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**GEOCHEMICAL, MINERALOGICAL, AND
LITHOLOGICAL ANALYSES OF GLACIAL
SEDIMENTS FOR GOLD, BASE METAL AND
KIMBERLITE EXPLORATION,
BEARDMORE-GERALDTON AREA,
DISTRICT OF THUNDER BAY,
NORTHERN ONTARIO**

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Geochemical, mineralogical and lithological analyses of glacial sediments for gold, base metal, and kimberlite exploration, Beardmore-Geraldton area, District of Thunder Bay, northern Ontario.

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RAW DATA WITH PRELIMINARY INTERPRETATION

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SUMMARY

A Canada-Ontario Mineral Development Agreement program of glacial geological research was initiated in the Beardmore-Geraldton area of northern Ontario in 1986. The program was carried out as a joint effort of the Geological Survey of Canada and the Ontario Geological Survey. The study was meant to test the usefulness of and provide guidelines for drift sampling as a mineral exploration method. Elsewhere, it has been shown that analysis of the geochemistry, mineralogy and lithology of surficial sediments can lead to the recognition of mineralized bedrock which acted as the source of glacially dispersed debris.

Following collection of field data, the surficial geology of the study area was mapped using air photo coverage at a scale of 1:15,840. Preliminary maps at a scale of 1:50,000 have been released. Surface till samples were collected from a depth of 0.7 to 1.0 m, in the upper C horizon or the B/C transition. The C horizon is considered oxidized material on the basis of its brownish colour and the lack of preserved sulphide minerals. Material such as carbonate has not been removed from this horizon by leaching. The C horizon was chosen for the determination of drift provenance because it is the least-altered material available from surface. Evaluation of the use of shallower soil horizons for geochemical exploration was considered beyond the scope of the project. Till obtained from below a depth ranging from three to seven metres in drill holes on well drained sites is olive grey, contains unaltered sulphides and is therefore unoxidized. Sampling and drill hole sites were located at roughly 1 km spacing along roads where appropriate material was available. A total of 900 till samples, most weighing about 15 kg, were collected, 505 from surface excavations in oxidized till and 395 from rotasonic drill core. A total of 87 samples of glaciofluvial sand and gravel were collected. These included 36 samples from pits in eskers, 24 from sand and gravel interbedded with till in drill holes, and 29 samples collected from a drill hole in thick sand near Beardmore. Samples were analyzed for geochemistry of three or more fractions, mineralogy of heavy mineral concentrates and gravel fraction lithology. Raw data have been compiled to the extent that preliminary conclusions may be made.

In the vicinity of and northeast of Beardmore, samples from the uppermost meter of thin, discontinuous till contain fine-grained visible gold and geochemical patterns indicative of nearby mineralization. This is an indication that soil sampling is likely to be an effective exploration tool in portions of this area where till is exposed at surface. In the Wildgoose Lake-Geraldton area, however, thick till is largely composed of Paleozoic carbonate and Proterozoic metasedimentary rocks derived from the Hudson Bay Lowland at least 150 km to the northeast. This exotic material dilutes and/or buries locally derived debris so drilling is required in much of this area for meaningful data to be obtained.

INTRODUCTION

The Canada-Ontario Mineral Development Agreement is a subsidiary agreement of the Economic and Regional Development Agreement between the governments of Ontario and Canada. The Beardmore-Geraldton area was one of several areas in which geological surveys were initiated to stimulate further growth in the mining industry. Past production from this belt has been concentrated in areas of abundant outcrop. Excellent potential for further discoveries exists where glacial overburden conceals the rock. Increased recognition of the usefulness of till sampling as an exploration tool in such areas (Shilts, 1984; Coker and DiLabio, 1989) has necessitated the acquisition of a more thorough knowledge of these sediments. Glacial geological research in the Beardmore-Geraldton area was carried out as a joint effort of the Geological Survey of Canada and the Ontario Geological Survey. The program was designed to investigate the stratigraphy, sedimentology, composition and source of glacial sediments, particularly till, in the vicinity of known and potential mineralization.

Prior to the present study, the surficial geology of the Beardmore-Geraldton area was examined by Zoltai (1965, 1967), Sado (1975), Gartner (1980 a, b) as well as by Mollard and Mollard (1981). A study of the use of soils and glacial sediments lacking a prominent exotic component for exploration geochemistry was carried out in the Beardmore area by Closs and Sado (1981). These authors concluded that Au itself provides the most consistent indicator of its deposits. DiLabio (1982) found that mineralization could be traced using samples from calcareous, Paleozoic carbonate-bearing till in the Onaman River area, north of Beardmore. In contrast, Hicock (1988) doubted the usefulness of this till.

Field data regarding surficial geology were obtained from hand-dug and backhoe excavations, existing exposures, and rotasonic overburden drilling. Surficial geology was interpreted using aerial photography at a scale of 1:15,840 and the results were mapped at a scale of 1: 50,000 (Kristjansson et al., 1988; 1989; 1990). Drift samples were obtained during the collection of field mapping data as well as by drilling. This material was thoroughly described and analyzed in order to obtain a set of data which may act as a reference for drift sampling programs.

LOCATION AND ACCESS

The Beardmore-Geraldton study area, within location maps A to F (Appendix 1), is located immediately east of Lake Nipigon, 100 km north of Lake Superior. In addition to detailed study within this area, several sampling transects ranging from Lake Superior to the Hudson Bay Lowland, Locations maps G to J (Appendix 1) were included in order to examine regional context.

The Beardmore-Geraldton area is traversed by Highway 11, the northern route of the Trans-Canada Highway. Numerous secondary and tertiary roads provide vehicle access to sites throughout much of the area.

PRECAMBRIAN GEOLOGY

The Precambrian geology and gold mineralization of the Beardmore-Geraldton area have been described by Mason and McConnell (1983) and Mason and White (1986). The Wabigoon Subprovince of the Canadian Shield is subdivided in the study area into two greenstone belts: 1) the Onaman-Tashota Belt in the northwest and 2) the Beardmore-Geraldton Belt, which parallels and flanks Highway 11. The Paint Lake Fault, a regional transcurrent fault, separates the two belts. The Onaman-Tashota Belt consists predominantly of intermediate to felsic volcanic rocks intruded by felsic plutonic bodies. The Beardmore-Geraldton Belt is a predominantly metasedimentary sequence intercalated with mafic to intermediate metavolcanic rocks. Granitic rocks lie between the greenstone belts and the Paleozoic carbonate rocks of the Hudson Bay Lowland 150 km to the northeast. To the south lies the Quetico Subprovince, dominated by metasedimentary rocks in this area. Late Precambrian diabase dykes and, in the western portion of the study area, large tabular sills intrude the older rocks. Nineteen past-producing mines in the area yielded over four million ounces of gold and 300 000 ounces of silver (Mason and White, 1986). Copper, nickel, zinc, lead, molybdenum, and tungsten mineralization, as well as iron ore, are also present (Pye et al., 1966).

SURFICIAL GEOLOGY

Drift Thickness

Near Lake Nipigon, sand-dominated glaciofluvial and glaciolacustrine sediments deposited in a glacial lake are 58 metres thick at Hole T (Appendixes 1 and 17). These deposits are located in topographic lows which are surrounded by bedrock dominated highs. In the central portion of the study area, near Wildgoose Lake, till deposits as thick as 60 metres (Hole D) were documented. These deposits form local topographic highs within which bedrock outcrop is absent. In the eastern part of the study area, till 10 metres thick (Hole S) was documented in the area between Geraldton and Long Lake.

Glacial Erosional Features on Bedrock

The bedrock surface, which is well exposed in much of the area, displays glacially streamlined forms. These features parallel the youngest set of striations, a radiating pattern ranging from about 250° at Beardmore, to 230° at Geraldton, to 210° at Longlac. Rare occurrences of preserved older striations indicate a former ice flow direction of 210° at Beardmore and

190° at Geraldton. Veillette (1986) has reviewed evidence for an older west-southwestward ice flow which also may have influenced the Beardmore-Geraldton area.

Till and Other Glacial Diamictos

Till is the most common surficial sediment in the area. The most distinctive feature of much of this till is its calcareous matrix below the approximately 0.5 m thick A and B soil horizons and the abundance, particularly in areas of thick till, of gravel-sized clasts of Paleozoic carbonate and Proterozoic metasediments derived from the Hudson Bay Lowland 150 km to the northeast (Pattison, 1985; Heath, 1988). The presence of this far-travelled material and the lack, in many cases, of much locally derived debris are attributed to: 1) a zone of vigorous ice flow, an ice stream, emanating from Paleozoic terrane, 2) the high susceptibility to erosion of Paleozoic carbonate rocks, 3) the low erodibility of Archean granites occurring between the greenstone belt and Paleozoic terrane, and 4) the short distance over which glacial ice flowed over greenstones prior to the deposition of till in the study area. The composition of exotic till grades to that of more locally derived thin till which occurs at the surface in the area around and northeast of Beardmore and in the subsurface in areas of thick till. Locally derived till contains abundant angular, foliated Archean metasedimentary and metavolcanic rock fragments. The fluted surface of these deposits, their massive and compact structure, and the presence of faceted and striated clasts as well as boulder pavements indicate that most sampled diamictos are tills deposited by actively sliding ice (Kristjansson and Thorleifson, 1987; Hicock, 1988).

In order to investigate the nature of the thick till sheet occurring between Jellicoe and Geraldton, 18 boreholes, labelled A to R (Appendix 1), were drilled. Thick, massive and compact silty till, rich in Paleozoic granules and pebbles, was encountered in all but one hole. At seven of these sites, a distinctly separate lower till unit of variable texture but with few Paleozoic erratics and a high concentration of sulphides and angular Archean debris of presumed local origin was encountered. These occurrences of a second till, defined on a compositional basis, may or may not all be correlative. Furthermore, the composition of this till may be a reflection of a shorter distance of transport by the same ice flow which deposited the overlying till, or it may have been the product of an earlier, perhaps substantially different, ice flow direction. Elsewhere, Paleozoic carbonate-rich till extends to bedrock. At four sites, the uppermost sediments consist of graded diamictos interbedded with sand and gravel. These sediments are interpreted as having been deposited as sediment flows and fluvial sediments in a proglacial environment, respectively.

Glaciofluvial Deposits

Glacial meltwater deposited eskers, kames, and outwash as belts of sand and gravel crossing the area. Subaqueous outwash, occurring as sheet sands in topographic lows such as adjacent to Lake Nipigon, was deposited by continuously flowing, sediment-laden turbidity currents or underflows derived from the ice margin. These currents were driven by their density to the deeper parts of the shallow, short-lived proglacial lakes which covered part of the area.

Extent of Glacial Lakes

Whereas topographically higher areas in the southern and north-central parts of the Beardmore-Geraldton map area (Location Maps A to F of Appendix 1) were not inundated, lower areas between Jellicoe and Lake Nipigon, as well as the Geraldton and Longlac areas, were inundated by glacial lakes. The upper limit of inundation, which rises to the northeast due to postglacial isostatic rebound, varies from 320 m (1050') at Beardmore to 350 m (1150') at Longlac. Most of the area within these limits consisted of islands, so sediments influenced by inundation are limited to topographic lows. Currents in these shallow, restricted glacial lakes were probably responsible for the lack of varved silt and clay, considered typical of glaciolacustrine environments elsewhere.

Postglacial Deposits

Postglacial sedimentation is limited to eolian reworking of subaqueous outwash sand, deposition of alluvium on the floodplains of rivers, and accumulation of peat in poorly drained depressions.

COMPOSITIONAL ANALYSES

Drift Sampling Methods

Till samples were collected from existing exposures such as roadcuts and pits and from shallow excavations dug by hand as well as by backhoe. Thick till in the Wildgoose Lake area and southeast of Geraldton was sampled using a rotasonic overburden drill. This thick, compact till produced slow and difficult drilling conditions. Including moves, an average of 37 m was drilled per 12 hour shift. Core recovery of both overburden and bedrock was excellent. Glaciofluvial sediments were sampled in gravel pits excavated in eskers and by drilling in an area of thick sand near Beardmore.

Observations regarding texture and sedimentary structures were recorded at each sampling site. Color of the moist sediment was recorded using a Munsell colour chart. Rotasonic drill core was transported to a temporary logging facility where it was carefully split, described in detail, and photographed. A 15 cm

length of half-core from each metre of core was archived in sealed plastic bags. Nearly all of the remaining material from each metre of core was consumed in sampling. A 1.5 metre length of core was recovered from bedrock at each site. Bedrock core was described on the basis of visual analysis only (Appendix 4).

Following the initial phase of the project during which smaller samples were collected, a till sample of approximately 15 kg was collected at each site or from sections of homogenized drill core typically one metre in length.

Preparation and Analytical Methods

Four subsamples of homogenized 15 kg till samples were taken for: 1) analysis of fine grained sediment geochemistry, 2) a backup split for supplementary analyses, 3) an archive subsample and 4) grain size.

The remaining sample material, about 12 kg, was processed by Overburden Drilling Management Ltd. of Nepean Ontario for a <10 mesh (<2mm) heavy mineral concentrate using a shaker table and methylene iodide (specific gravity = 3.3). Visible gold grains obtained on the table and by panning were classified by the contractor on the basis of size and morphology (Appendix 6). Concentrates were panned if three or more gold grains were observed on the table. Visible gold grains coarser than 100 microns were removed from selected samples in order to permit later scanning electron microscope and electron microprobe analysis of the gold at GSC laboratories (Appendix 7). Microprobe data were also obtained, for comparison, from in situ gold samples provided by the Beardmore-Geraldton Resident Geologist's office. The gravel fraction obtained during processing for heavy mineral concentrates was used for lithologic analysis of the 5.6 - 16 mm fraction (~1 kg split) (Appendix 2) and, for selected samples, the 2 - 5.6 mm fraction (40 gram split) (Appendix 3). These pebble and granule lithology counts were carried out by GSC staff and by Consorminex Inc. of Gatineau, Quebec. The >0.25mm fraction of the nonmagnetic heavy mineral concentrates was visually examined by the staff of Consorminex Inc. for potential kimberlite indicator minerals which were subsequently analyzed in GSC laboratories by electron microprobe (Appendix 8). The entire concentrate was examined by the staff of Consorminex Inc. for fluorescent minerals using a short wave ultraviolet lamp (Appendix 2). A few milligrams of the 63-250 micron fraction of selected nonmagnetic heavy mineral concentrates was mounted in araldite in glass slides for heavy mineral counts which were completed by the staff of Consorminex Inc. (Appendix 5). Nonmagnetic heavy mineral concentrates, 7/8 splits weighing about 10 grams, were subsequently analyzed by Bondar-Clegg & Co. Ltd. of Ottawa by neutron activation for gold and several other elements (Appendix 10). The magnetic concentrates from selected samples were analyzed by Chemex Labs Ltd. of Vancouver for Au, Pt and Pd by fire assay/atomic fluorescence spectrometry (AFS) and for trace elements using a

perchloric - nitric - hydrofluoric total extraction followed by ICP/AES (Appendix 13).

A one kilogram split of the original homogenized sample was used by Chemex Labs Ltd. for preparation of fine grained sediment for geochemical analysis. The <0.063mm fraction was obtained by dry sieving using a stainless steel 230 mesh screen. The <0.002mm fraction was obtained by centrifugation in 5g/l sodium metaphosphate. In the first step of the centrifugation procedure, the >0.002mm material was removed from suspension at low RPM. The supernatant was then decanted and the <0.002mm material removed from suspension by centrifugation at high RPM. The <0.063mm fraction was analyzed at Chemex Labs for Au, Pt and Pd by fire assay/AFS analysis of 30 grams of material (Appendix 11). A 0.5 gram split of both the <0.063mm (Appendix 11) and <0.002mm (Appendix 12) fractions was analyzed by Chemex Labs for trace elements using nitric - aqua regia partial extraction followed by ICP-AES (inductively coupled plasma - atomic emission spectrometry). The <0.063mm fraction was also analyzed, at the labs of the Ontario Geological Survey, for carbonate minerals using a Chittick gasometric apparatus (Dreimanis, 1962) (Appendix 2).

Bedrock core from rotasonic overburden drill holes was crushed and analyzed at Chemex Labs by the same methods as the <0.063 fraction of till samples (Appendix 14). Three samples, representing a range of depths and degrees of sulphide mineralization, were obtained from the bedrock core from each hole.

Thirty-six samples, most gold-bearing, were selected for more detailed geochemical analysis (Appendix 15). Several grain size fractions and material resulting from heavy mineral processing (table lights and methylene iodide lights), were analyzed at Chemex Labs for gold by fire assay twice, in order to test for heterogeneity with respect to gold, and for trace elements using both partial and total extractions.

Lithology

The drift samples are divisible into two groups, one with a prominent component of exotic debris and the other dominated by locally derived debris (Appendix 16). Because exotic debris in this area consists largely of Paleozoic carbonate, this distinction may be made on the basis of carbonate content in the pebble fraction or in the matrix. There is, however, a transition between these groups such that manifestations of nearby mineralization may be discerned in some carbonate-bearing samples.

Samples obtained in the Hudson Bay Lowland and on the shield north of the Beardmore-Geraldton belt contain abundant black greywacke in the gravel fractions. Rare occurrences of oolitic or granular iron formation and banded siliceous

carbonate were also observed. These three rock types occur in the Proterozoic sequence of the Sutton Ridge (Bostock, 1971), which is located near the junction of Hudson Bay and James Bay. The presence of this metasedimentary rock debris, as well as granitic erratics, causes pebble count data to show a maximum, except in rare cases, of about 65% carbonate, even at sample sites in Paleozoic terrane. A lower threshold for percentages of metasedimentary and metavolcanic rocks is best observed as a value of about 35% per cent in the nongranitic pebble fraction (Appendix 16). These observations imply that exotic debris glacially eroded from distant Paleozoic and Proterozoic sources has been thoroughly mixed, probably during repeated reworking. It can therefore be concluded that the pebble fractions of typical samples contains a percentage of exotic Proterozoic debris equal to a relatively constant proportion of the per cent Paleozoic. This proportion was found to be about six-tenths. This value was deducted from per cent metasedimentary and metavolcanic rocks to obtain per cent local debris, or the content of pebbles derived from within the local greenstone belts (Appendix 17).

Carbonate content was measured in both the pebble fraction and the <0.063mm matrix (Appendix 2). The relationship between per cent calcite and total matrix carbonate determined by the Chittick method in oxidized till, when compared to the same relationship in unoxidized till (Appendix 21), indicates partial removal of calcite from most surface samples. This is also indicated by the difference between a typical calcite/dolomite ratio of about 1.0 in unweathered till and a value of about 0.5 for weathered till (Appendix 21).

Heavy Mineral Concentrates

The sample material which was processed for a heavy mineral concentrate, about 12 kg, yielded an average of 1.3 grams of -10 mesh, >3.3G nonmagnetic heavy minerals and 0.8 grams of magnetic concentrate per kg of sediment (Appendix 16). The method used for removal of magnetic minerals is designed to remove strongly magnetic minerals such as magnetite only. Hence weakly magnetic minerals occur in the nonmagnetic concentrate. Numerous or unaltered sulphides are absent from all pit samples, presumably due to destruction in the near surface oxidizing environment. The nonmagnetic concentrates from oxidized samples are dominated by epidote, amphiboles, garnet, hematite, pyroxenes, ilmenite, and other minerals such as zircon, leucoxene, and goethite (Appendix 5). Unoxidized concentrates contain, in addition to the suite observed in oxidized samples, between 5 and 80% sulphides.

Amphiboles and clinopyroxenes were excluded from the calculations of percentages for heavy minerals (Appendix 5) because the specific gravity of these minerals spans that of methylene iodide. Recovery of these minerals can therefore be

influenced by slight changes in technique and heavy liquid density.

Nonmagnetic heavy mineral concentrates were examined under short wave ultraviolet light. Large numbers of yellow grains and a smaller number of blue grains were observed (Appendix 2). The yellow grains, averaging several thousand grains per 10 g, were visually identified as zircon. The blue grains, as well as a few similar but greenish grains, were visually identified as scheelite. The latter identification was confirmed by electron microprobe analysis of six grains. Samples 700 and 8050 contained several thousand scheelite grains, two orders of magnitude more than any other sample (Appendix 2). Both samples were obtained on the north side of a pond 0.8 km west of Lordmayor Lake, south of Jellicoe. No mineralization was reported in this area by Pye et al. (1966).

Visible Gold grains

Visible gold grains ranging in size from 25 to 300 microns (0.025 to 0.3 mm) were obtained throughout the area. Background counts of one or two grains were encountered north of known mineralization and in exotic carbonate rich debris. In contrast, surface samples in thin locally derived debris in the Beardmore area and in drill holes yielded up to several tens to a few hundred gold grains.

Microprobe analysis of visible gold grains coarser than 100 microns from selected samples showed compositions similar to results obtained using identical analytical methods for gold from mines and other deposits in the area (Appendix 7). Gold to silver ratios of about 9 to 1 are similar to in situ gold and are comparable to production statistics from area mines (Mason and White, 1989). Several grains showed compositions with anomalous concentrations of silver (up to 35%) and mercury (up to 13%). Isolated gold grains considered representative of background in many cases show a rounded, porous appearance under the SEM. In contrast, grains from samples with clearly anomalous numbers of gold grains have more irregular shapes and a nonporous surface. Grains from anomalous samples in three cases show a similarity of form within a sample. Coarse visible gold grains from sample 608 have a somewhat consistent relatively compact appearance with a scaly surface. Bulbous protrusions are typical of coarse gold grains from sample 635. Compact grains with a distinctive irregular surface are typical of sample 1185.

The shape and surface morphology of the gold grains may be indicative of distance of transport by glacial processes (Averill and Zimmerman, 1986). Grains were assigned to one of three categories by Overburden Drilling Management:

1. Grains classified as delicate are characterized by primary crystal faces, pitted leaf surfaces and intact ragged leaf edges.

2. Irregularly shaped gold grains are pitted, with the grains either retaining their gross primary shape or having become curled.

3. Abraded gold grains are considered primary leaves reduced to smaller flakes and spindled forms with polished surfaces.

Averill and Zimmerman (1986) found that if most of the grains in an anomalous sample conform to one class, hence discounting some exceptions, transport distances of less than 100 m, 100 to 1000 m, and more than 1 km can be inferred for delicate, irregular and abraded gold grains, respectively.

Kimberlite Indicator Minerals

The 0.25 to 2.0 mm fraction of nonmagnetic heavy mineral concentrates was visually inspected under a stereoscopic binocular microscope for kimberlite indicator minerals. Grains tentatively identified as possible pyrope garnet, magnesian ilmenite, or chrome diopside were removed from the concentrate, mounted and polished, and analyzed by electron microprobe (Appendix 8).

The few occurrences of grains confirmed as pyrope garnet occur across the area, with a slight concentration northeast of Beardmore. Confirmed magnesian ilmenite is somewhat more concentrated near Geraldton, in more carbonate-rich debris. The few chrome diopside grains which were confirmed are not clustered in a particular area.

Pyrope garnet obtained from the study area falls into group nine of the Dawson and Stephens (1975, 1976) classification, referred to as chrome pyrope. As discussed by Fipke (1989), these minerals typically indicate lherzolite xenoliths, which tend not to be as productive with respect to diamonds as are harzburgite xenoliths in kimberlite. Pyrope garnet recovered by Wolfe et al. (1975) from the drift of the Moose River Basin, 400 km east-northeast of Beardmore-Geraldton, has a chemical composition similar to those examined in the present study. A clear contrast is presented, however, by the shape of the garnet grains. In the Moose River Basin, all but one pyrope recovered by Wolfe et al. (1975) are very well rounded and hence are probably reworked from sediments such as the Cretaceous fluvial sediments which occur in this area. Grains examined in the present study are in all cases angular.

Janse et al. (1989) reported the discovery and analysis of alkaline intrusions located north of Hearst, in the Hudson Bay Lowland, 250 km east-northeast of the Beardmore-Geraldton study area. Clinopyroxene from their drill core contains similar chromium content, but higher aluminum content, compared with grains from drift of the Beardmore-Geraldton area. Ilmenite

analyses reported by these authors show slightly less magnesium, about 7 to 8% MgO, compared to typical values of 11% in the present study.

Geochemical Quality Control

Accuracy and precision in geochemical analysis were monitored using standards and duplicates in all batches (Appendix 9). Choice of standards was governed more by availability than by suitability. The materials used are of mixed origin and result from the accumulation of excess material from laboratory procedures. The materials are not certified, but have been analyzed sufficiently with respect to number and timing of analyses by the specific preparation and analytical methods in question to be informally regarded as standards. It was assumed that more rigorous assessment of accuracy had been maintained by commercial laboratories.

Scatter in the analysis of split heavy mineral concentrates for gold is probably due to inhomogeneity of the material, the nugget effect. Analysis of duplicates of <0.063mm fraction for gold by fire assay showed acceptable precision above 10 ppb. Precision in the analysis of <0.063mm fraction for platinum and palladium is poor, perhaps due to low concentrations. Neutron activation analysis of split heavy mineral concentrates for elements other than gold showed acceptable precision. Analysis of <0.063 and <0.002mm fractions by ICP indicates good precision for most elements found well above their detection limits. Elements occurring at levels near the detection limit, such as arsenic, are not as reproducible. Lead analyses show very poor reproducibility.

Geochemical data obtained from the <0.002mm fraction were inspected to check for values indicative of errors in sample preparation. Careless decantation following low RPM centrifugation meant to bring >0.002mm material out of suspension may result in the introduction of coarse material into the suspension which is subsequently subjected to high RPM centrifugation. Because the <0.002mm fraction is dominated by aluminosilicates, aluminum values were checked for anomalously low values. Fifteen samples with partial leach Al contents of less than 1% in the <0.002mm fraction, as well as 15 samples with high Al, were resubmitted for preparation. Subsequent ICP analysis (Appendix 9) indicated much higher Al contents for samples anomalously low on the first run, but comparable values for samples which showed high Al on the first run. It was therefore concluded that <0.002mm preparations with anomalously low Al content should be regarded as suspect preparations.

Inspection of the Al content in the <0.063 and <0.002mm fractions of all samples (Appendix 16) indicates that flawed preparations of the <0.002mm fraction are not a pervasive problem. About 5% of all <0.002mm samples showed Al contents below 1%, a value typical of the <0.063mm fraction. Hence the

few anomalous samples which happen to occur within this group show metal levels which are suppressed by silt. This conclusion is regarded with concern, but the results of <0.002mm analyses are nevertheless considered adequate to indicate regional trends. A problem such as this may be less severe than variability in <0.063mm analyses caused by the natural variability in silt content of the <0.063mm fraction.

