 6a	W & B (1990)	n		gravelly, some sand lenses
91KFA0027	till	1	16	586950	5450220	49.20058	85.80645	42 F/4		2.5Y 6/2	5	W & B (1990)	o		thin veneer on bedrock, many Pz clasts

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Reference State	Depth	Description
91KFA0028	till	1	16	588100	5448050	49.18090	85.79115	42 F/4	grey tan	5Y 6/1	6b	W & B (1990)	n	sandy, some sorted layers, some Pz ls clasts
91KFA0029	till	1	16	592180	5443100	49.13578	85.73631	42 F/4	tan	10YR 5/4	6a, 4a, 5b	W & B (1990)	v. o	at site that has been previously trenched grus, no Pz ls clasts noted.
91KFA0030	till	1	16	593050	5442310	49.12855	85.72456	42 F/4		2.5Y 6/4	5b	W & B (1990)	n	sandy, thick veneer on bedrock
91KFA0031	till	1	16	592140	5441450	49.12095	85.73724	42 F/4	tan	10YR 4/6	5	W & B (1990)	n	small, shallow roadside borrow pit
91KFA0032	till	1	16	592100	5441250	49.11916	85.73782	42 F/4		2.5Y 7/2	5	W & B (1990)	n	< 0.75 m sandy, many clasts of black Prec. metasedimentary rock
91KFA0033	till	1	16	589130	5437050	49.08182	85.77945	42 F/4	grey	5Y 4/1	5	W & B (1990)	u	sandy; small, shallow roadside borrow pit
91KFA0034	till	1	16	589350	5437710	49.08773	85.77629	42 F/4	tan grey	5Y 6/2	5	W & B (1990)	n	sandy; many Prec. quartz clasts
91KFA0035	till	1	16	590900	5438700	49.09640	85.75484	42 F/4	tan grey	2.5Y 6/2	5	W & B (1990)	n	sandy;
91KFA0036	till	1	16	586510	5440550	49.11367	85.81457	42 F/4	tan	2.5Y 7/4	5	W & B (1990)	o	Pz. ls clasts noted
91KFA0037	till	1	16	584690	5435720	49.07049	85.84052	42 F/4		5Y 7/1	5	W & B (1990)	n	exposure 2 m high by 10 m long, many Pz. ls
91KFA0038	till	1	16	584500	5435100	49.06494	85.84325	42 F/4		2.5Y 5/4	5e, 6	W & B (1990)	n	many Prec. red granite clasts, local
91KFA0039	till	1	16	583900	5434650	49.06097	85.85155	42 F/4		5Y 5/1	5e, 6a, 7	W & B (1990)	n	very sandy; very local, angular granite clasts.
91KFA0040	till	1	16	582550	5431400	49.03193	85.87069	42 F/4	tan grey	2.5Y 6/3	5	W & B (1990)	n	many Pz. ls clasts noted
91KFA0041	till	1	16	582630	5431540	49.03317	85.86956	42 F/4		2.5Y 5/2	5	W & B (1990)	n	large component of Prec. crystalline clasts, large exposure 5 m high
91KFA0042	till	1	16	574300	5449450	49.19532	85.98021	42 F/4	grey	2.5Y 7/2	5	W & B (1990)	n	gravely, large component of Prec. crystalline clasts
91KFA0043	till	1	16	576820	5449140	49.19222	85.94569	42 F/4	grey tan	5Y 5/1	5	W & B (1990)	n	> 1.5 m sandy, gravelly; thick blanket
91KFA0044	till	1	16	578825	5449640	49.19646	85.91808	42 F/4		2.5Y 6/2	5	W & B (1990)	n	large component of Pz. ls clasts noted
91KFA0045	till	1	16	579550	5448850	49.18926	85.90828	42 F/4		5Y 6/1	5	W & B (1990)	n	some Pz. ls clasts noted
91KFA0046	till	1	16	579100	5446720	49.17017	85.91487	42 F/4		10YR 4/3	5	W & B (1990)	o	poor sample; small, shallow roadside borrow pit, some Pz. ls clasts noted
91KFA0047	till	1	16	579700	5448800	49.18879	85.90623	42 F/4		2.5Y 4/0	5	W & B (1990)	n	> 1.5 m thick blanket; locally derived
91KFA0048	till	1	16	579300	5449500	49.19514	85.91158	42 F/4		5Y 7/1	5	W & B (1990)	n	> 1.5 m sandy; isolated 8 m high mound
91KFA0049	till	1	16	578500	5450350	49.20289	85.92239	42 F/4	buff	2.5Y 7/2	5	W & B (1990)	n	silty; large component of Prec. black metasedimentary clasts

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Ox. State	Depth	Description
91KFA0050	till	1	16	577050	5449250	49.19318	85.94250	42 F/4	tan	5Y 5/2	5	W & B (1990)	0	0.75 m
91KFA0051	till	1	16	576320	5450750	49.20676	85.95224	42 F/4		2.5Y 5/2	1a, 5b, 6a	W & B (1990)	n	> 1.5 m exposure 2.5 m high by 18 m long; large component of Prec. black metasedimentary clasts
91KFA0052	till	1	16	572850	5451000	49.20943	85.99982	42 F/4	buff	2.5Y 4/4	5	W & B (1990)	n	small, shallow, roadside borrow pit; some Pz. ls and Prec. dark metasedimentary clasts noted.
91KFA0053	till	1	16	574230	5451300	49.21196	85.98083	42 F/4	tan	5Y 5/3	5	W & B (1990)	n	sandy; component of Pz. ls
91KFA0054	till	1	16	574830	5451810	49.21648	85.97250	42 F/4		2.5Y 7/2	5	W & B (1990)	n	> 1.5 m clasts
91KFA0055	till	1	16	574200	5453000	49.22726	85.98093	42 F/4		10YR 6/4	5b	W & B (1990)	o	locally derived; some Pz. ls and Prec. dark metasedimentary clasts noted
91KFA0056	till	1	16	601080	5440900	49.11460	85.61488	42 F/4		5Y 7/1	5b, 4b	W & B (1990)	n	3.5 m silty; some sandy blebs; blocky; many Pz. ls. clasts; 4 m high cut
91KFA0056A	till	0	16	601080	5440900	49.11460	85.61488	42 F/4		5Y 6/2	5b, 4b	W & B (1990)	n	1.0 m silty; some sandy blebs; blocky; many Pz. ls. clasts
91KFA0057	till	1	16	604030	5439630	49.10269	85.57480	42 F/4		5Y 6/1	5	W & B (1990)	n	< 1.0 m silty; compact; many Pz. ls clasts
91KFA0058	till	1	16	605650	5441650	49.12057	85.55209	42 F/4	buff	2.5Y 7/2	1a	W & B (1990)	n	silty; many Pz. ls clasts
91KFA0059	till	1	16	607450	5442730	49.12997	85.52714	42 F/4		2.5Y 6/4	4b	W & B (1990)	o	very sandy;
91KFA0060	till	1	16	606930	5441900	49.12260	85.53448	42 F/4	grey tan	5Y 6/1	1, 4, 5	W & B (1990)	n	very sandy; locally derived; 200 m long exposure of till pockets on rock
91KFA0061	till	1	16	609700	5443750	49.13875	85.49603	42 F/3	tan grey	5Y 7/1	4a, 5a	W & B (1990)	n	silty; some Pz. ls clasts noted
91KFA0062	till	1	16	613000	5442930	49.13078	85.45103	42 F/3	tan grey	10YR	1c, 5b	W & B (1990)	n	silty; many Pz. ls clasts noted
91KFA0063	till	1	16	604740	5445025	49.15108	85.56367	42 F/4		2.5Y 5/2	4b	W & B (1990)	n	very silty; blocky; compact; many Pz. ls clasts noted;
91KFA0064	till	1	16	604750	5446350	49.16300	85.56319	42 F/4		5Y 6/1	1c, 5d, 6a, 4b	W & B (1990)	n	very silty; compact; blocky
91KFA0065	till	1	16	604750	5444860	49.14960	85.56358	42 F/4		2.5Y 7/2	4b	W & B (1990)	n	very silty; many Pz. ls. clasts noted
91KFA0066	till	1	16	604340	5444080	49.14265	85.56940	42 F/4		2.5Y 6/2	5	W & B (1990)	n	silty; many Pz. ls clasts
91KFA0067	till	1	16	600175	5438110	49.08966	85.62798	42 F/4		2.5Y 6/2	4b	W & B (1990)	n	silty; some Pz. ls clasts noted
91KFA0068	till	1	16	599760	5438800	49.09593	85.63348	42 F/4		2.5Y 6/2	4b	W & B (1990)	n	sandy; locally derived; some Pz. ls clasts noted
91KFA0069	till	1	16	599120	5443050	49.13425	85.64120	42 F/4	grey	5Y 7/1	5b, 1c	W & B (1990)	u	sandy; many Prec. crystalline clasts but some Pz. ls clasts noted

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Rock Reference	Ox. State	Depth	Description
91KFA0070	till	1	16	599900	5445000	49.15166	85.63004	42 F/4	buff	2.5Y 5/2	5b	W & B (1990)	n		silty; some Pz. ls clasts noted
91KFA0071	till	1	16	584080	5402700	48.77359	85.85567	42 C/13		2.5Y 4/4	6a	Milne (1968)	o	< 1 m	
91KFA0072	till	1	16	584450	5404730	48.79181	85.85022	42 C/13		5Y 6/1	3c	Milne (1968)	n		gravelly; many Pz. ls clasts noted
91KFA0073	till	1	16	580000	5407250	48.81506	85.91030	42 C/13		2.5Y 7/2	7	Milne (1968)	n	> 1.5 m	5 m high cut; blocky; many Pz. ls clasts noted
91KFA0074	till	1	16	581100	5418180	48.91322	85.89315	42 C/13		5Y 6/1	5	Milne (1968)	n	< 1 m	silty; many Pz. ls clasts
91KFA0075	till	1	16	579650	5428530	49.00650	85.91091	42 F/4		2.5Y 6/2	5b	W & B (1990)	n		silty; many Pz. ls clasts noted
91KFA0076	till	1	16	577400	5440800	49.11714	85.93933	42 F/4	grey	2.5Y 5/2	5	W & B (1990)	u		locally derived but a few Pz. ls clasts noted
91KFA0077	till	1	16	577370	5441050	49.11939	85.93969	42 F/4	dark grey	5Y 4/1	5	W & B (1990)	u		many Prec. dark metasedimentary and a few Pz. ls clasts noted
91KFA0078	till	1	16	577400	5441280	49.12145	85.93924	42 F/4		5Y 5/2	1	W & B (1990)	n		sandy; many red granite clasts noted; some rusty black clasts
91KFA0079	till	1	16	576990	5441730	49.12555	85.94477	42 F/4		5Y 5/2	1	W & B (1990)	o		gravelly; locally derived; many angular red and grey granite clasts noted
91KFA0080GF	gravel	1	16	576100	5443270	49.13951	85.95867	42 F/4		10YR 6/3	2, 3	W & B (1990)	n		glaciofluvial deposit on side of ridge
91KFA0081	till	1	16	576320	5443130	49.13823	85.95368	42 F/4	grey	5Y 5/1	2, 3	W & B (1990)	u		diamicton layer in glaciofluvial deposit;
91KFA0082	till	1	16	576660	5444050	49.14647	85.94885	42 F/4		10YR	2, 3	W & B (1990)	v. o		gravelly;
91KFA0083	till	1	16	575950	5444120	49.14718	85.95857	42 F/4	mottled	10YR 5/4	2, 3	W & B (1990)	o		gravelly; many rusty clasts at site
91KFA0083A	till	0	16	575830	5444000	49.14612	85.96024	42 F/4		5Y 6/3	2, 3	W & B (1990)	o		sandy
91KFA0084GFA	gravel	1	16	575675	5443050	49.13758	85.96254	42 F/4		2.5Y 6/2	2, 3	W & B (1990)			glaciofluvial deposit
91KFA0084GFB	gravel	0	16	575675	5443050	49.13758	85.96254	42 F/4		2.5Y 5/2	2, 3	W & B (1990)			glaciofluvial deposit
91KFA0084GFC	gravel	0	16	575675	5443050	49.13758	85.96254	42 F/4		2.5Y 6/2	2, 3	W & B (1990)			glaciofluvial deposit
91KFA0085	till	1	16	576320	5443800	49.14425	85.95356	42 F/4	grey	5Y 7/1	2, 3	W & B (1990)	u	> 1.25 m	good sample; trench 12 m long by 5 m wide
91KFA0085A	till	0	16	576320	5443800	49.14425	85.95356	42 F/4	tan	7.5YR 4/4	2, 3	W & B (1990)	o	0.75 m	B horizon; trench 12 m long by 5 m wide
91KFA0085B	till	0	16	576320	5443800	49.14425	85.95356	42 F/4		10YR 4/1	2, 3	W & B (1990)	o	0.5 m	A horizon; trench 12 m long by 5 m wide

Manitouwadgø 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Ox. State	Depth	Description
91KFA0086	till	1	16	576700	5440050	49.11048	85.94906	42 F/4	grey	2.5Y 6/2	5b,j, 6a	W & B (1990)	u	diamicton layer in glaciofluvial deposit
91KFA0087	till	1	16	602730	5452000	49.21415	85.58945	42 F/4	buff	2.5Y 7/2	5	W & B (1990)	n	some Prec. dark metasedimentary clasts noted.
91KFA0088	till	1	16	604200	5452800	49.22109	85.56906	42 F/4	tan	2.5Y 4/4	5b	W & B (1990)	o	gravelly; locally derived; many Prec. crystalline clasts;
91KFA0089	till	1	16	605530	5453820	49.23004	85.55054	42 F/4	buff grey	2.5Y 7/2	5	W & B (1990)	n	small roadside borrow pit; many Pz. ls clasts noted
91KFA0090	till	1	16	605400	5453500	49.22718	85.55241	42 F/4	buff grey	10YR 7/2	5	W & B (1990)	n	small roadside borrow pit; many Pz. ls clasts noted
91KFA0091	till	1	16	605280	5453880	49.22612	85.55408	42 F/4	tan grey	2.5Y 6/2	5	W & B (1990)	n	predominantly locally derived
91KFA0092	till	1	16	602800	5454270	49.23455	85.58791	42 F/4	tan	2.5Y 8/2	5	W & B (1990)	n	sandy; some sand and silt lenses; clasts are predominantly local
91KFA0093	till	1	16	603540	5454720	49.23847	85.57763	42 F/4	grey	5Y 7/2	5	W & B (1990)	u	Precambrian lithologies
91KFA0094	till	1	16	602900	5455750	49.24784	85.58615	42 F/4	buff grey	2.5Y 6/2	5	W & B (1990)	n	thick deposit in borrow pit many Pz ls clasts; thick deposit
91KFA0095	till	1	16	603320	5456450	49.25406	85.58021	42 F/5	tan grey	5Y 6/2	5	W & B (1990)	n	thick deposit;
91KFA0096	till	1	16	601800	5456390	49.25378	85.60110	42 F/5	tan grey	2.5Y 6/2	5b, 6a	W & B (1990)	n	very silty; blocky;
91KFA0097	till	1	16	601200	5456300	49.25307	85.60937	42 F/5	tan grey	2.5Y 5/2	5b	W & B (1990)	n	many Pz ls clasts
91KFA0098	till	1	16	601100	5453230	49.22548	85.61151	42 F/4	tan grey	2.5Y 6/2	5b	W & B (1990)	n	gravelly; many clasts of local lithologies and Pz ls.
91KFA0099	till	1	16	599550	5453900	49.23175	85.63263	42 F/4		5Y 4/1	1c	W & B (1990)	n	gravelly; many clasts of green crystalline rock
91KFA0099A	till	0	16	599550	5453900	49.23175	85.63263	42 F/4		2.5Y 6/2	1c	W & B (1990)	n	collected 3 m from 0099; many Pz ls clasts - no green cryst. clasts visible.
91KFA0100	till	1	16	593370	5455100	49.24352	85.71721	42 F/4		5Y 6/2	4, 5	W & B (1990)	n	sandy; many angular granitic clasts
91KFA0101	till	1	16	594050	5454550	49.23847	85.70800	42 F/4		2.5Y 5/2	4b, 5b	W & B (1990)	n	gravelly; many angular granitic clasts; predominantly locally derived
91KFA0102	till	1	16	595450	5454350	49.23645	85.68882	42 F/4		2.5Y 4/2	5b	W & B (1990)	n	gravelly; many angular granitic clasts; predominantly locally derived
91KFA0103	till	1	16	596650	5440260	49.10956	85.67573	42 F/4		2.5Y 6/2	5	W & B (1990)	n	sandy; many Pz ls clasts
91KFA0104	till	1	16	595800	5433400	49.04800	85.68900	42 F/4		2.5Y 7/2	5g, 6a	W & B (1990)	n	sandy; many Pz ls clasts
91KFA0105	till	1	16	595250	5432400	49.03909	85.69675	42 F/4		2.5Y 7/2	5g, 6a	W & B (1990)	n	sandy; site has many gneiss boulders at surface; many Pz ls clasts

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting	Northing	Lat. deg	Long. deg	NTS	Field	Lab	Rock	Rock Type	Ox.	Depth	Description
				m	m			Map	Colour	Colour	Type	Reference	State		
91KFA0106	till	1	16	594580	5430600	49.02300	85.70634	42 F/4	2.5Y 6/2	5	W & B (1990)	n			many Pz ls clasts
91KFA0107	till	1	16	595230	5429790	49.01562	85.69764	42 F/4	10YR 6/2	5a, 6a	W & B (1990)	n			gravelly; many granite boulders at site surface
91KFA0108	till	1	16	592700	5429180	49.01052	85.73237	42 F/4	grey	5Y 5/1	5d	W & B (1990)	n		poor sample; many rotten clasts
91KFA0109	till	1	16	592950	5428450	49.00391	85.72912	42 F/4	5Y 4/1	5b,e,g, 1e	W & B (1990)	v. o			very poor sample; very weathered
91KFA0110	till	1	16	591300	5424870	48.97197	85.75248	42 C/13	tan grey	2.5Y 5/2	5	Milne (1968)	v. o		poor sample; weathered
91KFA0111	till	1	16	589900	5420050	48.92882	85.77267	42 C/13	grey	5Y 5/2	5	Milne (1968)	u		gravelly; many Pz ls clasts
91KFA0112	till	1	16	583750	5414350	48.87842	85.85778	42 C/13	5Y 3/2	1a	Milne (1968)	o			
91KFA0113	till	1	16	598250	5448130	49.18008	85.65189	42 F/4	2.5Y 5/2	5b	W & B (1990)	n			sandy; locally derived; mound of local debris; contains many angular erratics
91KFA0114	till	1	16	597220	5449220	49.19005	85.66576	42 F/4	2.5Y 4/4	5b	W & B (1990)	n			stony and sandy; angular boulders at surface
91KFA0115	till	1	16	608150	5452075	49.21389	85.51504	42 F/4	2.5Y 7/2	5b	W & B (1990)	n			many Pz ls clasts
91KFA0116	till	1	16	609700	5452350	49.21608	85.49368	42 F/3	buff	10YR	5	W & B (1990)	n		silty; many Pz ls clasts
91KFA0117	till	1	16	609570	5451600	49.20937	85.49567	42 F/3	grey tan	5Y 5/2	5	W & B (1990)	n		many angular gneissic clasts; locally derived
91KFA0118	till	1	16	610850	5451500	49.20823	85.47813	42 F/3	10YR 6/2	5b	W & B (1990)	n			silty sandy; many Pz ls clasts; gneiss boulders at site
91KFA0119	till	1	16	612000	5452800	49.21972	85.46199	42 F/3	10YR	6	W & B (1990)	n	> 1.5 m		many Pz ls clasts
91KFA0120	till	1	16	584000	5407530	48.81705	85.85577	42 C/13	2.5Y 7/2	7	Milne (1968)	n			silty, hard, massive and blocky; at or near site 2 of Hicock (1987)
91KFA0120A	till	0	16	584000	5407530	48.81705	85.85577	42 C/13	5Y 6/1	7	Milne (1968)	n			gravelly; at or near site 2 of Hicock (1987)
91KFA0120B	till	0	16	584000	5407530	48.81705	85.85577	42 C/13	5Y 5/1	7	Milne (1968)	n			gravelly; sand lenses; at or near site 2 of Hicock (1987)
91KFA0121	till	1	16	584750	5408120	48.82225	85.84544	42 C/13	5Y 4/2	7	Milne (1968)	n	> 1.5 m		gravelly; 2.5 m high mound; diamicton roughly stratified with sand layers
91KFA0122	till	1	16	585400	5408730	48.82765	85.83646	42 C/13	5Y 6/1	7	Milne (1968)	n	1.5		silty and blocky; many Pz ls clasts noted; top 2 m of 5 m cut are exposed; at or near site 1 of Hicock (1987).
91KFA0123	till	1	16	587050	5410900	48.84693	85.81351	42 C/13	2.5Y 4/2	1a,b	Milne (1968)	n			gravelly; some Pz ls clasts noted.

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Ox. State	Depth	Description
91KFA0124	till	1	16	588250	5412270	48.85909	85.79687	42 C/13	grey	5Y 6/1	1a,d	Milne (1968)	u	silty; many Pz ls clasts noted
91KFA0125	till	1	16	586950	5410160	48.84029	85.81503	42 C/13	grey blue	5Y 5/1	2g	Milne (1968)	u	gravelly; many angular Prec. black mvcc clasts and some Pz ls clasts noted
91KFA0126	till	1	16	588230	5409650	48.83552	85.79771	42 C/13	grey	2.5Y 6/2	2g	Milne (1968)	n	sample taken from floor of abandoned till pit
91KFA0127	till	1	16	588150	5408650	48.82655	85.79901	42 C/13	buff grey	2.5Y 5/2	7a	Milne (1968)	n	cut of till 2 m high by 16 m long; many boulders of coarse grained granite with mafic breccia intrusion
91KFA0128	till	1	16	589280	5409490	48.83394	85.78344	42 C/13	buff	10YR 7/1	1a, 2g	Milne (1968)	n	sandy; many Prec. play metasedimentary and Pz ls clasts noted
91KFA0128A	till	0	16	589280	5409490	48.83394	85.78344	42 C/13		5Y 6/2	1a, 2g	Milne (1968)	n	sandy; locally derived; close to bedrock
91KFA0129	till	1	16	589700	5409420	48.83325	85.77773	42 C/13		2.5Y 6/4	1a	Milne (1968)	n	sandy and stony; sandy layers; black mtsdm and rusty boulders at site; occasional Pz ls clast noted; roadside pit locally derived; angular black mtsdm clasts; exploration pit silty and sandy; overlies polished mvcc and greenstone rock;
91KFA0130	till	1	16	589970	5409370	48.83276	85.77406	42 C/13	tan grey	2.5Y 5/2	1a	Milne (1968)	n	silty sandy; exploration pit; overlies polished greenstone
91KFA0131	till	1	16	590700	5409810	48.83661	85.76402	42 C/13	buff	2.5Y 6/4	1a	Milne (1968)	n	many Pz ls clasts noted; overlies pillow lava
91KFA0132	till	1	16	590700	5409950	48.83787	85.76399	42 C/13		5Y 5/2	1a	Milne (1968)	n	Pz ls clasts noted; sediments scraped to build road
91KFA0133	till	1	16	591200	5410600	48.84364	85.75703	42 C/13		10YR 5/4	1a	Milne (1968)	n	sandy; angular red granite boulders
91KFA0134	till	1	16	593250	5440830	49.11521	85.72217	42 C/13		2.5Y 8/2	5	W & B (1990)	n	silty; loose; many Pz ls clasts silty; slightly blocky; man Pz ls clasts; 4 m high pit
91KFA0135	till	1	16	595640	5440850	49.11502	85.68942	42 F/4	tan grey	2.5Y 6/2	5b	W & B (1990)	n	thin veneer; many Pz ls clasts
91KFA0136	till	1	16	597000	5440675	49.11323	85.67083	42 F/4	buff	10YR	5	W & B (1990)	n	silty; down-ice side of local bedrock high
91KFA0137	till	1	16	601450	5439600	49.10285	85.61015	42 F/4	grey	5Y 7/1	5	W & B (1990)	u	
91KFA0138	till	1	16	596070	5443500	49.13879	85.68290	42 F/4	buff	10YR 7/2	5b, 1c	W & B (1990)	n	
91KFA0139	till	1	16	595450	5443100	49.13528	85.69149	42 F/4		2.5Y 5/2	5b	W & B (1990)	n	
91KFA0140	till	1	16	595420	5443600	49.13978	85.69179	42 F/4	buff	10YR 6/2	5b, 1c	W & B (1990)	n	
91KFA0141	till	1	16	596280	5447000	49.17023	85.67918	42 F/4	buff	10YR	1c	W & B (1990)	n	

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Ox. State	Depth	Description
91KFA0142	till	1	16	596850	5445350	49.15530	85.67176	42 F/4	tan grey	10YR 6/2	1c, 5b	W & B (1990)	n to u	silty and sandy;
91KFA0143	till	1	16	597550	5444950	49.15159	85.66226	42 F/4		5Y 6/1	5	W & B (1990)	sl. o	sandy; locally derived; 2 m high pit
91KFA0144	till	1	16	601050	5451000	49.20543	85.61276	42 F/4	tan	10YR	5	W & B (1990)	o	small pocket of till
91KFA0145	till	1	16	599650	5453180	49.22527	85.63143	42 F/4	tan	2.5Y 5/2	5e	W & B (1990)	n	silty; many Pz ls clasts noted
91KFA0146	till	1	16	581070	5432610	49.04300	85.89069	42 F/4	tan grey	10YR 5/1	5	W & B (1990)	sl. o	very silty; many Pz ls clasts noted
91KFA0147	till	1	16	582400	5434050	49.05578	85.87220	42 F/4		2.5Y 6/2	5d, j, 6a	W & B (1990)	n	silty; blocky
91KFA0148	till	1	16	581900	5432300	49.04011	85.87939	42 F/4	grey	2.5Y 6/2	5	W & B (1990)	u	silty; many Pz ls clasts
91KFA0148A	till	0	16	581900	5432300	49.04011	85.87939	42 F/4	tan	10YR 5/6	5	W & B (1990)	n	lower B/ upper C horizon, layer .3 m thick
91KFA0148B	till	0	16	581900	5432300	49.04011	85.87939	42 F/4	red	7.5YR	5	W & B (1990)	o	B horizon; layer 0.2 m thick
91KFA0148C	till	0	16	581900	5432300	49.04011	85.87939	42 F/4	white	10YR	5	W & B (1990)	o	A horizon; layer 0.1 m thick
91KFA0149	till	1	16	579860	5430780	49.02670	85.90760	42 F/4	tan	5Y 3/2	5	W & B (1990)	o	sandy and silty; many Pz ls clasts
91KFA0150	till	1	16	579230	5430630	49.02544	85.91624	42 F/4	buff	2.5Y 5/2	5	W & B (1990)	n	silty
91KFA0151	till	1	16	579950	5425800	48.98190	85.90735	42 C/13	buff	2.5Y 3/2	5	Milne (1968)	o	silty; many Pz ls clasts
91KFA0152	till	1	16	581000	5427350	48.99571	85.89269	42 C/13		10YR 3/3	5	Milne (1968)	n	silty; Pz ls and Prec. red granite clasts noted
91KFA0153	till	1	16	581400	5427800	48.99970	85.88714	42 C/13		2.5Y 4/4	5	Milne (1968)	o	silty and sandy
91KFA0154	till	1	16	582175	5428710	49.00778	85.87636	42 F/4		10YR 4/2	5	W & B (1990)	n	silty; many Pz ls clasts and angular Prec. granite clasts
91KFA0155	till	1	16	581730	5429120	49.01153	85.88236	42 F/4		2.5Y 6/2	5	W & B (1990)	n	silty; blocky; many Pz ls clasts noted; cut is 50 m long;
91KFA0156	till	1	16	580800	5430525	49.02429	85.89480	42 F/4		10YR 5b, 6a, 7a	5b, 6a, 7a	W & B (1990)	n	sandy; "immature" till
91KFA0157	till	1	16	602000	5436675	49.07645	85.60335	42 F/4	tan	2.5Y 4/2	5, 1a	W & B (1990)	n	silty and sandy; some Pz ls clasts noted; abandoned borrow pit
91KFA0158	till	1	16	601050	5436500	49.07504	85.61639	42 F/4	buff	10YR	5	W & B (1990)	n	silty; many Pz ls clasts noted
91KFA0159	till	1	16	602080	5434350	49.05553	85.60284	42 F/4	buff grey	10YR 6/2	5	W & B (1990)	n	sandy; many Pz ls clasts noted
91KFA0160	till	1	16	604800	5434650	49.05777	85.56554	42 F/4		10YR 7/1	5	W & B (1990)	n	sandy; loose; many Pz ls clasts; 2 m high pit
91KFA0161	till	1	16	604450	5434530	49.05676	85.57037	42 F/4		2.5Y 6/2	5	W & B (1990)	n	silty; exploration trench; surface strewn with angular grey gneiss boulders
91KFA0166	till	1	16	611250	5428600	49.00224	85.47895	42 F/3	buff	10YR 4/2	5	W & B (1990)	n	silty; many Pz ls clasts; roadside borrow pit

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Eastings	Northings	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Reference	Ox. State	Depth	Description
91KFA0167	till	1	16	611000	5428000	48.99689	85.48254	42 C/14	brown	10YR 4/3	5	Milne (1968)	o		sandy; weathered
91KFA0168	till	1	16	603000	5426000	48.98029	85.59237	42 C/13	grey	5Y 4/2	5	Milne (1968)	u		stony; locally derived; contains angular Prec. clasts
91KFA0169	till	1	16	601300	5424200	48.98438	85.61604	42 C/13	tan grey	5Y 5/2	5	Milne (1968)	n		sandy; angular Prec. gneiss boulders in cut
91KFA0170	till	1	16	600500	5422825	48.95215	85.62731	42 C/13	grey	2.5Y 5/2	5	Milne (1968)	u		silty; blocky; many Pz ls clasts
91KFA0171	till	1	16	600230	5421920	48.94405	85.63122	42 C/13	tan	2.5Y 5/4	5	Milne (1968)	o		very thin sediment veneer on bedrock
91KFA0172	till	1	16	591200	5434900	49.06218	85.75159	42 F/4	grey	10YR 6/2	5b, 4d, 6a	W & B (1990)	u		silty and sandy; few clasts in till
91KFA0173	till	1	16	589900	5434000	49.05428	85.76958	42 F/4	tan grey	2.5Y 5/4	5e.g, 6a	W & B (1990)	n		gravelly; Pz ls clasts noted; abandoned till pit
91KFA0174	till	1	16	589800	5434050	49.05474	85.77094	42 F/4	tan grey	2.5Y 5/2	5e.g, 6a	W & B (1990)	u		gravelly; 0.1 km from 0173
91KFA0175	till	1	16	585570	5431550	49.03286	85.82935	42 F/4	tan	10YR	5	W & B (1990)	n		sandy
91KFA0176	till	1	16	593080	5435500	49.06730	85.72572	42 F/4	grey	2.5Y 5/2	5	W & B (1990)	u		silty and sandy; good sample; many Pz ls clasts noted
91KFA0177	till	1	16	594180	5435750	49.06938	85.71061	42 F/4	grey	2.5Y 5/2	5	W & B (1990)	u		gravelly; some silty layers; many Pz ls clasts noted
91KFA0178	till	1	16	593700	5435750	49.06945	85.71718	42 F/4		2.5Y 7/2	5	W & B (1990)	u		sandy and silty; crumbly; mound of till rich in Pz ls clasts
91KFA0178A	till	0	16	593700	5435750	49.06945	85.71718	42 F/4		2.5Y 5/4	5	W & B (1990)	u		sandy and silty; crumbly; mound of till rich in Pz ls clasts
91KFA0179	till	1	16	585225	5444410	49.14857	85.83135	42 F/4	dark grey	10YR	3	W & B (1990)	n		gravelly; many Pz ls clasts
91KFA0180	till	0	16	585100	5444275	49.14737	85.83310	42 F/4	orange	10YR 4/2	3	W & B (1990)	n		contaminated till at tailings pond
91KFA0180A	till	0	16	585100	5444275	49.14737	85.83310	42 F/4	orange	10YR 3/2	3	W & B (1990)	n		contaminated till at tailings pond
91KFA0181	till	1	16	584450	5445180	49.15560	85.84182	42 F/4	brown	10YR 4/1	3	W & B (1990)	n		silty; dense; blocky; brown staining on blocks between partings
91KFA0182	till	1	16	584630	5445550	49.15891	85.83927	42 F/4	orange	7.5Y 3/2	3b	W & B (1990)	n		small pocket on gossan bedrock;
91KFA0182A	sand	0	16	584630	5445550	49.15891	85.83927	42 F/4	brown	10YR	3	W & B (1990)	n		
91KFA0183	till	1	16	585200	5444620	49.15046	85.83166	42 F/4	10YR 7/1		3	W & B (1990)	n	> 1.5 m	silty and sandy; very many Pz ls clasts; lenses of better sorted sand
91KFA0184	till	1	16	581750	5447420	49.17611	85.87839	42 F/4	dark grey	10YR 3/2	3	W & B (1990)	n		gravelly; small shallow exposure

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting	Northing	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Reference	Ox. State	Depth	Description
91KFA0185	till	1	16	582590	5447160	49.17366	85.86691	42 F/4	grey	10YR 5/2	3	W & B (1990)	u		gravelly; some siltier layers; some Pz ls clasts noted mined out gravel pit
91KFA0186GF	gravel	1	16	583250	5446770	49.17007	85.85794	42 F/4		10YR 6/2	1, 2, 6a	W & B (1990)			
91KFA0187	till	1	16	583380	5446925	49.17144	85.85612	42 F/4		10YR 7/2	1, 2, 6	W & B (1990)	n		till core in pit in glaciofluvial deposit; many Pz ls clasts noted
91KFA0188GF	gravel	1	16	583380	5446925	49.17144	85.85612	42 F/4	buff	2.5Y 5/2		W & B (1990)			pit in glaciofluvial deposit
91KFA0189	till	1	16	588050	5444240	49.14664	85.79266	42 F/4	buff	10YR	5b	W & B (1990)	o		stone; silty sandy
91KFA0190	till	1	16	588170	5444780	49.15148	85.79090	42 F/4	tan	10YR 3/2	3	W & B (1990)	o		gravelly; angular Prec. grey crystalline clasts
91KFA0191	mine tailings	1	16	588300	5445000	49.15344	85.78907	42 F/4		7.5YR 4/6	3	W & B (1990)	o		mine tailing from near open slope
91KFA0192	till	1	16	588850	5444400	49.14796	85.78166	42 F/4	buff	2.5Y 7/2	5b	W & B (1990)			
91KFA0193GF	gravel	1	16	588300	5444100	49.14534	85.78927	42 F/4	buff	2.5Y 5/4	1a	W & B (1990)	o		
91KFA0194	till	1	16	588100	5444120	49.14556	85.79201	42 F/4		2.5Y 4/4	1a	W & B (1990)	o		rust staining on bedrock
91KFA0195GF	gravel	1	16	588900	5445260	49.15570	85.78078	42 F/4		10YR 5/2	6a	W & B (1990)			
91KFA0196	till	1	16	576200	5440100	49.11099	85.95590	42 F/4	buff	10YR	5	W & B (1990)	n		silty; many Pz ls clasts
91KFA0197	till	1	16	574370	5436300	49.07703	85.98167	42 F/4	buff	10YR	5	W & B (1990)	n		sandy; wet
91KFA0198	till	1	16	570000	5439475	49.10611	86.04095	42 E/1	tan	10YR	5	W & B (1990)	o		very silty;
91KFA0199	till	1	16	569550	5435550	49.07085	86.04779	42 E/1	mottled	5Y 4/1	5	W & B (1990)	o		poor sample
91KFA0200	till	1	16	569275	5434800	49.06414	86.05168	42 E/1		2.5Y 3/2	5	W & B (1990)	o		near contact with silt/clay deposits
91KFA0201	till	1	16	569050	5434520	49.06165	86.05481	42 E/1	buff	2.5Y 3/2	5	W & B (1990)	n		
91KFA0202GF	gravel	1	16	568380	5434775	49.06401	86.06393	42 E/1		10YR 5/3	5	W & B (1990)			
91KFA0203	till	1	16	568120	5441825	49.12745	86.06631	42 E/1		10YR 5/2	5	W & B (1990)	n		silty; many Pz ls clasts; near contact with silt/clay deposits
91KFA0204	till	1	16	568000	5442750	49.13578	86.06779	42 E/1	tan	7.5YR 3/2	5	W & B (1990)	v. ox		stone; many Prec. red granite clasts
91KFA0205	till	1	16	567500	5443200	49.13989	86.07458	42 E/1		10YR	5	W & B (1990)	o		silty; pocket of till
91KFA0206	till	1	16	599950	5421850	48.94347	85.63506	42 C/13		5Y 7/1	5	Milne (1968)	n		sandy; loose; one of series of till mounds
91KFA0207	till	1	16	599430	5421120	48.93699	85.64233	42 C/13	grey tan	2.5Y 4/2	5	Milne (1968)	n		sandy; angular Prec. clasts
91KFA0208	till	1	16	599200	5420800	48.93414	85.64555	42 C/13	tan	2.5Y 7/2	5	Milne (1968)	o		sandy; compact; structureless; large mound
91KFA0209	till	1	16	598275	5419950	48.92665	85.65839	42 C/13	grey	5Y 6/1	7	Milne (1968)	u		sandy; structureless; mound or flute with bouldery surface

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Reference	Ox. State	Depth	Description
91KFA0210	till	1	16	597500	5419370	48.92155	85.66910	42 C/13	greu	5Y 8/1	7	Milne (1968)	u		diamicton sample; mound of bedded diamicton and sand; top draped with 0.5 m diamicton
91KFA0211	till	1	16	596650	5418350	48.91251	85.68095	42 C/13	grey	5Y 6/1	7	Milne (1968)	u	> 1.0 m	sandy; large Pz. ls boulders at the site
91KFA0212	till	1	16	596000	5417275	48.90295	85.69006	42 C/13	tan	10YR 5/6	7	Milne (1968)	o	< 1.0 m	sandy; thin veneer
91KFA0213	till	1	16	595850	5416950	48.90008	85.69492	42 C/13	tan	2.5Y 6/6	7a	Milne (1968)	o	< 1.0 m	sandy; "immature" till; angular Prec. granite pebbles
91KFA0214	till	1	16	595400	5416830	48.89904	85.69836	42 C/13	tan	2.5Y 4/2	7a	Milne (1968)	o	1.5 m	silty; blocky
91KFA0215	till	1	16	594550	5416375	48.89508	85.71005	42 C/13	grey	2.5Y 7/2	7a	Milne (1968)	u	1.5 m	sandy; many Pz ls and Prec granite clasts
91KFA0216	till	1	16	594420	5416300	48.89442	85.71185	42 C/13		2.5Y 7/2	7a	Milne (1968)	n	> 1.5 m	many Pz ls clasts but is generally pebble-poor; mound of till over 6 m high; sandy; wet
91KFA0217	till	1	16	591950	5413880	48.87303	85.74608	42 C/13	tan	2.5Y 4/4	7	Milne (1968)	o		sandy; thin deposit
91KFA0218	till	1	16	591100	5412000	48.85625	85.75809	42 C/13	tan	10YR 4/6	7a	Milne (1968)	o		massive; compact; many Pz ls clasts; 3-4 m high cut
91KFA0219	till	1	16	591300	5410950	48.84677	85.75559	42 C/13		2.5Y 7/2	1a	Milne (1968)	n		sandy; structureless small pocket; locally derived; silty; thin deposit; sandy; good sample drift-poor area
91KFA0220	till	1	16	573275	5455550	49.25031	85.99316	42 F/5	tan grey	2.5Y 7/2	5	W & B (1990)	o	.40 m	gravelly; many Pz ls clasts; sandy;
91KFA0221	till	1	16	574120	5456600	49.25965	85.98135	42 F/5	tan	10YR	5	W & B (1990)	o		sandy and silty
91KFA0222	till	1	16	571170	5457750	49.27034	86.02169	42 E/8	tan	2.5Y 4/2	3a	W & B (1990)	o		sandy and silty; "immature" till
91KFA0223	till	1	16	568050	5457000	49.26395	86.06470	42 E/8	dark grey	2.5Y 4/2	3	W & B (1990)	u		silty; many Pz ls clasts
91KFA0224GF	gravel	1	16	580575	5455500	49.24894	85.89288	42 F/4	tan	10YR 4/2	5e	W & B (1990)	o		sandy and silty; many angular Prec. mafic gneiss boulders; Pz ls clasts noted.
91KFA0225	till	1	16	581400	5455600	49.24973	85.88153	42 F/4		2.5Y 5/4	5	W & B (1990)	n		sandy; many angular Prec black and pink gneiss boulders on surface; rare Pz ls clast noted
91KFA0226	till	1	16	582250	5456650	49.25906	85.86964	42 F/5	tan grey	10YR 5b,e,g	5b,e,g	W & B (1990)	n		
91KFA0227	till	1	16	582930	5456820	49.26049	85.86026	42 F/5	tan grey	2.5Y 7/2	5b	W & B (1990)	n		
91KFA0228	till	1	16	584340	5457770	49.26884	85.84068	42 F/5	tan grey	2.5Y 6/2	5g	W & B (1990)	n		
91KFA0229	till	1	16	589560	5460180	49.28978	85.76841	42 F/5	grey	2.5Y 4/4	3a, 5b, 6a	W & B (1990)	u		
91KFA0230	till	1	16	589940	5460530	49.29287	85.76311	42 F/5	tan grey	2.5Y 6/2	3a, 5b, 6a	W & B (1990)	n		
91KFA0231	till	1	16	591000	5461175	49.29851	85.74838	42 F/5	10YR 4/2		3a, 5b, 6a	W & B (1990)	n		

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting	Northing	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Rock Reference	Ox. State	Depth	Description
91KFA0232	till	1	16	593800	5462100	49.30640	85.70966	42 F/5	tan	2.5Y 6/4	3a,d	W & B (1990)	n	>1.0 m	sandy; many Pz ls clasts; cut 2 m high; area of mounds of Pz ls-rich till
91KFA0233	till	1	16	571560	5442730	49.13520	86.01900	42 E/1		5Y 6/1	5	W & B (1990)	n	>1.5 m	sandy; structureless; Pz ls clasts noted; large till pit > 3 m high.
91KFA0234	till	1	16	576270	5460200	49.29176	85.95113	42 F/5		10YR	3a	W & B (1990)	n		stony; many Pz ls clasts;
91KFA0235	till	1	16	577310	5461230	49.30089	85.93663	42 F/5	tan	10YR 4/3	3a	W & B (1990)	n	0.4 m	sandy and silty; many Pz ls clasts
91KFA0236GF	gravel	1	16	577430	5461520	49.30348	85.93492	42 F/5		10YR 7/3	3a	W & B (1990)			bouldery
91KFA0237	till	1	16	578250	5467150	49.35402	85.92254	42 F/5	tan	2.5Y 5/4	3a	W & B (1990)	o		silty; few pebbles; surface of cut covered by Prec. mvcc boulders
91KFA0238GF	gravel	1	16	568850	5475510	49.43034	86.05051	42 E/8		10YR 6/6		W & B (1990)			
91KFA0239	till	1	16	569410	5474950	49.42524	86.04288	42 E/8	grey	10YR		W & B (1990)	u		sandy; locally derived
91KFA0240	till	1	16	569710	5472400	49.40226	86.03919	42 E/8		10YR 5/4	3a	W & B (1990)	n		locally derived; pocket in area of sand and gravel
91KFA0241	till	1	16	566610	5470240	49.38319	86.08228	42 E/8	buff grey	10YR 7/2	3a	W & B (1990)	n	1.0 m	compact; blocky; many Pz ls clasts;
91KFA0242	till	1	16	565150	5471000	49.39018	86.10226	42 E/8		2.5Y 4/2	3a	W & B (1990)	n	> 1.5 m	silty and sandy; many Pz ls clasts;
91KFA0243	till	1	16	563280	5472940	49.40783	86.12772	42 E/8		2.5Y 7/2		W & B (1990)	n		silty and sandy; pocket; cut covered with angular Prec. grey gneissic boulders; many Pz ls clasts
91KFA0244	till	1	16	560500	5475000	49.42664	86.16572	42 E/8	tan grey	10YR 6/2		W & B (1990)	n		silty and sandy; pocket; many Pz ls clasts
91KFA0245	till	1	16	557750	5474130	49.41908	86.20377	42 E/8	tan grey	2.5Y 6/2		W & B (1990)	sl. o	> 1.0 m	clayey; side of hill
91KFA0246	till	1	16	552630	5471840	49.39895	86.27466	42 E/8		10YR		W & B (1990)	o	< 1.0 m	Pz ls clasts noted
91KFA0247	till	1	16	547150	5471970	49.40056	86.35016	42 E/8	tan	2.5Y 3/2		W & B (1990)	o		silty; Pz ls clasts noted
91KFA0248	till	1	16	541780	5470180	49.38486	86.42435	42 E/8	grey	2.5Y 7/2		W & B (1990)	u		silty and sandy; good sample; till exposed on floor of gravel pit
91KFA0249	till	1	16	599080	5454270	49.23516	85.63899	42 F/4	buff grey	2.5Y 7/2	1c	W & B (1990)	n		silty; loose; structureless
91KFA0250	till	1	16	598800	5454600	49.23817	85.64275	42 F/4	buff	10YR 7/2	5	W & B (1990)	n		gravelly; loose; 0-3 m blanket deposit;
91KFA0251	till	1	16	598500	5454900	49.24092	85.64680	42 F/4	buff	2.5Y 7/2	5	W & B (1990)	n		sandy; roadside cut 4 m high; many Pz ls clasts
91KFA0252	till	1	16	597030	5454950	49.24160	85.66698	42 F/4	buff	2.5Y 5/2	1, 5	W & B (1990)	n		silty; many Pz ls clasts
91KFA0253	till	1	16	597550	5455950	49.25051	85.65959	42 F/5		5Y 5/1	6b	W & B (1990)	o	1.0 m	many Pz ls clasts

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting	Northing	Lat. deg	Long. deg	NTS	Field Colour	Lab Colour	Rock Type	Ox. State	Depth	Description
91KFA0254	till	1	16	598050	5456500	49.25538	85.65259	42 F/5	buff	2.5Y 4/4	6b	W & B (1990)	o	silty and sandy; down ice side of ridge parallel to ice flow
91KFA0255	till	1	16	598170	5458550	49.27380	85.65044	42 F/5	buff	2.5Y 6/2	5b, 3a	W & B (1990)	n	silty and sandy; many Pz ls clasts
91KFA0256	till	1	16	598280	5460370	49.29015	85.64848	42 F/5	tan	10YR 4/4	3a	W & B (1990)	o	sandy; badly oxidized; poor sample
91KFA0257	till	1	16	598260	5460500	49.29132	85.64872	42 F/5	buff	2.5Y 5/4	3a	W & B (1990)	n	silty and sandy; very pebbly; many Pz ls clasts;
91KFA0258	till	1	16	598775	5462650	49.31057	85.64111	42 F/5	buff	10YR 6/6	3a	W & B (1990)	n	silty and sandy; many Pz ls clasts
91KFA0259	till	1	16	597250	5461910	49.30416	85.66226	42 F/5	buff	10YR 5/3	3a	W & B (1990)	n	silty and sandy; many Pz ls clasts noted
91KFA0260	till	1	16	596400	5462850	49.31275	85.67373	42 F/5	buff	2.5Y 7/4	3a	W & B (1990)	n	silty and sandy; loose; contains sand layers; many Pz ls clasts
91KFA0261	till	1	16	587000	5463850	49.32315	85.80280	42 F/5	tan	10YR 4/3	3a	W & B (1990)	o	poor sample; sediment scraped off rock for road
91KFA0262	till	1	16	587700	5467280	49.35390	85.79242	42 F/5	buff	2.5Y 5/2	3a,d	W & B (1990)	n	silty and sandy; many Pz ls clasts
91KFA0263	till	1	16	610080	5460810	49.29209	85.48615	42 F/6	tan grey	2.5Y 5/2	3a,d	W & B (1990)	n	silty and sandy; structureless; pit of till in area dominated by ice contact gravels
91KFA0264	till	1	16	610050	5461250	49.29605	85.48643	42 F/6	buff	10YR 6/3	3a,d	W & B (1990)	n	silty; clasts at site surface almost exclusively Pz ls and Proterozoic mtsdm
91KFA0265	till	1	16	610720	5462650	49.30852	85.47684	42 F/6	buff	10YR 7/2	3a,d	W & B (1990)	n	silty and sandy; some sublayers of sand; many Pz ls clasts
91KFA0266	till	1	16	612120	5464920	49.32868	85.45695	42 F/6		10YR 4/2	3a	W & B (1990)	n	silty; many Pz ls clasts; till underlies laminated silt/clay in 3-4 m high road cut
91KFA0267	till	1	16	617440	5468500	49.35986	85.38271	42 F/6	buff	10YR 6/2	3a	W & B (1990)	n	silty and sandy; many Pz ls clasts
91KFA0268	till	1	16	614820	5469550	49.36980	85.41846	42 F/6		10YR 5/3	3a,d	W & B (1990)	n	gravelly; silty layers; very many Pz ls clasts
91KFA0269	till	1	16	609600	5470880	49.38272	85.48997	42 F/6	buff	2.5Y 6/2	3a	W & B (1990)	n	silty; many Pz ls clasts
91KFA0270	till	1	16	607000	5471050	49.38472	85.52574	42 F/5	buff	2.5Y 6/2	3a, 6a	W & B (1990)	n	compact, structureless; thick blanket
91KFA0271	till	1	16	605650	5470100	49.37641	85.54459	42 F/5	buff	10YR 6/3	3a	W & B (1990)	n	silty; gravel layers; very many Pz ls clasts

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Reference	Ox. State	Depth	Description
91KFA0272	till	1	16	607325	5464650	49.32711	85.52299	42 F/5	10YR 5/2	10YR 5/2	3a,d	W & B (1990)	n		gravelly; in some places material is coarsely stratified; many Pz ls clasts
91KFA0273	till	1	16	584675	5400350	48.75238	85.84805	42 C/13	tan	10YR 4/3	6a	Milne (1968)	o		locally derived; many rotten pebbles
91KFA0274	till	1	16	585300	5400750	48.75589	85.83947	42 C/13		5Y 4/2	6a	Milne (1968)	n		gravelly layers interbedded with more clay-rich layers; cut 2m high and 10 m long; many Prec. granite clasts; few Pz ls clasts;
91KFA0275	till	1	16	585440	5400750	48.75587	85.83757	42 C/13	buff	2.5Y 6/2	6a	Milne (1968)	n		silty and sandy; structureless; large mined out, slumped pit 4-5 m high
91KFA0276	till	1	16	585720	5401000	48.75808	85.83371	42 C/13	dark grey	2.5Y 4/2	6a	Milne (1968)	u		sandy; locally derived; contains angular Prec. dark grey and pin gneiss
91KFA0277	till	1	16	586480	5401050	48.75842	85.82336	42 C/13	grey	2.5Y 7/2	6a	Milne (1968)	u		silty; blocky; mined out till pit 500 m long; many Pz ls clasts; possibly two poorly developed boulder pavements in pit
91KFA0278	till	1	16	586270	5400950	48.75755	85.82623	42 C/13		5Y 5/1	6a	Milne (1968)	n		stony; sandy; many Pz ls and Prec granite clasts; same pit as 0278; site 3 of Hicock (1987);
91KFA0279	till	1	16	588900	5402300	48.76933	85.79017	42 C/13	mottled	10YR 3/3	3c	Milne (1968)	o		pit 400 m long by 100 m wide; glaciofluvial deposit; coarsely stratified clay to boulders; boulders not well rounded; some Pz ls clasts.
91KFA0280GF	gravel	1	16	589450	5402820	48.77392	85.78257	42 C/13		2.5Y 8/2	3c	Milne (1968)			gravelly; Pz ls and Prec. clasts; small borrow pit
91KFA0281	till	1	16	590350	5404000	48.78441	85.77007	42 C/13	grey	2.5Y 5/2	3a	Milne (1968)	n		silty and sandy; blocky; unoxidized; till pit 10 m long and 3 m high
91KFA0282	till	1	16	590580	5404200	48.78617	85.76689	42 C/13	blue grey	5Y 6/1	3a	Milne (1968)	u		gravelly; locally derived; deserted borrow pit
91KFA0283	till	1	16	592430	5407100	48.81199	85.74106	42 C/13	tan grey	2.5Y 4/4	1a	Milne (1968)	n		unoxidized till from fault in bedrock at tailings dam
91KFA0284	till	1	16	589740	5446840	49.16978	85.76891	42 F/4	blue grey	2.5Y 7/2	6b	W & B (1990)	u		

Manitouwadge 1991 - Sample locations and descriptions

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Lat. deg	Long. deg	NTS Map	Field Colour	Lab Colour	Rock Type	Reference	Ox. State	Depth	Description
91KFA0284A	till	0	16	589740	5446840	49.16978	85.76891	42 F/4	blue grey 5Y 7/1	6b	W & B (1990)	u	u		unoxidized till from fault in bedrock at tailings dam
91KFA0284B	till	0	16	589740	5446840	49.16978	85.76891	42 F/4	blue grey 5Y 7/1	6b	W & B (1990)	u	u		unoxidized till from fault in bedrock at tailings dam
91KFA0285	till	1	16	590840	5448950	49.18859	85.75336	42 F/4	blue grey 2.5Y 6/4	5b	W & B (1990)	u	u		very compact; many Pz ls clasts
91KFA0286	tailings	0	16	590250	5449350	49.19228	85.76136	42 F/4	2.5Y 5/4	5b	W & B (1990)				collected near the new dam

A (ii) Trace and Minor Element Data for Clay (< 2 µm) Fraction of Till and Gravel Samples

Explanation

Sample No.	Sample number
Sed. Type	Sediment type of sample
Plot	1 - sample representative of sediment at site 0 - sample less representative of sediment at site
Zone	UTM grid zone
Easting (m)	UTM easting (metres)
Northing (m)	UTM northing (metres)
Lat. (deg)	Latitude (degrees)
Long. (deg)	Longitude (degrees)
NTS Map	National Topographic System 1:50 000 map sheet

Element		Unit of Measure	Detection Limit	Analytical Method
Al	Aluminium	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Fe	Iron	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Mn	Manganese	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Mg	Magnesium	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Ca	Calcium	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Na	Sodium	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
K	Potassium	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Sc	Scandium	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
V	Vanadium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Cr	Chromium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Co	Cobalt	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Ni	Nickel	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Cu	Copper	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Zn	Zinc	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
As	Arsenic	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
Sr	Strontium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Y	Yttrium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Mo	Molybdenum	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Ag	Silver	ppm	0.2 ppm	HCl-HNO ₃ , (3:1) ICP
Cd	Cadmium	ppm	0.2 ppm	HCl-HNO ₃ , (3:1) ICP
Sn	Tin	ppm	20 ppm	HCl-HNO ₃ , (3:1) ICP
Sb	Antimony	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
Te	Tellurium	ppm	10 ppm	HCl-HNO ₃ , (3:1) ICP
Ba	Barium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
La	Lanthanum	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
W	Tungsten	ppm	20 ppm	HCl-HNO ₃ , (3:1) ICP
Pb	Lead	ppm	2 ppm	HCl-HNO ₃ , (3:1) ICP
Bi	Bismuth	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0001	till	1	16	589650	5442450	49.13031	85.77113	4.09	3.68	412	1.25	0.66	0.97
91KFA0002	till	1	16	595850	5447500	49.17479	85.68496	4.50	5.75	772	1.72	0.53	0.97
91KFA0003	till	1	16	597930	5446620	49.16655	85.65665	4.76	5.92	1431	1.68	0.62	1.29
91KFA0004	till	1	16	606100	5455600	49.24594	85.54224	2.80	4.09	1159	2.25	6.97	1.13
91KFA0004A	till	0	16	606100	5455600	49.24594	85.54224	5.04	5.49	777	1.50	1.34	0.65
91KFA0005	till	1	16	611650	5459180	49.27715	85.46502	3.38	4.45	1002	2.69	5.55	0.91
91KFA0006	till	1	16	613500	5459670	49.28121	85.43945	2.94	3.41	664	2.38	9.16	0.53
91KFA0007	till	1	16	615800	5460070	49.28438	85.40773	2.65	3.01	500	2.16	10.00	0.30
91KFA0008	till	1	16	614500	5455000	49.23903	85.42705	4.00	4.74	1061	3.23	5.28	0.71
91KFA0009	till	1	16	582050	5441200	49.12013	85.87553	5.79	5.47	1194	1.43	1.36	0.55
91KFA0010	till	1	16	580900	5439130	49.10167	85.89171	5.57	5.54	605	1.42	0.95	0.55
91KFA0010A	till	0	16	580900	5439130	49.10167	85.89171	4.48	4.78	709	1.71	0.44	1.32
91KFA0011	till	1	16	581675	5440150	49.11074	85.88089	3.13	4.69	1225	2.33	3.84	1.35
91KFA0012	till	1	16	576770	5444720	49.15247	85.94721	2.54	3.00	480	2.06	10.00	0.34
91KFA0013	till	1	16	575130	5441375	49.12259	85.97032	4.59	4.31	485	1.40	0.40	0.77
91KFA0014	till	1	16	573080	5431870	49.03735	86.00013	2.89	3.40	808	1.90	7.36	0.35
91KFA0015	till	1	16	573475	5433240	49.04963	85.99448	5.09	5.69	1196	2.24	0.73	0.54
91KFA0016	till	1	16	584550	5442820	49.13436	85.84094	2.55	3.40	770	2.49	9.60	0.30
91KFA0017	till	1	16	584050	5442475	49.13133	85.84787	3.01	3.98	713	2.50	9.38	0.36
91KFA0018	till	1	16	585500	5443850	49.14349	85.82771	2.83	4.07	914	2.25	6.97	0.35
91KFA0019	till	1	16	588000	5442900	49.13460	85.79364	4.37	7.25	1264	2.71	0.83	0.96
91KFA0020	till	1	16	589250	5442450	49.13037	85.77661	4.03	5.49	1339	2.46	0.69	1.18
91KFA0021GF	gravel	1	16	592150	5444600	49.14928	85.73637	1.90	2.93	827	2.98	9.81	0.86
91KFA0022GF	gravel	1	16	592450	5445050	49.15328	85.73216	1.65	3.59	1919	2.17	3.16	7.39
91KFA0023	till	1	16	592180	5446550	49.16681	85.73552	5.37	5.18	1748	0.90	0.25	2.38
91KFA0024	till	1	16	592750	5446370	49.16510	85.72775	6.42	7.49	740	0.79	0.32	1.15
91KFA0025	till	1	16	591570	5449550	49.19388	85.74320	4.32	4.16	597	1.50	0.36	0.50
91KFA0026	till	1	16	591430	5450350	49.20110	85.74494	5.27	4.74	938	1.28	0.29	0.77
91KFA0027	till	1	16	586950	5450220	49.20058	85.80645	3.72	4.18	606	1.90	1.67	0.51
91KFA0028	till	1	16	588100	5448050	49.18090	85.79115	2.22	3.27	601	2.30	9.51	0.68
91KFA0029	till	1	16	592180	5443100	49.13578	85.73631	6.09	10.00	752	4.82	0.36	0.39

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0030	till	1	16	593050	5442310	49.12855	85.72456	4.34	4.24	1309	1.49	3.45	1.36
91KFA0031	till	1	16	592140	5441450	49.12095	85.73724	4.66	7.76	161	0.42	0.12	1.22
91KFA0032	till	1	16	592100	5441250	49.11916	85.73782	4.33	5.90	1920	1.42	0.84	0.80
91KFA0033	till	1	16	589130	5437050	49.08182	85.77945	6.22	8.32	1337	3.60	0.64	1.41
91KFA0034	till	1	16	589350	5437710	49.08773	85.77629	5.51	7.94	1153	2.26	0.58	1.32
91KFA0035	till	1	16	590900	5438700	49.09640	85.75484	5.57	5.71	1044	1.17	0.43	1.27
91KFA0036	till	1	16	586510	5440550	49.11367	85.81457	6.36	5.68	823	1.00	0.25	1.12
91KFA0037	till	1	16	584690	5435720	49.07049	85.84052	3.60	3.29	550	2.24	9.43	0.81
91KFA0038	till	1	16	584500	5435100	49.06494	85.84325	6.26	6.80	1191	2.10	0.57	0.92
91KFA0039	till	1	16	583900	5434650	49.06097	85.85155	4.56	6.98	1600	2.34	0.93	1.22
91KFA0040	till	1	16	582550	5431400	49.03193	85.87069	2.59	2.57	454	2.16	10.00	0.90
91KFA0041	till	1	16	582630	5431540	49.03317	85.86956	3.22	3.45	614	2.26	9.14	0.81
91KFA0042	till	1	16	574300	5449450	49.19532	85.98021	4.31	6.79	1884	1.49	0.42	1.57
91KFA0043	till	1	16	576820	5449140	49.19222	85.94569	6.53	7.09	1164	2.89	0.83	1.01
91KFA0044	till	1	16	578825	5449640	49.19646	85.91808	3.78	5.32	2019	1.32	0.47	2.29
91KFA0045	till	1	16	579550	5448850	49.18926	85.90828	4.09	4.68	778	3.16	6.57	0.89
91KFA0046	till	1	16	579100	5446720	49.17017	85.91487	4.42	4.79	371	0.88	0.26	1.02
91KFA0047	till	1	16	579700	5448800	49.18879	85.90623	4.13	6.31	1194	2.41	1.62	1.00
91KFA0048	till	1	16	579300	5449500	49.19514	85.91158	2.56	3.20	594	2.96	10.00	1.07
91KFA0049	till	1	16	578500	5450350	49.20289	85.92239	1.71	1.78	416	2.23	10.00	0.26
91KFA0050	till	1	16	577050	5449250	49.19318	85.94250	5.48	6.20	1053	2.39	0.61	0.94
91KFA0051	till	1	16	576320	5450750	49.20676	85.95224	2.71	3.20	546	1.95	9.36	0.71
91KFA0052	till	1	16	572850	5451000	49.20943	85.99982	6.75	5.57	622	1.87	0.40	0.48
91KFA0053	till	1	16	574230	5451300	49.21196	85.98083	3.61	5.58	1713	1.77	1.89	0.45
91KFA0054	till	1	16	574830	5451810	49.21648	85.97250	3.71	4.36	676	2.71	3.53	0.81
91KFA0055	till	1	16	574200	5453000	49.22726	85.98093	5.41	5.74	915	1.50	0.41	0.97
91KFA0056	till	1	16	601080	5440900	49.11460	85.61488	3.03	3.51	492	1.87	5.52	0.70
91KFA0056A	till	0	16	601080	5440900	49.11460	85.61488	3.01	3.40	490	1.80	6.13	0.41
91KFA0057	till	1	16	604030	5439630	49.10269	85.57480	2.88	3.13	441	2.08	10.00	0.43
91KFA0058	till	1	16	605650	5441650	49.12057	85.55209	2.69	3.46	2592	2.91	4.15	0.65
91KFA0059	till	1	16	607450	5442730	49.12997	85.52714	7.19	3.75	1661	0.70	0.38	0.93

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0060	till	1	16	606930	5441900	49.12260	85.53448	7.65	4.73	1356	0.82	0.26	0.83
91KFA0061	till	1	16	609700	5443750	49.13875	85.49603	4.04	4.52	659	2.09	2.10	0.60
91KFA0062	till	1	16	613000	5442930	49.13078	85.45103	4.11	4.07	621	1.78	1.69	0.33
91KFA0063	till	1	16	604740	5445025	49.15108	85.56367	3.77	4.15	566	2.42	2.84	0.57
91KFA0064	till	1	16	604750	5446350	49.16300	85.56319	3.38	3.70	569	2.14	6.65	0.58
91KFA0065	till	1	16	604750	5444860	49.14960	85.56358	3.53	4.20	898	2.28	3.67	0.78
91KFA0066	till	1	16	604340	5444080	49.14265	85.56940	3.47	4.06	1015	2.20	3.20	0.82
91KFA0067	till	1	16	600175	5438110	49.08966	85.62798	4.94	4.86	992	1.60	0.81	0.71
91KFA0068	till	1	16	599760	5438800	49.09593	85.63348	2.88	3.46	1007	2.53	6.69	0.60
91KFA0069	till	1	16	599120	5443050	49.13425	85.64120	2.45	3.67	855	2.98	6.57	1.17
91KFA0070	till	1	16	599900	5445000	49.15166	85.63004	3.18	3.60	584	2.02	6.84	0.99
91KFA0071	till	1	16	584080	5402700	48.77359	85.85567	5.98	5.28	691	1.06	0.67	0.69
91KFA0072	till	1	16	584450	5404730	48.79181	85.85022	2.42	4.56	1146	2.40	10.00	0.44
91KFA0073	till	1	16	580000	5407250	48.81506	85.91030	2.63	3.05	525	2.08	10.00	0.50
91KFA0074	till	1	16	581100	5418180	48.91322	85.89315	2.67	3.05	730	2.31	7.47	0.47
91KFA0075	till	1	16	579650	5428530	49.00650	85.91091	2.27	3.15	745	2.86	7.34	0.59
91KFA0076	till	1	16	577400	5440800	49.11714	85.93933	4.88	5.22	1244	1.65	0.44	0.59
91KFA0077	till	1	16	577370	5441050	49.11939	85.93969	3.74	6.37	799	3.60	5.01	0.70
91KFA0078	till	1	16	577400	5441280	49.12145	85.93924	5.10	5.39	1056	1.64	0.48	0.58
91KFA0079	till	1	16	576990	5441730	49.12555	85.94477	5.60	6.18	1316	2.21	0.86	0.65
91KFA0080GF	gravel	1	16	576100	5443270	49.13951	85.95667	5.20	6.18	629	1.09	1.18	0.76
91KFA0081	till	1	16	576320	5443130	49.13823	85.95368	2.54	3.54	886	2.26	8.06	0.79
91KFA0082	till	1	16	576660	5444050	49.14647	85.94885	7.56	4.13	904	0.43	0.19	2.29
91KFA0083	till	1	16	575950	5444120	49.14718	85.95857	6.18	6.88	1112	1.44	0.27	1.02
91KFA0083A	till	0	16	575830	5444000	49.14612	85.96024	4.11	6.41	1289	2.35	1.46	0.83
91KFA0084GFA	gravel	1	16	575675	5443050	49.13758	85.96254	3.19	4.31	910	1.55	0.58	0.63
91KFA0084GFB	gravel	0	16	575675	5443050	49.13758	85.96254	3.21	4.22	1446	2.33	4.18	0.62
91KFA0084GFC	gravel	0	16	575675	5443050	49.13758	85.96254	4.08	5.58	1538	2.90	4.74	0.57
91KFA0085	till	1	16	576320	5443800	49.14425	85.95356	2.41	3.00	516	2.68	10.00	0.47
91KFA0085A	till	0	16	576320	5443800	49.14425	85.95356	5.77	5.92	413	0.51	0.34	1.03
91KFA0085B	till	0	16	576320	5443800	49.14425	85.95356	1.71	1.44	117	0.15	0.17	0.77