Nine samples were selected for replicate gold analyses (Appendix 9). All but one sample show good to excellent reproducibility.

Geochemistry

Nonmagnetic heavy mineral concentrates were analyzed by neutron activation (Appendix 10). The most prominent general trend in the data is indicated by lower values for sulphide-hosted elements such as arsenic in oxidized sediment, compared to unoxidized samples. This discrepancy is attributed to the destruction by oxidation of virtually all sulphide mineral grains in brownish grey C horizon material obtained from excavations in well drained sites, as confirmed by visual counts for percent sulphide in nonmagnetic heavy mineral concentrates (Appendix 18). Sampling strategies which take into account oxidation of sulphides have been discussed by Shilts (1975). Oxidized heavy mineral concentrates should therefore only be analyzed for elements which are not well represented in fine grained fractions and which reside in resistate minerals such as gold or scheelite. In contrast, heavy mineral concentrates from unoxidized till should be analyzed in order to detect sulphide-hosted metals.

Gold concentrations in heavy mineral concentrates reach values of several thousand ppb and are correlated with the number of gold grains observed during processing of the concentrate (Appendix 20). Samples from which visible gold was removed for SEM and microprobe analysis were excluded from plots shown in Appendix 20. Samples containing several thousand grains identified as scheelite on the basis of examination under short wave ultraviolet light contain several thousand ppm tungsten, two orders of magnitude above background. Oxidized heavy mineral concentrates from an area northeast of Beardmore show a pattern of elevated antimony (Appendix 16). Oxidized heavy mineral concentrates from an area of diabase outcrop north of Beardmore show elevated values for nickel concentration (Appendix 16). Oxidized heavy mineral concentrates from the Wildgoose Lake map area, location map D, show elevated concentrations of rare earth elements (Appendix 16).

Analyses of unoxidized heavy mineral concentrates (Appendix 10) include many arsenic values, mainly in locally derived till overlying bedrock, which are two orders of magnitude higher than values obtained from oxidized samples. Drill hole results

include high values for elements including gold and arsenic, in some cases several metres above the bedrock surface.

Several elements included in the analytical package for nonmagnetic heavy mineral concentrates were not included on printed tables (Appendix 10) due to space limitations. These elements, and typical reported concentrations include Ag (<5ppm), Ba (<100ppm), Br (<1ppm), Cd (<10ppm), Cs (<1ppm), Ir (<100ppb), Na (~0.3%), Rb (<10ppm), Se (<10ppm), Sn (<200ppm), Te (<20ppm), and Zn (<200ppm).

Analyses of magnetic heavy mineral concentrates (Appendix 13) failed to show elevated concentrations for precious metals. Extreme tungsten and cobalt concentrations in several drill core samples are attributed to contamination by tungsten carbide derived from the drill bit.

Analyses of the <0.063mm fraction for gold by fire assay indicate values up to several tens of ppb (Appendix 11). Results, with exceptions, show correlation with gold grain counts and neutron activation analysis of heavy mineral concentrates (Appendix 20). Elevated values for palladium in samples 314 to 328, in the Longlac area, are regarded with suspicion. The samples were analyzed in order of sample number. Elevated values are not supported by samples in the same area with sample numbers outside of this range. Problems in analysis for palladium are therefore suspected in the case of these Longlac area samples. Elevated palladium values were also observed in an area of diabase outcrop north of Beardmore. Arsenic values are only slightly above detection limit, but base metals are in general well above detection. In contrast, values for several elements are much higher in the <0.002mm fraction (Appendixes 12 and 22). Hence the <0.002mm fraction shows a higher anomaly to background ratio. Because metals preferentially reside in the clay fraction, analysis of this fraction alone avoids the influence of variable contents of metal-poor silt (Shilts, 1971). For these reasons, patterns are better defined by the clay fraction. For example, antimony, gallium, silver, and thallium show geologically meaningful patterns in the <0.002mm fraction which are not revealed by the <0.063mm fraction (Appendix 16). These advantages may in many cases be offset by the much higher cost of preparation of the <0.002mm fraction.

Elements excluded from the <0.063 (Appendix 11) and <0.002mm (Appendix 12) tables (with typical values) are Be (<0.5ppm), Hg (<1ppm), Se (<10ppm), and U (<10ppm). Also excluded from the <0.063mm table are Ga (<10ppm), Mo (<1ppm), and Tl (<10ppm). Data for Be, Ga, Mo, and Tl are included as summaries (Appendix 16).

Elevated values for calcium and magnesium in analyses of the <0.063 fraction are attributed to carbonate. These results

correlate well with matrix calcite and dolomite contents, as determined by the Chittick method, respectively (Appendix 21).

Bedrock core obtained from rotasonic overburden drill holes was crushed and analyzed by the same methods as the <0.063mm fraction. Hence results of bedrock analyses are comparable to those from the <0.063mm fraction of unoxidized locally derived till in drill holes.

Analysis of several grain size and sample processing fractions of till fractions indicates several tendencies (Appendix 15). Whereas elements such as Al and Ti produce much higher concentrations following a total rather than partial extraction, elements including the base metals show little difference (Appendix 19). The <0.002mm fraction is enriched in many elements, but this tendency is not as clearly present for As and Cu in unoxidized samples.

Observations of geochemical trends in soil profiles (Appendix 18) may be summarized as three tendencies. Carbonate has been leached from the B horizon, which shows redder and browner colors than higher and lower horizons. High values for some elements were observed low in this leached horizon. In contrast, the grayish brown (2.5Y) C horizon is not leached of carbonate, but sulphide minerals in this horizon have been destroyed by oxidation to a depth of several metres (Appendix 18). Pit samples collected across the area (Appendix 21) seem to generally be from the transition from the B to the C horizon on the basis of partial leaching of carbonate.

Comparison of metal concentrations with carbonate content of samples (Appendix 23) indicates that few anomalies were encountered in carbonate-rich till.

Contamination of sediment by human activity is suspected at few sites. Sample 140, located near the Magnet Mine, shows an anomalous gold concentration in the <0.063mm fraction, despite a high carbonate content. The heavy mineral concentrate from this sample was not anomalous with respect to gold.

CONCLUSIONS

Efforts to apply soil sampling and overburden drilling to mineral exploration in the Beardmore-Geraldton area must take into account the several environments of glacial sedimentation, variable distances and directions of glacial transport, and the effects of postglacial weathering. Locally derived till, an ideal sampling medium for geochemistry or mineral tracing (Closs and Sado, 1981; Thorleifson and Kristjansson, 1987; 1988), may be sampled at the surface in areas of thin till. This material is oxidized to a depth of several metres in well drained sites, so sulphides have been destroyed and their metals redistributed, possibly into the fine-grained fraction of the oxidized till (Shilts, 1984). The geochemical characteristics of surface

samples therefore differ from unweathered sulphide-bearing till which can be obtained by drilling in areas of thick till. Calcareous, Paleozoic carbonate-bearing till should be examined before analysis for a local component, most readily recognized as angular, foliated metasedimentary and metavolcanic clasts in the pebble fraction. Glaciofluvial sediments have a generally longer and more complex transport history than till, so this material is less desirable as a sampling medium.

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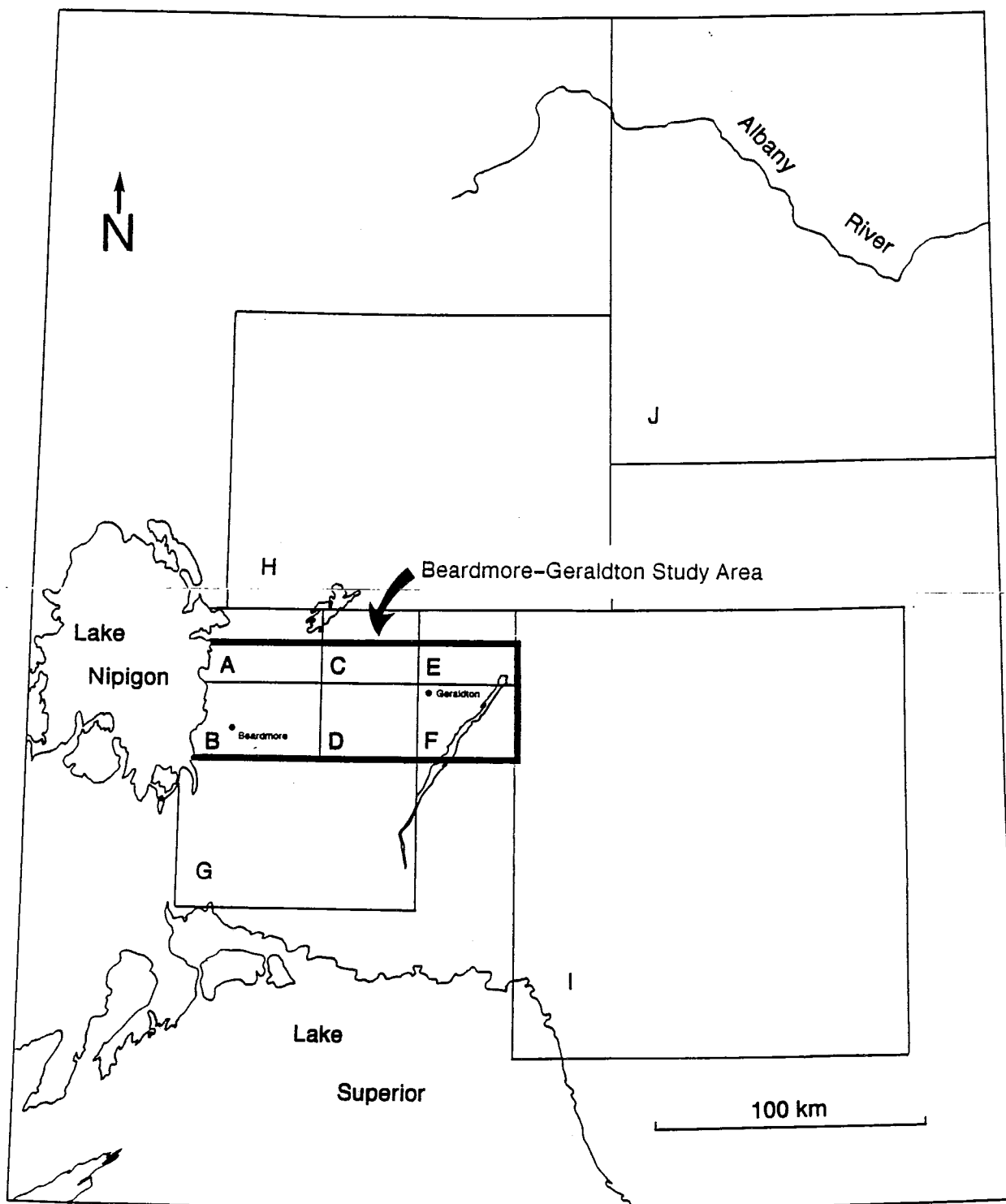
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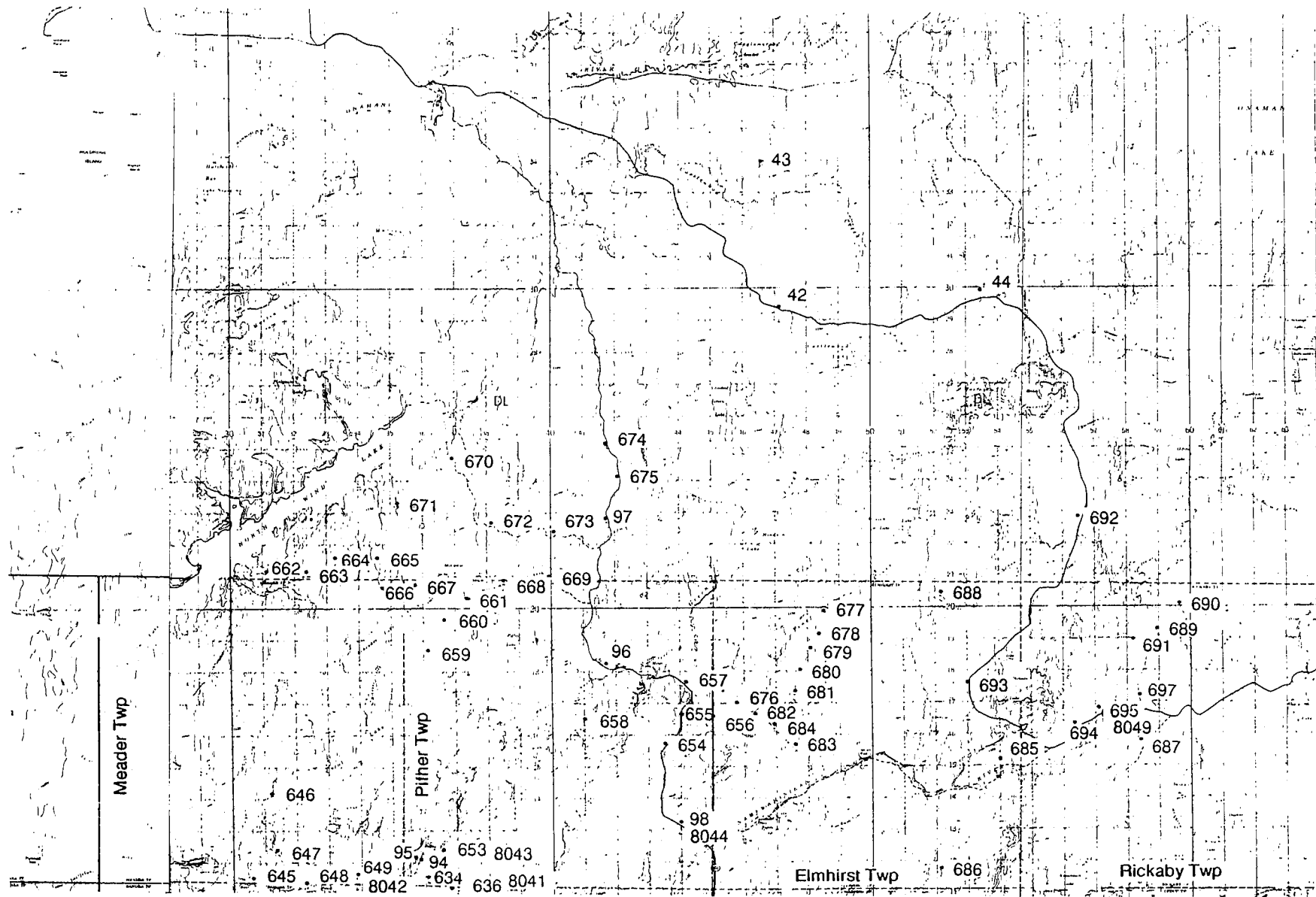
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Appendix 1

Sample Location Maps



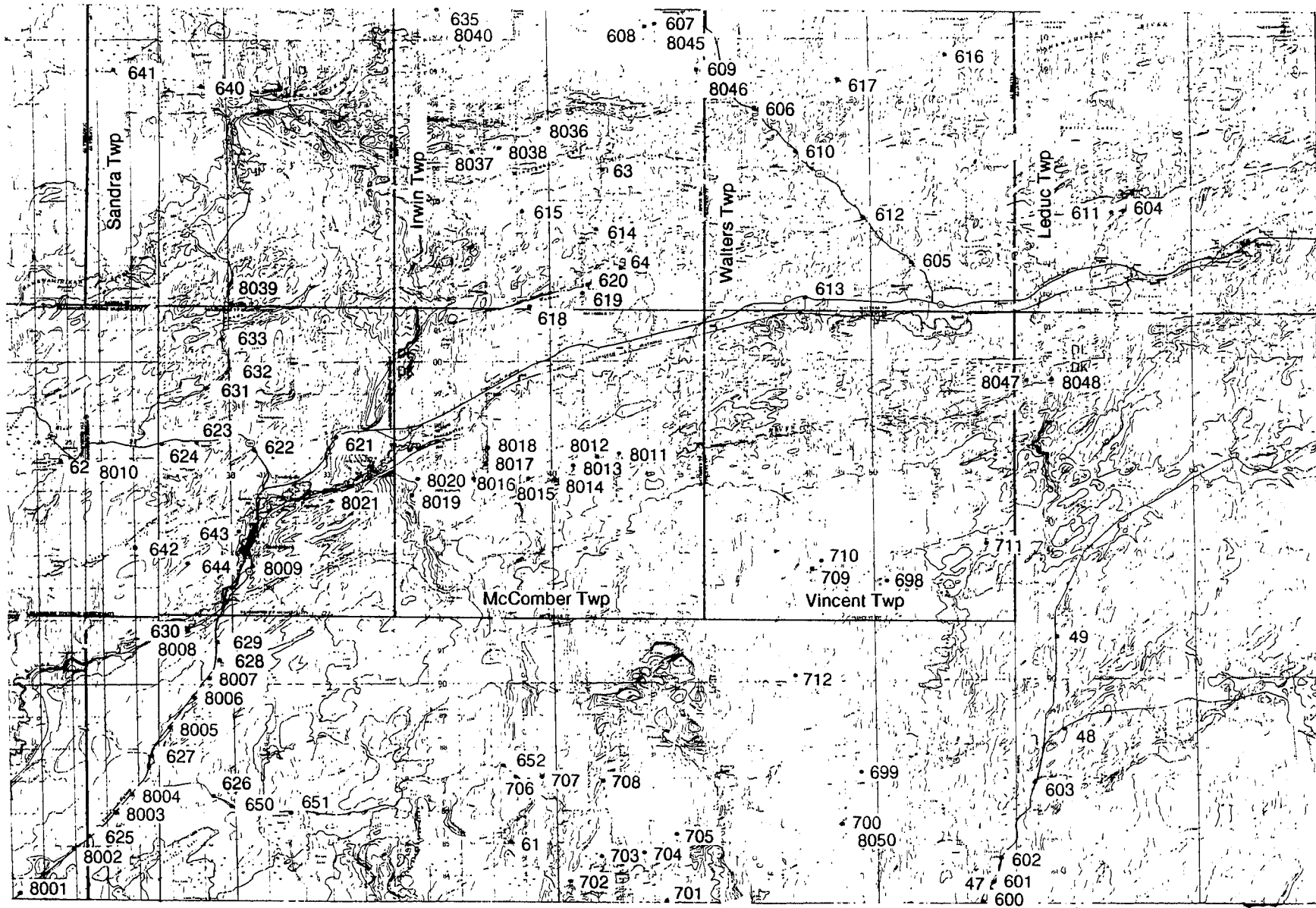
Location Map Key



Location Map A

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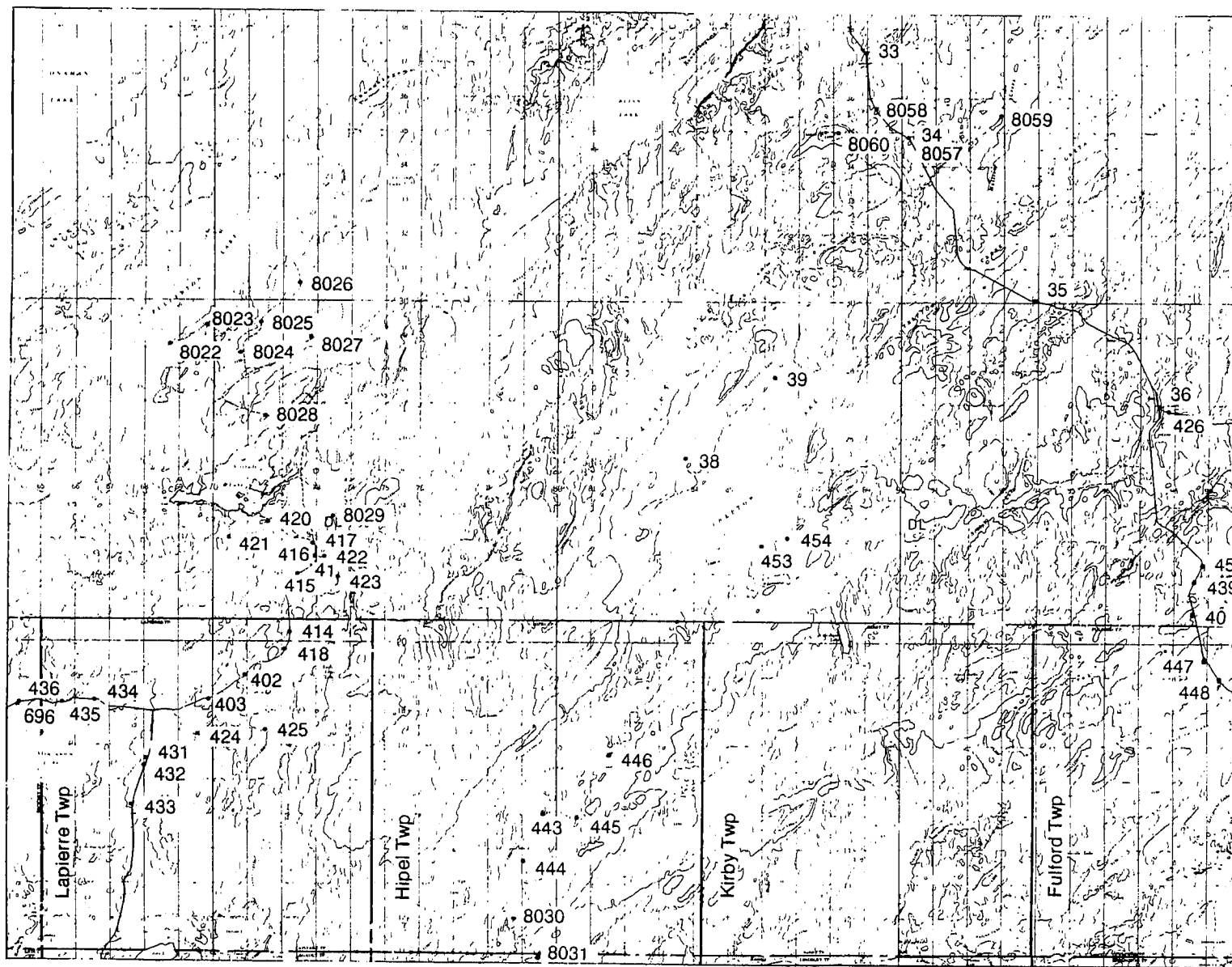