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0086	till	1	16	576700	5440050	49.11048	85.94906	2.45	3.97	962	2.28	6.61	0.62
91KFA0087	till	1	16	602730	5452000	49.21415	85.58945	2.07	2.80	623	2.73	9.55	0.46
91KFA0088	till	1	16	604200	5452800	49.22109	85.56906	5.50	5.72	1648	1.07	0.33	1.19
91KFA0089	till	1	16	605530	5453820	49.23004	85.55054	2.40	2.85	609	2.52	10.00	0.25
91KFA0090	till	1	16	605400	5453500	49.22718	85.55241	3.33	3.85	826	2.21	2.92	0.70
91KFA0091	till	1	16	605280	5453380	49.22612	85.55408	5.58	4.76	1081	1.35	0.41	0.62
91KFA0092	till	1	16	602800	5454270	49.23455	85.58791	1.79	2.57	577	2.66	10.00	0.40
91KFA0093	till	1	16	603540	5454720	49.23847	85.57763	3.22	3.87	741	2.51	7.84	0.81
91KFA0094	till	1	16	602900	5455750	49.24784	85.58615	3.80	5.07	1471	2.27	3.13	0.96
91KFA0095	till	1	16	603320	5456450	49.25406	85.58021	3.70	4.19	733	2.86	5.27	0.83
91KFA0096	till	1	16	601800	5456390	49.25378	85.60110	2.75	3.58	575	1.91	6.57	0.58
91KFA0097	till	1	16	601200	5456300	49.25307	85.60937	2.58	5.20	1415	2.31	4.10	1.15
91KFA0098	till	1	16	601100	5453230	49.22548	85.61151	1.84	3.32	1041	2.73	8.83	0.73
91KFA0099	till	1	16	599550	5453900	49.23175	85.63263	6.48	10.00	1981	7.33	2.46	0.62
91KFA0099A	till	0	16	599550	5453900	49.23175	85.63263	2.09	3.74	883	2.82	10.00	0.48
91KFA0100	till	1	16	593370	5455100	49.24352	85.71721	3.87	6.27	1645	1.92	0.96	1.09
91KFA0101	till	1	16	594050	5454550	49.23847	85.70800	2.26	3.19	598	2.34	8.99	0.67
91KFA0102	till	1	16	595450	5454350	49.23645	85.68882	2.89	4.34	1098	2.41	5.93	0.98
91KFA0103	till	1	16	596650	5440260	49.10956	85.67573	2.06	2.77	621	2.33	8.78	0.78
91KFA0104	till	1	16	595800	5433400	49.04800	85.68900	0.84	1.31	337	3.11	9.84	0.37
91KFA0105	till	1	16	595250	5432400	49.03909	85.69675	1.82	3.08	804	2.91	5.02	1.11
91KFA0106	till	1	16	594580	5430600	49.02300	85.70634	2.44	3.27	837	1.91	9.82	0.49
91KFA0107	till	1	16	595230	5429790	49.01562	85.69764	2.61	4.37	1313	3.10	4.02	0.60
91KFA0108	till	1	16	592700	5429180	49.01052	85.73237	4.54	6.44	1272	1.79	0.50	0.64
91KFA0109	till	1	16	592950	5428450	49.00391	85.72912	4.62	6.53	1065	1.69	0.52	0.46
91KFA0110	till	1	16	591300	5424870	48.97197	85.75248	3.43	4.80	1518	1.07	0.40	0.36
91KFA0111	till	1	16	589900	5420050	48.92882	85.77267	1.88	3.05	1010	2.58	6.58	0.49
91KFA0112	till	1	16	583750	5414350	48.87842	85.85778	5.05	6.12	1080	2.85	0.78	0.46
91KFA0113	till	1	16	598250	5448130	49.18008	85.65189	3.92	7.00	1825	2.33	0.97	0.31
91KFA0114	till	1	16	597220	5449220	49.19005	85.66576	4.04	4.80	974	2.19	4.24	0.57
91KFA0115	till	1	16	608150	5452075	49.21389	85.51504	2.25	2.85	558	2.30	9.83	0.46

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0116	till	1	16	609700	5452350	49.21608	85.49368	3.10	3.65	797	2.05	8.22	0.35
91KFA0117	till	1	16	609570	5451600	49.20937	85.49567	5.27	9.35	1969	3.70	0.46	0.79
91KFA0118	till	1	16	610850	5451500	49.20823	85.47813	3.05	3.97	753	2.36	5.27	1.33
91KFA0119	till	1	16	612000	5452800	49.21972	85.46199	2.63	3.39	610	2.61	6.13	0.28
91KFA0120	till	1	16	584000	5407530	48.81705	85.85577	2.52	3.07	515	2.03	10.00	0.56
91KFA0120A	till	0	16	584000	5407530	48.81705	85.85577	2.55	3.82	692	2.61	6.09	1.10
91KFA0120B	till	0	16	584000	5407530	48.81705	85.85577	2.14	3.07	622	2.53	10.00	0.85
91KFA0121	till	1	16	584750	5408120	48.82225	85.84544	2.95	4.51	1201	1.37	0.62	0.89
91KFA0122	till	1	16	585400	5408730	48.82765	85.83646	1.49	1.86	426	2.47	10.00	0.42
91KFA0123	till	1	16	587050	5410900	48.84693	85.81351	2.99	4.97	1367	2.26	2.84	1.22
91KFA0124	till	1	16	588250	5412270	48.85909	85.79687	2.07	2.38	471	2.22	10.00	0.22
91KFA0125	till	1	16	586950	5410160	48.84029	85.81503	4.52	5.86	1283	1.83	0.93	0.37
91KFA0126	till	1	16	588230	5409650	48.83552	85.79771	1.98	3.69	697	2.60	10.00	0.24
91KFA0127	till	1	16	588150	5408650	48.82655	85.79901	3.58	5.01	738	3.69	3.53	0.48
91KFA0128	till	1	16	589280	5409490	48.83394	85.78344	3.26	5.32	1043	3.16	3.85	0.40
91KFA0128A	till	0	16	589280	5409490	48.83394	85.78344	4.08	5.79	833	3.97	2.98	0.92
91KFA0129	till	1	16	589700	5409420	48.83325	85.77773	3.05	6.35	2063	0.87	0.69	2.12
91KFA0130	till	1	16	589970	5409370	48.83276	85.77406	4.02	6.42	1588	1.50	0.69	1.22
91KFA0131	till	1	16	590700	5409810	48.83661	85.76402	5.91	3.83	462	0.98	0.38	0.98
91KFA0132	till	1	16	590700	5409950	48.83787	85.76399	4.05	4.64	1444	1.40	0.66	0.76
91KFA0133	till	1	16	591200	5410600	48.84364	85.75703	4.72	5.36	725	1.05	0.25	1.13
91KFA0134	till	1	16	593250	5440830	49.11521	85.72217	1.84	2.40	581	2.66	10.00	0.52
91KFA0135	till	1	16	595640	5440850	49.11502	85.68942	3.70	5.48	1463	1.60	0.74	1.02
91KFA0136	till	1	16	597000	5440675	49.11323	85.67083	2.32	3.00	548	2.20	10.00	0.45
91KFA0137	till	1	16	601450	5439600	49.10285	85.61015	2.32	2.89	520	2.09	9.19	0.40
91KFA0138	till	1	16	596070	5443500	49.13879	85.68290	2.50	3.18	487	1.87	7.64	0.61
91KFA0139	till	1	16	595450	5443100	49.13528	85.69149	3.30	4.27	895	2.03	4.50	0.72
91KFA0140	till	1	16	595420	5443600	49.13978	85.69179	2.94	3.54	567	1.96	6.68	0.73
91KFA0141	till	1	16	596280	5447000	49.17023	85.67918	2.56	3.49	699	2.44	5.36	0.82
91KFA0142	till	1	16	596850	5445350	49.15530	85.67176	2.65	3.48	533	2.29	3.42	0.70
91KFA0143	till	1	16	597550	5444950	49.15159	85.66226	2.53	3.73	1010	2.30	4.45	1.04

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0144	till	1	16	601050	5451000	49.20543	85.61276	5.06	4.68	1240	0.42	0.24	1.29
91KFA0145	till	1	16	599650	5453180	49.22527	85.63143	3.38	3.92	535	1.93	4.31	0.59
91KFA0146	till	1	16	581070	5432610	49.04300	85.89069	3.44	3.94	538	1.95	4.38	0.60
91KFA0147	till	1	16	582400	5434050	49.05578	85.87220	2.58	3.10	586	1.90	9.88	0.58
91KFA0148	till	1	16	581900	5432300	49.04011	85.87939	3.23	3.61	556	2.44	4.29	0.34
91KFA0148A	till	0	16	581900	5432300	49.04011	85.87939	5.30	4.14	868	1.08	0.30	0.65
91KFA0148B	till	0	16	581900	5432300	49.04011	85.87939	3.73	5.95	186	0.31	0.26	0.35
91KFA0148C	till	0	16	581900	5432300	49.04011	85.87939	0.69	0.39	23	0.05	0.04	0.97
91KFA0149	till	1	16	579860	5430780	49.02670	85.90760	3.75	5.62	942	1.67	0.86	0.50
91KFA0150	till	1	16	579230	5430630	49.02544	85.91624	2.06	2.85	662	2.13	10.00	0.28
91KFA0151	till	1	16	579950	5425800	48.98190	85.90735	3.63	4.37	859	1.47	0.56	0.64
91KFA0152	till	1	16	581000	5427350	48.99571	85.89269	3.73	3.88	442	1.19	0.33	0.83
91KFA0153	till	1	16	581400	5427800	48.99970	85.88714	4.58	4.29	767	1.08	0.39	0.96
91KFA0154	till	1	16	582175	5428710	49.00778	85.87636	3.43	3.96	565	0.91	0.26	1.20
91KFA0155	till	1	16	581730	5429120	49.01153	85.88236	1.74	2.22	463	2.20	10.00	0.54
91KFA0156	till	1	16	580800	5430525	49.02429	85.89480	5.29	5.25	549	0.80	0.33	1.27
91KFA0157	till	1	16	602000	5436675	49.07645	85.60335	3.99	5.26	1127	1.57	0.53	0.98
91KFA0158	till	1	16	601050	5436500	49.07504	85.61639	3.09	3.77	584	2.25	5.52	0.43
91KFA0159	till	1	16	602080	5434350	49.05553	85.60284	2.36	3.01	599	2.61	9.50	0.47
91KFA0160	till	1	16	604800	5434650	49.05777	85.56554	2.36	2.92	510	2.28	10.00	0.41
91KFA0161	till	1	16	604450	5434530	49.05676	85.57037	2.22	3.04	571	2.68	8.23	0.40
91KFA0166	till	1	16	611250	5428600	49.00224	85.47895	2.75	3.70	759	2.42	3.57	0.69
91KFA0167	till	1	16	611000	5428000	48.99689	85.48254	5.95	3.64	327	0.83	0.39	0.56
91KFA0168	till	1	16	603000	5426000	48.98029	85.59237	4.19	5.29	1005	4.04	3.48	0.97
91KFA0169	till	1	16	601300	5424200	48.96438	85.61604	3.70	6.05	1813	1.46	0.60	0.59
91KFA0170	till	1	16	600500	5422825	48.95215	85.62731	2.55	3.22	462	2.05	9.15	0.77
91KFA0171	till	1	16	600230	5421920	48.94405	85.63122	4.09	5.75	1130	1.09	0.35	0.87
91KFA0172	till	1	16	591200	5434900	49.06218	85.75159	3.28	4.24	1208	1.66	1.75	1.00
91KFA0173	till	1	16	589900	5434000	49.05428	85.76958	3.85	4.94	1098	1.51	2.33	0.79
91KFA0174	till	1	16	589800	5434050	49.05474	85.77094	2.46	4.15	1332	2.55	5.00	1.04
91KFA0175	till	1	16	585570	5431550	49.03286	85.82935	2.59	3.38	909	2.12	8.72	0.63

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0176	till	1	16	593080	5435500	49.06730	85.72572	2.62	3.52	731	2.10	7.24	0.63
91KFA0177	till	1	16	594180	5435750	49.06938	85.71061	1.96	2.75	615	2.35	10.00	0.28
91KFA0178	till	1	16	593700	5435750	49.06945	85.71718	1.79	2.36	539	2.78	10.00	0.28
91KFA0178A	till	0	16	593700	5435750	49.06945	85.71718	4.51	4.75	1534	1.11	0.34	0.82
91KFA0179	till	1	16	585225	5444410	49.14857	85.83135	2.34	4.46	1415	2.35	6.90	1.46
91KFA0181	till	1	16	584450	5445180	49.15560	85.84182	2.39	3.10	484	2.08	10.00	0.39
91KFA0182	till	1	16	584630	5445550	49.15891	85.83927	2.43	7.04	441	0.29	0.11	0.68
91KFA0182A	sand	0	16	584630	5445550	49.15891	85.83927	7.95	5.39	282	0.50	0.10	1.05
91KFA0183	till	1	16	585200	5444620	49.15046	85.83166	2.56	3.67	922	2.43	7.52	0.70
91KFA0184	till	1	16	581750	5447420	49.17611	85.87839	4.18	6.52	1673	2.61	2.19	1.35
91KFA0185	till	1	16	582590	5447160	49.17366	85.86691	3.34	4.41	804	1.98	1.86	0.91
91KFA0186GF	gravel	1	16	583250	5446770	49.17007	85.85794	2.90	5.24	1986	2.79	5.12	1.93
91KFA0187	till	1	16	583380	5446925	49.17144	85.85612	2.40	3.77	1232	2.51	5.18	1.67
91KFA0188GF	gravel	1	16	583380	5446925	49.17144	85.85612	2.63	5.31	3353	2.96	4.43	2.01
91KFA0189	till	1	16	588050	5444240	49.14664	85.79266	3.54	4.51	1303	1.69	3.63	1.00
91KFA0190	till	1	16	588170	5444780	49.15148	85.79090	4.23	6.48	1215	1.91	2.21	0.63
91KFA0192	till	1	16	588850	5444400	49.14796	85.78166	2.61	3.72	797	2.22	4.85	0.63
91KFA0193GF	gravel	1	16	588300	5444100	49.14534	85.78927	2.09	4.10	1066	2.38	8.30	1.02
91KFA0194	till	1	16	588100	5444120	49.14556	85.79201	5.26	6.88	769	1.02	0.25	0.98
91KFA0195GF	gravel	1	16	588900	5445260	49.15570	85.78078	2.59	6.29	2122	2.25	3.52	1.69
91KFA0196	till	1	16	576200	5440100	49.11099	85.95590	2.31	3.26	594	2.30	7.75	0.63
91KFA0197	till	1	16	574370	5436300	49.07703	85.98167	5.24	4.23	282	1.10	0.27	1.25
91KFA0198	till	1	16	570000	5439475	49.10611	86.04095	4.00	4.17	665	1.35	0.29	0.59
91KFA0199	till	1	16	569550	5435550	49.07085	86.04779	4.83	5.11	1001	2.23	1.36	0.90
91KFA0200	till	1	16	569275	5434800	49.06414	86.05168	4.74	4.90	790	2.04	0.62	0.59
91KFA0201	till	1	16	569050	5434520	49.06165	86.05481	3.73	5.20	977	2.16	0.69	0.91
91KFA0202GF	gravel	1	16	568380	5434775	49.06401	86.06393	4.08	4.94	1265	1.59	0.92	0.92
91KFA0203	till	1	16	568120	5441825	49.12745	86.06631	3.25	4.13	759	1.81	3.13	0.60
91KFA0204	till	1	16	568000	5442750	49.13578	86.06779	2.45	2.77	112	0.24	0.08	1.51
91KFA0205	till	1	16	567500	5443200	49.13989	86.07458	4.54	5.15	825	1.69	0.38	0.86
91KFA0206	till	1	16	599950	5421850	48.94347	85.63506	2.43	3.69	829	2.36	3.54	1.85

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0207	till	1	16	599430	5421120	48.93699	85.64233	5.38	7.96	1294	1.07	0.18	2.19
91KFA0208	till	1	16	599200	5420800	48.93414	85.64555	2.93	4.03	869	3.04	3.41	1.39
91KFA0209	till	1	16	598275	5419950	48.92665	85.65839	2.14	3.24	720	2.83	7.23	0.63
91KFA0210	till	1	16	597500	5419370	48.92155	85.66910	1.62	2.26	465	2.66	10.00	0.32
91KFA0211	till	1	16	596650	5418350	48.91251	85.68095	2.09	3.09	537	2.48	10.00	0.36
91KFA0212	till	1	16	596000	5417275	48.90295	85.69006	4.65	4.33	666	0.80	0.40	0.45
91KFA0213	till	1	16	595650	5416950	48.90008	85.69492	5.85	6.54	1835	0.72	0.22	0.85
91KFA0214	till	1	16	595400	5416830	48.89904	85.69836	3.58	4.39	598	2.29	3.20	0.75
91KFA0215	till	1	16	594550	5416375	48.89508	85.71005	2.28	3.66	870	3.24	6.78	0.58
91KFA0216	till	1	16	594420	5416300	48.89442	85.71185	1.90	2.49	536	2.92	10.00	0.59
91KFA0217	till	1	16	591950	5413880	48.87303	85.74608	6.97	4.21	273	1.03	0.23	0.54
91KFA0218	till	1	16	591100	5412000	48.85625	85.75809	6.29	6.39	1238	0.81	0.17	1.55
91KFA0219	till	1	16	591300	5410950	48.84677	85.75559	2.58	3.14	542	2.13	10.00	0.43
91KFA0220	till	1	16	573275	5455550	49.25031	85.99316	3.82	5.37	1976	1.86	1.58	2.28
91KFA0221	till	1	16	574120	5456600	49.25965	85.98135	4.27	6.64	813	1.60	1.55	0.43
91KFA0222	till	1	16	571170	5457750	49.27034	86.02169	3.89	5.17	558	1.79	0.44	0.71
91KFA0223	till	1	16	568050	5457000	49.26395	86.06470	5.40	8.30	1240	3.45	0.94	0.37
91KFA0224GF	gravel	1	16	580575	5455500	49.24894	85.89288	4.35	5.07	1060	1.62	1.95	1.28
91KFA0225	till	1	16	581400	5455600	49.24973	85.88153	6.14	2.93	446	0.92	0.28	1.38
91KFA0226	till	1	16	582250	5456650	49.25906	85.86964	2.32	3.23	805	2.47	10.00	0.62
91KFA0227	till	1	16	582930	5456820	49.26049	85.86026	2.50	3.49	615	2.51	6.23	0.66
91KFA0228	till	1	16	584340	5457770	49.26884	85.84068	2.09	3.03	616	2.30	10.00	0.62
91KFA0229	till	1	16	589560	5460180	49.28978	85.76841	2.19	3.66	596	3.11	6.36	0.80
91KFA0230	till	1	16	589940	5460530	49.29287	85.76311	3.03	4.47	749	3.34	6.38	0.59
91KFA0231	till	1	16	591000	5461175	49.29851	85.74838	4.16	8.45	1448	2.74	1.00	1.09
91KFA0232	till	1	16	593800	5462100	49.30640	85.70966	2.87	4.27	1006	2.58	7.28	0.84
91KFA0233	till	1	16	571560	5442730	49.13520	86.01900	3.18	4.46	713	2.69	7.15	0.58
91KFA0234	till	1	16	576270	5460200	49.29176	85.95113	3.04	5.19	1440	2.45	3.23	1.28
91KFA0235	till	1	16	577310	5461230	49.30089	85.93663	5.50	6.15	836	1.65	0.95	1.20
91KFA0236GF	gravel	1	16	577430	5461520	49.30348	85.93492	2.84	5.24	1732	2.56	5.92	1.37
91KFA0237	till	1	16	578250	5467150	49.35402	85.92254	3.27	5.19	1061	2.56	4.26	0.74

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2µm	Fe pct <2µm	Mn ppm <2µm	Mg pct <2µm	Ca pct <2µm	Na pct <2µm
91KFA0238GF	gravel	1	16	568850	5475510	49.43034	86.05051	6.30	6.71	2725	1.15	0.55	1.44
91KFA0239	till	1	16	569410	5474950	49.42524	86.04288	6.64	9.07	1186	4.09	1.22	0.56
91KFA0240	till	1	16	569710	5472400	49.40226	86.03919	3.97	5.73	1610	1.86	1.37	0.75
91KFA0241	till	1	16	566610	5470240	49.38319	86.08228	2.17	2.80	508	2.34	10.00	0.45
91KFA0242	till	1	16	565150	5471000	49.39018	86.10226	2.93	4.01	928	2.41	3.42	0.47
91KFA0243	till	1	16	563280	5472940	49.40783	86.12772	2.43	3.64	770	2.69	10.00	0.44
91KFA0244	till	1	16	560500	5475000	49.42664	86.16572	3.26	4.11	532	2.11	2.25	1.05
91KFA0245	till	1	16	557750	5474130	49.41908	86.20377	2.19	3.07	585	2.33	10.00	0.37
91KFA0246	till	1	16	552630	5471840	49.39895	86.27466	4.85	4.80	591	1.57	0.72	1.01
91KFA0247	till	1	16	547150	5471970	49.40056	86.35016	3.04	4.43	780	3.48	4.36	0.35
91KFA0248	till	1	16	541780	5470180	49.38486	86.42435	2.11	3.31	767	2.67	10.00	1.13
91KFA0249	till	1	16	599080	5454270	49.23516	85.63899	2.16	2.81	504	2.20	10.00	0.65
91KFA0250	till	1	16	598800	5454600	49.23817	85.64275	1.89	2.78	629	2.40	10.00	0.52
91KFA0251	till	1	16	598500	5454900	49.24092	85.64680	1.97	3.04	766	2.53	9.64	0.55
91KFA0252	till	1	16	597030	5454950	49.24160	85.66698	3.27	4.64	723	3.88	3.72	0.68
91KFA0253	till	1	16	597550	5455950	49.25051	85.65959	3.90	5.38	839	3.23	1.82	0.91
91KFA0254	till	1	16	598050	5456500	49.25538	85.65259	4.41	5.96	1156	2.17	0.44	0.71
91KFA0255	till	1	16	598170	5458550	49.27380	85.65044	2.08	2.85	566	2.67	7.84	0.44
91KFA0256	till	1	16	598280	5460370	49.29015	85.64848	4.49	6.82	1847	1.05	0.43	0.78
91KFA0257	till	1	16	598260	5460500	49.29132	85.64872	2.77	5.36	2092	2.39	3.59	0.63
91KFA0258	till	1	16	598775	5462650	49.31057	85.64111	2.63	3.73	588	2.49	5.79	0.58
91KFA0259	till	1	16	597250	5461910	49.30416	85.66226	3.33	4.74	807	2.70	3.02	0.47
91KFA0260	till	1	16	596400	5462850	49.31275	85.67373	3.24	4.27	629	2.38	3.13	0.75
91KFA0261	till	1	16	587000	5463850	49.32315	85.80280	3.86	5.07	476	1.11	1.04	0.38
91KFA0262	till	1	16	587700	5467280	49.33390	85.79242	2.60	3.61	633	2.43	9.29	0.37
91KFA0263	till	1	16	610080	5460810	49.29209	85.48615	1.93	3.21	862	2.49	8.26	0.28
91KFA0264	till	1	16	610050	5461250	49.29605	85.48643	2.60	3.74	661	2.12	5.66	0.69
91KFA0265	till	1	16	610720	5462650	49.30852	85.47684	2.53	3.48	656	2.25	8.46	0.56
91KFA0266	till	1	16	612120	5464920	49.32868	85.45695	2.63	3.64	832	2.12	8.73	0.52
91KFA0267	till	1	16	617440	5468500	49.35986	85.38271	3.06	4.18	733	2.32	6.86	0.63
91KFA0268	till	1	16	614820	5469550	49.36980	85.41846	2.38	3.25	634	2.14	5.67	0.55

Sample No.	Sed. Type	Plot	Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <2 µm	Fe pct <2 µm	Mn ppm <2 µm	Mg pct <2 µm	Ca pct <2 µm	Na pct <2 µm
91KFA0269	till	1	16	609600	5470880	49.38272	85.48997	3.24	4.40	1313	2.03	5.23	0.76
91KFA0270	till	1	16	607000	5471050	49.38472	85.52574	2.37	3.46	979	2.30	8.21	0.53
91KFA0271	till	1	16	605650	5470100	49.37641	85.54459	2.89	4.02	731	2.34	5.57	0.64
91KFA0272	till	1	16	607325	5464650	49.32711	85.52299	2.41	3.36	620	2.43	10.00	0.45
91KFA0273	till	1	16	584675	5400350	48.75238	85.84805	7.36	6.70	476	1.12	0.29	1.08
91KFA0274	till	1	16	585300	5400750	48.75589	85.83947	3.91	4.72	614	2.28	0.81	0.97
91KFA0275	till	1	16	585440	5400750	48.75587	85.83757	2.87	3.55	689	2.34	8.19	0.63
91KFA0276	till	1	16	585720	5401000	48.75808	85.83371	5.86	6.95	1198	2.59	0.59	0.86
91KFA0277	till	1	16	586480	5401050	48.75842	85.82336	2.84	3.67	545	1.80	8.03	0.54
91KFA0278	till	1	16	586270	5400950	48.75755	85.82623	2.47	3.58	754	2.68	10.00	0.56
91KFA0279	till	1	16	588900	5402300	48.76933	85.79017	3.60	4.55	345	1.23	0.28	1.42
91KFA0280GF	gravel	1	16	589450	5402820	48.77392	85.78257	1.18	1.63	434	1.33	10.00	0.27
91KFA0281	till	1	16	590350	5404000	48.78441	85.77007	3.08	4.59	781	2.56	3.05	0.92
91KFA0282	till	1	16	590580	5404200	48.78617	85.76689	1.69	2.22	451	2.53	10.00	0.25
91KFA0283	till	1	16	592430	5407100	48.81199	85.74106	4.38	6.20	1610	1.87	0.42	0.70
91KFA0284	till	1	16	589740	5446840	49.16978	85.76891	1.65	2.57	587	2.19	10.00	0.19
91KFA0284A	till	0	16	589740	5446840	49.16978	85.76891	1.85	2.75	586	2.16	9.97	0.20
91KFA0284B	till	0	16	589740	5446840	49.16978	85.76891	1.95	2.84	541	2.14	8.31	0.55
91KFA0285	till	1	16	590840	5448950	49.18859	85.75336	2.14	2.88	424	2.13	9.43	0.24
91KFA0286	tailings	0	16	590250	5449350	49.19228	85.76136	2.31	3.33	880	2.66	9.10	0.39

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0001	till	1	0.28	7	61	95	16	50	24	68	11	29	0.5
91KFA0002	till	1	0.59	9	77	90	22	58	536	401	12	25	0.5
91KFA0003	till	1	0.74	13	87	97	42	66	132	137	5	38	4
91KFA0004	till	1	0.63	10	62	95	32	66	85	122	7	71	0.5
91KFA0004A	till	0	0.37	12	96	126	21	82	229	92	5	27	8
91KFA0005	till	1	0.57	8	67	79	24	87	117	93	6	49	1
91KFA0006	till	1	0.46	7	55	60	15	42	38	70	7	69	0.5
91KFA0007	till	1	0.42	6	50	54	14	39	31	65	5	77	0.5
91KFA0008	till	1	0.85	9	76	86	24	69	58	109	5	61	0.5
91KFA0009	till	1	0.40	11	82	101	32	75	53	89	2	28	3
91KFA0010	till	1	0.30	16	89	110	18	60	131	98	2	31	2
91KFA0010A	till	0	0.49	17	67	104	21	63	31	87	2	25	2
91KFA0011	till	1	0.38	7	61	73	31	59	85	110	2	42	6
91KFA0012	till	1	0.45	8	49	57	15	41	46	70	2	75	0.5
91KFA0013	till	1	0.25	5	74	83	25	53	60	124	14	23	0.5
91KFA0014	till	1	0.41	7	56	63	16	39	62	68	2	65	1
91KFA0015	till	1	0.61	8	100	110	35	76	79	112	2	36	0.5
91KFA0016	till	1	0.36	7	54	65	25	51	76	89	13	63	0.5
91KFA0017	till	1	0.74	8	70	78	25	61	127	121	2	76	0.5
91KFA0018	till	1	0.42	7	58	63	21	47	232	1887	15	56	0.5
91KFA0019	till	1	0.51	15	97	276	108	249	520	593	21	35	0.5
91KFA0020	till	1	0.79	12	101	179	32	93	85	118	2	41	1
91KFA0021GF	gravel	1	0.40	2	47	52	35	50	104	116	2	70	0.5
91KFA0022GF	gravel	1	0.34	2	43	139	81	82	154	167	55	28	6
91KFA0023	till	1	0.29	9	64	114	40	59	95	196	56	13	3
91KFA0024	till	1	0.28	6	115	84	21	43	27	107	2	15	5
91KFA0025	till	1	0.51	6	65	91	20	55	24	74	2	28	2
91KFA0026	till	1	0.35	9	71	98	30	73	44	73	7	22	3
91KFA0027	till	1	0.43	9	59	83	19	54	42	82	2	35	2
91KFA0028	till	1	0.37	6	46	52	21	52	81	112	2	66	0.5
91KFA0029	till	1	0.08	20	374	131	39	43	66	111	2	68	3

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0030	till	1	0.32	13	53	93	28	53	49	75	2	29	0.5
91KFA0031	till	1	0.13	2	120	85	10	26	42	35	2	10	5
91KFA0032	till	1	0.45	27	68	138	37	97	99	105	2	31	3
91KFA0033	till	1	2.03	8	144	121	51	129	132	171	2	58	0.5
91KFA0034	till	1	0.90	6	140	124	41	79	63	107	2	25	0.5
91KFA0035	till	1	0.58	7	83	86	42	72	93	85	2	35	4
91KFA0036	till	1	0.32	9	72	155	30	98	41	82	2	17	5
91KFA0037	till	1	0.82	6	52	63	13	46	41	91	2	102	0.5
91KFA0038	till	1	0.28	8	110	145	36	87	71	133	2	42	2
91KFA0039	till	1	0.66	11	116	149	44	93	188	108	2	81	0.5
91KFA0040	till	1	0.53	5	42	47	12	31	26	59	2	97	0.5
91KFA0041	till	1	0.73	7	60	66	17	42	47	86	2	88	0.5
91KFA0042	till	1	0.62	12	92	117	69	95	233	177	2	29	4
91KFA0043	till	1	1.54	10	118	122	69	137	116	199	17	58	0.5
91KFA0044	till	1	0.57	29	66	114	40	68	69	106	2	24	3
91KFA0045	till	1	1.39	7	87	112	25	91	106	126	2	84	3
91KFA0046	till	1	0.26	2	89	72	18	39	22	57	2	16	0.5
91KFA0047	till	1	0.88	11	108	129	99	195	603	203	2	58	3
91KFA0048	till	1	0.90	2	59	57	21	47	84	142	2	90	0.5
91KFA0049	till	1	0.29	2	27	32	12	28	35	47	15	105	0.5
91KFA0050	till	1	1.12	7	98	94	57	101	95	164	2	40	0.5
91KFA0051	till	1	0.47	6	50	55	12	38	43	81	2	72	0.5
91KFA0052	till	1	0.50	9	91	123	33	84	84	93	2	32	0.5
91KFA0053	till	1	0.63	29	73	103	33	68	74	121	2	49	4
91KFA0054	till	1	0.90	9	72	82	22	77	109	133	2	54	3
91KFA0055	till	1	0.50	8	94	106	47	97	106	115	2	25	0.5
91KFA0056	till	1	0.54	6	56	65	14	54	61	85	2	58	2
91KFA0056A	till	0	0.55	6	55	68	13	42	49	78	2	60	3
91KFA0057	till	1	0.49	6	50	56	13	41	56	71	2	73	0.5
91KFA0058	till	1	0.39	9	52	61	22	62	194	84	2	40	2
91KFA0059	till	1	0.27	9	42	70	28	90	107	67	27	18	3

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0060	till	1	0.31	13	58	97	126	173	328	51	2	12	1
91KFA0061	till	1	0.66	14	68	90	19	66	82	100	11	44	0.5
91KFA0062	till	1	0.36	8	65	80	18	48	30	73	2	33	6
91KFA0063	till	1	0.64	8	67	81	16	51	33	90	2	42	3
91KFA0064	till	1	0.56	7	60	72	15	46	42	81	2	63	0.5
91KFA0065	till	1	0.45	9	62	70	28	61	70	111	2	42	1
91KFA0066	till	1	0.42	9	64	70	30	57	63	115	40	35	4
91KFA0067	till	1	0.37	27	57	94	74	105	352	81	2	33	0.5
91KFA0068	till	1	0.34	7	48	54	32	62	279	78	2	53	0.5
91KFA0069	till	1	0.54	6	62	56	27	43	134	94	13	52	0.5
91KFA0070	till	1	0.53	6	58	66	14	44	36	84	2	60	0.5
91KFA0071	till	1	0.33	6	83	82	25	57	24	81	2	21	2
91KFA0072	till	1	0.59	6	87	63	21	62	138	91	2	77	0.5
91KFA0073	till	1	0.53	6	50	69	12	39	33	74	2	86	0.5
91KFA0074	till	1	0.39	6	50	62	16	42	31	63	2	64	0.5
91KFA0075	till	1	0.28	6	49	60	21	49	92	90	2	50	0.5
91KFA0076	till	1	0.60	11	79	111	31	74	51	95	2	29	0.5
91KFA0077	till	1	0.64	9	108	104	40	101	216	246	2	58	0.5
91KFA0078	till	1	0.46	17	85	117	31	72	150	86	2	38	0.5
91KFA0079	till	1	0.34	10	103	196	50	116	167	122	20	45	7
91KFA0080GF	gravel	1	0.29	6	97	87	33	55	44	109	2	26	0.5
91KFA0081	till	1	0.42	6	57	59	28	52	107	89	2	63	0.5
91KFA0082	till	1	0.14	5	46	66	40	38	25	41	2	10	2
91KFA0083	till	1	0.36	10	94	126	75	165	108	570	2	15	3
91KFA0083A	till	0	0.74	12	108	126	110	204	570	196	2	37	2
91KFA0084GFA	gravel	1	0.50	13	66	96	21	68	63	86	2	30	5
91KFA0084GFB	gravel	0	0.54	9	66	88	36	74	100	117	12	46	0.5
91KFA0084GFC	gravel	0	0.66	11	83	125	65	101	174	243	9	45	5
91KFA0085	till	1	0.44	6	51	56	13	42	50	83	12	84	0.5
91KFA0085A	till	0	0.17	2	96	70	22	41	15	46	16	19	0.5
91KFA0085B	till	0	0.18	2	44	29	3	7	9	31	9	15	4

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0086	till	1	0.40	10	58	76	29	55	63	117	2	52	0.5
91KFA0087	till	1	0.33	8	43	59	15	47	33	78	2	61	0.5
91KFA0088	till	1	0.33	17	65	129	38	73	50	72	2	17	0.5
91KFA0089	till	1	0.41	6	42	48	14	42	39	93	2	83	0.5
91KFA0090	till	1	0.47	17	51	85	19	56	42	92	2	38	2
91KFA0091	till	1	0.42	12	64	114	27	78	43	90	2	25	0.5
91KFA0092	till	1	0.34	2	39	54	21	42	52	98	17	82	0.5
91KFA0093	till	1	0.54	9	59	88	21	68	59	112	2	61	0.5
91KFA0094	till	1	0.50	11	73	100	43	79	69	152	2	37	3
91KFA0095	till	1	0.67	13	66	96	20	70	45	107	2	50	0.5
91KFA0096	till	1	0.54	6	54	69	13	55	44	90	2	56	0.5
91KFA0097	till	1	0.45	11	84	82	46	87	120	117	2	34	7
91KFA0098	till	1	0.30	2	47	67	33	50	78	98	2	57	0.5
91KFA0099	till	1	0.14	19	223	241	79	102	1345	148	2	25	8
91KFA0099A	till	0	0.30	5	59	69	27	53	116	98	2	67	0.5
91KFA0100	till	1	0.63	21	161	82	80	91	338	130	2	35	0.5
91KFA0101	till	1	0.49	5	63	45	41	48	149	76	2	73	0.5
91KFA0102	till	1	0.54	7	74	81	44	79	135	130	20	50	4
91KFA0103	till	1	0.36	2	43	50	17	36	37	73	2	61	0.5
91KFA0104	till	1	0.16	2	22	22	8	16	35	32	8	53	0.5
91KFA0105	till	1	0.31	7	47	76	24	48	80	79	2	38	0.5
91KFA0106	till	1	0.44	6	51	55	19	43	65	72	2	70	0.5
91KFA0107	till	1	0.35	10	68	61	34	48	115	117	42	40	0.5
91KFA0108	till	1	0.77	16	100	84	34	66	152	127	2	25	0.5
91KFA0109	till	1	0.50	12	116	101	46	98	226	94	2	28	0.5
91KFA0110	till	1	0.34	14	73	79	33	55	122	64	2	21	0.5
91KFA0111	till	1	0.32	5	48	71	31	62	94	105	2	49	3
91KFA0112	till	1	0.82	6	118	127	36	94	203	122	2	52	2
91KFA0113	till	1	0.55	19	97	106	40	92	149	366	2	47	0.5
91KFA0114	till	1	0.54	10	73	91	25	60	51	101	43	49	5
91KFA0115	till	1	0.36	5	43	51	12	40	39	80	2	69	0.5

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0116	till	1	0.34	8	55	81	21	61	54	108	2	58	0.5
91KFA0117	till	1	0.22	15	78	82	35	47	268	232	2	29	3
91KFA0118	till	1	0.37	8	56	68	21	52	41	95	2	41	0.5
91KFA0119	till	1	0.46	7	51	63	17	50	43	107	2	51	0.5
91KFA0120	till	1	0.54	6	50	63	14	39	37	79	10	82	0.5
91KFA0120A	till	0	0.66	5	66	60	25	55	68	116	2	47	0.5
91KFA0120B	till	0	0.50	2	49	56	24	59	99	106	2	68	0.5
91KFA0121	till	1	0.44	10	78	87	28	59	122	95	2	30	0.5
91KFA0122	till	1	0.30	2	28	32	10	24	34	56	2	98	0.5
91KFA0123	till	1	0.29	9	75	100	60	112	252	105	2	28	4
91KFA0124	till	1	0.35	5	37	42	13	34	36	67	2	75	0.5
91KFA0125	till	1	0.40	12	90	98	46	118	283	162	2	25	0.5
91KFA0126	till	1	0.30	7	51	47	39	66	114	118	2	71	0.5
91KFA0127	till	1	1.14	8	89	110	25	77	84	136	2	40	5
91KFA0128	till	1	0.39	11	92	84	40	85	222	205	2	41	11
91KFA0128A	till	0	0.24	13	108	161	58	95	349	374	2	43	8
91KFA0129	till	1	0.32	2	48	75	82	93	162	356	19	19	2
91KFA0130	till	1	0.51	17	80	99	37	109	291	256	17	26	0.5
91KFA0131	till	1	0.26	7	47	104	23	77	88	71	2	17	0.5
91KFA0132	till	1	0.46	14	64	87	27	85	159	110	2	34	5
91KFA0133	till	1	0.29	5	59	88	24	79	71	72	16	14	0.5
91KFA0134	till	1	0.29	2	41	47	14	35	38	74	2	72	0.5
91KFA0135	till	1	0.41	20	79	89	27	49	48	126	2	27	0.5
91KFA0136	till	1	0.42	5	45	49	13	36	42	74	2	79	0.5
91KFA0137	till	1	0.42	5	44	51	13	35	36	74	15	72	0.5
91KFA0138	till	1	0.45	5	47	57	11	38	38	79	2	60	0.5
91KFA0139	till	1	0.35	7	68	75	25	55	68	98	2	38	0.5
91KFA0140	till	1	0.45	6	53	63	13	44	43	80	6	53	0.5
91KFA0141	till	1	0.30	6	46	61	18	46	66	78	2	38	0.5
91KFA0142	till	1	0.27	6	52	71	16	43	48	67	2	35	5
91KFA0143	till	1	0.50	5	55	53	32	44	137	124	49	44	3

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0144	till	1	0.14	2	59	74	23	30	23	41	2	11	0.5
91KFA0145	till	1	0.55	8	63	81	16	55	45	81	2	46	4
91KFA0146	till	1	0.56	8	64	82	16	55	45	82	2	48	0.5
91KFA0147	till	1	0.44	6	49	56	15	40	43	71	2	73	0.5
91KFA0148	till	1	0.49	9	53	66	12	47	37	78	13	50	6
91KFA0148A	till	0	0.35	7	54	90	23	56	27	63	2	17	1
91KFA0148B	till	0	0.15	2	71	47	12	26	8	30	33	23	2
91KFA0148C	till	0	0.17	2	23	8	0.5	2	4	15	2	5	0.5
91KFA0149	till	1	0.49	11	90	97	20	50	44	94	6	27	2
91KFA0150	till	1	0.35	5	42	44	15	35	50	74	2	67	0.5
91KFA0151	till	1	0.43	16	68	91	24	55	39	83	2	27	3
91KFA0152	till	1	0.21	2	60	78	21	48	21	76	39	15	0.5
91KFA0153	till	1	0.25	6	63	88	22	52	35	74	2	21	0.5
91KFA0154	till	1	0.19	2	64	70	16	40	22	63	2	11	3
91KFA0155	till	1	0.30	2	33	35	13	27	35	53	2	86	0.5
91KFA0156	till	1	0.18	6	60	88	23	47	59	60	22	13	0.5
91KFA0157	till	1	0.64	7	72	74	24	63	79	109	2	20	3
91KFA0158	till	1	0.47	7	54	71	16	56	61	80	2	48	3
91KFA0159	till	1	0.38	5	44	51	18	40	45	88	2	63	0.5
91KFA0160	till	1	0.35	5	42	48	17	51	70	79	2	70	0.5
91KFA0161	till	1	0.39	5	49	51	17	43	83	75	2	53	2
91KFA0166	till	1	0.30	7	55	68	19	51	52	76	2	33	5
91KFA0167	till	1	0.21	2	45	75	24	65	36	57	2	14	1
91KFA0168	till	1	0.38	12	108	252	39	152	116	131	2	35	1
91KFA0169	till	1	0.69	25	76	115	35	55	104	121	2	30	3
91KFA0170	till	1	0.46	5	50	60	14	40	40	77	2	71	0.5
91KFA0171	till	1	0.30	12	87	111	26	69	93	70	2	18	2
91KFA0172	till	1	0.33	20	52	85	21	50	45	85	2	24	4
91KFA0173	till	1	0.28	10	72	84	37	57	68	80	2	26	3
91KFA0174	till	1	0.37	6	61	63	53	58	108	119	2	38	5
91KFA0175	till	1	0.34	2	51	52	27	42	63	82	2	59	0.5

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0176	till	1	0.36	7	52	57	18	43	56	83	21	51	0.5
91KFA0177	till	1	0.32	11	38	50	18	30	34	73	2	57	0.5
91KFA0178	till	1	0.36	2	38	35	18	33	49	80	2	79	0.5
91KFA0178A	till	0	0.36	10	59	101	38	63	74	85	2	16	5
91KFA0179	till	1	0.31	7	61	79	46	59	79	229	7	45	3
91KFA0181	till	1	0.49	6	51	60	14	37	30	74	12	74	0.5
91KFA0182	till	1	0.25	2	56	57	9	27	33	55	2	10	5
91KFA0182A	sand	0	0.15	8	81	118	32	59	30	49	7	6	6
91KFA0183	till	1	0.36	7	53	63	29	59	58	114	2	51	0.5
91KFA0184	till	1	0.56	7	75	82	47	81	368	855	20	35	6
91KFA0185	till	1	0.54	10	60	85	29	69	54	148	16	26	1
91KFA0186GF	gravel	1	0.39	8	74	82	72	96	200	161	18	40	3
91KFA0187	till	1	0.37	5	53	57	39	63	141	147	2	38	6
91KFA0188GF	gravel	1	0.40	6	71	75	129	122	241	337	2	35	0.5
91KFA0189	till	1	0.32	9	62	73	28	55	289	727	2	30	5
91KFA0190	till	1	0.46	7	88	89	30	86	1305	7563	2	32	7
91KFA0192	till	1	0.41	7	51	65	25	61	74	121	9	41	9
91KFA0193GF	gravel	1	0.28	6	59	62	37	60	89	147	30	55	0.5
91KFA0194	till	1	0.24	10	87	124	49	85	84	124	2	13	4
91KFA0195GF	gravel	1	0.41	2	59	64	67	67	870	4027	2	31	6
91KFA0196	till	1	0.34	6	51	59	16	47	43	81	19	55	4
91KFA0197	till	1	0.34	5	61	105	33	87	61	75	13	15	2
91KFA0198	till	1	0.34	7	66	80	18	52	38	69	21	20	2
91KFA0199	till	1	0.48	10	86	130	25	72	53	124	2	30	4
91KFA0200	till	1	0.54	9	79	129	28	68	35	101	2	33	0.5
91KFA0201	till	1	0.60	10	82	110	26	80	63	128	2	30	4
91KFA0202GF	gravel	1	0.34	12	73	88	31	64	97	103	10	22	3
91KFA0203	till	1	0.35	7	64	78	20	52	68	83	2	33	8
91KFA0204	till	1	0.19	2	67	29	5	9	12	64	2	9	2
91KFA0205	till	1	0.28	7	81	94	27	60	32	150	2	19	4
91KFA0206	till	1	0.44	8	57	62	28	48	118	99	2	36	8

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0207	till	1	0.20	10	107	289	65	257	227	52	2	15	0.5
91KFA0208	till	1	0.35	10	57	81	25	61	65	121	2	38	2
91KFA0209	till	1	0.42	6	52	65	18	52	101	93	2	55	6
91KFA0210	till	1	0.27	2	35	40	17	37	63	75	2	86	0.5
91KFA0211	till	1	0.40	5	48	57	19	44	51	152	42	67	0.5
91KFA0212	till	1	0.22	7	55	86	48	163	811	185	8	17	0.5
91KFA0213	till	1	0.22	9	75	126	39	66	99	56	2	12	6
91KFA0214	till	1	0.64	8	70	93	18	68	56	91	2	37	6
91KFA0215	till	1	0.30	7	58	60	28	57	106	868	2	46	0.5
91KFA0216	till	1	0.28	2	38	45	15	38	45	221	2	68	0.5
91KFA0217	till	1	0.22	9	76	125	24	58	56	52	61	13	0.5
91KFA0218	till	1	0.24	13	90	136	34	67	67	55	21	10	4
91KFA0219	till	1	0.42	6	50	58	15	40	42	74	2	79	0.5
91KFA0220	till	1	0.46	20	73	122	52	88	103	120	27	26	4
91KFA0221	till	1	0.54	5	123	108	41	79	167	85	2	32	7
91KFA0222	till	1	0.57	10	96	148	25	110	79	96	2	18	5
91KFA0223	till	1	2.17	21	167	238	69	235	327	186	2	28	9
91KFA0224GF	gravel	1	0.19	6	88	94	39	65	62	106	2	20	7
91KFA0225	till	1	0.26	10	41	124	33	110	76	78	14	13	3
91KFA0226	till	1	0.41	6	50	57	21	50	107	80	2	71	0.5
91KFA0227	till	1	0.43	6	52	66	16	53	72	92	2	43	8
91KFA0228	till	1	0.28	2	50	58	18	46	57	66	2	62	5
91KFA0229	till	1	0.24	7	60	72	17	55	68	82	2	41	5
91KFA0230	till	1	0.74	8	79	95	24	88	93	164	2	45	3
91KFA0231	till	1	1.00	19	171	158	72	232	408	166	2	22	6
91KFA0232	till	1	0.51	7	61	69	30	66	95	117	2	54	1
91KFA0233	till	1	0.83	8	71	71	22	60	114	140	2	59	6
91KFA0234	till	1	0.50	14	83	102	43	95	96	139	2	34	6
91KFA0235	till	1	0.36	12	96	152	32	102	53	92	2	23	2
91KFA0236GF	gravel	1	0.48	8	78	92	88	119	203	155	8	46	8
91KFA0237	till	1	0.52	9	86	93	30	99	79	113	2	38	10

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0238GF	gravel	1	0.25	15	78	142	56	85	72	86	2	15	4
91KFA0239	till	1	3.30	23	195	347	48	340	348	200	2	23	5
91KFA0240	till	1	0.60	24	85	132	44	140	108	114	25	25	3
91KFA0241	till	1	0.34	5	44	51	11	38	37	64	10	74	0.5
91KFA0242	till	1	0.41	8	67	89	25	62	58	97	19	34	5
91KFA0243	till	1	0.55	8	66	84	23	74	96	116	2	73	0.5
91KFA0244	till	1	0.31	8	61	77	17	54	46	85	26	29	2
91KFA0245	till	1	0.49	6	52	68	19	46	48	76	13	78	0.5
91KFA0246	till	1	0.40	8	78	127	23	92	38	101	12	24	2
91KFA0247	till	1	0.64	8	79	102	25	83	61	95	2	31	1
91KFA0248	till	1	0.36	6	52	66	25	58	87	114	2	61	0.5
91KFA0249	till	1	0.37	2	41	49	14	41	56	77	2	72	0.5
91KFA0250	till	1	0.36	2	45	49	20	43	48	93	2	74	0.5
91KFA0251	till	1	0.36	5	50	52	27	53	72	118	17	59	0.5
91KFA0252	till	1	1.09	9	84	139	24	101	101	109	2	31	0.5
91KFA0253	till	1	1.18	13	94	157	27	129	115	127	2	26	3
91KFA0254	till	1	0.78	19	93	156	35	111	96	116	2	22	0.5
91KFA0255	till	1	0.32	6	47	56	14	46	40	70	2	49	1
91KFA0256	till	1	0.38	12	91	142	69	144	81	87	28	18	5
91KFA0257	till	1	0.42	16	74	89	62	197	305	104	34	32	9
91KFA0258	till	1	0.33	6	54	61	15	47	40	74	2	43	3
91KFA0259	till	1	0.45	8	65	79	23	73	66	97	43	31	6
91KFA0260	till	1	0.45	8	66	83	19	65	55	90	2	31	2
91KFA0261	till	1	0.23	5	91	90	19	59	32	176	2	18	4
91KFA0262	till	1	0.41	6	57	64	16	47	63	282	2	62	2
91KFA0263	till	1	0.32	5	48	49	22	49	69	80	32	52	0.5
91KFA0264	till	1	0.39	6	54	62	17	49	42	81	5	42	4
91KFA0265	till	1	0.42	6	52	57	15	50	53	82	2	56	2
91KFA0266	till	1	0.40	6	55	61	19	49	46	81	2	59	0.5
91KFA0267	till	1	0.51	7	63	77	18	56	56	91	2	46	2
91KFA0268	till	1	0.30	6	49	58	16	44	35	69	2	42	5

Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm
91KFA0269	till	1	0.36	10	65	76	27	56	56	86	2	40	6
91KFA0270	till	1	0.40	6	51	56	21	69	62	78	2	55	0.5
91KFA0271	till	1	0.36	7	60	68	18	50	50	86	23	44	0.5
91KFA0272	till	1	0.47	6	51	59	17	66	73	83	2	69	0.5
91KFA0273	till	1	0.24	7	94	116	29	65	28	72	2	16	2
91KFA0274	till	1	0.79	6	87	90	22	57	26	194	2	31	6
91KFA0275	till	1	0.46	8	57	62	18	48	55	88	2	58	10
91KFA0276	till	1	0.75	8	128	126	56	103	92	254	2	36	4
91KFA0277	till	1	0.53	7	55	67	15	60	128	96	2	58	3
91KFA0278	till	1	0.68	5	63	60	23	60	98	113	2	72	0.5
91KFA0279	till	1	0.30	2	72	91	21	71	43	93	2	12	3
91KFA0280GF	gravel	1	0.16	2	24	28	21	28	130	59	2	68	0.5
91KFA0281	till	1	0.53	9	74	76	23	62	101	118	2	33	6
91KFA0282	till	1	0.31	2	36	37	12	28	45	65	2	91	0.5
91KFA0283	till	1	0.19	14	89	123	97	207	326	373	2	15	4
91KFA0284	till	1	0.38	2	44	52	14	35	24	58	2	100	0.5
91KFA0284A	till	0	0.42	2	47	57	16	36	26	64	2	95	0.5
91KFA0284B	till	0	0.44	5	49	60	15	40	27	67	2	69	0.5
91KFA0285	till	1	0.44	5	46	57	10	36	28	69	2	73	0.5
91KFA0286	tailings	0	0.44	6	53	46	21	41	65	156	49	62	2
Sample No.	Sed. Type	Plot	K pct <2 µm	Sc ppm <2 µm	V ppm <2 µm	Cr ppm <2 µm	Co ppm <2 µm	Ni ppm <2 µm	Cu ppm <2 µm	Zn ppm <2 µm	As ppm <2 µm	Sr ppm <2 µm	Mo ppm <2 µm

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0001	till	1	14	0.1	0.1	10	2	5	117	45	10	18	2
91KFA0002	till	1	20	0.1	0.8	10	6	5	134	39	10	27	2
91KFA0003	till	1	26	1.1	0.1	10	12	5	305	116	10	33	2
91KFA0004	till	1	112	0.1	0.1	10	14	5	138	299	10	47	2
91KFA0004A	till	0	199	1.2	0.4	10	5	5	188	172	10	11	2
91KFA0005	till	1	15	0.1	0.1	10	19	5	131	34	10	28	2
91KFA0006	till	1	12	0.1	0.1	10	13	5	146	29	10	25	2
91KFA0007	till	1	12	0.2	0.1	10	11	5	107	29	10	22	2
91KFA0008	till	1	17	0.1	0.1	10	30	5	198	39	10	32	2
91KFA0009	till	1	35	0.1	0.3	10	7	5	173	84	10	18	2
91KFA0010	till	1	80	1	0.4	10	7	5	218	157	10	12	2
91KFA0010A	till	0	34	0.1	0.4	10	10	5	100	67	10	16	2
91KFA0011	till	1	31	0.1	0.1	10	20	5	111	47	10	32	2
91KFA0012	till	1	20	0.1	0.1	10	7	5	106	33	10	23	2
91KFA0013	till	1	5	0.6	0.1	10	2	5	100	15	10	15	2
91KFA0014	till	1	13	0.1	0.1	10	16	5	144	29	10	16	2
91KFA0015	till	1	11	1	0.1	10	18	5	159	48	10	13	2
91KFA0016	till	1	18	0.1	0.1	10	18	5	99	30	10	29	2
91KFA0017	till	1	13	0.4	0.1	10	16	5	211	33	10	21	2
91KFA0018	till	1	16	3.2	1.4	10	15	5	135	36	10	98	2
91KFA0019	till	1	31	0.7	1.4	10	22	5	234	177	10	55	2
91KFA0020	till	1	30	0.1	0.1	10	21	5	155	91	10	22	2
91KFA0021GF	gravel	1	10	0.5	0.1	10	22	5	89	28	10	33	2
91KFA0022GF	gravel	1	9	0.1	0.1	10	16	5	66	22	10	72	2
91KFA0023	till	1	32	0.1	0.1	10	2	5	49	51	10	25	2
91KFA0024	till	1	16	2	0.5	10	2	5	137	29	10	20	2
91KFA0025	till	1	5	0.2	0.3	10	9	5	121	20	10	31	2
91KFA0026	till	1	14	0.1	0.1	10	6	5	120	51	10	16	2
91KFA0027	till	1	25	0.6	0.1	10	6	5	125	45	10	16	2
91KFA0028	till	1	27	0.1	0.1	10	11	5	91	37	10	25	2
91KFA0029	till	1	8	0.1	0.8	10	38	5	65	8	10	1	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0030	till	1	53	0.1	0.1	10	2	5	99	105	10	22	2
91KFA0031	till	1	5	1.2	0.4	10	2	5	90	22	10	8	2
91KFA0032	till	1	110	1.4	0.5	10	13	5	266	170	10	21	2
91KFA0033	till	1	13	0.5	0.3	10	30	5	673	77	10	17	2
91KFA0034	till	1	7	0.6	0.7	10	25	5	260	41	10	10	2
91KFA0035	till	1	15	0.1	0.3	10	2	5	166	56	10	38	2
91KFA0036	till	1	27	1.2	0.1	10	2	5	80	53	10	22	2
91KFA0037	till	1	10	0.1	0.1	10	23	5	180	26	10	36	2
91KFA0038	till	1	14	1	0.2	10	18	5	129	42	10	22	2
91KFA0039	till	1	21	1.3	0.1	10	24	5	150	84	10	47	2
91KFA0040	till	1	8	0.1	0.1	10	12	5	115	21	10	32	2
91KFA0041	till	1	13	0.1	0.1	10	18	5	158	54	10	28	2
91KFA0042	till	1	27	1	0.1	10	13	5	101	78	10	27	2
91KFA0043	till	1	13	0.1	0.1	10	33	5	295	50	10	25	2
91KFA0044	till	1	142	0.1	0.9	10	2	5	102	258	10	31	2
91KFA0045	till	1	13	0.8	0.1	10	30	5	243	36	10	29	2
91KFA0046	till	1	5	0.4	0.2	10	2	5	109	17	10	18	2
91KFA0047	till	1	18	0.6	0.5	10	22	5	144	39	10	27	2
91KFA0048	till	1	10	0.5	0.1	10	19	5	159	29	10	25	2
91KFA0049	till	1	10	0.1	0.1	10	12	5	111	28	10	24	2
91KFA0050	till	1	12	0.9	0.1	10	17	5	211	44	10	19	2
91KFA0051	till	1	10	0.1	0.1	10	12	5	100	25	10	23	2
91KFA0052	till	1	12	0.1	0.1	10	9	5	262	61	10	19	2
91KFA0053	till	1	96	0.2	0.1	10	12	5	162	350	10	30	2
91KFA0054	till	1	20	0.1	0.1	10	20	5	201	39	10	33	2
91KFA0055	till	1	12	0.8	0.5	10	9	5	107	40	10	23	2
91KFA0056	till	1	9	0.1	0.1	10	8	5	117	24	10	25	2
91KFA0056A	till	0	10	0.1	0.1	10	6	5	121	27	10	21	2
91KFA0057	till	1	10	0.1	0.1	10	9	5	131	27	10	24	2
91KFA0058	till	1	22	0.1	0.1	10	19	5	111	46	10	23	2
91KFA0059	till	1	31	0.1	0.1	10	2	5	102	66	10	14	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0060	till	1	39	0.1	0.4	10	2	5	96	75	10	17	2
91KFA0061	till	1	38	0.1	0.1	10	11	5	139	66	10	20	2
91KFA0062	till	1	15	0.3	0.1	10	11	5	154	39	10	18	2
91KFA0063	till	1	12	0.8	0.1	10	21	5	128	30	10	18	2
91KFA0064	till	1	11	0.1	0.1	10	18	5	130	28	10	20	2
91KFA0065	till	1	23	0.6	0.1	10	15	5	114	43	10	31	2
91KFA0066	till	1	23	0.2	0.1	10	12	5	118	50	10	32	2
91KFA0067	till	1	68	0.4	0.1	10	7	5	122	183	10	19	2
91KFA0068	till	1	18	0.1	0.1	10	16	5	111	32	10	28	2
91KFA0069	till	1	13	0.1	0.1	10	22	5	125	38	10	29	2
91KFA0070	till	1	11	0.1	0.1	10	13	5	101	26	10	24	2
91KFA0071	till	1	10	0.6	0.4	10	2	5	152	35	10	17	2
91KFA0072	till	1	15	1.5	0.1	10	15	5	177	46	10	23	2
91KFA0073	till	1	9	0.1	0.1	10	10	5	123	27	10	19	2
91KFA0074	till	1	13	0.9	0.1	10	11	5	123	31	10	20	2
91KFA0075	till	1	13	0.1	0.1	10	20	5	103	29	10	24	2
91KFA0076	till	1	13	0.8	0.1	10	7	5	153	37	10	28	2
91KFA0077	till	1	16	2.3	0.1	10	25	5	180	40	10	19	2
91KFA0078	till	1	26	0.1	0.1	10	8	5	151	72	10	23	2
91KFA0079	till	1	15	0.1	0.1	10	20	5	115	41	10	21	2
91KFA0080GF	gravel	1	11	0.1	0.4	10	2	5	161	31	10	21	2
91KFA0081	till	1	14	0.1	0.1	10	11	5	107	45	10	25	2
91KFA0082	till	1	14	0.1	0.4	10	2	5	45	46	10	10	2
91KFA0083	till	1	15	1.1	0.1	10	2	5	87	34	10	549	2
91KFA0083A	till	0	19	1.5	0.6	10	21	5	109	39	10	19	2
91KFA0084GFA	gravel	1	42	0.1	0.1	10	2	5	88	78	10	22	2
91KFA0084GFB	gravel	0	26	0.1	0.1	10	15	5	139	47	10	30	2
91KFA0084GFC	gravel	0	29	0.1	0.3	10	20	5	202	70	10	37	2
91KFA0085	till	1	13	0.6	0.1	10	19	5	110	29	10	23	2
91KFA0085A	till	0	5	0.5	0.4	10	2	5	96	10	10	8	2
91KFA0085B	till	0	2	0.1	0.1	10	2	5	102	13	10	18	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0086	till	1	32	0.5	0.1	10	13	5	87	35	10	25	2
91KFA0087	till	1	23	0.1	0.1	10	17	5	74	34	10	23	2
91KFA0088	till	1	37	0.1	0.1	10	2	5	101	137	10	25	2
91KFA0089	till	1	16	1.6	0.1	10	16	5	124	70	10	22	2
91KFA0090	till	1	55	0.1	0.4	10	13	5	113	174	10	20	2
91KFA0091	till	1	27	0.4	0.1	10	5	5	136	70	10	23	2
91KFA0092	till	1	10	0.3	0.1	10	11	5	88	22	10	28	2
91KFA0093	till	1	19	0.1	0.1	10	15	5	130	37	10	24	2
91KFA0094	till	1	29	0.4	0.1	10	16	5	116	52	10	30	2
91KFA0095	till	1	36	0.1	0.1	10	17	5	154	44	10	19	2
91KFA0096	till	1	9	0.5	0.1	10	11	5	111	25	10	20	2
91KFA0097	till	1	50	0.7	0.1	10	16	5	148	123	10	35	2
91KFA0098	till	1	12	0.3	0.1	10	18	5	82	32	10	33	2
91KFA0099	till	1	15	1.1	0.1	10	36	5	41	21	10	1	2
91KFA0099A	till	0	12	0.1	0.1	10	18	5	89	29	10	27	2
91KFA0100	till	1	60	0.8	0.5	10	10	5	246	119	10	30	2
91KFA0101	till	1	10	0.1	0.1	10	11	5	124	127	10	27	2
91KFA0102	till	1	17	0.1	0.1	10	16	5	185	86	10	37	2
91KFA0103	till	1	9	0.1	0.1	10	13	5	66	20	10	20	2
91KFA0104	till	1	6	0.1	0.1	10	16	5	36	15	10	24	2
91KFA0105	till	1	22	0.3	0.1	10	18	5	77	59	10	21	2
91KFA0106	till	1	12	0.1	0.1	10	7	5	154	34	10	21	2
91KFA0107	till	1	34	0.1	0.1	10	21	5	123	62	10	32	2
91KFA0108	till	1	24	0.1	0.1	10	10	5	301	40	10	11	2
91KFA0109	till	1	12	0.1	0.3	10	7	5	244	21	10	14	2
91KFA0110	till	1	20	0.2	0.1	10	2	5	108	40	10	17	2
91KFA0111	till	1	13	0.1	0.1	10	17	5	97	35	10	28	2
91KFA0112	till	1	12	0.1	0.1	10	20	5	210	68	10	11	2
91KFA0113	till	1	63	0.1	0.2	10	13	5	245	117	10	49	2
91KFA0114	till	1	24	0.1	0.1	10	19	5	195	66	10	23	2
91KFA0115	till	1	12	0.1	0.1	10	10	5	89	27	10	21	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Su ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0116	till	1	24	0.5	0.1	10	12	5	130	56	10	31	2
91KFA0117	till	1	80	1.1	0.1	10	28	5	51	71	10	16	2
91KFA0118	till	1	26	0.9	0.1	10	16	5	79	46	10	24	2
91KFA0119	till	1	15	0.5	0.1	10	16	5	104	28	10	20	2
91KFA0120	till	1	9	0.1	0.1	10	7	5	114	23	10	19	2
91KFA0120A	till	0	10	0.4	0.1	10	12	5	134	50	10	21	2
91KFA0120B	till	0	7	0.1	0.1	10	13	5	99	29	10	25	2
91KFA0121	till	1	20	0.1	0.1	10	2	5	108	70	10	26	2
91KFA0122	till	1	7	0.1	0.1	10	9	5	70	19	10	23	2
91KFA0123	till	1	25	1	0.1	10	12	5	90	44	10	34	2
91KFA0124	till	1	10	0.1	0.1	10	8	5	112	24	10	19	2
91KFA0125	till	1	17	0.1	0.1	10	9	5	171	34	10	17	2
91KFA0126	till	1	19	0.1	0.1	10	11	5	130	39	10	25	2
91KFA0127	till	1	17	0.7	0.1	10	23	5	262	39	10	13	2
91KFA0128	till	1	32	0.8	0.1	10	21	5	128	57	10	28	2
91KFA0128A	till	0	24	0.6	0.1	10	26	5	101	112	10	14	2
91KFA0129	till	1	36	2	0.7	10	2	5	139	65	10	22	2
91KFA0130	till	1	45	0.1	1.2	10	2	5	221	72	10	17	2
91KFA0131	till	1	16	0.6	0.1	10	2	5	145	37	10	10	2
91KFA0132	till	1	29	0.1	0.1	10	2	5	210	57	10	26	2
91KFA0133	till	1	11	0.3	0.1	10	2	5	146	18	10	11	2
91KFA0134	till	1	9	0.1	0.1	10	15	5	105	38	10	21	2
91KFA0135	till	1	62	0.1	0.2	10	2	5	151	154	10	23	2
91KFA0136	till	1	10	0.1	0.1	10	10	5	106	28	10	17	2
91KFA0137	till	1	10	0.1	0.1	10	7	5	97	27	10	19	2
91KFA0138	till	1	8	0.2	0.1	10	9	5	87	22	10	16	2
91KFA0139	till	1	16	0.1	0.1	10	9	5	119	37	10	23	2
91KFA0140	till	1	9	0.4	0.1	10	13	5	106	23	10	17	2
91KFA0141	till	1	22	0.4	0.1	10	11	5	106	35	10	28	2
91KFA0142	till	1	12	0.2	0.1	10	12	5	105	24	10	28	2
91KFA0143	till	1	11	0.3	0.1	10	19	5	135	40	10	40	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0144	till	1	13	0.1	0.4	10	2	5	69	38	10	25	2
91KFA0145	till	1	13	0.5	0.1	10	11	5	117	28	10	28	2
91KFA0146	till	1	13	0.1	0.3	10	10	5	119	29	10	32	2
91KFA0147	till	1	10	0.1	0.1	10	13	5	94	25	10	26	2
91KFA0148	till	1	24	0.1	0.1	10	13	5	136	32	10	30	2
91KFA0148A	till	0	10	0.1	0.2	10	2	5	90	24	10	33	2
91KFA0148B	till	0	3	0.1	0.6	10	2	5	248	5	10	24	2
91KFA0148C	till	0	0.5	0.2	0.1	10	2	5	32	7	10	19	2
91KFA0149	till	1	53	0.1	0.3	10	5	5	162	134	10	27	2
91KFA0150	till	1	10	0.1	0.1	10	7	5	100	25	10	27	2
91KFA0151	till	1	43	0.1	0.3	10	2	5	80	89	10	29	2
91KFA0152	till	1	5	0.1	0.1	10	2	5	65	20	10	25	2
91KFA0153	till	1	13	0.1	0.2	10	2	5	69	43	10	21	2
91KFA0154	till	1	5	0.1	0.3	10	2	5	56	16	10	24	2
91KFA0155	till	1	7	0.1	0.1	10	8	5	68	19	10	28	2
91KFA0156	till	1	27	0.1	1.1	10	2	5	59	90	10	28	2
91KFA0157	till	1	16	0.1	0.4	10	2	5	162	43	10	25	2
91KFA0158	till	1	11	0.1	0.1	10	12	5	117	26	10	26	2
91KFA0159	till	1	10	0.1	0.1	10	13	5	88	22	10	25	2
91KFA0160	till	1	11	1	0.2	10	13	5	94	25	10	29	2
91KFA0161	till	1	11	0.6	0.4	10	17	5	97	26	10	28	2
91KFA0166	till	1	14	0.3	0.1	10	16	5	72	28	10	30	2
91KFA0167	till	1	8	0.1	0.3	10	2	5	94	21	10	22	2
91KFA0168	till	1	38	0.1	0.4	10	24	5	92	138	10	26	2
91KFA0169	till	1	77	1.5	0.8	10	2	5	207	213	10	33	2
91KFA0170	till	1	7	0.1	0.3	10	13	5	82	19	10	29	2
91KFA0171	till	1	50	0.4	0.3	10	2	5	77	71	10	34	2
91KFA0172	till	1	100	0.1	0.5	10	10	5	70	178	10	35	2
91KFA0173	till	1	35	1.1	0.3	10	9	5	124	70	10	35	2
91KFA0174	till	1	14	0.1	0.3	10	13	5	91	34	10	39	2
91KFA0175	till	1	12	0.8	0.1	10	8	5	115	31	10	33	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0176	till	1	16	0.1	0.1	10	13	5	97	32	10	31	2
91KFA0177	till	1	43	0.2	0.1	10	10	5	106	77	10	28	2
91KFA0178	till	1	9	0.3	0.1	10	16	5	113	25	10	29	2
91KFA0178A	till	0	18	0.1	0.3	10	2	5	94	53	10	32	2
91KFA0179	till	1	42	1.3	0.4	10	16	5	79	68	10	54	2
91KFA0181	till	1	11	1.4	0.1	10	2	5	110	29	10	24	2
91KFA0182	till	1	6	0.1	5.3	10	2	5	174	10	10	52	2
91KFA0182A	sand	0	19	0.1	0.6	10	2	5	39	32	10	19	2
91KFA0183	till	1	23	0.1	0.1	10	17	5	81	33	10	34	2
91KFA0184	till	1	51	1.8	3.2	10	18	5	150	82	10	238	2
91KFA0185	till	1	49	0.4	0.1	10	12	5	100	52	10	48	2
91KFA0186GF	gravel	1	45	0.1	0.2	10	18	5	109	64	10	58	2
91KFA0187	till	1	24	0.8	0.2	10	16	5	94	35	10	43	2
91KFA0188GF	gravel	1	18	2.6	0.3	10	24	5	131	42	10	80	2
91KFA0189	till	1	41	1.8	1.1	10	8	5	112	95	10	85	2
91KFA0190	till	1	33	34.6	10.9	10	15	5	230	71	10	772	2
91KFA0192	till	1	17	0.1	0.2	10	11	5	85	29	10	33	2
91KFA0193GF	gravel	1	29	0.1	0.1	10	18	5	76	40	10	41	2
91KFA0194	till	1	52	2.6	0.8	10	2	5	58	67	10	46	2
91KFA0195GF	gravel	1	23	11.5	8.3	10	19	5	106	45	10	303	2
91KFA0196	till	1	14	0.1	0.1	10	12	5	69	25	10	29	2
91KFA0197	till	1	12	0.4	0.4	10	2	5	93	47	10	21	2
91KFA0198	till	1	7	0.1	0.1	10	2	5	75	28	10	28	2
91KFA0199	till	1	20	0.2	0.5	10	2	5	211	60	10	27	2
91KFA0200	till	1	12	0.1	0.4	10	7	5	101	40	10	26	2
91KFA0201	till	1	26	0.1	0.3	10	10	5	173	93	10	28	2
91KFA0202GF	gravel	1	28	0.1	0.5	10	2	5	94	97	10	27	2
91KFA0203	till	1	17	0.8	0.2	10	8	5	124	39	10	25	2
91KFA0204	till	1	3	0.5	0.5	10	2	5	89	13	10	42	2
91KFA0205	till	1	7	0.1	0.3	10	2	5	80	19	10	36	2
91KFA0206	till	1	21	0.1	0.3	10	17	5	114	46	10	34	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0207	till	1	26	0.1	0.4	10	2	5	53	45	10	34	2
91KFA0208	till	1	34	0.1	0.3	10	18	5	76	41	10	37	2
91KFA0209	till	1	13	0.1	0.1	10	16	5	96	37	10	33	2
91KFA0210	till	1	8	0.1	0.1	10	17	5	80	24	10	28	2
91KFA0211	till	1	9	0.1	0.1	10	10	5	102	23	10	26	2
91KFA0212	till	1	23	0.1	0.4	10	2	5	75	53	10	34	2
91KFA0213	till	1	34	0.1	0.3	10	2	5	58	82	10	39	2
91KFA0214	till	1	11	0.1	0.1	10	7	5	120	27	10	29	2
91KFA0215	till	1	19	1.3	0.1	10	25	5	81	35	10	37	2
91KFA0216	till	1	12	0.3	1	10	23	5	66	25	10	32	2
91KFA0217	till	1	12	0.1	0.4	10	2	5	79	29	10	27	2
91KFA0218	till	1	47	0.1	0.3	10	2	5	49	76	10	34	2
91KFA0219	till	1	10	0.1	0.1	10	9	5	114	27	10	26	2
91KFA0220	till	1	61	0.1	0.7	10	8	5	89	212	10	43	2
91KFA0221	till	1	10	0.1	0.4	10	7	5	233	94	10	63	2
91KFA0222	till	1	13	0.5	0.4	10	2	5	140	37	10	23	2
91KFA0223	till	1	26	0.1	0.5	10	17	5	600	62	10	33	2
91KFA0224GF	gravel	1	16	0.1	0.4	10	2	5	98	37	10	66	2
91KFA0225	till	1	24	0.1	0.2	10	2	5	68	56	10	28	2
91KFA0226	till	1	14	0.1	0.1	10	13	5	93	37	10	30	2
91KFA0227	till	1	10	0.1	0.1	10	8	5	95	25	10	23	2
91KFA0228	till	1	10	0.1	0.1	10	13	5	74	36	10	29	2
91KFA0229	till	1	15	0.1	0.1	10	20	5	84	30	10	30	2
91KFA0230	till	1	12	0.1	0.1	10	22	5	149	44	10	30	2
91KFA0231	till	1	28	0.1	1.1	10	13	5	267	55	10	36	2
91KFA0232	till	1	11	0.1	0.1	10	13	5	94	27	10	37	2
91KFA0233	till	1	12	0.1	0.1	10	14	5	220	33	10	28	2
91KFA0234	till	1	34	0.9	0.2	10	19	5	116	39	10	40	2
91KFA0235	till	1	27	1.4	0.1	10	2	5	162	66	10	25	2
91KFA0236GF	gravel	1	16	0.1	0.8	10	19	5	184	43	10	54	2
91KFA0237	till	1	15	0.1	0.1	10	14	5	135	37	10	32	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0238GF	gravel	1	42	0.2	0.3	10	2	5	147	74	10	43	2
91KFA0239	till	1	10	0.1	0.5	10	21	5	788	24	10	27	2
91KFA0240	till	1	95	0.1	0.5	10	7	5	224	130	10	39	2
91KFA0241	till	1	10	0.1	0.1	10	13	5	88	26	10	25	2
91KFA0242	till	1	17	0.1	0.3	10	13	5	147	35	10	28	2
91KFA0243	till	1	10	0.1	0.1	10	16	5	141	31	10	33	2
91KFA0244	till	1	18	0.1	0.3	10	12	5	80	33	10	26	2
91KFA0245	till	1	10	0.1	0.1	10	13	5	133	26	10	24	2
91KFA0246	till	1	16	0.1	0.3	10	2	5	192	39	10	20	2
91KFA0247	till	1	13	0.1	0.1	10	13	5	239	33	10	31	2
91KFA0248	till	1	9	0.1	0.1	10	16	5	98	23	10	33	2
91KFA0249	till	1	8	0.1	0.1	10	7	5	83	22	10	26	2
91KFA0250	till	1	9	0.4	0.1	10	11	5	90	27	10	30	2
91KFA0251	till	1	10	0.1	0.1	10	14	5	110	30	10	28	2
91KFA0252	till	1	14	0.1	0.3	10	20	5	274	52	10	27	2
91KFA0253	till	1	30	0.1	0.1	10	25	5	263	64	10	27	2
91KFA0254	till	1	27	0.2	0.3	10	5	5	179	54	10	30	2
91KFA0255	till	1	11	0.1	0.1	10	18	5	107	25	10	25	2
91KFA0256	till	1	36	0.1	0.5	10	2	5	155	71	10	39	2
91KFA0257	till	1	65	0.1	0.1	10	15	5	247	98	10	45	2
91KFA0258	till	1	13	0.1	0.1	10	17	5	88	29	10	28	2
91KFA0259	till	1	22	0.2	0.1	10	11	5	129	39	10	34	2
91KFA0260	till	1	16	0.1	0.1	10	13	5	94	32	10	25	2
91KFA0261	till	1	9	0.1	0.4	10	2	5	131	21	10	29	2
91KFA0262	till	1	11	0.1	0.1	10	13	5	123	26	10	27	2
91KFA0263	till	1	13	0.2	0.1	10	12	5	102	27	10	34	2
91KFA0264	till	1	12	0.3	0.1	10	7	5	73	25	10	25	2
91KFA0265	till	1	10	1.3	0.1	10	12	5	106	23	10	25	2
91KFA0266	till	1	12	0.1	0.1	10	6	5	96	30	10	27	2
91KFA0267	till	1	11	0.5	0.1	10	8	5	131	25	10	25	2
91KFA0268	till	1	12	0.6	0.1	10	11	5	74	26	10	28	2

Sample No.	Sed. Type	Plot	Y ppm <2 µm	Cd ppm <2 µm	Ag ppm <2 µm	Sn ppm <2 µm	Sb ppm <2 µm	Te ppm <2 µm	Ba ppm <2 µm	La ppm <2 µm	W ppm <2 µm	Pb ppm <2 µm	Bi ppm <2 µm
91KFA0269	till	1	33	0.6	0.1	52	2	5	95	66	10	31	2
91KFA0270	till	1	11	0.1	0.1	10	14	5	89	23	10	30	2
91KFA0271	till	1	14	0.3	0.1	10	9	5	81	28	10	28	2
91KFA0272	till	1	11	0.1	0.1	10	10	5	118	26	10	28	2
91KFA0273	till	1	21	0.1	0.4	10	2	5	109	68	10	17	2
91KFA0274	till	1	12	0.1	0.7	10	2	5	186	73	10	21	2
91KFA0275	till	1	18	0.8	0.2	10	17	5	111	69	10	28	2
91KFA0276	till	1	14	0.1	0.1	10	8	5	221	84	10	35	2
91KFA0277	till	1	11	0.2	0.1	10	9	5	136	24	10	24	2
91KFA0278	till	1	9	0.1	0.1	10	12	5	145	69	10	27	2
91KFA0279	till	1	5	0.1	0.4	43	2	5	80	18	10	20	2
91KFA0280GF	gravel	1	10	0.1	0.1	10	2	5	103	32	10	26	2
91KFA0281	till	1	21	0.1	0.4	10	9	5	153	46	10	27	2
91KFA0282	till	1	8	0.1	0.1	10	10	5	99	25	10	25	2
91KFA0283	till	1	19	0.6	0.6	10	5	5	52	59	10	111	2
91KFA0284	till	1	10	0.4	0.1	105	5	5	71	29	10	22	2
91KFA0284A	till	0	10	0.1	0.1	10	6	5	72	30	10	26	2
91KFA0284B	till	0	9	0.1	0.1	10	9	5	73	28	10	21	2
91KFA0285	till	1	10	0.1	0.1	10	9	5	105	30	10	25	2
91KFA0286	tailings	0	18	0.1	0.1	10	12	5	122	100	10	35	2

A (iii) Trace and Minor Element Data for Silt plus Clay (< 63 µm) Fraction of Till and Gravel Samples

Explanation

Sample No.	Sample number
Sed. Type	Sediment type of sample
Plot	1 - sample representative of sediment at site 0 - sample less representative of sediment at site
Zone	UTM grid zone
Easting (m)	UTM easting (metres)
Northing (m)	UTM northing (metres)
Lat. (deg)	Latitude (degrees)
Long. (deg)	Longitude (degrees)
NTS Map	National Topographic System 1:50 000 map sheet

Element		Unit of Measure	Detection Limit	Analytical Method
Al	Aluminium	pct	0.05%	HCl-HNO ₃ , (3:1) ICP
Fe	Iron	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Mn	Manganese	ppm	50 ppm	HCl-HNO ₃ , (3:1) ICP
Mg	Magnesium	pct	0.05%	HCl-HNO ₃ , (3:1) ICP
Ca	Calcium	pct	0.01%	HCl-HNO ₃ , (3:1) ICP
Na	Sodium	pct	0.05%	HCl-HNO ₃ , (3:1) ICP
K	Potassium	pct	0.05%	HCl-HNO ₃ , (3:1) ICP
Sc	Scandium	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
V	Vanadium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Cr	Chromium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Co	Cobalt	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Ni	Nickel	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Cu	Copper	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Zn	Zinc	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
As	Arsenic	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
Sr	Strontium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Y	Yttrium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Mo	Molybdenum	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Ag	Silver	ppm	0.2 ppm	HCl-HNO ₃ , (3:1) ICP
Cd	Cadmium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
Sn	Tin	ppm	20 ppm	HCl-HNO ₃ , (3:1) ICP
Sb	Antimony	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
Te	Tellurium	ppm	10 ppm	HCl-HNO ₃ , (3:1) ICP
Ba	Barium	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
La	Lanthanum	ppm	1 ppm	HCl-HNO ₃ , (3:1) ICP
W	Tungsten	ppm	20 ppm	HCl-HNO ₃ , (3:1) ICP
Pb	Lead	ppm	2 ppm	HCl-HNO ₃ , (3:1) ICP
Bi	Bismuth	ppm	5 ppm	HCl-HNO ₃ , (3:1) ICP
Pd	Palladium	ppb	1 ppm	Aqua Regia Fire Assay/DCP
Pt	Platinum	ppb	3 ppm	Aqua Regia Fire Assay/DCP
Au	Gold	ppb	1 ppm	Aqua Regia Fire Assay/DCP

Sample No.	Sed. Type	Plot	Grid Zone	Eastling m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0001	till	1	16	589650	5442450	49.13031	85.77113	1.18	1.18	119	0.25	0.71	0.05	0.12
91KFA0002	till	1	16	595850	5447500	49.17479	85.68496	1.93	2.81	351	0.77	0.82	0.06	0.38
91KFA0003	till	1	16	597930	5446620	49.16655	85.65665	0.79	1.61	295	0.27	0.49	0.06	0.24
91KFA0004	till	1	16	606100	5455600	49.24594	85.54224	0.62	1.33	262	2.19	8.71	0.07	0.21
91KFA0004A	till	0	16	606100	5455600	49.24594	85.54224	0.66	1.05	145	0.17	0.43	0.05	0.12
91KFA0005	till	1	16	611650	5459180	49.27715	85.46502	0.52	0.95	203	2.81	9.25	0.05	0.13
91KFA0006	till	1	16	613500	5459670	49.28121	85.43945	0.7	1.05	250	2.91	10	0.06	0.13
91KFA0007	till	1	16	615800	5460070	49.28438	85.40773	0.92	1.28	286	3	10	0.07	0.17
91KFA0008	till	1	16	614500	5455000	49.23903	85.42705	0.59	1.01	248	3.17	10	0.06	0.15
91KFA0009	till	1	16	582050	5441200	49.12013	85.87553	1.02	1.33	258	0.63	1.87	0.06	0.14
91KFA0010	till	1	16	580900	5439130	49.10167	85.89171	0.89	1.12	274	0.16	0.35	0.05	0.1
91KFA0010A	till	0	16	580900	5439130	49.10167	85.89171	1.7	1.99	417	0.36	0.43	0.06	0.23
91KFA0011	till	1	16	581675	5440150	49.11074	85.88089	0.28	0.86	156	2.45	8.51	0.05	0.08
91KFA0012	till	1	16	576770	5444720	49.15247	85.94721	0.45	0.87	168	2.37	10	0.06	0.12
91KFA0013	till	1	16	575130	5441375	49.12259	85.97032	0.85	1.02	118	0.17	0.23	0.05	0.09
91KFA0014	till	1	16	573080	5431870	49.03735	86.00013	0.81	1.12	262	2.42	10	0.06	0.14
91KFA0015	till	1	16	573475	5433240	49.04963	85.99448	0.96	1.6	251	0.35	0.48	0.05	0.22
91KFA0016	till	1	16	584550	5442820	49.13436	85.84094	0.47	0.95	211	2.45	10	0.05	0.11
91KFA0017	till	1	16	584050	5442475	49.13133	85.84787	0.58	1.25	205	1.82	7.88	0.05	0.17
91KFA0018	till	1	16	585500	5443850	49.14349	85.82771	0.49	0.9	199	2.48	9.62	0.05	0.11
91KFA0019	till	1	16	588000	5442900	49.13460	85.79364	0.7	1.72	180	0.35	0.77	0.06	0.15
91KFA0020	till	1	16	589250	5442450	49.13037	85.77661	0.65	1.24	243	0.26	0.5	0.06	0.16
91KFA0021GF	gravel	1	16	592150	5444600	49.14928	85.79637	0.32	0.9	188	2.08	8.78	0.05	0.1
91KFA0022GF	gravel	1	16	592450	5445050	49.15328	85.79216	0.3	1.14	216	1.63	7.06	0.05	0.1
91KFA0023	till	1	16	592180	5446550	49.16681	85.73552	1.24	1.8	408	0.24	0.46	0.05	0.14
91KFA0024	till	1	16	592750	5446370	49.16510	85.72775	1.27	1.7	202	0.16	0.28	0.06	0.14
91KFA0025	till	1	16	591570	5449550	49.19388	85.74320	1.76	1.92	249	0.39	0.31	0.05	0.22
91KFA0026	till	1	16	591430	5450350	49.20110	85.74494	1.42	1.67	351	0.25	0.29	0.05	0.14
91KFA0027	till	1	16	586950	5450220	49.20058	85.80645	0.94	1.2	206	2.15	5.63	0.05	0.14
91KFA0028	till	1	16	588100	5448050	49.18090	85.79115	0.31	0.85	151	2.27	9.94	0.05	0.09
91KFA0029	till	1	16	592180	5443100	49.13578	85.73631	2.83	4.94	333	1.53	0.35	0.04	0.1
91KFA0030	till	1	16	593050	5442310	49.12835	85.72456	0.79	1.18	259	0.54	1.98	0.05	0.12
91KFA0031	till	1	16	592140	5441450	49.12095	85.73724	1.03	1.64	66	0.12	0.16	0.04	0.09
91KFA0032	till	1	16	592100	5441250	49.11916	85.73782	0.52	1.16	229	0.34	0.96	0.05	0.12
91KFA0033	till	1	16	589130	5437050	49.08182	85.77945	1.28	2.24	327	0.56	0.61	0.07	0.56
91KFA0034	till	1	16	589350	5437710	49.08773	85.77629	1.4	2.38	319	0.57	0.68	0.07	0.48
91KFA0035	till	1	16	590900	5438700	49.09640	85.75484	0.93	1.49	242	0.28	0.47	0.06	0.16

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0036	till	1	16	586510	5440550	49.11367	85.81457	1.29	1.69	375	0.3	0.43	0.07	0.1
91KFA0037	till	1	16	584690	5435720	49.07049	85.84052	0.67	0.98	242	2.92	10	0.08	0.14
91KFA0038	till	1	16	584500	5435100	49.06494	85.84325	1.32	1.75	265	0.46	0.57	0.07	0.1
91KFA0039	till	1	16	583900	5434650	49.06097	85.85155	0.83	1.61	284	0.42	0.62	0.08	0.15
91KFA0040	till	1	16	582550	5431400	49.03193	85.87069	0.53	0.87	203	3.02	10	0.07	0.1
91KFA0041	till	1	16	582630	5431540	49.03317	85.86956	0.66	1.26	241	2.31	8.6	0.07	0.16
91KFA0042	till	1	16	574300	5449450	49.19532	85.98021	0.88	2.46	358	0.35	0.55	0.08	0.2
91KFA0043	till	1	16	576820	5449140	49.19222	85.94569	1.82	3.11	421	0.76	0.75	0.13	0.43
91KFA0044	till	1	16	578825	5449640	49.19646	85.91808	0.47	1.29	243	0.17	0.5	0.07	0.09
91KFA0045	till	1	16	579550	5448850	49.18926	85.90828	0.57	0.98	202	2.51	8.72	0.08	0.16
91KFA0046	till	1	16	579100	5446720	49.17017	85.91487	1.56	1.77	145	0.28	0.24	0.05	0.1
91KFA0047	till	1	16	579700	5448800	49.18879	85.90623	0.78	3.4	302	0.43	0.81	0.09	0.21
91KFA0048	till	1	16	579300	5449500	49.19514	85.91158	0.31	0.81	152	2.61	9.61	0.06	0.09
91KFA0049	till	1	16	578500	5450350	49.20289	85.92239	0.39	0.76	159	2.53	10	0.05	0.06
91KFA0050	till	1	16	577050	5449250	49.19318	85.94250	1.62	2.53	392	0.71	0.67	0.08	0.38
91KFA0051	till	1	16	576320	5450750	49.20676	85.95224	0.76	1.13	264	2.8	10	0.06	0.13
91KFA0052	till	1	16	572850	5451000	49.20943	85.99982	1.46	1.73	177	0.44	0.41	0.07	0.13
91KFA0053	till	1	16	574230	5451300	49.21196	85.98083	0.61	1.51	342	0.89	2.75	0.06	0.12
91KFA0054	till	1	16	574830	5451810	49.21648	85.97250	0.54	1.12	253	2.75	9.43	0.07	0.12
91KFA0055	till	1	16	574200	5453000	49.22726	85.98093	1.34	2.21	277	0.39	0.47	0.08	0.18
91KFA0056	till	1	16	601080	5440900	49.11460	85.61488	0.62	0.95	206	2.62	9.42	0.05	0.1
91KFA0056A	till	0	16	601080	5440900	49.11460	85.61488	1	1.28	339	2.69	10	0.06	0.17
91KFA0057	till	1	16	604030	5439630	49.10269	85.57480	1.03	1.43	260	2.85	10	0.06	0.16
91KFA0058	till	1	16	605650	5441650	49.12057	85.55209	0.31	0.66	440	2.97	8.51	0.05	0.05
91KFA0059	till	1	16	607450	5442730	49.12997	85.52714	1.05	1.04	233	0.17	0.48	0.06	0.06
91KFA0060	till	1	16	606930	5441900	49.12260	85.53448	0.91	1.2	200	0.18	0.51	0.07	0.06
91KFA0061	till	1	16	609700	5443750	49.13875	85.49603	0.74	1.08	237	2.41	6.54	0.06	0.13
91KFA0062	till	1	16	613000	5442930	49.13078	85.45103	1.18	1.3	235	1.27	2.68	0.06	0.12
91KFA0063	till	1	16	604740	5445025	49.15108	85.56367	1.72	1.97	443	3.23	8.6	0.08	0.3
91KFA0064	till	1	16	604750	5446350	49.16300	85.56319	1.23	1.49	338	3.03	10	0.08	0.21
91KFA0065	till	1	16	604750	5444860	49.14960	85.56358	0.6	0.92	191	2.42	7.22	0.05	0.08
91KFA0066	till	1	16	604340	5444080	49.14265	85.56940	0.41	0.8	172	2.78	7.92	0.05	0.07
91KFA0067	till	1	16	600175	5438110	49.08966	85.62798	0.75	1.14	219	0.51	1.35	0.06	0.08
91KFA0068	till	1	16	599760	5438800	49.09593	85.63348	0.4	0.86	148	2.39	7.94	0.06	0.05
91KFA0069	till	1	16	599120	5443050	49.13425	85.64120	0.31	0.82	161	2.45	8.54	0.06	0.08
91KFA0070	till	1	16	599900	5445000	49.15166	85.63004	0.72	1.07	230	2.31	8.6	0.06	0.12
91KFA0071	till	1	16	584080	5402700	48.77359	85.85567	1.37	1.44	146	0.24	0.43	0.06	0.09

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0072	till	1	16	584450	5404730	48.79181	85.85022	0.52	1.14	397	3.61	10	0.07	0.13
91KFA0073	till	1	16	580000	5407250	48.81506	85.91030	0.79	1.1	303	2.99	10	0.08	0.16
91KFA0074	till	1	16	581100	5418180	48.91322	85.89315	0.75	0.98	256	3.1	10	0.09	0.13
91KFA0075	till	1	16	579650	5428530	49.00650	85.91091	0.4	0.72	182	3.19	10	0.07	0.07
91KFA0076	till	1	16	577400	5440800	49.11714	85.93933	1.28	1.79	364	0.36	0.46	0.06	0.17
91KFA0077	till	1	16	577370	5441050	49.11939	85.93969	0.7	1.61	253	2.39	7.77	0.07	0.11
91KFA0078	till	1	16	577400	5441280	49.12145	85.93924	1.27	1.98	322	0.41	0.53	0.07	0.13
91KFA0079	till	1	16	576990	5441730	49.12555	85.94477	1.39	2.16	379	0.52	0.66	0.07	0.1
91KFA0080GF	gravel	1	16	576100	5443270	49.13951	85.95667	1.47	2.16	194	0.75	2.34	0.06	0.11
91KFA0081	till	1	16	576320	5443130	49.13823	85.95368	0.35	0.86	172	2.4	8.74	0.05	0.08
91KFA0082	till	1	16	576660	5444050	49.14647	85.94885	1.62	1.64	245	0.29	0.43	0.05	0.09
91KFA0083	till	1	16	575950	5444120	49.14718	85.95857	1.4	2.2	331	0.34	0.33	0.06	0.11
91KFA0083A	till	1	16	575830	5444000	49.14612	85.96024	1.27	2.59	469	0.54	0.48	0.07	0.26
91KFA0084GEA	gravel	1	16	575675	5443050	49.13758	85.96254	0.73	1.44	475	0.27	0.4	0.06	0.13
91KFA0084GFB	gravel	0	16	575675	5443050	49.13758	85.96254	0.78	1.6	458	2.57	8.82	0.07	0.15
91KFA0084GFC	gravel	0	16	575675	5443050	49.13758	85.96254	1.12	2.93	444	4.21	10	0.07	0.22
91KFA0085	till	1	16	576320	5443800	49.14425	85.95356	0.41	0.92	177	2.85	10	0.06	0.08
91KFA0085A	till	0	16	576320	5443800	49.14425	85.95356	1.73	2.03	152	0.2	0.34	0.06	0.08
91KFA0085B	till	0	16	576320	5443800	49.14425	85.95356	0.38	0.48	65	0.04	0.1	0.07	0.06
91KFA0086	till	1	16	576700	5440050	49.11048	85.94906	0.36	0.91	192	2.34	9	0.05	0.07
91KFA0087	till	1	16	602730	5452000	49.21415	85.58945	0.29	0.69	147	1.91	8.01	0.05	0.06
91KFA0088	till	1	16	604200	5452800	49.22109	85.56906	1.13	1.7	343	0.3	0.56	0.05	0.1
91KFA0089	till	1	16	605330	5453820	49.23004	85.55054	0.57	1.03	221	2.56	9.18	0.06	0.1
91KFA0090	till	1	16	605400	5453500	49.22718	85.55241	0.62	1.16	241	1.89	5.13	0.06	0.1
91KFA0091	till	1	16	605280	5453380	49.22612	85.55408	1.09	1.4	266	0.24	0.39	0.07	0.11
91KFA0092	till	1	16	602800	5454270	49.23455	85.58791	0.32	0.83	166	2.57	10	0.06	0.06
91KFA0093	till	1	16	603540	5454720	49.23847	85.57763	0.44	0.85	176	2.36	8.21	0.06	0.08
91KFA0094	till	1	16	602900	5455750	49.24784	85.58615	0.65	1.28	289	2.48	8.4	0.06	0.1
91KFA0095	till	1	16	603320	5456450	49.25406	85.58021	0.6	1.02	226	2.84	9.81	0.08	0.11
91KFA0096	till	1	16	601800	5456390	49.25378	85.60110	0.88	1.2	295	2.99	10	0.06	0.17
91KFA0097	till	1	16	601200	5456300	49.25307	85.60937	0.45	1.15	239	3.04	9.24	0.05	0.1
91KFA0098	till	1	16	601100	5453230	49.22548	85.61151	0.4	1.05	216	2.69	10	0.05	0.1
91KFA0099	till	1	16	599550	5453900	49.23175	85.63263	2.33	4.56	829	4.17	8.02	0.05	0.07
91KFA0099A	till	0	16	599550	5453900	49.23175	85.63263	0.48	1.18	247	2.97	10	0.06	0.08
91KFA0100	till	1	16	593370	5455100	49.24352	85.71721	0.63	1.67	240	1.25	2.61	0.07	0.13
91KFA0101	till	1	16	594050	5454550	49.23847	85.70800	0.73	1.9	244	2.82	10	0.07	0.19
91KFA0102	till	1	16	595450	5454350	49.23645	85.68882	0.82	1.92	332	2.1	7.7	0.07	0.22

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0103	till	1	16	596650	5440260	49.10956	85.67573	0.35	0.81	200	3.08	10	0.06	0.07
91KFA0104	till	1	16	595800	5433400	49.04800	85.68900	0.28	0.68	151	2.78	9.78	0.05	0.06
91KFA0105	till	1	16	595250	5432400	49.03909	85.69675	0.36	0.93	177	2.61	7.89	0.05	0.07
91KFA0106	till	1	16	594580	5430600	49.02300	85.70634	0.39	0.85	186	2.53	9.1	0.05	0.08
91KFA0107	till	1	16	595230	5429790	49.01562	85.69764	0.59	1.35	252	2.49	6.72	0.06	0.1
91KFA0108	till	1	16	592700	5429180	49.01052	85.73237	0.85	1.66	301	0.32	0.45	0.07	0.17
91KFA0109	till	1	16	592950	5428450	49.00391	85.72912	1	1.68	203	0.29	0.33	0.06	0.12
91KFA0110	till	1	16	591300	5424870	48.97197	85.75248	0.57	1.24	251	0.19	0.36	0.06	0.09
91KFA0111	till	1	16	589900	5420050	48.92882	85.77267	0.36	0.85	206	2.83	9.7	0.05	0.07
91KFA0112	till	1	16	583750	5414350	48.87842	85.85778	1.24	1.86	351	0.67	0.69	0.06	0.22
91KFA0113	till	1	16	598250	5448130	49.18008	85.65189	0.99	2.38	443	0.54	0.68	0.06	0.17
91KFA0114	till	1	16	597220	5449220	49.19005	85.66576	0.9	1.36	261	1.61	5.41	0.06	0.14
91KFA0115	till	1	16	608150	5452075	49.21389	85.51504	0.26	0.58	144	3.14	10	0.05	0.06
91KFA0116	till	1	16	609700	5452350	49.21608	85.49368	0.61	1.07	209	2.15	8.14	0.06	0.09
91KFA0117	till	1	16	609570	5451600	49.20937	85.49567	2.1	4.28	793	1.48	0.47	0.06	0.11
91KFA0118	till	1	16	610850	5451500	49.20823	85.47813	0.44	0.89	191	2.81	8.92	0.06	0.07
91KFA0119	till	1	16	612000	5452800	49.21972	85.46199	0.46	0.84	207	3.15	10	0.07	0.09
91KFA0120	till	1	16	584000	5407530	48.81705	85.85577	0.83	1.15	269	3.2	10	0.08	0.18
91KFA0120A	till	0	16	584000	5407530	48.81705	85.85577	0.53	1.27	216	2.49	9.49	0.05	0.14
91KFA0120B	till	0	16	584000	5407530	48.81705	85.85577	0.58	1.19	253	2.64	10	0.06	0.15
91KFA0121	till	1	16	584750	5408120	48.82225	85.84544	0.93	2.09	391	0.46	0.79	0.07	0.22
91KFA0122	till	1	16	585400	5408730	48.82765	85.83646	0.46	0.81	201	2.94	10	0.06	0.1
91KFA0123	till	1	16	587050	5410900	48.84693	85.81351	0.78	1.56	306	2.16	6.58	0.07	0.1
91KFA0124	till	1	16	588250	5412270	48.85909	85.79687	0.54	0.88	208	2.94	10	0.06	0.1
91KFA0125	till	1	16	586950	5410160	48.84029	85.81503	1.12	2.02	423	0.42	0.58	0.08	0.12
91KFA0126	till	1	16	588230	5409650	48.83552	85.79771	0.78	1.25	177	2.33	7.91	0.09	0.1
91KFA0127	till	1	16	588150	5408650	48.82655	85.79901	0.9	1.6	274	2.89	7.09	0.08	0.25
91KFA0128	till	1	16	589280	5409490	48.83394	85.78344	0.4	1.02	177	2.7	6.31	0.07	0.07
91KFA0128A	till	0	16	589280	5409490	48.83394	85.78344	0.84	1.42	250	2.8	7.5	0.05	0.07
91KFA0129	till	1	16	589700	5409420	48.83325	85.77773	0.62	1.72	303	0.25	0.5	0.05	0.12
91KFA0130	till	1	16	589970	5409370	48.83276	85.77406	0.81	1.67	305	0.37	0.52	0.06	0.2
91KFA0131	till	1	16	590700	5409810	48.83661	85.76402	1.14	0.98	157	0.19	0.38	0.05	0.09
91KFA0132	till	1	16	590700	5409950	48.83787	85.76399	0.72	1.19	371	0.23	0.55	0.06	0.1
91KFA0133	till	1	16	591200	5410600	48.84364	85.75703	1.19	1.56	211	0.22	0.27	0.05	0.11
91KFA0134	till	1	16	593250	5440830	49.11521	85.72217	0.28	0.63	167	3.23	10	0.06	0.05
91KFA0135	till	1	16	595640	5440850	49.11502	85.68942	0.77	1.47	264	0.45	0.85	0.06	0.13
91KFA0136	till	1	16	597000	5440675	49.11323	85.67083	0.47	0.8	211	3.61	10	0.06	0.1

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0137	till	1	16	601450	5439600	49.10285	85.61015	0.6	0.94	222	3.26	10	0.07	0.12
91KFA0138	till	1	16	596070	5443500	49.13879	85.68290	0.77	1.07	268	3.31	10	0.05	0.14
91KFA0139	till	1	16	595450	5443100	49.13528	85.69149	0.61	1	248	2.83	9.43	0.05	0.09
91KFA0140	till	1	16	595420	5443600	49.13978	85.69179	0.88	1.21	308	3.14	10	0.06	0.15
91KFA0141	till	1	16	596280	5447000	49.17023	85.67918	0.53	0.91	222	3.41	9.46	0.04	0.07
91KFA0142	till	1	16	596850	5445350	49.15530	85.67176	0.6	0.9	195	3.47	9.49	0.04	0.08
91KFA0143	till	1	16	597550	5444950	49.15159	85.66226	0.42	1.12	185	2.12	7.21	0.04	0.11
91KFA0144	till	1	16	601050	5451000	49.20543	85.61276	1.17	1.44	254	0.22	0.39	0.04	0.07
91KFA0145	till	1	16	599650	5453180	49.22527	85.63143	1.29	1.59	353	2.86	9.19	0.05	0.21
91KFA0146	till	1	16	581070	5432610	49.04300	85.89069	0.47	0.8	184	3.15	10	0.04	0.07
91KFA0147	till	1	16	582400	5434050	49.05578	85.87220	0.85	1.17	291	3.27	10	0.05	0.15
91KFA0148	till	1	16	581900	5432300	49.04011	85.87939	0.54	0.84	193	3.32	8.96	0.04	0.08
91KFA0148A	till	0	16	581900	5432300	49.04011	85.87939	1.22	1.25	242	0.25	0.38	0.04	0.1
91KFA0148B	till	0	16	581900	5432300	49.04011	85.87939	2.28	2.99	118	0.26	0.22	0.04	0.11
91KFA0148C	till	0	16	581900	5432300	49.04011	85.87939	0.16	0.14	15	0.03	0.05	0.03	0.06
91KFA0149	till	1	16	579860	5430780	49.02670	85.90760	0.45	0.98	161	0.2	0.38	0.03	0.07
91KFA0150	till	1	16	579230	5430630	49.02544	85.91624	0.35	0.73	177	3.2	10	0.04	0.06
91KFA0151	till	1	16	579950	5425800	48.98190	85.90735	0.86	1.29	334	0.3	0.48	0.05	0.12
91KFA0152	till	1	16	581000	5427350	48.99571	85.89269	0.86	1.07	146	0.25	0.38	0.04	0.07
91KFA0153	till	1	16	581400	5427800	48.99970	85.88714	1.06	1.23	282	0.26	0.42	0.05	0.08
91KFA0154	till	1	16	582175	5428710	49.00778	85.87636	0.8	1.02	162	0.22	0.35	0.03	0.06
91KFA0155	till	1	16	581730	5429120	49.01153	85.88236	0.46	0.81	194	3.3	10	0.04	0.08
91KFA0156	till	1	16	580800	5430525	49.02429	85.89480	1.06	1.51	158	0.29	0.49	0.04	0.07
91KFA0157	till	1	16	602000	5436675	49.07645	85.60335	0.75	1.3	257	0.26	0.43	0.05	0.12
91KFA0158	till	1	16	601050	5436500	49.07504	85.61639	0.71	1.02	252	3.17	9.9	0.05	0.11
91KFA0159	till	1	16	602080	5434350	49.05553	85.60284	0.51	0.91	233	3.32	10	0.05	0.09
91KFA0160	till	1	16	604800	5434650	49.05777	85.56554	0.35	0.68	155	3.36	10	0.04	0.05
91KFA0161	till	1	16	604450	5434530	49.05676	85.57037	0.35	0.71	173	3.45	10	0.05	0.06
91KFA0166	till	1	16	611250	5428600	49.00224	85.47895	0.48	0.8	184	3.45	9.77	0.05	0.07
91KFA0167	till	1	16	611000	5428000	48.99689	85.48254	1.4	1.16	124	0.31	0.56	0.04	0.08
91KFA0168	till	1	16	603000	5426000	48.98029	85.59237	1.02	1.5	259	2.63	4.73	0.04	0.13
91KFA0169	till	1	16	601300	5424200	48.96438	85.61604	0.52	1.2	251	0.31	0.6	0.04	0.12
91KFA0170	till	1	16	600500	5422825	48.95215	85.62731	0.73	1.08	222	2.97	10	0.05	0.13
91KFA0171	till	1	16	600230	5421920	48.94405	85.63122	0.59	1.04	185	0.21	0.4	0.04	0.06
91KFA0172	till	1	16	591200	5434900	49.06218	85.75159	0.36	0.79	184	2.26	4.73	0.04	0.05
91KFA0173	till	1	16	589900	5434000	49.05428	85.76958	0.7	1.64	276	2.41	6.39	0.04	0.08
91KFA0174	till	1	16	589800	5434050	49.05474	85.77094	0.43	1.1	232	2.74	8.66	0.05	0.07

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0175	till	1	16	585570	5431550	49.03286	85.92935	0.54	0.89	199	2.83	8.87	0.05	0.07
91KFA0176	till	1	16	593080	5435500	49.06730	85.72572	0.45	0.88	176	2.72	7.72	0.05	0.06
91KFA0177	till	1	16	594180	5435750	49.06938	85.71061	0.44	0.86	183	3.11	9.56	0.05	0.07
91KFA0178	till	1	16	593700	5435750	49.06945	85.71718	0.32	0.75	154	2.56	8.97	0.04	0.07
91KFA0178A	till	0	16	593700	5435750	49.06945	85.71718	0.71	1.16	263	0.21	0.35	0.04	0.09
91KFA0179	till	1	16	585225	5444410	49.14857	85.83135	0.59	1.4	302	3.3	10	0.04	0.09
91KFA0180	till	0	16	585100	5444275	49.14737	85.83310	0.98	1.96	482	0.63	0.85	0.04	0.21
91KFA0180A	till	0	16	585100	5444275	49.14737	85.83310	1.48	3.36	975	1.03	1.73	0.04	0.25
91KFA0181	till	1	16	584450	5445180	49.15560	85.84182	1.28	1.77	409	3.12	10	0.05	0.27
91KFA0182	till	1	16	584630	5445550	49.15891	85.83927	1.04	3.76	246	0.24	0.24	0.03	0.12
91KFA0182A	sand	0	16	584630	5445550	49.15891	85.83927	0.86	0.89	86	0.14	0.17	0.04	0.05
91KFA0183	till	1	16	585200	5444620	49.15046	85.83166	0.34	0.81	167	3.05	10	0.04	0.06
91KFA0184	till	1	16	581750	5447420	49.17611	85.87839	0.91	1.93	367	2.79	7.82	0.06	0.17
91KFA0185	till	1	16	582590	5447160	49.17366	85.86691	0.58	1.22	221	2.88	7.92	0.04	0.1
91KFA0186GF	gravel	1	16	583250	5446770	49.17007	85.85794	0.35	1.04	192	2.75	9.44	0.03	0.06
91KFA0187	till	1	16	583380	5446925	49.17144	85.85612	0.25	0.8	128	1.99	7.88	0.03	0.04
91KFA0187GF	gravel	1	16	583380	5446925	49.17144	85.85612	0.43	1.9	254	2.84	9.88	0.03	0.07
91KFA0189	till	1	16	588050	5444240	49.14664	85.79266	0.53	1.05	227	2.53	7.66	0.04	0.07
91KFA0190	till	1	16	588170	5444780	49.15148	85.79090	1.27	3.14	406	1.06	2.67	0.05	0.23
91KFA0191	tailings	1	16	588300	5445000	49.15344	85.78907	1	10	233	0.76	0.21	0.08	1.3
91KFA0192	till	1	16	588850	5444400	49.14796	85.78166	0.37	1.08	193	3.18	10	0.04	0.07
91KFA0193GF	gravel	1	16	588300	5444100	49.14534	85.78927	0.35	1.03	202	2.77	10	0.03	0.06
91KFA0194	till	1	16	588100	5444120	49.14556	85.79201	0.77	1.49	154	0.2	0.35	0.03	0.05
91KFA0195GF	gravel	1	16	588900	5445260	49.15570	85.78078	0.64	2.33	296	2.13	6.53	0.04	0.1
91KFA0196	till	1	16	576200	5440100	49.11099	85.95590	0.41	0.79	196	3.32	10	0.04	0.06
91KFA0197	till	1	16	574370	5436300	49.07703	85.98167	0.49	0.56	60	0.14	0.38	0.04	0.05
91KFA0198	till	1	16	570000	5439475	49.10611	86.04095	2.28	2.42	435	0.68	0.34	0.05	0.21
91KFA0199	till	1	16	569550	5435550	49.07085	86.04779	1.09	1.43	239	1.4	2.7	0.05	0.11
91KFA0200	till	1	16	569275	5434800	49.06414	86.05168	0.9	1.33	229	0.36	0.47	0.06	0.12
91KFA0201	till	1	16	569050	5434520	49.06165	86.05481	0.59	1.07	198	0.31	0.54	0.04	0.09
91KFA0202GF	gravel	1	16	568380	5434775	49.06401	86.06393	1.84	2.71	665	1.78	4.42	0.05	0.19
91KFA0203	till	1	16	568120	5441825	49.12745	86.06631	1.06	1.51	352	2.5	7.54	0.04	0.13
91KFA0204	till	1	16	568000	5442750	49.13578	86.06779	0.61	0.69	43	0.08	0.14	0.03	0.06
91KFA0205	till	1	16	567500	5443200	49.13989	86.07458	2.29	2.76	449	0.74	0.64	0.05	0.17
91KFA0206	till	1	16	599950	5421850	48.94347	85.63506	0.36	0.91	160	2.66	7.26	0.04	0.09
91KFA0207	till	1	16	599430	5421120	48.93699	85.64233	0.58	1.43	205	0.28	0.43	0.04	0.05
91KFA0208	till	1	16	599200	5420800	48.93414	85.64555	0.34	0.86	158	2.86	7.31	0.04	0.06

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0209	till	1	16	598275	5419950	48.92665	85.65839	0.29	0.77	142	2.75	7.97	0.04	0.06
91KFA0210	till	1	16	597500	5419370	48.92155	85.66910	0.25	0.75	140	3.08	10	0.04	0.05
91KFA0211	till	1	16	596650	5418350	48.91251	85.68095	0.45	0.81	174	3.47	10	0.04	0.08
91KFA0212	till	1	16	596000	5417275	48.90295	85.69006	1.04	1.36	171	0.22	0.4	0.03	0.08
91KFA0213	till	1	16	595650	5416950	48.90008	85.69492	0.62	1.13	224	0.13	0.3	0.03	0.04
91KFA0214	till	1	16	595400	5416830	48.89904	85.69836	1.6	1.97	418	2.9	7.57	0.06	0.28
91KFA0215	till	1	16	594550	5416375	48.89508	85.71005	0.42	0.93	186	3.24	8.99	0.05	0.06
91KFA0216	till	1	16	594420	5416300	48.89442	85.71185	0.29	0.68	155	3.24	9.78	0.04	0.05
91KFA0217	till	1	16	591950	5413880	48.87303	85.74608	1.21	1.04	93	0.22	0.21	0.04	0.06
91KFA0218	till	1	16	591100	5412000	48.85625	85.75809	1.07	1.52	370	0.17	0.32	0.04	0.06
91KFA0219	till	1	16	591300	5410950	48.84677	85.75559	0.69	1	250	3.41	10	0.05	0.11
91KFA0220	till	1	16	573275	5455550	49.25031	85.99316	0.54	1.32	308	1.34	3.88	0.05	0.08
91KFA0221	till	1	16	574120	5456600	49.25965	85.98135	1.58	2.91	329	0.85	1.08	0.05	0.31
91KFA0222	till	1	16	571170	5457750	49.27034	86.02169	0.87	1.39	165	0.37	0.43	0.04	0.12
91KFA0223	till	1	16	568050	5457000	49.26395	86.06470	1.07	2.63	297	1.05	1.34	0.05	0.4
91KFA0224GF	gravel	1	16	580575	5455500	49.24894	85.89288	1.31	1.67	243	1.24	3.09	0.04	0.07
91KFA0225	till	1	16	581400	5455600	49.24973	85.88153	1.24	1.03	129	0.26	0.36	0.04	0.08
91KFA0226	till	1	16	582250	5456650	49.25906	85.86964	0.36	0.99	190	2.95	9.01	0.04	0.06
91KFA0227	till	1	16	582930	5456820	49.26049	85.86026	0.36	0.74	176	3.31	9.81	0.03	0.07
91KFA0228	till	1	16	584340	5457770	49.26884	85.84068	0.41	0.84	180	3.2	10	0.03	0.06
91KFA0229	till	1	16	589560	5460180	49.28978	85.76841	0.32	0.74	148	3.45	10	0.04	0.04
91KFA0230	till	1	16	589940	5460530	49.29287	85.76311	0.44	1.01	194	3.32	9.88	0.04	0.11
91KFA0231	till	1	16	591000	5461175	49.29851	85.74838	1.67	4.29	488	1.94	2.33	0.06	0.6
91KFA0232	till	1	16	593800	5462100	49.30640	85.70966	0.45	1.14	271	3.68	10	0.04	0.09
91KFA0233	till	1	16	571560	5442730	49.13520	86.01900	0.42	0.99	158	2.18	7.65	0.05	0.1
91KFA0234	till	1	16	576270	5460200	49.29176	85.95113	0.79	1.95	430	3.44	9.8	0.05	0.13
91KFA0235	till	1	16	577310	5461230	49.30089	85.93663	1.4	1.85	247	0.82	1.42	0.04	0.1
91KFA0236GF	gravel	1	16	577430	5461520	49.30348	85.93492	0.39	1.28	211	2.93	9.78	0.05	0.07
91KFA0237	till	1	16	578250	5467150	49.35402	85.92254	0.51	0.89	199	3.52	10	0.03	0.08
91KFA0238GF	gravel	1	16	568850	5475510	49.43034	86.05051	2.05	3.03	732	1.13	1.96	0.03	0.13
91KFA0239	till	1	16	569410	5474950	49.42524	86.04288	2.14	3.5	451	2.83	5.11	0.06	1.2
91KFA0240	till	1	16	569710	5472400	49.40226	86.03919	0.67	1.42	303	0.88	2.07	0.04	0.1
91KFA0241	till	1	16	566610	5470240	49.38319	86.08228	0.6	0.97	231	3.4	10	0.04	0.1
91KFA0242	till	1	16	565150	5471000	49.39018	86.10226	0.53	0.99	206	2.98	7.81	0.04	0.07
91KFA0243	till	1	16	563280	5472940	49.40783	86.12772	0.46	0.96	200	3.26	10	0.04	0.1
91KFA0244	till	1	16	560500	5475000	49.42664	86.16572	0.58	1.11	215	3.25	7.71	0.04	0.11
91KFA0245	till	1	16	557750	5474130	49.41908	86.20377	0.44	0.77	193	3.65	10	0.04	0.1

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0246	till	1	16	552630	5471840	49.39895	86.27466	0.89	1.18	135	0.31	0.56	0.05	0.09
91KFA0247	till	1	16	547150	5471970	49.40056	86.35016	0.76	1.09	203	0.31	0.81	0.04	0.09
91KFA0248	till	1	16	541780	5470180	49.38486	86.42435	0.29	0.78	159	0.31	0.97	0.04	0.06
91KFA0249	till	1	16	599080	5454270	49.23516	85.63899	0.41	0.77	172	0.31	0.97	0.04	0.07
91KFA0250	till	1	16	598800	5454600	49.23817	85.64275	0.35	0.81	166	0.31	0.97	0.04	0.08
91KFA0251	till	1	16	598500	5454900	49.24092	85.64680	0.33	0.85	160	0.31	0.97	0.04	0.07
91KFA0252	till	1	16	597030	5454950	49.24160	85.66698	0.64	1.08	197	0.31	0.97	0.05	0.17
91KFA0253	till	1	16	597550	5455950	49.25051	85.65959	1.22	1.9	371	0.31	0.97	0.06	0.32
91KFA0254	till	1	16	598050	5456500	49.25538	85.65259	1.02	1.71	351	0.31	0.97	0.06	0.18
91KFA0255	till	1	16	598170	5458550	49.27380	85.65044	0.51	0.88	200	0.31	0.97	0.05	0.07
91KFA0256	till	1	16	598280	5460370	49.29015	85.64848	0.81	1.53	288	0.31	0.97	0.05	0.11
91KFA0257	till	1	16	598260	5460500	49.29132	85.64872	0.38	0.94	238	0.31	0.97	0.03	0.07
91KFA0258	till	1	16	598775	5462650	49.31057	85.64111	0.7	1.07	277	0.31	0.97	0.04	0.11
91KFA0259	till	1	16	597250	5461910	49.30416	85.66226	0.62	1.1	285	0.31	0.97	0.04	0.1
91KFA0260	till	1	16	596400	5462850	49.31275	85.67373	0.47	0.87	181	0.31	0.97	0.04	0.07
91KFA0261	till	1	16	587000	5463850	49.32315	85.80280	1.45	1.9	170	0.31	0.97	0.04	0.09
91KFA0262	till	1	16	587700	5467280	49.35390	85.79242	0.58	0.99	224	0.31	0.97	0.05	0.09
91KFA0263	till	1	16	610080	5460810	49.29209	85.48615	0.37	0.79	205	0.31	0.97	0.03	0.06
91KFA0264	till	1	16	610050	5461250	49.29605	85.48643	0.63	0.98	275	0.31	0.97	0.04	0.11
91KFA0265	till	1	16	610720	5462650	49.30852	85.47684	0.38	0.79	215	0.31	0.97	0.04	0.07
91KFA0266	till	1	16	612120	5464920	49.32868	85.45695	0.53	0.88	227	0.31	0.97	0.04	0.09
91KFA0267	till	1	16	617440	5468500	49.35986	85.38271	0.53	0.88	215	0.31	0.97	0.04	0.09
91KFA0268	till	1	16	614820	5469550	49.36980	85.41846	0.67	1.29	322	0.31	0.97	0.04	0.1
91KFA0269	till	1	16	609600	5470880	49.38272	85.48997	0.38	0.79	207	0.31	0.97	0.04	0.05
91KFA0270	till	1	16	607000	5471050	49.38472	85.52574	0.36	0.71	205	0.31	0.97	0.04	0.07
91KFA0271	till	1	16	605650	5470100	49.37641	85.54459	0.46	0.87	225	0.31	0.97	0.04	0.07
91KFA0272	till	1	16	607325	5464650	49.32711	85.52299	0.55	1	255	0.31	0.97	0.05	0.11
91KFA0273	till	1	16	584675	5400350	48.75238	85.84805	1.33	1.36	149	0.31	0.97	0.03	0.06
91KFA0274	till	1	16	585300	5400750	48.75589	85.83947	0.62	0.97	121	0.31	0.97	0.04	0.1
91KFA0275	till	1	16	585440	5400750	48.75587	85.83757	0.47	0.83	171	0.31	0.97	0.04	0.07
91KFA0276	till	1	16	585720	5401000	48.75808	85.83371	1.5	2.62	369	0.31	0.97	0.07	0.25
91KFA0277	till	1	16	586480	5401050	48.75842	85.82336	0.51	0.84	199	0.31	0.97	0.04	0.1
91KFA0278	till	1	16	586270	5400950	48.75755	85.82623	0.52	1.07	208	0.31	0.97	0.05	0.16
91KFA0279	till	1	16	588900	5402300	48.76933	85.79017	0.86	1.14	127	0.31	0.97	0.04	0.09
91KFA0280GF	gravel	1	16	589450	5402820	48.77392	85.78257	0.27	0.65	128	0.31	0.97	0.04	0.04
91KFA0281	till	1	16	590350	5404000	48.78441	85.77007	0.44	0.92	194	0.31	0.97	0.05	0.08
91KFA0282	till	1	16	590580	5404200	48.78617	85.76689	0.37	0.75	166	0.31	0.97	0.05	0.07

Sample No.	Sed. Type	Plot	Grid Zone	Easting m	Northing m	Latitude deg	Longitude deg	Al pct <63 µm	Fe pct <63 µm	Mn ppm <63 µm	Mg pct <63 µm	Ca pct <63 µm	Na pct <63 µm	K pct <63 µm
91KFA0283	till	1	16	592430	5407100	48.81199	85.74106	1.06	2.32	376	0.51	0.5	0.04	0.08
91KFA0284	till	1	16	589740	5446840	49.16978	85.76891	1	1.46	322	3.2	10	0.06	0.24
91KFA0284A	till	0	16	589740	5446840	49.16978	85.76891	1	1.44	317	3.19	10	0.05	0.24
91KFA0284B	till	0	16	589740	5446840	49.16978	85.76891	1.27	1.58	316	3.2	10	0.06	0.29
91KFA0285	till	1	16	590840	5448950	49.18859	85.75336	1.24	1.65	380	3.2	10	0.05	0.27
91KFA0286	till	1	16	590250	5449350	49.19228	85.76136	0.39	0.97	189	3.02	9.2	0.04	0.09

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0001	till	1	2	19	21	3	13	9	21	11	14	5	2	1.1	0.1
91KFA0002	till	1	2	32	34	9	22	291	250	2	17	9	3	0.2	0.1
91KFA0003	till	1	2	25	23	8	12	19	33	2	13	6	0.5	0.1	0.1
91KFA0004	till	1	2	20	23	0.5	20	20	29	2	50	22	15	0.1	0.1
91KFA0004A	till	0	2	18	20	3	14	24	18	20	11	16	3	0.1	0.1
91KFA0005	till	1	2	15	13	0.5	10	14	13	2	45	6	20	0.1	0.1
91KFA0006	till	1	2	16	13	0.5	15	10	16	2	54	6	20	0.1	0.1
91KFA0007	till	1	2	19	15	0.5	14	14	21	2	68	7	13	0.1	0.1
91KFA0008	till	1	2	16	13	0.5	12	8	16	2	50	6	20	0.1	0.1
91KFA0009	till	1	2	20	21	4	19	9	18	2	17	9	8	0.1	0.1
91KFA0010	till	1	2	17	17	3	11	21	16	8	9	13	3	0.1	0.1
91KFA0010A	till	0	5	29	36	9	23	10	29	2	17	18	3	0.1	0.1
91KFA0011	till	1	2	14	9	0.5	4	5	9	6	40	5	13	0.1	0.1
91KFA0012	till	1	2	14	11	0.5	6	8	13	2	52	7	17	0.1	0.1
91KFA0013	till	1	2	18	16	4	10	10	23	2	9	3	2	0.1	0.1
91KFA0014	till	1	2	18	17	0.5	9	14	17	2	62	6	18	0.1	0.1
91KFA0015	till	1	2	28	27	8	21	14	29	7	14	4	5	0.1	0.1
91KFA0016	till	1	2	16	13	0.5	10	13	15	5	53	6	24	0.1	0.7
91KFA0017	till	1	2	21	16	2	13	29	24	2	43	7	14	0.1	0.1
91KFA0018	till	1	2	14	9	0.5	10	23	115	6	48	5	13	0.1	0.1
91KFA0019	till	1	2	23	46	19	42	90	64	27	23	7	4	0.1	0.1
91KFA0020	till	1	2	23	30	6	16	11	21	11	15	9	3	0.1	0.1
91KFA0021GF	gravel	1	2	15	11	0.5	7	20	17	2	46	5	15	0.1	0.1
91KFA0022GF	gravel	1	2	17	13	3	12	31	23	7	38	5	9	0.1	0.1
91KFA0023	till	1	2	24	28	9	13	20	59	9	11	13	0.5	0.1	0.1
91KFA0024	till	1	2	25	21	6	13	6	26	2	9	5	3	0.1	0.1
91KFA0025	till	1	2	30	38	8	26	9	31	6	17	4	5	0.1	0.1
91KFA0026	till	1	2	25	28	10	22	10	24	2	13	6	4	0.1	0.1
91KFA0027	till	1	2	18	19	1	15	9	18	2	30	8	16	0.1	0.1
91KFA0028	till	1	2	12	9	0.5	8	8	14	2	51	6	23	0.1	0.1
91KFA0029	till	1	7	120	39	18	23	22	63	2	165	4	0.5	0.1	0.1
91KFA0030	till	1	2	18	20	4	14	7	13	2	17	9	8	0.1	0.1
91KFA0031	till	1	2	26	18	4	9	8	14	5	6	2	2	0.1	0.1
91KFA0032	till	1	2	18	20	5	14	10	14	7	13	13	6	0.1	0.1
91KFA0033	till	1	2	38	28	12	31	19	43	2	39	6	2	0.1	0.1
91KFA0034	till	1	2	43	33	11	21	15	38	2	20	5	3	0.1	0.3
91KFA0035	till	1	2	28	22	8	16	16	24	2	18	6	2	0.2	0.1

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0036	til	1	2	29	47	9	23	8	25	2	14	9	4	0.1	0.7
91KFA0037	til	1	2	19	17	0.5	8	10	22	2	62	6	10	0.1	0.1
91KFA0038	til	1	2	33	34	8	24	12	40	2	24	6	3	0.1	0.1
91KFA0039	til	1	2	33	32	8	22	23	28	2	30	7	3	0.2	0.4
91KFA0040	til	1	2	16	12	0.5	10	6	14	2	60	6	10	0.1	0.6
91KFA0041	til	1	2	24	17	2	14	13	26	2	53	9	12	0.1	0.9
91KFA0042	til	1	2	42	32	13	23	43	52	2	23	10	3	0.1	0.8
91KFA0043	til	1	2	59	44	23	42	27	72	2	24	8	4	0.1	0.5
91KFA0044	til	1	2	24	20	6	9	7	15	2	13	22	1	0.3	0.1
91KFA0045	til	1	2	21	21	0.5	13	16	20	2	48	6	15	0.1	0.1
91KFA0046	til	1	2	34	28	6	16	7	26	2	11	3	0.5	0.3	0.1
91KFA0047	til	1	2	53	38	23	39	92	46	2	19	12	3	0.4	0.7
91KFA0048	til	1	2	17	9	0.5	9	10	18	2	49	6	10	0.1	1
91KFA0049	til	1	2	14	10	0.5	9	10	11	2	53	6	14	0.1	0.1
91KFA0050	til	1	2	46	37	17	36	23	67	2	24	7	1	0.3	0.3
91KFA0051	til	1	2	21	16	1	11	12	23	2	62	6	11	0.1	0.1
91KFA0052	til	1	2	32	34	8	24	17	32	2	17	5	0.5	0.4	1
91KFA0053	til	1	2	28	23	6	16	10	24	2	25	15	2	0.1	0.1
91KFA0054	til	1	2	22	16	2	12	18	23	2	49	9	9	0.1	0.1
91KFA0055	til	1	2	41	34	12	27	24	42	2	18	7	0.5	0.1	0.1
91KFA0056	til	1	2	18	14	0.5	12	13	18	2	50	6	10	0.1	1
91KFA0056A	til	0	2	24	21	3	18	19	27	2	56	7	10	0.1	0.1
91KFA0057	til	1	2	26	21	3	22	23	28	2	61	7	13	0.1	1.2
91KFA0058	til	1	2	13	9	0.5	9	19	10	2	39	6	12	0.1	0.4
91KFA0059	til	1	2	18	17	5	17	13	13	2	12	7	3	0.3	0.9
91KFA0060	til	1	2	22	24	18	27	43	12	2	12	7	2	0.1	0.5
91KFA0061	til	1	2	21	17	0.5	12	15	18	2	36	12	10	0.1	0.3
91KFA0062	til	1	2	24	23	4	14	7	23	2	21	7	6	0.1	0.1
91KFA0063	til	1	2	35	33	5	25	16	39	2	50	10	9	0.1	0.1
91KFA0064	til	1	2	27	26	3	19	17	29	2	63	8	9	0.1	0.1
91KFA0065	til	1	2	17	52	1	25	9	14	2	36	6	3	0.1	0.3
91KFA0066	til	1	2	15	129	0.5	59	6	13	2	37	6	7	0.1	0.3
91KFA0067	til	1	2	18	46	14	31	48	14	2	17	13	2	0.1	0.1
91KFA0068	til	1	2	16	21	0.5	11	23	9	2	39	6	3	0.1	0.1
91KFA0069	til	1	2	16	14	0.5	8	14	12	2	42	5	2	0.1	0.1
91KFA0070	til	1	2	20	27	0.5	14	8	20	2	47	7	2	0.1	0.4
91KFA0071	til	1	2	27	34	6	22	5	24	2	13	4	0.5	0.1	0.7

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0072	till	1	2	24	18	1	18	24	21	2	52	7	5	0.1	0.1
91KFA0073	till	1	2	21	20	1	15	11	25	9	66	6	6	0.1	0.1
91KFA0074	till	1	2	18	16	0.5	10	8	16	2	56	7	7	0.1	0.1
91KFA0075	till	1	2	16	30	0.5	20	11	12	2	51	6	8	0.1	0.1
91KFA0076	till	1	2	31	185	9	81	12	29	2	15	6	11	0.1	0.1
91KFA0077	till	1	2	30	115	7	108	36	43	2	45	8	10	0.1	0.2
91KFA0078	till	1	2	37	104	11	50	36	32	2	21	11	7	0.2	1
91KFA0079	till	1	2	43	139	15	58	35	40	2	25	8	6	0.1	0.6
91KFA0080GF	gravel	1	2	34	280	8	82	15	39	2	22	5	21	0.1	0.2
91KFA0081	till	1	2	17	34	0.5	22	10	14	5	46	6	10	0.1	1.1
91KFA0082	till	1	2	27	118	11	78	8	31	2	12	7	13	0.1	0.1
91KFA0083	till	1	2	35	193	19	96	26	157	17	16	8	23	0.5	0.5
91KFA0083A	till	1	2	43	141	22	85	38	143	7	13	16	16	0.4	0.6
91KFA0084GEA	gravel	1	2	26	293	9	106	16	26	2	15	13	38	0.1	0.4
91KFA0084GFB	gravel	0	2	30	123	7	55	23	28	7	51	10	26	0.1	0.4
91KFA0084GFC	gravel	0	2	43	201	13	91	69	60	9	63	13	35	0.1	0.1
91KFA0085	till	1	2	18	217	0.5	92	10	15	2	52	6	40	0.1	0.1
91KFA0085A	till	0	2	33	441	10	189	8	21	11	13	4	55	0.2	0.1
91KFA0085B	till	0	2	12	220	2	88	4	7	8	8	2	29	0.1	0.1
91KFA0086	till	1	2	18	22	0.5	10	8	18	8	46	7	11	0.1	0.9
91KFA0087	till	1	2	13	11	0.5	9	4	12	2	40	5	13	0.1	0.1
91KFA0088	till	1	2	27	35	9	18	8	24	9	14	10	0.5	0.2	0.1
91KFA0089	till	1	2	18	16	0.5	11	8	22	6	49	7	9	0.1	0.1
91KFA0090	till	1	2	20	40	1	19	13	20	6	30	13	12	0.1	0.1
91KFA0091	till	1	2	25	31	6	18	7	21	5	14	9	0.5	0.1	0.8
91KFA0092	till	1	2	15	12	0.5	8	10	15	7	52	5	4	0.1	0.6
91KFA0093	till	1	2	17	20	0.5	13	6	14	8	42	7	12	0.1	0.1
91KFA0094	till	1	2	23	27	5	19	10	25	5	44	9	9	0.1	0.8
91KFA0095	till	1	2	19	23	0.5	15	7	18	2	52	11	11	0.1	0.1
91KFA0096	till	1	2	21	23	0.5	20	13	27	2	60	6	10	0.1	0.3
91KFA0097	till	1	2	22	19	2	22	14	22	2	44	9	10	0.1	0.3
91KFA0098	till	1	2	19	20	2	19	14	20	2	52	6	14	0.1	0.5
91KFA0099	till	1	9	91	90	33	44	378	62	2	45	11	14	0.1	0.1
91KFA0099A	till	0	2	21	18	2	16	25	21	2	57	6	13	0.1	0.1
91KFA0100	till	1	2	62	17	12	18	43	23	2	21	10	3	0.1	0.1
91KFA0101	till	1	2	41	15	14	20	58	28	2	59	7	13	0.1	0.1
91KFA0102	till	1	2	36	39	9	36	36	42	2	47	9	11	0.1	1.6

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0103	till	1	2	16	11	0.5	8	6	13	2	55	6	8	0.1	1.2
91KFA0104	till	1	2	14	9	0.5	5	8	11	2	48	6	9	0.1	1.3
91KFA0105	till	1	2	19	29	0.5	29	10	15	2	38	7	13	0.1	0.1
91KFA0106	till	1	2	17	28	0.5	32	9	12	2	47	6	15	0.1	0.3
91KFA0107	till	1	2	25	27	2	25	17	30	2	38	9	11	0.1	0.6
91KFA0108	till	1	2	31	40	8	37	22	32	2	15	8	2	0.1	0.6
91KFA0109	till	1	2	33	34	9	32	29	24	2	13	5	2	0.2	0.1
91KFA0110	till	1	2	25	31	6	24	15	16	2	13	6	5	0.3	0.1
91KFA0111	till	1	2	17	22	1	27	15	16	2	50	6	8	0.1	0.1
91KFA0112	till	1	2	40	45	10	35	39	42	7	31	7	5	0.1	0.1
91KFA0113	till	1	2	37	39	11	26	25	97	8	23	20	4	0.1	0.7
91KFA0114	till	1	2	25	28	2	20	10	28	8	35	8	10	0.1	1.3
91KFA0115	till	1	2	12	15	0.5	15	4	9	11	50	5	15	0.1	0.1
91KFA0116	till	1	2	19	23	2	18	9	21	5	42	8	15	0.1	0.1
91KFA0117	till	1	2	32	33	11	21	60	127	7	24	27	1	0.1	0.8
91KFA0118	till	1	2	17	16	0.5	14	5	15	2	43	7	13	0.1	0.6
91KFA0119	till	1	2	17	19	0.5	15	5	17	8	53	7	14	0.1	0.1
91KFA0120	till	1	2	21	24	0.5	17	13	23	7	71	7	9	0.1	0.1
91KFA0120A	till	0	2	26	22	2	18	17	27	2	53	7	10	0.1	0.1
91KFA0120B	till	0	2	23	25	4	26	35	31	9	63	6	16	0.1	0.1
91KFA0121	till	1	2	45	54	11	36	28	38	5	27	10	8	0.2	0.1
91KFA0122	till	1	2	15	19	0.5	17	10	18	5	60	5	12	0.1	0.1
91KFA0123	till	1	2	29	31	8	29	50	33	8	36	8	9	0.1	0.7
91KFA0124	till	1	2	17	16	0.5	12	9	18	15	54	6	11	0.1	0.1
91KFA0125	till	1	2	37	33	14	29	55	45	2	13	7	4	0.1	0.7
91KFA0126	till	1	2	21	12	3	16	22	41	2	46	6	17	0.1	0.1
91KFA0127	till	1	2	33	34	4	24	19	36	2	39	9	10	0.1	0.1
91KFA0128	till	1	2	21	21	0.5	16	14	24	2	29	7	9	0.1	0.8
91KFA0128A	till	0	2	29	38	9	26	44	66	2	43	7	10	0.1	0.3
91KFA0129	till	1	2	27	22	14	18	24	100	2	11	7	2	0.3	0.1
91KFA0130	till	1	2	27	25	8	20	34	55	2	14	7	4	0.3	0.8
91KFA0131	till	1	2	17	25	6	21	15	20	2	13	7	2	0.1	0.1
91KFA0132	till	1	2	21	23	6	16	25	23	6	15	9	0.5	0.1	0.7
91KFA0133	till	1	2	24	27	6	22	16	21	9	11	5	0.5	0.1	1.1
91KFA0134	till	1	2	13	10	0.5	6	4	10	2	52	5	9	0.1	0.1
91KFA0135	till	1	2	25	23	4	14	8	33	2	18	13	2	0.1	0.4
91KFA0136	till	1	2	15	13	0.5	8	8	15	2	63	6	9	0.1	0.9