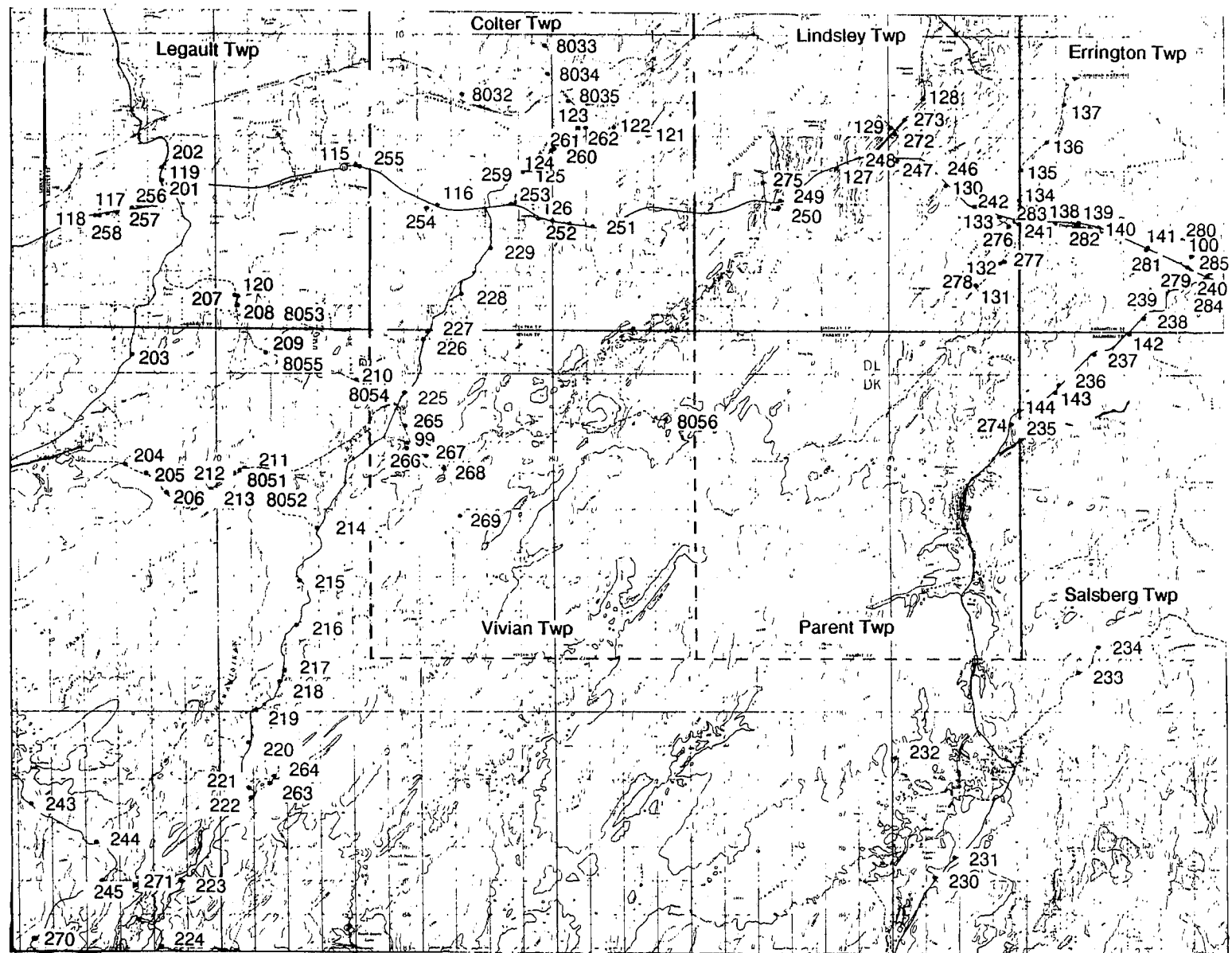
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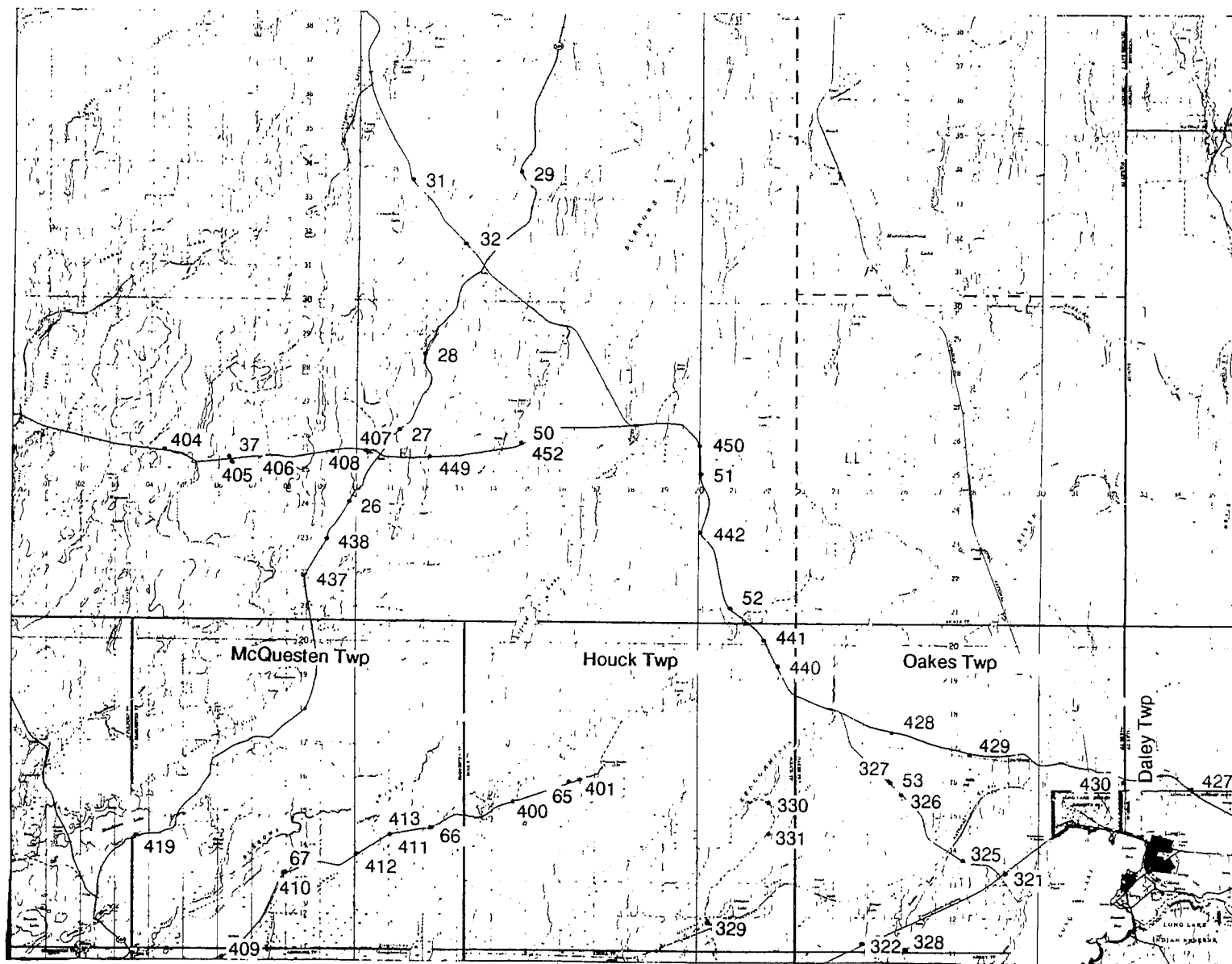
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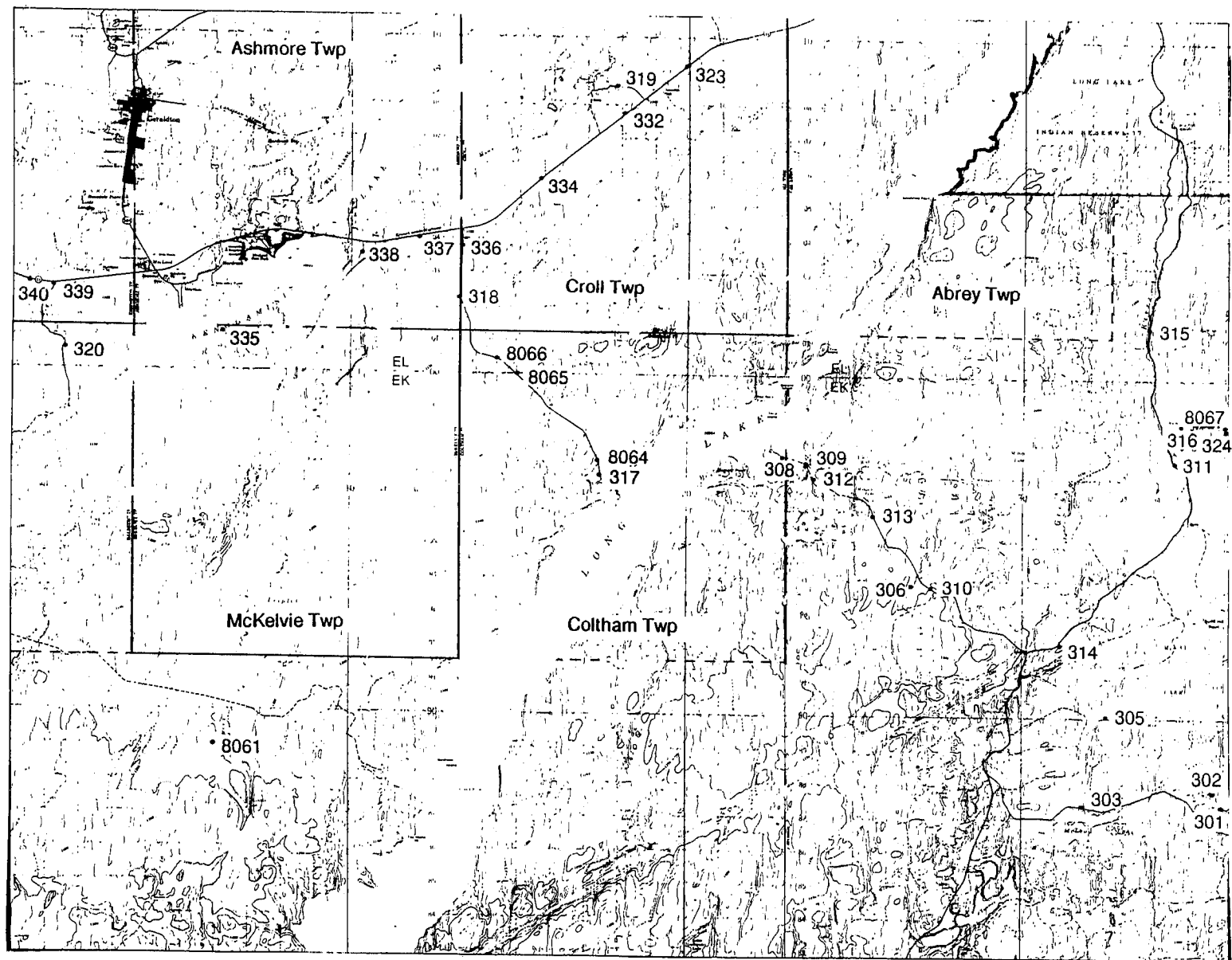
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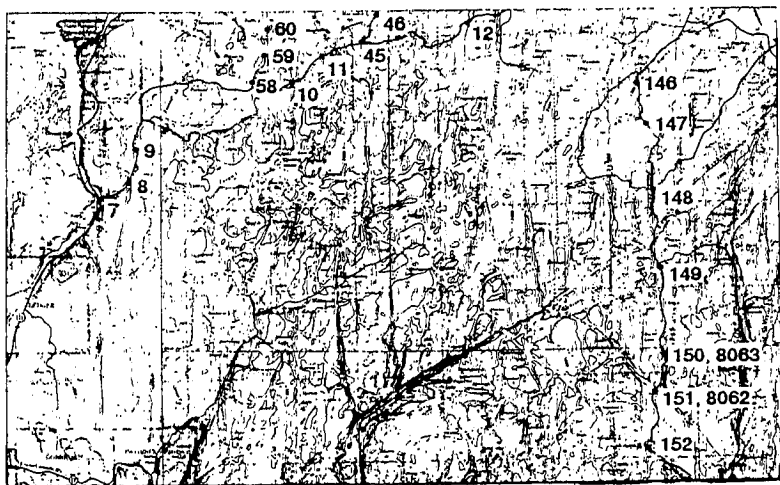




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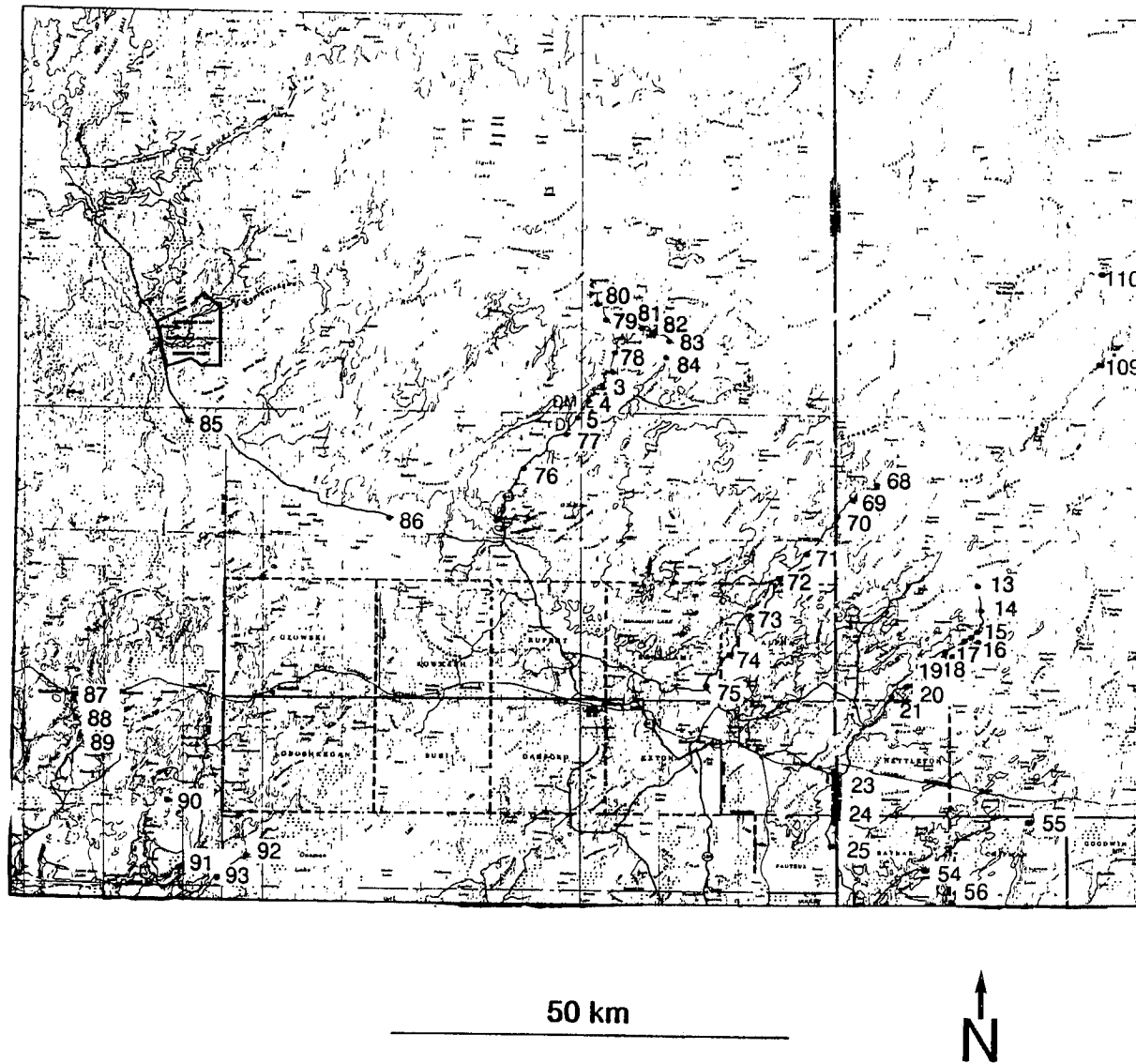


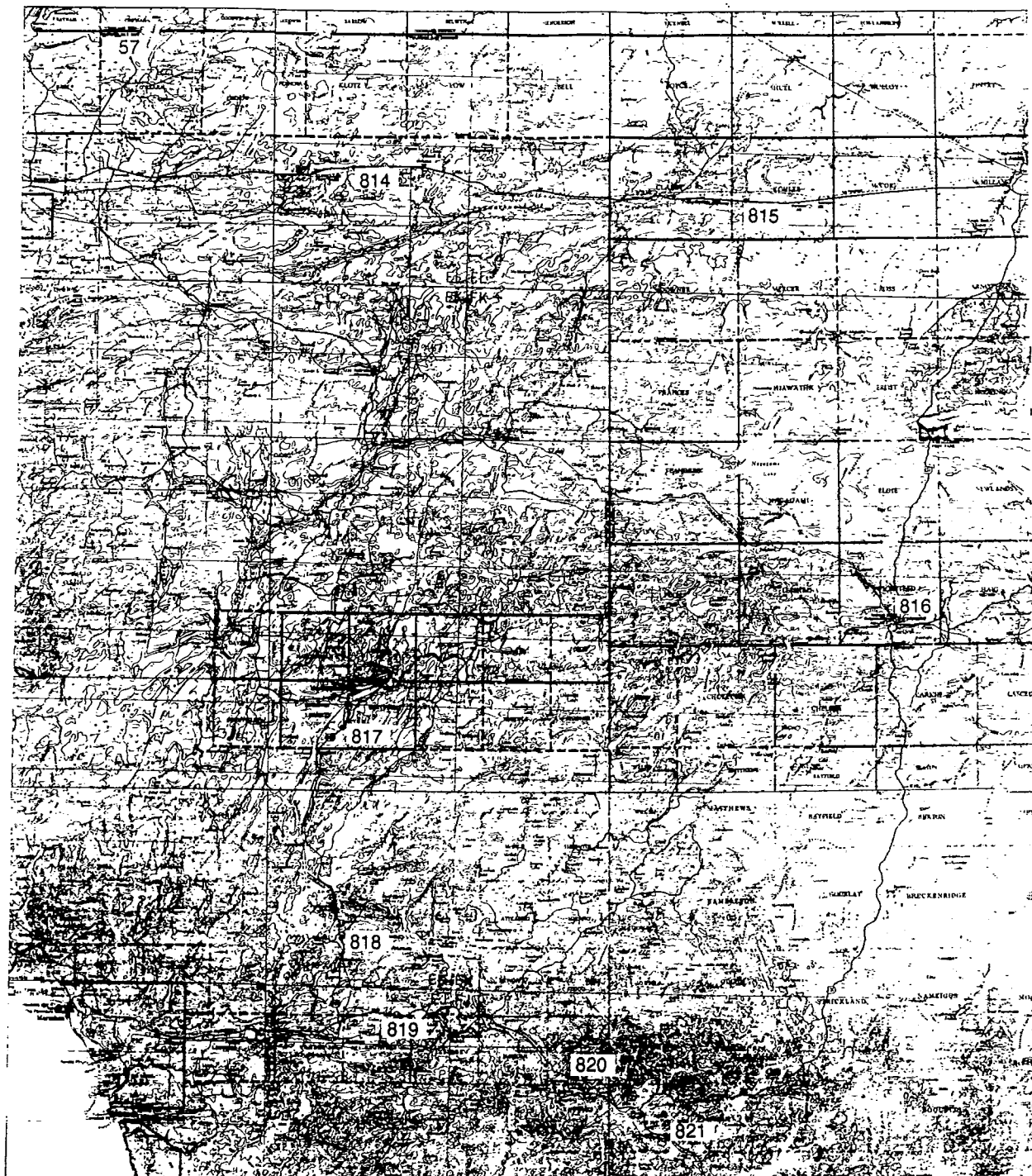
Location Map F



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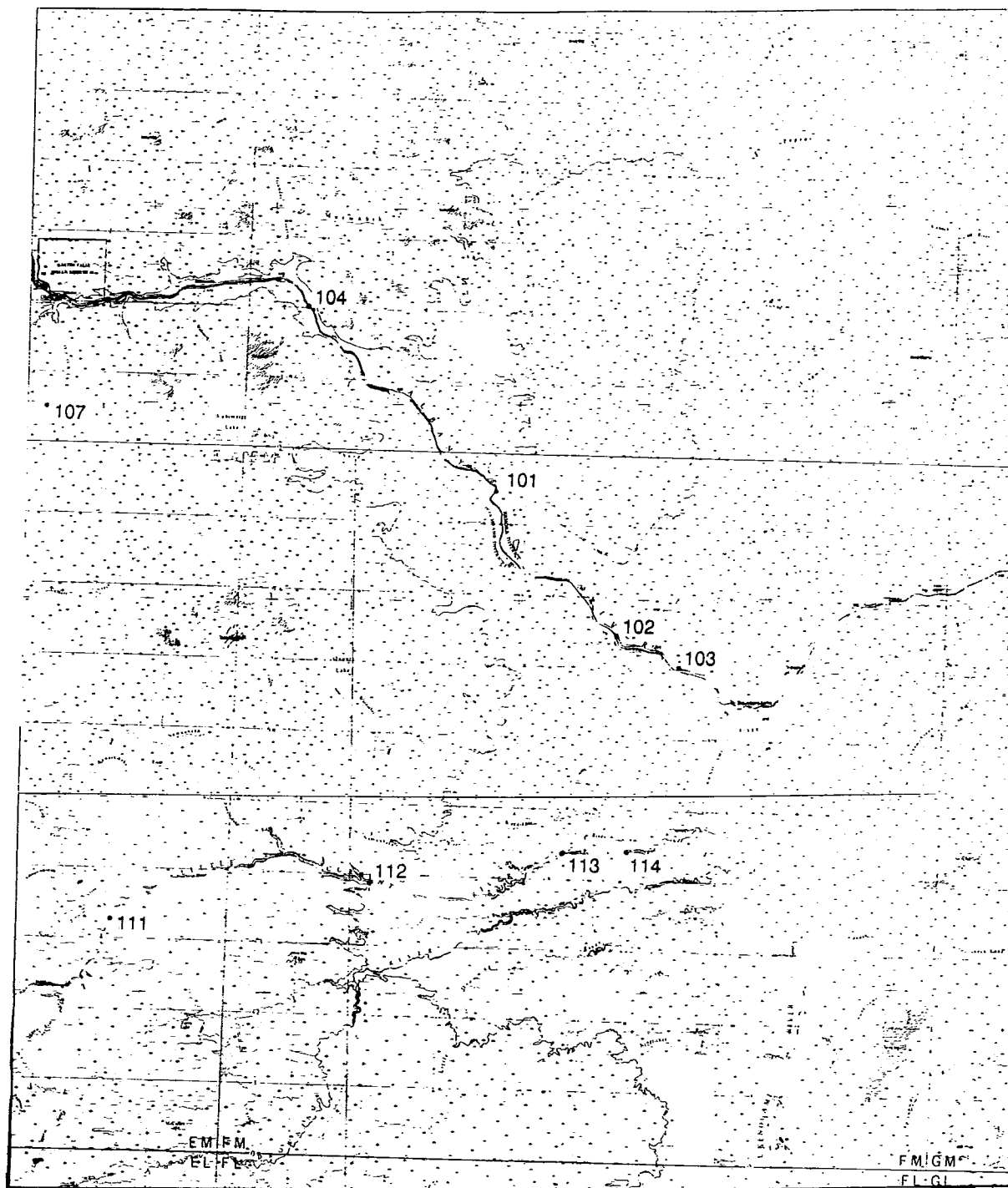




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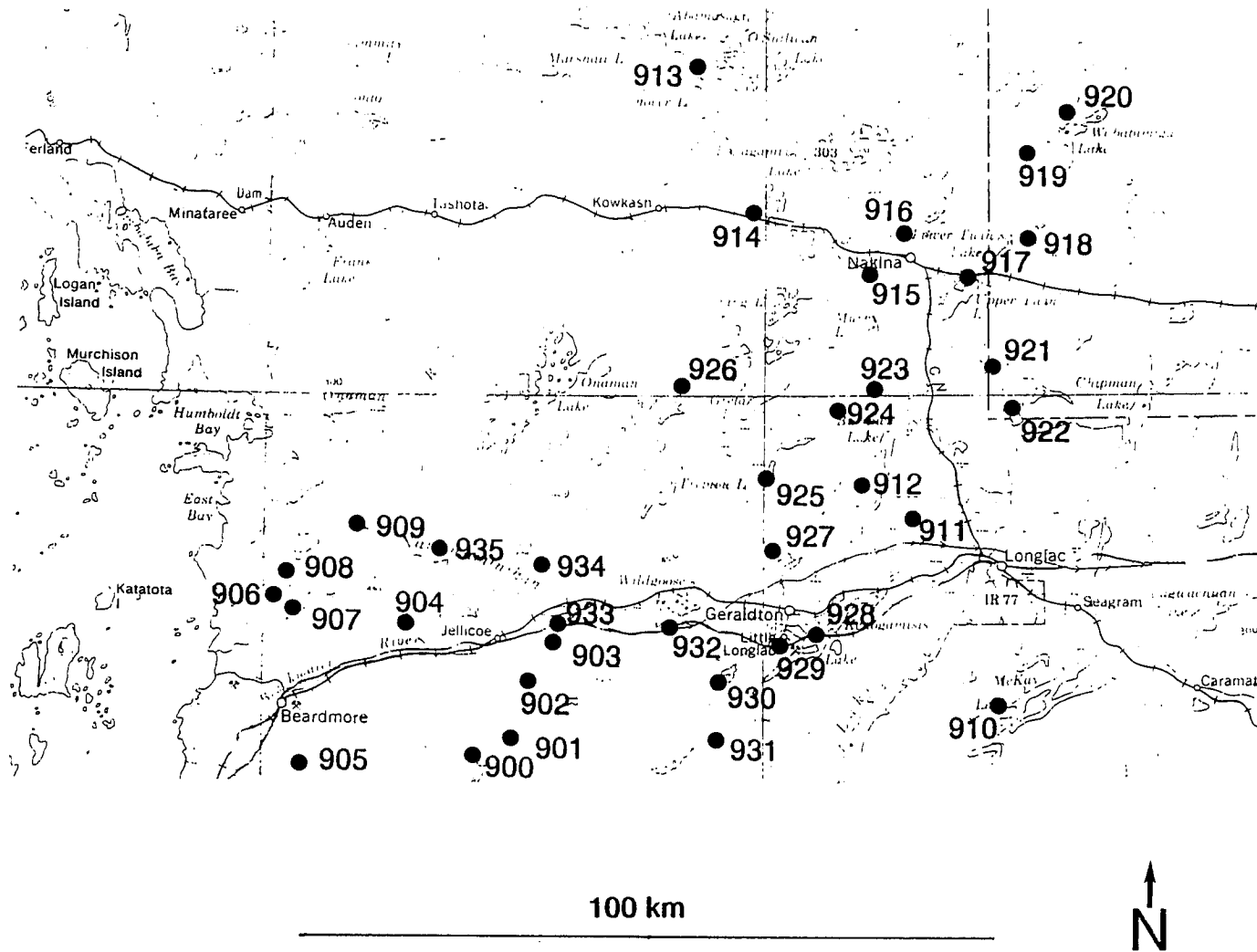
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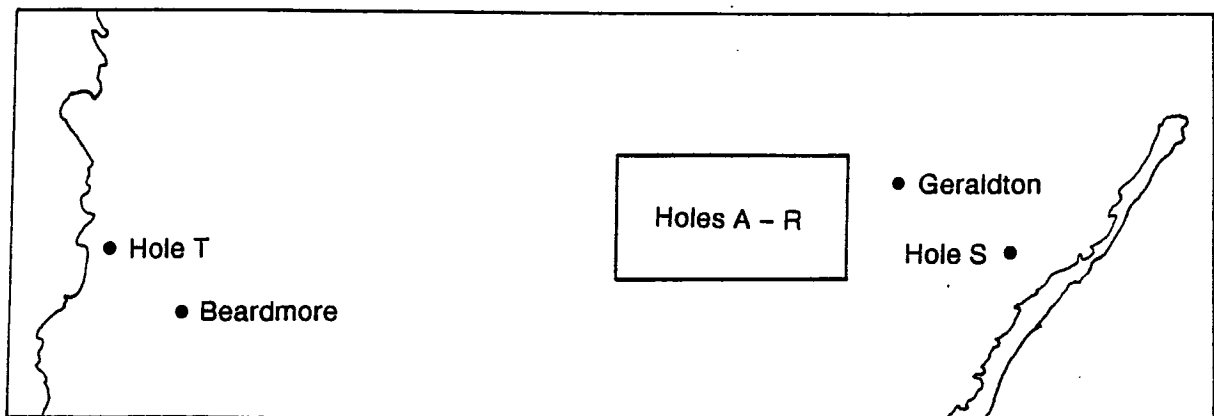
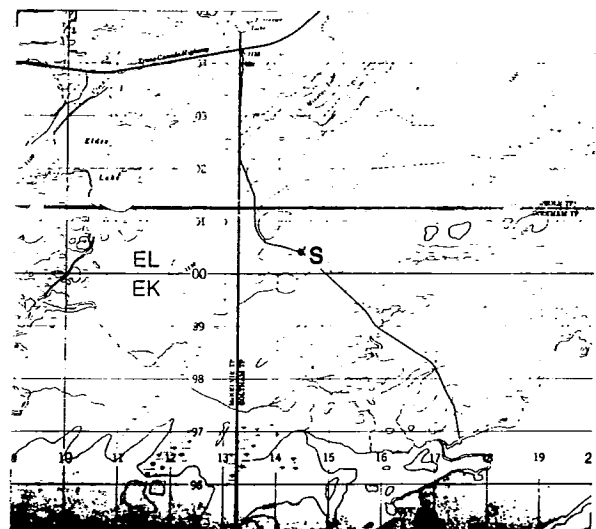
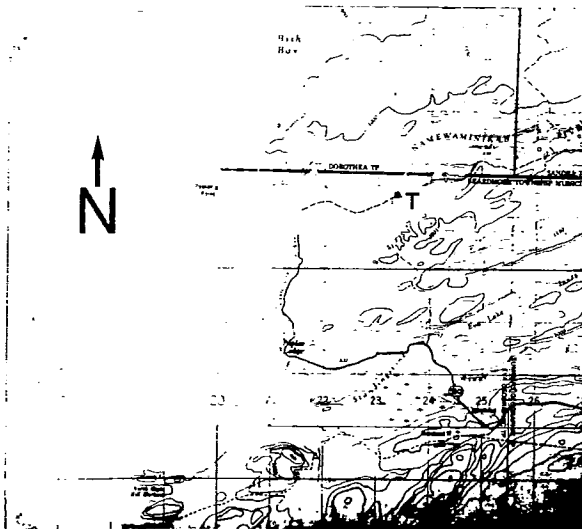
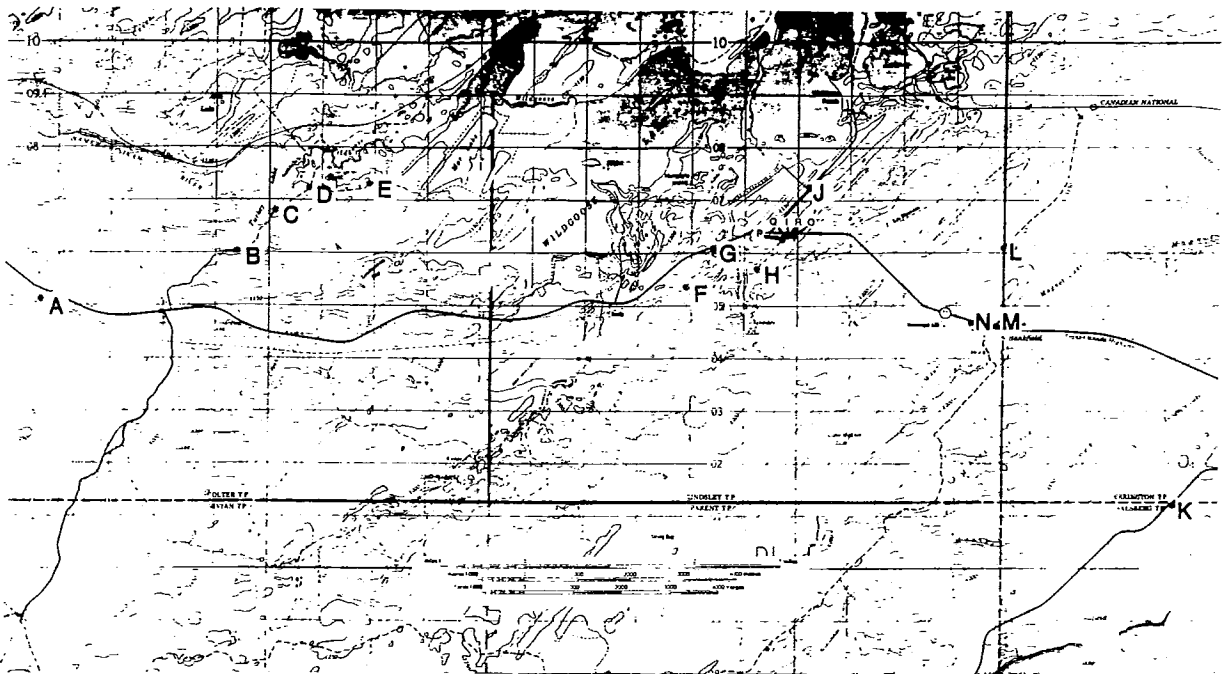


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Location Map J





Location of rotasonic overburden drillholes.