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0137	till	1	2	17	16	0.5	10	9	20	2	59	6	13	0.1	0.1
91KFA0138	till	1	2	19	23	2	18	9	23	7	61	6	14	0.1	0.1
91KFA0139	till	1	2	19	26	0.5	23	10	19	8	46	7	12	0.1	0.7
91KFA0140	till	1	2	22	29	0.5	24	12	24	5	64	6	11	0.1	0.3
91KFA0141	till	1	2	16	17	0.5	12	12	14	2	45	7	10	0.1	0.1
91KFA0142	till	1	2	16	16	0.5	10	9	13	2	46	6	14	0.1	0.1
91KFA0143	till	1	2	20	13	2	7	17	18	2	39	6	5	0.1	0.1
91KFA0144	till	1	2	24	25	6	11	5	16	2	12	5	0.5	0.2	0.2
91KFA0145	till	1	2	29	29	3	21	18	26	2	54	8	7	0.1	1
91KFA0146	till	1	2	16	12	0.5	9	5	11	2	50	7	10	0.1	0.1
91KFA0147	till	1	2	21	21	0.5	15	13	19	24	67	6	12	0.1	0.1
91KFA0148	till	1	2	16	12	0.5	8	6	12	2	45	8	6	0.1	0.1
91KFA0148A	till	0	2	21	25	5	13	6	16	2	12	5	0.5	0.1	0.1
91KFA0148B	till	0	2	39	34	8	22	5	21	2	12	3	2	0.1	0.6
91KFA0148C	till	0	2	6	3	1	1	0.5	3	7	4	1	0.5	0.1	0.1
91KFA0149	till	1	2	19	17	3	10	3	12	2	10	7	2	0.1	0.5
91KFA0150	till	1	2	14	9	0.5	8	7	10	2	51	5	10	0.1	0.9
91KFA0151	till	1	2	24	25	5	13	8	18	2	16	11	0.5	0.1	0.1
91KFA0152	till	1	2	21	19	5	10	3	21	12	12	5	0.5	0.1	0.1
91KFA0153	till	1	2	22	23	5	11	7	20	6	16	7	4	0.1	0.7
91KFA0154	till	1	2	20	19	4	11	4	15	2	10	4	0.5	0.2	0.3
91KFA0155	till	1	2	15	11	0.5	6	9	13	2	56	5	14	0.1	0.3
91KFA0156	till	1	2	25	24	5	14	12	21	2	13	7	0.5	0.1	0.5
91KFA0157	till	1	2	23	19	5	13	12	20	6	12	7	2	0.1	0.1
91KFA0158	till	1	2	18	18	0.5	16	13	15	2	51	6	8	0.1	0.1
91KFA0159	till	1	2	17	12	0.5	10	9	16	2	55	6	13	0.1	0.1
91KFA0160	till	1	2	13	9	0.5	8	8	10	2	50	5	12	0.1	1.1
91KFA0161	till	1	2	14	8	0.5	7	10	9	6	49	5	13	0.1	0.1
91KFA0166	till	1	2	15	46	0.5	13	8	12	2	48	6	12	0.1	0.1
91KFA0167	till	1	2	19	24	5	21	7	15	2	12	5	3	0.2	0.1
91KFA0168	till	1	2	35	65	8	43	18	30	2	31	9	8	0.1	0.1
91KFA0169	till	1	2	21	21	5	11	11	19	6	15	11	0.5	0.1	0.1
91KFA0170	till	1	2	20	17	0.5	12	10	19	2	60	6	8	0.1	0.1
91KFA0171	till	1	2	20	22	4	13	11	12	9	12	8	0.5	0.2	0.1
91KFA0172	till	1	2	15	13	0.5	6	4	8	5	24	14	9	0.1	0.1
91KFA0173	till	1	2	29	25	8	18	17	20	2	34	10	9	0.1	1.2
91KFA0174	till	1	2	21	14	4	10	14	17	2	45	6	12	0.1	0.1

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0175	till	1	2	17	12	0.5	10	10	14	2	46	5	12	0.1	0.1
91KFA0176	till	1	2	17	12	0.5	6	8	11	10	39	6	13	0.1	0.1
91KFA0177	till	1	2	15	12	0.5	9	5	13	2	48	9	11	0.1	0.7
91KFA0178	till	1	2	14	8	0.5	7	8	12	2	45	5	4	0.1	0.3
91KFA0178A	till	0	2	20	21	6	9	10	15	2	10	6	0.5	0.1	0.1
91KFA0179	till	1	2	25	22	3	16	18	44	2	59	10	9	0.1	0.1
91KFA0180	till	0	2	38	42	12	26	18	31	6	18	10	0.5	0.1	0.1
91KFA0180A	till	0	2	51	49	14	37	32	107	2	22	22	3	0.5	0.1
91KFA0181	till	1	2	32	30	4	24	17	34	2	71	8	10	0.1	0.1
91KFA0182	till	1	2	29	33	4	20	13	27	13	10	4	0.5	1.1	0.6
91KFA0182A	sand	0	2	16	17	6	11	4	10	2	6	4	0.5	0.3	0.2
91KFA0183	till	1	2	16	11	0.5	8	4	12	2	49	6	15	0.1	0.5
91KFA0184	till	1	2	25	21	4	22	80	159	7	47	15	7	0.3	0.9
91KFA0185	till	1	2	21	17	2	13	10	26	2	41	12	7	0.1	0.5
91KFA0186GF	gravel	1	2	20	13	0.5	12	13	14	2	48	7	8	0.1	0.5
91KFA0187	till	1	2	16	10	0.5	8	8	10	2	40	5	9	0.1	0.1
91KFA0187GF	gravel	1	2	33	25	3	16	32	34	2	51	7	12	0.1	1.5
91KFA0189	till	1	2	18	15	0.5	9	49	64	2	38	9	15	0.1	0.1
91KFA0190	till	1	2	32	29	9	23	1596	2589	11	26	13	9	6.6	19.4
91KFA0191	tailings	1	2	29	24	4	8	6860	614	14	36	5	7	50	3.9
91KFA0192	till	1	2	19	12	0.5	9	39	19	2	56	6	7	0.8	1.4
91KFA0193GF	gravel	1	2	18	12	0.5	11	21	27	14	56	6	15	0.1	0.1
91KFA0194	till	1	2	26	28	7	15	12	22	7	10	10	0.5	0.1	0.4
91KFA0195GF	gravel	1	2	23	19	4	14	543	696	2	38	9	9	2	4.4
91KFA0196	till	1	2	15	10	0.5	8	8	15	2	55	6	6	0.1	0.2
91KFA0197	till	1	2	12	11	3	9	5	10	2	10	5	0.5	0.1	0.1
91KFA0198	till	1	2	42	46	11	30	19	38	2	21	6	0.5	0.3	0.1
91KFA0199	till	1	2	28	34	3	22	10	30	2	23	7	2	0.1	0.9
91KFA0200	till	1	2	26	30	6	15	6	22	2	18	6	0.5	0.1	0.1
91KFA0201	till	1	2	20	20	3	12	8	18	10	14	7	1	0.1	0.1
91KFA0202GF	gravel	1	2	44	55	16	36	46	51	2	35	14	9	0.1	0.1
91KFA0203	till	1	2	26	24	4	15	23	26	2	43	8	9	0.1	0.5
91KFA0204	till	1	2	18	9	0.5	4	3	14	2	7	2	0.5	0.2	0.9
91KFA0205	till	1	2	48	47	15	32	16	80	2	23	6	2	0.1	0.8
91KFA0206	till	1	2	18	14	0.5	10	12	14	8	37	6	5	0.1	0.1
91KFA0207	till	1	2	26	89	9	39	22	11	2	17	6	0.5	0.1	0.2
91KFA0208	till	1	2	17	13	0.5	9	6	12	2	36	7	10	0.1	0.8

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0209	till	1	2	15	11	0.5	8	10	10	2	40	5	8	0.1	0.1
91KFA0210	till	1	2	15	11	0.5	6	8	9	2	52	6	10	0.1	0.1
91KFA0211	till	1	2	15	12	0.5	11	10	12	2	52	5	9	0.1	0.1
91KFA0212	till	1	2	23	27	11	37	156	14	2	12	8	0.5	0.1	0.9
91KFA0213	till	1	2	20	21	5	10	11	9	2	10	6	0.5	0.1	0.1
91KFA0214	till	1	2	36	41	5	29	24	33	2	46	9	11	0.1	0.4
91KFA0215	till	1	2	19	13	1	11	12	14	2	44	6	14	0.1	0.1
91KFA0216	till	1	2	13	9	0.5	6	5	9	2	48	6	9	0.1	0.2
91KFA0217	till	1	2	21	27	6	14	10	13	2	9	5	0.5	0.2	0.6
91KFA0218	till	1	2	26	31	7	16	10	14	7	10	13	0.5	0.2	0.1
91KFA0219	till	1	2	19	15	0.5	10	10	16	2	61	6	13	0.1	0.1
91KFA0220	till	1	2	25	23	5	12	11	16	2	26	12	5	0.1	0.5
91KFA0221	till	1	2	62	57	16	36	55	38	2	21	7	4	0.4	0.5
91KFA0222	till	1	2	28	34	6	26	16	20	8	14	7	3	0.1	0.4
91KFA0223	till	1	2	54	68	16	46	55	37	2	24	14	3	0.3	0.8
91KFA0224GF	gravel	1	2	31	31	7	20	18	30	12	22	7	7	0.1	0.1
91KFA0225	till	1	2	19	32	8	24	12	20	2	11	8	0.5	0.1	0.3
91KFA0226	till	1	2	19	14	0.5	8	19	11	2	45	7	13	0.1	0.5
91KFA0227	till	1	2	14	10	0.5	9	9	10	2	47	5	9	0.1	0.1
91KFA0228	till	1	2	16	13	0.5	9	9	11	2	53	5	10	0.1	0.5
91KFA0229	till	1	2	15	11	0.5	7	7	9	2	48	6	12	0.1	0.7
91KFA0230	till	1	2	21	17	0.5	13	12	17	2	48	6	8	0.1	0.1
91KFA0231	till	1	9	91	97	29	98	140	69	2	23	13	5	0.6	0.1
91KFA0232	till	1	2	21	16	0.5	12	17	16	2	55	6	17	0.1	0.4
91KFA0233	till	1	2	19	13	0.5	9	14	17	2	43	5	6	0.1	0.1
91KFA0234	till	1	2	37	33	10	30	27	29	2	51	14	13	0.1	0.1
91KFA0235	till	1	2	33	44	8	27	13	25	2	17	10	5	0.2	0.6
91KFA0236GF	gravel	1	2	24	19	2	12	19	17	2	50	7	11	0.1	0.1
91KFA0237	till	1	2	18	13	0.5	14	10	14	2	52	6	12	0.1	0.1
91KFA0238GF	gravel	1	2	47	52	17	35	19	34	30	17	13	5	0.1	0.1
91KFA0239	till	1	8	75	117	19	94	98	61	2	34	11	14	0.2	0.9
91KFA0240	till	1	2	28	29	8	24	16	17	2	17	19	7	0.2	0.8
91KFA0241	till	1	2	18	15	0.5	10	10	16	2	61	6	13	0.1	0.1
91KFA0242	till	1	2	19	19	0.5	12	9	15	10	38	6	6	0.1	0.4
91KFA0243	till	1	2	19	16	0.5	12	16	19	2	53	6	9	0.1	0.1
91KFA0244	till	1	2	22	20	0.5	17	9	16	2	37	7	8	0.1	0.1
91KFA0245	till	1	2	15	12	0.5	7	8	12	2	62	5	10	0.1	0.1

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0246	till	1	2	22	27	4	19	7	18	2	13	7	0.5	0.1	0.1
91KFA0247	till	1	2	19	17	0.5	12	10	16	2	43	7	6	0.1	0.1
91KFA0248	till	1	2	16	10	0.5	6	9	11	2	47	5	5	0.1	0.1
91KFA0249	till	1	2	14	11	0.5	10	12	11	2	53	5	12	0.1	0.1
91KFA0250	till	1	2	16	11	0.5	8	8	13	2	49	5	10	0.1	0.1
91KFA0251	till	1	2	17	12	0.5	9	10	15	8	44	5	6	0.1	0.7
91KFA0252	till	1	2	22	26	1	19	18	17	2	35	7	9	0.1	0.1
91KFA0253	till	1	2	37	49	8	38	35	33	2	29	17	11	0.1	0.2
91KFA0254	till	1	5	32	40	10	25	19	25	2	17	15	3	0.1	0.6
91KFA0255	till	1	2	18	15	0.5	11	10	13	2	49	6	17	0.1	0.1
91KFA0256	till	1	2	30	34	12	26	12	17	2	12	8	0.5	0.1	0.1
91KFA0257	till	1	2	17	15	2	17	27	9	2	30	9	7	0.1	0.1
91KFA0258	till	1	2	19	14	0.5	13	10	15	2	55	7	13	0.1	0.5
91KFA0259	till	1	2	19	14	0.5	13	10	15	2	44	7	10	0.1	0.1
91KFA0260	till	1	2	17	14	0.5	8	8	10	2	42	6	8	0.1	0.1
91KFA0261	till	1	2	37	38	5	26	10	19	2	13	5	1	0.1	0.5
91KFA0262	till	1	2	19	16	0.5	11	9	14	2	59	6	4	0.1	0.1
91KFA0263	till	1	2	15	11	0.5	9	10	12	2	47	5	14	0.1	0.1
91KFA0264	till	1	2	17	13	0.5	12	10	16	2	57	6	15	0.1	0.1
91KFA0265	till	1	2	15	10	0.5	10	8	10	2	51	5	9	0.1	0.1
91KFA0266	till	1	2	17	12	0.5	12	9	13	2	54	6	11	0.1	0.1
91KFA0267	till	1	2	16	12	0.5	11	10	12	2	52	6	8	0.1	1.8
91KFA0268	till	1	2	23	18	3	12	14	19	2	51	7	3	0.1	0.1
91KFA0269	till	1	2	15	11	0.5	6	5	9	2	45	7	12	0.1	0.8
91KFA0270	till	1	2	13	9	0.5	10	8	9	2	55	5	9	0.1	0.3
91KFA0271	till	1	2	17	11	0.5	8	8	11	2	55	5	8	0.1	1.2
91KFA0272	till	1	2	18	13	0.5	13	14	16	2	58	6	12	0.1	0.1
91KFA0273	till	1	2	23	24	6	14	6	19	2	18	7	0.5	0.2	0.4
91KFA0274	till	1	2	21	16	4	9	4	21	6	17	5	2	0.1	0.1
91KFA0275	till	1	2	17	12	0.5	8	8	11	2	41	6	7	0.1	0.6
91KFA0276	till	1	2	54	45	17	34	22	49	2	51	8	5	0.3	1
91KFA0277	till	1	2	17	11	0.5	9	21	13	2	53	6	10	0.1	0.7
91KFA0278	till	1	2	22	17	1	14	16	21	2	51	6	8	0.1	0.1
91KFA0279	till	1	2	23	23	5	17	8	21	21	12	5	0.5	0.1	0.1
91KFA0280GF	gravel	1	2	14	10	0.5	5	11	6	2	38	5	13	0.1	0.1
91KFA0281	till	1	2	19	13	1	12	10	12	2	37	6	8	0.1	1.8
91KFA0282	till	1	2	15	10	0.5	6	8	11	2	52	5	11	0.1	0.7

Sample No.	Sed. Type	Plot	Sc ppm <63 µm	V ppm <63 µm	Cr ppm <63 µm	Co ppm <63 µm	Ni ppm <63 µm	Cu ppm <63 µm	Zn ppm <63 µm	As ppm <63 µm	Sr ppm <63 µm	Y ppm <63 µm	Mo ppm <63 µm	Ag ppm <63 µm	Cd ppm <63 µm
91KFA0283	till	1	2	41	39	24	46	63	90	2	14	6	0.5	0.3	0.7
91KFA0284	till	1	2	27	25	10	17	14	33	2	81	7	0.5	0.1	1.1
91KFA0284A	till	0	2	26	25	10	16	13	31	2	82	7	0.5	0.1	0.1
91KFA0284B	till	0	2	31	30	10	19	16	40	2	68	7	0.5	0.1	0.1
91KFA0285	till	1	2	30	28	10	20	17	38	2	69	7	0.5	0.1	0.3
91KFA0286	till	1	2	19	12	4	4	7	20	2	47	7	0.5	0.1	0.4

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppb <63 µm	Pt ppb <63 µm	Au ppb <63 µm
91KFA0001	till	1	10	2	5	35	17	10	76	2	2	1	2
91KFA0002	till	1	10	2	5	65	21	10	35	2	2	1	13
91KFA0003	till	1	10	2	5	70	26	10	18	2	3	1	3
91KFA0004	till	1	10	8	5	37	64	10	23	2	4	1	2
91KFA0004A	till	0	10	2	5	26	27	10	15	2	4	1	6
91KFA0005	till	1	10	10	5	20	13	10	25	2	3	1	2
91KFA0006	till	1	10	10	5	33	12	10	23	2	3	1	1
91KFA0007	till	1	10	10	5	34	14	10	25	5	3	1	2
91KFA0008	till	1	10	11	5	27	14	10	25	5	4	1	2
91KFA0009	till	1	10	2	5	32	24	10	19	2	3	1	0.5
91KFA0010	till	1	10	2	5	36	35	10	14	2	4	1	2
91KFA0010A	till	0	10	2	5	53	44	10	22	2	4	1	2
91KFA0011	till	1	10	9	5	10	13	10	25	2	4	1	8
91KFA0012	till	1	10	9	5	18	12	10	22	2	4	1	2
91KFA0013	till	1	10	2	5	25	10	10	13	2	5	1	6
91KFA0014	till	1	10	9	5	39	13	10	23	2	4	1	2
91KFA0015	till	1	10	2	5	37	19	10	17	2	5	1	1
91KFA0016	till	1	10	9	5	17	10	10	23	2	6	1	3
91KFA0017	till	1	10	8	5	38	12	10	21	2	5	1	2
91KFA0018	till	1	10	9	5	21	11	10	28	2	6	1	3
91KFA0019	till	1	10	2	5	51	36	10	18	2	4	1	4
91KFA0020	till	1	10	2	5	39	38	10	13	2	6	1	2
91KFA0021GF	gravel	1	10	8	5	21	11	10	21	2	2	1	1
91KFA0022GF	gravel	1	10	8	5	16	12	10	28	2	4	1	2
91KFA0023	till	1	10	2	5	21	26	10	17	2	2	1	2
91KFA0024	till	1	10	2	5	38	16	10	18	2	2	1	3
91KFA0025	till	1	10	2	5	54	14	10	18	2	1	1	2
91KFA0026	till	1	10	2	5	65	24	10	16	2	2	1	4
91KFA0027	till	1	10	8	5	28	17	10	23	2	2	1	3
91KFA0028	till	1	10	9	5	16	11	10	20	2	2	1	2
91KFA0029	till	1	10	6	5	37	5	10	34	2	1	1	0.5
91KFA0030	till	1	10	2	5	23	24	10	16	2	2	1	2
91KFA0031	till	1	31	2	5	20	11	10	15	2	2	1	2
91KFA0032	till	1	20	2	5	36	30	10	13	2	2	1	2
91KFA0033	till	1	10	2	5	219	27	10	17	2	1	1	3
91KFA0034	till	1	10	2	5	141	23	10	18	2	2	1	1
91KFA0035	till	1	10	7	5	57	22	10	13	2	2	1	4

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppm <63 µm	Pt ppm <63 µm	Au ppb <63 µm
91KFA0036	till	1	10	8	5	31	26	10	14	2	2	1	4
91KFA0037	till	1	10	37	5	30	14	10	25	5	2	1	1
91KFA0038	till	1	10	12	5	38	19	10	18	2	1	1	2
91KFA0039	till	1	10	10	5	35	31	10	16	2	2	1	2
91KFA0040	till	1	10	38	5	24	14	10	21	5	2	1	2
91KFA0041	till	1	10	32	5	38	30	10	21	2	2	1	5
91KFA0042	till	1	10	11	5	44	35	10	16	2	2	1	1
91KFA0043	till	1	10	16	5	89	26	10	23	2	2	1	5
91KFA0044	till	1	10	6	5	16	62	10	11	2	0.5	1	1
91KFA0045	till	1	10	32	5	31	17	10	20	2	1	1	2
91KFA0046	till	1	10	7	5	44	16	10	16	2	2	1	2
91KFA0047	till	1	10	14	5	34	20	10	15	2	2	1	0.5
91KFA0048	till	1	10	34	5	20	14	10	19	2	0.5	1	2
91KFA0049	till	1	10	33	5	23	13	10	18	2	0.5	1	0.5
91KFA0050	till	1	10	13	5	84	25	10	21	2	2	1	0.5
91KFA0051	till	1	10	35	5	33	16	10	23	2	1	1	0.5
91KFA0052	till	1	10	11	5	59	31	10	15	2	2	1	1
91KFA0053	till	1	10	16	5	26	66	10	17	2	2	1	2
91KFA0054	till	1	10	35	5	34	20	10	23	2	2	4	6
91KFA0055	till	1	10	11	5	49	26	10	17	2	2	1	2
91KFA0056	till	1	10	32	5	26	13	10	20	2	2	1	2
91KFA0056A	till	0	10	34	5	40	16	10	25	2	2	1	2
91KFA0057	till	1	10	36	5	42	18	10	23	2	2	1	1
91KFA0058	till	1	10	37	5	14	15	10	23	5	2	1	1
91KFA0059	till	1	10	2	5	21	19	10	11	2	2	1	1
91KFA0060	till	1	10	5	5	22	20	10	9	2	3	1	0.5
91KFA0061	till	1	10	34	5	25	28	10	23	2	2	1	1
91KFA0062	till	1	10	22	5	43	20	10	21	2	1	1	2
91KFA0063	till	1	10	39	5	58	23	10	31	5	3	1	2
91KFA0064	till	1	10	37	5	47	19	10	31	5	2	1	0.5
91KFA0065	till	1	10	32	5	19	15	10	23	2	2	1	1
91KFA0066	till	1	10	35	5	16	16	10	23	2	2	1	3
91KFA0067	till	1	10	11	5	20	47	10	14	2	2	1	2
91KFA0068	till	1	10	32	5	12	14	10	19	2	2	1	2
91KFA0069	till	1	10	32	5	20	14	10	20	2	2	1	0.5
91KFA0070	till	1	10	31	5	29	17	10	21	2	2	1	4
91KFA0071	till	1	10	6	5	34	18	10	14	2	2	1	5

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppm <63 µm	Pt ppm <63 µm	Au ppb <63 µm
91KFA0072	till	1	10	43	5	38	19	10	28	6	2	1	1
91KFA0073	till	1	10	38	5	39	15	10	26	5	2	1	0.5
91KFA0074	till	1	10	38	5	34	16	10	25	5	2	1	0.5
91KFA0075	till	1	10	38	5	19	13	10	22	2	1	1	0.5
91KFA0076	till	1	10	11	5	41	20	10	17	2	1	1	1
91KFA0077	till	1	10	32	5	31	16	10	22	2	2	1	0.5
91KFA0078	till	1	10	10	5	35	40	10	16	2	1	1	0.5
91KFA0079	till	1	10	12	5	28	21	10	18	2	2	1	0.5
91KFA0080GF	gravel	1	10	16	5	51	19	10	19	2	2	6	2
91KFA0081	till	1	10	32	5	18	15	10	20	2	3	1	1
91KFA0082	till	1	10	9	5	22	22	10	16	2	2	1	0.5
91KFA0083	till	1	10	10	5	37	19	10	148	2	2	1	1
91KFA0083A	till	1	10	12	5	47	27	10	59	2	3	1	2
91KFA0084GEA	gravel	1	10	8	5	26	43	10	14	2	2	1	1
91KFA0084GFB	gravel	0	10	37	5	35	23	10	24	2	3	1	2
91KFA0084GFC	gravel	0	10	49	5	58	41	10	41	7	3	1	2
91KFA0085	till	1	10	35	5	18	15	10	21	2	3	1	3
91KFA0085A	till	0	10	6	5	35	12	10	15	2	3	1	1
91KFA0085B	till	0	10	2	5	19	13	10	8	2	3	1	1
91KFA0086	till	1	10	32	5	13	14	10	21	2	3	3	1
91KFA0087	till	1	10	27	5	9	9	10	17	2	3	1	1
91KFA0088	till	1	10	9	5	37	49	10	16	2	3	1	4
91KFA0089	till	1	10	33	5	26	24	10	22	2	2	4	1
91KFA0090	till	1	10	28	5	23	53	10	21	2	3	1	3
91KFA0091	till	1	10	7	5	36	30	10	14	2	3	1	3
91KFA0092	till	1	10	34	5	15	12	10	19	2	3	1	2
91KFA0093	till	1	10	33	5	21	15	10	18	2	3	1	1
91KFA0094	till	1	10	33	5	24	20	10	23	2	3	1	2
91KFA0095	till	1	10	37	5	29	18	10	22	2	3	1	5
91KFA0096	till	1	10	37	5	37	16	10	25	5	3	3	2
91KFA0097	till	1	10	38	5	28	25	10	27	2	3	1	2
91KFA0098	till	1	10	35	5	24	15	10	22	2	1	1	3
91KFA0099	till	1	10	50	5	24	16	10	37	7	1	1	3
91KFA0099A	till	0	10	36	5	22	15	10	24	5	0.5	1	0.5
91KFA0100	till	1	10	20	5	47	25	10	20	2	0.5	1	0.5
91KFA0101	till	1	10	39	5	58	44	10	26	5	0.5	1	0.5
91KFA0102	till	1	10	31	5	73	34	10	25	2	0.5	1	3

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppm <63 µm	Pt ppm <63 µm	Au ppb <63 µm
91KFA0103	till	1	10	37	5	15	16	10	22	2	0.5	1	3
91KFA0104	till	1	10	34	5	13	12	10	21	2	0.5	1	2
91KFA0105	till	1	10	33	5	18	20	10	21	2	0.5	1	0.5
91KFA0106	till	1	10	33	5	25	14	10	21	2	0.5	1	0.5
91KFA0107	till	1	10	33	5	27	20	10	23	2	0.5	1	0.5
91KFA0108	till	1	10	9	5	71	20	10	13	2	0.5	1	4
91KFA0109	till	1	10	8	5	45	16	10	12	2	0.5	1	0.5
91KFA0110	till	1	10	7	5	25	19	10	11	2	0.5	1	0.5
91KFA0111	till	1	10	36	5	20	15	10	21	5	0.5	1	2
91KFA0112	till	1	10	14	5	48	32	10	19	2	0.5	1	2
91KFA0113	till	1	10	14	5	50	52	10	22	2	0.5	1	0.5
91KFA0114	till	1	10	25	5	42	25	10	21	2	0.5	3	0.5
91KFA0115	till	1	10	38	5	12	10	10	23	2	0.5	1	2
91KFA0116	till	1	10	31	5	25	18	10	22	2	0.5	1	2
91KFA0117	till	1	10	26	5	22	42	10	29	2	0.5	1	0.5
91KFA0118	till	1	10	35	5	15	18	10	22	5	0.5	1	2
91KFA0119	till	1	10	38	5	18	15	10	24	2	1	1	4
91KFA0120	till	1	10	37	5	47	16	10	26	6	1	1	2
91KFA0120A	till	0	10	33	5	39	20	10	21	2	1	1	2
91KFA0120B	till	0	10	35	5	43	17	10	22	5	1	1	2
91KFA0121	till	1	10	12	5	78	38	10	15	2	2	6	1
91KFA0122	till	1	10	38	5	25	13	10	22	5	0.5	4	2
91KFA0123	till	1	10	31	5	24	16	10	25	2	3	1	3
91KFA0124	till	1	10	37	5	27	13	10	21	5	2	1	2
91KFA0125	till	1	10	11	5	47	19	10	16	2	2	1	5
91KFA0126	till	1	10	33	5	42	13	10	23	2	1	1	2
91KFA0127	till	1	10	38	5	66	21	10	29	2	2	1	4
91KFA0128	till	1	10	36	5	15	14	10	28	5	2	1	2
91KFA0128A	till	0	10	35	5	22	20	10	25	5	1	1	4
91KFA0129	till	1	10	8	5	34	20	10	10	2	2	4	6
91KFA0130	till	1	10	10	5	57	18	10	15	2	1	1	7
91KFA0131	till	1	10	6	5	39	20	10	13	2	2	3	3
91KFA0132	till	1	10	7	5	38	23	10	13	2	2	1	2
91KFA0133	till	1	10	6	5	46	14	10	16	2	2	1	2
91KFA0134	till	1	10	38	5	16	13	10	25	5	2	1	2
91KFA0135	till	1	10	11	5	32	36	10	15	2	2	4	2
91KFA0136	till	1	10	42	5	21	13	10	26	6	2	3	2

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppb <63 µm	Pt ppb <63 µm	Au ppb <63 µm
91KFA0137	till	1	10	40	5	25	14	10	25	5	1	1	2
91KFA0138	till	1	10	38	5	30	15	10	27	2	1	1	0.5
91KFA0139	till	1	10	34	5	25	16	10	26	2	1	1	3
91KFA0140	till	1	10	39	5	36	16	10	27	5	2	1	3
91KFA0141	till	1	10	15	5	23	15	10	21	2	2	1	11
91KFA0142	till	1	10	15	5	26	13	10	20	2	0.5	1	2
91KFA0143	till	1	10	5	5	39	19	10	15	2	1	1	1
91KFA0144	till	1	10	2	5	28	19	10	9	2	1	1	2
91KFA0145	till	1	10	12	5	47	18	10	19	2	1	1	3
91KFA0146	till	1	10	11	5	17	15	10	19	2	0.5	1	0.5
91KFA0147	till	1	10	11	5	37	14	10	17	2	3	1	2
91KFA0148	till	1	10	12	5	21	14	10	18	5	2	1	2
91KFA0148A	till	0	10	2	5	42	16	10	10	2	1	5	4
91KFA0148B	till	0	10	2	5	90	9	10	10	2	0.5	1	0.5
91KFA0148C	till	0	10	2	5	11	9	10	7	2	1	1	2
91KFA0149	till	1	10	2	5	18	23	10	7	2	1	1	11
91KFA0150	till	1	10	13	5	16	11	10	18	2	0.5	1	3
91KFA0151	till	1	10	6	5	26	36	10	10	2	2	1	1
91KFA0152	till	1	10	5	5	29	16	10	8	2	2	1	3
91KFA0153	till	1	10	6	5	43	26	10	8	2	2	1	5
91KFA0154	till	1	10	2	5	30	16	10	7	2	2	5	3
91KFA0155	till	1	10	14	5	26	13	10	18	2	3	1	1
91KFA0156	till	1	10	2	5	24	31	10	8	2	2	5	3
91KFA0157	till	1	10	2	5	51	20	10	8	2	2	1	3
91KFA0158	till	1	10	13	5	27	14	10	18	2	3	1	3
91KFA0159	till	1	10	15	5	23	13	10	19	5	3	4	6
91KFA0160	till	1	10	15	5	17	11	10	20	2	0.5	1	12
91KFA0161	till	1	10	15	5	19	12	10	18	5	0.5	1	6
91KFA0166	till	1	10	14	5	19	13	10	20	2	0.5	1	0.5
91KFA0167	till	1	10	2	5	37	16	10	9	2	1	1	4
91KFA0168	till	1	10	2	5	30	33	10	19	2	2	1	1
91KFA0169	till	1	10	2	5	31	42	20	8	2	1	1	2
91KFA0170	till	1	10	11	5	35	13	10	19	2	1	1	4
91KFA0171	till	1	10	2	5	24	20	10	6	2	0.5	1	4
91KFA0172	till	1	10	6	5	10	38	10	18	2	0.5	1	4
91KFA0173	till	1	10	8	5	30	27	10	19	2	2	1	2
91KFA0174	till	1	10	10	5	24	15	10	18	2	1	1	4

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppm <63 µm	Pt ppm <63 µm	Au ppb <63 µm
91KFA0175	till	1	10	9	5	26	13	10	17	2	1	1	1
91KFA0176	till	1	10	9	5	19	14	10	17	2	1	1	2
91KFA0177	till	1	10	12	5	21	20	10	20	2	1	1	1
91KFA0178	till	1	10	8	5	23	11	10	16	2	0.5	1	3
91KFA0178A	till	0	10	2	5	28	19	10	9	2	0.5	1	6
91KFA0179	till	1	10	15	5	25	24	10	22	2	1	1	1
91KFA0180	till	0	58	2	5	47	35	10	16	2	2	1	2
91KFA0180A	till	0	10	2	5	54	80	10	30	2	5	1	0.5
91KFA0181	till	1	10	13	5	63	18	10	20	5	2	1	10
91KFA0182	till	1	10	2	5	51	11	10	17	2	1	1	3
91KFA0182A	sand	0	10	2	5	11	15	10	8	2	2	1	1
91KFA0183	till	1	10	11	5	12	12	10	19	2	2	1	11
91KFA0184	till	1	10	11	5	50	28	10	46	2	2	1	5
91KFA0185	till	1	10	12	5	24	20	10	23	2	1	1	7
91KFA0186GF	gravel	1	10	10	5	17	15	10	17	2	3	1	8
91KFA0187	till	1	10	2	5	11	10	10	14	2	2	1	3
91KFA0187GF	gravel	1	10	14	5	23	19	10	24	5	6	1	21
91KFA0189	till	1	10	8	5	22	23	10	23	2	2	1	4
91KFA0190	till	1	10	2	5	67	24	10	224	2	3	1	24
91KFA0191	tailings	1	52	14	5	161	14	10	1311	9	2	1	123
91KFA0192	till	1	10	12	5	18	14	10	33	2	2	1	12
91KFA0193GF	gravel	1	10	11	5	16	13	10	21	2	3	1	4
91KFA0194	till	1	10	2	5	18	26	10	11	2	3	1	9
91KFA0195GF	gravel	1	10	7	5	28	18	10	50	2	2	1	25
91KFA0196	till	1	10	13	5	16	12	10	20	2	0.5	1	7
91KFA0197	till	1	34	2	5	20	18	10	6	2	1	1	18
91KFA0198	till	1	10	2	5	80	25	10	16	2	2	1	17
91KFA0199	till	1	10	2	5	53	24	10	16	2	3	1	5
91KFA0200	till	1	35	2	5	29	19	10	10	2	1	1	8
91KFA0201	till	1	10	2	5	41	27	10	6	2	3	1	6
91KFA0202GF	gravel	1	10	2	5	73	55	10	23	2	3	1	7
91KFA0203	till	1	37	9	5	46	21	10	17	2	2	1	12
91KFA0204	till	1	10	2	5	32	11	10	10	2	3	1	7
91KFA0205	till	1	10	2	5	74	19	10	18	2	0.5	1	8
91KFA0206	till	1	10	8	5	24	15	10	18	2	1	1	9
91KFA0207	till	1	10	2	5	15	19	10	10	2	2	1	3
91KFA0208	till	1	10	11	5	13	15	10	21	2	1	1	2

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppb <63 µm	Pt ppb <63 µm	Au ppb <63 µm
91KFA0209	till	1	10	9	5	16	13	10	19	2	1	1	2
91KFA0210	till	1	10	12	5	13	17	10	18	2	1	1	6
91KFA0211	till	1	10	15	5	24	13	10	21	2	1	1	1
91KFA0212	till	1	10	2	5	28	26	10	9	2	1	1	3
91KFA0213	till	1	10	2	5	14	22	10	6	2	1	3	3
91KFA0214	till	1	10	10	5	63	21	10	23	2	0.5	1	4
91KFA0215	till	1	10	13	5	19	13	10	23	5	0.5	1	3
91KFA0216	till	1	10	12	5	13	12	10	20	5	0.5	1	4
91KFA0217	till	1	10	2	5	32	18	10	8	2	0.5	1	7
91KFA0218	till	1	10	2	5	19	37	10	9	2	1	1	5
91KFA0219	till	1	10	14	5	30	14	10	19	5	0.5	1	3
91KFA0220	till	1	10	2	5	17	47	10	16	2	0.5	1	0.5
91KFA0221	till	1	10	2	5	97	44	10	23	2	1	1	1
91KFA0222	till	1	10	2	5	47	26	10	10	2	0.5	1	3
91KFA0223	till	1	10	2	5	109	56	10	17	2	2	1	4
91KFA0224GF	gravel	1	10	2	5	41	20	10	19	2	0.5	1	3
91KFA0225	till	1	10	2	5	33	24	10	9	2	0.5	1	7
91KFA0226	till	1	10	11	5	19	20	10	19	2	0.5	4	2
91KFA0227	till	1	10	13	5	19	12	10	20	2	1	1	3
91KFA0228	till	1	10	13	5	19	14	10	17	2	1	5	3
91KFA0229	till	1	10	13	5	19	12	10	19	5	1	1	0.5
91KFA0230	till	1	10	14	5	30	16	10	21	2	1	1	2
91KFA0231	till	1	10	7	5	163	42	10	22	2	4	3	5
91KFA0232	till	1	10	15	5	22	15	10	22	6	1	1	4
91KFA0233	till	1	10	6	5	32	13	10	15	2	1	1	2
91KFA0234	till	1	10	16	5	38	21	10	25	5	2	3	2
91KFA0235	till	1	10	2	5	46	29	10	12	2	2	5	18
91KFA0236GF	gravel	1	10	13	5	26	19	10	20	2	1	1	2
91KFA0237	till	1	10	14	5	24	12	10	20	2	1	5	2
91KFA0238GF	gravel	1	10	2	5	48	35	10	20	2	2	6	4
91KFA0239	till	1	10	10	5	298	43	10	24	5	3	5	2
91KFA0240	till	1	10	2	5	35	39	10	12	2	2	1	2
91KFA0241	till	1	10	16	5	29	14	10	19	5	2	1	3
91KFA0242	till	1	10	11	5	25	16	10	19	2	2	6	4
91KFA0243	till	1	10	14	5	29	15	10	22	2	1	5	1
91KFA0244	till	1	10	12	5	41	16	10	20	5	2	1	4
91KFA0245	till	1	10	16	5	26	11	10	20	5	2	4	3

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppm <63 µm	Pt ppm <63 µm	Au ppm <63 µm
91KFA0246	till	1	10	2	5	39	21	10	9	2	2	5	3
91KFA0247	till	1	10	13	5	28	15	10	23	2	1	7	3
91KFA0248	till	1	10	12	5	20	12	10	19	2	1	6	2
91KFA0249	till	1	10	14	5	23	11	10	19	2	0.5	1	3
91KFA0250	till	1	10	9	5	22	13	10	18	2	0.5	1	0.5
91KFA0251	till	1	10	8	5	23	15	10	19	2	1	4	3
91KFA0252	till	1	10	11	5	54	22	10	21	2	2	4	3
91KFA0253	till	1	10	6	5	98	42	10	20	2	0.5	1	2
91KFA0254	till	1	10	2	5	50	37	10	12	2	1	1	2
91KFA0255	till	1	10	13	5	29	12	10	19	5	2	1	2
91KFA0256	till	1	10	2	5	35	25	10	10	2	2	8	6
91KFA0257	till	1	10	15	5	28	17	10	25	5	3	1	3
91KFA0258	till	1	10	16	5	26	15	10	22	5	2	4	5
91KFA0259	till	1	10	19	5	25	15	10	26	6	2	7	5
91KFA0260	till	1	10	11	5	18	13	10	20	5	2	1	5
91KFA0261	till	1	10	2	5	49	15	10	13	2	2	4	3
91KFA0262	till	1	10	14	5	28	13	10	20	5	2	1	10
91KFA0263	till	1	10	12	5	19	12	10	20	2	1	1	3
91KFA0264	till	1	10	19	5	24	13	10	22	6	2	3	8
91KFA0265	till	1	10	16	5	22	13	10	20	5	1	4	3
91KFA0266	till	1	10	15	5	24	13	10	19	5	2	4	7
91KFA0267	till	1	10	15	5	28	14	10	21	5	2	4	4
91KFA0268	till	1	10	13	5	25	16	10	21	2	1	3	4
91KFA0269	till	1	10	12	5	14	15	10	20	2	1	1	3
91KFA0270	till	1	10	16	5	18	13	10	21	5	1	3	4
91KFA0271	till	1	10	17	5	17	12	10	21	6	2	1	3
91KFA0272	till	1	10	16	5	31	14	10	20	5	3	1	3
91KFA0273	till	1	10	2	5	45	30	10	9	2	2	1	2
91KFA0274	till	1	10	2	5	31	22	10	6	2	3	1	2
91KFA0275	till	1	10	8	5	26	20	10	17	2	3	1	3
91KFA0276	till	1	10	2	5	100	38	10	14	2	3	4	8
91KFA0277	till	1	27	10	5	38	13	10	19	2	4	1	5
91KFA0278	till	1	10	8	5	44	22	10	16	2	3	1	3
91KFA0279	till	1	10	2	5	35	14	10	8	2	4	1	2
91KFA0280GF	gravel	1	10	9	5	13	15	10	15	2	4	1	2
91KFA0281	till	1	20	10	5	31	16	10	18	2	4	4	6
91KFA0282	till	1	10	14	5	20	12	10	21	5	4	5	2

Sample No.	Sed. Type	Plot	Sn ppm <63 µm	Sb ppm <63 µm	Te ppm <63 µm	Ba ppm <63 µm	La ppm <63 µm	W ppm <63 µm	Pb ppm <63 µm	Bi ppm <63 µm	Pd ppm <63 µm	Pt ppm <63 µm	Au ppm <63 µm
91KFA0283	till	1	10	10	5	25	18	10	33	2	7	5	5
91KFA0284	till	1	10	15	5	53	16	10	19	2	4	5	2
91KFA0284A	till	0	10	13	5	53	16	10	13	2	4	1	4
91KFA0284B	till	0	10	14	5	61	19	10	16	2	4	4	3
91KFA0285	till	1	10	12	5	58	18	10	15	2	5	1	3
91KFA0286	till	1	10	18	5	20	26	10	12	2	4	5	2
Sample No.													

**A (iv) Trace and Minor Element Data for Clay (< 2 μm) and
Silt plus Clay (<63 μm) Fractions of Duplicate Till Samples**

For explanation of data, see Appendix A (ii) and A (iii).

SBA and TCA are Terrain Sciences standards

Manitouwadge 1991 Trace Element Data - duplicates and standards for < 2 µm fraction

Sample No.	Lab. No.	Al pct	Fe pct	Mn ppm	Mg pct	Ca pct	Na pct	K pct	Sc ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm
91KFA0007	92PH-0103	2.12	2.79	456	1.95	9.84	0.22	0.27	5	43	48	13	35	29	59
91KFA0010A	92PH-0104	3.99	4.54	691	1.64	0.46	0.86	0.42	13	64	98	20	59	26	86
91KFA0014	92PH-0105	2.4	3.16	764	1.8	7.21	0.27	0.29	6	50	57	17	38	57	63
91KFA0025	92PH-0106	3.8	3.86	560	1.41	0.32	0.44	0.39	5	61	83	19	52	22	69
91KFA0037	92PH-0107	2.15	2.75	467	1.93	8.7	0.47	0.34	2	40	48	10	35	36	76
91KFA0056A	92PH-0108	2.77	3.4	491	1.8	6.29	0.37	0.47	6	53	66	13	43	50	78
91KFA0057	92PH-0110	2.57	3.08	438	2.07	10	0.36	0.39	6	49	54	13	42	55	69
91KFA0063	92PH-0111	3.38	4.05	544	2.3	2.64	0.54	0.53	7	62	76	15	52	34	89
91KFA0064	92PH-0113	3.19	3.79	553	2	5.59	0.54	0.49	7	59	73	15	47	46	85
91KFA0073	92PH-0114	2.44	3	519	2.07	10	0.46	0.47	6	49	59	12	38	32	72
91KFA0078	92PH-0115	4.57	5.1	993	1.55	0.46	0.48	0.35	16	81	111	28	68	141	81
91KFA0099	92PH-0116	6.44	10	1997	7.38	2.53	0.58	0.11	19	224	241	81	103	1322	151
91KFA0120	92PH-0117	2.3	3.02	496	1.92	9.77	0.55	0.48	5	47	61	13	39	39	80
91KFA0141	92PH-0153	2.66	3.65	733	2.6	5.7	0.86	0.3	6	49	65	21	47	70	81
91KFA0146	92PH-0146	2.49	3.01	618	2.12	8.98	0.68	0.3	6	42	55	17	42	34	75
91KFA0178	92PH-0143	1.65	2.31	531	2.71	10	0.27	0.34	2	38	34	17	31	49	79
91KFA0180	92PH-0148	3.17	7.6	2609	1.26	1.63	0.43	0.38	7	87	94	34	69	89	345
91KFA0190	92PH-0158	4.18	6.49	1221	1.91	2.21	0.62	0.44	7	87	87	30	85	1320	7536
91KFA0214	92PH-0159	3.18	3.97	544	2.1	3.01	0.64	0.55	7	64	85	16	65	52	90
91KFA0219	92PH-0144	2.44	3.01	517	2.03	10	0.41	0.39	6	47	55	13	39	42	72
91KFA0226	92PH-0157	2.02	2.93	748	2.36	10	0.55	0.36	6	45	51	20	44	96	72
91KFA0231	92PH-0156	4.2	8.51	1470	2.76	0.97	1.1	1	19	172	159	72	234	414	166
91KFA0239	92PH-0147	6.41	8.8	1144	3.97	1.14	0.55	3.18	22	188	335	49	341	349	198
91KFA0249	92PH-0142	2.09	2.73	489	2.18	10	0.64	0.36	2	41	48	14	40	57	83
91KFA0254	92PH-0151	4.07	5.63	1090	2.04	0.37	0.65	0.71	18	87	148	34	106	90	111
91KFA0267	92PH-0149	3.05	4.21	750	2.36	7.08	0.63	0.5	7	63	78	19	60	57	91
91KFA0281	92PH-0161	3.2	4.81	811	2.54	2.81	1.01	0.54	9	74	80	28	64	113	125
91KFA0282	92PH-0152	1.68	2.26	460	2.59	10	0.25	0.31	2	35	36	13	27	46	60
91KFA0285	92PH-0154	2.05	2.75	405	2.03	8.97	0.23	0.42	5	45	55	11	36	26	66
SBA	92PH-0109	2.51	3.33	915	0.75	0.08	0.04	0.31	5	38	37	16	34	58	91
SBA	92PH-0112	2.9	3.75	995	0.85	0.08	0.04	0.36	6	43	38	17	39	66	103
SBA	92PH-0145	2.54	3.54	976	0.78	0.09	0.04	0.29	5	40	37	16	42	63	92
SBA	92PH-0150	2.41	3.33	898	0.73	0.07	0.03	0.27	5	38	32	15	32	60	87
SBA	92PH-0155	2.65	3.68	1006	0.81	0.08	0.04	0.3	6	42	36	18	38	64	94
SBA	92PH-0160	2.75	3.72	1008	0.82	0.07	0.04	0.31	6	42	36	18	38	67	98

Manitouwadge 1991 Trace Element Data - duplicates and standards for < 2 µm fraction

Sample No.	Lab. No.	As ppm	Sr ppm	Y ppm	Mo ppm	Ag ppm	Cd ppm	Sn ppm	Sb ppm	Te ppm	Ba ppm	La ppm	W ppm	Pb ppm	Bi ppm
91KFA0007	92PH-0103	2	60	10	0.5	0.1	0.1	10	2	5	77	25	10	20	2
91KFA0010A	92PH-0104	2	22	26	0.5	0.1	0.1	10	2	5	82	48	10	19	2
91KFA0014	92PH-0105	2	54	12	0.5	0.1	0.1	10	2	5	112	27	10	17	2
91KFA0025	92PH-0106	2	21	5	0.5	0.1	0.1	10	2	5	92	19	10	17	2
91KFA0037	92PH-0107	2	61	9	0.5	0.1	0.1	10	7	5	75	23	10	14	2
91KFA0056A	92PH-0108	2	54	10	0.5	0.1	0.1	10	2	5	105	27	10	14	2
91KFA0057	92PH-0110	2	67	10	0.5	0.1	0.1	10	11	5	108	26	10	17	2
91KFA0063	92PH-0111	2	33	12	1	0.1	1	10	8	5	108	29	10	17	2
91KFA0064	92PH-0113	2	49	11	1	0.1	0.1	10	6	5	114	26	10	12	2
91KFA0073	92PH-0114	2	80	9	0.5	0.1	0.1	10	8	5	109	26	10	17	2
91KFA0078	92PH-0115	2	29	24	0.5	0.2	0.1	10	5	5	115	68	10	15	2
91KFA0099	92PH-0116	2	22	15	6	0.1	0.1	10	35	5	36	21	10	1	2
91KFA0120	92PH-0117	2	73	8	0.5	0.1	0.1	10	2	5	107	23	10	15	2
91KFA0141	92PH-0153	2	38	23	0.5	0.1	0.1	10	8	5	107	36	10	30	2
91KFA0146	92PH-0146	7	55	17	0.5	0.1	0.2	10	2	5	67	32	10	25	2
91KFA0178	92PH-0143	2	81	9	0.5	0.1	0.4	10	18	5	109	25	10	26	2
91KFA0180	92PH-0148	21	31	44	10	1	0.4	10	2	5	139	156	10	56	2
91KFA0190	92PH-0158	22	31	34	7	10.9	31.5	10	7	5	230	72	10	770	2
91KFA0214	92PH-0159	2	32	10	5	0.2	0.3	10	8	5	104	25	10	24	2
91KFA0219	92PH-0144	2	74	10	0.5	0.1	0.1	10	2	5	111	26	10	24	2
91KFA0226	92PH-0157	2	67	13	0.5	0.1	0.1	10	7	5	81	34	10	27	2
91KFA0231	92PH-0156	9	21	28	0.5	1	0.1	10	15	5	270	54	10	34	2
91KFA0239	92PH-0147	5	20	10	3	0.5	0.6	10	7	5	763	22	10	29	2
91KFA0249	92PH-0142	2	73	8	0.5	0.2	0.1	10	7	5	81	21	10	26	2
91KFA0254	92PH-0151	2	18	25	7	0.4	0.2	10	7	5	167	50	10	28	2
91KFA0267	92PH-0149	8	47	11	0.5	0.1	1.3	10	11	5	132	25	10	30	2
91KFA0281	92PH-0161	2	29	23	5	0.3	0.1	10	13	5	164	48	10	30	2
91KFA0282	92PH-0152	2	92	8	0.5	0.1	0.1	10	11	5	103	25	10	25	2
91KFA0285	92PH-0154	2	70	9	0.5	0.1	0.8	10	5	5	100	28	10	23	2
SBA	92PH-0109	9	7	10	-1	-0.2	0.6	-20	-5	-10	75	26	-20	23	-5
SBA	92PH-0112	41	8	11	-1	-0.2	-0.2	-20	-5	-10	85	29	-20	24	-5
SBA	92PH-0145	15	7	10	2	-0.2	0.8	-20	-5	-10	77	22	-20	29	-5
SBA	92PH-0150	10	6	10	-1	-0.2	1.1	-20	-5	-10	71	22	-20	30	-5
SBA	92PH-0155	26	7	11	-1	-0.2	1	-20	-5	-10	79	25	-20	31	-5
SBA	92PH-0160	-5	7	11	2	-0.2	-0.2	-20	-5	-10	80	27	-20	32	-5

Manitouwadge 1991 Trace Element Data - duplicates and standards for < 63 µm fraction

Sample No.	Lab. No.	Al pct	Fe pct	Mn ppm	Mg pct	Ca pct	Na pct	K pct	Sc ppm	V ppm	Cr ppm	Co ppm	Ni ppm	Cu ppm	Zn ppm
91KFA0008	92-PH-0057	0.61	1.04	277	3.73	10	0.05	0.12	2	19	20	2	21	9	20
91KFA0018	92-PH-0058	0.56	0.99	236	3.13	10	0.05	0.09	2	17	16	0.5	11	25	145
91KFA0040	92-PH-0060	0.49	0.86	200	3.06	10	0.05	0.09	2	16	16	0.5	14	5	14
91KFA0049	92-PH-0061	0.4	0.82	167	2.7	10	0.05	0.07	2	15	16	0.5	15	9	12
91KFA0056	92-PH-0062	0.63	1.02	219	2.81	10	0.05	0.11	2	20	19	0.5	18	14	19
91KFA0067	92-PH-0063	0.78	1.2	233	0.56	1.46	0.06	0.08	2	19	25	12	22	51	14
91KFA0081	92-PH-0064	0.38	0.95	186	2.62	9.47	0.05	0.09	2	19	19	0.5	13	12	14
91KFA0091	92-PH-0065	1.06	1.4	264	0.24	0.4	0.05	0.11	2	24	32	6	21	8	22
91KFA0096	92-PH-0067	0.88	1.29	313	3.16	10	0.06	0.18	2	23	21	2	17	13	28
91KFA0110	92-PH-0068	0.55	1.25	255	0.19	0.4	0.05	0.09	2	25	24	6	14	14	16
91KFA0122	92-PH-0069	0.49	0.86	214	3.08	10	0.06	0.11	2	16	14	0.5	12	9	19
91KFA0136	92-PH-0070	0.44	0.76	202	3.5	10	0.05	0.09	2	14	16	0.5	14	7	14
91KFA0140	92-PH-0071	0.87	1.21	309	3.13	10	0.06	0.15	2	22	25	0.5	19	12	23
91KFA0151	92-PH-0073	0.9	1.33	343	0.31	0.47	0.05	0.13	2	26	26	7	12	8	22
91KFA0166	92-PH-0074	0.51	0.81	191	3.55	9.94	0.05	0.08	2	15	12	5	7	8	15
91KFA0176	92-PH-0075	0.42	0.84	168	2.69	7.52	0.04	0.06	2	16	12	4	6	8	12
91KFA0182A	92-PH-0076	0.82	0.84	80	0.14	0.16	0.03	0.05	2	15	16	4	10	3	14
91KFA0194	92-PH-0077	0.8	1.55	162	0.22	0.34	0.03	0.07	2	28	27	8	13	11	28
91KFA0216	92-PH-0079	0.27	0.63	144	3.08	9.18	0.04	0.05	2	13	9	4	6	4	9
91KFA0229	92-PH-0080	0.33	0.74	148	3.47	10	0.04	0.05	2	15	13	5	7	8	11
91KFA0240	92-PH-0081	0.64	1.35	292	0.85	1.97	0.04	0.05	2	26	27	9	23	16	20
91KFA0249	92-PH-0082	0.39	0.73	167	3.22	10	0.04	0.08	2	14	11	5	9	12	14
91KFA0260	92-PH-0083	0.44	0.82	171	2.97	8.47	0.04	0.07	2	16	13	5	7	8	13
91KFA0279	92-PH-0085	0.84	1.13	125	0.3	0.38	0.04	0.1	2	23	22	5	16	8	26
91KFA0286	92-PH-0086	0.37	0.93	181	2.89	8.8	0.04	0.08	2	18	11	6	4	5	19
91KFA0287	92-PH-0087	0.78	10	309	0.51	0.84	0.07	0.53	2	18	23	43	20	1716	4156
TCA 8010*	92-PH-0059	1.01	1.96	348	0.39	0.53	0.06	0.09	2	30	32	9	24	36	37
TCA 8010	92-PH-0066	0.93	1.89	339	0.37	0.46	0.05	0.09	2	29	29	10	24	33	34
TCA 8010	92-PH-0072	1.06	1.97	332	0.44	0.52	0.05	0.09	5	31	27	9	19	43	45
TCA 8010	92-PH-0078	0.99	1.84	318	0.41	0.48	0.04	0.09	2	29	25	10	20	36	34
TCA 8010	92-PH-0084	0.94	1.78	312	0.41	0.47	0.04	0.09	2	28	25	9	17	34	32

Manitouwadge 1991 Trace Element Data - duplicates and standards for < 63 µm fraction

Sample No.	Lab. No.	As ppm	Sr ppm	Y ppm	Mo ppm	Ag ppm	Cd ppm	Sn ppm	Sb ppm	Te ppm	Ba ppm	La ppm	W ppm	Pb ppm	Bi ppm
91KFA0008	92-PH-0057	11	52	7	8	0.1	0.1	10	44	0.5	27	15	10	31	6
91KFA0018	92-PH-0058	12	53	6	9	0.1	0.9	10	38	0.5	23	15	10	28	5
91KFA0040	92-PH-0060	5	58	6	13	0.1	0.3	10	39	0.5	21	13	10	21	5
91KFA0049	92-PH-0061	7	55	6	11	0.1	0.6	10	34	0.5	23	14	10	22	2
91KFA0056	92-PH-0062	5	51	6	12	0.1	0.7	10	35	0.5	25	15	10	26	2
91KFA0067	92-PH-0063	8	18	14	5	0.1	0.5	10	14	0.5	19	51	10	17	2
91KFA0081	92-PH-0064	9	48	6	12	0.1	0.4	10	34	0.5	19	16	10	23	2
91KFA0091	92-PH-0065	5	14	8	2	0.1	1	10	7	0.5	34	31	10	17	2
91KFA0096	92-PH-0067	2	62	7	10	0.1	0.1	10	39	0.5	38	16	10	29	5
91KFA0110	92-PH-0068	18	13	6	0.5	0.1	0.1	10	7	0.5	23	19	10	12	2
91KFA0122	92-PH-0069	13	63	6	10	0.1	0.1	10	39	0.5	25	13	10	24	5
91KFA0136	92-PH-0070	2	60	5	12	0.1	0.9	10	42	0.5	20	12	10	27	5
91KFA0140	92-PH-0071	2	64	6	14	0.1	1.4	10	36	0.5	36	15	10	25	6
91KFA0151	92-PH-0073	2	16	12	0.5	0.1	0.1	10	7	0.5	25	38	10	10	2
91KFA0166	92-PH-0074	2	48	6	0.5	0.1	1.3	10	14	0.5	20	14	10	12	2
91KFA0176	92-PH-0075	2	36	6	0.5	0.1	0.3	10	17	0.5	18	15	10	11	2
91KFA0182A	92-PH-0076	6	5	4	0.5	0.1	0.7	10	6	0.5	10	13	10	8	2
91KFA0194	92-PH-0077	2	10	11	0.5	0.1	0.3	10	7	0.5	18	28	10	14	2
91KFA0216	92-PH-0079	2	44	5	0.5	0.1	1	10	15	0.5	12	12	10	10	2
91KFA0229	92-PH-0080	2	47	6	0.5	0.1	0.7	10	10	0.5	19	13	10	11	2
91KFA0240	92-PH-0081	2	16	18	2	0.1	0.7	10	17	0.5	33	39	10	12	2
91KFA0249	92-PH-0082	2	52	5	0.5	0.1	0.1	10	10	0.5	22	11	10	11	2
91KFA0260	92-PH-0083	2	40	6	0.5	0.1	0.1	10	13	0.5	16	12	10	11	2
91KFA0279	92-PH-0085	9	11	5	0.5	0.1	0.4	10	10	0.5	32	14	10	8	2
91KFA0286	92-PH-0086	2	45	7	0.5	0.1	0.2	10	15	0.5	20	26	10	14	2
91KFA0287	92-PH-0087	94	28	7	10	31.2	30.3	10	2	0.5	39	0.5	10	725	8
TCA 8010*	92-PH-0059	7	21	9	2	0.3	0.2	10	12	0.5	34	22	10	14	2
TCA 8010	92-PH-0066	10	19	9	0.5	0.1	0.5	10	11	0.5	39	22	10	14	2
TCA 8010	92-PH-0072	2	22	10	0.5	0.1	0.4	10	12	0.5	36	22	10	14	2
TCA 8010	92-PH-0078	25	20	9	0.5	0.1	0.7	10	12	0.5	34	21	10	12	2
TCA 8010	92-PH-0084	2	19	9	0.5	0.1	0.1	10	11	0.5	32	22	10	12	2

Manitouwadge 1991 Trace Element Data - duplicates and standards for < 63 µm fraction

Sample No.	Lab. No.	Pd ppb	Pt ppb	Au ppb
91KFA0008	92-PH-0057	2	1	4
91KFA0018	92-PH-0058	2	1	1
91KFA0040	92-PH-0060	2	1	3
91KFA0049	92-PH-0061	2	1	2
91KFA0056	92-PH-0062	2	1	3
91KFA0067	92-PH-0063	1	1	2
91KFA0081	92-PH-0064	2	1	4
91KFA0091	92-PH-0065	0.5	1	1
91KFA0096	92-PH-0067	1	1	3
91KFA0110	92-PH-0068	1	1	3
91KFA0122	92-PH-0069	2	1	2
91KFA0136	92-PH-0070	1	1	1
91KFA0140	92-PH-0071	0.5	1	2
91KFA0151	92-PH-0073	4	4	4
91KFA0166	92-PH-0074	4	3	2
91KFA0176	92-PH-0075	2	1	3
91KFA0182A	92-PH-0076	2	1	3
91KFA0194	92-PH-0077	2	1	4
91KFA0216	92-PH-0079	3	1	4
91KFA0229	92-PH-0080	1	1	2
91KFA0240	92-PH-0081	3	3	4
91KFA0249	92-PH-0082	3	1	2
91KFA0260	92-PH-0083	3	1	7
91KFA0279	92-PH-0085	3	1	4
91KFA0286	92-PH-0086	2	4	3
91KFA0287	92-PH-0087	10	14	435
TCA 8010*	92-PH-0059	1	1	154
TCA 8010	92-PH-0066	2	1	147
TCA 8010	92-PH-0072	4	1	194
TCA 8010	92-PH-0078	4	3	144
TCA 8010	92-PH-0084	3	3	157

**A (v) Pebble Lithology Data for the 5.6-16.0 mm Fraction
 of Till and Gravel Samples**

<i>Explanation</i>	
Pz carb %	Per cent Paleozoic carbonate clasts
Pz ss %	Per cent Paleozoic sandstone clasts
Prot %	Per cent Proterozoic metasedimentary clasts
Gran %	Per cent Precambrian granitic clasts
Msed %	Per cent Other Precambrian metasedimentary clasts
Mvol %	Per cent Precambrian metavolcanic clasts

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0001	till	1	49.13031	85.77113	9.93	0.00	8.51	9.22	20.57	51.77	100	141
91KFA0002	till	1	49.17479	85.68496	1.94	0.00	0.65	0.97	40.97	55.48	100	310
91KFA0003	till	1	49.16655	85.65665	3.31	0.00	0.00	3.68	0.37	92.65	100	272
91KFA0004	till	1	49.24594	85.54224	21.20	0.50	1.25	7.98	0.50	68.58	100	401
91KFA0005	till	1	49.27715	85.46502	71.16	0.00	0.93	13.26	0.23	14.42	100	430
91KFA0006	till	1	49.28121	85.43945	37.74	1.26	1.89	32.08	1.89	25.16	100	159
91KFA0007	till	1	49.28438	85.40773	65.78	1.52	3.04	14.83	1.52	13.31	100	263
91KFA0008	till	1	49.23903	85.42705	56.53	0.25	2.26	14.82	4.77	21.36	100	398
91KFA0009	till	1	49.12013	85.87553	51.54	0.77	13.85	16.15	3.85	13.85	100	130
91KFA0010	till	1	49.10167	85.89171	16.73	0.78	1.17	21.40	1.17	58.75	100	257
91KFA0011	till	1	49.11074	85.88089	57.39	1.41	3.52	20.42	1.06	16.20	100	284
91KFA0012	till	1	49.15247	85.94721	54.14	0.34	4.83	15.52	0.34	24.83	100	290
91KFA0013	till	1	49.12259	85.97032	14.34	0.35	27.27	26.22	4.90	26.92	100	286
91KFA0015	till	1	49.04963	85.99448	2.22	0.00	0.00	4.44	0.00	93.33	100	180
91KFA0016	till	1	49.13436	85.84094	65.22	1.34	5.69	12.37	1.67	13.71	100	299
91KFA0017	till	1	49.13133	85.84787	25.48	2.66	0.00	1.14	20.53	50.19	100	263
91KFA0018	till	1	49.14349	85.82771	58.85	0.00	3.54	20.35	2.21	15.04	100	226
91KFA0019	till	1	49.1346	85.79364	1.21	0.00	2.02	1.21	68.02	27.53	100	247
91KFA0020	till	1	49.13037	85.77661	20.39	0.00	0.00	26.21	0.97	52.43	100	103
91KFA0023	till	1	49.16681	85.73552	9.42	1.09	4.35	14.86	1.09	69.20	100	276
91KFA0024	till	1	49.1651	85.72775	15.55	1.26	5.04	19.75	3.78	54.62	100	238
91KFA0025	till	1	49.19388	85.7432	7.72	0.39	0.00	11.58	0.00	80.31	100	259
91KFA0026	till	1	49.2011	85.74494	15.59	6.84	1.14	0.00	1.14	75.29	100	263
91KFA0027	till	1	49.20058	85.80645	25.78	4.44	4.89	37.33	3.56	24.00	100	225
91KFA0028	till	1	49.1809	85.79115	50.55	0.36	0.00	13.09	0.00	36.00	100	275
91KFA0030	till	1	49.12855	85.72456	53.39	0.00	3.98	21.91	1.20	19.52	100	251
91KFA0031	till	1	49.12095	85.73724	19.50	0.71	9.57	23.76	3.19	43.26	100	282
91KFA0032	till	1	49.11916	85.73782	30.13	0.96	4.17	19.23	3.85	41.67	100	312
91KFA0033	till	1	49.08182	85.77945	1.19	0.00	0.00	0.00	0.00	98.81	100	253
91KFA0034	till	1	49.08773	85.77629	2.53	0.32	1.90	1.90	0.00	93.35	100	316
91KFA0035	till	1	49.0964	85.75484	1.67	0.00	1.26	1.26	0.00	95.82	100	239
91KFA0036	till	1	49.11367	85.81457	24.63	0.37	4.78	21.32	2.94	45.96	100	272
91KFA0037	till	1	49.07049	85.84052	50.34	0.00	2.35	11.07	0.67	35.57	100	298
91KFA0038	till	1	49.06494	85.84325	0.86	0.00	7.76	1.29	0.00	90.09	100	232
91KFA0039	till	1	49.06097	85.85155	0.00	0.00	0.00	0.71	0.00	99.29	100	281
91KFA0041	till	1	49.03317	85.86956	12.00	0.00	0.89	4.44	0.00	82.67	100	225
91KFA0042	till	1	49.19532	85.98021	5.56	0.40	0.00	5.56	0.40	88.10	100	252

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

109

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0043	till	1	49.19222	85.94569	3.75	0.00	0.00	6.48	1.02	88.74	100	293
91KFA0044	till	1	49.19646	85.91808	19.74	1.97	3.95	22.70	3.29	48.36	100	304
91KFA0045	till	1	49.18926	85.90828	22.14	0.00	0.37	4.43	0.00	73.06	100	271
91KFA0046	till	1	49.17017	85.91487	8.50	0.34	2.04	11.56	2.04	75.51	100	294
91KFA0047	till	1	49.18879	85.90623	0.00	0.00	2.75	0.00	0.39	96.86	100	255
91KFA0048	till	1	49.19514	85.91158	32.47	0.00	0.74	8.12	0.74	57.93	100	271
91KFA0049	till	1	49.20289	85.92239	48.00	0.36	1.45	17.09	0.00	33.09	100	275
91KFA0050	till	1	49.19318	85.9425	2.16	1.08	0.00	1.80	0.36	94.60	100	278
91KFA0051	till	1	49.20676	85.95224	56.29	1.75	0.35	20.98	1.05	19.58	100	286
91KFA0052	till	1	49.20943	85.99982	4.75	0.56	0.00	9.22	0.28	85.20	100	358
91KFA0053	till	1	49.21196	85.98083	22.95	1.64	1.23	18.44	2.05	53.69	100	244
91KFA0054	till	1	49.21648	85.9725	63.31	0.00	1.44	15.11	3.60	16.55	100	139
91KFA0056	till	1	49.1146	85.61488	64.96	0.00	0.00	18.25	0.00	16.79	100	137
91KFA0057	till	1	49.10269	85.5748	56.52	1.16	12.17	10.72	2.03	17.39	100	345
91KFA0058	till	1	49.12057	85.55209	55.61	2.04	6.63	18.88	1.02	15.82	100	196
91KFA0059	till	1	49.12997	85.52714	19.42	0.00	4.85	18.45	5.83	51.46	100	103
91KFA0060	till	1	49.1226	85.53448	12.61	0.00	21.85	13.45	14.29	37.82	100	238
91KFA0061	till	1	49.13875	85.49603	29.48	0.75	4.85	10.82	2.61	51.49	100	268
91KFA0062	till	1	49.13078	85.45103	23.82	2.35	11.18	17.94	7.94	36.76	100	340
91KFA0063	till	1	49.15108	85.56367	38.70	1.92	6.51	26.82	2.68	23.37	100	261
91KFA0067	till	1	49.08966	85.62798	29.18	1.78	37.01	19.57	3.20	9.25	100	281
91KFA0068	till	1	49.09593	85.63348	26.50	0.50	42.50	7.50	3.00	20.00	100	200
91KFA0069	till	1	49.13425	85.6412	13.97	0.37	13.24	13.24	5.88	53.31	100	272
91KFA0070	till	1	49.15166	85.63004	55.00	0.71	5.71	18.21	2.86	17.50	100	280
91KFA0071	till	1	48.77359	85.85567	9.42	0.72	3.62	9.42	2.17	74.64	100	276
91KFA0072	till	1	48.79181	85.85022	39.75	1.86	1.86	7.45	0.62	48.45	100	322
91KFA0075	till	1	49.0065	85.91091	57.67	0.47	5.12	17.21	4.19	15.35	100	215
91KFA0076	till	1	49.11714	85.93933	14.48	2.26	19.46	15.38	3.17	45.25	100	221
91KFA0077	till	1	49.11939	85.93969	26.50	0.50	42.50	7.50	3.00	20.00	100	200
91KFA0078	till	1	49.12145	85.93924	2.50	0.00	46.50	1.00	0.00	50.00	100	200
91KFA0079	till	1	49.12555	85.94477	1.92	0.00	40.23	3.07	2.30	52.49	100	261
91KFA0080GF	gravel	1	49.13951	85.95667	25.26	1.37	1.02	7.17	0.68	64.51	100	293
91KFA0081	till	1	49.13823	85.95368	24.84	0.63	0.63	9.43	0.00	64.47	100	318
91KFA0082	till	1	49.14647	85.94885	4.00	0.36	10.18	1.45	1.45	82.55	100	275
91KFA0083	till	1	49.14718	85.95857	13.97	0.37	13.24	13.24	5.88	53.31	100	272
91KFA0084GF	gravel	0	49.13758	85.96254	13.38	1.49	10.78	10.41	1.86	62.08	100	269
91KFA0085	till	1	49.14425	85.95356	56.47	0.72	0.00	10.07	2.16	30.58	100	278