Appendix 2

Description and Lithology of Drift Samples

LOCATION		COLOUR			SAMPLE PREPARATION				SHORTWAVE ULTRAVIOLET		5.6-16mm PEBBLE LITHOLOGY			CHITTICK <63µm CARBONATE ANALYSIS				
#	Location	UTM Zone 16 Easting m	UTM Zone 16 Northing m	Depth m	Munsell Colour	Total Sample Weight kg	Heavy Min -10mesh Nonmag g	Heavy Min -10mesh Mag g	Gold Grains /10kg	Nonmag Yellow grains /10g	conc. Blue grains /10g	Carb- onate %	Gran- itic %	Metased &Meta- volc %	Calcite %	Dolomite %	Total %	Calcite/ Dolomite Ratio
Location Map A:																		
42	N of Elmhirst Twp	447200	5529250	1.0	2.5Y 6/2	10.5	12.5	10.1	0	4650	3	49.1	24.6	26.3	8.7	18.0	26.7	0.48
43	N of Elmhirst Twp	446650	5533850	2.0	2.5Y 6/2	8.9	7.7	5.2	0	3090	5	41.3	34.2	24.6	7.3	19.8	27.1	0.37
44	N of Elmhirst Twp	453600	5529750	1.5	2.5Y 6/2	8.3	5.5	4.3	0	3260	7	45.9	21.0	33.1	19.1	17.5	36.6	1.09
94	Pifher Twp	435500	5512000	1.3	2.5Y 5/2	9.3	26.4	13.9	0	1300	4	2.3	9.4	88.3	0.1	2.2	2.3	0.06
95	Pifher Twp	435700	5512000	1.8	5.0Y 4/3	11.3	69.2	21.0	0	50	1	1.3	13.6	85.1	0.0	2.1	2.1	0.01
96	Pifher Twp	441700	5518150	1.4	2.5Y 6/2	9.7	15.1	9.3	1	3090	15	1.0	9.5	89.5	4.1	13.2	17.3	0.31
97	Northwind Lake	441800	5522700	2.0	2.5Y 7/2	8.7	15.6	11.7	0	3680	9	33.7	15.1	51.2	7.5	17.2	24.7	0.44
98	Pifher Twp	444000	5513100	2.5	2.5Y 7/2	11.2	8.1	4.7	1	800	54	2.4	21.6	76.0	8.5	11.0	19.5	0.78
634	Pifher Twp	436050	5511450	1.5	5.0Y 5/3	10.4	8.1	4.4	0	11530	6	2.3	6.1	91.6	0.5	0.8	1.2	0.59
636	Irwin Twp	436750	5511200	0.4	2.5Y 5/4	12.8	4.7	3.6	30	1100	8	0.5	0.3	99.3	0.5	0.2	0.7	2.29
645	Meador Twp	430400	5511600	1.2	5.0Y 5/2	10.2	12.7	7.6	1	1380	10	1.1	8.6	90.2	0.6	0.9	1.5	0.60
646	Meador Twp	431200	5514100	1.0	2.5Y 6/4	10.2	13.7	8.7	1	1260	65	0.6	47.0	52.5	0.5	0.8	1.2	0.59
647	Meador Twp	431350	5512300	1.0	5.0Y 5/2	10.9	15.5	8.4	4	660	7	1.2	15.4	83.4	0.6	1.8	2.5	0.35
648	Sandra Twp	432600	5511400	1.0	5.0Y 5/3	12.7	17.6	8.5	0	1920	37	0.9	35.8	63.3	0.3	0.7	1.0	0.51
649	Meador Twp	433850	5511500	0.9	2.5Y 5/4	11.2	29.7	14.2	5	370	1	1.0	25.8	73.2	0.4	1.5	1.9	0.28
653	Pifher Twp	436550	5512300	1.4	2.5Y 4/4	12.1	8.9	4.7	6	1140	4	0.2	2.4	97.4	0.4	1.3	1.8	0.32
654	Pifher Twp	443550	5515600	0.7	5.0Y 5/3	13.0	7.2	3.9	1	470	3	0.7	21.5	77.8	0.4	1.1	1.6	0.38
655	Pifher Twp	444050	5516500	0.6	2.5Y 6/4	13.4	14.4	9.7	1	1180	2	2.5	21.5	76.0	0.6	1.3	1.9	0.41
656	Elmhirst Twp	445050	5516500	1.5	2.5Y 6/2	10.1	16.9	9.0	0	610	1	6.0	40.3	53.7	1.3	2.5	3.8	0.53
657	Pifher Twp	444200	5517550	0.6	2.5Y 5/4	12.1	13.4	8.4	1	840	0	2.3	25.6	72.1	0.6	1.3	1.9	0.41
658	Pifher Twp	441050	5516400	1.0	2.5Y 6/2	10.9	11.0	6.5	0	1020	2	15.1	22.4	62.6	9.0	16.0	25.0	0.56
659	Pifher Twp	436150	5518550	0.8	2.5Y 6/2	13.8	9.8	5.4	1	2180	3	21.5	24.0	54.5	11.5	17.3	28.8	0.66
660	Pifher Twp	436700	5519550	1.0	2.5Y 6/2	10.6	12.2	6.7	1	800	3	18.7	30.0	51.3	6.1	16.3	22.4	0.37
661	Pifher Twp	437400	5520150	1.0	2.5Y 6/2	10.7	10.9	6.3	0	3080	2	30.1	29.0	40.9	13.7	15.9	29.6	0.86
662	Northwind Lake	431150	5521150	1.0	2.5Y 7/2	10.1	18.2	10.5	1	1940	0	17.3	44.0	38.7	2.8	10.7	13.5	0.27
663	Northwind Lake	432450	5521050	1.0	2.5Y 6/4	13.8	18.2	12.0	0	1240	1	4.0	43.1	52.9	0.4	2.0	2.4	0.20
664	Northwind Lake	433300	5521500	1.0	2.5Y 5/2	11.2	12.9	8.6	0	2600	2	25.4	26.5	48.1	12.5	13.7	26.2	0.91
665	Northwind Lake	434650	5521450	1.0	2.5Y 6/2	11.4	13.1	8.0	0	870	5	25.0	35.4	39.5	9.4	12.3	21.7	0.76
666	Meador Twp	434700	5520550	1.0	2.5Y 6/2	10.0	11.3	7.9	0	1450	2	31.8	27.4	40.7	8.5	15.9	24.4	0.54
667	Pifher Twp	435800	5520600	0.8	2.5Y 6/2	10.8	14.9	10.6	0	2210	3	22.3	35.0	42.7	2.3	13.6	15.9	0.17
668	Pifher Twp	438550	5520750	1.0	5.0Y 5/1	10.0	9.3	6.4	1	1050	5	24.2	33.6	42.2	16.3	13.0	29.3	1.25
669	Pifher Twp	440000	5520850	1.0	2.5Y 7/2	10.0	9.8	6.8	1	940	3	13.2	40.4	46.4	11.1	16.6	27.7	0.67
670	Northwind Lake	437050	5524600	1.0	2.5Y 7/2	10.8	16.0	10.8	1	2270	2	35.6	26.0	38.4	5.2	14.6	19.8	0.35
671	Northwind Lake	435150	5523150	1.0	2.5Y 6/2	11.4	11.3	5.0	0	3120	4	8.7	68.0	23.3	3.1	13.6	16.7	0.23
672	Northwind Lake	438200	5522550	2.0	2.5Y 6/2	11.2	12.3	9.1	0	2820	3	37.9	23.8	38.3	10.4	15.1	25.5	0.69
673	Northwind Lake	440150	5522300	1.0	2.5Y 6/2	11.0	10.4	8.3	0	3410	2	37.7	20.8	41.5	4.7	14.2	18.9	0.33
674	Northwind Lake	441850	5525050	0.5	2.5Y 6/2	10.9	12.5	9.5	1	1460	6	36.2	23.4	40.4	1.9	14.5	16.4	0.13
675	Northwind Lake	442200	5524000	1.0	2.5Y 6/2	9.9	10.0	8.2	0	1070	4	38.5	20.8	40.7	5.8	17.4	23.2	0.33
676	Elmhirst Twp	445800	5516850	0.4	2.5Y 6/2	13.7	17.0	8.0	4	1080	9	1.0	65.4	33.6	0.5	0.6	1.0	0.81
677	Elmhirst Twp	448550	5519700	0.4	5.0Y 5/3	11.8	13.8	10.7	0	3400	3	9.8	58.3	31.9	1.3	9.8	11.1	0.13
678	Elmhirst Twp	448200	5519000	0.7	2.5Y 6/2	12.1	16.3	12.3	0	2130	3	16.7	37.5	45.8	4.9	16.2	21.1	0.30

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
679	Elmhirst Twp	448050	5518300	1.2	5.0Y 5/3	13.7	18.2	13.4	0	1950	4	2.4	52.4	45.1	0.3	0.5	0.9	0.63
680	Elmhirst Twp	447750	5517850	0.8	5.0Y 6/2	10.0	9.9	7.6	1	1870	9	14.6	54.9	30.5	4.2	17.3	21.5	0.24
681	Elmhirst Twp	447600	5517200	0.7	2.5Y 5/2	13.8	11.5	9.1	1	990	10	21.6	35.3	43.1	11.5	17.2	28.7	0.67
682	Elmhirst Twp	446350	5516450	0.6	2.5Y 5/2	10.3	14.0	9.6	0	830	9	16.0	39.7	44.3	7.3	13.9	21.2	0.52
683	Elmhirst Twp	447600	5515550	0.6	2.5Y 6/2	12.2	18.0	9.9	6	990	2	1.5	35.4	63.1	0.7	0.3	1.0	2.00
684	Elmhirst Twp	447000	5516250	0.5	5.0Y 6/2	10.6	11.4	7.7	1	1520	4	10.4	52.5	37.0	2.9	12.0	14.9	0.24
685	Elmhirst Twp	454025	5515000	0.4	5.0Y 6/3	10.0	12.2	8.4	2	1880	5	8.4	14.0	77.7	11.7	13.8	25.5	0.85
686	Elmhirst Twp	452150	5511600	1.3	2.5Y 6/2	10.0	15.5	11.4	3	3470	8	18.3	29.2	52.5	13.6	15.9	29.5	0.86
687	Rickaby Twp	458450	5515550	0.4	5.0Y 6/2	10.0	15.6	11.6	3	1170	9	25.5	27.8	46.7	3.0	20.8	23.8	0.15
688	Elmhirst Twp	452300	5520250	0.4	5.0Y 5/3	11.5	25.5	19.2	1	880	3	19.0	17.5	63.5	5.4	15.5	20.9	0.35
689	Rickaby Twp	459000	5519050	0.4	2.5Y 6/2	12.2	18.5	14.8	0	1300	3	28.8	30.8	40.4	7.9	14.5	22.4	0.54
690	Rickaby Twp	459750	5519800	1.3	2.5Y 6/2	10.5	14.3	11.7	0	1900	6	40.6	25.3	34.1	14.0	14.7	28.7	0.95
691	Rickaby Twp	458250	5518755	1.3	2.5Y 6/2	12.0	14.5	11.6	0	1250	4	42.6	20.0	37.3	13.4	16.9	30.3	0.79
692	N of Rickaby Twp	456550	5522650	1.2	5.0Y 5/3	10.6	18.9	14.4	4	1290	4	19.4	45.3	35.3	5.8	14.7	20.5	0.39
693	Elmhirst Twp	453050	5517450	0.7	5.0Y 5/2	10.6	15.2	13.3	0	4870	5	26.3	20.1	53.6	5.0	16.5	21.5	0.30
694	Rickaby Twp	456400	5516150	0.6	2.5Y 5/2	10.0	15.4	9.9	1	1170	4	23.5	23.7	52.7	10.0	18.4	28.4	0.54
695	Rickaby Twp	457150	5516570	0.5	5.0Y 5/1	10.0	19.3	14.1	0	850	4	20.4	41.8	37.8	7.8	14.9	22.7	0.52
697	Rickaby Twp	458450	5517000	1.3	2.5Y 6/2	10.0	17.8	13.0	0	950	4	27.3	32.3	40.4	6.8	17.2	24.0	0.40
8041	Irwin Twp	436750	5511200	0.5	5.0Y 5/2	13.4	8.6	5.3	31	600	24	0.6	7.9	91.5	0.0	1.6	1.6	0.00
8042	Meader Twp	433850	5511500	1.0	2.5Y 5/4	15.8	31.3	17.0	6	80	1	2.7	15.3	82.0	0.0	0.0	0.0	
8043	Pifher Twp	436550	5512300	1.0	2.5Y 5/4	19.0	20.9	11.9	5	560	5	0.3	8.2	91.5	0.0	0.0	0.0	
8044	Pifher Twp	444000	5513100	1.5	2.5Y 6/2	17.0	14.1	9.0	14	820	16	1.4	17.9	80.7	7.2	11.4	18.6	0.63
8049	Rickaby Twp	457150	5516600	0.7	2.5Y 6/2	16.8	19.4	15.7	2	590	2	23.5	24.4	52.1	4.6	15.4	20.0	0.30
Location Map B:																		
47	S of Jellicoe	453450	5483450	1.2	2.5Y 5/2	8.6	8.7	5.5	0	2720	8	47.8	20.3	31.9	19.5	16.0	35.5	1.22
48	S of Jellicoe	455850	5488450	1.4	2.5Y 6/2	9.4	7.7	4.7	0	2960	6	24.7	29.8	45.5	14.1	16.5	30.6	0.85
49	S of Jellicoe	455650	5491350	1.4	2.5Y 6/2	8.1	8.2	4.5	0	2130	7	33.8	29.9	36.3	18.0	13.7	31.7	1.31
61	SE of Beardmore	438600	5485050	1.4	2.5Y 5/2	8.2	14.2	4.9	0	2510	5	22.5	31.2	46.2	13.4	10.4	23.8	1.29
62	Eva Twp	424750	5496900	1.5	2.5Y 6/2	10.4	20.0	8.5	1	2960	5	12.1	15.3	72.6	5.9	14.8	20.7	0.40
63	Irwin Twp	441650	5505900	1.1	2.5Y 6/2	8.7	20.2	8.2	0	2920	3	23.5	19.6	56.8	16.0	13.2	29.2	1.21
64	Irwin Twp	442200	5502900	1.0	2.5Y 6/2	8.4	14.4	5.7	0	2350	2	22.5	6.0	71.6	13.9	16.5	30.4	0.84
600	S of Jellicoe	453250	5483100	0.8	2.5Y 5/2	8.9	10.4	5.8	0	3300	8	11.4	31.2	57.4	0.7	2.2	3.0	0.33
601	S of Jellicoe	453550	5483700	0.8	2.5Y 5/2	13.8	15.3	9.8	0	2320	24	33.5	25.3	41.3	5.4	17.3	22.7	0.31
602	S of Jellicoe	453800	5484450	1.0	2.5Y 6/2	13.2	14.6	9.2	0	1190	2	44.2	16.0	39.8	5.7	18.3	24.0	0.31
603	S of Jellicoe	454900	5486800	1.0	2.5Y 6/2	9.0	4.4	5.9	0	3030	111	17.4	16.1	66.5	4.9	15.6	20.5	0.31
604	Leduc Twp	457850	5504600	0.3	2.5Y 5/4	13.7	9.6	9.9	1	1200	1	5.1	32.0	62.9	0.4	1.1	1.5	0.39
605	Walters Twp	451300	5503050	0.3	2.5Y 5/4	12.5	11.3	17.2	0	2690	1	4.5	20.5	75.0	0.2	1.3	1.5	0.13
606	Walters Twp	446400	5507850	0.5	2.5Y 5/4	13.6	15.7	14.9	2	1580	10	4.1	38.9	57.0	0.7	1.0	1.7	0.65
607	Irwin Twp	443350	5510500	1.0	2.5Y 4/2	10.4	15.5	10.1	14	3810	6	0.6	33.7	65.7	0.6	1.0	1.6	0.54
608	Irwin Twp	443050	5510400	0.6	2.5Y 5/2	10.9	11.2	7.0	68	3300	151	1.7	34.5	63.8	0.7	2.4	3.1	0.31
609	Irwin Twp	444600	5509050	0.5	2.5Y 5/2	10.7	19.4	11.6	21	2590	16	0.9	59.2	39.9	0.6	1.3	1.9	0.41
610	Walters Twp	447750	5506450	0.5	10 YR5/6	12.0	14.5	13.4	3	1210	4	3.6	22.2	74.3	0.6	0.9	1.5	0.61
611	Leduc Twp	457550	5504550	0.2	10 YR4/4	12.0	4.7	3.9	0	780	5	6.6	32.8	60.7	0.4	1.1	1.5	0.39
612	Walters Twp	449800	5504400	0.8	10 YR4/4	10.3	17.5	9.1	1	680	2	2.2	34.9	62.9	0.6	0.9	1.5	0.61
613	Walters Twp	447950	5501950	1.0	2.5Y 6/2	10.0	15.0	11.7	0	3940	3	45.6	21.1	33.3	10.4	14.7	25.1	0.71
614	Irwin Twp	441650	5504100	0.5	2.5Y 5/2	11.3	9.5	16.3	0	360	4	7.9	11.2	80.8	4.8	12.1	16.9	0.40
615	Irwin Twp	439100	5504650	1.0	2.5Y 5/2	10.0	14.9	9.9	0	4760	2	1.3	21.8	76.9	0.4	1.1	1.5	0.39
616	Walters Twp	452350	5509400	0.6	2.5Y 6/4	10.0	8.8	1.5	0	5260	7	19.6	21.4	58.9	13.7	13.9	27.6	0.99
617	Walters Twp	449050	5508700	0.5	2.5Y 6/4	12.9	12.4	4.9	0	3770	4	2.5	31.1	66.4	0.6	1.2	1.8	0.44
618	Irwin Twp	439350	5501700	0.5	2.5Y 5/2	10.3	12.2	7.3	2	3850	3	4.8	15.8	79.4	1.1	11.7	12.8	0.09
619	Irwin Twp	441000	5502100	0.2	10 YR5/4	12.8	10.2	1.4	1	1770	4	2.0	19.4	78.6	0.6	1.3	1.9	0.41
620	Irwin Twp	441150	5502400	0.5	2.5Y 4/4	10.8	14.7	1.1	1	2450	8	0.6	12.9	86.5	0.5	0.7	1.1	0.69
621	Beardmore	433300	5497700	1.0	2.5Y 6/2	10.0	15.9	13.5	0	1120	5	13.0	24.1	62.9	8.0	11.0	19.0	0.73