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0086	till	1	49.11048	85.94906	52.32	0.99	3.31	17.22	2.32	23.84	100	302
91KFA0087	till	1	49.21415	85.58945	51.32	1.32	1.64	14.80	4.28	26.64	100	304
91KFA0088	till	1	49.22109	85.56906	29.89	3.45	2.30	17.82	0.57	45.98	100	174
91KFA0089	till	1	49.23004	85.55054	35.79	0.67	0.33	12.37	0.33	50.50	100	299
91KFA0090	till	1	49.22718	85.55241	47.35	0.31	1.56	21.18	2.18	27.41	100	321
91KFA0091	till	1	49.22612	85.55408	39.63	0.00	0.53	13.03	1.33	45.48	100	376
91KFA0092	till	1	49.23455	85.58791	61.87	3.01	2.01	13.71	2.01	17.39	100	299
91KFA0093	till	1	49.23847	85.57763	60.70	1.92	2.88	14.06	2.24	18.21	100	313
91KFA0094	till	1	49.24784	85.58615	55.05	2.44	1.74	18.82	1.05	20.91	100	287
91KFA0095	till	1	49.25406	85.58021	58.53	3.01	1.67	20.40	1.00	15.38	100	299
91KFA0097	till	1	49.25307	85.60937	33.20	0.83	0.83	7.47	0.83	56.85	100	241
91KFA0098	till	1	49.22548	85.61151	45.36	1.07	2.14	10.71	2.14	38.57	100	280
91KFA0099	till	1	49.23175	85.63263	6.12	0.34	0.00	1.36	0.00	92.18	100	294
91KFA0100	till	1	49.24352	85.71721	5.07	0.72	1.09	3.99	0.36	88.77	100	276
91KFA0102	till	1	49.23645	85.68882	17.14	0.41	2.86	8.57	1.63	69.39	100	245
91KFA0103	till	1	49.10956	85.67573	58.90	0.85	1.69	16.95	0.85	20.76	100	236
91KFA0105	till	1	49.03909	85.69675	45.00	0.00	2.33	1.00	40.00	11.67	100	300
91KFA0106	till	1	49.023	85.70634	39.36	2.66	1.06	12.23	3.19	41.49	100	188
91KFA0107	till	1	49.01562	85.69764	9.44	0.00	0.70	2.10	0.70	87.06	100	286
91KFA0111	till	1	48.92882	85.77267	41.85	2.64	0.44	7.49	0.00	47.58	100	227
91KFA0113	till	1	49.18008	85.65189	1.35	0.68	1.69	3.72	0.34	92.23	100	296
91KFA0114	till	1	49.19005	85.66576	68.12	1.45	5.80	24.64	0.00	0.00	100	69
91KFA0115	till	1	49.21389	85.51504	60.89	1.48	2.58	13.28	0.00	21.77	100	271
91KFA0116	till	1	49.21608	85.49368	51.06	1.52	3.34	10.64	1.82	31.61	100	329
91KFA0117	till	1	49.20937	85.49567	0.00	0.00	8.95	0.00	29.57	61.48	100	257
91KFA0118	till	1	49.20823	85.47813	58.73	3.17	2.38	13.49	0.79	21.43	100	252
91KFA0119	till	1	49.21972	85.46199	60.65	1.48	0.89	14.20	2.66	20.12	100	338
91KFA0120	till	1	48.81705	85.85577	63.37	1.98	0.00	11.88	0.00	22.77	100	101
91KFA0120A	till	0	48.81705	85.85577	41.94	0.00	1.61	11.61	0.32	44.52	100	310
91KFA0120B	till	0	48.81705	85.85577	39.40	0.33	2.98	8.28	0.33	48.68	100	302
91KFA0121	till	1	48.82225	85.84544	2.54	0.00	1.41	0.85	0.00	95.21	100	355
91KFA0122	till	1	48.82765	85.83646	55.69	1.18	1.96	13.33	0.39	27.45	100	255
91KFA0123	till	1	48.84693	85.81351	50.54	2.69	2.69	12.37	1.08	30.65	100	186
91KFA0124	till	1	48.85909	85.79687	51.35	1.69	2.36	13.85	0.00	30.74	100	296
91KFA0125	till	1	48.84029	85.81503	6.56	0.00	60.66	7.38	3.69	21.72	100	244
91KFA0126	till	1	48.83552	85.79771	38.41	1.04	14.19	7.96	9.00	29.41	100	289
91KFA0127	till	1	48.82655	85.79901	41.74	1.87	4.98	10.59	1.56	39.25	100	321

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0128	till	1	48.83394	85.78344	24.71	0.76	4.56	6.46	49.43	14.07	100	263
91KFA0128A	till	0	48.83394	85.78344	0.40	0.00	94.86	0.00	1.58	3.16	100	253
91KFA0129	till	1	48.83325	85.77773	26.02	1.22	8.94	13.01	9.35	41.46	100	246
91KFA0130	till	1	48.83276	85.77406	8.63	1.44	19.78	4.32	45.32	20.50	100	278
91KFA0134	till	1	49.11521	85.72217	16.41	1.15	0.38	4.96	0.00	77.10	100	262
91KFA0135	till	1	49.11502	85.68942	5.84	0.00	0.32	3.57	0.32	89.94	100	308
91KFA0136	till	1	49.11323	85.67083	65.13	1.64	1.97	17.11	1.32	12.83	100	304
91KFA0137	till	1	49.10285	85.61015	71.29	0.32	2.90	11.94	0.00	13.55	100	310
91KFA0138	till	1	49.13879	85.6829	72.69	0.00	0.84	10.92	0.42	15.13	100	238
91KFA0139	till	1	49.13528	85.69149	41.59	1.77	6.19	16.37	1.33	32.74	100	226
91KFA0140	till	1	49.13978	85.69179	65.82	1.90	1.27	15.19	1.27	14.56	100	158
91KFA0141	till	1	49.17023	85.67918	58.19	1.98	3.95	12.15	1.98	21.75	100	354
91KFA0142	till	1	49.1553	85.67176	69.82	1.35	0.90	15.32	0.00	12.61	100	222
91KFA0143	till	1	49.15159	85.66226	7.58	0.36	1.81	2.89	0.00	87.36	100	277
91KFA0144	till	1	49.20543	85.61276	9.68	0.36	1.43	10.39	0.00	78.14	100	279
91KFA0145	till	1	49.22527	85.63143	76.42	2.44	0.00	8.13	0.00	13.01	100	123
91KFA0146	till	1	49.043	85.89069	61.54	1.23	0.00	18.46	0.31	18.46	100	325
91KFA0147	till	1	49.05578	85.8722	72.30	0.68	2.03	16.89	1.35	6.76	100	148
91KFA0148	till	1	49.04011	85.87939	66.07	0.60	4.17	13.10	1.79	14.29	100	168
91KFA00148A	till	0	49.04011	85.87939	32.41	2.07	2.76	24.83	6.90	31.03	100	145
91KFA0150	till	1	49.02544	85.91624	56.00	0.00	3.00	12.33	1.33	27.33	100	300
91KFA0151	till	1	48.9819	85.90735	14.21	1.64	4.37	16.94	0.55	62.30	100	183
91KFA0153	till	1	48.9997	85.88714	10.96	0.66	2.33	8.97	1.00	76.08	100	301
91KFA0154	till	1	49.00778	85.87636	11.55	0.61	2.43	18.24	1.52	65.65	100	329
91KFA0155	till	1	49.01153	85.88236	57.93	1.38	0.69	9.66	2.76	27.59	100	145
91KFA0156	till	1	49.02429	85.8948	1.59	0.00	0.00	1.98	0.00	96.43	100	252
91KFA0157	till	1	49.07645	85.60335	16.01	1.81	4.53	20.54	2.11	54.98	100	331
91KFA0158	till	1	49.07504	85.61639	9.55	0.00	0.24	3.34	0.95	85.92	100	419
91KFA0159	till	1	49.05553	85.60284	67.01	0.69	0.00	15.12	2.06	15.12	100	291
91KFA0160	till	1	49.05777	85.56554	59.00	2.30	3.83	9.20	3.45	22.22	100	261
91KFA0161	till	1	49.05676	85.57037	53.18	0.75	0.00	7.49	0.75	37.83	100	267
91KFA0162	till	1	49.01282	85.56752	63.58	0.00	5.30	9.27	3.97	17.88	100	194.7
91KFA0163	till	1	49.01146	85.56722	55.00	0.33	2.67	9.67	3.00	29.33	100	197.3
91KFA0164	till	1	48.9845	85.53348	48.01	3.36	2.14	17.74	2.14	26.61	100	327
91KFA0168	till	1	48.98029	85.59237	5.31	0.00	2.42	2.90	0.00	89.37	100	207
91KFA0169	till	1	48.96438	85.61604	11.58	1.05	0.35	7.02	1.05	78.95	100	285
91KFA0170	till	1	48.95215	85.62731	63.67	0.00	1.67	11.67	5.00	18.00	100	198.3

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0171	till	1	48.94405	85.63122	14.64	1.07	2.14	10.00	1.07	71.07	100	280
91KFA0172	till	1	49.06218	85.75159	48.06	1.16	1.55	17.44	6.98	24.81	100	258
91KFA0173	till	1	49.05428	85.76958	42.16	4.88	2.44	14.63	3.48	32.40	100	287
91KFA0174	till	1	49.05474	85.77094	45.00	0.77	2.69	13.85	1.15	36.54	100	260
91KFA0175	till	1	49.03286	85.82935	42.76	0.99	1.32	10.20	2.30	42.43	100	304
91KFA0176	till	1	49.0673	85.72572	56.06	1.04	2.08	20.42	0.00	20.42	100	289
91KFA0177	till	1	49.06938	85.71061	44.07	0.91	3.34	13.07	1.82	36.78	100	329
91KFA0178	till	1	49.06945	85.71718	53.16	1.33	0.33	11.96	3.99	29.24	100	301
91KFA0179	till	1	49.14857	85.83135	67.50	1.25	0.94	17.81	0.31	12.19	100	320
91KFA0181	till	1	49.1556	85.84182	63.86	0.00	2.48	9.41	1.49	22.77	100	202
91KFA0183	till	1	49.15046	85.83166	70.57	0.63	1.90	11.71	2.22	12.97	100	316
91KFA0184	till	1	49.17611	85.87839	29.41	0.69	2.08	12.46	1.73	53.63	100	289
91KFA0185	till	1	49.17366	85.86691	41.04	0.65	1.63	11.07	19.54	26.06	100	307
91KFA0187	till	1	49.17144	85.85612	36.24	0.67	1.01	12.75	2.01	47.32	100	298
91KFA0188GF	gravel	0	49.17144	85.85612	54.13	0.99	3.30	17.82	1.32	22.44	100	303
91KFA0189	till	1	49.14664	85.79266	35.74	0.00	1.57	8.78	4.08	49.84	100	319
91KFA0190	till	1	49.15148	85.7909	21.29	0.00	2.81	7.63	12.05	56.22	100	249
91KFA0192	till	1	49.14796	85.78166	68.37	0.30	0.30	15.36	0.90	14.76	100	332
91KFA0193GF	gravel	0	49.14534	85.78927	61.16	0.87	0.00	16.23	50.16	21.45	100	345
91KFA0194	till	1	49.14556	85.79201	7.44	0.97	0.97	13.59	11.60	26.86	100	309
91KFA0195GF	gravel	0	49.1557	85.78078	49.84	0.31	0.31	10.03	11.60	27.90	100	319
91KFA0196	till	1	49.11099	85.9559	64.05	1.21	0.91	15.11	4.83	13.90	100	331
91KFA0197	till	1	49.07703	85.98167	13.06	1.63	3.67	17.14	2.86	61.63	100	245
91KFA0200	till	1	49.06414	86.05168	9.66	0.57	2.84	5.68	0.00	81.25	100	176
91KFA0201	till	1	49.06165	86.05481	8.22	0.00	3.42	6.16	0.00	82.19	100	146
91KFA0203	till	1	49.12745	86.06631	56.64	0.88	1.77	14.45	2.06	24.19	100	339
91KFA0205	till	1	49.13989	86.07458	9.60	0.00	61.26	10.26	1.66	17.22	100	302
91KFA0206	till	1	48.94347	85.63506	12.17	1.16	0.00	6.09	0.00	80.58	100	345
91KFA0207	till	1	48.93699	85.64233	4.20	0.00	14.89	7.25	0.00	73.66	100	262
91KFA0208	till	1	48.93414	85.64555	37.64	0.38	1.14	8.37	0.38	52.09	100	263
91KFA0210	till	1	48.92155	85.6691	56.87	1.37	3.02	8.52	0.55	29.67	100	364
91KFA0211	till	1	48.91251	85.68095	39.96	1.08	31.97	7.78	0.86	18.36	100	463
91KFA0212	till	1	48.90295	85.69006	15.30	1.58	11.87	12.66	2.64	55.94	100	379
91KFA0213	till	1	48.90008	85.69492	9.06	0.00	4.33	14.17	0.39	72.05	100	254
91KFA0214	till	1	48.89904	85.69836	51.02	1.02	7.14	6.12	2.04	32.65	100	192.9
91KFA0216	till	1	48.89442	85.71185	41.00	0.67	5.00	9.00	4.33	40.00	100	195
91KFA0217	till	1	48.87303	85.74608	12.71	0.00	12.71	11.86	2.54	60.17	100	118

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0219	till	1	48.84677	85.75559	62.93	0.00	5.17	12.93	3.45	15.52	100	194.8
91KFA0221	till	1	49.25965	85.98135	2.78	0.56	0.00	4.17	0.28	92.22	100	360
91KFA0222	till	1	49.27034	86.02169	19.54	2.28	4.23	22.48	1.95	49.51	100	307
91KFA0223	till	1	49.26395	86.0647	6.30	9.26	5.19	0.00	3.33	75.93	100	270
91KFA0224GF	gravel	0	49.24894	85.89288	60.61	0.67	1.35	15.15	3.70	18.52	100	297
91KFA0225	till	1	49.24973	85.88153	25.79	2.20	3.77	25.16	2.83	40.25	100	318
91KFA0226	till	1	49.25906	85.86964	43.32	0.33	0.00	12.70	0.65	43.00	100	307
91KFA0227	till	1	49.26049	85.86026	54.05	0.58	2.60	10.40	0.29	32.08	100	346
91KFA0228	till	1	49.26884	85.84068	11.31	0.71	0.71	6.36	0.35	80.57	100	283
91KFA0229	till	1	49.28978	85.76841	53.91	0.00	1.74	11.30	1.74	31.30	100	230
91KFA0230GF	gravel	0	49.29287	85.76311	41.90	1.59	1.27	11.75	1.27	42.22	100	315
91KFA0232	till	1	49.3064	85.70966	53.19	0.71	0.71	19.50	1.77	24.11	100	282
91KFA0233	till	1	49.1352	86.019	19.40	1.00	2.34	15.72	0.33	61.20	100	299
91KFA0234	till	1	49.29176	85.95113	52.45	0.00	2.10	22.38	2.45	20.63	100	286
91KFA0235	till	1	49.30089	85.93663	9.60	0.00	61.26	10.26	1.66	17.22	100	302
91KFA0236GF	gravel	1	49.30348	85.93492	49.49	2.02	2.69	19.19	1.68	24.92	100	297
91KFA0239	till	1	49.42524	86.04288	10.10	1.63	0.65	4.23	0.98	82.41	100	307
91KFA0240	till	1	49.40226	86.03919	40.56	0.93	4.33	23.53	3.41	27.24	100	323
91KFA0241	till	1	49.38319	86.08228	66.67	0.33	3.33	12.33	4.33	13.00	100	196.7
91KFA0242	till	1	49.39018	86.10226	52.87	2.87	3.18	17.52	3.18	20.38	100	314
91KFA0243	till	1	49.40783	86.12772	28.48	0.65	4.53	13.92	0.97	51.46	100	309
91KFA0244	till	1	49.42664	86.16572	42.31	2.56	1.92	16.67	2.24	34.29	100	312
91KFA0245	till	1	49.41908	86.20377	46.62	1.88	1.88	15.79	4.14	29.70	100	266
91KFA0246	till	1	49.39895	86.27466	24.48	2.09	5.37	34.33	6.87	26.87	100	335
91KFA0247	till	1	49.40056	86.35016	42.81	0.98	3.59	27.45	3.92	21.24	100	306
91KFA0248	till	1	49.38486	86.42435	48.26	1.39	3.47	15.97	4.51	26.39	100	288
91KFA0252	till	1	49.2416	85.66698	26.69	0.36	0.00	7.47	0.00	65.48	100	281
91KFA0253	till	1	49.25051	85.65959	20.47	0.34	0.00	8.72	2.01	68.46	100	298
91KFA0255	till	1	49.2738	85.65044	55.99	0.70	1.06	16.90	2.46	22.89	100	284
91KFA0257	till	1	49.29132	85.64872	50.18	1.09	2.91	20.00	2.18	23.64	100	275
91KFA0258	till	1	49.31057	85.64111	56.10	0.70	2.79	15.33	3.14	21.95	100	287
91KFA0259	till	1	49.30416	85.66226	72.42	0.84	1.11	10.58	2.23	12.81	100	359
91KFA0260	till	1	49.31275	85.67373	65.59	1.47	0.88	16.18	2.06	13.82	100	340
91KFA0261	till	1	49.32315	85.8028	35.92	20.07	7.04	0.00	4.93	32.04	100	284
91KFA0262	till	1	49.3539	85.79242	66.11	2.78	3.33	10.56	1.11	16.11	100	180
91KFA0263	till	1	49.29209	85.48615	66.78	1.34	2.01	12.42	1.34	16.11	100	298
91KFA0264	till	1	49.29605	85.48643	66.83	1.51	2.51	12.56	0.00	16.58	100	199

Manitouwadge 1991 Pebble Counts - 5.6 - 16 mm fraction

114

Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count
91KFA0265	till	1	49.30852	85.47684	65.32	1.01	3.70	13.80	1.01	15.15	100	297
91KFA0266	till	1	49.32868	85.45695	63.24	0.00	0.00	12.25	2.77	21.74	100	253
91KFA0267	till	1	49.35986	85.38271	56.25	2.78	3.13	15.97	1.39	20.49	100	288
91KFA0268	till	1	49.3698	85.41846	74.11	0.97	1.94	12.30	1.29	9.39	100	309
91KFA0269	till	1	49.38272	85.48997	67.66	2.64	0.99	16.17	0.33	12.21	100	303
91KFA0270	till	1	49.38472	85.52574	63.49	1.24	0.41	14.94	3.32	16.60	100	241
91KFA0271	till	1	49.37641	85.54459	80.83	1.39	1.94	7.22	2.22	6.39	100	360
91KFA0272	till	1	49.32711	85.52299	65.37	0.90	3.28	16.72	1.79	11.94	100	335
91KFA0273	till	1	48.75238	85.84805	7.18	0.00	4.97	4.97	2.21	80.66	100	181
91KFA0274	till	1	48.75589	85.83947	2.60	0.00	1.04	1.56	23.96	70.83	100	192
91KFA0275	till	1	48.75587	85.83757	34.97	0.58	2.89	10.98	2.60	47.98	100	346
91KFA0276	till	1	48.75808	85.83371	0.78	0.78	10.89	0.78	0.39	86.38	100	257
91KFA0277	till	1	48.75842	85.82336	43.23	0.65	2.26	11.61	1.94	40.32	100	310
91KFA0278	till	1	48.75755	85.82623	23.59	0.27	2.95	5.36	4.02	63.81	100	373
91KFA0279	till	1	48.76933	85.79017	5.73	0.36	6.81	6.45	9.68	70.97	100	279
91KFA0280GF	gravel	0	48.77392	85.78257	33.63	0.60	9.31	11.41	3.30	41.74	100	333
91KFA0281	till	1	48.78441	85.77007	29.30	0.32	7.32	7.64	1.91	53.50	100	314
91KFA0282	till	1	48.78617	85.76689	52.00	0.00	5.67	6.33	5.00	32.00	101	300
91KFA0283	till	1	48.81199	85.74106	1.91	0.00	2.87	1.59	1.27	92.36	100	314
Sample No.	Sed. Type	Plot	Lat. deg	Long. deg	Pz. Carb. No. %	Pz. Sdst No. %	Prec. Mvcc No. %	Prot. Mtsdm No. %	Other Prec. Mtsdm No. %	Prec. Granit. No. %	Total No. %	Total Count

APPENDIX B

- B (i) Summary Statistics for Geochemical and Pebble Count Data
 for Representative Till and Gravel Samples**
- B (ii) Scattergrams of First Run and Blind Duplicate Analytical Data
 for Till Samples**
- B (iii) Correlation Matrix for Geochemical and Pebble Count Data
 for Representative Till and Gravel Samples**

**B (i) Summary statistics for geochemical and pebble count data
for representative till and gravel samples**

Explanation

Pz carb %	Per cent Paleozoic carbonate clasts
Pz ss %	Per cent Paleozoic sandstone clasts
Prot %	Per cent Proterozoic metasedimentary clasts
Gran %	Per cent Precambrian granitic clasts
Msed %	Per cent Other Precambrian metasedimentary clasts
Mvol %	Per cent Precambrian metavolcanic clasts
Std. Dev.	Standard deviation
Std. Error	Standard error
Coef. Var.	Coefficient of variance
Sum of Sqr.	Sum of squares
# <10th %	Number of samples with data values less than the 10th percent

Summary Statistics for 1991 Samples

	Pz carb %	Pz ss%	Prot %	Gran %	Msed %	Mvol %
Mean	34.834	1.081	11.935	43.232	3.59	5.327
Std. Dev.	23.08	1.673	6.828	26.593	8.438	11.248
Std. Error	1.515	0.11	0.448	1.746	0.554	0.738
Variance	532.671	2.799	46.62	707.174	71.194	126.511
Coef. Var.	66.256	154.716	57.209	61.512	235.014	211.128
Count	232	232	232	232	232	232
Minimum	0	0	0	0	0	0
Maximum	80.83	20.07	37.33	99.29	68.02	94.86
Range	80.83	20.07	37.33	99.29	68.02	94.86
Sum	8081.566	250.867	2768.915	10029.77	832.942	1235.965
Sum of Sqr.	404563.1	917.804	43816.071	596961.6	19436.24	35808.54
Mode	0	0	0	.	0	0
# < 10th %	23	0	23	23	0	0
10th %	3.768	0	1.869	14.381	0	0
25th %	12.085	0.312	7.471	20.565	0.392	0.934
50th %	36.94	0.725	12.055	36.65	1.569	2.2
75th %	56.025	1.444	16.205	63.055	2.899	4.332
90th %	65.335	2.286	20.365	86.584	5.199	10.977
95th %	68.074	2.778	22.678	92.347	14.066	21.643
96th %	69.985	3.01	23.954	93.334	20.539	33.079
97th %	71.23	3.277	25.727	94.48	26.989	41.456
98th %	72.403	4.305	26.736	95.735	40.834	45.94
99th %	74.526	7.279	32.485	97.211	49.561	61.26

	Al <2 μ m	Fe <2 μ m	Mn <2 μ m	Mg <2 μ m	Ca <2 μ m	Na <2 μ m	K <2 μ m	Sc <2 μ m
Mean	3.535	4.506	914.604	2.115	4.443	0.801	0.473	8.361
Std. Dev.	1.355	1.519	448.671	0.773	3.715	0.559	0.319	4.96
Std. Error	0.081	0.091	26.813	0.046	0.222	0.033	0.019	0.296
Variance	1.836	2.307	201305.32	0.597	13.802	0.312	0.102	24.597
Coef. Var.	38.332	33.708	49.056	36.522	83.611	69.714	67.372	59.32
Count	280	280	280	280	280	280	280	280
Minimum	0.84	1.31	112	0.24	0.08	0.19	0.08	2
Maximum	7.65	10	2725	7.33	10	7.39	3.3	29
Range	6.81	8.69	2613	7.09	9.92	7.2	3.22	27
Sum	989.72	1261.62	256089	592.29	1244.12	224.32	132.45	2341
Sum of Sqr.	4010.562	6328.167	290384099	1419.405	9378.639	266.741	90.99	26435
Mode	2.63	2.85	629	2.3	10	0.63	0.36	6
# < 10th %	28	28	28	25	28	28	28	0
10th %	2.085	2.925	482	1.07	0.34	0.365	0.255	2
25th %	2.51	3.405	587.5	1.645	0.665	0.505	0.32	6
50th %	3.235	4.205	780.5	2.21	3.58	0.69	0.41	7
75th %	4.335	5.34	1157.5	2.495	8.2	0.975	0.53	10
90th %	5.54	6.525	1594	2.875	10	1.285	0.71	14.5
95th %	6.24	7.065	1865.5	3.23	10	1.485	0.89	19
96th %	6.318	7.571	1934.7	3.373	10	1.6	0.93	20
97th %	6.485	7.994	1981.5	3.6	10	1.858	1.122	21
98th %	6.739	8.437	2058.6	3.699	10	2.183	1.369	23.9
99th %	7.309	9.805	2391.5	4.075	10	2.29	2.128	27

Summary Statistics for 1991 Samples

	V <2 μm	Cr <2 μm	Co <2 μm	Ni <2 μm	Cu <2 μm	Zn <2 μm	As <2 μm	Sr <2 μm
Mean	69.436	86.161	29.3	68.239	130.636	167.168	6.625	44.279
Std. Dev.	31.804	40.522	18.087	39.75	413.892	523.962	10.337	21.789
Std. Error	1.901	2.422	1.081	2.376	24.735	31.313	0.618	1.302
Variance	1011.516	1642.035	327.143	1580.082	171306.5	274536.2	106.852	474.754
Coef. Var.	45.804	47.031	61.731	58.251	316.829	313.435	156.029	49.209
Count	280	280	280	280	280	280	280	280
Minimum	22	22	5	9	12	32	2	9
Maximum	374	347	126	340	6576	7563	61	105
Range	352	325	121	331	6564	7531	59	96
Sum	19442	24125	8204	19107	36578	46807	1855	12398
Sum of Sqr.	1632182	2536755	331650	1744691	52572910	84420239	42101	681422
Mode	•	57	21	55	63	74	2	38
# < 10th %	25	25	25	24	27	27	0	26
10th %	44	51	14	38	35	67	2	17
25th %	51	60.5	17.5	47	44	77.5	2	27.5
50th %	62	79	24	58	66	93	2	40.5
75th %	79.5	98.5	35	78.5	107	121	5	60
90th %	97	128	49.5	102	219	181	19.5	74
95th %	116	148.5	69	138.5	327.5	269	29	82.5
96th %	118.6	155.3	72.6	155.3	349.2	368.1	34.3	84.6
97th %	129.2	160.1	79.1	175.2	419.2	572.3	40.2	86.2
98th %	159.3	233.8	81.9	206	596.3	842.2	42.9	90.9
99th %	187.8	268.8	98.4	244.8	1174.5	1620	53.2	99.4

	Y <2 μm	Mo <2 μm	Ag <2 μm	Cd <2 μm	Sn <2 μm	Sb <2 μm	Te <2 μm	Ba <2 μm
Mean	21.782	2.35	0.497	0.523	10.607	11.304	5	131.589
Std. Dev.	19.201	2.415	3.102	2.2	6.496	7.25	0	78.238
Std. Error	1.148	0.144	0.185	0.131	0.388	0.433	0	4.676
Variance	368.694	5.834	9.624	4.841	42.204	52.563	0	6121.153
Coef. Var.	88.152	102.782	624.013	420.823	61.246	64.14	0	59.456
Count	280	280	280	280	280	280	280	280
Minimum	3	0.5	0.1	0.1	10	2	5	36
Maximum	142	13	50	34.6	105	38	5	788
Range	139	12.5	49.9	34.5	95	36	0	752
Sum	6099	658	139.2	146.4	2970	3165	1400	36845
Sum of Sqr.	235715	3174	2754.26	1427.28	43278	50441	7000	6556209
Mode	10	0.5	0.1	0.1	10	2	5	•
# < 10th %	24	0	0	0	0	0	0	27
10th %	9	0.5	0.1	0.1	10	2	5	74
25th %	11	0.5	0.1	0.1	10	5.5	5	91
50th %	14.5	1	0.1	0.1	10	11	5	112
75th %	26	4	0.3	0.5	10	16	5	149.5
90th %	42.5	6	0.5	1.05	10	20	5	211
95th %	60.5	7	0.8	1.4	10	23	5	246.5
96th %	63.6	8	1.03	1.5	10	24.3	5	262
97th %	77.3	8	1.11	1.8	10	25	5	266.1
98th %	93.5	9	1.4	2	10	29.8	5	292.9
99th %	107	10	7.4	3.02	33.1	32.1	5	511.5

Summary Statistics for 1991 Samples

	La <2 μm	W <2 μm	Pb <2 μm	Bi <2 μm
Mean	51.754	10	44.793	2.025
Std. Dev.	43.493	0	184.601	0.418
Std. Error	2.599	0	11.032	0.025
Variance	1891.627	0	34077.563	0.175
Coef. Var.	84.038	0	412.122	20.658
Count	280	280	280	280
Minimum	8	10	1	2
Maximum	350	10	2961	9
Range	342	0	2960	7
Sum	14491	2800	12542	567
Sum of Sqr.	1277725	28000	10069432	1197
Mode	.	10	28	2
# < 10th %	28	0	20	0
10th %	22.5	10	17	2
25th %	27	10	22	2
50th %	37	10	27	2
75th %	62	10	32	2
90th %	92	10	40.5	2
95th %	135.5	10	54	2
96th %	154.9	10	59.5	2
97th %	174.3	10	73.3	2
98th %	182.5	10	109.7	2
99th %	244.5	10	475.2	2

	Al <63 μm	Fe <63 μm	Mn <63 μm	Mg <63 μm	Ca <63 μm	Na <63 μm	K <63 μm	Sc <63 μm
Mean	0.78	1.37	246.932	1.969	5.805	0.052	0.127	2.1
Std. Dev.	0.442	0.85	102.352	1.264	4.156	0.014	0.122	0.768
Std. Error	0.026	0.051	6.106	0.075	0.248	0.001	0.007	0.046
Variance	0.195	0.722	10475.942	1.598	17.268	1.93E-04	0.015	0.59
Coef. Var.	56.617	62.056	41.449	64.209	71.586	26.541	96.088	36.584
Count	281	281	281	281	281	281	281	281
Minimum	0.25	0.56	43	0.08	0.14	0.03	0.04	2
Maximum	2.83	10	829	4.41	10	0.13	1.3	9
Range	2.58	9.44	786	4.33	9.86	0.1	1.26	7
Sum	219.15	384.85	69388	553.28	1631.19	14.71	35.72	590
Sum of Sqr.	225.504	729.331	20067408	1536.924	14304.14	0.824	8.718	1404
Mode	.	.	177	0.31	10	0.05	0.07	2
# < 10th %	23	24	28	26	28	17	28	0
10th %	0.35	0.79	154.6	0.25	0.396	0.04	0.06	2
25th %	0.45	0.897	182.75	0.447	0.577	0.04	0.07	2
50th %	0.64	1.12	224	2.45	7.81	0.05	0.1	2
75th %	1.02	1.6	286.5	3.07	10	0.06	0.13	2
90th %	1.378	2.16	371	3.324	10	0.07	0.21	2
95th %	1.62	2.733	426.15	3.556	10	0.08	0.27	2
96th %	1.73	2.941	440.78	3.61	10	0.08	0.303	2
97th %	1.846	3.158	449.14	3.681	10	0.08	0.38	2
98th %	2.094	3.729	481.16	3.728	10	0.08	0.426	2
99th %	2.287	4.476	711.23	3.966	10	0.09	0.588	7.69

Summary Statistics for 1991 Samples

	V <63 µm	Cr <63 µm	Co <63 µm	Ni <63 µm	Cu <63 µm	Zn <63 µm	As <63 µm	Sr <63 µm
Mean	24.235	28.964	4.53	19.356	51.036	38.986	3.676	36.854
Std. Dev.	12.56	34.222	5.49	16.574	420.736	163.467	3.864	19.159
Std. Error	0.749	2.042	0.327	0.989	25.099	9.752	0.231	1.143
Variance	157.766	1171.163	30.136	274.709	177018.8	26721.55	14.934	367.054
Coef. Var.	51.828	118.153	121.177	85.629	824.397	419.3	105.122	51.985
Count	281	281	281	281	281	281	281	281
Minimum	12	8	0.5	4	3	6	2	6
Maximum	120	293	33	108	6860	2589	30	165
Range	108	285	32.5	104	6857	2583	28	159
Sum	6810	8139	1273	5439	14341	10955	1033	10356
Sum of Sqr.	209214	563667	14205	182195	50297175	7909123	7979	484436
Mode	•	12	0.5	•	10	14	2	•
# < 10th %	20	22	0	21	20	23	0	18
10th %	15	11	0.5	8	6	11	2	12
25th %	17	13	0.5	10	8	14	2	17
50th %	21	21	2	14	12	19	2	40
75th %	27	31	7	22	19	28	2	51
90th %	37	45.4	11.4	35.4	36	43.4	8	57.4
95th %	44.45	77.45	16	44.9	56.35	67.9	11	62
96th %	47.26	98.82	17	52.08	67.42	82.6	11.26	62.26
97th %	54	117.07	18.07	78.21	92.42	101.05	13.07	64.14
98th %	61.64	137.8	19	90.8	154.08	153.4	14.88	67.88
99th %	86.04	209.56	23.69	97.38	491.85	501.16	23.07	71

	Y <63 µm	Mo <63 µm	Ag <63 µm	Cd <63 µm	Sn <63 µm	Sb <63 µm	Te <63 µm	Ba <63 µm
Mean	7.423	7.867	0.338	0.436	10.797	14.667	5	35.447
Std. Dev.	3.159	5.838	3.002	1.232	4.91	12.16	0	28.479
Std. Error	0.188	0.348	0.179	0.073	0.293	0.724	0	1.696
Variance	9.981	34.078	9.013	1.517	24.105	147.867	0	811.038
Coef. Var.	42.557	74.208	887.09	282.735	45.472	82.91	0	80.342
Count	281	281	281	281	281	282	282	282
Minimum	2	0.5	0.1	0.1	10	2	5	9
Maximum	27	40	50	19.4	58	50	5	298
Range	25	39.5	49.9	19.3	48	48	0	289
Sum	2086	2210.5	95.1	122.4	3034	4136	1410	9996
Sum of Sqr.	18280	26930.75	2555.91	478	39508	102212	7050	582228
Mode	6	0.5	0.1	0.1	10	2	5	24
# < 10th %	10	0	0	0	0	0	0	21
10th %	5	0.5	0.1	0.1	10	2	5	16
25th %	6	3	0.1	0.1	10	6	5	21
50th %	6	8	0.1	0.1	10	11	5	28
75th %	8	12	0.1	0.6	10	17	5	39
90th %	11.4	14	0.2	0.9	10	36	5	57.3
95th %	13	16.45	0.3	1.1	10	38	5	73.4
96th %	14	17	0.326	1.2	10	38	5	80.88
97th %	15	20	0.407	1.3	20	38	5	97.04
98th %	16.76	20.88	0.776	1.576	30.52	39	5	107.74
99th %	21.38	23.69	1.721	3.249	36.38	41.36	5	162.36

Summary Statistics for 1991 Samples

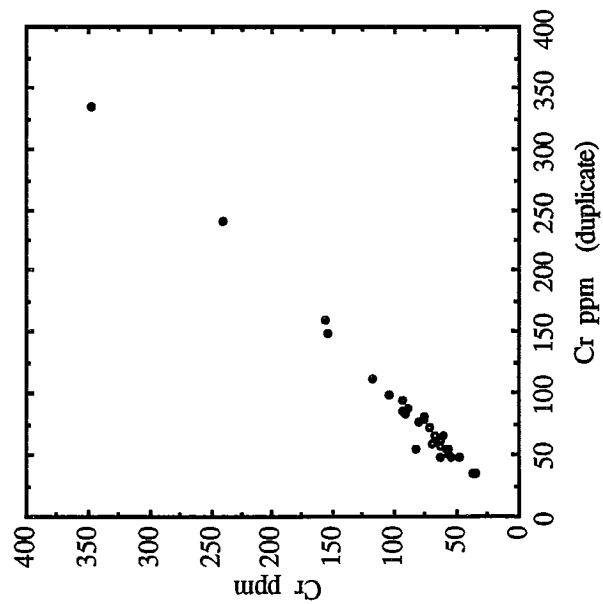
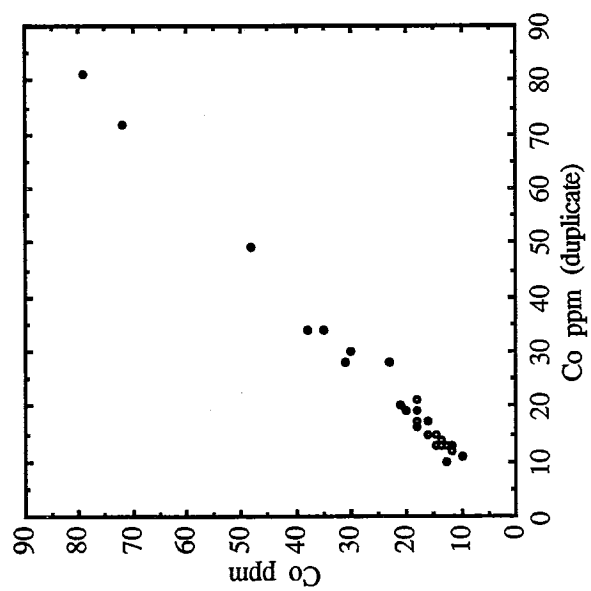
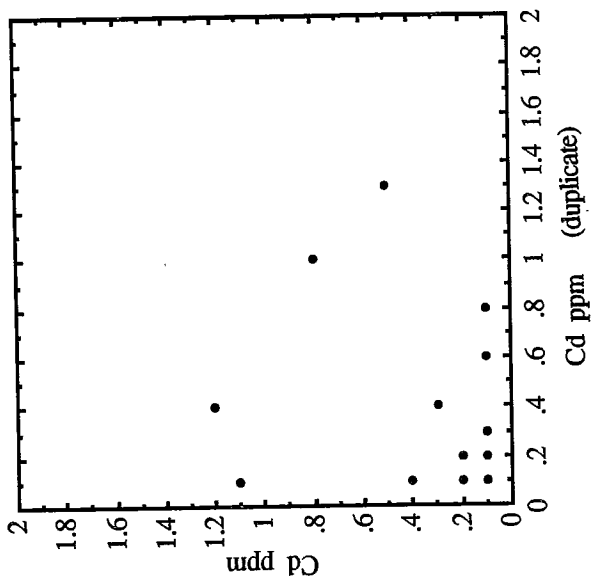
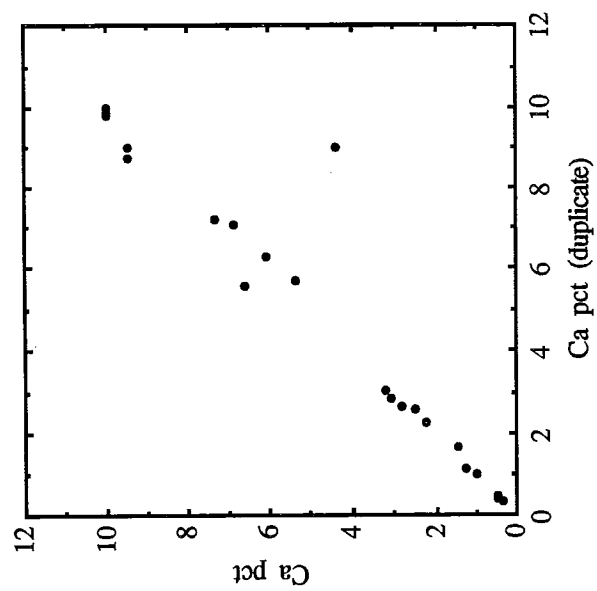
	La <63 μm	W <63 μm	Pb <63 μm	Bi <63 μm	Pd <63 μm	Pt <63 μm	Au <63 μm
Mean	20.574	10.035	25.078	2.599	1.892	1.585	3.748
Std. Dev.	10.293	0.595	78.52	1.296	1.161	1.384	7.864
Std. Error	0.613	0.035	4.676	0.077	0.069	0.082	0.468
Varianace	105.939	0.355	6165.339	1.679	1.347	1.916	61.84
Coef. Var.	50.026	5.934	313.102	49.846	61.343	87.33	209.802
Count	282	282	282	282	282	282	282
Minimum	5	10	6	2	0.5	1	0.5
Maximum	66	20	1311	9	7	8	123
Range	61	10	1305	7	6.5	7	122.5
Sum	5802	2830	7072	733	533.5	447	1057
Sum of Sqr.	149142	28500	1909812	2377	1387.75	1247	21339
Mode	13	10	•	2	2	1	2
# < 10th %	17	0	22	0	0	0	0
10th %	12	10	10	2	0.5	1	0.5
25th %	14	10	16	2	1	1	2
50th %	17	10	19	2	2	1	2
75th %	24	10	22	2	2	1	4
90th %	36	10	26	5	3	4	7
95th %	42.4	10	29.8	5	4	5	10
96th %	44	10	33	5	4	5	11
97th %	47.08	10	35.08	6	4.04	5.04	12
98th %	52.86	10	49.44	6	5	6	16.44
99th %	60.08	10	124.96	6	6	6.68	22.08

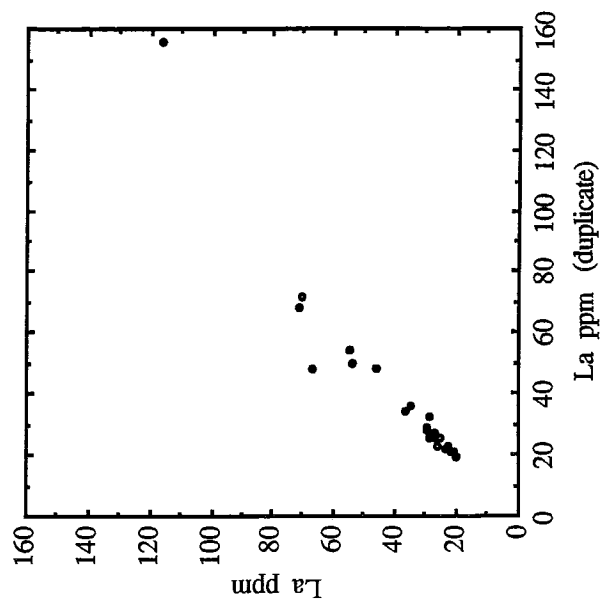
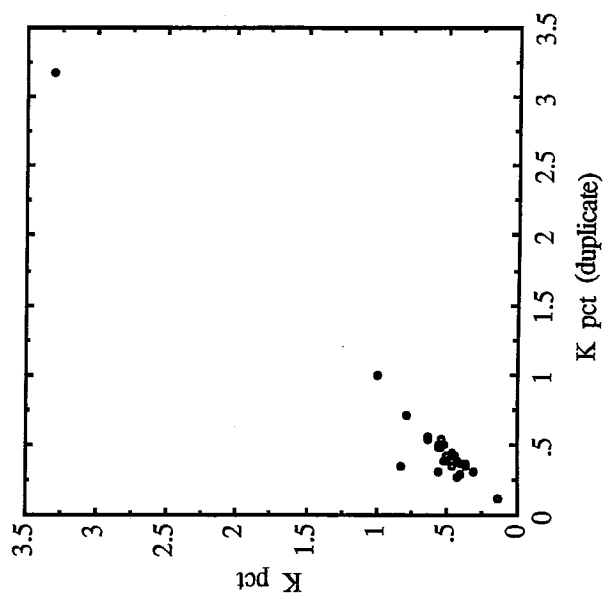
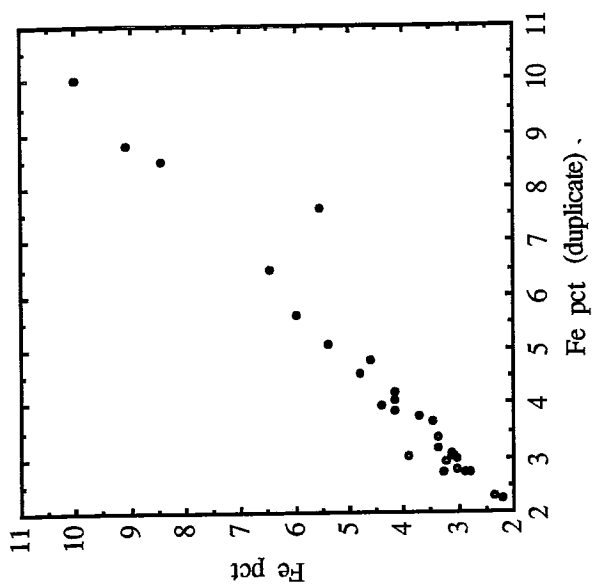
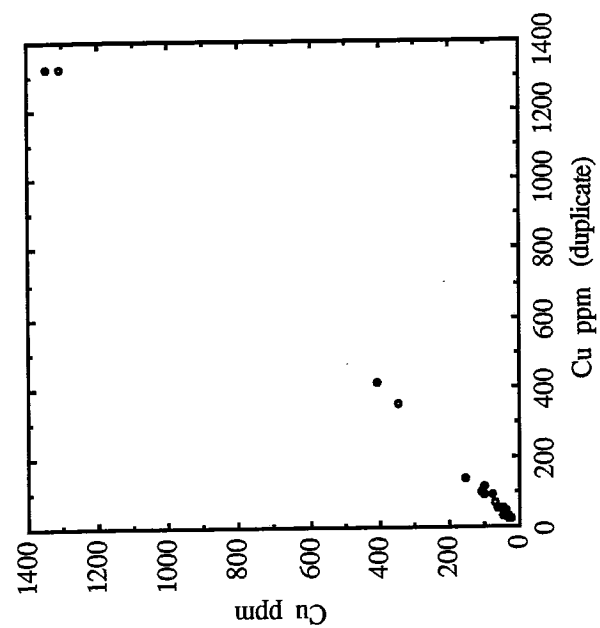
B (ii) Scattergrams of First Run and Blind Duplicate Analytical Data for the $<2\ \mu\text{m}$ and $<63\ \mu\text{m}$ Fractions of Till Samples

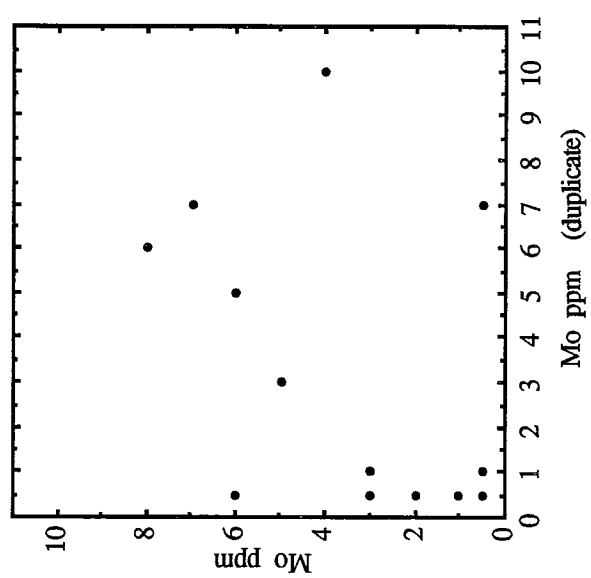
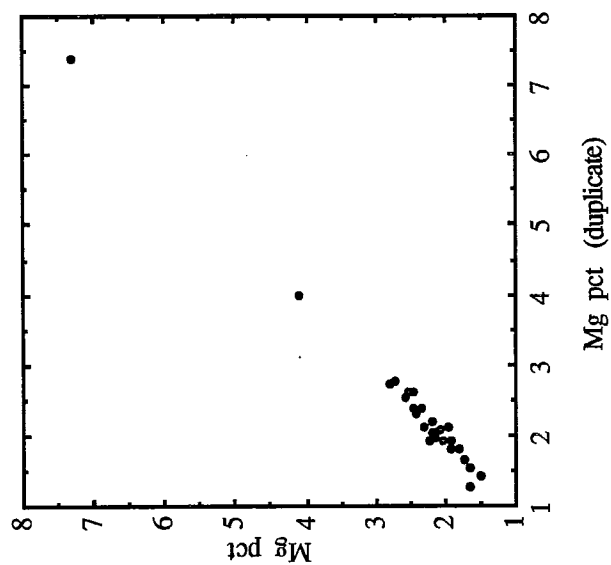
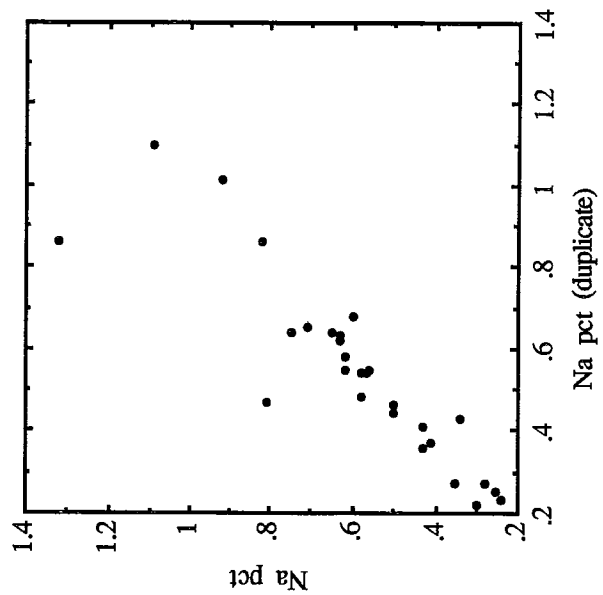
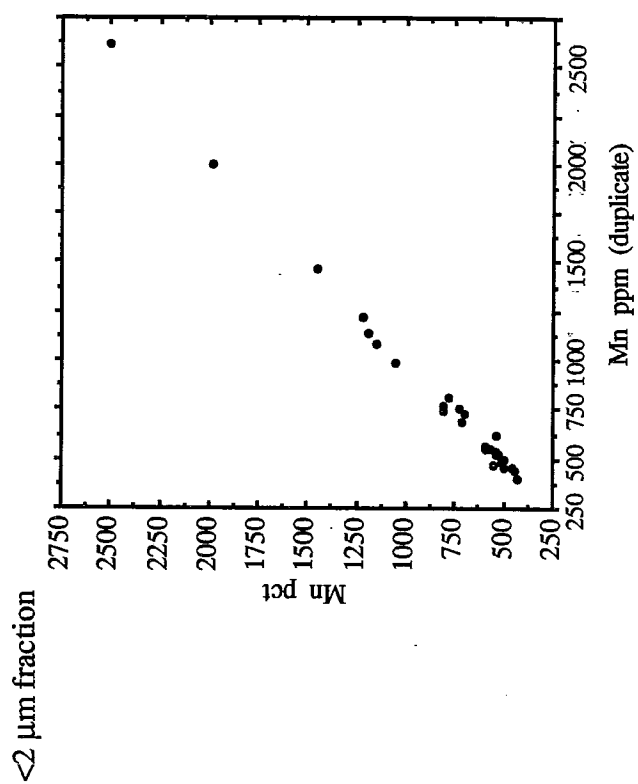
For explanation of symbols and methodology, see Appendix A

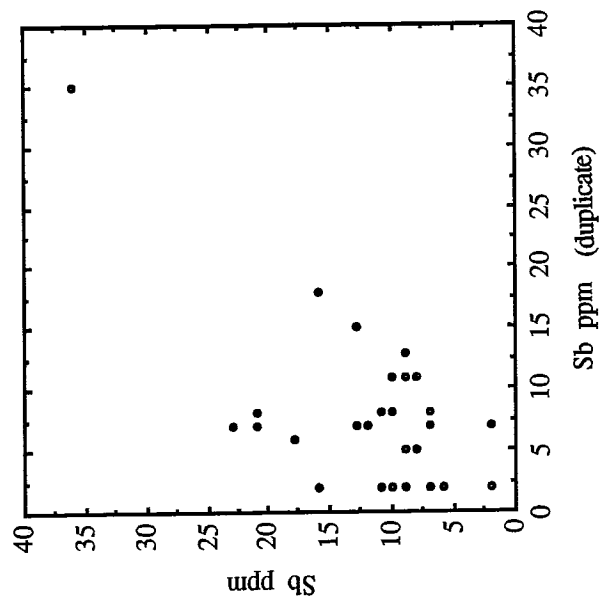
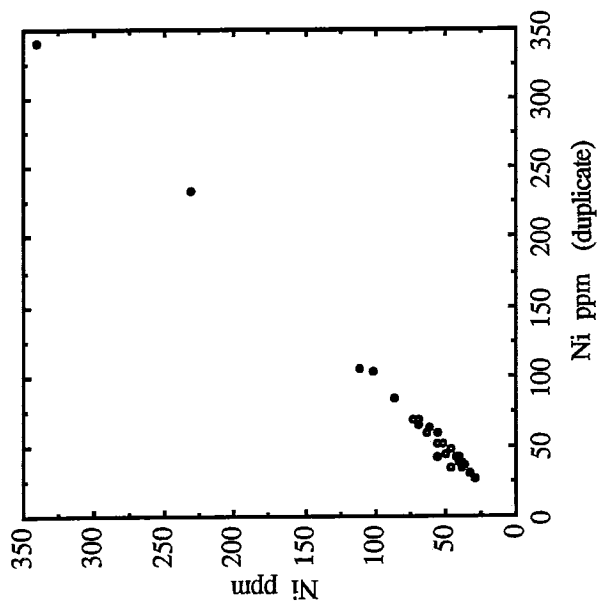
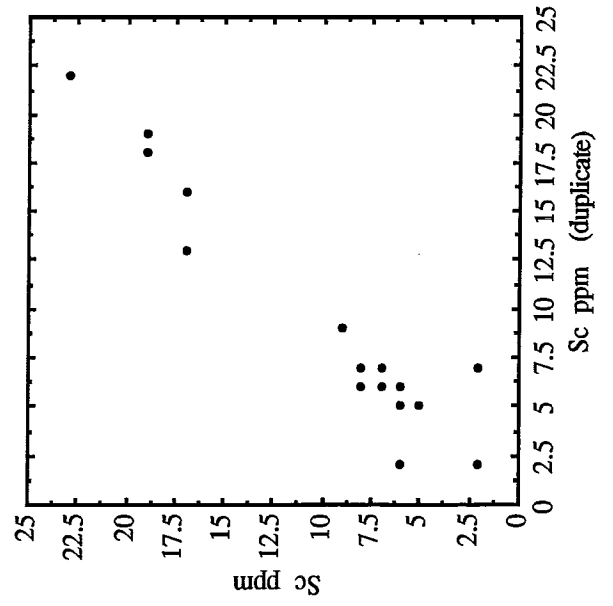
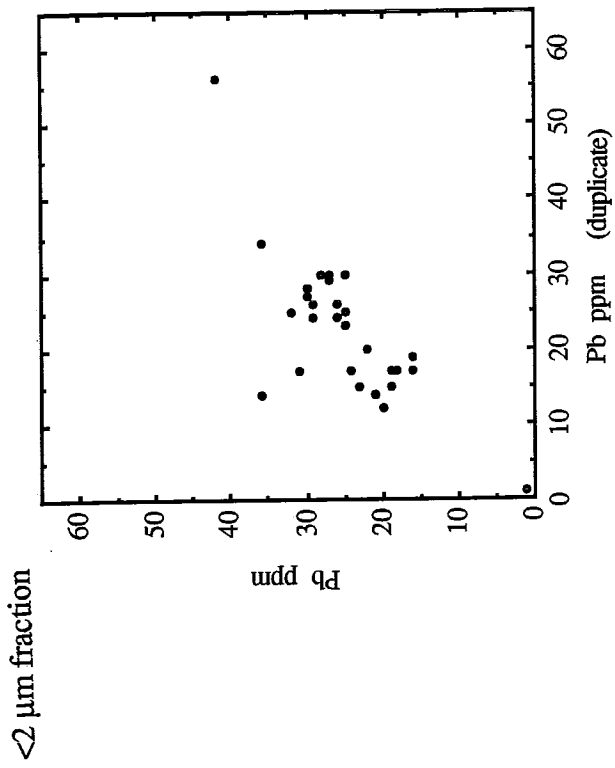
$<2\ \mu\text{m}$ fraction $n = 29$ samples

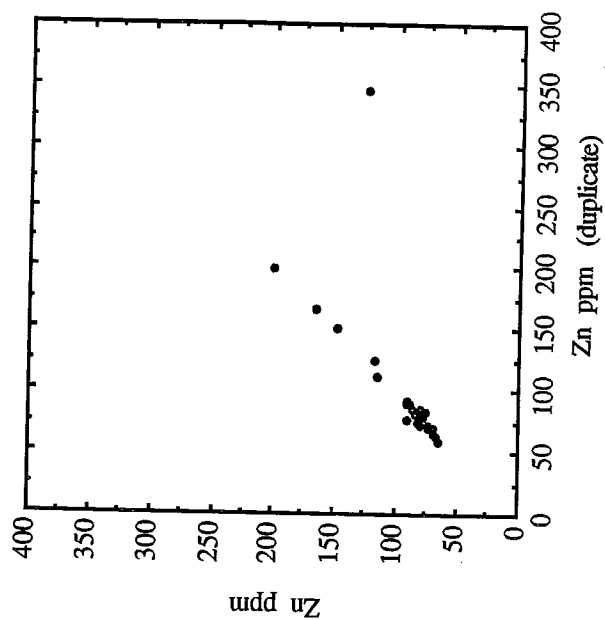
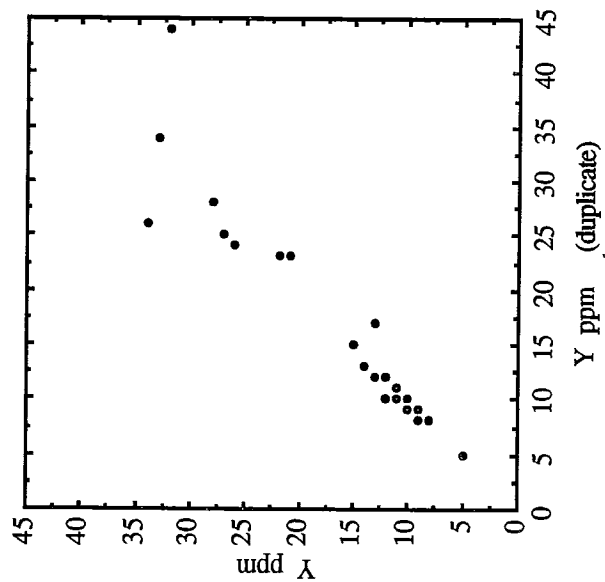
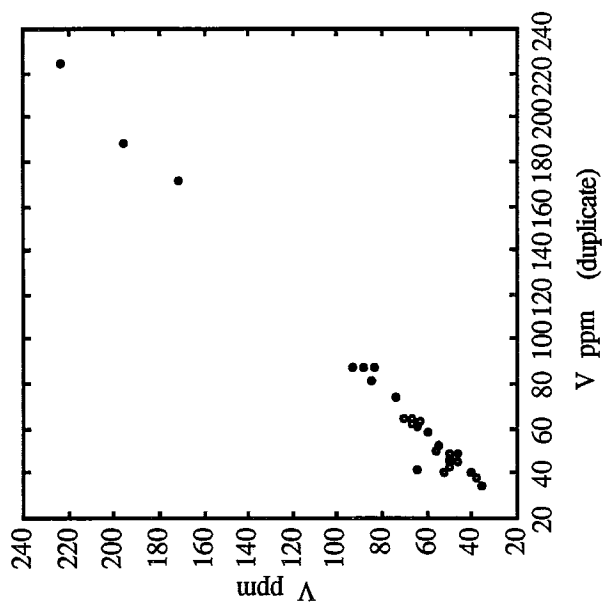
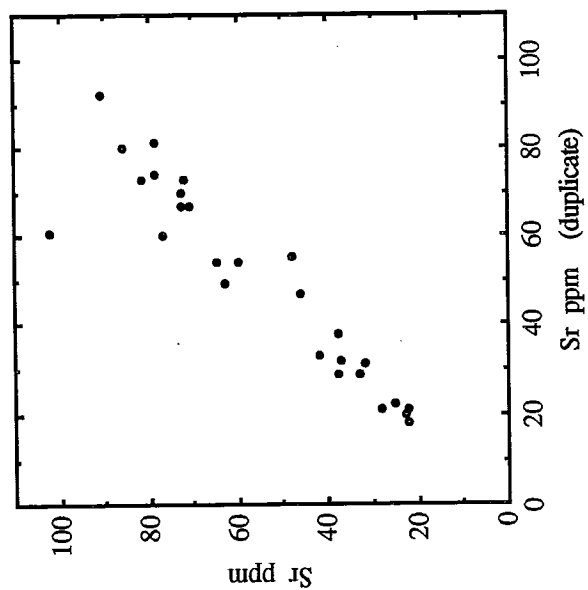
$<63\ \mu\text{m}$ fraction $n = 26$ samples

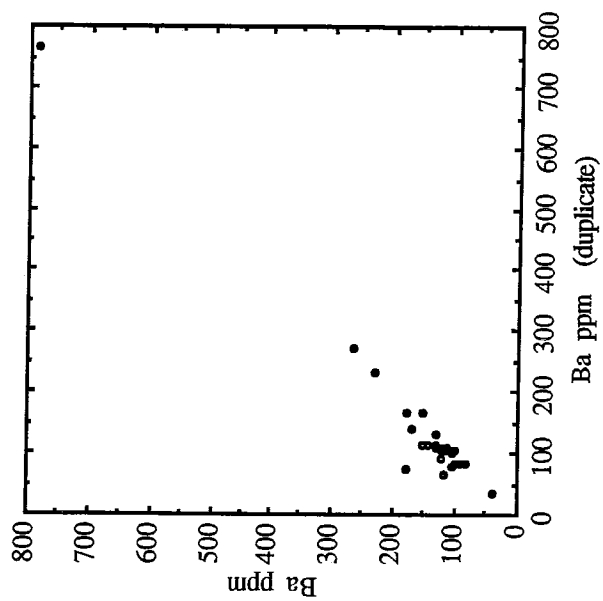
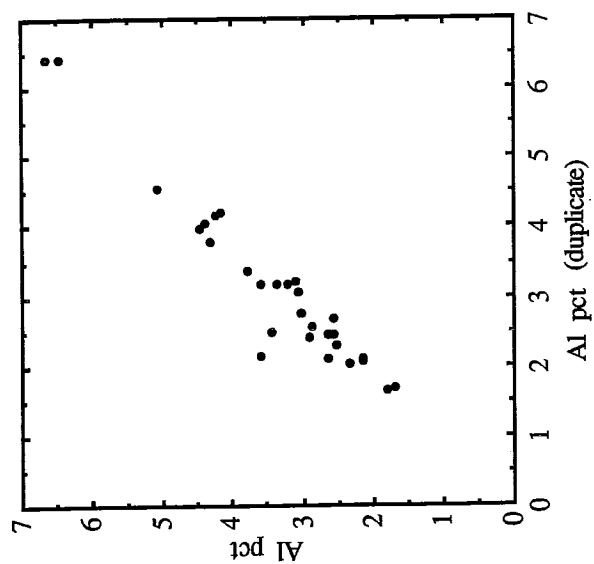
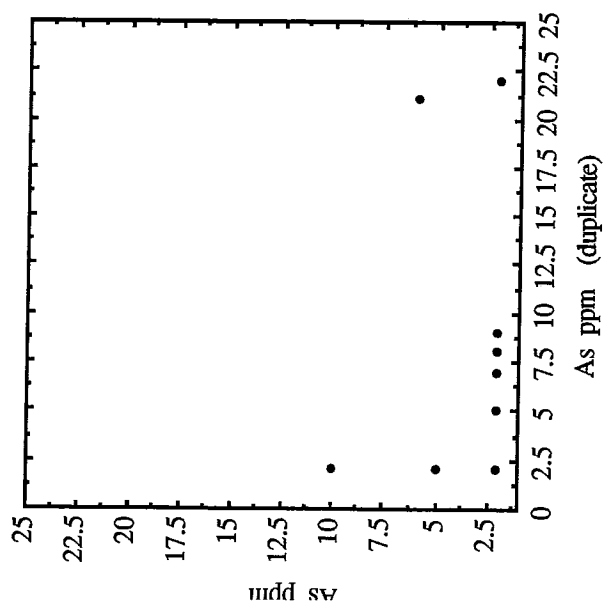
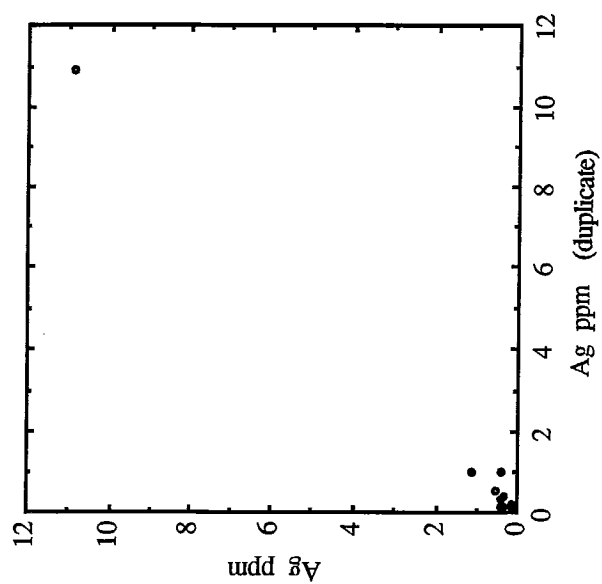
$<2\ \mu\text{m}$ fraction

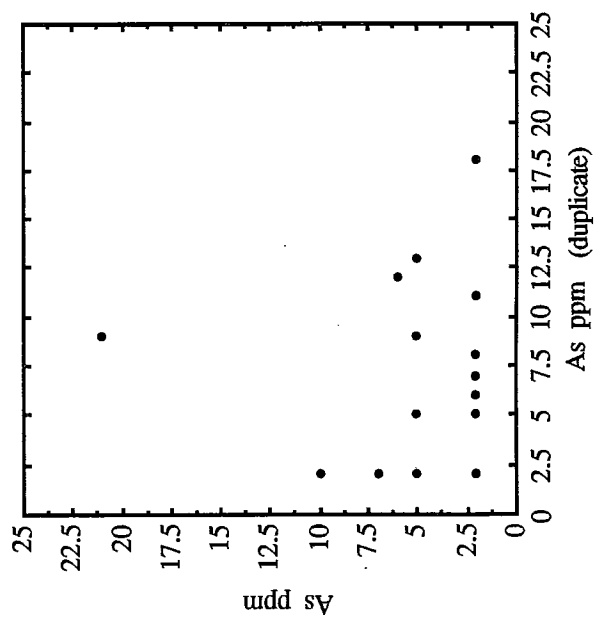
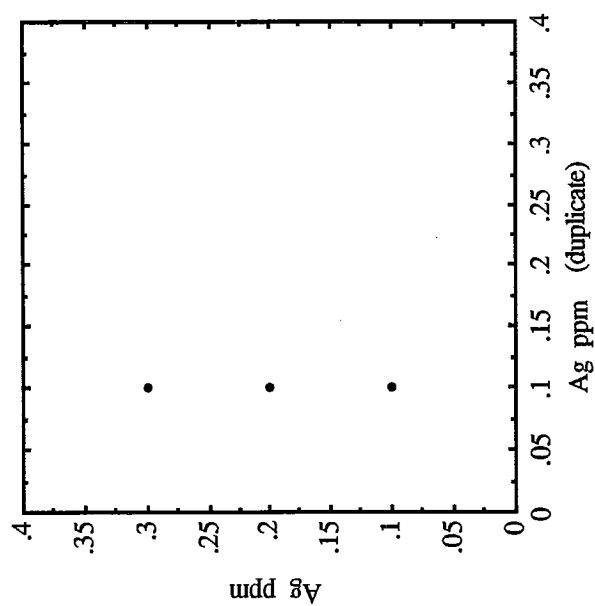
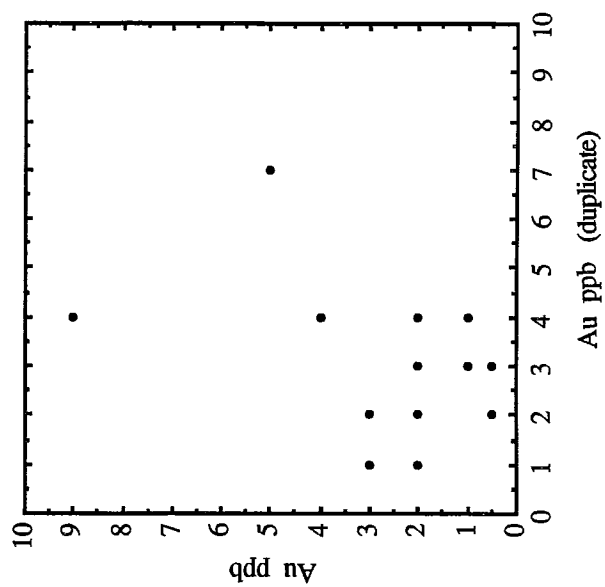
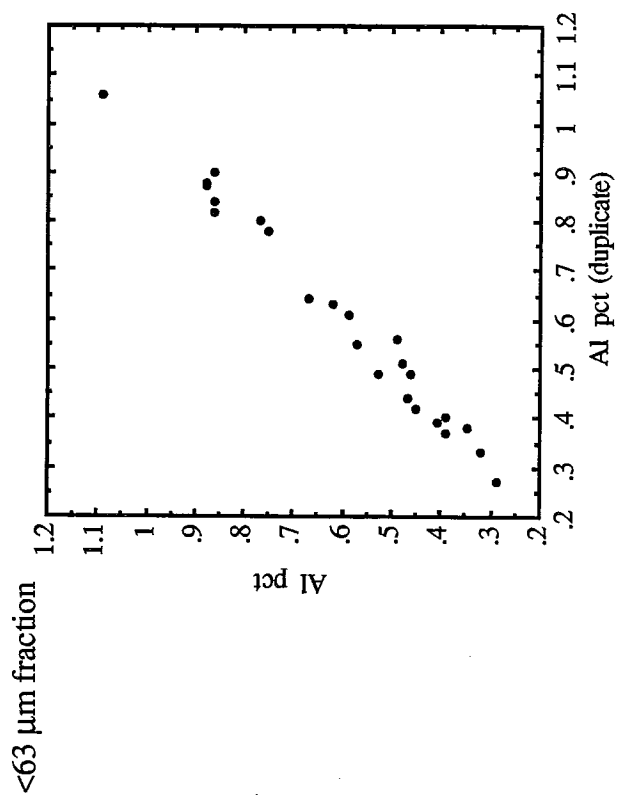
$<2\ \mu\text{m}$ fraction

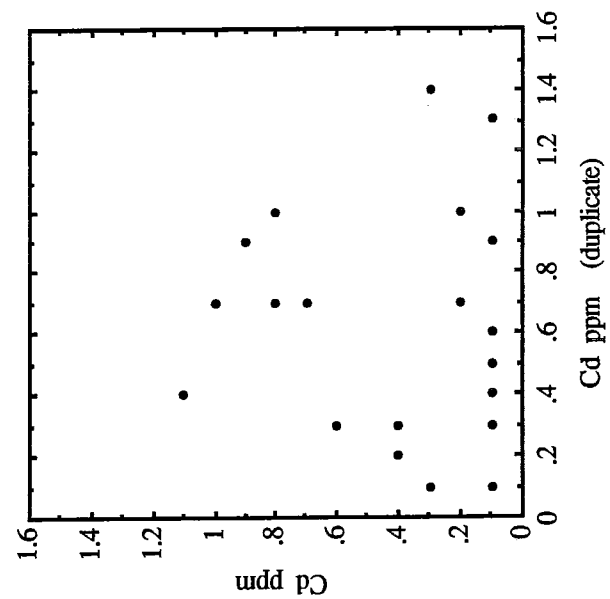
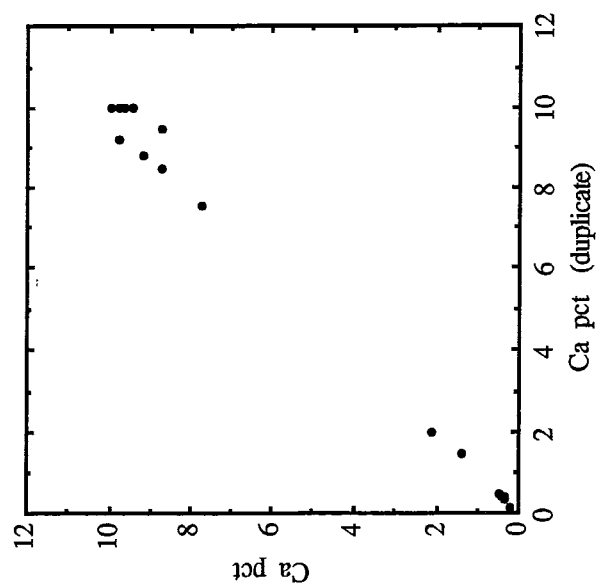
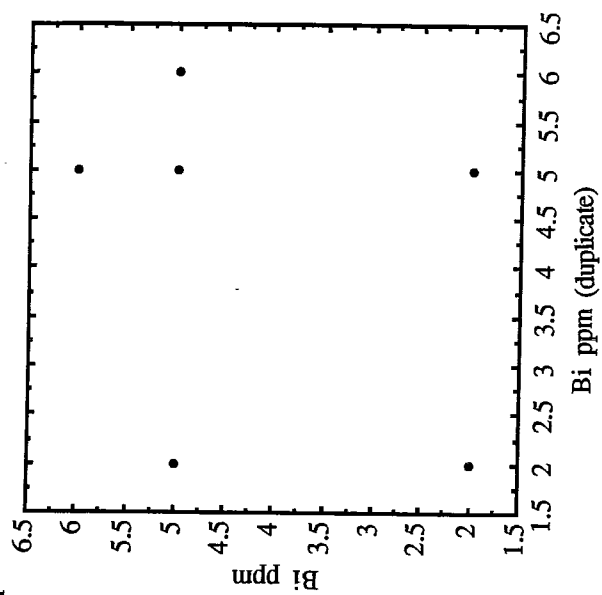
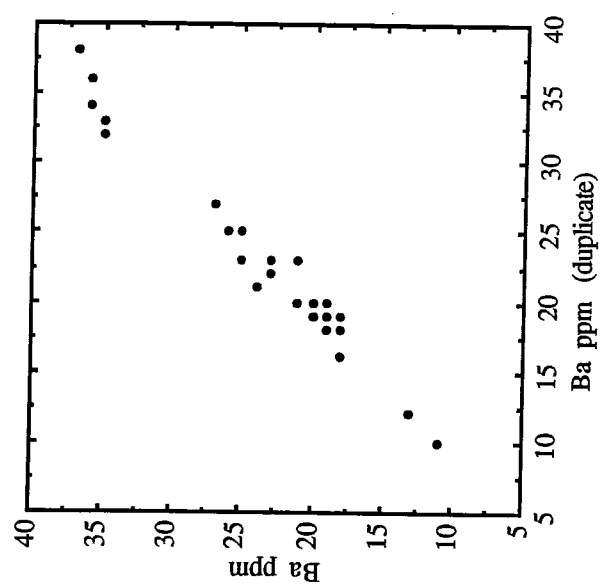


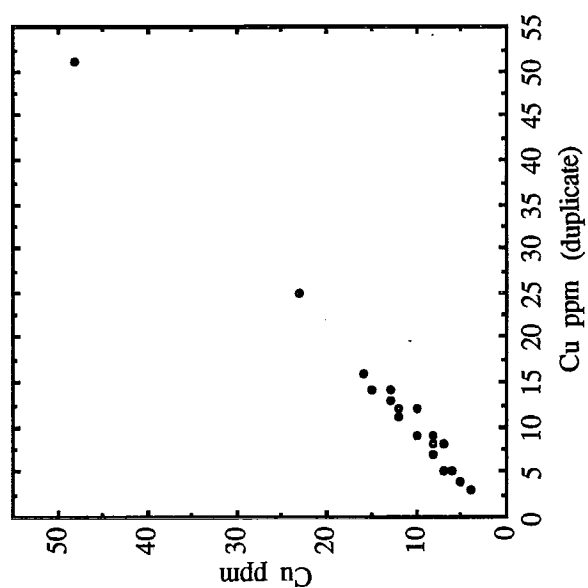
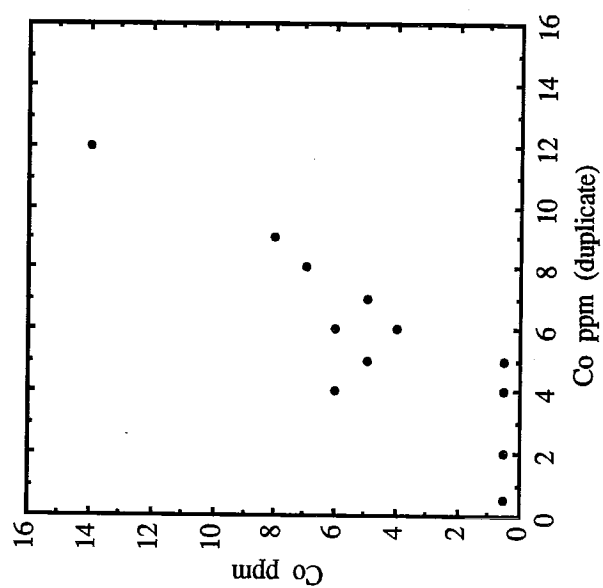
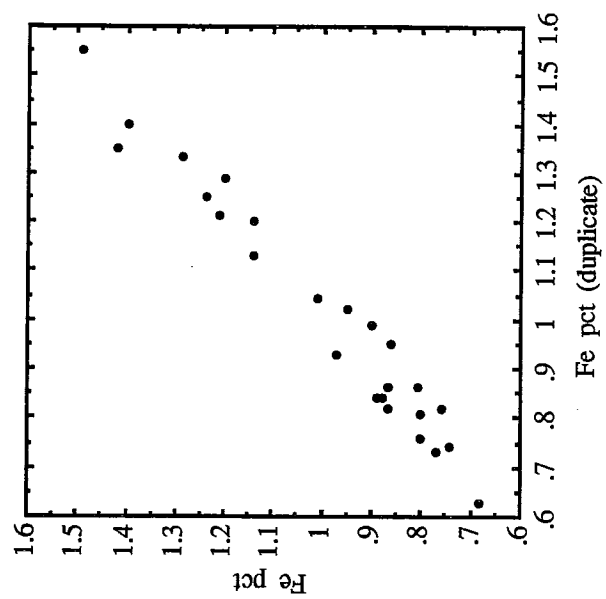
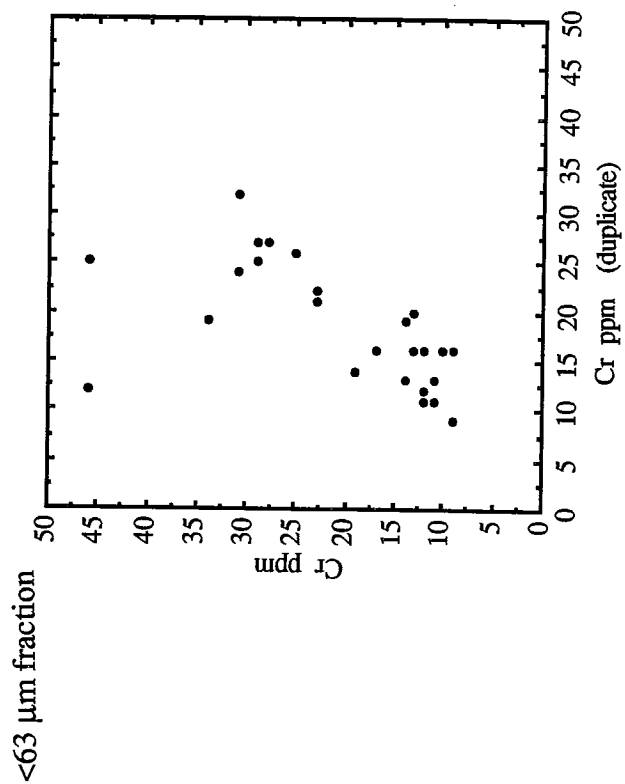


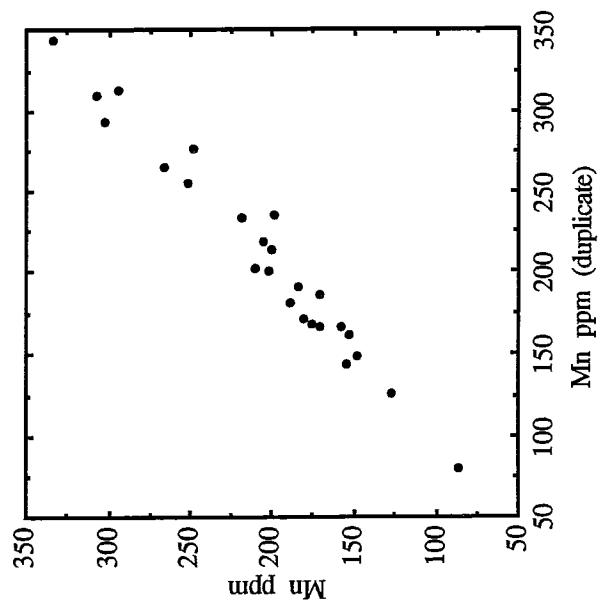
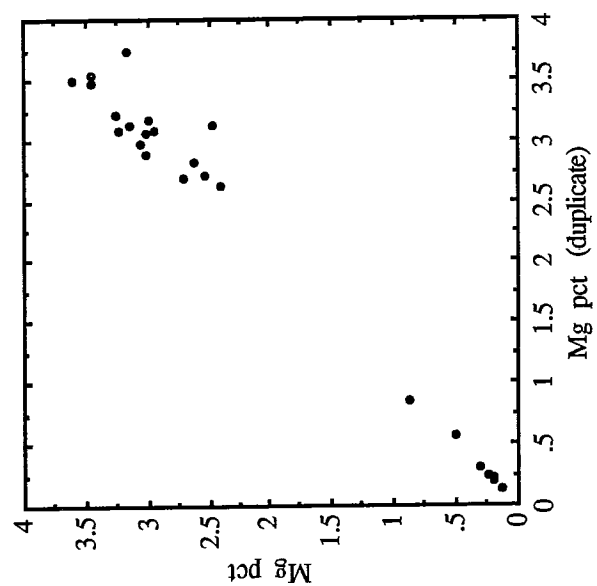
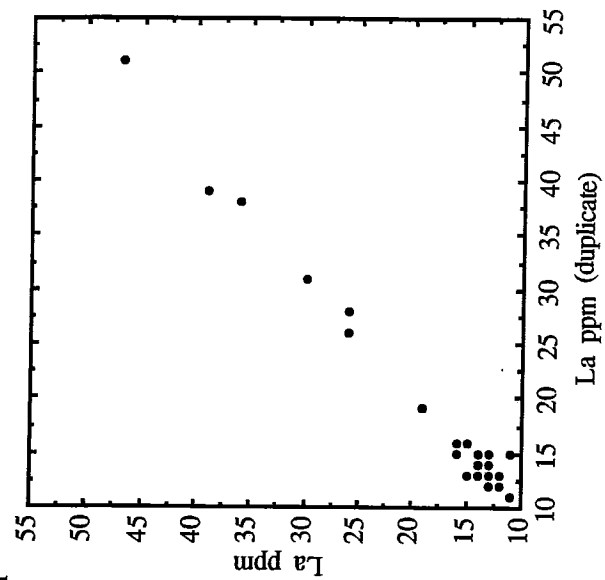
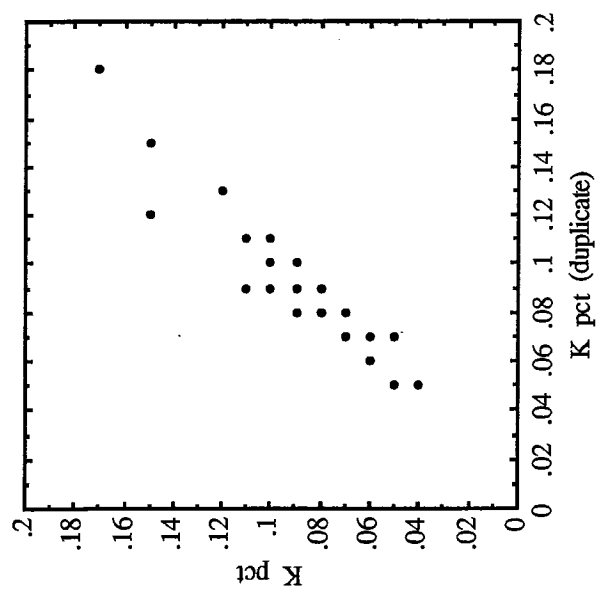
$<2\ \mu\text{m}$ fraction

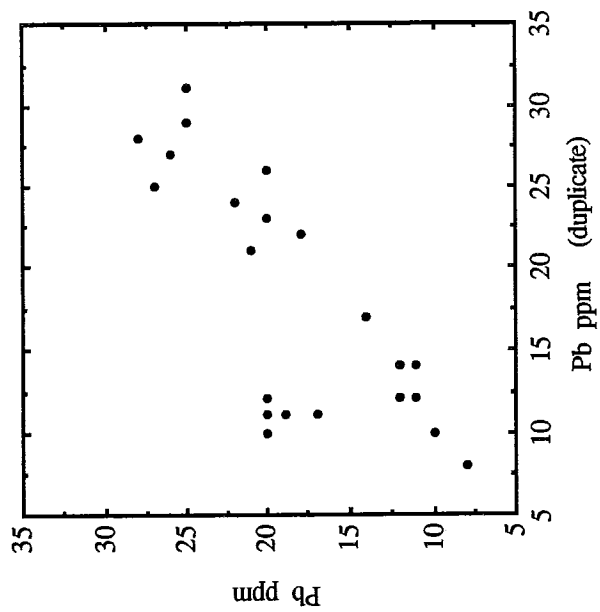
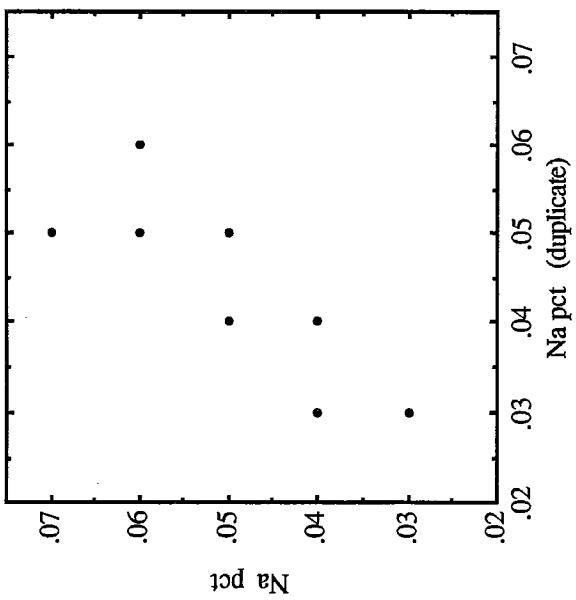
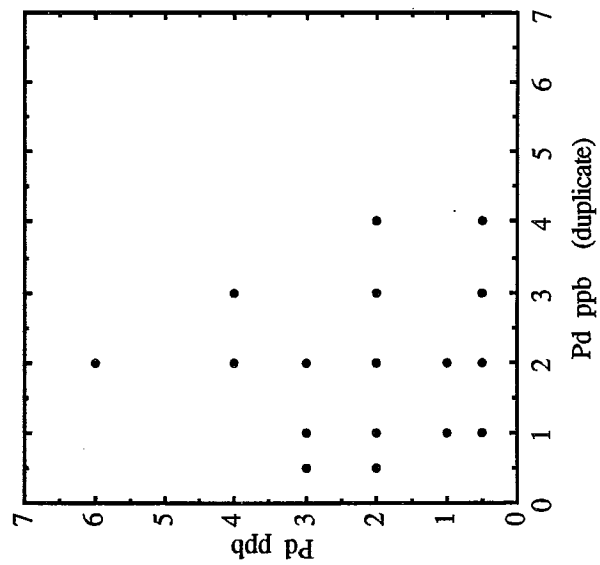
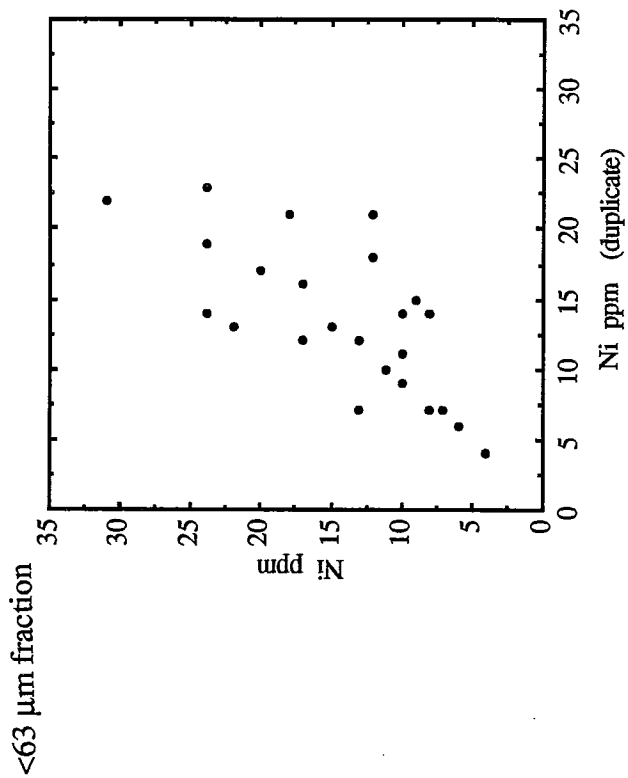
<2 μm fraction

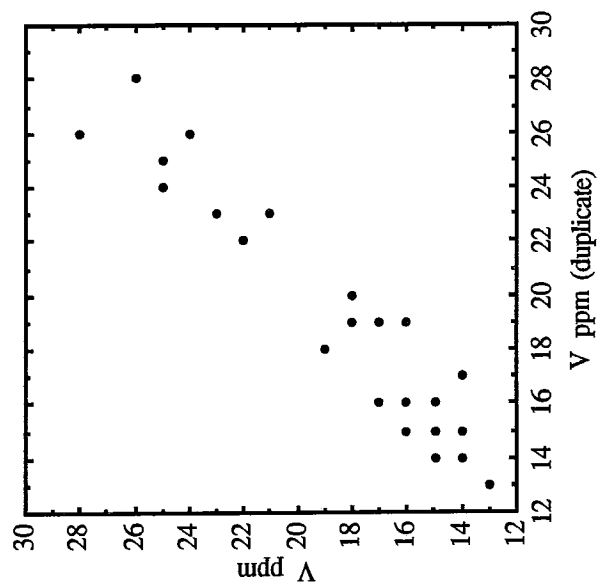
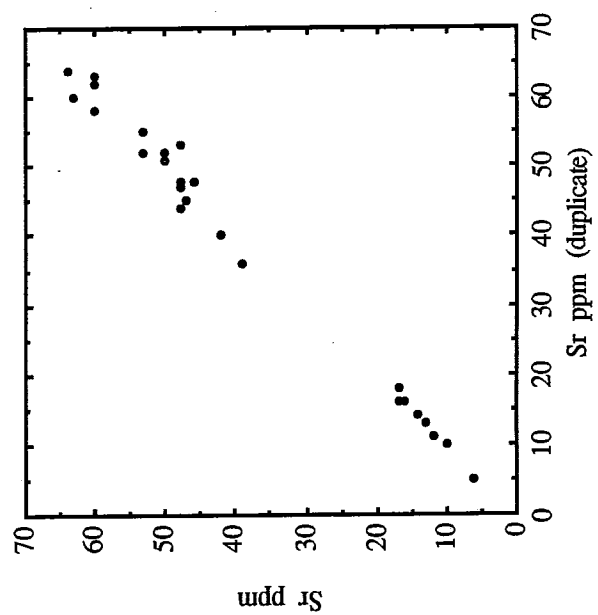
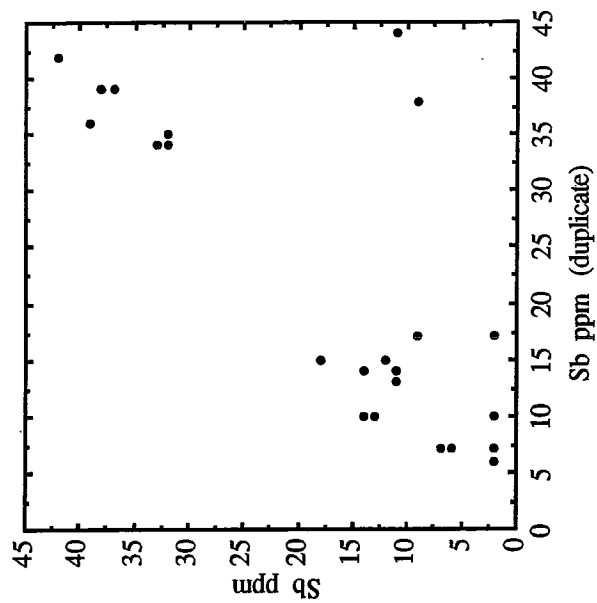
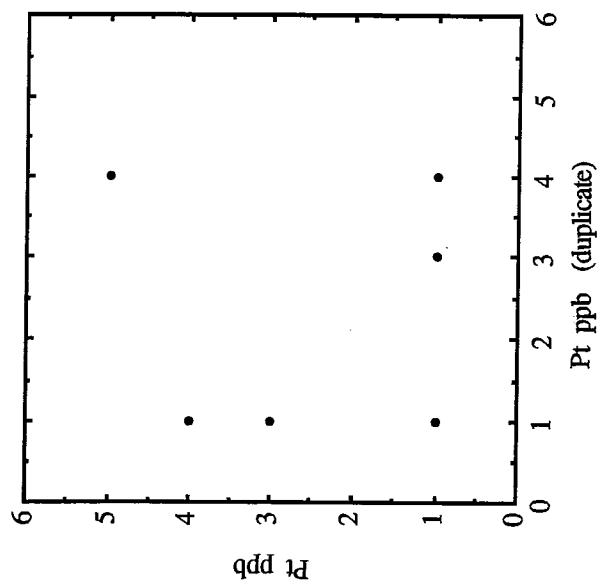


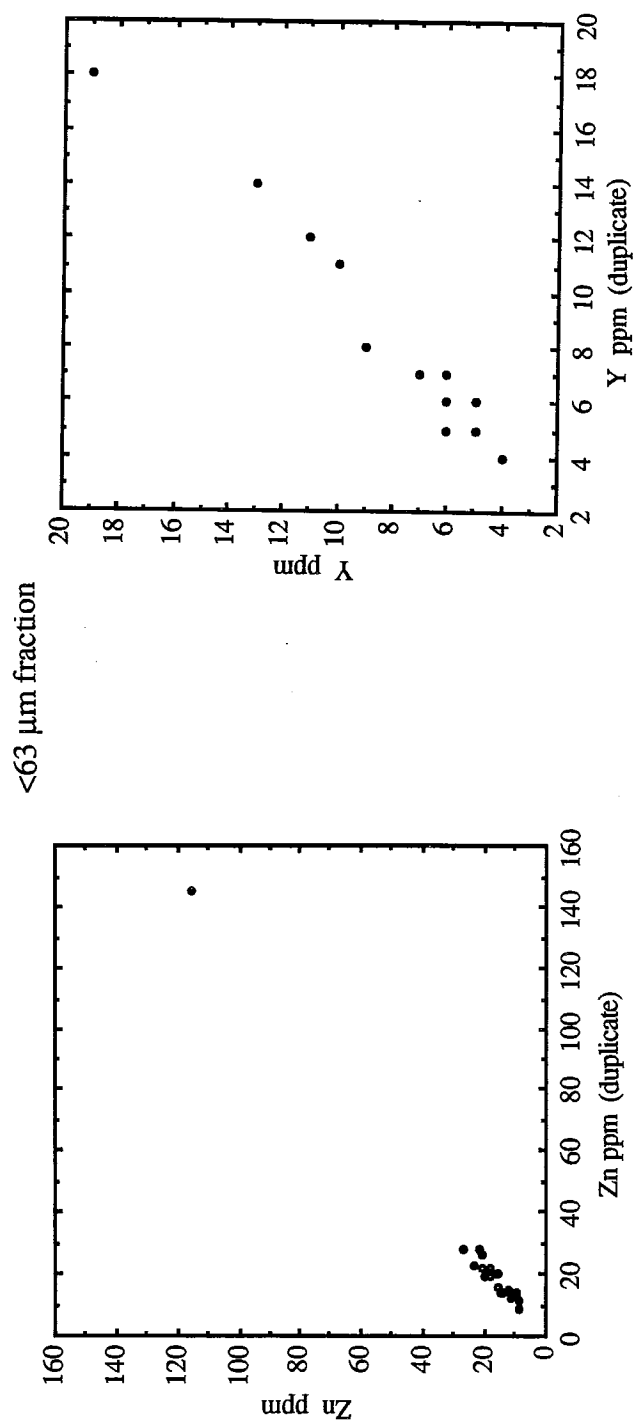
<63 μm fraction



<63 μm fraction



<63 μm fraction



**B (iii) Correlation Matrix for Geochemical and Pebble Count Data
for Representative Till and Gravel Samples**

Explanation

r 99.95%	100 samples	0.324
	250 samples	0.207

Correlation Matrix - 1991 representative till samples

	Pz cb%	Pz ss%	Prot %	Gran %	Msed %	Mvol %	Al <2 µm	Fe <2 µm
Pz cb%	1							
Pz ss%	.141	1						
Prot %	.456	.059	1					
Gran %	-.851	-.167	-.587	1				
Msed %	-.181	-.04	-.164	-.134	1			
Mvol %	-.233	-.055	-.045	-.159	.044	1		
Al <2 µm	-.637	-.054	-.153	.487	.079	.229	1	
Fe <2 µm	-.624	-.036	-.308	.511	.189	.141	.714	1
Mn <2 µm	-.303	-.078	-.132	.265	.074	.034	.274	.579
Mg <2 µm	.212	-.057	-.178	-.084	-.01	-.131	-.335	.016
Ca <2 µm	.659	-.002	.117	-.479	-.165	-.195	-.792	-.732
Na <2 µm	-.343	-.155	-.049	.304	.066	-.015	.348	.385
K <2 µm	-.189	.039	-.22	.277	-.053	-.117	.192	.358
Sc <2 µm	-.298	.025	-.001	.18	.104	.123	.362	.51
V <2 µm	-.569	.013	-.351	.535	.049	.088	.602	.875
Cr <2 µm	-.515	.006	-.208	.404	.155	.129	.621	.737

Note: 60 cases deleted with missing values.

	Pz cb%	Pz ss%	Prot %	Gran %	Msed %	Mvol %	Al <2 µm	Fe <2 µm
Co <2 µm	-.45	-.067	-.271	.341	.214	.152	.439	.632
Ni <2 µm	-.4	.004	-.218	.301	.167	.133	.458	.635
Cu <2 µm	-.263	-.092	-.26	.199	.234	.074	.195	.459
Zn <2 µm	-.036	-.065	-.064	.017	.135	-.023	.021	.171
As <2 µm	.024	-.047	.052	-.064	.056	.041	.035	-.046
Sr <2 µm	.474	-.064	-.007	-.291	-.167	-.169	-.65	-.586
Y <2 µm	-.162	-.028	.113	.07	.142	-.006	.146	.297
Mo <2 µm	-.08	.093	-.011	.071	.054	-.058	.127	.324
Ag <2 µm	-.093	-.057	-.079	.064	.176	-.044	.072	.236
Cd <2 µm	-.043	-.06	-.047	.023	.111	-.012	.043	.172
Sn <2 µm	.023	.031	-.001	-.019	.009	-.014	-.013	-.004
Sb <2 µm	.136	-.116	-.177	-.005	-.004	-.163	-.225	.078
Te <2 µm	.	.	.	.	.	.	.	.
Ba <2 µm	-.281	.09	-.213	.3	.013	-.031	.289	.469
La <2 µm	-.309	-.061	-.024	.25	.113	-.021	.209	.311
W <2 µm	.	.	.	.	.	.	.	.

Correlation Matrix - 1991 representative till samples

	Pz cb%	Pz ss%	Prot %	Gran %	Msed %	Mvol %	Al <2 µm	Fe <2 µm
Pb <2 µm	-.046	-.071	-.041	.035	.082	-.017	.058	.177
Bi <2 µm	.	.	.	.	.	.	.	.
Al <63 µm	-.526	.025	-.255	.413	.06	.245	.735	.617
Fe <63 µm	-.54	-.021	-.402	.483	.118	.144	.551	.787
Mn <63 µm	-.228	-.055	-.231	.227	-.015	.105	.297	.53
Mg <63 µm	.751	.026	.148	-.55	-.165	-.245	-.731	-.545
Ca <63 µm	.792	.017	.199	-.59	-.184	-.252	-.796	-.665
Na <63 µm	-.217	-.101	-.171	.194	.001	.122	.23	.213
K <63 µm	-.296	-.005	-.283	.351	.002	-.061	.313	.472
Sc <63 µm	-.141	-.033	-.165	.201	-.043	-.057	.183	.37
V <63 µm	-.522	.013	-.413	.518	-.019	.127	.504	.722
Cr <63 µm	-.297	.008	-.2	.226	-.006	.231	.333	.337
Co <63 µm	-.631	-.055	-.378	.524	.117	.24	.66	.752
Ni <63 µm	-.362	.008	-.289	.281	.029	.268	.385	.447
Cu <63 µm	-.106	-.07	-.13	.087	.144	-.01	.088	.239
Zn <63 µm	-.078	-.066	-.086	.058	.121	-.008	.063	.177

	Pz cb%	Pz ss%	Prot %	Gran %	Msed %	Mvol %	Al <2 µm	Fe <2 µm
As <63 µm	-.019	-.042	.053	-.043	.252	-.086	.012	.072
Sr <63 µm	.73	-.013	.095	-.507	-.202	-.237	-.733	-.591
Y <63 µm	-.213	-.014	-.027	.155	.098	.017	.196	.404
Mo <63 µm	.495	-.03	.125	-.372	-.117	-.138	-.457	-.386
Ag <63 µm	-.08	-.064	-.078	.067	.101	-.016	.066	.157
Cd <63 µm	-.035	-.032	-.076	.024	.075	.011	.049	.127
Sn <63 µm	-.046	-.022	.057	.041	-.031	-.014	.067	.051
Sb <63 µm	.404	.009	.029	-.305	-.076	-.081	-.441	-.348
Te <63 µm	.	.	.	.	.	.	.	.
Ba <63 µm	-.372	.038	-.317	.408	-.017	-.003	.387	.52
La <63 µm	-.472	.008	-.149	.418	.042	.042	.403	.504
W <63 µm	-.067	-.001	-.048	.088	-.02	-.032	.006	.07
Pb <63 µm	.057	-.067	-.039	-.056	.101	-.031	-.024	.095
Bi <63 µm	.376	.041	.07	-.278	-.055	-.14	-.228	-.161
Pd <63 µm	-.071	-.056	.031	.037	.084	-.018	.095	.111
Pt <63 µm	.022	.063	.02	.006	-.081	-.023	-.052	.019

Correlation Matrix - 1991 representative till samples

	Pz cb%	Pz ss%	Prot %	Gran %	Msed %	Mvol %	Al <2 μ m	Fe <2 μ m
Au <63 μ m	.047	-.016	-.028	-.109	.155	.077	.031	.079

	Mn <2 μ m	Mg <2 μ m	Ca <2 μ m	Na <2 μ m	K <2 μ m	Sc <2 μ m	V <2 μ m	Cr <2 μ m
Mn <2 μ m	1							
Mg <2 μ m	.059	1						
Ca <2 μ m	-.417	.391	1					
Na <2 μ m	.416	-.285	-.474	1				
K <2 μ m	.117	.396	-.095	-.023	1			
Sc <2 μ m	.558	.039	-.466	.101	.293	1		
V <2 μ m	.378	.235	-.568	.196	.516	.443	1	
Cr <2 μ m	.361	.128	-.585	.261	.447	.538	.756	1

Correlation Matrix - 1991 representative till samples

	Mn <2 µm	Mg <2 µm	Ca <2 µm	Na <2 µm	K <2 µm	Sc <2 µm	V <2 µm	Cr <2 µm
Co <2 µm	.643	.032	-.46	.389	.18	.411	.527	.526
Ni <2 µm	.417	.139	-.44	.197	.513	.485	.637	.804
Cu <2 µm	.42	.271	-.209	.089	.101	.24	.428	.336
Zn <2 µm	.182	.008	-.068	.059	.012	-.036	.062	.016
As <2 µm	.055	-.063	-.045	.057	-.091	-.026	-.097	-.014
Sr <2 µm	-.343	.417	.877	-.47	.102	-.348	-.414	-.47
Y <2 µm	.553	-.133	-.325	.251	-.021	.765	.089	.207
Mo <2 µm	.267	.08	-.299	.157	.081	.167	.303	.208
Ag <2 µm	.228	-.059	-.149	.164	.01	-.002	.099	.063
Cd <2 µm	.141	-.02	-.07	.044	-.015	-.033	.076	.008
Sn <2 µm	-.007	-.057	-.036	.062	-.043	-.041	-.006	-.012
Sb <2 µm	.153	.821	.295	-.115	.412	.011	.204	.099
Te <2 µm	•	•	•	•	•	•	•	•
Ba <2 µm	.199	.284	-.208	-.055	.881	.357	.592	.475
La <2 µm	.491	-.148	-.346	.217	.068	.718	.163	.291
W <2 µm	•	•	•	•	•	•	•	•

	Mn <2 µm	Mg <2 µm	Ca <2 µm	Na <2 µm	K <2 µm	Sc <2 µm	V <2 µm	Cr <2 µm
Pb <2 µm	.174	-.037	-.085	.076	-.022	-.022	.063	.029
Bi <2 µm	•	•	•	•	•	•	•	•
Al <63 µm	.124	-.138	-.599	.134	.212	.197	.595	.489
Fe <63 µm	.421	.118	-.527	.2	.342	.345	.744	.551
Mn <63 µm	.529	.264	-.291	.055	.233	.38	.47	.346
Mg <63 µm	-.277	.611	.776	-.399	.005	-.315	-.374	-.426
Ca <63 µm	-.336	.523	.874	-.399	-.053	-.395	-.503	-.535
Na <63 µm	.137	.147	-.073	-.008	.374	.177	.254	.131
K <63 µm	.135	.21	-.229	.037	.826	.257	.588	.482
Sc <63 µm	.175	.394	-.091	-.007	.329	.271	.544	.429
V <63 µm	.352	.182	-.477	.151	.435	.374	.844	.603
Cr <63 µm	.103	-.037	-.293	.067	.131	.193	.348	.37
Co <63 µm	.448	-.017	-.617	.26	.269	.426	.726	.647
Ni <63 µm	.174	.062	-.327	.081	.294	.264	.486	.477
Cu <63 µm	.182	.087	-.103	.028	.033	.033	.185	.107
Zn <63 µm	.138	-.01	-.09	.038	.017	-.02	.087	.029

Correlation Matrix - 1991 representative till samples

	Mn <2 µm	Mg <2 µm	Ca <2 µm	Na <2 µm	K <2 µm	Sc <2 µm	V <2 µm	Cr <2 µm
As <63 µm	.024	-.095	-.08	.06	-.091	.031	-3.321E-4	.129
Sr <63 µm	-.329	.534	.87	-.409	.038	-.394	-.423	-.478
Y <63 µm	.496	.084	-.315	.173	.197	.699	.248	.316
Mo <63 µm	-.191	.345	.547	-.302	.003	-.187	-.276	-.285
Ag <63 µm	.118	-.048	-.103	.046	.012	-.02	.085	.03
Cd <63 µm	.098	-.02	-.059	-.009	.01	-.027	.056	.009
Sn <63 µm	-.109	-.135	-.107	.023	-.046	-.025	.033	.034
Sb <63 µm	-.132	.45	.529	-.301	-.005	-.167	-.224	-.315
Te <63 µm	.	.	.	.	.	.	.	.
Ba <63 µm	.129	.146	-.311	.062	.764	.222	.638	.495
La <63 µm	.444	-.116	-.501	.216	.319	.713	.403	.498
W <63 µm	.142	-.06	-.07	-.034	.044	.221	.016	.043
Pb <63 µm	.066	.122	.042	-.06	.012	-.047	.056	-.026
Bi <63 µm	-.088	.305	.301	-.239	.022	-.088	-.058	-.105
Pd <63 µm	.052	-.041	-.061	-.015	.077	.072	.106	.133
Pt <63 µm	-.054	.037	.007	-.056	.056	-.046	.053	.049

	Mn <2 µm	Mg <2 µm	Ca <2 µm	Na <2 µm	K <2 µm	Sc <2 µm	V <2 µm	Cr <2 µm
Au <63 µm	-.016	-.076	-.101	.114	-.054	-.114	-.018	.002

Correlation Matrix - 1991 representative till samples

	Co <2 µm	Ni <2 µm	Cu <2 µm	Zn <2 µm	As <2 µm	Sr <2 µm	Y <2 µm	Mo <2 µm
Co <2 µm	1							
Ni <2 µm	.733	1						
Cu <2 µm	.538	.445	1					
Zn <2 µm	.124	.069	.625	1				
As <2 µm	.046	.014	-.002	-.01	1			
Sr <2 µm	-.377	-.359	-.179	-.069	-.072	1		
Y <2 µm	.261	.169	.119	.051	.031	-.27	1	
Mo <2 µm	.23	.225	.25	.171	-.001	-.358	.12	1
Ag <2 µm	.183	.107	.631	.949	-.006	-.16	.11	.212
Cd <2 µm	.079	.029	.581	.958	-.053	-.066	.059	.174
Sn <2 µm	-.028	-.018	-.037	-.014	-.041	-.073	-.011	.091
Sb <2 µm	.108	.137	.239	.085	-.014	.422	-.079	.043
Te <2 µm	.	.	.	.	.	.	.	.
Ba <2 µm	.25	.545	.165	.085	-.048	-.025	.063	.13
La <2 µm	.297	.2	.098	.038	-.021	-.218	.85	.08
W <2 µm	.	.	.	.	.	.	.	.

	Co <2 µm	Ni <2 µm	Cu <2 µm	Zn <2 µm	As <2 µm	Sr <2 µm	Y <2 µm	Mo <2 µm
Pb <2 µm	.188	.139	.497	.837	-.009	-.101	.057	.194
Bi <2 µm	.	.	.	.	.	.	.	.
Al <63 µm	.268	.324	.253	.078	-.023	-.478	-.055	.113
Fe <63 µm	.539	.51	.549	.253	-.056	-.377	.101	.243
Mn <63 µm	.326	.287	.413	.147	-.05	-.174	.19	.19
Mg <63 µm	-.38	-.292	-.089	-.053	.008	.605	-.258	-.002
Ca <63 µm	-.432	-.391	-.161	-.052	-.009	.714	-.277	-.101
Na <63 µm	.23	.157	.065	-.021	-.112	.222	.031	-.215
K <63 µm	.221	.521	.189	.078	-.055	-.073	-.048	.065
Sc <63 µm	.235	.409	.431	-.001	-.05	-.114	-.028	.197
V <63 µm	.542	.567	.445	.064	-.085	-.332	.026	.245
Cr <63 µm	.231	.306	.118	.006	-.058	-.21	-.002	.054
Co <63 µm	.755	.675	.511	.088	-.035	-.468	.113	.183
Ni <63 µm	.397	.528	.241	.033	-.063	-.23	-.008	.067
Cu <63 µm	.169	.139	.76	.925	-.031	-.099	.041	.198
Zn <63 µm	.087	.064	.597	.954	-.023	-.078	.045	.158

Correlation Matrix - 1991 representative till samples

	Co <2 µm	Ni <2 µm	Cu <2 µm	Zn <2 µm	As <2 µm	Sr <2 µm	Y <2 µm	Mo <2 µm
As <63 µm	.081	.075	.065	.149	.066	-.073	.054	-.036
Sr <63 µm	-.394	-.358	-.151	-.04	-.04	.791	-.32	-.155
Y <63 µm	.271	.27	.262	.139	.001	-.205	.791	.15
Mo <63 µm	-.253	-.2	-.081	.014	-.061	.47	-.138	-.112
Ag <63 µm	.088	.078	.568	.927	-.027	-.095	.037	.178
Cd <63 µm	.052	.055	.541	.897	-.019	-.061	.026	.177
Sn <63 µm	-.063	-.034	-.048	-.028	-.039	-.119	-.027	.109
Sb <63 µm	-.208	-.245	-.026	-.105	-.074	.55	-.171	-.189
Te <63 µm	.	.	.	.	.	.	.	.
Ba <63 µm	.248	.526	.171	.077	-.056	-.172	-.086	.108
La <63 µm	.336	.375	.142	.027	-.059	-.323	.664	.12
W <63 µm	.018	-.025	-.004	-.007	-.029	-.044	.178	.018
Pb <63 µm	.066	.065	.464	.757	-.029	.034	-.025	.131
Bi <63 µm	-.179	-.071	.028	-.063	.026	.238	-.176	.009
Pd <63 µm	.146	.197	.087	.121	-.06	-.026	.024	-.012
Pt <63 µm	-.031	.077	-.071	-.045	.023	-.061	-.125	.015

	Co <2 µm	Ni <2 µm	Cu <2 µm	Zn <2 µm	As <2 µm	Sr <2 µm	Y <2 µm	Mo <2 µm
Au <63 µm	.026	.023	.329	.543	.011	-.173	-.053	.205

Correlation Matrix - 1991 representative till samples

	Ag <2 µm	Cd <2 µm	Sn <2 µm	Sb <2 µm	Te <2 µm	Ba <2 µm	La <2 µm	W <2 µm
Ag <2 µm	1							
Cd <2 µm	.896	1						
Sn <2 µm	-.009	-.008	1					
Sb <2 µm	.023	.062	-.127	1				
Te <2 µm	•	•	•	•	1			
Ba <2 µm	.092	.069	-.052	.299	•	1		
La <2 µm	.092	.038	-.019	-.077	•	.165	1	
W <2 µm	•	•	•	•	•	•	•	1

	Ag <2 µm	Cd <2 µm	Sn <2 µm	Sb <2 µm	Te <2 µm	Ba <2 µm	La <2 µm	W <2 µm
Pb <2 µm	.781	.81	-.014	.013	•	.031	.037	•
Bi <2 µm	•	•	•	•	•	•	•	•
Al <63 µm	.097	.088	-.039	-.131	•	.27	.004	•
Fe <63 µm	.278	.242	-.056	.131	•	.373	.123	•
Mn <63 µm	.118	.148	-.07	.226	•	.197	.141	•
Mg <63 µm	-.119	-.064	-.006	.46	•	-.134	-.36	•
Ca <63 µm	-.127	-.066	-.01	.419	•	-.196	-.363	•
Na <63 µm	-.065	-.018	-.086	.319	•	.299	.111	•
K <63 µm	.093	.059	-.049	.235	•	.775	.047	•
Sc <63 µm	.031	-.006	-.011	.191	•	.291	-.052	•
V <63 µm	.094	.065	-.043	.138	•	.448	.098	•
Cr <63 µm	.001	.004	-.034	-.06	•	.137	.029	•
Co <63 µm	.12	.079	-.033	-.011	•	.316	.194	•
Ni <63 µm	.031	.027	-.047	.041	•	.295	.046	•
Cu <63 µm	.877	.938	-.019	.107	•	.102	.027	•
Zn <63 µm	.886	.976	-.014	.056	•	.092	.032	•

Correlation Matrix - 1991 representative till samples

	Ag <2 µm	Cd <2 µm	Sn <2 µm	Sb <2 µm	Te <2 µm	Ba <2 µm	La <2 µm	W <2 µm
As <63 µm	.137	.128	.174	-.054	•	-.046	.089	•
Sr <63 µm	-.122	-.057	-.031	.441	•	-.119	-.355	•
Y <63 µm	.164	.13	-.042	.099	•	.189	.644	•
Mo <63 µm	-.064	-.004	-.021	.28	•	-.097	-.22	•
Ag <63 µm	.873	.952	-.014	.01	•	.092	.03	•
Cd <63 µm	.826	.936	.003	.035	•	.083	.006	•
Sn <63 µm	.002	-3.825E-4	-.016	-.125	•	-.023	-.028	•
Sb <63 µm	-.181	-.083	-.057	.406	•	-.121	-.216	•
Te <63 µm	•	•	•	•	•	•	•	•
Ba <63 µm	.107	.061	-.037	.143	•	.815	.041	•
La <63 µm	.081	.018	-.057	-.071	•	.358	.808	•
W <63 µm	.034	.025	-.006	-.09	•	.058	.237	•
Pb <63 µm	.643	.769	-.033	.14	•	.049	-.057	•
Bi <63 µm	-.096	-.043	-.043	.18	•	-.043	-.226	•
Pd <63 µm	.083	.084	.032	.01	•	.089	.092	•
Pt <63 µm	-.035	-.049	-.04	-.105	•	.084	-.098	•

	Ag <2 µm	Cd <2 µm	Sn <2 µm	Sb <2 µm	Te <2 µm	Ba <2 µm	La <2 µm	W <2 µm
Au <63 µm	.575	.513	-.023	-.105	•	-.032	-.082	•

Correlation Matrix - 1991 representative till samples

	Pb <2 µm	Bi <2 µm	Al <63 µm	Fe <63 µm	Mn <63 µm	Mg <63 µm	Ca <63 µm	Na <63 µm
Pb <2 µm	1							
Bi <2 µm	•	1						
Al <63 µm	.086	•	1					
Fe <63 µm	.233	•	.816	1				
Mn <63 µm	.14	•	.606	.769	1			
Mg <63 µm	-.061	•	-.506	-.394	-.081	1		
Ca <63 µm	-.064	•	-.614	-.516	-.21	.957	1	
Na <63 µm	-.041	•	.298	.355	.343	-.175	-.147	1
K <63 µm	.038	•	.532	.609	.438	-.135	-.218	.379
Sc <63 µm	-.026	•	.355	.506	.421	.091	-.02	.032
V <63 µm	.074	•	.734	.9	.662	-.324	-.453	.363
Cr <63 µm	.132	•	.399	.404	.327	-.282	-.316	.205
Co <63 µm	.141	•	.717	.855	.609	-.552	-.652	.33
Ni <63 µm	.152	•	.495	.56	.423	-.271	-.332	.292
Cu <63 µm	.773	•	.2	.386	.268	-.057	-.088	.003
Zn <63 µm	.831	•	.151	.297	.192	-.082	-.092	.014

	Pb <2 µm	Bi <2 µm	Al <63 µm	Fe <63 µm	Mn <63 µm	Mg <63 µm	Ca <63 µm	Na <63 µm
As <63 µm	.247	•	.017	.02	-.022	-.159	-.132	-.038
Sr <63 µm	-.06	•	-.479	-.379	-.078	.905	.945	-.008
Y <63 µm	.133	•	.227	.444	.549	-.174	-.241	.212
Mo <63 µm	.092	•	-.308	-.236	-.013	.544	.594	.032
Ag <63 µm	.814	•	.128	.273	.132	-.1	-.108	-.014
Cd <63 µm	.775	•	.1	.237	.144	-.048	-.053	-.006
Sn <63 µm	-.037	•	.002	-.041	-.092	-.1	-.093	-.091
Sb <63 µm	-.119	•	-.265	-.18	.084	.559	.592	.374
Te <63 µm	•	•	•	•	•	•	•	•
Ba <63 µm	.052	•	.574	.61	.396	-.223	-.316	.295
La <63 µm	.031	•	.345	.46	.407	-.469	-.523	.235
W <63 µm	-.003	•	-.039	-.013	.005	-.088	-.085	-.061
Pb <63 µm	.898	•	.119	.24	.209	.106	.088	.078
Bi <63 µm	-.072	•	-.09	-.089	.164	.51	.4	-.013
Pd <63 µm	.078	•	.021	.057	.017	-.126	-.084	.06
Pt <63 µm	-.037	•	.018	.037	-.001	.105	.039	-.176

Correlation Matrix - 1991 representative till samples

	Pb <2 µm	Bi <2 µm	Al <63 µm	Fe <63 µm	Mn <63 µm	Mg <63 µm	Ca <63 µm	Na <63 µm
Au <63 µm	.414	•	.066	.113	.009	-.005	-.036	-.218

	K <63 µm	Sc <63 µm	V <63 µm	Cr <63 µm	Co <63 µm	Ni <63 µm	Cu <63 µm	Zn <63 µm
K <63 µm	1							
Sc <63 µm	.506	1						
V <63 µm	.649	.619	1					
Cr <63 µm	.235	.223	.413	1				
Co <63 µm	.482	.473	.86	.445	1			
Ni <63 µm	.444	.38	.594	.886	.618	1		
Cu <63 µm	.149	.181	.217	.053	.225	.103	1	
Zn <63 µm	.116	.015	.11	.033	.126	.061	.965	1

Correlation Matrix - 1991 representative till samples

	K <63 μm	Sc <63 μm	V <63 μm	Cr <63 μm	Co <63 μm	Ni <63 μm	Cu <63 μm	Zn <63 μm
As <63 μm	-.046	-.051	-.061	.021	.055	.023	.112	.144
Sr <63 μm	-.09	-.015	-.326	-.265	-.541	-.26	-.069	-.069
Y <63 μm	.217	.146	.316	.147	.31	.211	.18	.159
Mo <63 μm	-.057	.05	-.218	.323	-.318	.22	-.009	-.005
Ag <63 μm	.104	.035	.113	.023	.124	.055	.938	.971
Cd <63 μm	.075	-.009	.08	.003	.084	.029	.916	.955
Sn <63 μm	-.039	-.019	-.039	-.048	-.026	-.075	-.025	-.022
Sb <63 μm	-.113	.074	-.121	-.036	-.27	-.012	-.068	-.092
Te <63 μm}	.	.	.	.	.	.	.	.
Ba <63 μm	.934	.47	.673	.239	.52	.439	.139	.114
La <63 μm	.364	.139	.439	.257	.457	.316	.062	.051
W <63 μm	-.002	-.008	-.017	-.015	.006	-.033	-.011	-.008
Pb <63 μm	.097	.046	.087	.127	.09	.157	.763	.808
Bi <63 μm	.029	.193	-.041	-.102	-.148	-.087	-.006	-.054
Pd <63 μm	.13	.073	.028	.031	.11	.07	.07	.076
Pt <63 μm	.074	.115	.08	.07	.019	.058	-.041	-.036

	K <63 μm	Sc <63 μm	V <63 μm	Cr <63 μm	Co <63 μm	Ni <63 μm	Cu <63 μm	Zn <63 μm
Au <63 μm	.007	2.668E-4	-.004	-.106	.015	-.108	.513	.502

Correlation Matrix - 1991 representative till samples

	As <63 µm	Sr <63 µm	Y <63 µm	Mo <63 µm	Ag <63 µm	Cd <63 µm	Sn <63 µm	Sb <63 µm
As <63 µm	1							
Sr <63 µm	-.106	1						
Y <63 µm	.03	-.204	1					
Mo <63 µm	-.034	.558	-.075	1				
Ag <63 µm	.137	-.089	.126	-.032	1			
Cd <63 µm	.094	-.032	.135	-.006	.945	1		
Sn <63 µm	-.036	-.109	-.075	-.103	-.025	-.008	1	
Sb <63 µm	-.062	.593	-.049	.38	-.123	-.056	-.138	1
Te <63 µm	•	•	•	•	•	•	•	•
Ba <63 µm	-.031	-.176	.155	-.157	.113	.088	-.021	-.203
La <63 µm	.054	-.441	.77	-.265	.053	.039	-.049	-.251
W <63 µm	.044	-.083	.07	-.087	-.01	-.017	-.011	-.071
Pb <63 µm	.227	.096	.105	.212	.812	.759	-.071	.099
Bi <63 µm	-.117	.43	-.109	.199	-.065	-.052	-.077	.339
Pd <63 µm	.19	-.085	-.03	.054	.073	.051	.016	-.179
Pt <63 µm	-.1	.037	-.076	-.037	-.029	-.019	-.044	-.051

	As <63 µm	Sr <63 µm	Y <63 µm	Mo <63 µm	Ag <63 µm	Cd <63 µm	Sn <63 µm	Sb <63 µm
Au <63 µm	-.01	-.033	-.02	-.107	.505	.479	.26	-.24

Correlation Matrix - 1991 representative till samples

	Te <63 μ m	Ba <63 μ m	La <63 μ m	W <63 μ m	Pb <63 μ m	Bi <63 μ m	Pd <63 μ m	Pt <63 μ m
Te <63 μ m	1							
Ba <63 μ m	•	1						
La <63 μ m	•	.371	1					
W <63 μ m	•	-.009	.137	1				
Pb <63 μ m	•	.064	-.057	-.049	1			
Bi <63 μ m	•	-.023	-.245	-.03	.063	1		
Pd <63 μ m	•	.061	.036	-.053	.069	-.029	1	
Pt <63 μ m	•	.118	-.027	-.029	-.05	.141	.034	1

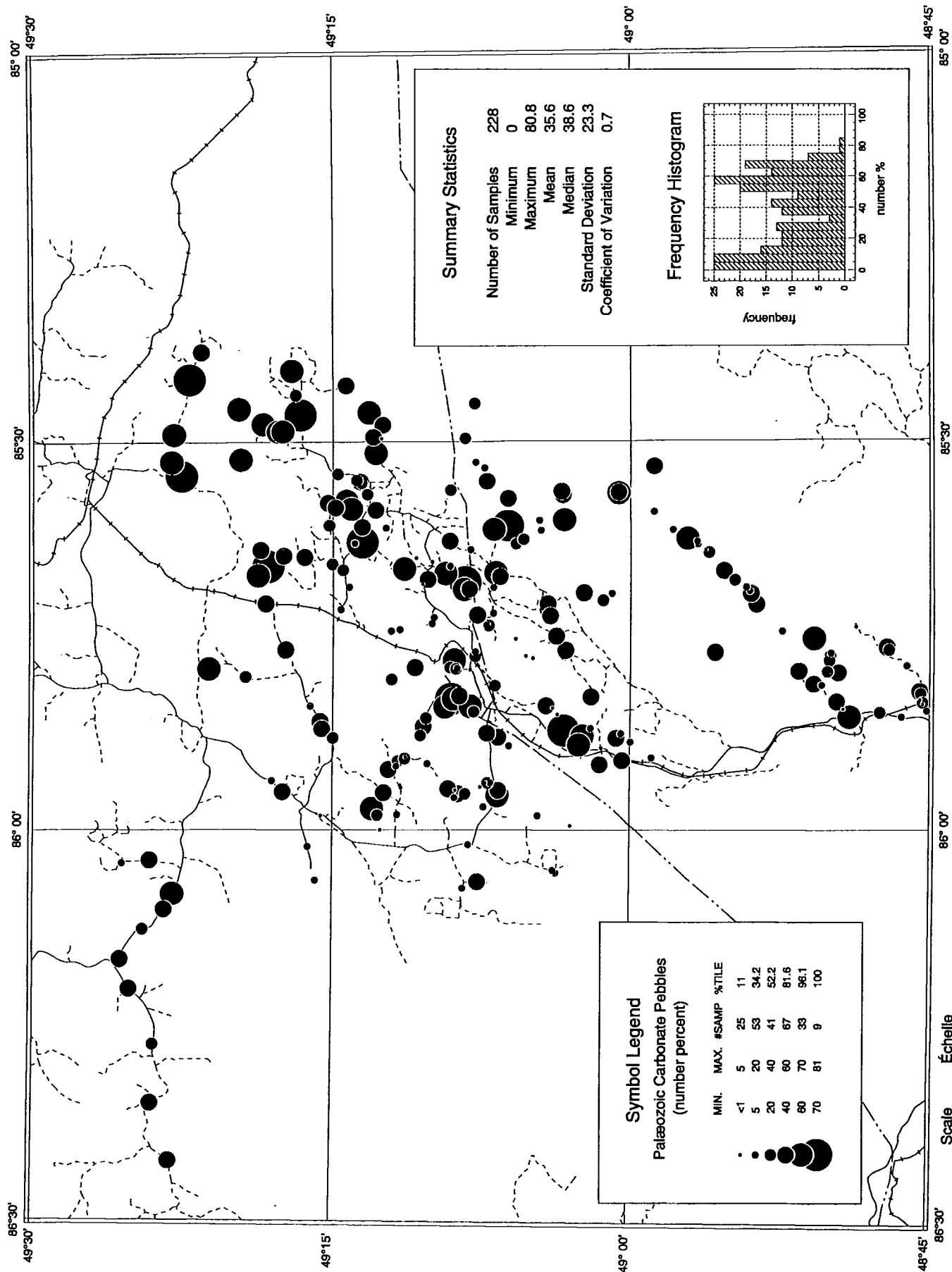
	Te <63 μ m	Ba <63 μ m	La <63 μ m	W <63 μ m	Pb <63 μ m	Bi <63 μ m	Pd <63 μ m	Pt <63 μ m
Au <63 μ m	•	.038	-.076	-.027	.316	-.003	.053	.062

Correlation Matrix - 1991 representative till samples

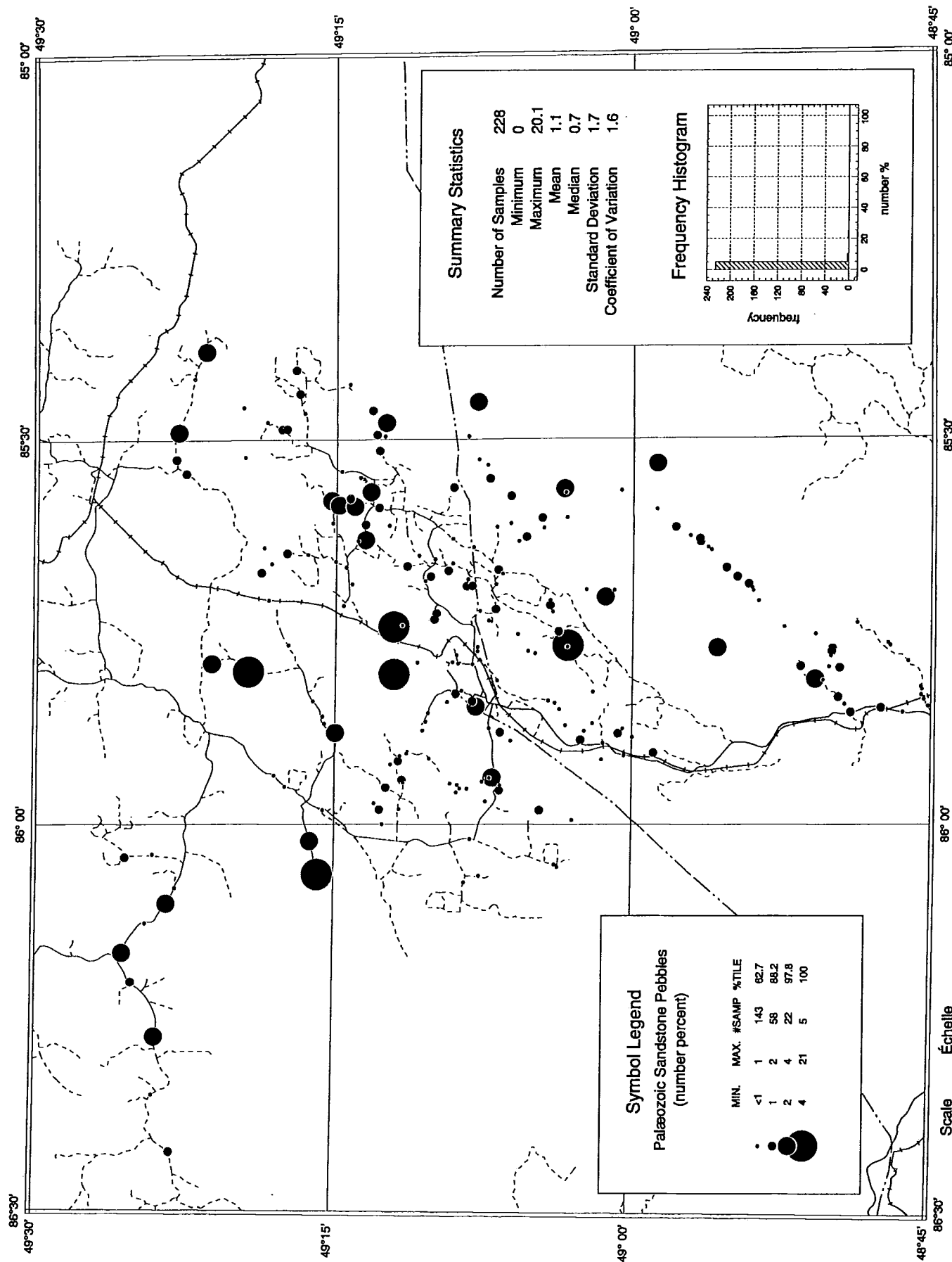
	Au <63 μm
Au <63 μm	1

APPENDIX C

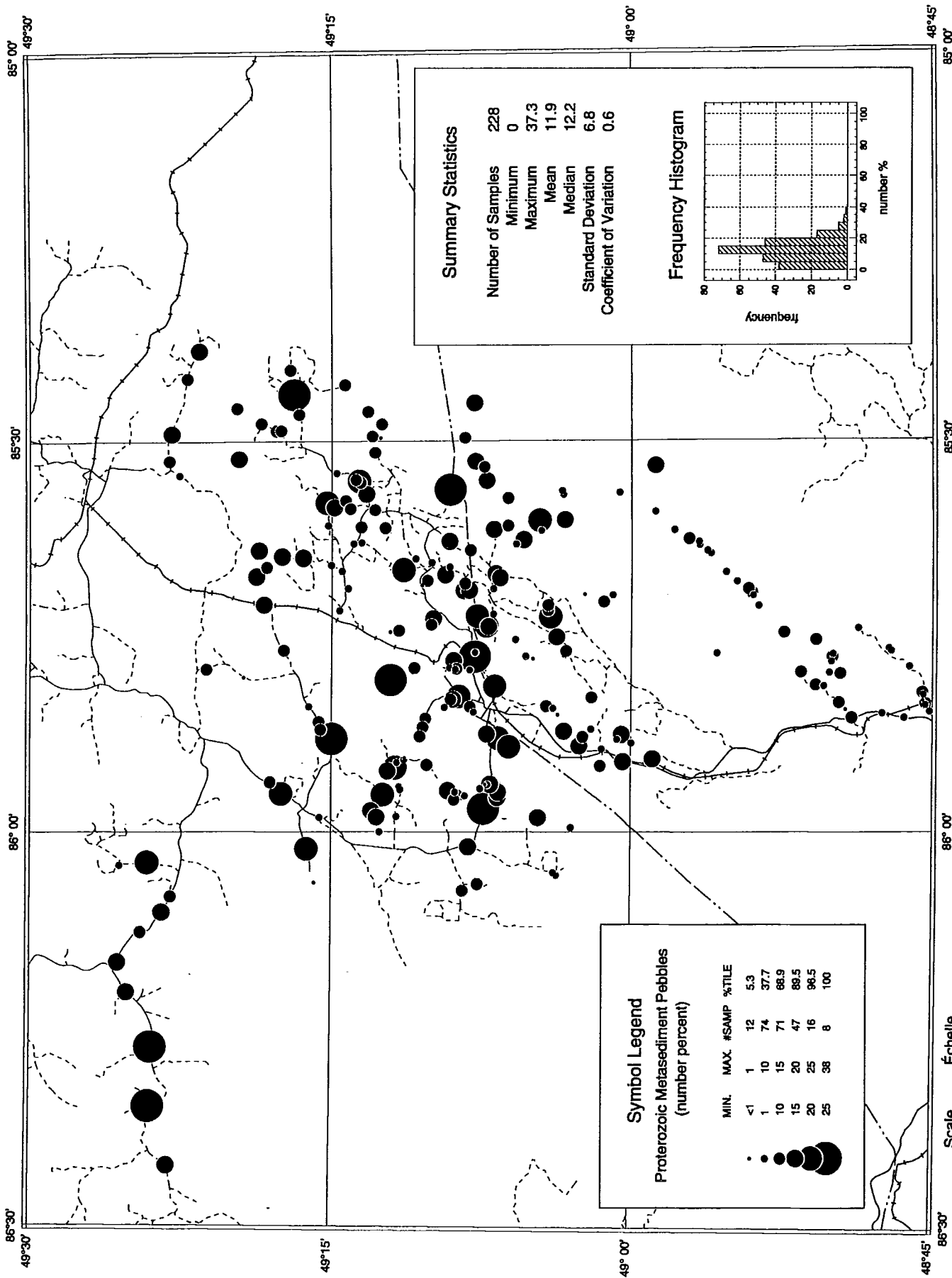
**Maps Showing Distribution of Selected Paleozoic and Precambrian Lithologies
in the Pebble Fraction (5.0-16.0 mm) and Trace and Minor Elements in the
<2 μm and <63 μm Fractions of Till**