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
622	Beardmore	430750	5497250	1.0	2.5Y 6/2	11.8	9.2	7.5	0	1900	11	11.7	21.9	66.5	14.7	12.4	27.1	1.19
623	Beardmore	428950	5497550	0.7	2.5Y 5/4	13.9	17.8	12.3	1	1980	8	3.5	21.7	74.9	0.6	0.9	1.5	0.61
624	Beardmore	427850	5497500	1.0	2.5Y 6/2	10.6	10.3	7.0	0	2320	9	16.7	22.9	60.4	9.0	14.4	23.4	0.63
625	S of Beardmore	425450	5485350	0.3	5.0Y 5/3	10.8	8.9	7.2	4	2990	14	21.2	32.9	45.9	15.5	11.5	27.0	1.35
626	S of Beardmore	429300	5486600	0.8	2.5Y 5/2	10.0	8.2	2.3	1	2700	9	1.1	11.4	87.5	0.6	0.8	1.4	0.73
627	S of Beardmore	427450	5487800	0.2	5.0Y 5/3	12.1	8.9	5.4	2	2760	8	15.7	31.2	53.1	9.3	12.8	22.1	0.73
628	S of Beardmore	429550	5490800	0.6	2.5Y 4/4	10.4	8.0	3.7	1	4550	9	3.7	19.8	76.5	0.5	0.8	1.2	0.59
629	S of Beardmore	429550	5491600	0.6	10 YR5/6	12.5	9.0	6.1	3	17860	31	2.9	10.2	86.9	0.4	1.1	1.5	0.39
630	S of Beardmore	428600	5491700	0.6	10 YR4/4	11.8	13.5	1.0	24	5450	14	0.3	7.9	91.8	0.5	0.8	1.2	0.59
631	Beardmore	429300	5499200	0.6	2.5Y 6/4	10.8	16.6	10.8	9	2120	4	2.4	28.0	69.6	0.3	0.8	1.1	0.40
632	Beardmore	429950	5499750	0.6	2.5Y 5/4	10.6	13.0	7.4	4	1690	5	3.7	23.7	72.6	0.5	0.8	1.2	0.59
633	Beardmore	429800	5500750	1.0	2.5Y 5/2	11.5	11.7	2.4	0	2050	6	15.2	17.3	67.6	9.4	16.8	26.2	0.56
635	Irwin Twp	436650	5511000	1.0	5.0Y 5/3	10.3	5.2	3.8	99	690	41	0.0	2.3	97.7	0.6	0.7	1.2	0.85
640	Sandra Twp	429250	5508550	1.5	5.0Y 5/3	10.1	67.9	43.0	0	110	1	0.2	4.8	95.0	0.5	0.7	1.1	0.69
641	Sandra Twp	426600	5509050	1.0	5.0Y 5/2	13.8	90.9	48.2	1	100	0	0.0	3.1	96.9	0.6	0.5	1.0	1.24
642	Beardmore	427050	5494250	0.6	2.5Y 4/4	10.7	10.8	7.0	3	3130	2	0.8	10.4	88.8	0.8	0.6	1.4	1.40
643	Beardmore	430250	5494800	0.6	2.5Y 5/4	13.0	12.0	9.7	2	480	17	4.8	10.5	84.7	0.5	0.7	1.1	0.69
644	Beardmore	428700	5493900	0.6	2.5Y 4/4	11.1	11.7	9.0	4	730	1	2.4	9.1	88.5	0.5	0.8	1.2	0.59
650	S of Beardmore	429950	5486250	0.5	2.5Y 5/2	11.5	11.8	1.9	1	960	11	5.8	30.2	64.0	0.8	3.2	4.0	0.25
651	S of Beardmore	431650	5486050	0.5	5.0Y 6/2	12.7	9.4	4.5	2	1230	9	11.6	25.8	62.6	13.5	14.7	28.2	0.92
652	SE of Beardmore	438400	5487450	0.4	2.5Y 6/2	10.5	16.6	8.1	1	2070	6	2.3	35.7	62.0	0.4	1.1	1.6	0.38
698	Vincent Twp	450350	5493150	1.3	2.5Y 6/2	10.0	15.3	11.0	0	1770	12	16.6	21.7	61.6	7.8	15.9	23.7	0.49
699	S of Jellicoe	449500	5487200	0.3	2.5Y 6/2	11.6	15.4	12.0	0	1150	5	26.7	23.7	49.7	7.4	16.3	23.7	0.45
700	S of Jellicoe	448900	5485550	1.0	2.5Y 4/2	12.0	9.2	7.0	0	3140	18868	0.0	8.6	91.4	0.3	0.9	1.2	0.36
701	SE of Beardmore	443350	5483150	0.7	5.0Y 6/2	10.6	17.9	13.6	0	300	0	34.7	24.1	41.2	6.8	15.7	22.5	0.43
702	SE of Beardmore	440400	5483900	1.0	5.0Y 6/2	10.4	18.5	12.7	0	8240	5	19.7	24.8	55.4	5.6	12.3	17.9	0.46
703	SE of Beardmore	441400	5484650	0.5	5.0Y 6/2	11.2	12.8	13.4	0	900	7	24.0	27.0	49.0	3.4	11.9	15.3	0.28
704	SE of Beardmore	442700	5484750	0.5	5.0Y 5/2	10.0	21.1	14.1	0	670	1	15.0	34.7	50.3	3.2	13.9	17.1	0.23
705	SE of Beardmore	443700	5485380	0.6	2.5Y 6/2	10.0	16.9	11.1	0	2030	4	12.1	28.6	59.3	3.9	9.5	13.3	0.41
706	SE of Beardmore	438750	5487100	0.7	2.5Y 7/2	10.4	24.3	16.3	0	930	3	5.1	32.1	62.8	0.3	0.9	1.2	0.36
707	SE of Beardmore	439550	5487100	0.6	2.5Y 6/2	10.6	23.1	16.4	0	740	1	21.5	21.7	56.8	2.2	9.3	11.5	0.24
708	SE of Beardmore	441450	5486950	0.5	2.5Y 5/2	11.1	18.5	14.0	0	1290	6	18.4	22.8	58.8	11.2	11.3	22.5	0.99
709	Vincent Twp	448050	5493550	0.5	2.5Y 6/2	10.0	20.1	13.3	0	1250	3	10.3	19.3	70.4	9.6	15.8	25.4	0.61
710	Vincent Twp	448350	5493750	0.6	2.5Y 6/2	10.0	16.2	12.0	0	1060	23	17.0	21.9	61.1	14.3	19.9	34.2	0.72
711	Vincent Twp	453450	5494250	1.0	5.0Y 5/3	10.0	22.6	17.3	0	210	3	24.0	17.9	58.1	1.7	4.8	6.4	0.35
712	S of Jellicoe	447450	5490150	0.5	5.0Y 5/3	10.8	17.7	6.1	0	1410	56	1.9	33.8	64.3	0.3	0.9	1.2	0.36
8001	Kitto Twp	423200	5483550	1.5	5.0Y 5/2	15.6	13.0	8.8	0	940	9	22.3	14.7	62.9	11.4	11.8	23.2	0.97
8002	Kitto Twp	424900	5484950	1.5	5.0Y 5/2	12.7	11.7	6.6	0	1020	5	20.1	12.8	67.1	13.4	13.8	27.2	0.97
8003	S of Beardmore	426300	5486000	1.0	2.5Y 4/2	12.6	23.1	9.8	0	760	6	0.1	1.9	97.9	0.0	1.2	1.2	0.00
8004	S of Beardmore	426750	5486600	0.7	2.5Y 5/4	12.1	5.4	2.0	0	950	42	0.1	1.2	98.8	0.0	0.0	0.0	0.00
8005	S of Beardmore	428000	5488650	0.7	2.5Y 4/4	16.3	18.3	10.5	0	480	15	2.3	15.2	82.4	0.0	1.0	1.0	0.00
8006	S of Beardmore	428750	5489650	0.5	2.5Y 6/2	15.0	20.7	11.1	0	1150	3	1.6	13.3	85.2	0.0	1.0	1.0	0.00
8007	S of Beardmore	429200	5490200	0.4	2.5Y 5/2	15.7	26.4	10.4	0	670	2	4.7	17.0	78.2	0.0	2.8	2.8	0.00
8008	S of Beardmore	428600	5491700	0.7	2.5Y 5/2	13.0	34.4	1.3	25	370	6	0.1	5.9	93.9	0.0	1.0	1.0	0.00
8009	Beardmore	430650	5493700	1.0	2.5Y 5/4	16.1	30.4	23.7	15	580	4	1.2	7.7	91.1	0.0	2.0	2.0	0.00
8010	Eva Twp	424750	5496900	1.0	2.5Y 5/2	16.1	31.8	11.1	2	560	5	2.5	23.4	74.1	0.0	1.0	1.0	0.00
8011	McComber Twp	442100	5497100	0.5	2.5Y 4/2	15.1	12.7	4.0	8	470	11	1.5	17.5	81.0	0.6	0.0	0.6	0.00
8012	McComber Twp	441400	5497000	0.4	2.5Y 4/4	14.4	17.5	13.1	16	1010	12	2.5	17.3	80.2	0.3	0.0	0.3	0.00
8013	McComber Twp	440700	5496700	0.6	2.5Y 4/4	14.1	19.3	12.6	33	460	11	1.3	17.1	81.6	0.0	0.0	0.0	0.00
8014	McComber Twp	440100	5496350	0.7	2.5Y 4/4	16.8	13.3	7.7	10	900	17	1.3	9.5	89.2	0.3	0.0	0.3	0.00
8015	McComber Twp	439250	5496300	0.6	2.5Y 5/4	15.0	24.4	1.4	9	740	4	0.9	11.3	87.7	0.0	0.0	0.0	0.00
8016	McComber Twp	437600	5496350	0.7	2.5Y 5/4	14.7	16.8	8.9	15	1090	7	1.6	14.6	83.8	0.0	0.0	0.0	0.00
8017	McComber Twp	437900	5496750	0.5	2.5Y 5/4	11.9	7.2	0.4	8	2670	48	0.8	11.0	88.2	0.0	1.0	1.0	0.00

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
8018	McComber Twp	438050	5497300	0.4	2.5Y 4/4	13.2	6.7	6.2	27	2780	22	2.0	12.0	86.0	0.3	0.0	0.3	
8019	McComber Twp	435600	5495800	0.5	2.5Y 5/4	15.2	3.7	0.8	0	1990	66	0.8	12.7	86.5	0.3	0.0	0.3	
8020	McComber Twp	435800	5496300	0.7	2.5Y 5/2	16.5	11.6	7.7	6	210	1	0.8	8.4	90.7	0.3	0.0	0.3	
8021	Beardmore	433100	5495700	0.7	2.5Y 5/4	12.8	13.0	6.0	12	890	27	0.6	13.4	86.0	0.3	0.0	0.3	
8036	Irwin Twp	439700	5507250	0.5	2.5Y 5/4	13.5	13.7	10.2	1	2650	4	1.0	7.8	91.2	0.6	0.6	1.2	1.00
8037	Irwin Twp	437600	5506500	2.0	2.5Y 4/4	15.7	6.5	4.3	10	1850	77	0.0	0.0	100.0	0.3	0.0	0.3	
8038	Irwin Twp	438450	5506650	1.0	2.5Y 5/4	17.1	11.3	9.1	8	1590	3	0.0	1.6	98.3	0.3	0.0	0.3	
8039	Sandra Twp	430000	5502400	0.7	2.5Y 5/4	11.9	18.8	15.2	8	940	3	1.9	6.1	92.0	2.6	8.6	11.2	0.30
8040	Irwin Twp	436650	5511000	1.0	2.5Y 4/2	17.2	8.9	5.8	156	960	19	0.0	2.4	97.6	0.0	0.0	0.0	
8045	Irwin Twp	443350	5510450	1.0	2.5Y 6/4	13.4	15.5	12.3	26	1090	12	1.7	33.0	65.3	0.0	1.0	1.0	0.00
8046	Irwin Twp	444650	5509050	1.0	2.5Y 5/2	15.2	18.4	12.4	7	940	23	0.2	58.3	41.6	0.0	0.0	0.0	
8047	Clist Lake	454850	5499300	0.4	10YR 5/4	14.9	27.3	2.1	9	1680	2	1.0	22.7	76.2	0.0	1.0	1.0	0.00
8048	Clist Lake	455600	5499350	0.4	10YR 6/4	14.2	27.3	18.2	1	1400	1	0.9	6.5	92.6	0.0	0.0	0.0	
8050	S of Jellicoe	448900	5485550	1.0	5.0Y 4/2	17.5	5.4	3.0	0	0	13423	0.1	0.3	99.6	0.0	1.0	1.0	0.00
Location Map C:																		
33	Treptow Lake	489000	5537250	2.3	2.5Y 6/2	8.4	9.9	6.6	0	3550	8	45.9	21.6	32.5	13.4	18.4	31.8	0.73
34	Treptow Lake	490250	5534800	1.0	2.5Y 6/2	7.7	11.3	9.1	5	1670	2	34.6	22.7	42.7	11.9	15.4	27.3	0.77
35	Treptow Lake	493900	5530100	1.4	2.5Y 6/2	8.1	11.3	8.2	0	3180	3	47.4	17.4	35.3	18.8	13.6	32.4	1.38
36	N of Fulford Twp	497600	5526950	2.0	5.0Y 5/2	8.2	7.3	4.7	0	3210	3	42.7	16.7	40.6	18.7	14.0	32.7	1.34
38	Treptow Lake	483750	5525400	1.0	2.5Y 5/2	9.9	8.5	6.1	0	2120	4	49.9	21.4	28.8	18.8	15.6	34.4	1.21
39	Treptow Lake	486300	5527800	2.7	2.5Y 6/2	8.4	8.5	5.7	0	4180	4	52.2	10.1	37.6	17.3	17.7	35.0	0.98
40	N of Fulford Twp	498500	5520800	0.9	2.5Y 6/2	5.4	8.6	5.6	0	640	0	28.6	48.5	22.9	7.6	18.0	25.6	0.42
41	Altitude Lake	472800	5522300	1.0	2.5Y 7/2	8.2	14.5	12.0	0	4020	4	21.0	43.5	35.5	9.1	15.0	24.1	0.60
402	Lapierre Twp	470950	5519050		2.5Y 4/4	12.9	23.4	16.4	5	1500	4	3.1	32.9	64.0	0.6	0.8	1.4	0.73
403	Lapierre Twp	469900	5518350		2.5Y 5/2	16.2	18.6	16.1	1	2400	6	30.1	20.2	49.7	12.9	16.4	29.3	0.79
414	Lapierre Twp	472250	5520300		2.5Y 7/2	16.0	15.2	12.4	1	2910	3	47.4	15.3	37.3	13.5	17.6	31.1	0.77
415	Altitude Lake	472450	5522000		2.5Y 6/2	13.3	18.7	12.8	0	2440	6	15.1	29.9	55.0	3.0	14.3	17.3	0.21
416	Altitude Lake	473000	5522450		2.5Y 7/2	12.9	24.6	20.9	2	2070	5	16.5	33.4	50.1	7.6	16.2	23.8	0.47
417	Altitude Lake	472850	5522880		2.5Y 6/2	14.3	14.3	12.6	0	3180	29	22.8	36.4	40.9	6.0	18.3	24.3	0.33
418	Lapierre Twp	472050	5519800		2.5Y 5/6	12.4	14.9	11.3	1	2970	4	3.1	23.7	73.2	0.3	0.9	1.2	0.36
420	Altitude Lake	471600	5523550		2.5Y 7/2	12.1	15.7	14.4	1	2160	4	50.5	17.7	31.8	10.1	15.7	25.8	0.64
421	Altitude Lake	470500	5523050		2.5Y 6/6	10.3	19.3	11.8	2	2600	1	6.2	24.9	69.0	0.1	0.5	0.6	0.20
422	Altitude Lake	473250	5522500		2.5Y 6/6	12.0	17.5	13.8	3	2120	5	1.8	40.6	57.6	0.3	0.9	1.2	0.36
423	Altitude Lake	473650	5521900		2.5Y 5/6	11.0	11.6	9.3	1	1420	6	3.4	31.0	65.6	0.2	0.6	0.8	0.34
424	Lapierre Twp	469600	5517350		2.5Y 7/4	15.3	14.3	11.0	0	2450	2	47.1	25.0	27.9	7.0	19.8	26.8	0.35
425	Lapierre Twp	471550	5517450		2.5Y 6/4	12.8	22.2	17.5	0	510	4	33.2	31.0	35.9	2.8	17.7	20.5	0.16
426	N of Fulford Twp	497800	5526900		2.5Y 7/4	16.9	11.1	9.2	0	1010	5	41.4	22.4	36.2	14.4	16.0	30.4	0.90
431	Lapierre Twp	468050	5516600		2.5Y 5/4	12.9	25.4	19.0	2	1310	2	5.5	33.4	61.1	0.2	0.4	0.6	0.56
432	Lapierre Twp	468000	5516450		2.5Y 6/2	11.5	11.0	7.2	0	1490	3	47.8	23.9	28.4	14.4	15.7	30.1	0.92
433	Lapierre Twp	467600	5515250		2.5Y 6/2	14.0	13.3	9.5	1	2750	6	46.6	19.5	33.9	12.9	16.3	29.2	0.79
434	Lapierre Twp	466550	5518300		2.5Y 5/4	14.2	28.8	23.4	1	1560	3	7.2	37.7	55.1	0.6	0.8	1.4	0.71
435	Lapierre Twp	465650	5518250		2.5Y 5/4	13.8	26.6	18.1	3	450	2	4.0	38.6	57.4	0.2	0.5	0.7	0.43
436	Rickaby Twp	464350	5518200		2.5Y 5/4	12.9	24.9	14.2	2	1350	2	5.5	32.1	62.4	0.3	1.0	1.4	0.31
439	N of Fulford Twp	498600	5521800		2.5Y 6/4	18.8	16.1	13.5	0	1380	4	46.2	20.6	33.3	10.2	19.4	29.6	0.53
443	Hipel Twp	479650	5515050		2.5Y 6/6	9.3	15.8	9.9	0	2140	4	3.3	59.5	37.1	0.4	1.4	1.8	0.30
444	Hipel Twp	479050	5513650		2.5Y 5/4	11.8	16.6	5.9	1	2010	3	38.7	22.6	38.7	2.1	15.8	17.9	0.13
445	Hipel Twp	480600	5514900		2.5Y 6/4	8.2	11.7	8.1	0	2850	6	11.3	29.2	59.5	0.6	2.8	3.3	0.21
446	Hipel Twp	481550	5516750		2.5Y 6/4	8.0	13.3	8.9	0	1670	3	8.6	44.4	47.0	0.5	0.7	1.1	0.69
447	Fulford Twp	498950	5519500		2.5Y 6/2	13.8	20.8	18.0	1	810	3	43.4	24.1	32.5	12.9	18.3	31.2	0.70
448	Fulford Twp	499350	5518950		2.5Y 6/4	10.1	11.1	5.9	1	1470	7	51.4	14.0	34.5	3.8	16.9	20.7	0.23
451	N of Fulford Twp	498850	5522300		2.5Y 6/2	12.0	17.9	9.7	1	1950	3	43.4	25.4	31.2	2.1	18.4	20.5	0.11
453	Treptow Lake	485975	5522850		2.5Y 6/4	13.5	13.1	1.0	0	1330	4	5.1	48.8	46.1	0.6	0.9	1.5	0.60
454	Treptow Lake	486700	5523075		2.5Y 6/4	11.8	9.0	1.2	0	1960	7	5.4	47.2	47.4	0.6	0.7	1.2	0.85

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
696	Rickaby Twp	464400	5518200	0.4	5.0Y 6/2	11.0	15.1	12.4	0	1210	5	33.0	21.9	45.1	14.8	15.4	30.2	0.96
8022	N of Altitude Lake	468700	5528700	0.7	2.5Y 6/2	15.0	12.5	9.4	1	340	8	50.8	20.5	28.7	14.2	15.2	29.4	0.93
8023	N of Altitude Lake	469800	5529300	1.0	2.5Y 6/2	12.1	15.4	9.9	0	760	6	49.6	21.6	28.8	10.0	18.2	28.2	0.55
8024	N of Altitude Lake	470800	5528500	1.0	2.5Y 6/2	14.5	14.1	8.7	0	2460	4	49.2	20.0	30.8	14.0	14.2	28.2	0.99
8025	N of Altitude Lake	471400	5529400	1.0	2.5Y 7/2	15.7	12.1	10.3	2	2820	6	46.2	19.2	34.6	10.2	15.6	25.8	0.65
8026	N of Altitude Lake	472550	5530500	0.7	2.5Y 7/2	16.9	18.2	14.1	0	1940	12	31.9	36.8	31.4	8.4	16.0	24.4	0.53
8027	N of Altitude Lake	472850	5528900	0.7	2.5Y 6/2	18.7	11.6	9.4	1	3030	2	48.2	16.0	35.8	9.4	15.8	25.2	0.59
8028	N of Altitude Lake	471550	5526650	0.7	2.5Y 6/2	18.6	15.1	10.6	0	1180	2	43.0	18.7	38.2	13.4	15.2	28.6	0.88
8029	Altitude Lake	473550	5523700	0.7	2.5Y 6/2	14.1	11.3	6.8	0	1510	8	30.8	32.8	36.4	10.0	20.6	30.6	0.49
8030	Hipel Twp	478750	5512000	0.6	2.5Y 6/2	16.6	19.2	17.2	0	1210	10	28.3	21.9	49.9	1.6	17.2	18.8	0.09
8031	Hipel Twp	479500	5510800	0.7	2.5Y 6/2	13.6	12.1	10.5	0	2970	3	52.4	9.5	38.1	13.2	18.2	31.4	0.73
8057	Treptow Lake	490200	5534800	1.0	2.5Y 6/2	16.1	23.5	18.3	0	730	4	35.0	24.8	40.2	8.6	17.6	26.2	0.49
8058	Treptow Lake	489300	5535650	2.0	2.5Y 6/2	14.6	17.3	12.1	0	1330	0	25.7	35.5	38.7	12.4	18.6	31.0	0.67
8059	Treptow Lake	492900	5535450	0.5	2.5Y 5/2	14.3	18.9	13.5	0	940	2	24.8	34.6	40.5	3.6	8.6	12.2	0.42
8060	Treptow Lake	488150	5534950	0.6	2.5Y 7/2	13.8	17.6	12.9	0	980	0	30.4	26.1	43.5	9.0	15.6	24.6	0.58
Location Map D:																		
99	Vivian Twp	475650	5497900	0.9	2.5Y 6/2	8.9	6.5	5.1	0	1350	18	39.7	25.1	35.2	16.4	18.0	34.4	0.91
100	Errington Twp	499000	5503280	1.0	2.5Y 5/2	9.8	10.1	7.1	0	3460	8	52.3	17.6	30.1	21.1	19.4	40.5	1.09
115	Legault Twp	474200	5506100	1.5	2.5Y 6/2	12.7	11.3	9.0	0	3050	6	42.6	21.6	35.9	22.1	14.5	36.6	1.52
116	Colter Twp	476600	5504950	1.0	2.5Y 6/2	13.6	12.2	9.8	0	3750	6	39.2	17.3	43.6	11.7	19.7	31.4	0.59
117	Legault Twp	466800	5504650	1.0	2.5Y 6/2	14.4	12.2	10.5	0	3760	8	34.2	13.7	52.1	11.5	17.5	29.0	0.66
118	Legault Twp	466450	5504600	1.0	2.5Y 6/2	15.1	14.7	13.1	0	2310	5	34.3	16.9	48.8	11.3	16.8	28.1	0.67
119	Legault Twp	468400	5506050	1.2	2.5Y 6/2	10.0	9.9	7.3	0	1800	6	42.3	19.0	38.7	19.5	15.8	35.3	1.23
120	Legault Twp	470650	5502300	1.0	2.5Y 6/2	9.6	8.1	5.9	1	4370	9	51.2	19.8	29.1	17.1	17.4	34.5	0.98
121	Colter Twp	482800	5507250	1.1	2.5Y 6/2	11.3	12.6	9.1	0	1230	6	39.8	24.1	36.1	13.0	20.6	33.6	0.63
122	Colter Twp	481850	5507300	0.8	2.5Y 7/2	12.4	14.6	12.4	1	3130	2	43.0	12.8	44.2	9.2	19.1	28.3	0.48
123	Colter Twp	480800	5507200	1.0	2.5Y 6/2	13.1	9.0	6.9	0	1270	3	45.4	17.3	37.3	12.2	20.7	32.9	0.59
124	Colter Twp	480000	5506750	1.0	2.5Y 7/2	11.2	12.2	10.3	0	1390	3	44.2	20.6	35.2	6.1	17.5	23.6	0.35
125	Colter Twp	479250	5506000	1.5	2.5Y 7/2	13.8	16.7	16.0	0	2090	3	38.5	26.8	34.8	10.1	18.9	29.0	0.53
126	Colter Twp	479600	5504550	1.0	2.5Y 6/2	15.9	12.4	10.6	0	1390	5	34.9	20.9	44.1	17.1	16.5	33.6	1.04
127	Lindsley Twp	488450	5506150	1.0	2.5Y 6/2	13.6	11.3	8.0	0	1590	4	38.9	18.5	42.6	10.1	18.9	29.0	0.53
128	Lindsley Twp	491050	5508200	0.8	2.5Y 6/2	11.3	13.0	10.3	0	2630	6	46.2	18.3	35.5	11.5	19.1	30.6	0.60
129	Lindsley Twp	490050	5507250	1.0	2.5Y 5/2	12.6	7.5	6.3	0	1420	5	49.1	14.6	36.3	14.6	19.8	34.4	0.74
130	Lindsley Twp	491700	5505600	1.1	2.5Y 6/2	13.3	9.0	7.2	0	1950	5	51.4	12.9	35.7	20.9	15.7	36.6	1.33
131	Lindsley Twp	492600	5502600	1.0	2.5Y 6/2	12.5	7.2	5.9	0	2320	12	39.4	19.0	41.7	11.1	20.0	31.1	0.55
132	Lindsley Twp	493300	5503350	1.0	2.5Y 6/2	12.1	10.6	6.8	0	3310	3	51.4	17.0	31.6	9.7	20.3	30.0	0.48
133	Lindsley Twp	493300	5504700	1.0	2.5Y 6/2	14.3	9.8	7.8	0	1740	3	43.5	18.2	38.4	12.2	22.0	34.2	0.55
134	Lindsley Twp	493850	5505200	1.3	2.5Y 6/2	12.5	11.0	6.4	0	2060	3	49.5	14.9	35.5	11.8	21.0	32.8	0.56
135	Lindsley Twp	493950	5506050	1.0	2.5Y 5/2	11.5	8.1	6.1	0	2140	7	48.5	19.6	31.9	13.1	21.8	34.9	0.60
136	Errington Twp	494700	5506900	1.1	2.5Y 5/2	11.1	6.8	5.0	1	1700	7	53.4	11.5	35.1	12.0	22.2	34.2	0.54
137	Errington Twp	495250	5508150	1.0	2.5Y 5/2	11.9	8.8	5.8	0	1880	6	57.2	12.7	30.1	14.2	20.6	34.8	0.69
138	Errington Twp	494950	5504500	0.5	2.5Y 6/2	11.3	12.1	10.8	0	3790	7	57.3	9.7	32.9	12.8	18.7	31.5	0.68
139	Errington Twp	495650	5504550	0.8	2.5Y 6/2	12.8	10.8	8.6	0	3250	2	50.0	12.4	37.6	14.0	21.1	35.1	0.66
140	Errington Twp	496250	5504400	1.0	2.5Y 7/2	12.2	17.5	16.2	0	3920	8	51.9	10.6	37.5	9.8	21.0	30.8	0.46
141	Errington Twp	497700	5503800	1.0	2.5Y 7/2	12.5	17.3	15.4	0	2580	4	51.3	14.9	33.8	14.4	19.9	34.3	0.72
142	Salsberg Twp	497150	5501200	1.0	2.5Y 7/2	12.0	12.1	11.1	0	2820	5	38.6	18.6	42.8	9.5	19.7	29.2	0.48
143	Salsberg Twp	494950	5499500	1.0	2.5Y 6/4	10.1	6.5	5.0	0	3010	10	60.0	15.8	24.1	10.8	22.8	33.6	0.47
144	Parent Twp	493900	5498950	1.0	2.5Y 6/2	11.2	7.5	6.2	0	2930	6	51.8	13.9	34.3	12.6	23.7	36.3	0.53
201	Legault Twp	468400	5505650		2.5Y 5/4	2.1	2.4	0.8	0	14150	24	16.7	24.5	58.8	0.8	4.3	5.1	0.19
202	Legault Twp	468550	5506150		2.5Y 4/4	2.5	3.2	1.1	0	5660	19	6.4	38.3	55.3	0.7	3.5	4.2	0.19
203	S of Legault Twp	467500	5500500		2.5Y 4/4	1.7	2.6	1.5	0	930	14	1.2	4.7	94.1	0.4	1.5	1.9	0.26
204	S of Legault Twp	467350	5497300		2.5Y 5/4	1.7	1.9	0.7	0	1270	44	50.2	15.3	34.5	0.3	0.3	0.6	0.93
205	S of Legault Twp	467950	5497050		2.5Y 4/4	2.2	4.6	0.9	0	770	10	2.3	31.0	66.7	0.4	1.9	2.3	0.20

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
206	S of Legault Twp	468550	5496450		2.5Y 4/2	1.3	2.8	1.9	0	850	13	54.3	17.1	28.6	5.1	12.6	17.7	0.41
207	Legault Twp	470550	5502300		2.5Y 5/4	2.3	2.0	0.2	0	1230	6	4.6	29.2	66.2	1.0	1.8	2.8	0.56
208	Legault Twp	470650	5502000		2.5Y 5/4	2.7	4.1	1.2	0	890	6	39.0	20.3	40.7	1.4	1.8	3.2	0.76
209	S of Legault Twp	471450	5500600		2.5Y 4/4	1.9	1.7	0.1	0	1430	57	10.9	29.5	59.6	1.0	3.6	4.6	0.28
210	S of Legault Twp	474200	5499800		2.5Y 4/4	2.3	4.7	2.6	0	2200	15	5.4	30.5	64.1	0.6	0.8	1.4	0.73
211	S of Legault Twp	470800	5497200		2.5Y 4/2	1.4	2.7	0.7	0	1400	19	16.7	24.3	59.0	0.4	1.6	2.0	0.26
212	S of Legault Twp	470500	5497050		2.5Y 3/2	1.7	3.4	1.5	0	1720	28	3.7	41.6	54.7	0.1	0.3	0.5	0.32
213	S of Legault Twp	469850	5496500		2.5Y 4/2	2.1	2.8	1.2	0	960	24	26.8	32.0	41.2	8.2	17.9	26.1	0.46
214	S of Legault Twp	472950	5495400		2.5Y 5/6	1.9	2.2	1.5	0	2630	32	7.3	33.8	58.9	0.6	0.2	0.8	2.81
215	S of Legault Twp	472400	5493850		2.5Y 4/4	2.2	3.8	0.6	5	1580	13	45.1	21.4	33.5	0.8	2.0	2.9	0.41
216	S of Legault Twp	472300	5492550		2.5Y 5/4	1.9	3.5	1.6	0	1060	25	36.8	26.3	36.8	0.6	7.3	7.9	0.09
217	S of Legault Twp	471950	5491150		2.5Y 3/2	1.5	10.9	1.3	0	220	4	2.3	38.7	58.9	0.3	1.0	1.3	0.32
218	S of Legault Twp	471750	5490850		2.5Y 4/4	1.8	3.9	0.8	0	650	10	5.4	29.7	65.0	0.7	0.8	1.5	0.87
219	S of Legault Twp	471100	5490000		2.5Y 6/2	2.1	4.0	1.5	0	630	6				10.1	15.7	25.8	0.64
220	S of Legault Twp	470850	5489050		2.5Y 3/2	1.3	4.4	0.1	0	830	17	2.4	42.9	54.8	1.3	0.1	1.4	13.00
221	S of Legault Twp	470850	5487700		2.5Y 5/2	1.6	3.7	2.2	0	670	10	1.8	45.0	53.2	10.4	14.4	24.8	0.72
222	S of Legault Twp	470900	5487500		2.5Y 4/2	2.3	5.8	3.1	0	620	4	4.2	36.1	59.6	1.4	6.6	8.0	0.21
223	S of Legault Twp	468800	5484950		2.5Y 4/4	1.8	8.3	1.1	0	290	3	3.9	58.9	37.2	0.5	2.3	2.8	0.22
224	S of Legault Twp	468200	5483050		2.5Y 5/2	2.4	3.7	1.6	0	1830	18	33.8	27.4	38.8	8.1	16.5	24.6	0.49
225	Vivian Twp	475550	5499450		2.5Y 5/4	1.8	2.9	1.7	0	850	47	5.3	35.7	59.0	0.5	2.3	2.8	0.22
226	Vivian Twp	476150	5501000		2.5Y 5/4	1.8	4.5	3.0	0	2030	5	7.0	35.8	57.2	0.5	0.8	1.2	0.59
227	Vivian Twp	476300	5501250		2.5Y 4/4	1.5	2.7	0.2	0	960	38	3.1	32.7	64.2	0.4	1.0	1.4	0.43
228	Colter Twp	477300	5502350		2.5Y 4/4	1.8	3.2	2.3	0	780	43	8.7	38.2	53.1	0.5	0.8	1.2	0.61
229	Colter Twp	478150	5503700		2.5Y 5/2	2.1	5.0	3.8	0	7300	17	8.0	20.1	71.9	0.3	1.6	1.9	0.19
230	Goldfield Road	491250	5485100		2.5Y 5/4	3.1	5.5	3.8	0	3300	20	12.8	53.5	33.6	0.5	0.9	1.4	0.57
231	Goldfield Road	491850	5485700		2.5Y 4/2	2.3	3.6	0.5	0	5170	21	6.1	35.0	58.9	0.4	2.1	2.5	0.18
232	Goldfield Road	490050	5488650		2.5Y 6/2	1.6	2.0	1.5	0	12660	25	5.9	29.5	64.6	14.3	20.2	34.5	0.71
233	Goldfield Road	495550	5491200		2.5Y 5/2	1.8	6.2	1.2	0	950	28	20.9	28.1	51.1	1.3	17.4	18.7	0.07
234	Salsberg Twp	496150	5491950		2.5Y 4/2	4.2	8.1	2.0	0	1190	13	13.2	30.5	56.3	0.9	12.7	13.6	0.07
235	Parent Twp	493650	5498550		2.5Y 6/2	2.6	2.1	1.8	0	1240	12	52.4	12.6	35.0	17.3	20.3	37.6	0.85
236	Salsberg Twp	495100	5499750		2.5Y 6/2	2.7	3.2	1.6	0	1810	7	56.9	7.6	35.5	6.4	20.8	27.2	0.31
237	Salsberg Twp	496100	5500600		2.5Y 5/4	2.7	2.7	2.0	0	870	13	51.6	7.3	41.1	6.9	22.0	28.9	0.31
238	Errington Twp	497600	5501700		2.5Y 5/4	2.2	4.3	2.0	0	560	6	35.4	18.1	46.5	1.2	21.2	22.4	0.06
239	Errington Twp	498250	5502450		2.5Y 6/2	2.2	3.0	2.4	0	1290	17	42.7	9.6	47.7	15.2	20.3	35.5	0.75
240	Errington Twp	499500	5502900		2.5Y 5/4	2.1	2.0	1.5	19	3100	83	4.6	8.3	87.1	0.6	0.5	1.0	1.24
241	Lindsley Twp	493800	5504500		2.5Y 6/2	2.1	2.5	1.6	0	2440	20	52.1	9.0	39.0	18.4	17.3	35.7	1.06
242	Lindsley Twp	492550	5505000		2.5Y 5/2	2.6	4.0	2.8	0	2860	10	31.0	26.8	42.3	9.5	16.4	25.9	0.58
243	S of Legault Twp	464400	5487300		2.5Y 5/4	2.0	5.0	1.0	0	2490	22	4.4	43.5	52.1	0.8	1.7	2.5	0.44
244	S of Legault Twp	466300	5486150		2.5Y 5/2	2.6	5.5	2.4	0	3460	32	24.5	18.9	56.6	12.3	11.0	23.3	1.12
245	S of Legault Twp	466500	5484950		2.5Y 5/4	2.0	5.3	1.8	0	1710	23	11.4	30.7	57.9	0.8	1.7	2.5	0.44
246	Lindsley Twp	491300	5505950		2.5Y 5/4	2.8	3.8	2.2	0	2500	10	33.3	25.4	41.2	0.6	15.3	15.9	0.04
247	Lindsley Twp	490250	5506250		2.5Y 5/2	3.4	3.9	2.7	0	4660	16	34.8	27.0	38.3	10.2	16.4	26.6	0.62
248	Lindsley Twp	489450	5506450		2.5Y 5/2	3.0	3.4	2.5	0	3310	26	25.8	28.3	45.8	17.4	13.6	31.0	1.28
249	Lindsley Twp	486800	5505100		2.5Y 5/2	2.9	2.5	1.9	0	2510	55	41.3	18.7	40.0	12.2	18.4	30.6	0.66
250	Lindsley Twp	486700	5504900		2.5Y 5/2	3.4	4.3	2.7	0	4490	42	37.3	24.9	37.8	11.7	17.8	29.5	0.66
251	Colter Twp	481200	5504400		2.5Y 6/2	3.7	7.1	5.4	0	5110	29	39.8	23.5	36.7	4.9	18.4	23.3	0.26
252	Colter Twp	480000	5504500		2.5Y 4/4	3.0	8.2	5.5	0	4350	22	5.4	31.2	63.5	0.2	0.4	0.6	0.56
253	Colter Twp	478800	5505000		2.5Y 4/4	3.0	5.7	2.2	3	6100	26	16.0	8.2	75.9	0.3	2.4	2.6	0.11
254	Colter Twp	476250	5504850		2.5Y 6/2	2.6	3.3	1.6	0	5470	15	33.4	24.5	42.1	15.0	18.0	33.0	0.83
255	Legault Twp	474300	5506200		2.5Y 6/2	3.4	5.1	2.8	0	3500	21	43.0	17.4	39.6	16.0	16.8	32.8	0.95
256	Legault Twp	467500	5504850		2.5Y 4/4	2.7	4.7	1.9	0	1740	7	3.2	37.6	59.2	0.6	0.9	1.5	0.61
257	Legault Twp	467050	5504750		2.5Y 5/4	2.6	5.6	2.5	0	2050	12	6.0	27.5	66.4	0.4	2.5	2.8	0.15
258	Legault Twp	466500	5504600		2.5Y 4/4	2.5	3.9	0.6	0	2260	15	8.2	25.9	65.9	0.3	1.8	2.1	0.15

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
259	Colter Twp	479100	5505900		2.5Y 4/4	2.4	5.0	2.0	0	3610	10	13.5	25.2	61.3	1.6	21.2	22.8	0.07
260	Colter Twp	480050	5506650		2.5Y 6/2	2.3	2.9	1.3	0	4270	13	40.2	17.7	42.1	16.4	19.1	35.5	0.86
261	Colter Twp	480800	5507200		2.5Y 6/2	2.4	3.6	1.7	0	4790	16	48.4	12.2	39.4	17.0	19.7	36.7	0.86
262	Colter Twp	481000	5507250		2.5Y 6/2	2.6	3.4	1.9	0	3510	25	36.1	16.1	47.7	16.6	18.5	35.1	0.90
263	S of Legault Twp	471550	5487850		2.5Y 6/2	2.5	3.9	1.5	0	2520	14	37.7	22.8	39.5	16.3	14.4	30.7	1.13
264	S of Legault Twp	471600	5488100		2.5Y 5/4	2.9	7.5	2.7	0	1440	18	27.5	29.6	42.9	2.7	15.0	17.7	0.18
265	Vivian Twp	475650	5498450		2.5Y 4/2	2.3	3.1	1.6	0	810	37	9.1	36.6	54.3	0.9	0.6	1.5	1.60
266	Vivian Twp	475650	5497800		2.5Y 6/2	2.6	3.0	1.8	0	4740	36	41.0	14.0	45.0	13.7	15.5	29.2	0.88
267	Vivian Twp	476200	5497500		2.5Y 5/4	2.5	3.5	2.0	0	5210	17	19.8	21.9	58.3	2.4	20.1	22.5	0.12
268	Vivian Twp	476750	5497200		2.5Y 4/4	2.4	4.6	2.2	0	3720	42	1.9	28.6	69.4	0.4	0.9	1.3	0.48
269	Vivian Twp	477200	5495750		2.5Y 4/2	2.6	5.7	3.2	0	2750	13	8.0	25.9	66.1	2.2	10.0	12.2	0.22
270	S of Legault Twp	464450	5483250		2.5Y 4/4	1.6	3.8	1.0	0	3050	30	8.8	37.5	53.7	0.5	0.8	1.2	0.59
271	S of Legault Twp	467450	5484850		2.5Y 5/2	2.9	5.5	2.5	0	3240	28	43.1	19.8	37.1	7.1	14.8	21.9	0.48
272	Lindsley Twp	490200	5507150		2.5Y 5/4	3.4	3.8	2.2	0	2930	21	32.5	21.4	46.1	8.8	19.4	28.2	0.45
273	Lindsley Twp	490450	5507550		2.5Y 6/2	2.6	2.5	1.4	0	3750	13	35.0	25.0	40.0	16.0	20.0	36.0	0.80
274	Parent Twp	492700	5498600		2.5Y 5/4	1.8	3.7	2.2	0	2370	25	7.0	25.9	67.1	0.6	0.5	1.0	1.24
275	Lindsley Twp	486250	5505650		2.5Y 5/2	2.0	2.7	1.8	0	5490	17	37.6	16.9	45.5	10.3	20.3	30.6	0.51
276	Lindsley Twp	493600	5504400		2.5Y 5/2	2.6	1.6	1.0	0	2100	21	45.3	17.5	37.2	14.6	19.3	33.9	0.76
277	Lindsley Twp	493450	5503350		2.5Y 5/4	2.8	5.1	3.4	0	3500	5	36.2	16.0	47.9	4.1	19.8	23.9	0.20
278	Lindsley Twp	492600	5502650		2.5Y 5/4	3.8	7.6	4.8	0	2290	6	25.0	14.9	60.0	2.0	19.5	21.5	0.10
279	Errington Twp	498940	5503220		2.5Y 6/4	2.4	5.0	4.3	0	3020	7	49.8	12.2	38.0	8.0	23.3	31.3	0.34
280	Errington Twp	499025	5503545		2.5Y 5/2	1.6	0.4	0.1	0	4880	24	40.1	19.0	40.9	16.4	15.6	32.0	1.05
281	Errington Twp	497690	5503700		2.5Y 5/4	1.8	2.4	1.1	0	4110	9	34.0	13.2	52.8	4.0	12.3	16.3	0.32
282	Errington Twp	495705	5504500		2.5Y 5/4	2.0	3.3	1.4	0	5210	10	13.8	26.4	59.9	0.8	28.3	29.1	0.03
283	Lindsley Twp	493710	5504540		2.5Y 5/2	1.5	0.8	0.3	0	2900	14	44.2	20.6	35.2	17.8	18.1	35.9	0.98
284	Errington Twp	499500	5502900		2.5Y 7/4	12.0	7.4	6.3	0	5830	87	10.1	5.5	84.4	5.2	16.9	22.1	0.31
285	Errington Twp	499570	5502970		2.5Y 6/4	13.7	9.1	9.0	0	1850	33	2.6	1.7	95.7	1.1	2.1	3.1	0.53
8032	Colter Twp	477300	5508250	0.5	2.5Y 7/2	17.8	20.7	18.4	1	1710	2	43.8	15.8	40.4	9.8	19.2	29.0	0.51
8033	Colter Twp	479800	5509700	0.6	2.5Y 7/2	17.0	14.6	12.6	0	1200	8	32.8	23.8	43.4	9.4	17.4	26.8	0.54
8034	Colter Twp	479850	5508850	1.0	2.5Y 7/2	14.7	10.5	8.6	0	1200	2	43.2	15.0	41.8	17.0	14.6	31.6	1.16
8035	Colter Twp	480500	5508050	1.0	2.5Y 7/2	14.0	15.7	15.5	0	2320	2	38.8	19.4	41.8	10.8	15.8	26.6	0.68
8051	S of Legault Twp	470700	5497200	1.0	2.5Y 5/2	16.3	20.6	13.5	1	1660	7	15.8	20.4	63.8	1.0	11.8	12.8	0.08
8052	S of Legault Twp	469850	5496550	1.0	2.5Y 6/2	13.0	8.1	6.9	0	2190	22	34.7	21.1	44.1	8.2	14.6	22.8	0.56
8053	Legault Twp	470600	5502000	0.7	2.5Y 6/2	14.2	20.0	11.9	1	880	4	38.0	16.1	45.8	4.2	18.8	23.0	0.22
8054	S of Legault Twp	474250	5499850	1.0	2.5Y 5/4	15.2	23.5	15.2	0	500	2	4.8	28.7	66.6	0.3	0.0	0.3	
8055	S of Legault Twp	471500	5500600	1.0	2.5Y 5/4	18.2	61.1	44.5	4	290	2	2.3	21.9	75.8	0.0	0.0	0.0	
8056	Vivian Twp	483600	5498800	1.0	2.5Y 5/2	15.3	25.1	15.7	3	470	1	47.2	18.0	34.8	3.6	20.0	23.6	0.18
Location Map E:																		
26	N of McQuesten Twp	509800	5524100	1.5	2.5Y 6/2	9.7	17.8	1.3	0	5250	3	32.9	37.9	29.1	7.4	17.2	24.6	0.43
27	N of McQuesten Twp	511250	5526200	1.5	2.5Y 6/2	10.0	6.7	6.5	0	2610	10	39.0	31.2	29.7	16.7	18.5	35.2	0.90
28	N of McQuesten Twp	511950	5528450	2.0	5.0Y 5/2	9.2	7.9	4.8	0	2230	3	60.2	11.4	28.4	17.8	18.2	36.0	0.98
29	N of McQuesten Twp	514750	5533800	1.3	2.5Y 6/2	8.6	9.4	4.8	1	2480	2	51.9	13.5	34.6	17.0	19.4	36.4	0.88
31	N of McQuesten Twp	511550	5533500	1.3	2.5Y 6/2	8.7	10.3	8.2	0	2250	3	41.2	28.6	30.2	14.4	17.8	32.2	0.81
32	N of McQuesten Twp	513150	5531700	1.3	2.5Y 6/2	8.4	8.8	5.6	0	2020	4	45.4	21.1	33.5	16.0	18.1	34.1	0.88
37	N of McQuesten Twp	506300	5525300	1.1	2.5Y 7/2	7.9	12.3	8.4	1	3780	3	44.7	29.4	25.9	12.4	17.2	29.6	0.72
50	N of Houck Twp	514800	5525850	1.3	10 YR6/3	8.9	5.7	4.4	0	6320	6	50.4	18.0	31.6	19.1	14.2	33.3	1.35
51	N of Houck Twp	520100	5524950	1.0	2.5Y 6/2	8.9	8.5	7.4	0	2100	1	58.3	10.4	31.4	19.2	17.3	36.5	1.11
52	N of Houck Twp	520950	5521100	1.0	2.5Y 6/2	8.3	7.3	5.5	0	4870	6	60.3	6.3	33.5	18.2	18.6	36.8	0.98
53	Oakes Twp	525700	5516000	1.7	2.5Y 6/2	8.3	4.3	2.9	0	2810	6	62.7	8.1	29.2	18.9	18.5	37.4	1.02
65	Houck Twp	516200	5515900	0.7	2.5Y 5/2	10.3	25.8	11.5	0	1360	3	58.0	11.2	30.8	7.6	19.5	27.1	0.39
66	McQuesten Twp	512150	5514500	1.5	2.5Y 6/2	8.6	13.7	5.1	0	2510	26	63.8	9.6	26.5	14.2	21.8	36.0	0.65
67	McQuesten Twp	507950	5513150	1.5	2.5Y 6/2	9.3	15.7	7.5	0	4430	6	40.0	14.5	45.5	15.4	16.5	31.9	0.93
321	Oakes Twp	529050	5513300		2.5Y 4/2	1.3	2.4	1.4	0	2510	20	45.1	27.1	27.8	3.1	20.2	23.3	0.15

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
322	Oakes Twp	524850	5511250		2.5Y 5/2	1.9	2.6	1.3	0	3420	14	46.5	17.6	35.9	3.7	21.8	25.5	0.17
325	Oakes Twp	527800	5513700		2.5Y 4/4	1.4	4.0	0.5	0	2920	15	6.7	44.8	48.5	0.8	0.8	1.6	1.00
326	Oakes Twp	525950	5515600		2.5Y 5/2	2.5	3.1	2.4	0	5330	29	52.9	17.7	29.4	9.3	21.0	30.3	0.44
327	Oakes Twp	525650	5515950		2.5Y 6/2	2.6	2.1	1.5	0	5260	29	54.1	10.2	35.7	14.7	21.6	36.3	0.68
328	Oakes Twp	526100	5511075		2.5Y 5/2	2.0	4.2	3.5	0	8820	15	38.6	33.3	28.1	3.6	20.8	24.4	0.17
329	Houck Twp	520300	5511850		2.5Y 5/2	1.6	1.0	0.8	0	3300	33	54.8	13.7	31.5	17.2	20.6	37.8	0.83
330	Houck Twp	522100	5515350		2.5Y 5/2	1.5	2.1	1.6	0	5370	17	59.2	10.7	30.1	12.8	20.5	33.3	0.62
331	Houck Twp	522100	5514450		2.5Y 5/2	1.8	2.1	1.5	0	4850	20	47.9	11.8	40.3	8.4	20.4	28.8	0.41
400	Houck Twp	514600	5515300		2.5Y 6/2	7.2	9.0	6.8	0	4950	11	51.8	14.4	33.8	11.6	17.4	29.0	0.67
401	Houck Twp	516550	5516000		2.5Y 6/2	13.7	11.8	9.4	0	3670	3	54.5	9.5	36.1	11.8	20.8	32.6	0.57
404	N of McQuesten Twp	504350	5525550		2.5Y 6/2	16.5	13.0	14.2	0	3360	8	37.8	41.5	20.7	7.2	19.5	26.7	0.37
405	N of McQuesten Twp	506350	5525150		2.5Y 5/4	11.0	14.4	9.7	1	3130	4	9.2	33.9	56.9	0.3	0.9	1.2	0.29
406	N of McQuesten Twp	507200	5525350		2.5Y 6/2	15.1	9.1	5.1	1	4900	5	36.0	21.0	43.0	8.1	17.2	25.3	0.47
407	N of McQuesten Twp	510300	5525550		2.5Y 5/4	15.0	9.7	2.0	0	3440	5	1.2	76.7	22.2	0.5	1.6	2.1	0.33
408	N of McQuesten Twp	509300	5525550		2.5Y 6/2	17.9	9.4	7.2	1	4940	2	55.9	9.6	34.4	16.4	16.3	32.7	1.01
409	Ashmore Twp	506100	5510750		2.5Y 6/4	11.7	12.7	11.0	0	3540	2	49.6	13.1	37.3	11.2	18.6	29.8	0.60
410	McQuesten Twp	507950	5513200		2.5Y 6/2	11.7	10.2	10.1	1	3240	5	44.8	10.4	44.8	15.4	16.7	32.1	0.92
411	McQuesten Twp	511050	5514350		2.5Y 6/4	11.7	10.0	8.1	1	4440	3	46.7	13.8	39.5	9.0	17.6	26.6	0.51
412	McQuesten Twp	510050	5513750		2.5Y 6/4	11.2	12.8	8.2	1	4340	9	45.0	18.2	36.8	9.1	17.4	26.5	0.52
413	McQuesten Twp	512150	5514550		2.5Y 6/2	16.3	11.7	9.9	0	3830	5	61.5	10.5	28.0	13.3	20.8	34.1	0.64
419	Fulford Twp	503650	5514250		2.5Y 7/4	9.3	9.1	6.3	0	3650	5	59.2	10.6	30.1	12.8	20.2	33.0	0.63
427	Oakes Twp	534500	5515900		2.5Y 7/4	9.9	8.8	6.4	1	2580	6	48.0	16.8	35.2	10.6	19.7	30.3	0.54
428	Oakes Twp	525700	5517400		2.5Y 7/4	17.8	16.5	15.4	1	2090	3	53.7	13.6	32.7	7.0	23.5	30.5	0.30
429	Oakes Twp	528000	5516850		2.5Y 6/4	17.6	13.1	12.0	0	2540	3	54.5	17.3	28.3	3.1	22.8	25.9	0.13
430	Oakes Twp	532500	5516050		2.5Y 6/4	10.3	12.3	8.3	0	3640	5	44.5	22.9	32.6	3.1	20.0	23.1	0.15
437	N of McQuesten Twp	508500	5521900		2.5Y 6/2	19.3	12.7	11.0	1	2850	7	50.0	14.6	35.4	12.4	20.1	32.5	0.62
438	N of McQuesten Twp	509150	5523000		2.5Y 7/2	15.2	11.5	10.7	1	2870	5	41.4	20.7	37.9	6.7	21.4	28.1	0.31
440	Houck Twp	522350	5519375		2.5Y 6/4	17.9	10.5	8.1	0	1620	8	53.3	9.3	37.5	16.4	16.4	32.8	1.00
441	Houck Twp	521900	5520150		2.5Y 6/2	9.5	9.2	3.8	3	1930	10	76.8	4.3	18.9	16.7	20.3	37.0	0.82
442	N of Houck Twp	520050	5523250		2.5Y 6/2	7.6	7.3	4.7	1	3040	11	54.5	15.0	30.5	8.1	20.9	29.0	0.39
449	N of McQuesten Twp	512150	5525400		2.5Y 6/4	9.1	9.3	6.3	0	3830	10	54.1	13.9	32.0	12.9	20.5	33.4	0.63
450	N of Houck Twp	520000	5525750		2.5Y 6/4	9.6	9.7	6.9	0	1810	7	51.7	18.8	29.4	12.7	20.3	33.0	0.63
452	N of Houck Twp	514800	5525800		2.5Y 5/4	8.1	6.1	3.7	0	3920	6	50.4	16.2	33.5	13.4	16.0	29.4	0.84
Location Map F:																		
301	S of Longlac	535900	5487500		2.5Y 6/2	1.0	4.0	2.4	0	4000	31				12.8	21.8	34.6	0.59
302	S of Longlac	535650	5487900		2.5Y 6/2	1.5	0.9	0.2	0	5140	27				16.1	22.2	38.3	0.73
303	S of Longlac	531800	5487450		2.5Y 6/2	1.1	2.7	1.4	0	9010	14	42.1	19.6	38.3	11.0	17.7	28.7	0.62
305	S of Longlac	532450	5490050		2.5Y 6/2	2.4	4.0	2.4	0	2990	15	47.7	16.7	35.6	14.9	20.3	35.2	0.73
306	S of Longlac	526650	5493850		2.5Y 6/2	1.8	2.1	1.2	0	3790	66	29.5	22.0	48.5	5.0	19.7	24.7	0.25
308	Coltham Twp	522800	5497550		2.5Y 5/2	1.9	2.2	1.3	0	1660	39	33.5	21.8	44.8	12.0	17.8	29.8	0.67
309	S of Longlac	523550	5497400		2.5Y 4/2	2.0	3.2	2.0	0	2390	16	49.1	16.4	34.5	7.4	16.5	23.9	0.45
310	S of Longlac	527300	5493850		2.5Y 5/2	1.6	2.3	1.0	0	2560	51	53.2	24.3	22.6	8.3	14.5	22.8	0.57
311	S of Longlac	534500	5497600		2.5Y 6/2	1.3	2.2	1.7	0	2560	12	56.1	10.2	33.7	5.1	19.4	24.5	0.26
312	S of Longlac	523800	5497000		2.5Y 5/2	1.6	1.4	1.1	0	3050	89	20.7	33.2	46.1	9.9	14.9	24.8	0.67
313	S of Longlac	525500	5495850		2.5Y 5/2	2.5	1.9	1.3	0	4750	57	60.7	26.2	13.1	2.1	21.8	23.9	0.10
314	S of Longlac	531100	5492200		2.5Y 5/2	2.3	2.6	3.1	0	2960	25	51.7	21.3	27.1	10.1	22.6	32.7	0.45
315	S of Longlac	534750	5501550		2.5Y 5/2	1.3	0.8	1.0	0	2820	28	22.6	25.2	52.2	0.3	19.7	20.0	0.01
316	S of Longlac	534650	5498600		2.5Y 5/2	1.8	1.0	0.3	0	2670	67	32.3	38.3	29.3	0.0	23.5	23.5	0.00
317	Coltham Twp	517350	5497050		2.5Y 5/2	2.4	3.0	2.0	0	1190	16	51.9	17.2	30.9	11.5	20.0	31.5	0.58
318	Ashmore Twp	513200	5502300		2.5Y 4/2	2.0	4.8	2.8	0	3430	45	32.4	15.2	52.4	4.7	18.8	23.5	0.25
319	Croll Twp	517850	5508550		2.5Y 5/2	1.5	2.0	1.2	0	2140	11	52.0	21.3	26.7	11.6	18.4	30.0	0.63
320	Salsberg Twp	501550	5500600		2.5Y 5/4	1.5	1.4	0.6	0	1790	27	41.7	12.5	45.8	15.1	17.3	32.4	0.87
323	Croll Twp	519900	5509200		2.5Y 4/2	1.3	1.6	0.2	0	3390	71	27.2	23.7	49.1	1.3	0.6	1.8	2.23