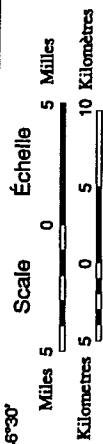
Palaeozoic carbonate pebbles in till

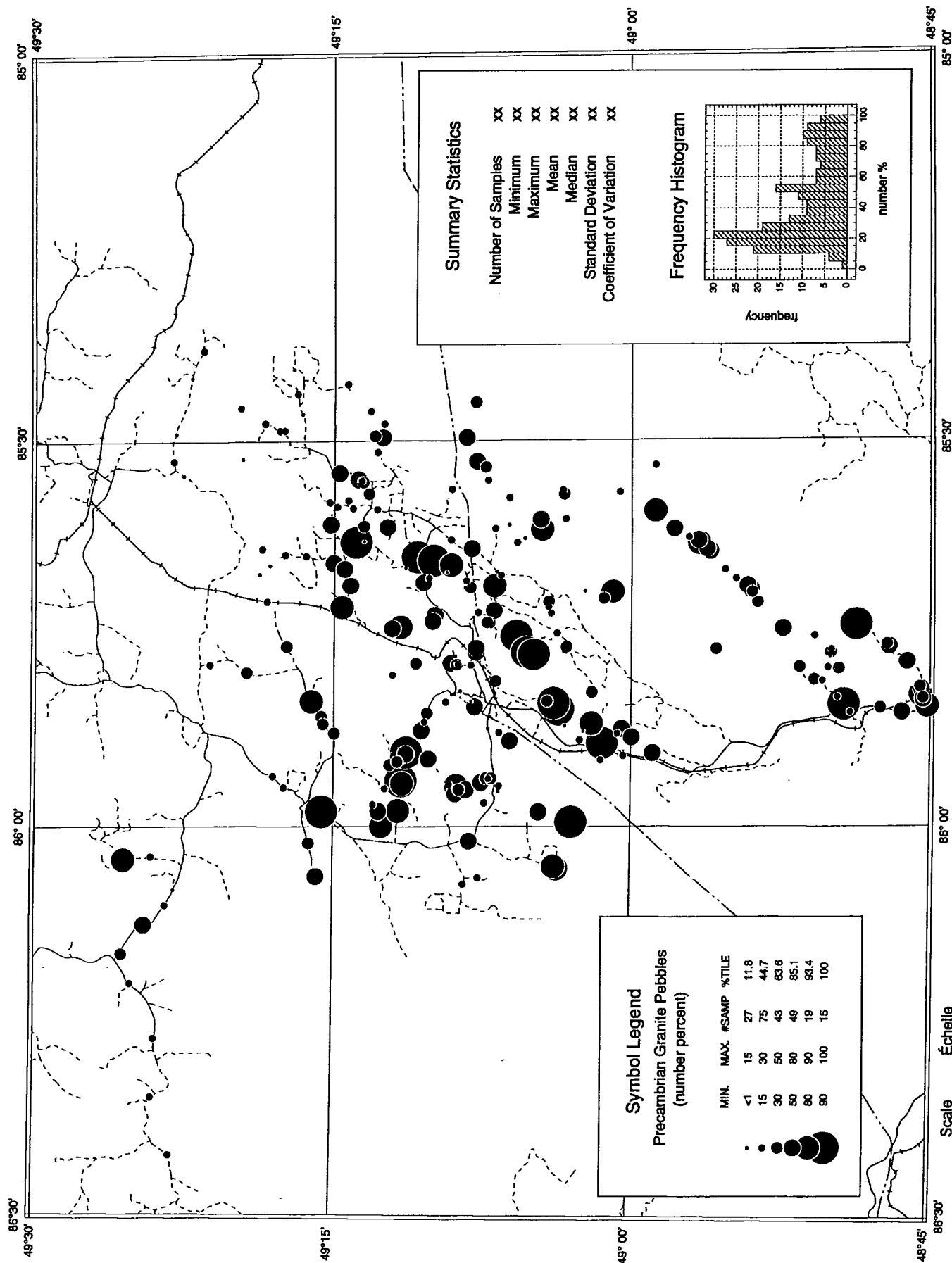


Palaeozoic sandstone pebbles in till

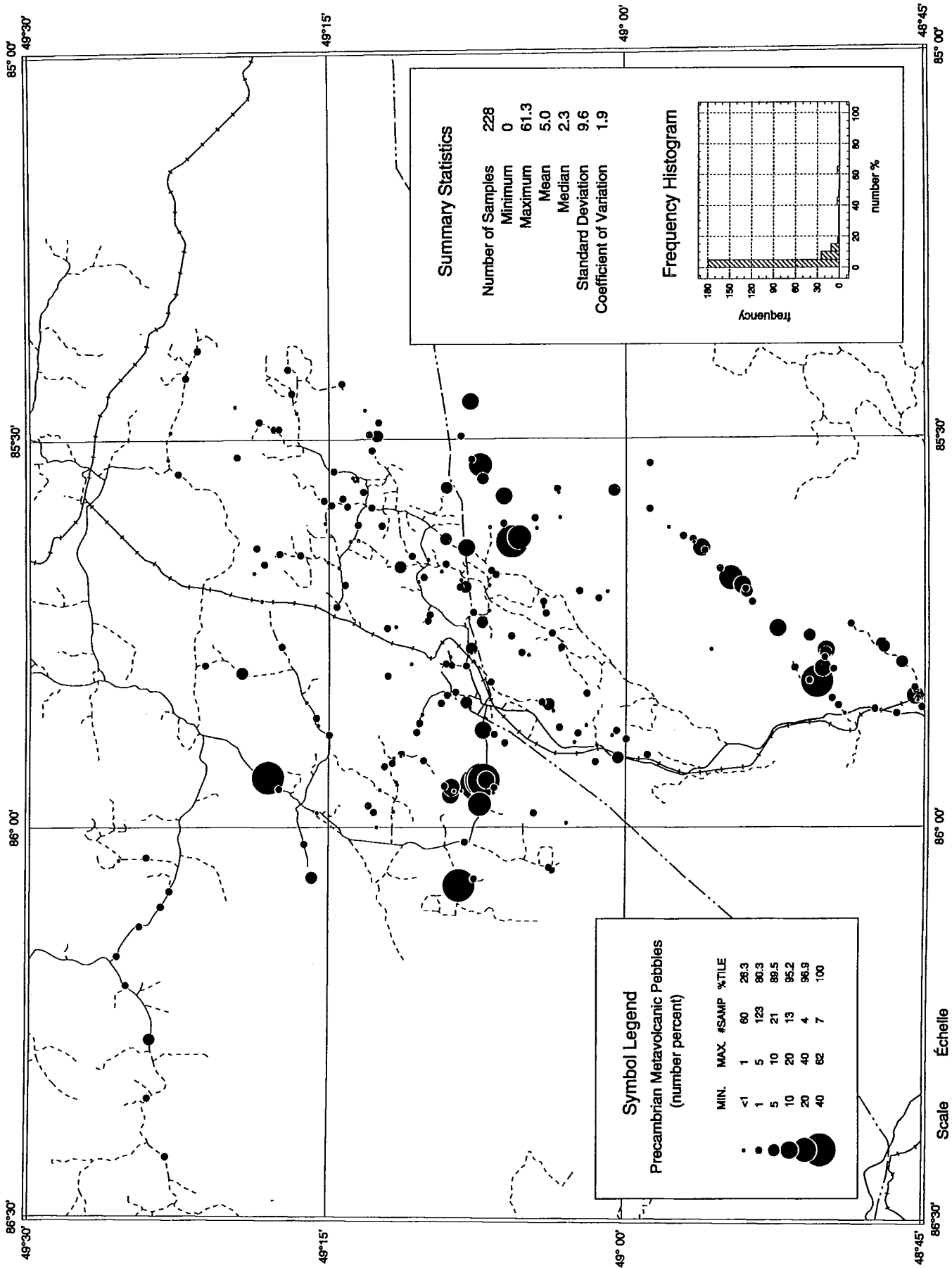


Proterozoic metasediment pebbles in till

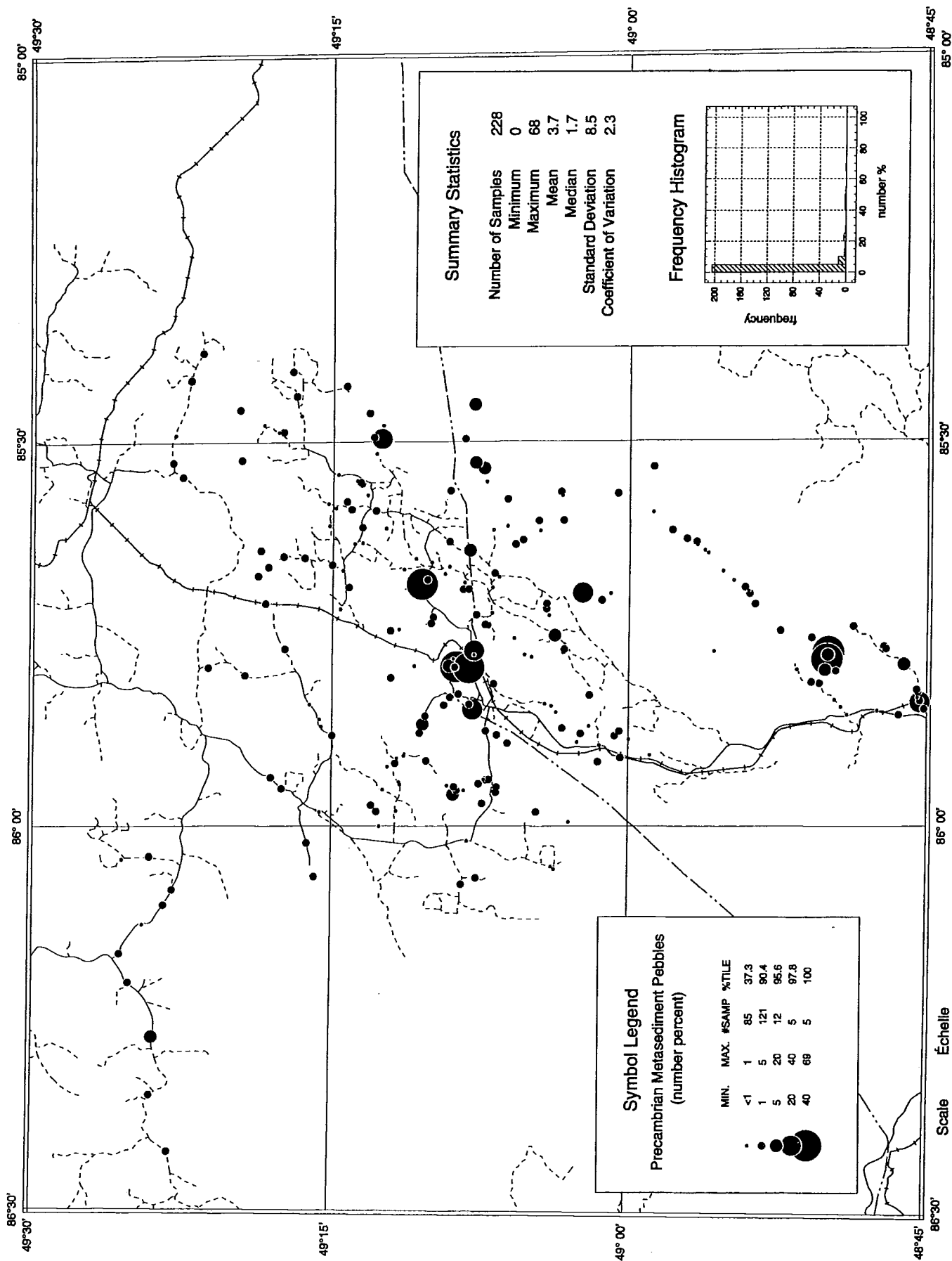




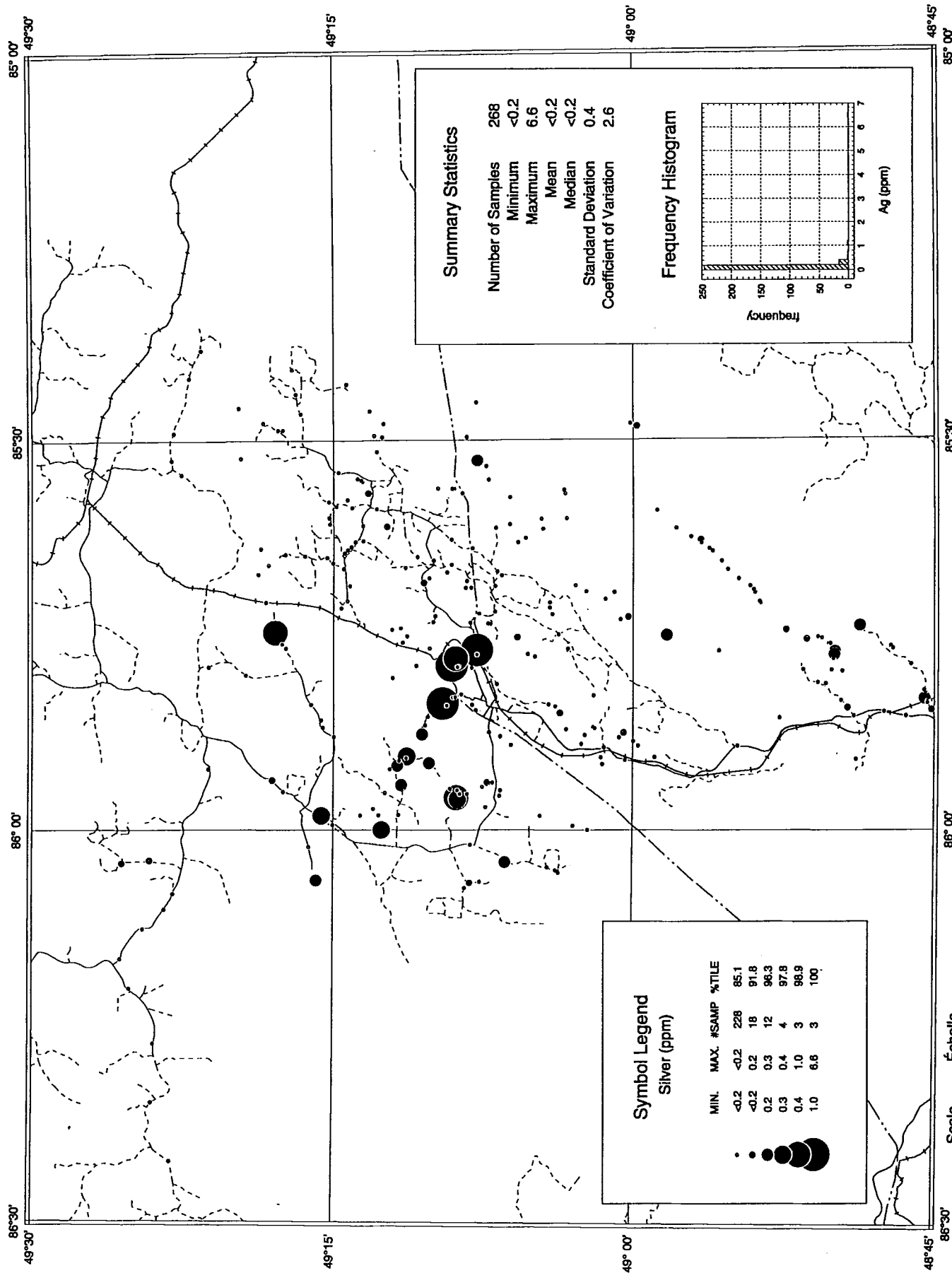
Precambrian granite pebbles in till



Precambrian metavolcanic pebbles in till



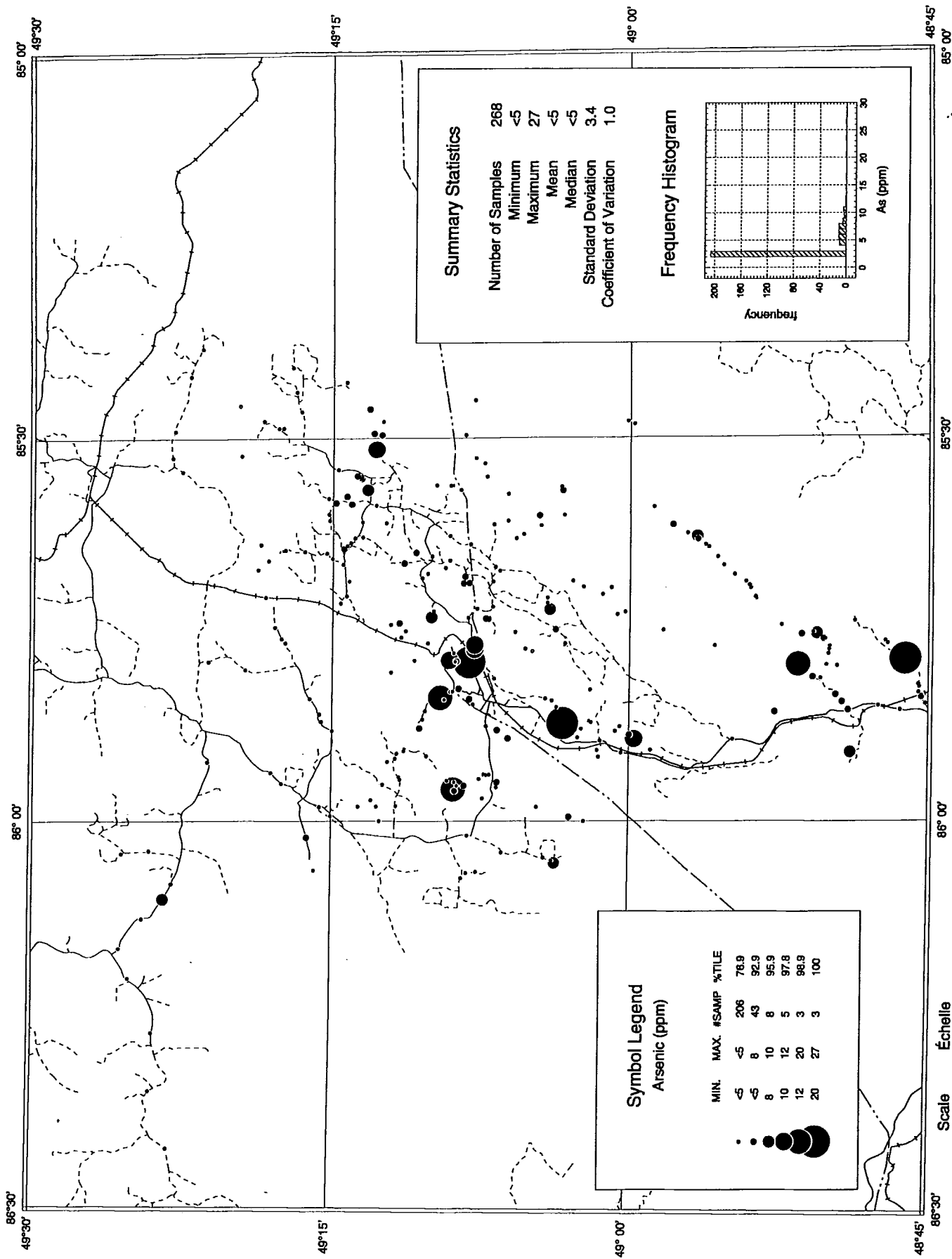
Other Precambrian metasediment pebbles in till



Silver in the <0.063 mm fraction of till

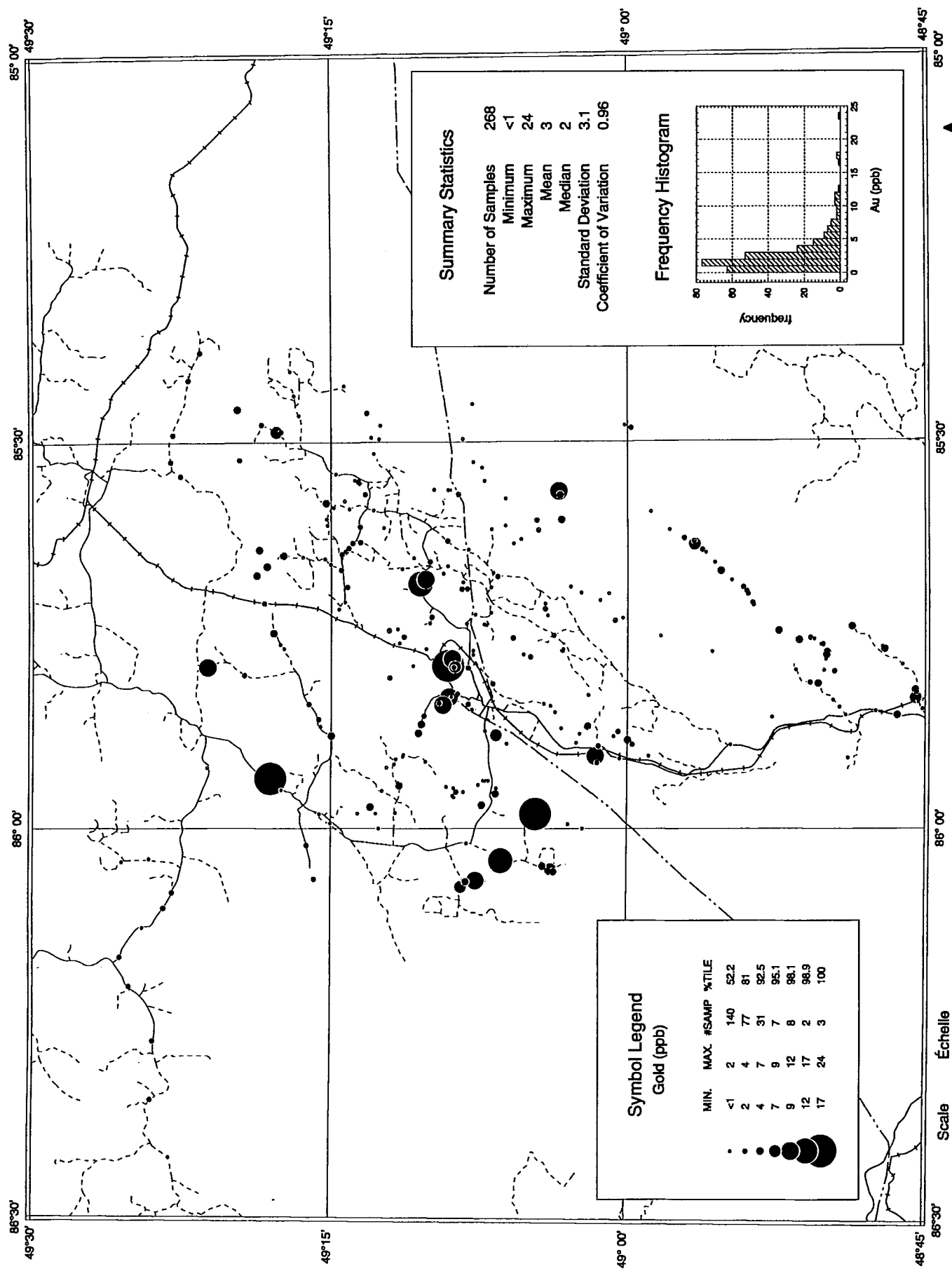
Ag





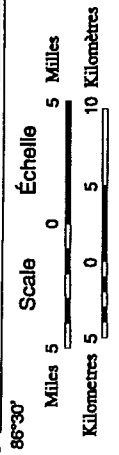
As

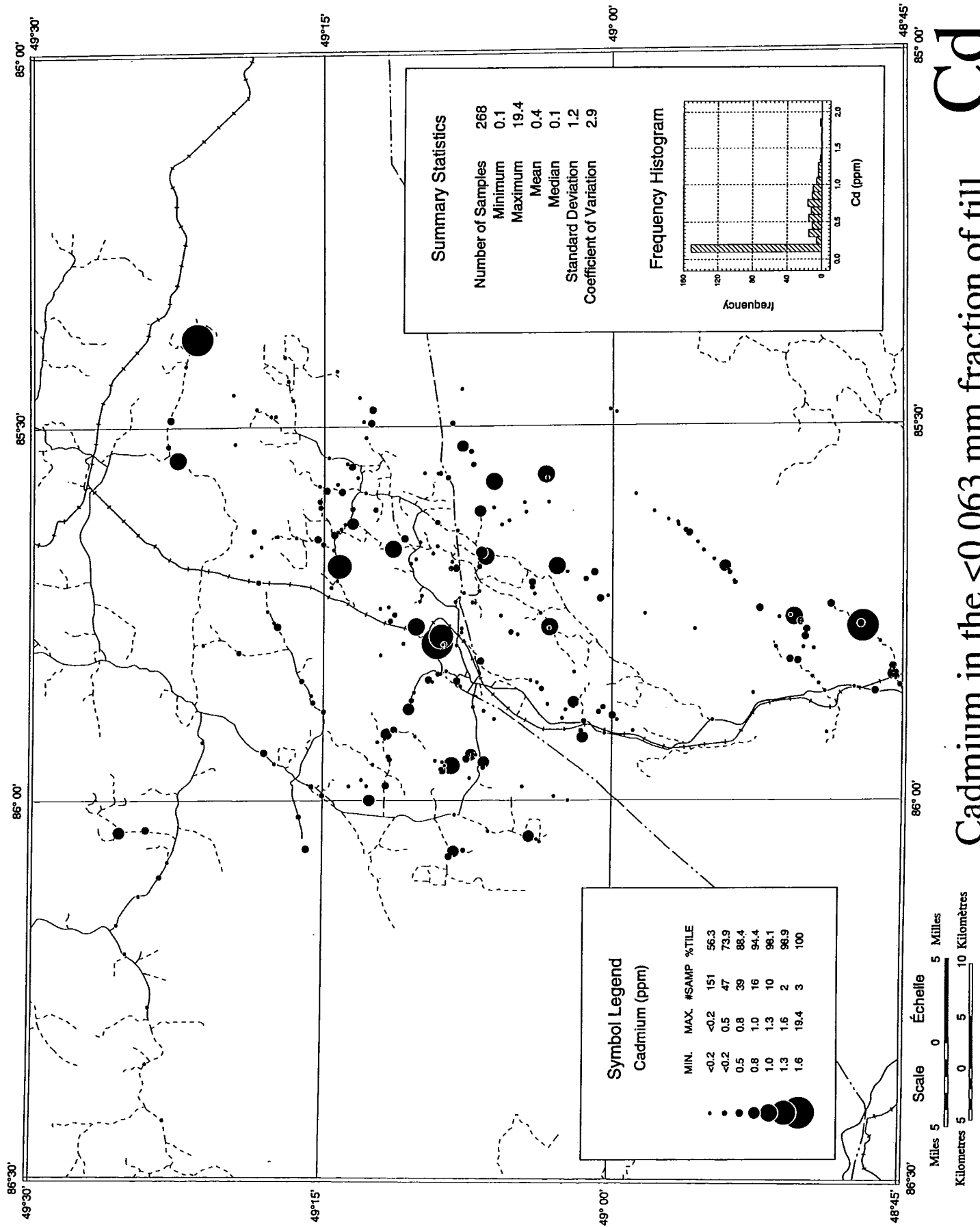
Arsenic in the <0.063 mm fraction of till

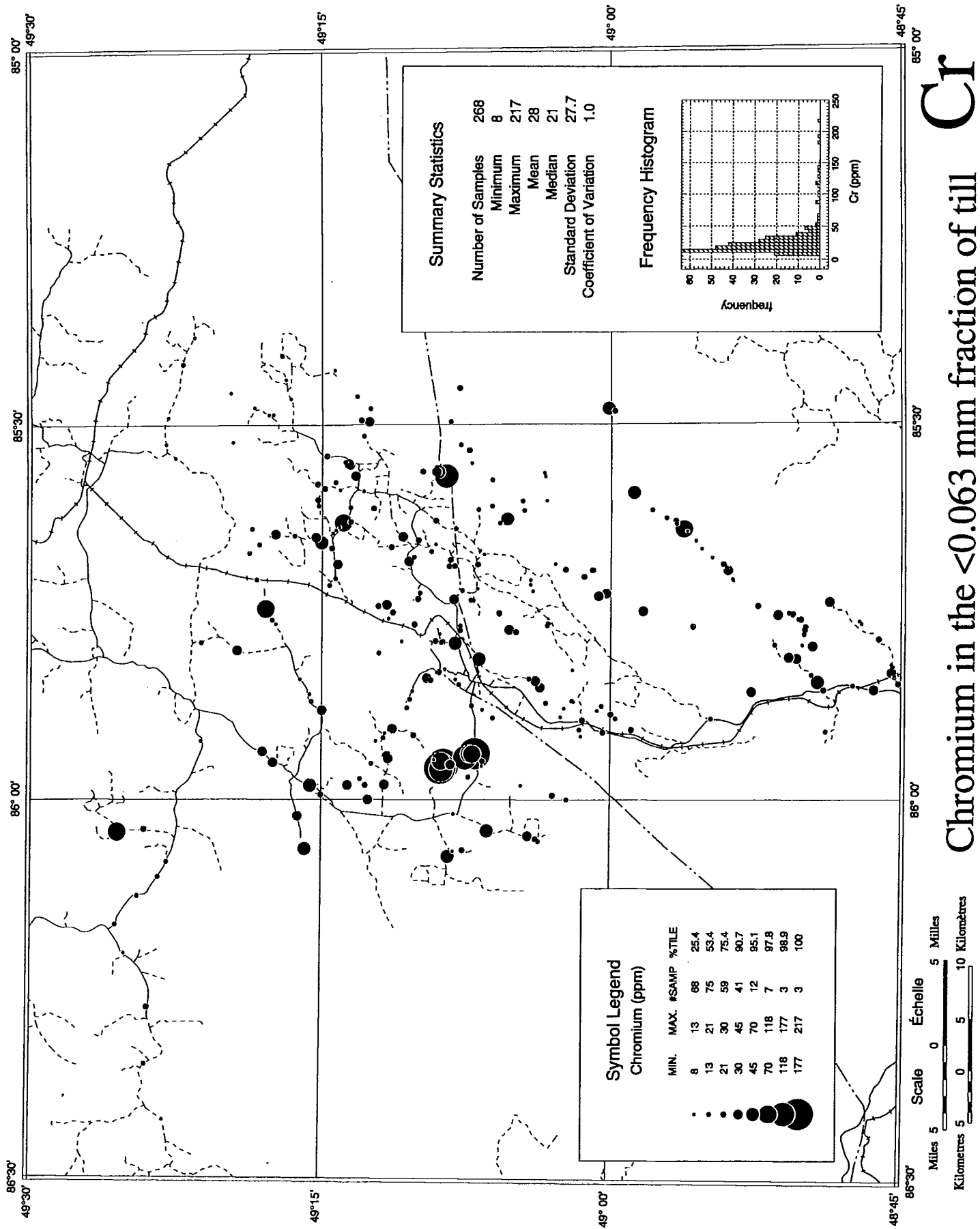


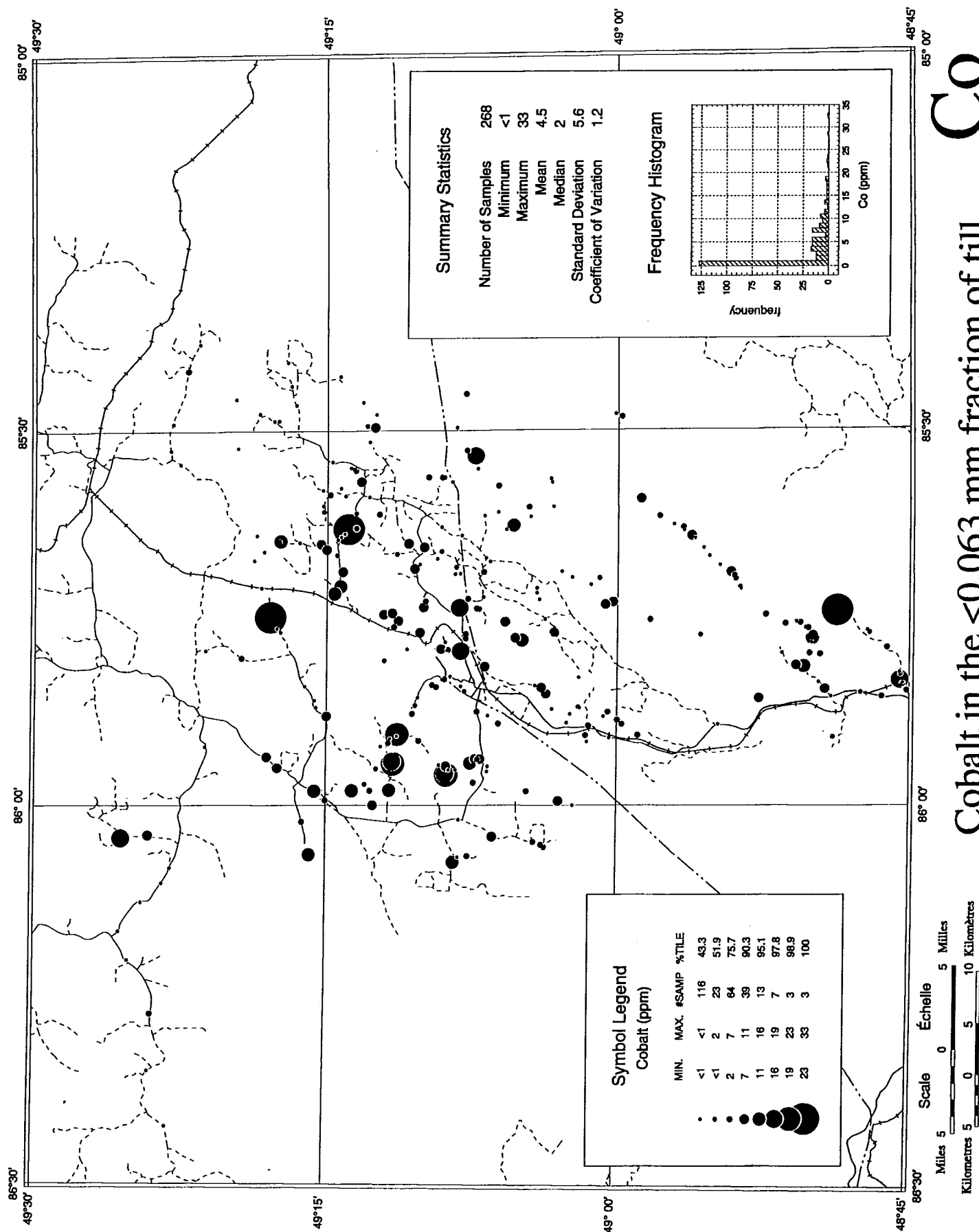
Au

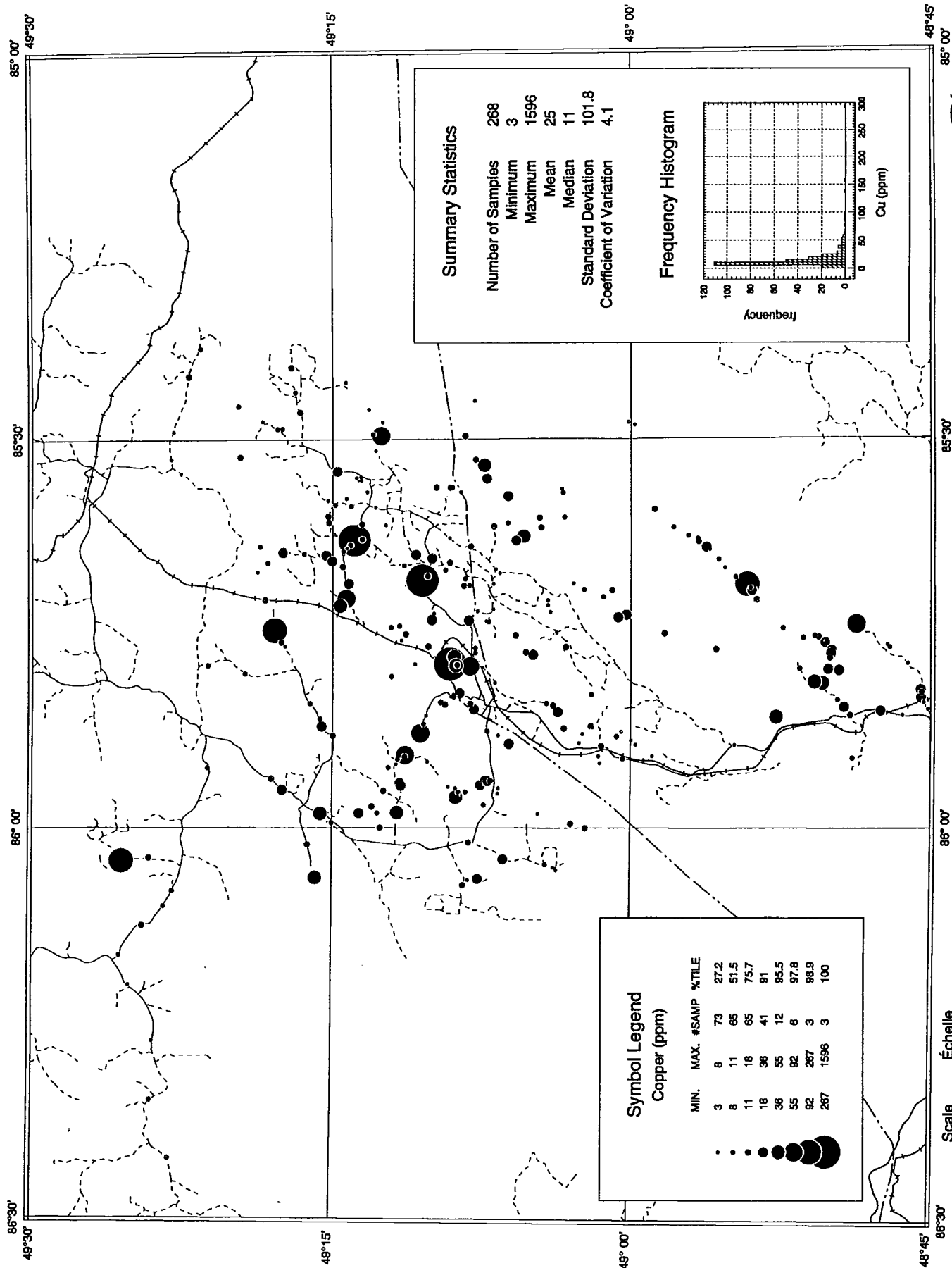
Gold in the <0.063 mm fraction of till





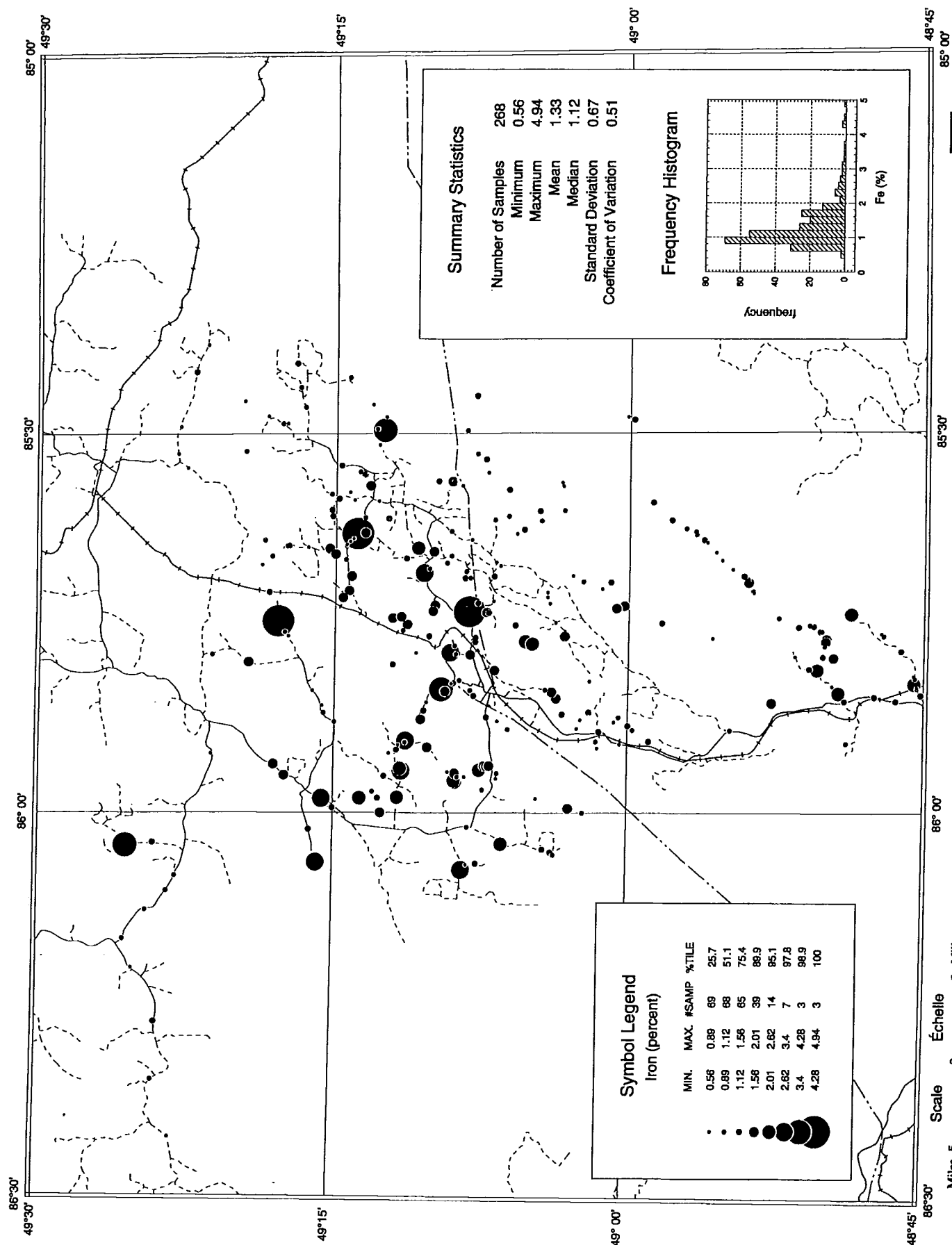






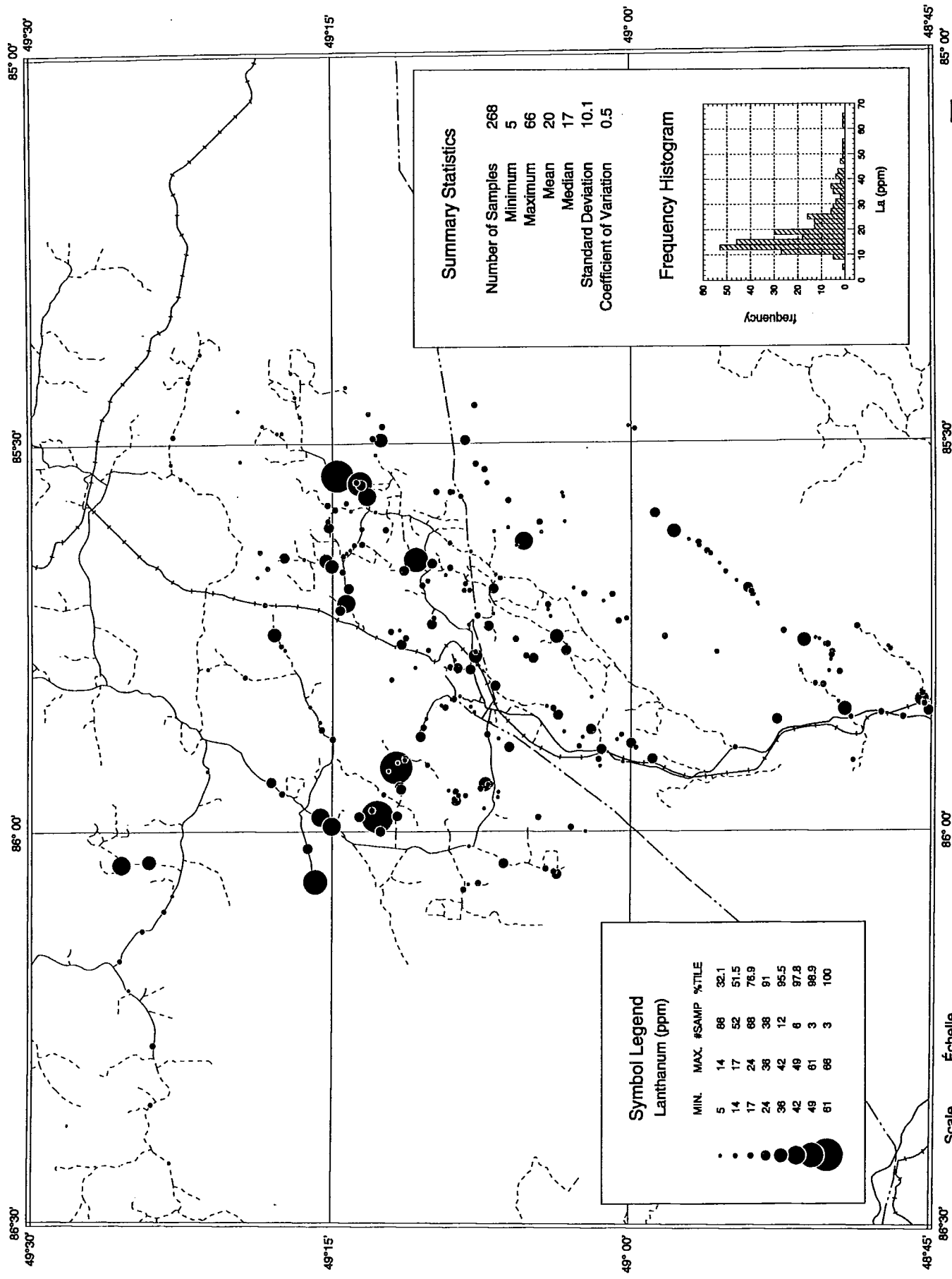
Cu

Copper in the <0.063 mm fraction of till



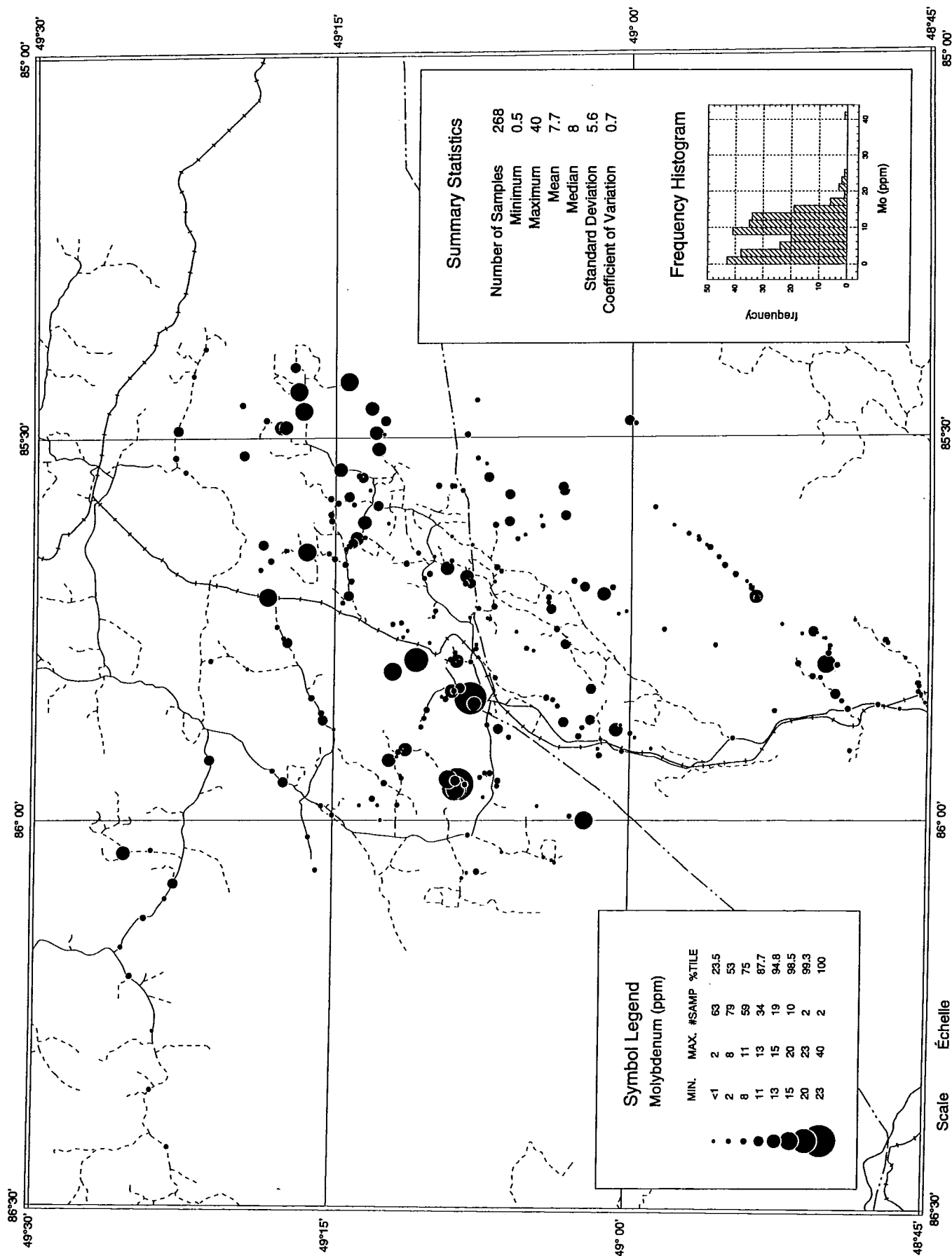
Fe

Iron in the <0.063 mm fraction of till



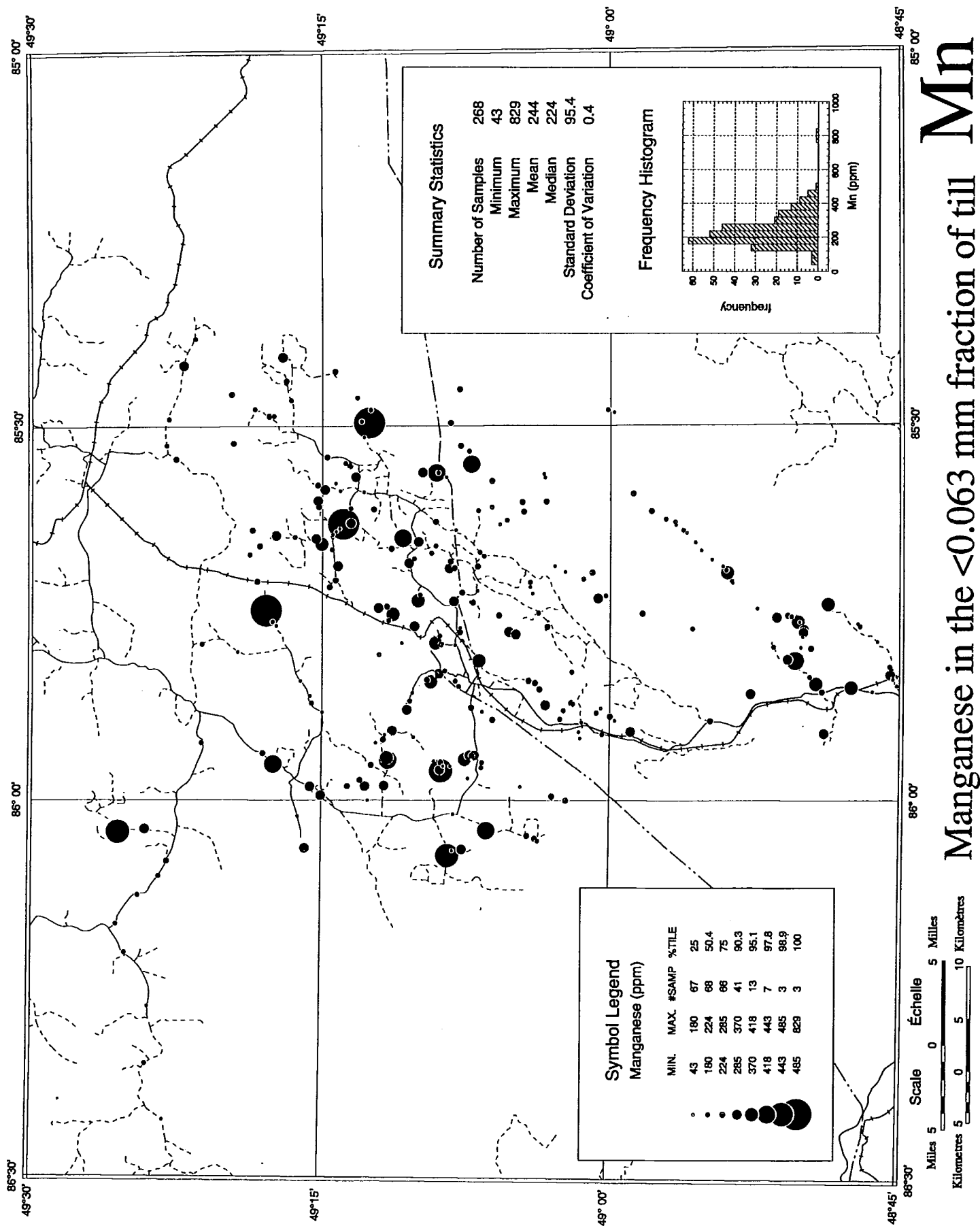
Lanthanum in the <0.063 mm fraction of till

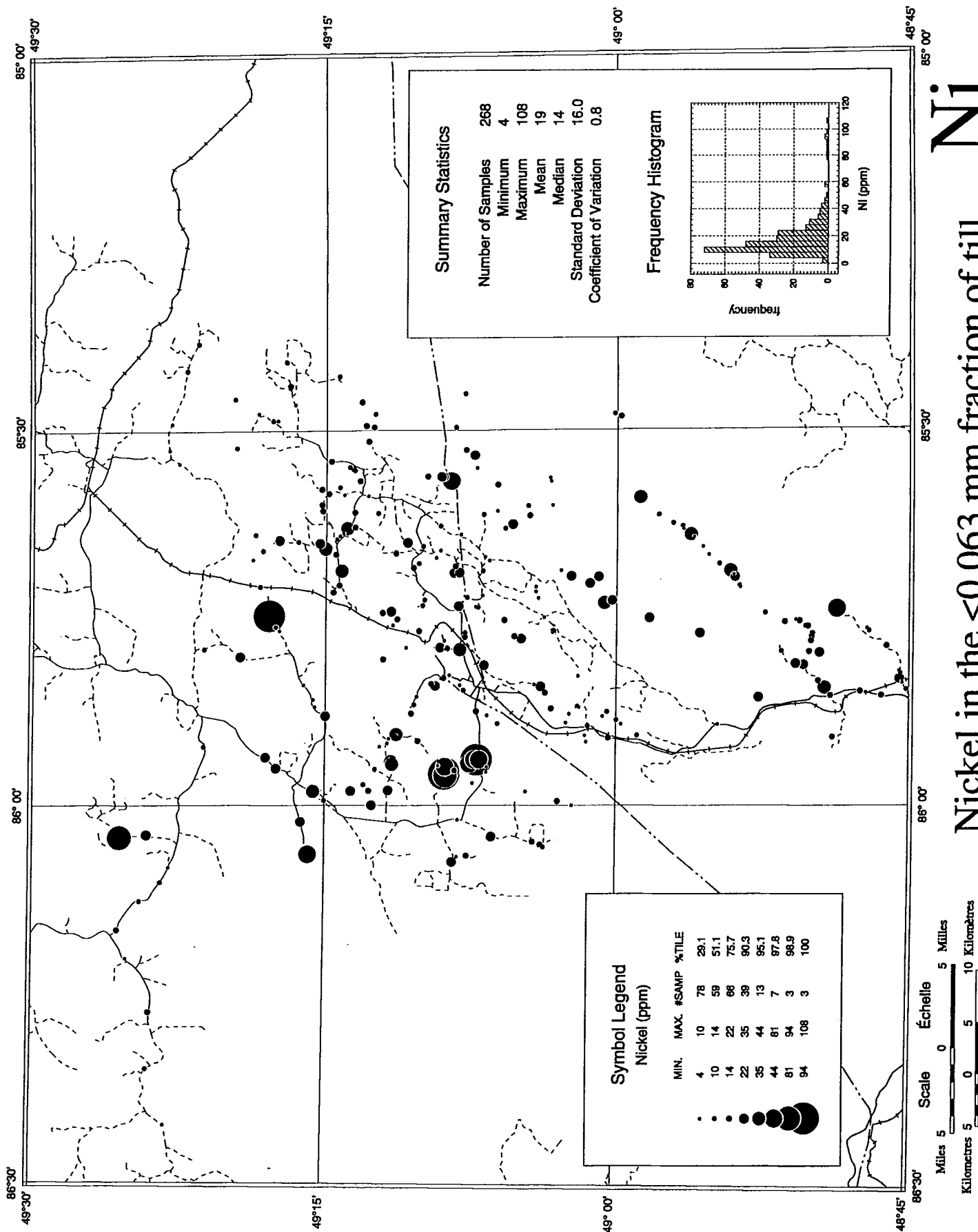
La

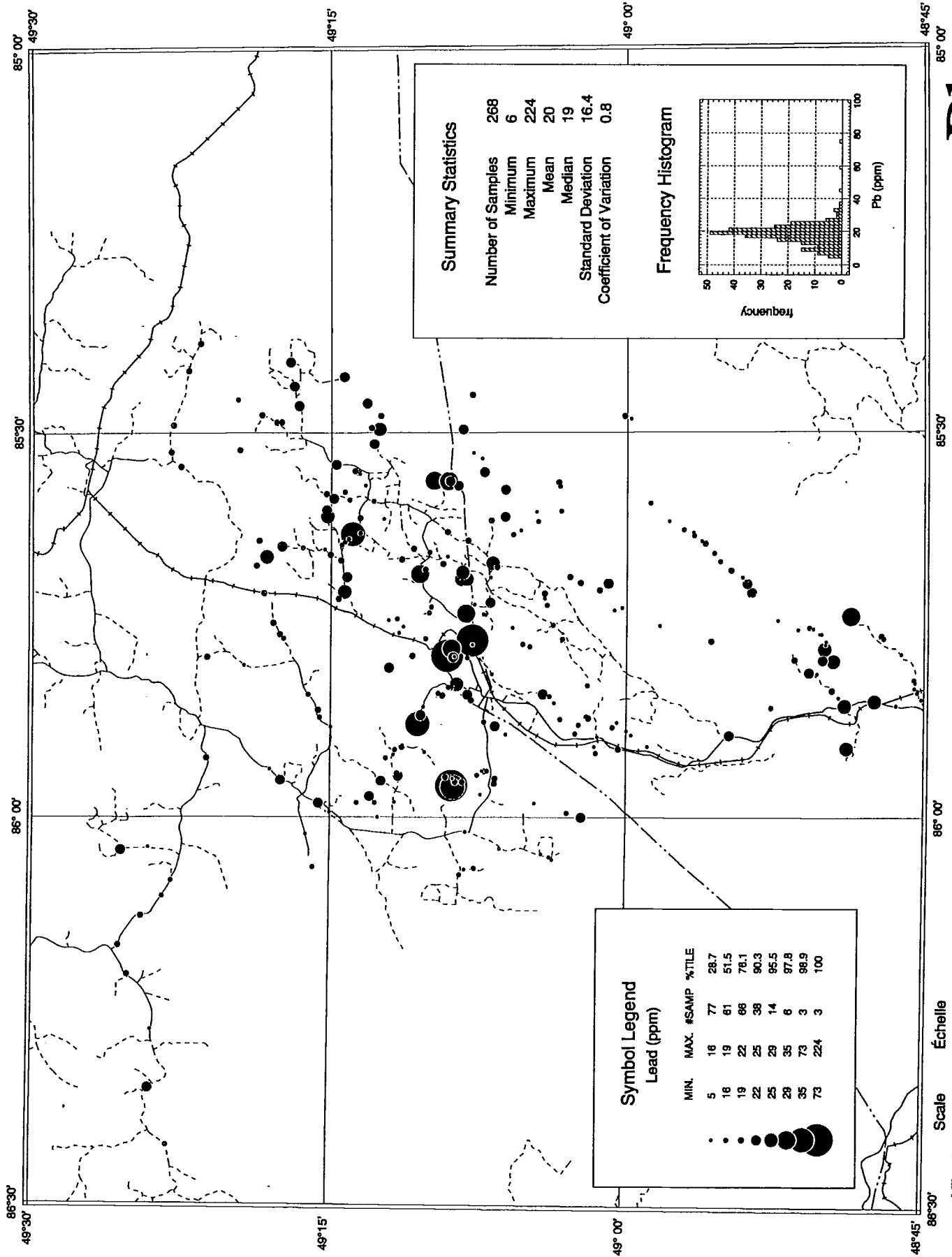


Molybdenum in the <0.063 mm fraction of till

Mo

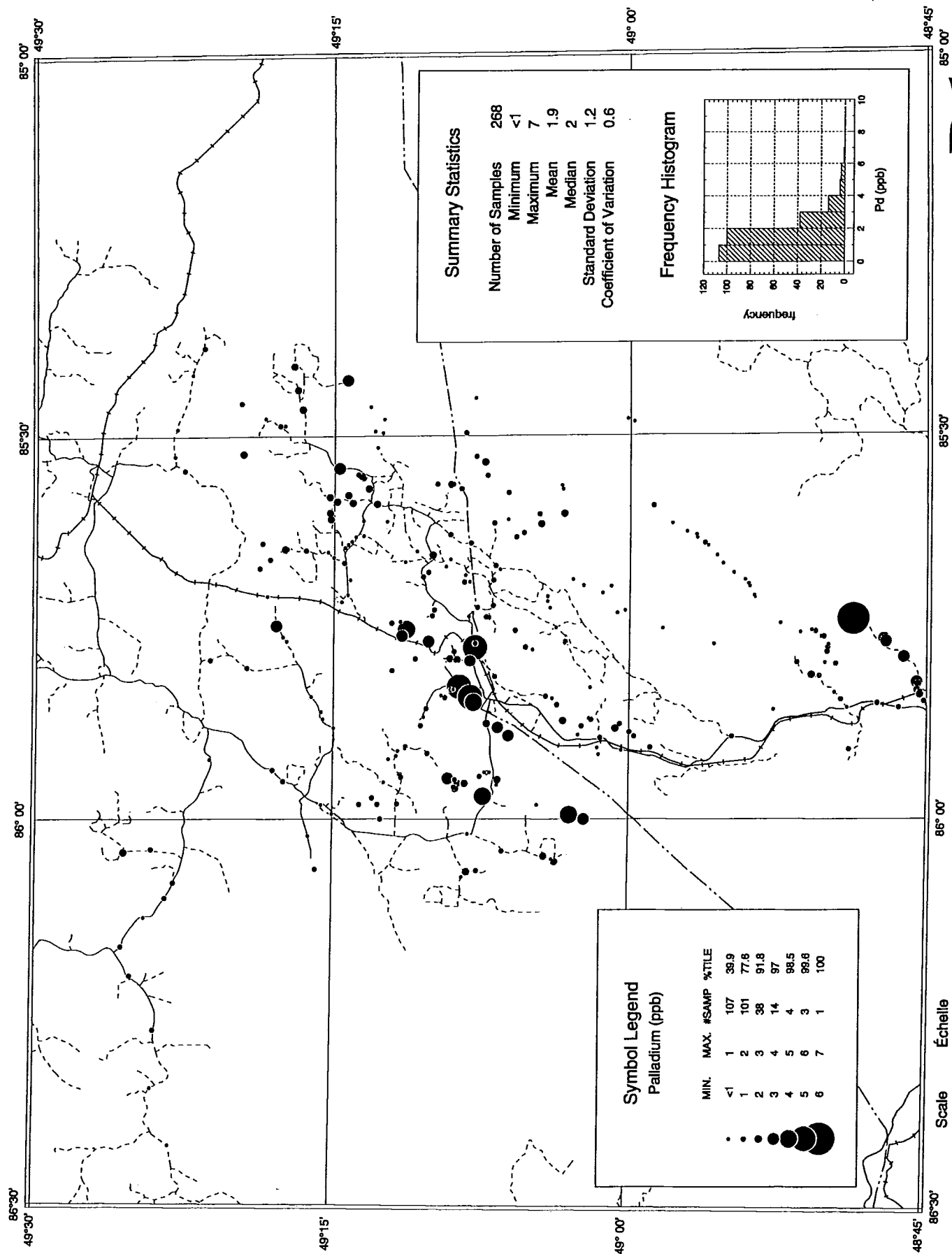






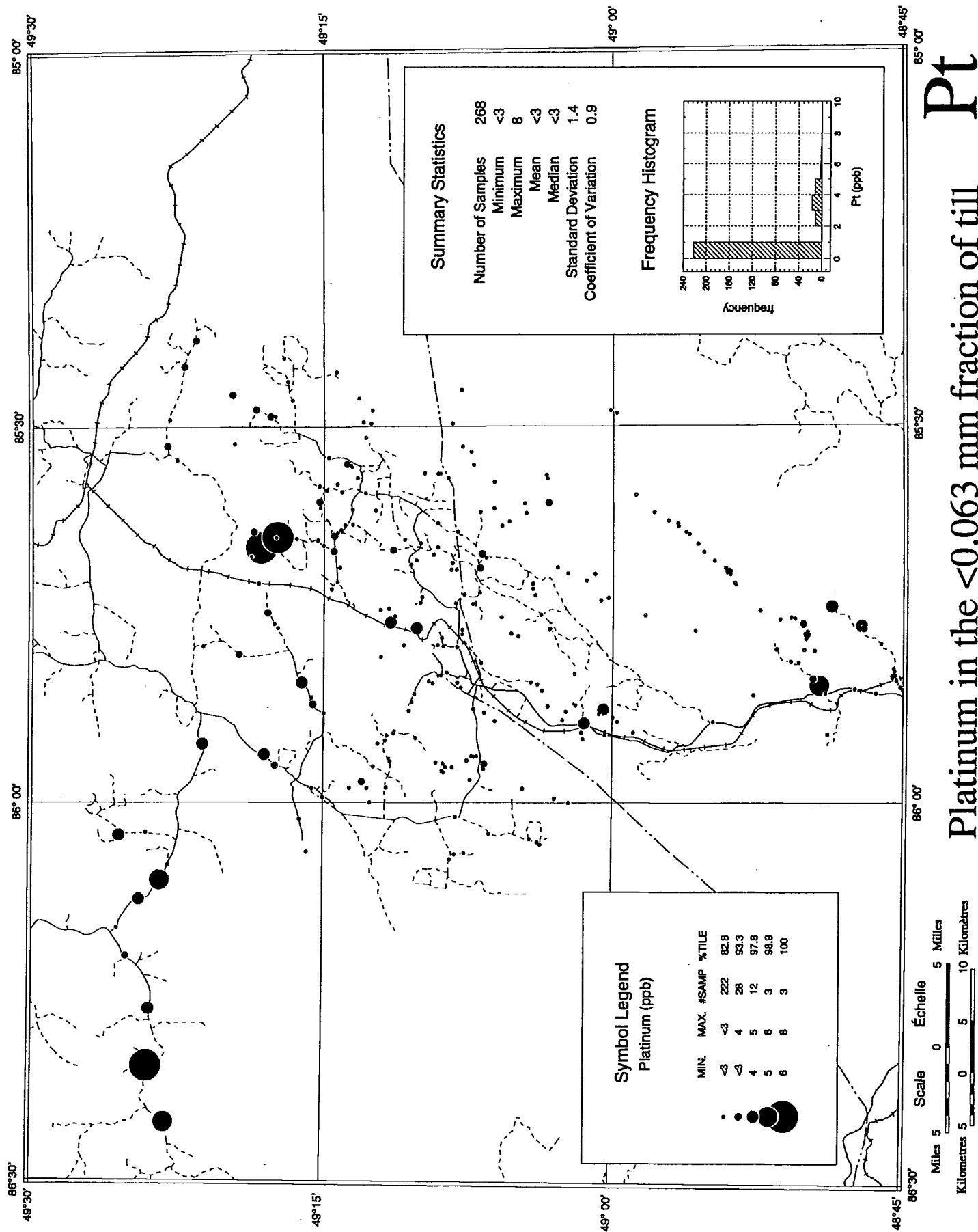
Pb

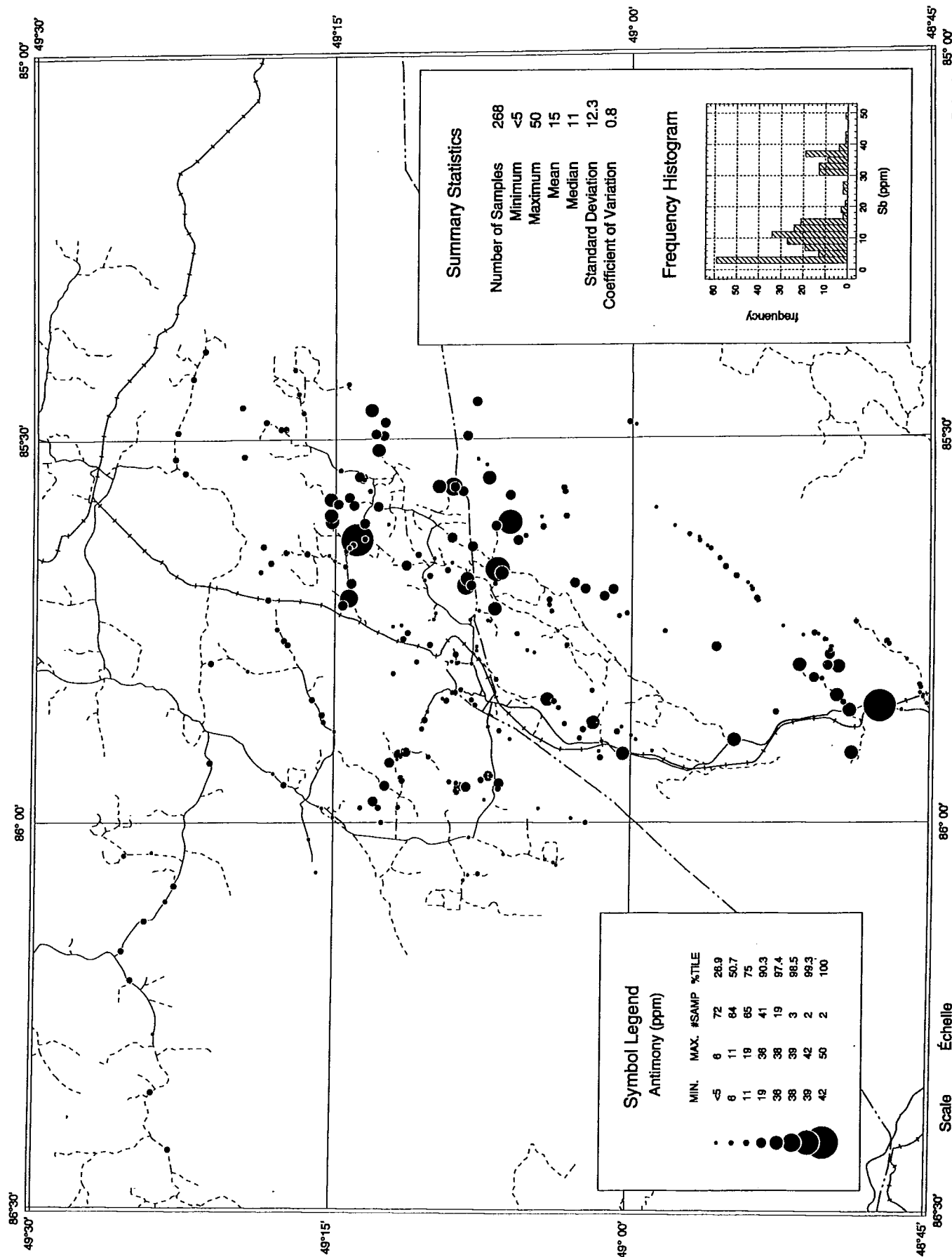
Lead in the <0.063 mm fraction of till



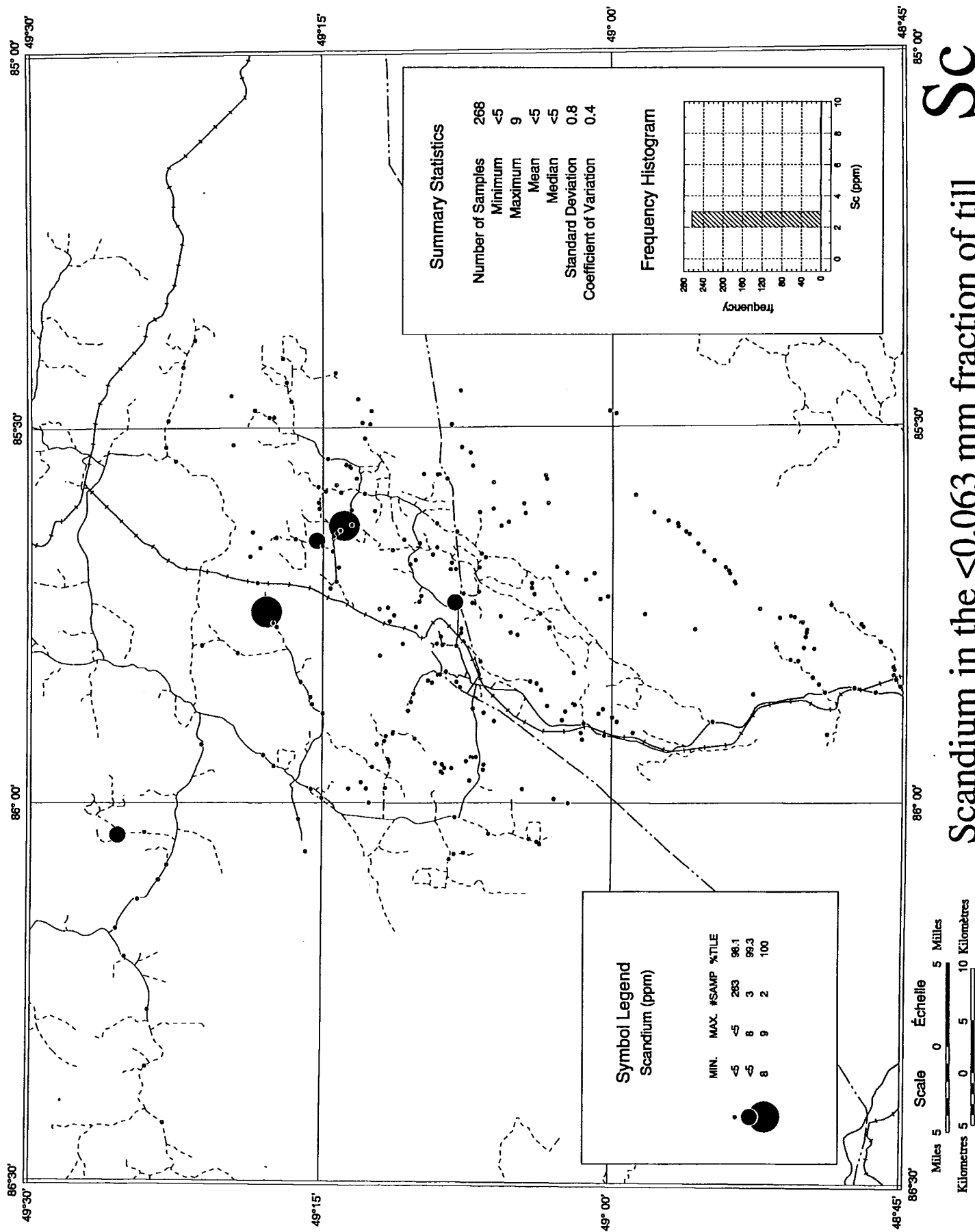
Pd

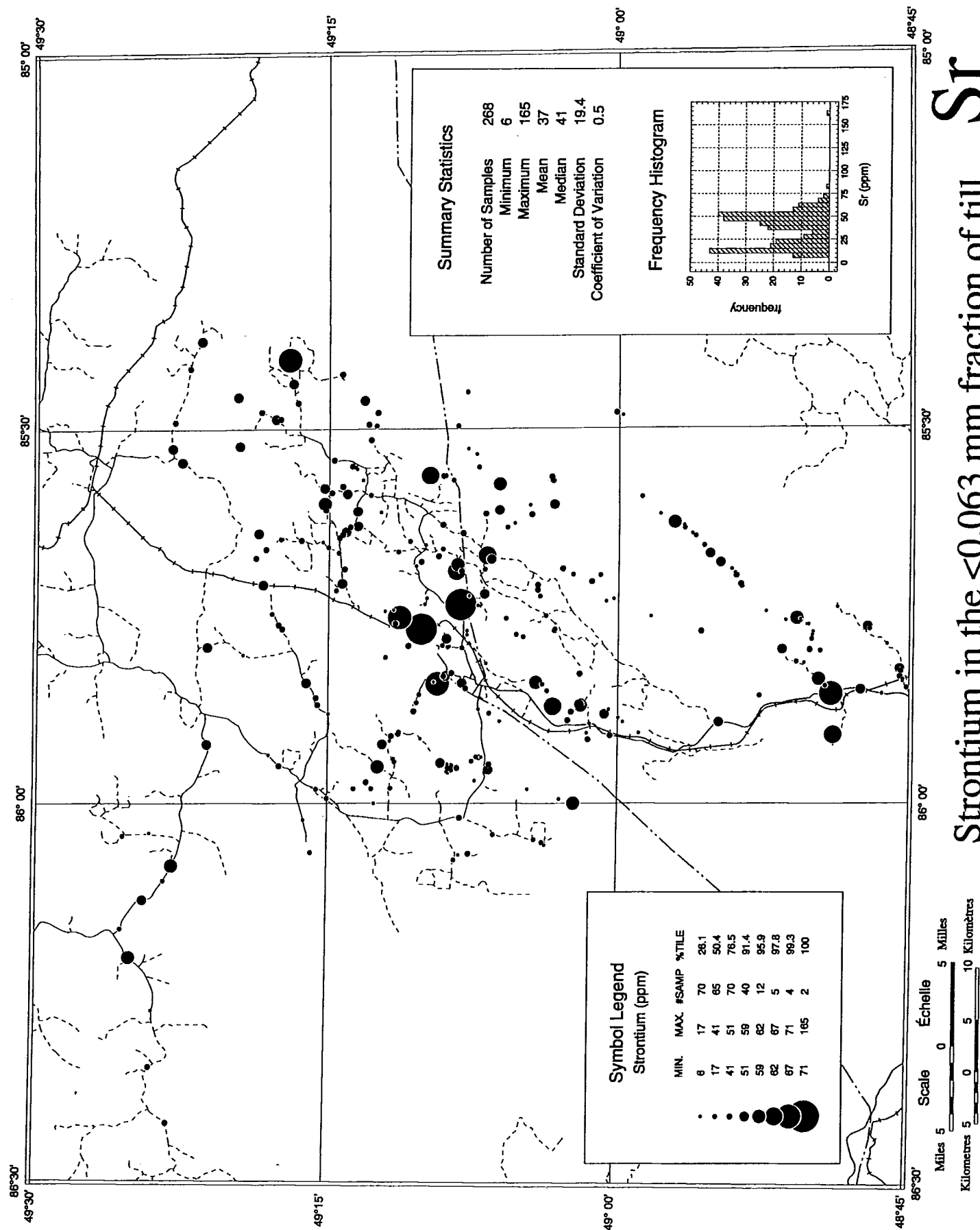
Palladium in the <0.063 mm fraction of till