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
324	S of Longlac	536000	5498500		2.5Y 5/2	1.2	2.2	1.2	0	5410	22	17.0	56.0	27.0	10.4	21.6	32.0	0.48
332	Croll Twp	518050	5507800		2.5Y 5/2	2.0	0.8	0.4	0	3330	67	33.3	14.9	51.8	8.7	18.9	27.6	0.46
334	Croll Twp	515550	5505850		2.5Y 5/2	2.3	3.2	2.5	0	5470	18	14.5	51.2	34.3	11.9	17.8	29.7	0.67
335	McKelvie Twp	506200	5501150		2.5Y 4/4	2.2	0.9	0.4	0	2500	88	33.8	13.7	52.5	0.7	7.4	8.1	0.09
336	Croll Twp	513300	5503800		2.5Y 4/4	2.5	5.5	2.3	0	420	50	3.1	76.4	20.5	0.7	0.6	1.3	1.19
337	Ashmore Twp	512050	5504050		2.5Y 4/4	2.1	3.2	2.3	0	3510	14	45.3	15.5	39.1	8.6	14.2	22.8	0.61
338	Ashmore Twp	510350	5503600		2.5Y 5/2	2.6	3.2	2.1	0	4450	7	20.8	20.8	58.3	2.2	21.6	23.8	0.10
339	Errington Twp	501400	5502450		2.5Y 5/4	4.2	5.4	4.0	0	6360	28	7.7	6.0	86.3	2.1	20.4	22.5	0.10
340	Errington Twp	500475	5502550		2.5Y 5/4	3.8	7.1	2.6	0	2290	6	4.6	23.1	72.2	0.9	0.8	1.7	1.02
8061	S of McKelvie Twp	506000	5489000	1.0	2.5Y 6/2	12.8	11.6	7.7	0	1010	4	47.8	17.3	34.9	13.0	14.2	27.2	0.92
8064	Coltham Twp	517350	5497500	0.5	2.5Y 6/2	15.0	13.7	8.9	0	1300	3	54.1	12.5	33.4	11.6	24.0	35.6	0.48
8065	Coltham Twp	514900	5500000	0.5	2.5Y 6/2	17.1	14.0	10.9	0	2520	3	57.7	7.5	34.7	9.0	22.6	31.6	0.40
8066	Coltham Twp	514300	5500450	0.7	2.5Y 6/2	17.4	15.9	11.2	0	2230	4	49.3	10.4	40.3	10.4	22.2	32.6	0.47
8067	S of Longlac	536000	5498600	1.0	2.5Y 6/2	14.4	23.6	19.7	0	1480	3	59.3	12.8	27.9	5.4	22.4	27.8	0.24

Location Map G:

7	Orient Bay	420500	5461700	1.0	5.0YR5/6	6.3	16.3	6.5	0	110	3	6.6	27.6	65.8	0.3	0.9	1.2	0.33
8	Orient Bay	423500	5463400	1.0	5.0YR5/6	8.9	23.2	10.8	0	1210	2	1.5	29.1	69.4	0.6	1.2	1.8	0.44
9	Orient Bay	424500	5467300	1.5	5.0Y 5/2	7.0	24.5	7.3	1	180	3	2.1	36.2	61.7	0.2	0.9	1.1	0.20
10	SE of Beardmore	442500	5474750	1.7	10 YR7/4	7.7	24.2	11.5	0	1180	2	7.5	37.0	55.5	0.5	1.6	2.1	0.33
11	SE of Beardmore	446600	5478100	1.5	10 YR7/1	8.4	11.4	7.9	0	2070	5	20.7	27.3	52.0	8.0	16.5	24.5	0.49
12	S of Jellicoe	463100	5481500	0.7	10 YR6/4	6.6	8.5	5.7	2	650	8	31.1	23.8	45.1	12.4	14.4	26.8	0.86
45	S of Jellicoe	451150	5479300	1.1	2.5Y 6/2	9.9	7.9	6.0	0	1520	64	29.3	28.4	42.3	17.2	12.0	29.2	1.43
46	S of Jellicoe	453100	5482550	2.3	2.5Y 7/2	9.1	13.1	6.9	0	2680	9	16.1	31.9	52.0	6.6	12.0	18.6	0.55
58	SE of Beardmore	438400	5475100	0.7	2.5Y 6/2	9.0	10.7	10.5	0	3330	7	43.8	14.4	41.8	14.9	14.8	29.7	1.01
59	SE of Beardmore	439650	5478200	1.5	2.5Y 6/2	10.9	9.7	7.2	0	1210	6	48.3	17.2	34.5	16.0	15.7	31.7	1.02
60	SE of Beardmore	439500	5481200	0.8	2.5Y 6/2	9.1	20.1	7.1	0	1760	2	43.1	15.4	41.5	14.9	15.2	30.1	0.98
146	Goldfield Road	483250	5474250	0.8	2.5Y 6/2	2.9	3.7	2.3	0	630	16	46.0	9.8	44.2	17.3	16.9	34.2	1.02
147	Goldfield Road	484450	5469400	0.8	2.5Y 6/2	2.4	2.1	1.1	0	1080	16	26.7	34.4	38.9	12.4	16.8	29.2	0.74
148	Goldfield Road	485000	5461400	0.8	2.5Y 6/2	3.0	4.3	2.4	0	1620	8	29.3	38.8	31.8	10.1	17.5	27.6	0.58
149	Goldfield Road	485750	5452400	0.8	2.5Y 6/2	2.4	3.7	1.8	0	670	10	51.4	16.4	32.1	14.4	19.6	34.0	0.73
150	Goldfield Road	486000	5442300	3.0	2.5Y 5/4	2.9	0.9	0.5	0	2130	85	0.2	99.7	0.1	3.5	7.3	10.8	0.47
8063	Goldfield Road	486000	5442300	3.0	2.5Y 5/2	16.4	5.8	3.2	0	1970	35	0.0	26.8	73.2	3.2	3.4	6.6	0.94
151	Goldfield Road	484850	5437900	2.0	2.5Y 5/4	2.4	4.4	2.9	0	520	37	7.3	44.7	48.0	5.7	14.8	20.5	0.39
8062	Goldfield Road	484850	5437900	2.0	2.5Y 6/2	16.2	26.7	17.7	0	720	7	6.8	42.1	51.1	6.8	12.8	19.6	0.53
152	Goldfield Road	483700	5431150	1.0	2.5Y 5/4	2.5	4.8	2.1	0	500	35	0.6	39.0	60.3	0.3	1.8	2.1	0.15

Location Map H:

3	N of O'Sullivan L	502380	5603550	1.0	7.5YR6/2	10.0	17.4	12.8	1	1650	4	35.5	23.2	41.3	11.0	17.6	28.6	0.63
4	N of O'Sullivan L	501050	5601820	1.2	7.5YR6/2	7.0	9.9	8.4	0	1190	8	20.7	56.5	22.8	9.6	15.4	25.0	0.62
5	N of O'Sullivan L	499300	5599350	1.0	7.5YR6/2	8.8	9.8	9.0	0	780	5	18.6	47.0	34.3	15.9	12.9	28.8	1.23
13	Wababimiga Lake	550350	5578800	1.0	2.5Y 5/2	8.9	12.1	8.6	0	2000	4	51.0	18.7	30.3	10.7	19.4	30.1	0.55
14	Wababimiga Lake	550800	5575750	1.0	2.5Y 6/2	9.4	13.6	9.8	0	610	2	30.5	43.4	26.1	7.4	19.0	26.4	0.39
15	Wababimiga Lake	550100	5573300	1.0	2.5Y 5/2	10.2	14.1	9.6	0	580	2	51.3	21.7	27.0	13.8	18.8	32.6	0.73
16	Wababimiga Lake	549400	5572500	1.0	2.5Y 5/2	10.6	5.4	3.6	0	1080	5	50.4	14.4	35.1	11.4	19.5	30.9	0.58
17	Wababimiga Lake	548500	5571900	1.0	2.5Y 6/2	10.4	8.8	6.7	0	1290	4	52.1	19.5	28.5	13.5	20.1	33.6	0.67
18	Wababimiga Lake	545700	5570300	1.0	2.5Y 6/2	10.1	8.4	6.4	1	860	5	53.6	16.1	30.4	16.3	19.8	36.1	0.82
19	Wababimiga Lake	542900	5568800	1.0	2.5Y 6/2	10.2	22.1	13.8	0	1260	2	48.1	15.5	36.4	17.8	17.6	35.4	1.01
20	Wababimiga Lake	541000	5565950	2.0	2.5Y 5/2	9.6	12.2	8.1	0	1980	5	54.2	14.1	31.7	16.6	18.4	35.0	0.90
21	Wababimiga Lake	539350	5564850	1.0	2.5Y 5/2	9.5	13.5	8.9	0	1850	6	48.5	18.2	33.3	16.2	17.0	33.2	0.95
23	N of Longlac	532350	5553900	1.0	2.5Y 5/2	9.3	13.2	10.0	0	950	3	49.4	15.6	35.0	17.9	15.7	33.6	1.14
24	N of Longlac	532000	5550800	2.0	2.5Y 5/2	8.2	12.4	7.3	0	970	2	39.3	29.0	31.7	16.2	17.3	33.5	0.94
25	N of Longlac	531700	5545800	1.0	10 YR6/3	7.8	3.7	2.9	0	1260	6	44.6	21.3	34.2	22.1	15.9	38.0	1.39

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
54	N of Longlac	543600	5543000	2.1	2.5Y 6/2	9.2	5.3	4.0	0	1650	7	48.9	12.4	38.6	16.8	18.4	35.2	0.91
55	N of Longlac	556750	5549150	1.1	2.5Y 6/2	9.0	11.1	8.6	0	3140	3	57.1	11.8	31.1	13.8	18.4	32.2	0.75
56	N of Longlac	547100	5539200	0.9	2.5Y 6/2	10.3	10.4	8.2	0	3460	2	48.1	19.6	32.2	17.1	18.3	35.4	0.93
68	Esnagami Lake	537750	5591800	1.2	2.5Y 6/2	9.3	15.8	6.1	0	570	0	37.7	24.6	37.7	16.6	17.8	34.4	0.93
69	Esnagami Lake	534300	5589550	0.9	2.5Y 5/2	9.8	21.2	8.7	0	830	1	30.6	32.4	37.1	15.1	15.4	30.5	0.98
70	Esnagami Lake	532000	5587250	0.9	2.5Y 6/2	8.6	11.1	7.6	0	1620	1	19.9	54.2	26.0	16.0	15.4	31.4	1.04
71	Esnagami Lake	528600	5582800	1.4	2.5Y 6/2	9.1	9.5	7.6	0	2500	4	45.0	17.8	37.3	15.4	18.1	33.5	0.85
72	Esnagami Lake	524700	5580000	1.0	2.5Y 5/2	9.2	9.9	8.1	0	1160	0	46.4	19.4	34.3	18.4	16.0	34.4	1.15
73	Esnagami Lake	521450	5575350	1.5	2.5Y 6/2	9.3	10.9	7.5	0	800	6	48.7	15.5	35.9	16.4	17.5	33.9	0.94
74	Esnagami Lake	518500	5569750	1.8	2.5Y 5/2	9.1	10.0	5.6	1	880	6	22.2	45.3	32.6	14.8	17.2	32.0	0.86
75	Esnagami Lake	515650	5565050	2.8	2.5Y 6/2	9.2	9.9	6.5	0	2420	8	51.7	15.7	32.7	14.3	18.4	32.7	0.78
76	N of O'Sullivan L	492850	5593100	1.1	2.5Y 6/2	9.1	11.3	7.7	1	1690	6	12.7	65.8	21.4	3.5	15.3	18.8	0.23
77	N of O'Sullivan L	498000	5597450	1.0	2.5Y 6/2	9.1	10.3	7.0	0	3380	3	45.0	25.1	29.9	13.9	16.7	30.6	0.83
78	N of O'Sullivan L	504100	5607800	0.7	2.5Y 5/2	8.9	11.0	6.7	0	3280	4	36.3	23.9	39.8	11.3	18.0	29.3	0.63
79	N of O'Sullivan L	503150	5612000	0.9	2.5Y 5/2	9.8	13.3	9.2	0	1320	2	38.7	17.7	43.6	13.7	16.9	30.6	0.81
80	N of O'Sullivan L	502100	5613850	0.9	2.5Y 6/2	9.4	11.4	5.9	0	770	2	39.4	23.0	37.6	15.3	17.6	32.9	0.87
81	N of O'Sullivan L	507450	5610800	0.6	2.5Y 6/2	9.6	7.7	5.7	0	1170	2	38.7	24.2	37.1	18.2	16.1	34.3	1.13
82	N of O'Sullivan L	508900	5610250	1.8	2.5Y 6/2	7.9	10.8	5.3	0	2130	6	32.6	25.9	41.5	17.3	16.9	34.2	1.02
83	N of O'Sullivan L	511550	5608800	2.0	2.5Y 6/2	8.9	9.3	6.1	0	940	21	27.6	22.3	50.1	19.6	14.2	33.8	1.38
84	N of O'Sullivan L	511350	5607200	0.9	2.5Y 6/2	9.8	10.3	7.3	0	1110	7	40.6	19.2	40.3	18.4	14.8	33.2	1.24
85	Ogoki Road	450300	5598650	1.4	2.5Y 5/2	9.1	15.5	6.3	0	570	0	0.8	81.6	18.4	0.4	2.2	2.6	0.17
86	Ogoki Road	475550	5586950	2.5	2.5Y 6/2	9.4	12.1	8.5	0	970	5	25.0	41.0	34.0	10.7	13.1	23.8	0.82
87	Auden	436300	5563650	0.7	2.5Y 5/2	8.6	11.7	8.1	0	1020	7	21.8	54.1	24.2	8.2	14.5	22.7	0.56
88	Auden	436750	5560950	0.9	2.5Y 6/2	13.0	21.3	17.0	1	1670	2	39.8	21.5	38.7	9.5	18.6	28.1	0.51
89	Auden	436950	5558900	0.5	2.5Y 6/2	9.6	9.9	6.0	1	1780	20	36.1	30.5	33.4	8.8	18.5	27.3	0.48
90	Onaman River	447800	5551250	1.4	2.5Y 6/2	10.4	12.0	8.7	0	970	6	10.0	52.7	37.2	11.6	11.0	22.6	1.05
91	Onaman River	449200	5542050	1.1	2.5Y 6/2	8.8	6.7	4.4	0	1350	13	13.0	59.3	27.6	12.1	13.1	25.2	0.92
92	Onaman River	457850	5543700	0.7	2.5Y 6/2	11.4	12.3	11.5	0	1450	5	29.0	23.8	47.2	9.2	16.8	26.0	0.54
93	Onaman River	454200	5541200	2.0	2.5Y 7/2	9.2	12.8	10.5	11	200	6	10.6	56.3	33.2	10.5	16.6	27.1	0.63
109	Squaw River	565600	5606700	5.0	2.5Y 4/2	7.2	6.1	3.3	0	1410	2	53.7	11.6	34.7	24.1	18.2	42.3	1.32
110	Esnagami River	566000	5618200	5.5	2.5Y 4/2	6.8	6.4	3.5	0	1950	2	41.0	24.7	34.3	20.2	21.6	41.8	0.94

Location Map I:

57	NE of Longlac	549450	5534750	1.5	10 YR6/3	9.9	6.5	7.3	0	1870	7	36.3	26.9	36.8	18.8	15.8	34.6	1.19
814	Klotz Lake	583200	5516700	2.0	10YR 5/3	1.5	0.5	0.3	0	0	97	59.5	0.0	40.5	15.6	17.4	33.0	0.90
815	E of Klotz Lake	639600	5513300	1.0	2.5Y 5/2	1.5	1.0	0.4	0	610	0	56.7	6.7	36.5	17.4	17.8	35.2	0.98
816	Hornepayne	662200	5454700	2.0	2.5Y 6/4	1.5	1.9	0.6	0	350	0	42.9	19.8	37.2	11.2	22.4	33.6	0.50
817	Manitouwadge	584500	5436600	3.0	10YR 5/3	1.5	1.4	0.5	0	460	9	67.3	14.3	18.4	16.0	21.4	37.4	0.75
818	Manitouwadge	584000	5407300	2.0	10YR 5/3	1.5	1.8	0.5	0	350	7	49.4	18.0	32.6	14.4	20.4	34.8	0.71
819	Hemlo	591200	5396300	1.0	2.5Y 7/2	1.6	1.0	0.2	0	690	14	10.1	76.8	13.1	11.6	22.6	34.2	0.51
820	White River	617000	5387800	2.0	2.5Y 6/2	1.5	2.8	0.7	0	270	11	38.9	48.1	13.0	10.8	19.2	30.0	0.56
821	White River	631000	5379800	1.5	2.5Y 6/4	1.5	1.3	0.3	0	560	34	46.8	37.1	16.1	10.0	13.2	23.2	0.76

Location Map J:

101	Albany River	636000	5694800	7.5	2.5Y 5/2	10.6	7.8	4.3	2	1610	0	56.5	4.2	39.3	25.0	15.7	40.7	1.59
102	Albany River	653400	5674900	1.5	2.5Y 5/2	12.8	7.8	4.4	0	2250	2	61.3	6.8	31.9	24.8	14.8	39.6	1.68
103	Albany River	662000	5670300	1.5	2.5Y 4/2	12.8	9.1	6.6	0	1910	0	60.7	5.0	34.3	25.7	14.0	39.7	1.84
104	Albany River	608500	5720100	8.5	2.5Y 4/2	12.0	8.0	4.6	0	1640	0	59.5	8.9	31.7	20.9	19.7	40.6	1.06
107	Ogoki River	572000	5704800	1.9	7.5YR 4/4	11.1	3.0	1.5	0	3220	4	52.6	10.3	37.2	20.4	16.5	36.9	1.24
111	Little Current Riv	583800	5633000	2.3	5.0Y 5/2	8.5	6.2	3.6	0	3040	4	64.1	0.8	35.1	11.9	21.4	33.3	0.56
112	Little Current Riv	619900	5639000	4.4	2.5Y 4/2	11.1	8.8	4.9	0	2010	1	63.1	1.3	35.5	19.9	23.3	43.2	0.85
113	Little Current Riv	646800	5643800	2.5	2.5Y 6/2	9.7	8.4	5.8	0	2160	0	61.9	8.3	29.8	17.0	26.4	43.4	0.64
114	Little Current Riv	656000	5644100	2.0	5.0Y 4/2	12.5	9.1	6.7	0	3900	0	54.2	5.1	40.7	21.2	20.2	41.4	1.05

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
Hole A:																		
1001	Colter Twp	475700	5505100	1.0	2.5Y 6/2	7.6	12.6	7.7	0	1880	1	28.5	33.4	38.1	14.7	15.9	30.6	0.92
1002	.	.	.	2.1	2.5Y 6/2	14.3	18.8	11.5	0	1880	4	36.2	27.2	36.6	13.9	19.1	33.0	0.73
1003	.	.	.	4.5	2.5Y 6/2	14.4	12.7	7.4	0	2770	6	39.9	24.9	35.2	16.2	19.1	35.3	0.85
1004	.	.	.	5.5	2.5Y 6/2	12.9	10.0	5.3	0	1800	5	11.1	33.3	55.6	16.8	24.1	40.9	0.70
1005	.	.	.	6.5	5.0Y 5/1	10.2	9.5	4.6	0	1960	1	51.3	12.9	35.8	15.0	21.8	36.8	0.69
1006	.	.	.	7.5	5.0Y 5/1	10.3	9.1	5.0	0	2720	4	34.4	19.4	46.2	14.4	18.9	33.3	0.76
Hole C:																		
1007	Colter Twp	480100	5506800	1.0	2.5Y 7/4	11.5	14.1	9.4	2	2460	6	43.9	20.4	35.7	8.4	22.4	30.8	0.37
1008	.	.	.	4.3	2.5Y 6/2	11.1	12.9	9.5	0	1330	4	46.3	22.2	31.5	10.6	19.9	30.5	0.53
1009	.	.	.	6.5	2.5Y 6/2	6.2	6.9	3.6	0	1250	2	37.5	28.1	34.4	15.7	19.6	35.3	0.80
1010	.	.	.	7.8	5.0Y 5/1	13.4	10.1	6.6	0	2300	15	29.7	36.2	34.1	13.1	19.8	32.9	0.66
1011	.	.	.	9.0	5.0Y 4/1	11.1	6.2	4.0	0	1900	10	16.0	54.1	29.9	14.1	16.3	30.4	0.87
1012	.	.	.	10.0	5.0Y 4/1	11.6	7.5	5.6	0	920	9	22.0	58.5	19.5	14.9	15.6	30.5	0.96
1013	.	.	.	11.5	5.0Y 4/1	11.8	8.9	5.6	0	4000	11	24.8	41.8	33.5	17.4	15.0	32.4	1.16
1014	.	.	.	12.5	5.0Y 4/1	10.9	5.4	4.1	0	3200	6	41.0	29.2	29.8	18.4	15.7	34.1	1.17
1015	.	.	.	13.5	5.0Y 4/1	12.5	6.4	4.4	0	1130	11	36.1	36.8	27.1	17.9	15.5	33.4	1.15
Hole D:																		
1016	Colter Twp	480750	5507250	1.0	2.5Y 6/2	10.7	7.1	5.0	0	1410	6	46.7	37.5	15.9	16.0	22.2	38.2	0.72
1017	.	.	.	2.0	2.5Y 6/2	9.0	5.1	3.3	0	1700	7	44.1	16.8	39.1	15.2	22.8	38.0	0.67
1018	.	.	.	3.0	2.5Y 6/2	9.4	7.5	5.4	0	1140	2	45.9	16.0	38.1	17.2	20.3	37.5	0.85
1019	.	.	.	4.0	2.5Y 6/2	10.9	6.2	4.6	0	570	8	52.6	13.3	34.1	17.7	20.5	38.2	0.86
1020	.	.	.	5.0	2.5Y 6/2	12.1	4.6	3.7	0	1180	9	42.5	17.5	40.0	17.0	20.3	37.3	0.84
1021	.	.	.	6.3	2.5Y 6/2	16.3	5.2	3.7	1	3330	11	44.7	17.0	38.3	17.1	22.6	39.7	0.76
1022	.	.	.	7.5	5.0Y 5/1	9.0	7.4	5.1	0	1490	6	35.1	29.9	35.1	15.2	22.8	38.0	0.67
1023	.	.	.	8.5	5.0Y 5/1	10.1	7.1	4.7	1	1660	7	52.7	14.3	33.0	14.6	23.0	37.6	0.63
1024	.	.	.	9.5	5.0Y 5/1	11.4	7.8	5.7	0	2290	5	32.4	26.0	41.6	15.1	23.3	38.4	0.65
1025	.	.	.	10.8	5.0Y 5/1	12.6	6.3	4.4	0	1890	8	12.1	62.9	25.0	13.9	16.1	30.0	0.86
1026	.	.	.	12.0	5.0Y 4/1	12.4	8.5	5.6	0	2060	11	19.7	51.0	29.3	15.2	15.2	30.4	1.00
1027	.	.	.	13.0	5.0Y 4/1	11.8	7.7	5.1	0	2300	15	18.7	49.2	32.1	15.9	14.9	30.8	1.07
1028	.	.	.	14.0	5.0Y 4/1	8.7	6.0	3.9	0	1450	8	23.9	51.0	25.2	14.1	17.1	31.2	0.82
1029	.	.	.	15.0	5.0Y 4/1	9.0	8.3	5.1	0	1320	5	25.2	50.4	24.4	16.3	15.7	32.0	1.04
1030	.	.	.	16.0	5.0Y 4/1	15.4	11.4	8.0	0	1540	2	18.4	59.6	22.0	14.4	16.6	31.0	0.87
1031	.	.	.	17.0	5.0Y 4/1	11.3	9.7	6.4	0	1710	5	28.4	42.6	29.1	15.8	16.0	31.8	0.99
1032	.	.	.	18.0	5.0Y 4/1	11.3	10.5	6.4	0	1660	7	30.9	45.1	24.0	14.2	14.8	29.0	0.96
1033	.	.	.	19.0	5.0Y 4/1	10.3	10.6	6.2	0	3250	2	29.6	38.5	32.0	16.7	16.8	33.5	0.99
1034	.	.	.	20.0	5.0Y 4/1	11.7	11.1	6.9	0	1530	2	41.2	30.3	28.5	16.9	18.1	35.0	0.93
1035	.	.	.	21.0	5.0Y 4/1	12.6	11.5	7.3	0	1500	5	39.7	31.9	28.4	16.5	16.5	33.0	1.00
1036	.	.	.	22.0	5.0Y 4/1	12.3	11.7	6.7	0	2910	6	36.4	35.7	27.8	14.8	17.6	32.4	0.84
1037	.	.	.	23.0	5.0Y 4/1	10.9	10.1	5.7	0	1140	6	34.3	39.7	25.9	16.5	16.5	33.0	1.00
1038	.	.	.	24.0	5.0Y 4/1	11.7	9.1	5.8	0	1930	6	32.9	43.1	23.9	15.3	16.7	32.0	0.92
1039	.	.	.	25.0	5.0Y 4/1	11.1	9.1	6.4	0	1890	6	29.8	33.4	36.8	17.6	17.1	34.7	1.03
1040	.	.	.	26.0	5.0Y 4/1	9.4	9.3	5.2	0	1890	5	27.9	33.2	38.9	16.3	15.5	31.8	1.05
1041	.	.	.	27.0	5.0Y 4/1	13.5	16.2	13.3	0	1070	3	32.0	31.3	36.7	15.3	17.2	32.5	0.89
1042	.	.	.	28.0	5.0Y 4/1	14.0	20.1	14.3	1	2360	5	24.7	23.0	52.3	14.2	16.3	30.5	0.87
1043	.	.	.	29.0	5.0Y 5/1	14.1	25.7	18.9	0	1710	3	21.6	31.9	46.4	14.7	19.9	34.6	0.74
1044	.	.	.	30.0	5.0Y 5/1	11.5	23.0	14.3	0	990	3	25.5	21.5	53.0	16.3	13.5	29.8	1.21
1045	.	.	.	31.0	2.5Y 6/2	9.8	17.9	12.0	0	2720	7	25.5	27.6	46.9	16.5	12.9	29.4	1.28
1046	.	.	.	32.0	5.0Y 5/1	9.2	14.4	9.6	0	1890	6	26.1	31.9	42.0	17.3	16.3	33.6	1.06
1047	.	.	.	35.5	5.0Y 6/1	12.3	18.5	12.7	0	1310	6	23.3	34.9	41.7	15.8	15.5	31.3	1.02
1048	.	.	.	39.0	5.0Y 6/1	13.0	13.1	11.2	0	1140	3	31.5	18.1	50.4	15.3	20.8	36.1	0.74