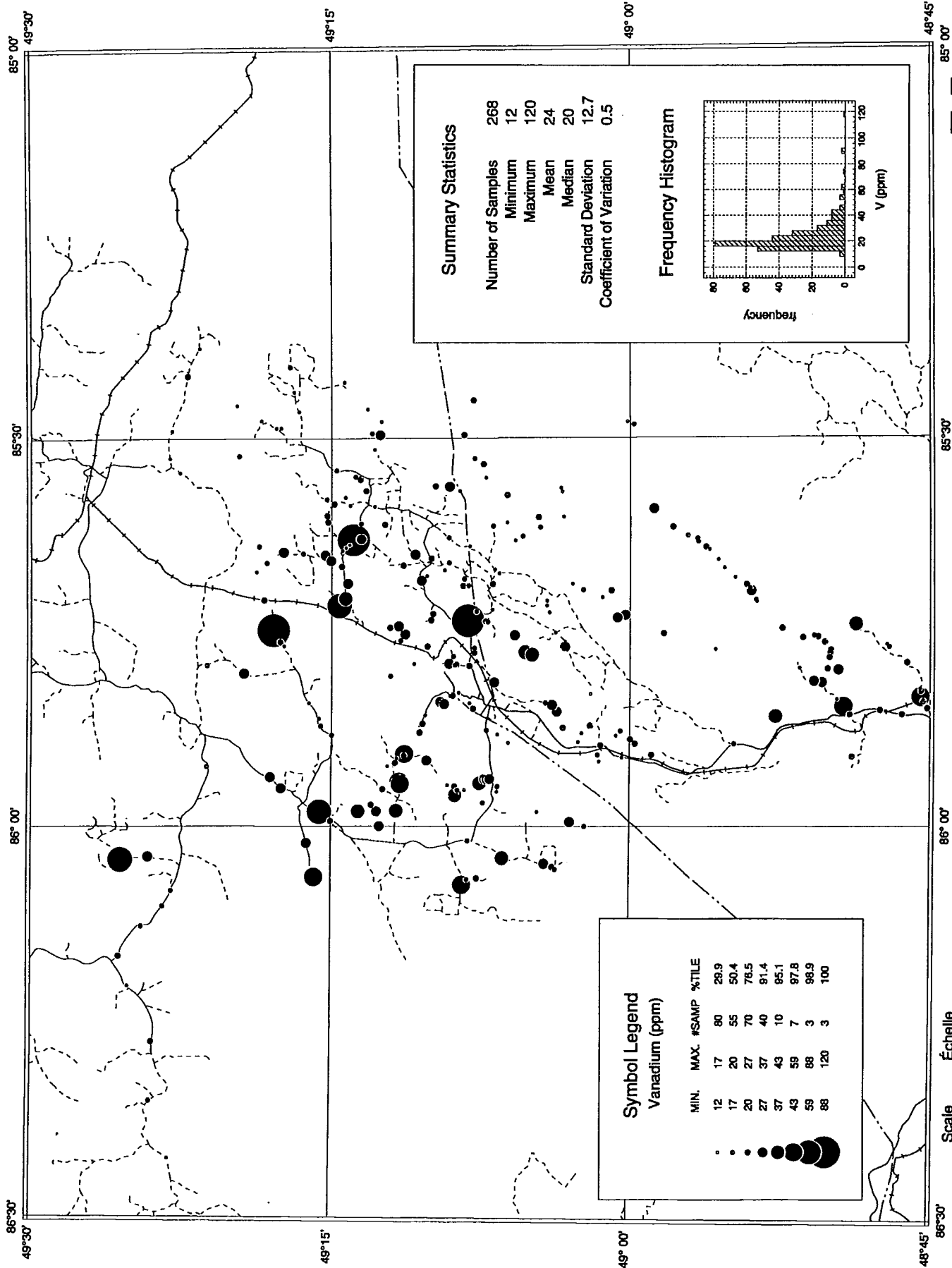


Sb
Antimony in the <0.063 mm fraction of till



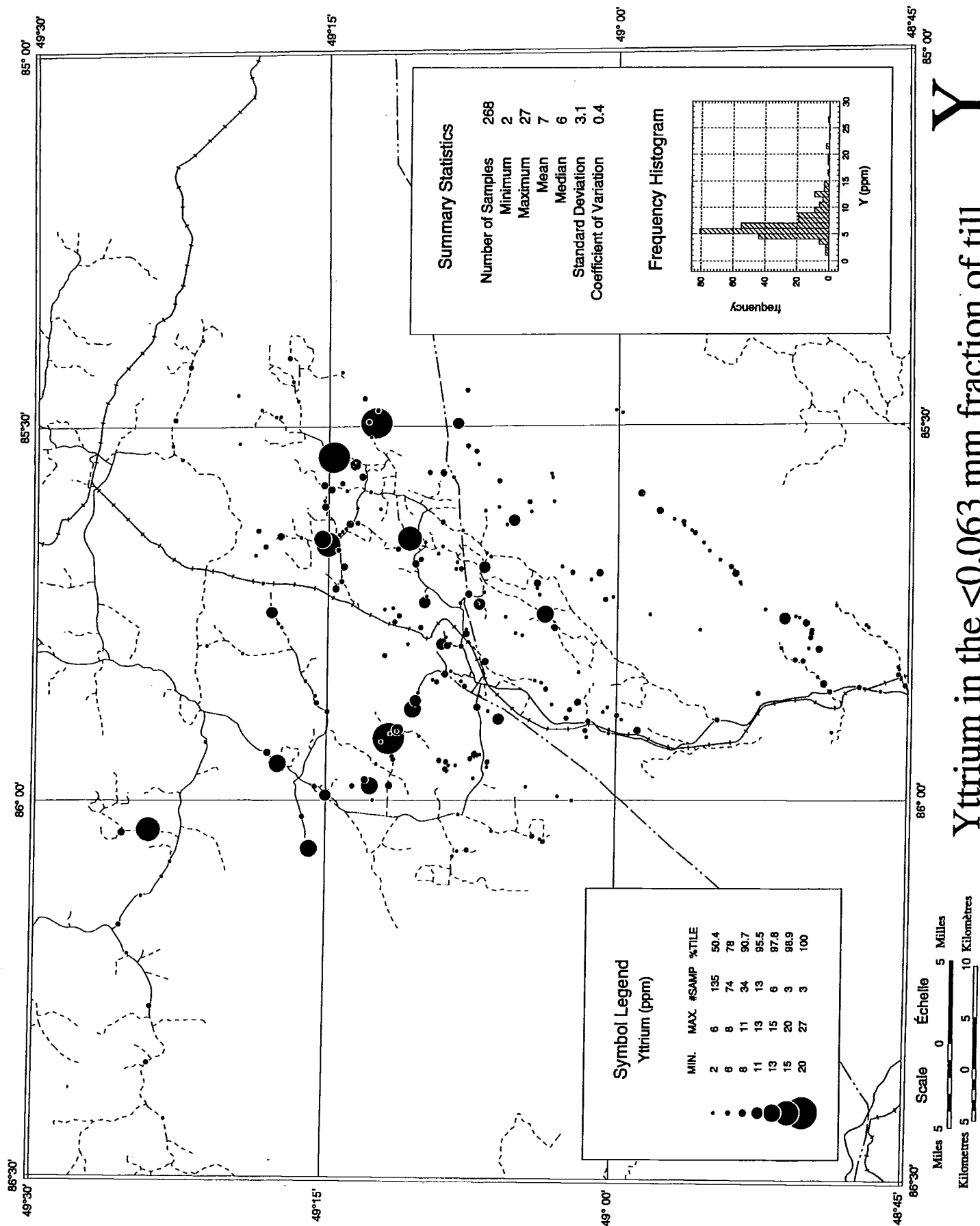


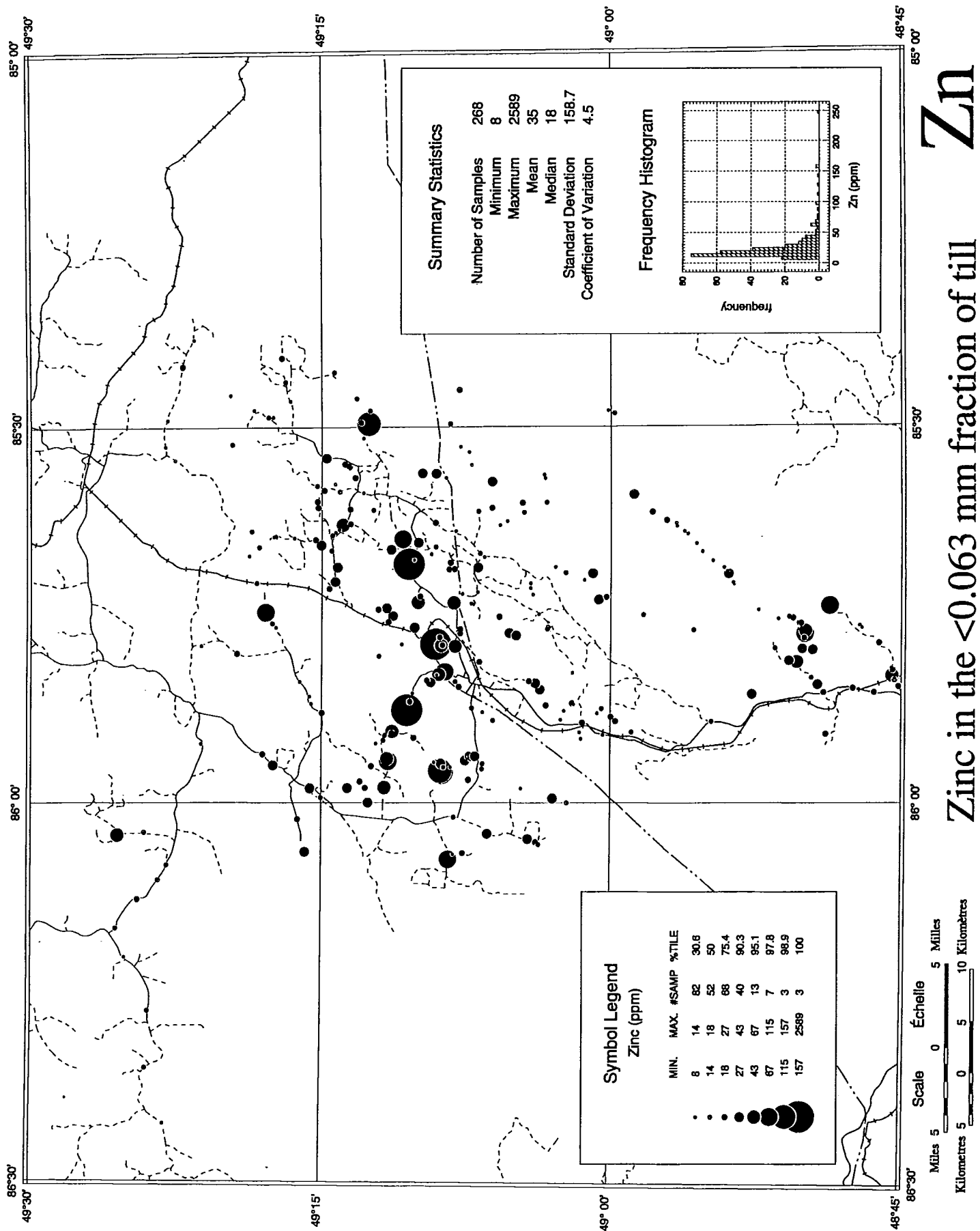
Sr
Strontium in the <0.063 mm fraction of till

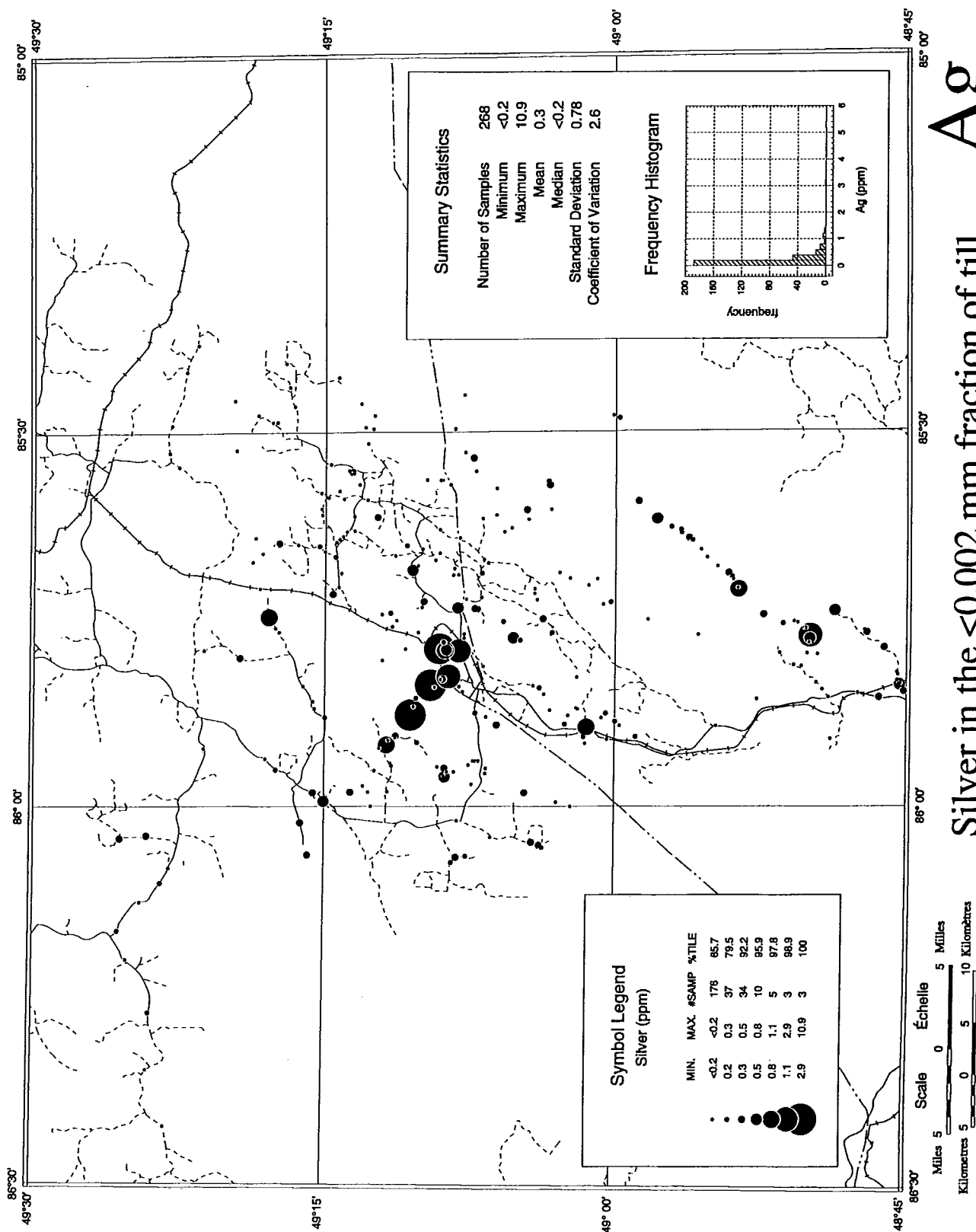


V

Vanadium in the <0.063 mm fraction of till

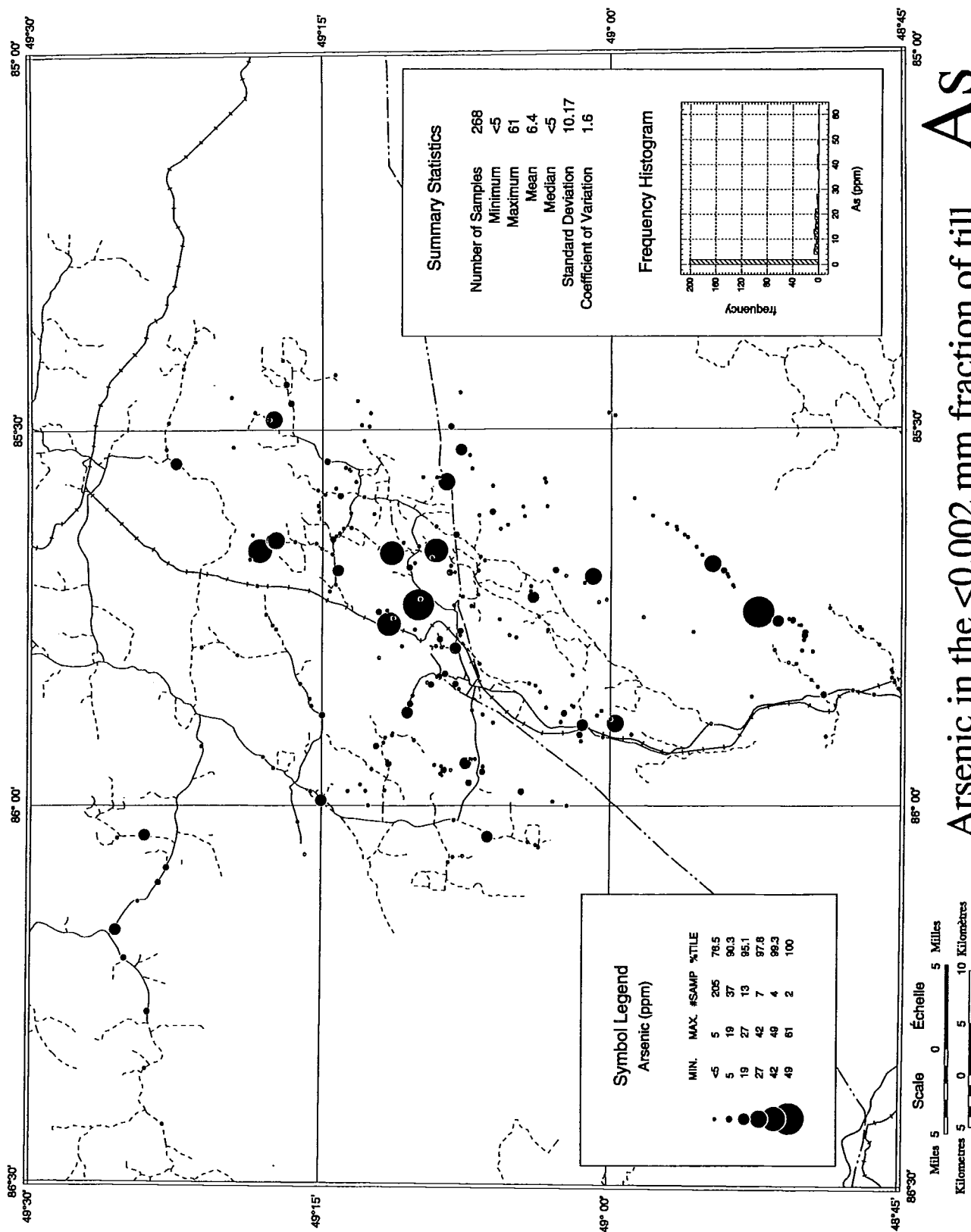


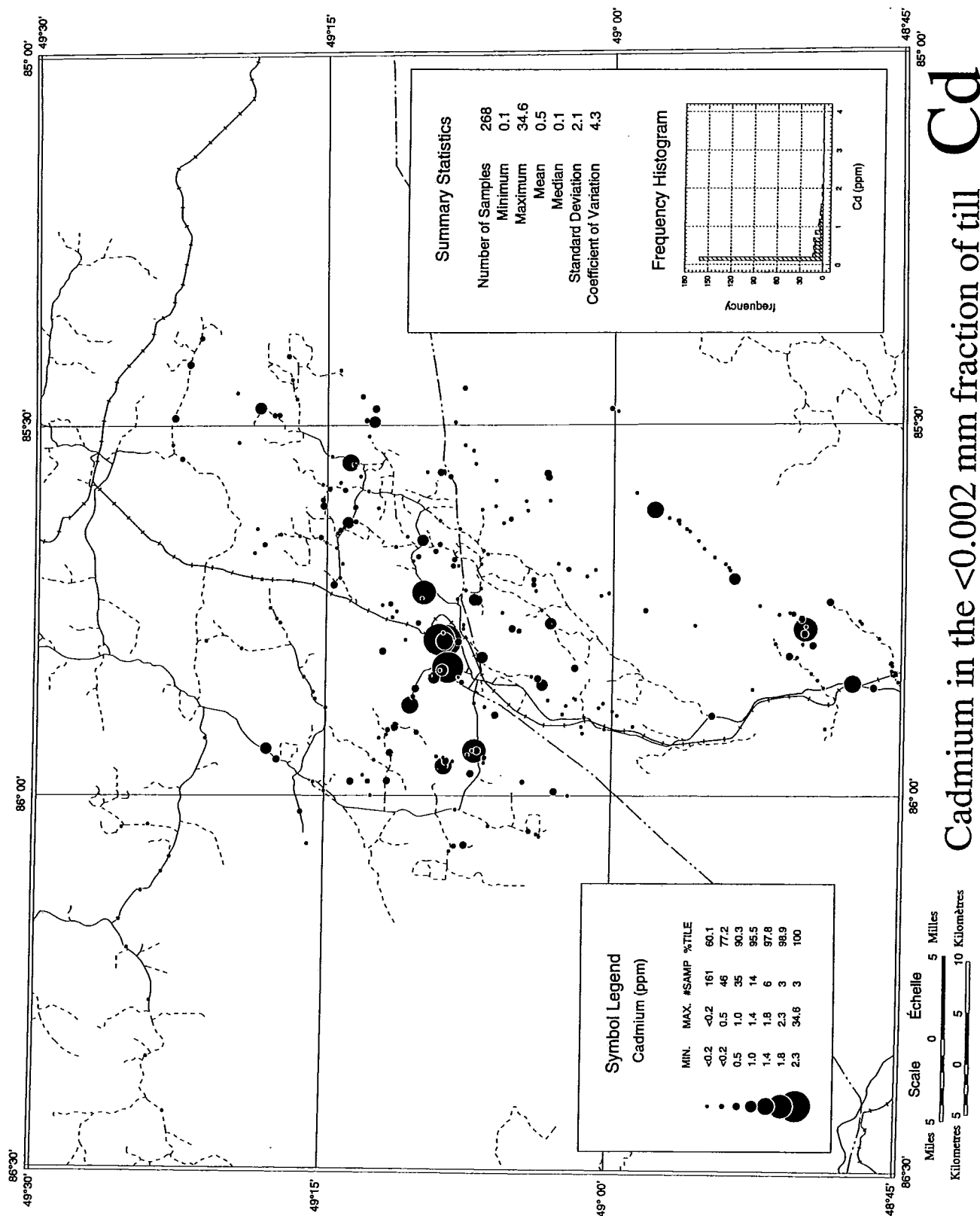


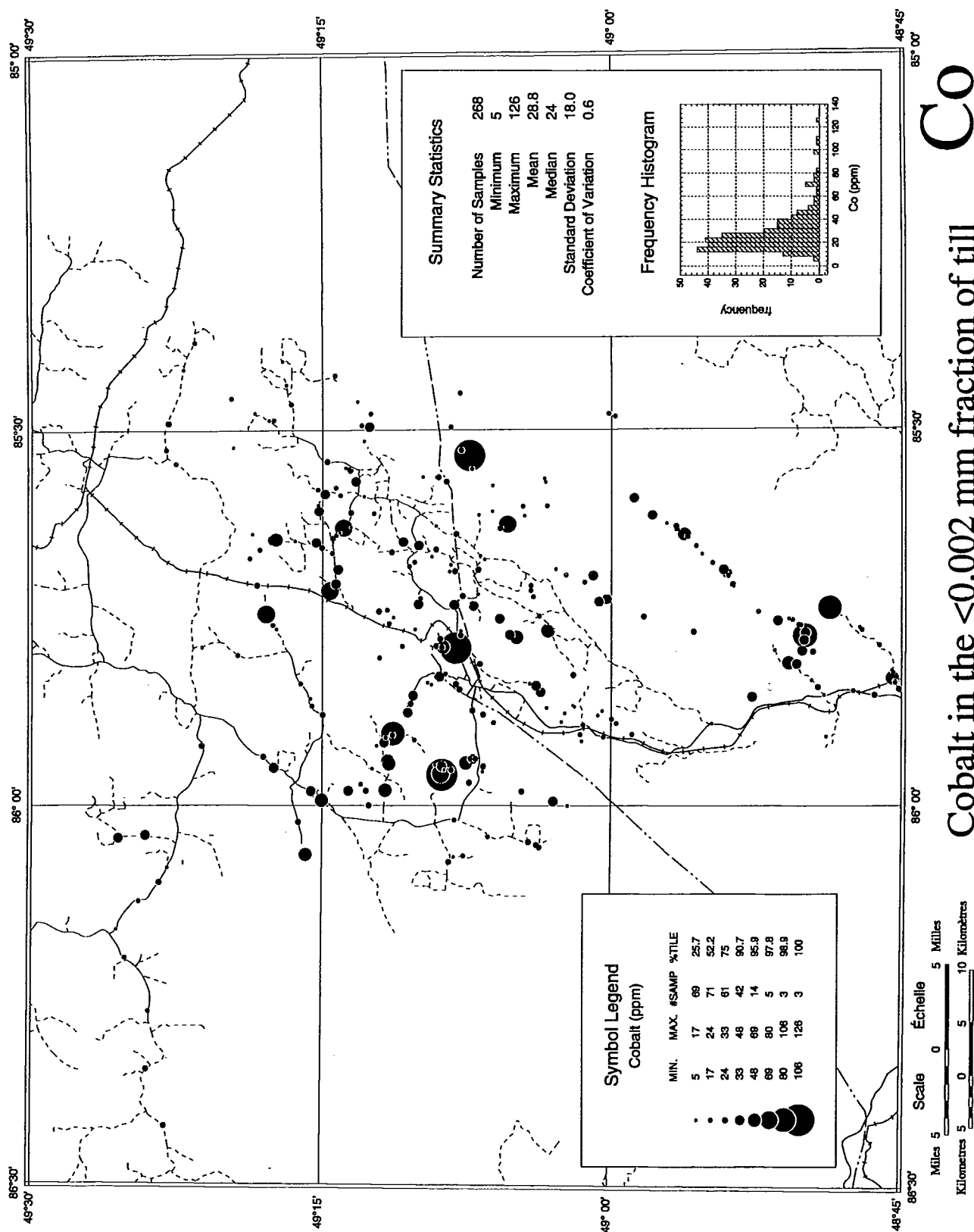


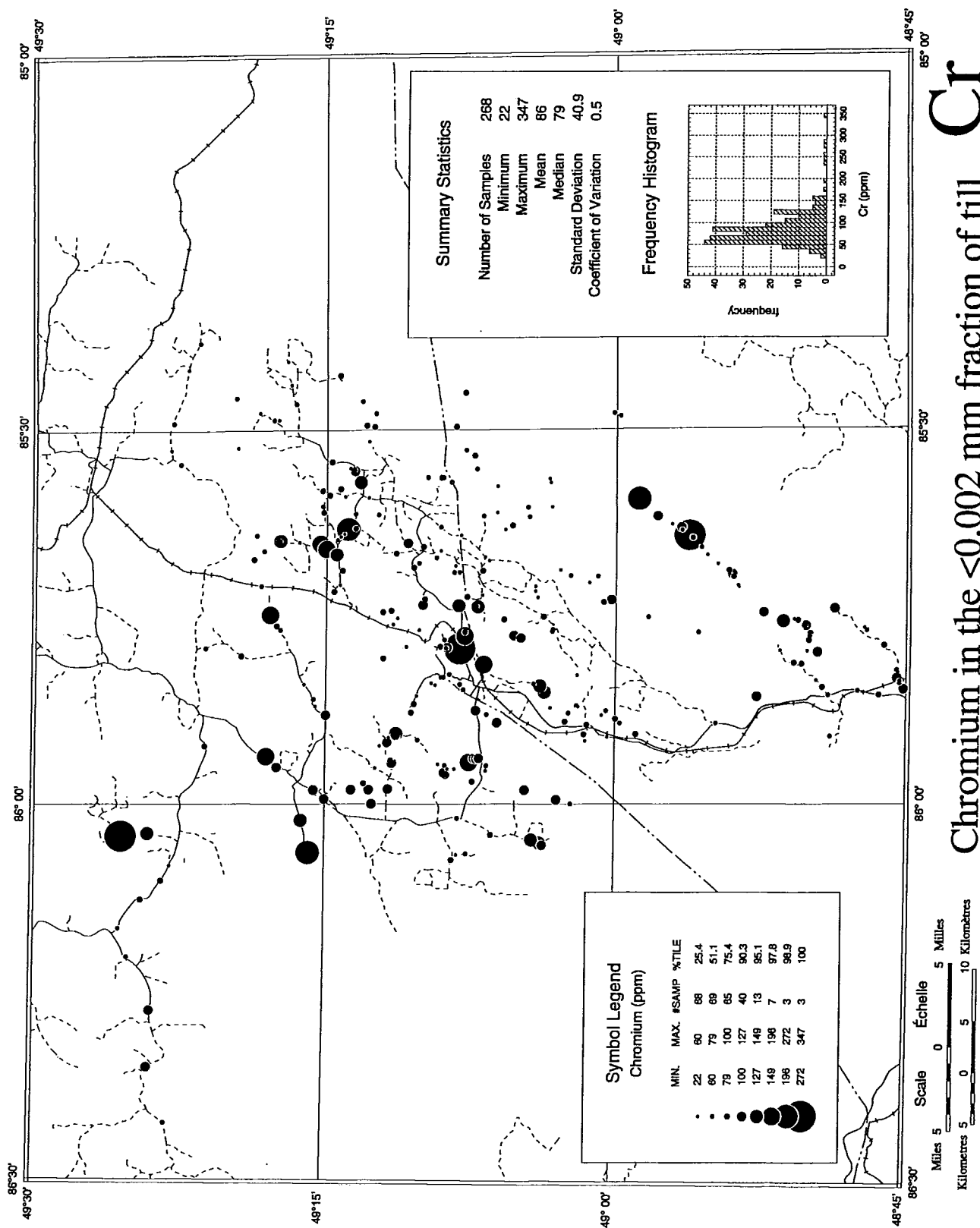
As

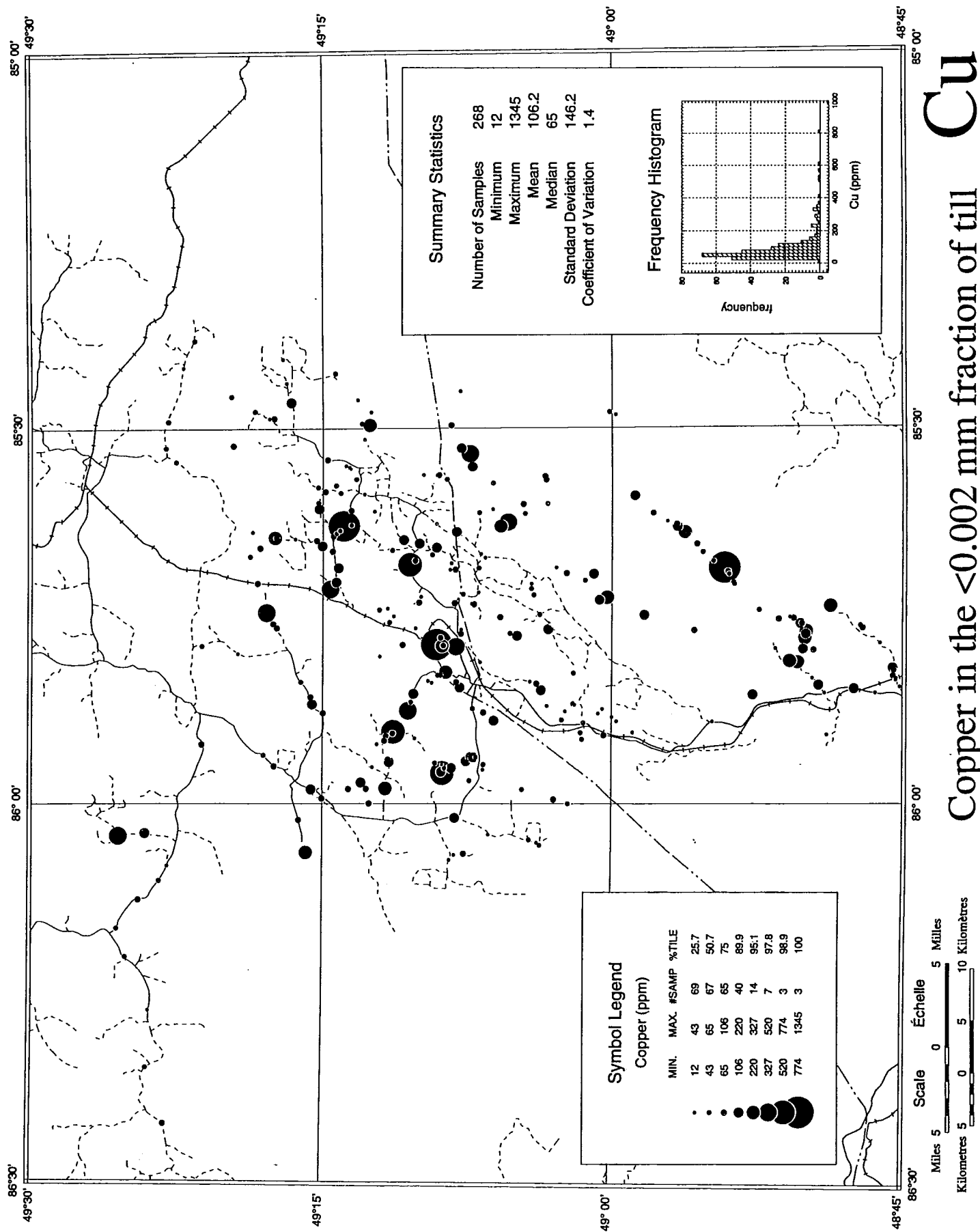
Arsenic in the <0.002 mm fraction of till

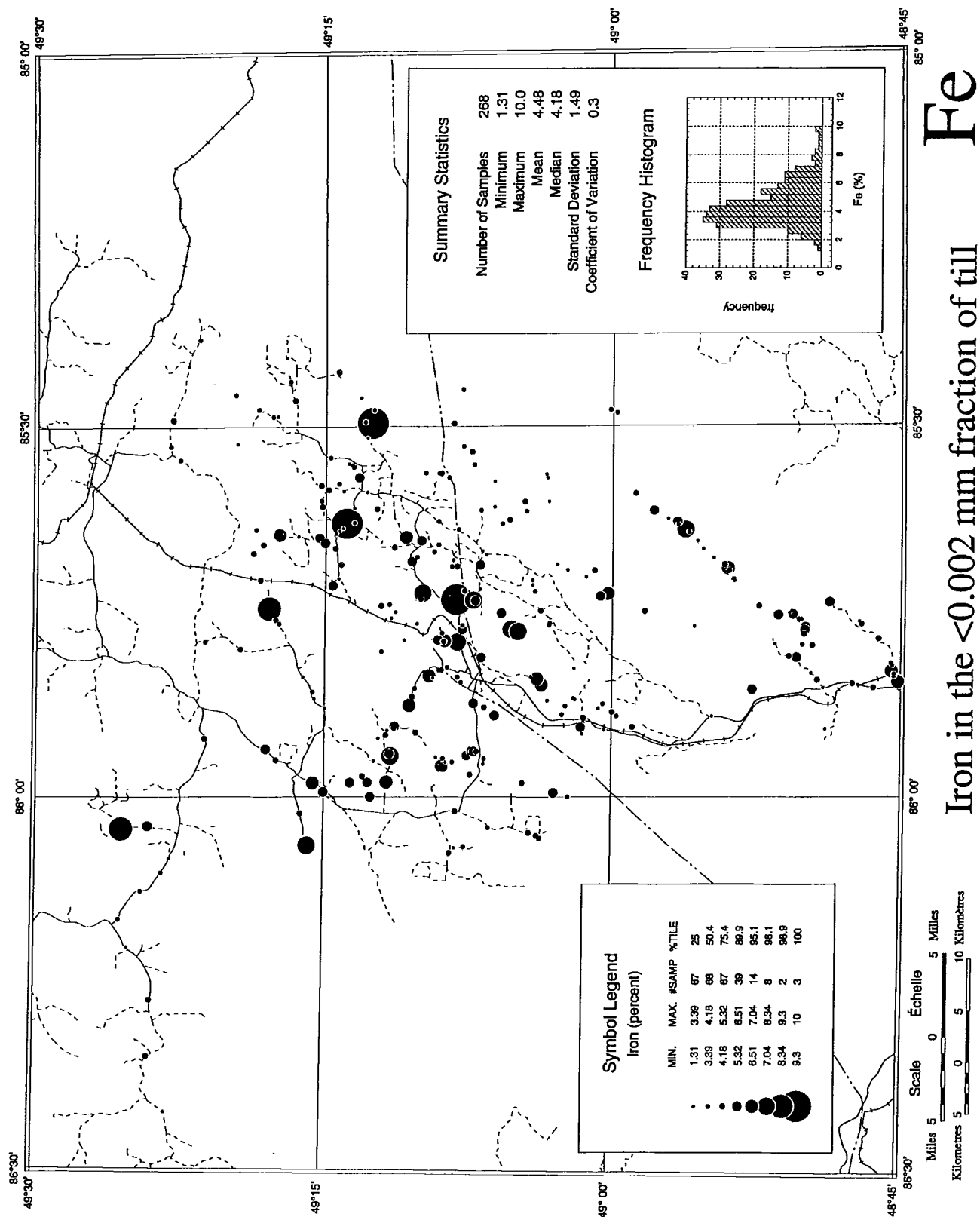


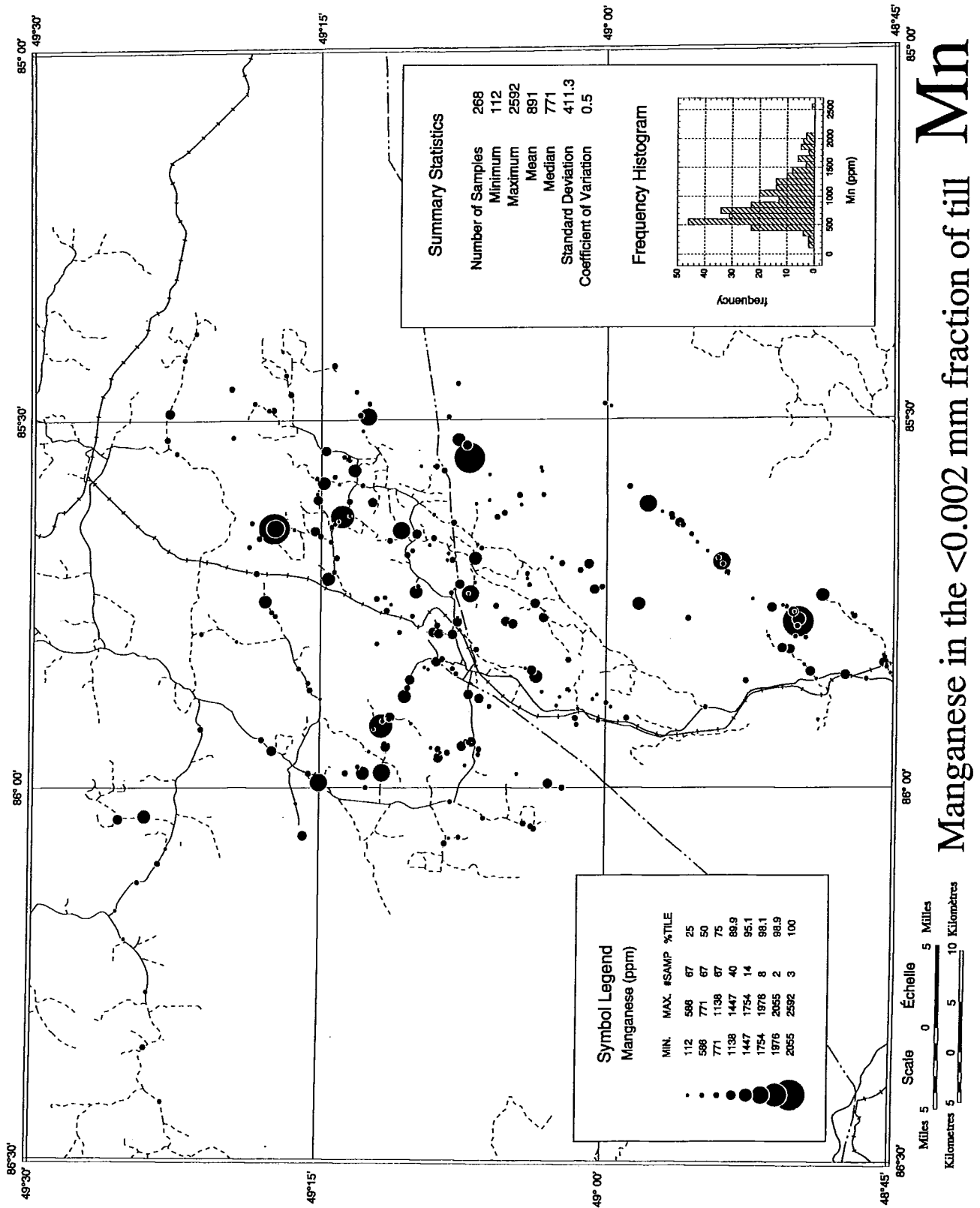


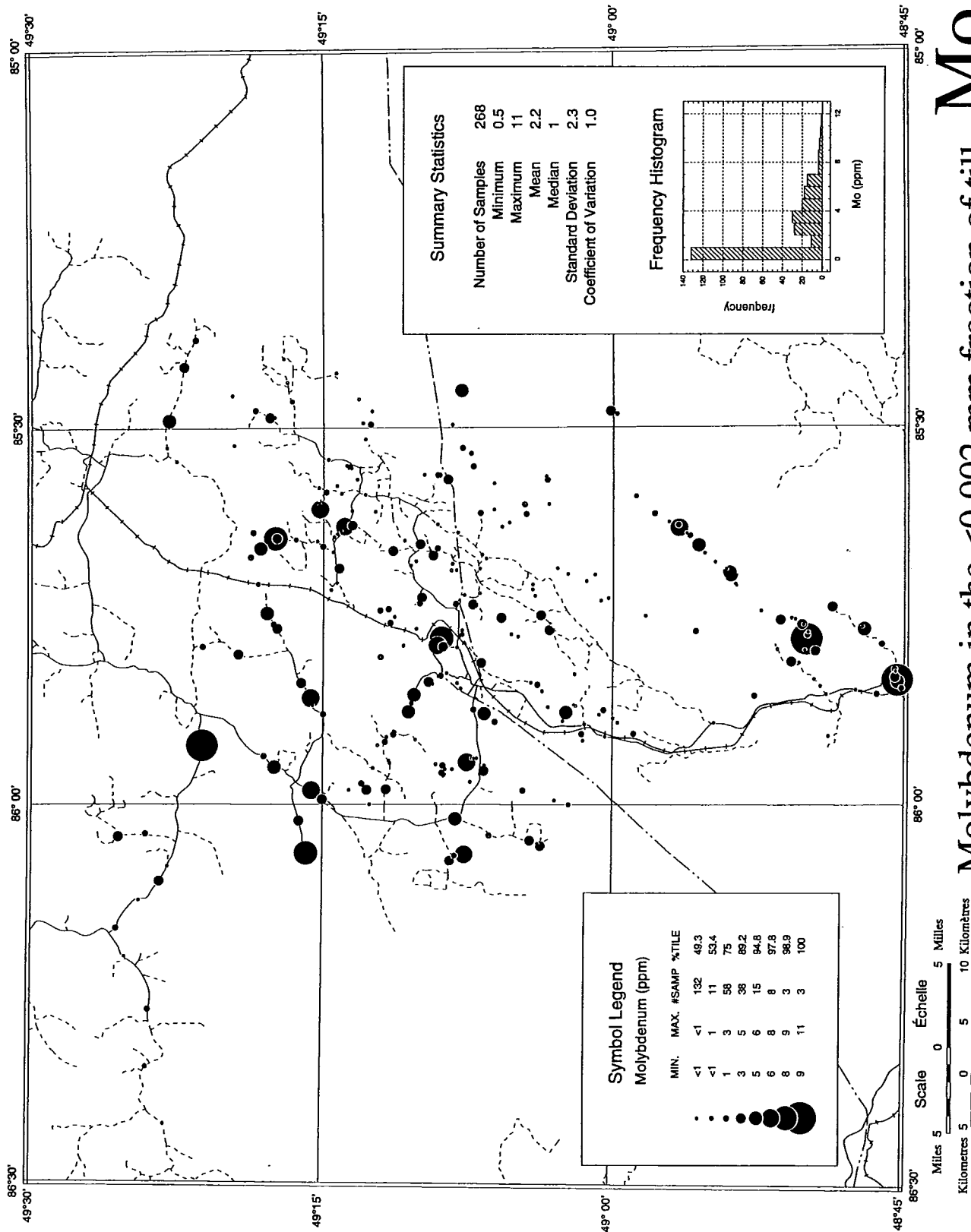


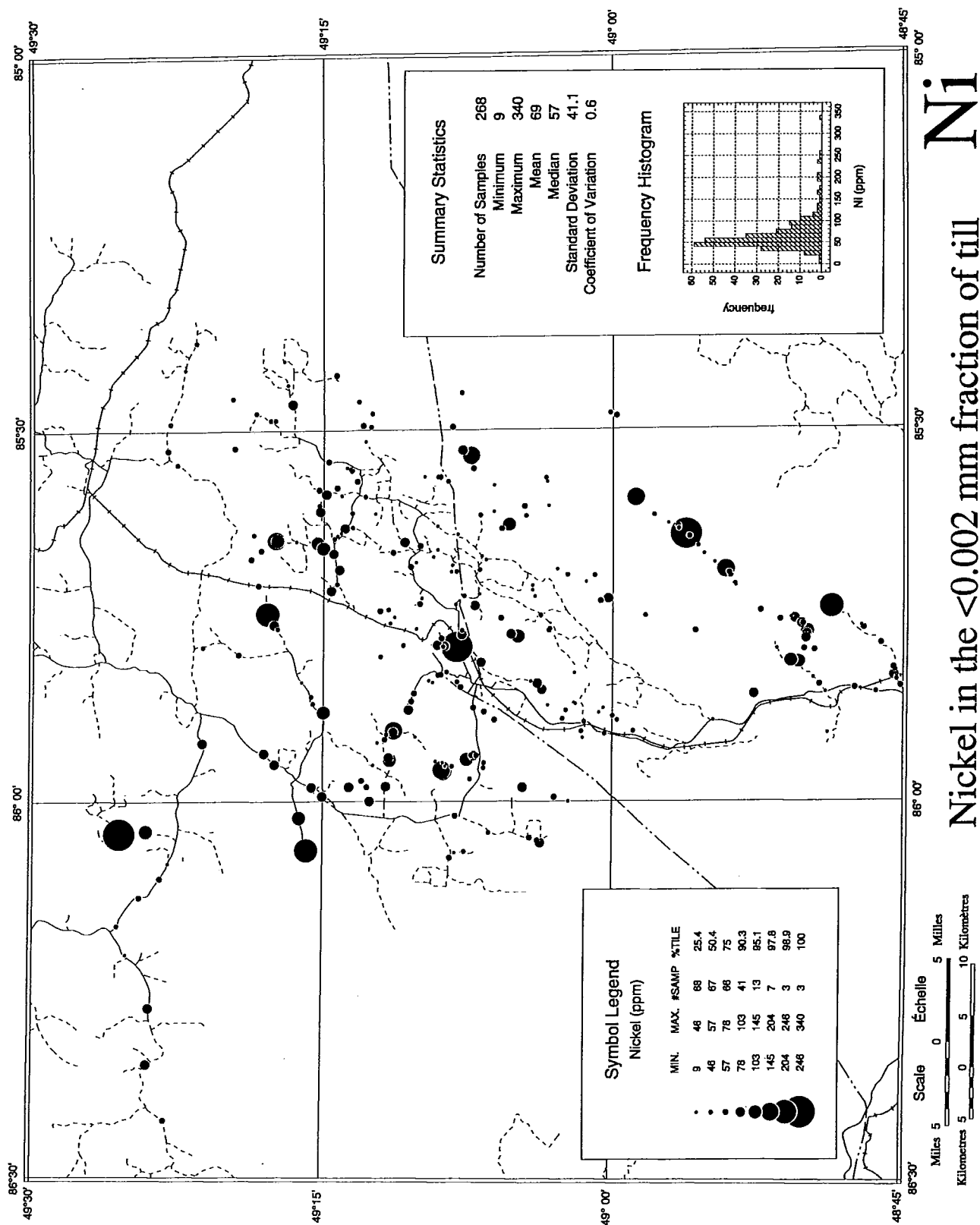


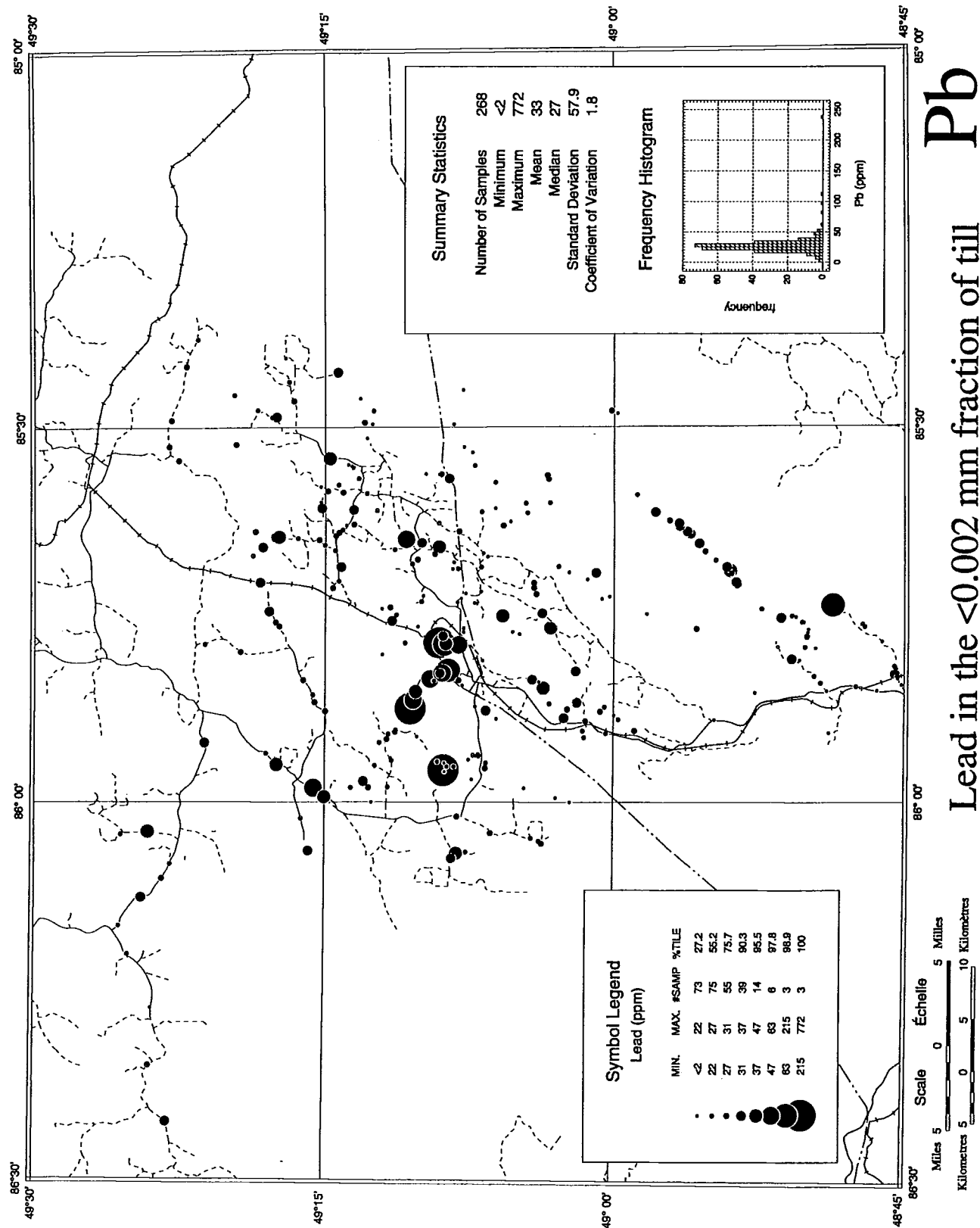


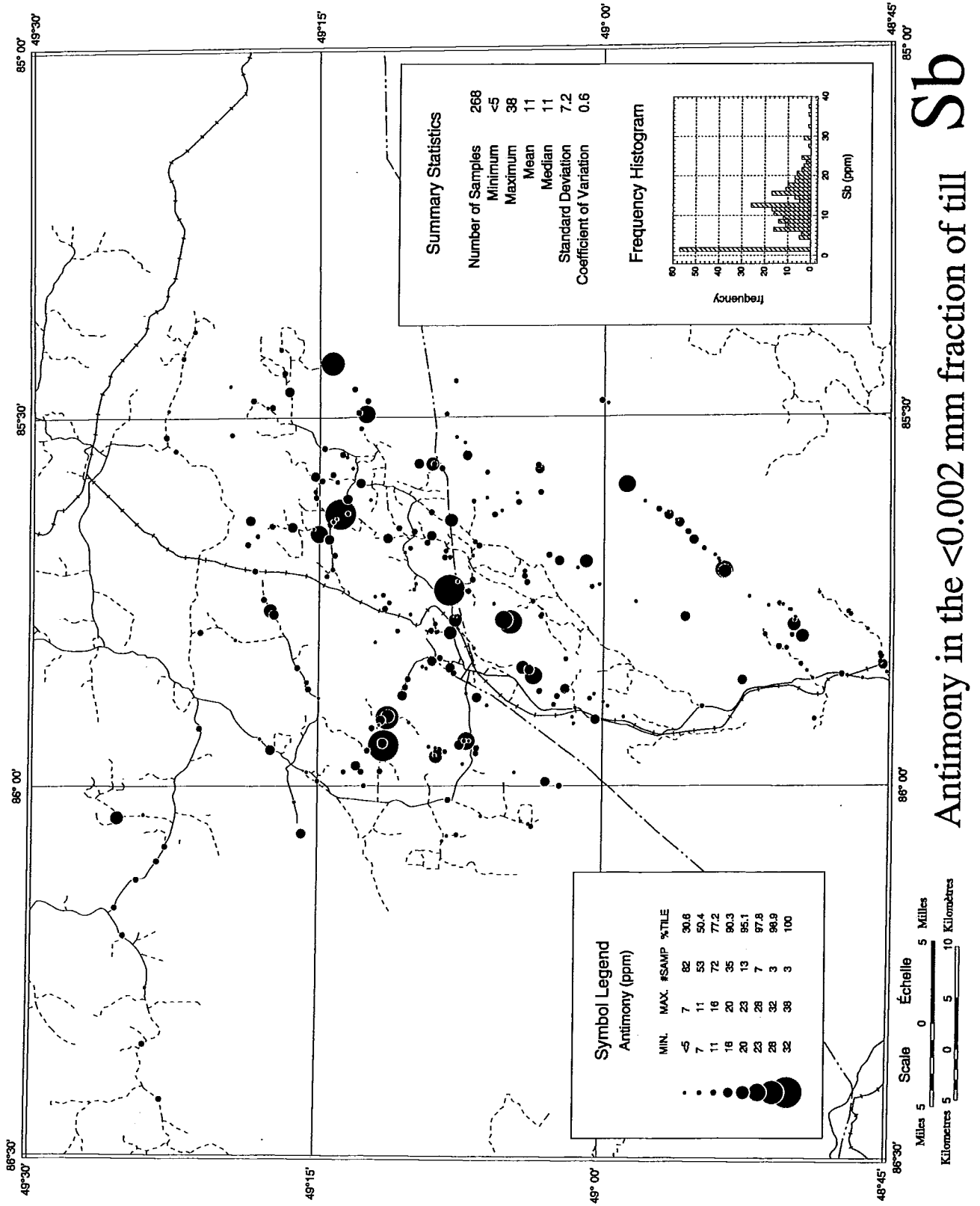


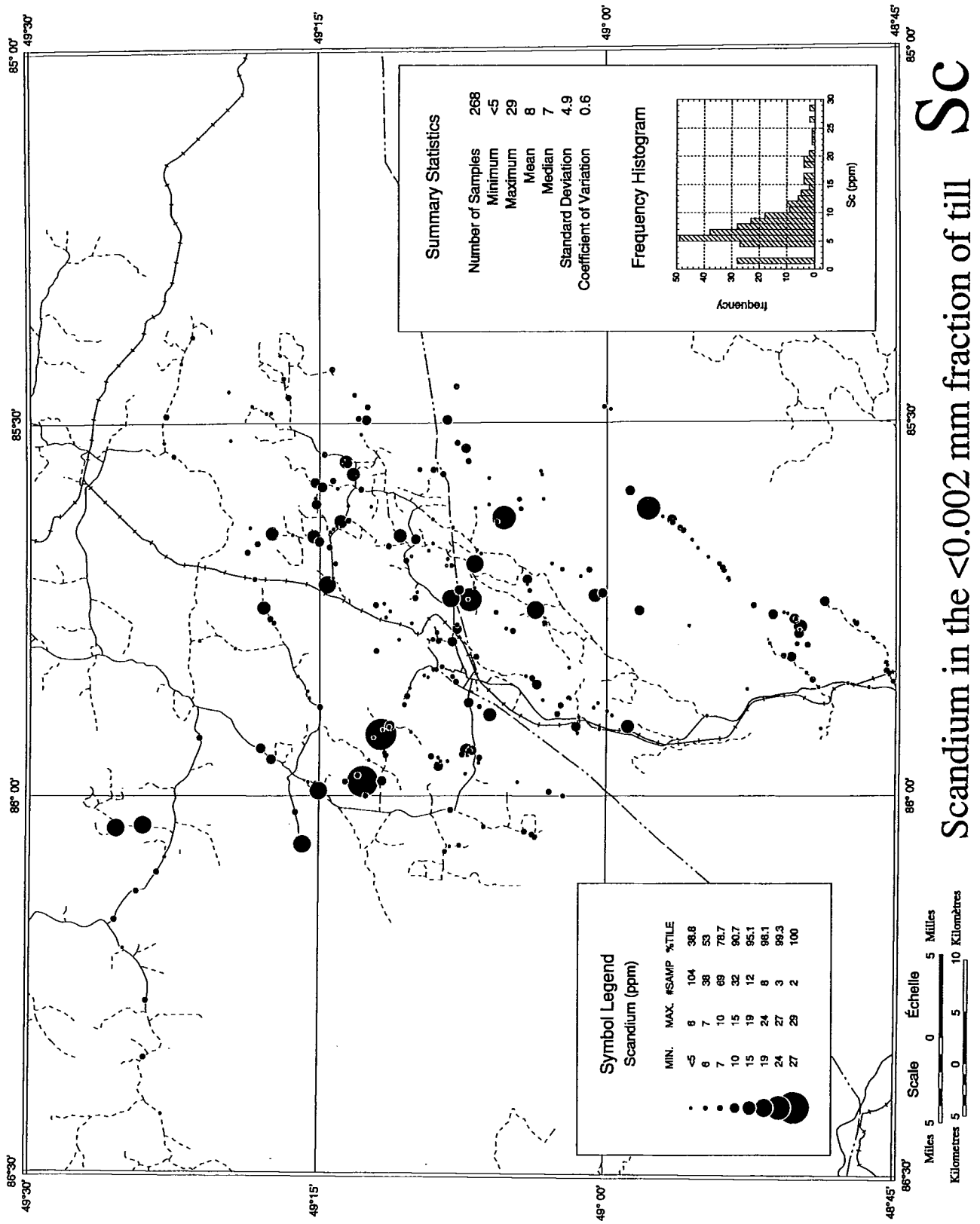












Sr

Strontium in the <0.002 mm fraction of till