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
1049				43.5	5.0Y 6/1	14.5	16.8	10.7	0	1010	4	19.6	49.5	30.9	15.9	18.7	34.6	0.85
1050				45.0	5.0Y 5/1	13.0	14.8	9.8	1	2110	8	33.8	36.4	29.8	16.1	20.6	36.7	0.78
1051				46.0	5.0Y 5/1	10.6	14.0	9.2	0	1340	4	37.0	30.2	32.8	19.1	21.6	40.7	0.88
1052				47.0	5.0Y 6/2	12.8	13.6	10.4	0	1440	6	40.4	29.8	29.8	17.2	22.4	39.6	0.77
1053				48.0	5.0Y 7/1	10.6	10.6	7.5	0	3470	12	50.0	11.5	38.5	19.2	24.7	43.9	0.78
1054				49.0	5.0Y 7/1	11.8	9.5	6.9	0	4290	17	48.1	22.2	29.6	18.5	25.1	43.6	0.74
1055				50.0	5.0Y 6/1	12.9	9.6	7.1	0	3080	12	14.3	54.3	31.4	19.0	25.3	44.3	0.75
1056				51.0	5.0Y 6/1	12.2	12.2	8.6	0	2550	12	31.5	38.9	29.6	18.5	25.1	43.6	0.74
1057				52.0	5.0Y 6/1	12.3	9.7	6.8	0	2090	11	35.5	32.3	32.3	16.5	26.8	43.3	0.62
1058				53.5	N 4/0	13.7	29.7	7.2	1	430	2	0.0	4.9	95.1	7.7	9.8	17.5	0.78
1059				55.0	5.0Y 5/1	15.8	42.7	8.1	1	270	1	0.2	10.7	89.1	9.3	6.8	16.1	1.36
1060				56.0	5.0Y 5/1	15.6	33.2	6.9	0	200	1	0.2	7.7	92.1	7.5	4.8	12.2	1.56
1061				59.5	5.0Y 5/1	12.4	46.6	3.5	1	150	2	0.0	5.6	94.4	8.5	7.3	15.8	1.16
Hole E:																		
1062	Colter Twp	481900	5507300	0.5	2.5Y 6/2	9.8	13.6	11.1	0	870	3	50.0	14.1	35.9	9.5	16.6	26.1	0.57
1063				2.0	2.5Y 6/2	10.1	18.4	17.0	0	960	4	41.0	18.1	40.9	10.9	17.7	28.6	0.62
1064				5.3	2.5Y 6/2	12.2	15.4	12.2	0	2230	6	43.8	17.5	38.7	15.3	19.5	34.8	0.78
1065				6.8	5.0Y 5/1	12.9	12.3	9.0	0	1420	7	31.6	30.2	38.1	15.1	18.9	34.0	0.80
1066				8.0	5.0Y 5/1	10.5	9.6	6.7	0	1830	6	33.8	24.0	42.2	13.2	18.9	32.1	0.70
1067				9.0	5.0Y 5/1	12.9	6.9	5.3	0	2490	13	21.5	44.0	34.5	13.8	20.2	34.0	0.68
1068				10.0	5.0Y 5/1	11.1	8.5	5.3	0	1340	5	33.8	28.5	37.7	14.2	18.7	32.9	0.76
1069				11.0	5.0Y 5/1	12.4	10.7	8.1	0	1560	2	27.2	43.3	29.5	14.3	16.3	30.6	0.88
1070				12.0	5.0Y 5/1	13.0	10.4	7.2	0	1110	2	28.9	29.3	41.8	14.8	18.2	33.0	0.81
1071				13.0	5.0Y 5/1	12.5	11.1	6.7	0	940	3	24.5	39.7	35.7	15.5	16.1	31.6	0.96
1072				14.0	5.0Y 5/1	11.5	8.8	5.7	0	1330	3	26.0	35.9	38.1	13.7	18.2	31.9	0.75
1073				15.0	5.0Y 5/1	11.9	8.2	5.7	0	1080	1	29.1	36.5	34.4	13.8	16.6	30.4	0.83
1074				16.0	5.0Y 4/1	12.6	9.4	7.1	1	1840	2	21.5	40.5	38.0	13.3	17.5	30.8	0.76
1075				17.0	5.0Y 4/1	12.3	9.3	6.7	0	1220	6	21.8	37.5	40.6	14.7	16.3	31.0	0.90
1076				19.0	5.0Y 5/1	13.5	11.8	7.5	0	3950	0	39.9	32.5	27.5	19.0	13.0	31.9	1.46
1077				20.0	5.0Y 4/1	12.0	10.0	7.6	1	3420	5	24.1	49.1	26.8	15.9	11.7	27.6	1.36
1078				21.0	5.0Y 4/1	12.7	11.6	10.0	0	3010	1	26.7	40.2	33.0	16.0	15.9	31.9	1.01
1079				22.0	5.0Y 4/1	12.8	6.1	4.2	0	5700	0	29.0	41.2	29.8	17.4	15.0	32.5	1.16
1080				23.0	5.0Y 4/1	12.5	9.6	6.6	0	1210	2	35.4	34.6	30.0	17.4	15.7	33.1	1.11
1081				24.0	5.0Y 4/1	12.0	6.1	3.9	0	1430	2	38.3	34.3	27.4	18.9	14.6	33.5	1.29
1082				25.0	5.0Y 5/1	13.7	8.5	5.7	0	1990	4	37.0	33.1	29.9	17.4	16.0	33.4	1.09
1083				26.0	5.0Y 4/1	14.9	9.4	6.6	0	1240	2	42.1	25.3	32.6	17.3	16.2	33.4	1.07
1084				27.0	5.0Y 4/1	13.8	10.3	6.9	0	1660	6	34.2	26.3	39.5	17.1	16.2	33.3	1.05
1085				28.0	5.0Y 4/1	13.7	9.1	6.6	1	1290	1	46.6	26.5	26.9	17.5	15.3	32.8	1.14
1086				29.0	5.0Y 4/1	11.9	8.5	5.8	0	1360	4	41.9	31.6	26.6	17.5	13.8	31.4	1.27
1087				30.0	5.0Y 4/1	14.0	9.4	7.1	1	1090	2	39.7	35.1	25.3	17.2	14.6	31.8	1.17
1088				31.0	5.0Y 4/1	13.5	8.2	5.8	0	1390	4	38.7	29.1	32.2	17.4	17.0	34.4	1.02
1089				32.0	5.0Y 5/1	13.5	4.5	3.5	0	740	7	40.0	26.7	33.3	19.8	18.8	38.6	1.05
1090				33.0	5.0Y 5/1	11.9	5.4	5.6	0	2110	6	49.6	18.1	32.3	19.9	18.6	38.5	1.07
1091				34.0	5.0Y 5/1	12.5	7.9	6.1	0	2170	7	42.5	20.6	36.9	20.5	16.8	37.3	1.21
1092				35.0	5.0Y 4/1	12.0	9.7	5.0	1	1730	5	32.6	36.8	30.6	17.0	14.6	31.6	1.17
1093				36.0	5.0Y 4/1	12.9	9.1	5.0	0	1240	2	30.6	31.0	38.4	16.0	16.4	32.4	0.98
1094				37.5	5.0Y 4/1	12.3	9.2	5.2	0	1230	6	28.1	50.5	21.3	14.9	15.3	30.2	0.97
1095				38.5	5.0Y 4/1	12.2	10.5	5.2	0	970	3	27.3	51.6	21.1	13.1	11.7	24.8	1.12
1096				39.5	5.0Y 4/1	12.9	8.3	4.7	0	1020	1	21.2	54.9	23.9	15.1	11.2	26.3	1.35
1097				43.5	5.0Y 5/1	12.8	21.2	3.6	0	400	1	1.0	11.5	87.5	7.4	7.9	15.3	0.95
1098				44.5	5.0Y 5/1	12.8	24.7	3.6	2	1360	1	0.0	2.9	97.1	7.8	10.2	18.0	0.76
1099				46.3	5.0Y 5/1	15.3	24.2	4.0	1	1420	0	0.2	2.1	97.8	6.7	10.2	17.0	0.66
1100				48.5	N 6/0	13.5	17.3	8.4	0	650	10	0.7	5.6	93.7	7.2	7.5	14.6	0.96

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
Hole F:																		
1101	Lindsley Twp	487900	5505350	0.5	2.5Y 6/2	10.9	8.1	6.4	0	1060	10	35.6	23.6	40.8	13.0	17.4	30.5	0.75
1102			1.5	2.5Y 6/2	11.3	8.8	5.8	0	1920	3	33.9	24.5	41.6	18.5	14.1	32.5	1.31
1103			2.5	2.5Y 6/2	12.3	6.9	5.1	0	2420	6	33.3	33.1	33.7	17.0	13.0	30.0	1.30
1104			3.5	2.5Y 6/4	12.3	8.9	5.9	0	1910	5	30.2	24.5	45.3	18.6	13.9	32.5	1.33
1105			4.5	5.0Y 4/2	11.1	7.4	4.7	0	4790	3	16.8	30.0	53.1	18.3	13.6	31.8	1.34
1106			5.5	5.0Y 4/1	11.3	10.2	5.5	0	1670	4	28.9	39.5	31.6	18.8	13.3	32.1	1.41
1107			6.5	5.0Y 4/1	12.8	11.8	7.0	0	1910	4	26.5	36.8	36.8	18.0	12.7	30.7	1.42
1108			7.3	5.0Y 4/1	10.7	8.9	5.4	0	1280	0	43.0	22.2	34.8	19.9	13.1	32.9	1.52
1109			8.0	5.0Y 4/1	9.4	8.5	5.0	0	2670	39	41.8	29.2	29.0	19.4	13.4	32.8	1.44
1110			8.8	5.0Y 4/1	9.7	2.5	0.4	0	120	15	46.1	18.6	35.3	18.6	13.2	31.7	1.41
Hole G:																		
1111	Lindsley Twp	488400	5506100	0.5	2.5Y 6/2	11.6	11.5	6.0	0	990	2	33.3	33.2	33.5	15.8	16.5	32.3	0.96
1112			1.5	2.5Y 6/2	12.6	6.0	4.7	0	2870	8	29.8	40.3	29.9	16.4	16.0	32.4	1.02
1113			2.5	2.5Y 6/2	14.1	11.1	9.1	0	2080	1	20.3	53.5	26.2	13.4	11.8	25.2	1.13
1114			3.5	2.5Y 6/4	13.8	9.5	6.6	0	2480	4	24.9	45.9	29.2	16.5	14.0	30.4	1.18
1115			4.5	5.0Y 4/1	12.9	8.7	6.2	0	1320	1	23.9	40.5	35.5	17.5	14.6	32.1	1.20
1116			5.5	5.0Y 4/1	11.8	9.5	5.8	0	1800	1	25.4	45.4	29.2	16.4	15.4	31.8	1.06
1117			6.5	5.0Y 4/1	11.4	8.1	5.6	0	2200	3	20.8	45.9	33.2	18.0	14.1	32.1	1.28
1118			7.5	5.0Y 4/1	11.8	10.1	6.4	0	3430	8	22.7	42.4	34.9	18.0	13.7	31.7	1.31
1119			8.3	5.0Y 4/1	13.0	17.1	10.2	0	670	1	26.3	41.1	32.6	17.0	13.2	30.2	1.29
Hole H:																		
1120	Lindsley Twp	489250	5505700	1.0	2.5Y 6/2	12.8	13.1	9.5	0	870	3	37.5	31.3	31.2	17.1	14.1	31.2	1.21
1121			2.5	2.5Y 5/2	13.2	11.5	6.8	0	1040	0	30.7	36.5	32.8	17.7	13.5	31.2	1.31
1122			3.5	2.5Y 5/2	13.3	12.0	6.7	0	1490	3	31.9	30.4	37.7	19.3	13.1	32.4	1.47
1123			4.5	5.0Y 5/2	12.4	11.8	6.9	0	1500	2	25.1	40.9	34.0	16.9	11.8	28.7	1.44
1124			5.5	5.0Y 5/1	12.2	12.8	7.7	0	930	3	29.6	20.4	50.0	17.8	15.2	33.0	1.17
1125			6.5	5.0Y 4/1	12.4	12.0	7.0	0	1000	1	31.4	37.1	31.4	18.2	14.8	33.1	1.23
1126			7.5	5.0Y 4/1	12.9	12.6	8.5	0	1390	1	25.5	35.4	39.1	17.7	15.3	32.9	1.16
1127			8.5	5.0Y 4/1	14.1	13.2	8.2	0	1350	0	30.5	28.2	41.2	18.4	13.9	32.3	1.32
1128			9.5	5.0Y 4/1	12.5	8.3	5.5	0	1470	9	26.1	31.9	42.0	18.0	14.4	32.3	1.25
1129			10.5	5.0Y 4/1	13.2	10.6	6.1	0	2280	7	38.0	21.5	40.5	18.6	15.4	34.0	1.21
1130			11.5	5.0Y 4/1	12.4	9.9	5.8	0	1220	2	28.9	36.5	34.7	18.8	14.9	33.7	1.26
1131			12.5	5.0Y 4/1	12.4	2.9	1.6	0	220	9	27.4	33.4	39.2	19.9	14.3	34.2	1.39
1132			13.5	5.0Y 4/1	12.0	6.9	4.3	0	2610	2	25.4	43.2	31.4	19.5	13.9	33.4	1.40
1133			14.5	5.0Y 5/1	12.2	8.4	5.9	0	1270	10	21.6	39.9	38.5	17.7	14.7	32.4	1.20
1134			15.5	5.0Y 5/1	12.1	6.8	4.5	0	2710	7	37.7	26.0	36.3	18.2	14.8	33.0	1.23
1135			16.5	5.0Y 4/1	10.6	9.7	5.1	0	1820	10	24.5	44.8	30.7	17.8	14.0	31.9	1.27
1136			17.5	5.0Y 4/1	11.8	9.7	6.2	0	1850	1	19.5	52.6	27.9	16.6	12.8	29.5	1.30
1137			18.5	5.0Y 4/1	12.6	9.7	5.6	0	1880	1	24.9	48.0	27.0	16.9	14.6	31.5	1.15
1138			19.5	5.0Y 4/1	12.5	9.0	5.2	0	1980	3	28.3	46.8	24.9	18.5	14.0	32.5	1.32
1139			20.5	5.0Y 4/1	12.7	9.0	4.9	0	1990	12	31.2	33.0	35.9	19.0	13.9	32.9	1.36
1140			21.5	5.0Y 4/1	11.6	8.9	5.0	0	1190	5	26.3	47.9	25.7	19.4	13.3	32.7	1.46
1141			22.5	5.0Y 4/1	12.7	8.3	5.0	0	2260	8	28.0	44.8	27.1	19.4	12.8	32.2	1.51
1142			23.5	5.0Y 4/1	12.6	7.1	4.6	0	1050	4	36.6	33.5	29.9	19.3	13.2	32.5	1.46
1143			24.5	5.0Y 4/1	13.7	8.7	5.8	0	1370	4	26.9	38.9	34.2	19.3	13.2	32.5	1.46
1144			25.5	5.0Y 4/1	12.2	9.4	5.4	0	3880	5	34.7	32.0	33.3	19.5	13.3	32.8	1.47
1145			26.5	5.0Y 4/1	11.7	5.8	3.4	0	1040	2	38.3	30.2	31.5	19.6	13.3	32.9	1.48
1146			27.5	5.0Y 4/1	12.4	13.2	7.1	0	3650	2	30.7	22.8	46.5	15.5	14.6	30.1	1.07

#	Location	Easting m	Northing m	Depth m	Munsell Colour	Weight kg	Nonmag g	Mag g	Gold Grains	Yellow /10g	Blue /10g	Carb %	Gran %	M&M %	Calcite %	Dolomite %	Total %	CD Ratio
Hole I:																		
1147	Lindsley Twp	489800	5506350	0.5	2.5Y 6/2	11.2	8.8	5.5	0	670	7	39.0	26.9	34.1	12.7	13.2	25.9	0.97
1148				1.5	2.5Y 5/2	13.1	8.2	6.7	0	1090	3	36.2	31.6	32.2	18.6	14.8	33.4	1.26
1149				2.5	2.5Y 5/2	12.5	7.9	5.5	0	1350	5	28.6	22.8	48.5	18.0	13.5	31.5	1.33
1150				3.5	2.5Y 5/2	12.2	4.6	4.7	0	1330	8	31.4	36.1	32.5	16.5	13.6	30.1	1.22
1151				4.5	5.0Y 4/1	12.3	7.7	4.9	0	1650	0	30.2	27.3	42.6	17.9	14.7	32.6	1.21
1152				5.5	5.0Y 5/1	12.7	11.0	7.0	0	3240	5	30.1	29.6	40.3	17.6	15.1	32.7	1.17
1153				6.5	5.0Y 4/1	12.9	11.4	7.2	1	1190	4	35.3	28.5	36.2	18.6	14.6	33.2	1.27
1154				7.5	5.0Y 5/1	12.4	5.9	5.0	0	1980	6	28.1	34.7	37.2	17.7	14.8	32.6	1.20
1155				8.5	5.0Y 5/1	12.6	13.2	8.2	0	900	4	28.6	31.0	40.5	18.0	14.2	32.2	1.27
1156				9.5	5.0Y 5/1	11.2	7.7	4.4	0	1380	5	33.9	34.4	31.7	18.7	15.2	33.9	1.23
1157				10.5	5.0Y 5/1	11.3	4.0	2.4	0	920	6	38.7	35.6	25.8	18.3	15.2	33.5	1.21
1158				11.5	5.0Y 4/1	11.6	7.3	4.4	0	1230	7	33.0	30.4	36.6	18.8	15.4	34.2	1.22
1159				12.5	5.0Y 4/1	11.7	6.8	4.0	0	510	2	29.4	32.6	38.0	18.8	14.5	33.3	1.30
1160				13.5	5.0Y 4/1	11.7	10.8	7.1	0	3310	4	27.3	42.3	30.3	17.2	15.2	32.3	1.13
1161				14.5	5.0Y 4/1	12.3	3.8	2.2	0	960	3	26.8	26.1	47.1	15.4	16.0	31.4	0.96
1162				15.5	5.0Y 4/1	12.2	9.5	5.5	0	1080	4	31.4	27.4	41.3	17.7	14.0	31.7	1.27
1163				16.5	5.0Y 4/1	12.4	7.2	4.4	0	380	0	31.9	37.8	30.3	17.6	14.3	31.9	1.24
1164				17.5	5.0Y 4/1	12.4	9.6	5.5	0	1290	3	23.6	34.7	41.7	17.9	13.3	31.2	1.35
1165				18.5	5.0Y 4/1	11.9	9.1	5.4	0	1120	10	26.1	45.4	28.5	18.5	13.0	31.5	1.42
1166				19.5	5.0Y 4/1	12.9	12.2	6.4	0	1620	6	29.5	42.5	28.1	18.3	13.2	31.4	1.39
1167				20.5	5.0Y 4/1	10.9	11.0	5.7	0	1850	6	26.6	42.0	31.4	19.0	13.4	32.3	1.42
1168				21.5	5.0Y 4/1	11.9	10.6	6.3	0	1270	4	30.2	41.2	28.6	18.5	14.0	32.5	1.32
1169				22.5	5.0Y 4/1	12.4	10.6	5.7	0	1270	6	28.6	35.3	36.1	18.1	13.8	31.8	1.31
1170				23.5	5.0Y 4/1	11.5	8.7	5.8	0	1170	3	27.3	45.9	26.8	18.5	13.6	32.1	1.36
1171				24.5	5.0Y 4/1	12.3	8.4	5.9	0	830	5	24.0	46.0	30.1	18.0	13.4	31.4	1.34
1172				25.5	5.0Y 4/1	12.5	8.2	6.2	0	14660	7	27.9	41.6	30.5	18.1	13.8	32.0	1.31
1173				26.5	5.0Y 4/1	11.2	9.3	5.7	0	1080	4	28.2	42.9	29.0	17.9	14.2	32.0	1.26
1174				27.5	5.0Y 4/1	13.0	8.4	6.2	0	1230	0	32.5	34.8	32.7	18.7	13.6	32.2	1.38
1175				28.5	5.0Y 4/1	11.7	8.3	5.8	0	1640	7	37.6	31.4	31.0	17.3	13.9	31.3	1.25
1176				29.5	5.0Y 4/1	12.0	7.9	5.4	0	2510	7	37.7	32.0	30.3	17.9	14.0	32.0	1.28
1177				30.5	5.0Y 4/1	12.7	6.2	4.3	0	960	4	34.8	29.5	35.7	17.8	14.2	32.0	1.25
1178				31.5	5.0Y 4/1	10.2	6.2	4.3	0	670	7	34.6	38.3	27.1	18.9	13.1	32.0	1.45
1179				33.0	5.0Y 4/1	9.9	8.2	5.6	0	500	5	38.3	27.3	34.4	17.2	14.7	31.9	1.17
1180				36.5	5.0Y 5/1	8.5	7.2	8.3	0	370	0	6.0	27.8	66.1	3.6	4.8	8.4	0.74
1181				37.5	5.0Y 5/1	11.4	8.1	13.4	0	310	2	1.9	34.1	64.0	4.3	4.3	8.6	1.00
1182				40.0	5.0Y 5/1	13.9	7.1	12.9	0	1040	1	4.5	24.8	70.7	11.2	9.3	20.4	1.21
1183				41.0	5.0Y 5/1	14.9	9.6	14.7	0	1340	2	6.2	27.0	66.8	14.2	11.7	25.8	1.21
1184				42.0	5.0Y 5/1	15.4	10.0	16.4	0	350	1	7.7	18.9	73.4	14.0	11.2	25.3	1.25
1185				43.0	5.0Y 5/1	13.7	11.2	17.3	39	2020	0	5.2	12.5	82.4	13.2	10.7	23.9	1.24
1186				44.0	5.0Y 5/1	11.9	4.9	7.7	0	7010	4	7.1	19.0	74.0	13.2	15.8	29.0	0.84
1187				45.0	5.0Y 5/1	11.0	3.6	10.4	0	5210	0	13.8	17.2	69.0	15.0	15.9	30.9	0.94
1188				46.0	5.0Y 5/1	12.0	5.0	11.6	0	4690	1	17.0	0.4	82.7	13.0	15.2	28.2	0.86
Hole J:																		
1189	Lindsley Twp	490200	5507250	1.3	2.5Y 6/2	12.6	8.9	11.0	4	1880	3	41.1	22.8	36.0	15.5	16.8	32.3	0.93
1190				2.5	2.5Y 5/2	12.4	5.1	6.9	0	2980	2	46.5	17.2	36.3	18.8	16.6	35.4	1.14
1191				3.3	2.5Y 5/2	8.9	5.0	8.9	0	960	0	45.1	26.9	28.0	17.0	14.6	31.7	1.16
1192				4.0	5.0Y 4/1	13.0	6.3	9.7	0	1100	3	38.1	26.9	35.0	20.8	13.9	34.7	1.50
1193				5.0	5.0Y 4/1	11.9	6.0	9.6	0	1430	3	40.3	16.7	43.0	20.6	14.4	35.0	1.43
1194				6.0	5.0Y 4/1	12.8	6.1	8.8	0	1150	2	38.7	26.2	35.1	19.7	14.8	34.5	1.33
1195				7.0	5.0Y 4/1	12.3	7.3	11.2	0	2450	2	38.3	24.8	36.9	19.8	14.8	34.6	1.34
1196				8.0	5.0Y 4/1	13.0	8.0	12.7	0	1600	4	33.3	29.7	37.0	21.1	12.2	33.3	1.74

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
1197				9.0	5.0Y 4/1	12.6	6.9	10.3	0	1000	3	33.7	30.6	35.7	20.5	13.0	33.5	1.58
1198				10.0	5.0Y 4/1	13.0	7.1	12.5	0	4360	4	36.0	29.0	34.9	19.8	14.3	34.1	1.38
1199				11.0	5.0Y 4/1	12.3	6.1	9.7	0	2150	9	40.1	31.9	28.0	18.4	14.6	33.1	1.26
1200				12.0	5.0Y 4/1	13.6	3.6	6.4	0	2150	4	24.9	35.1	39.9	16.8	15.7	32.5	1.07
1201				13.0	5.0Y 4/1	13.5	10.1	6.7	0	3500	8	28.7	38.8	32.5	17.7	13.9	31.6	1.27
1202				14.0	5.0Y 4/1	12.3	10.8	6.1	0	1670	6	22.7	46.0	31.3	17.5	13.6	31.1	1.29
1203				15.0	5.0Y 4/1	12.4	10.8	6.2	1	3330	1	27.1	40.4	32.4	18.2	13.5	31.8	1.35
1204				16.0	5.0Y 4/1	12.7	9.9	5.5	0	3620	4	17.2	40.1	42.7	18.4	13.2	31.6	1.39
1205				17.0	5.0Y 4/1	13.9	11.7	7.6	0	3080	4	31.4	38.5	30.1	18.3	13.6	31.9	1.35
1206				18.0	5.0Y 4/1	13.0	7.9	6.0	0	2290	8	27.0	45.0	27.9	18.5	13.5	31.9	1.37
1207				19.0	5.0Y 4/1	12.0	9.2	5.6	0	2620	5	28.8	42.5	28.8	18.1	13.8	31.9	1.31
1208				20.0	5.0Y 4/1	12.4	8.0	6.3	0	2230	10	23.0	48.8	28.2	17.9	13.7	31.5	1.31
1209				21.0	5.0Y 4/1	11.8	6.2	8.8	0	1400	7	27.6	39.6	32.8	18.0	13.2	31.2	1.36
1210				22.0	5.0Y 4/1	12.1	9.8	7.0	0	1240	7	23.6	44.8	31.6	18.1	13.0	31.1	1.39
1211				23.0	5.0Y 4/1	13.2	10.7	7.8	0	1680	3	30.0	31.5	38.5	18.6	12.9	31.5	1.44
1212				24.0	5.0Y 4/1	13.3	10.0	6.4	0	1790	5	36.7	25.5	37.8	18.5	13.8	32.2	1.34
1213				25.0	5.0Y 4/1	13.5	6.8	5.1	0	1370	9	28.4	35.8	35.8	18.3	13.9	32.2	1.32
1214				26.0	5.0Y 4/1	13.6	13.0	8.3	0	1340	0	31.1	29.3	39.6	18.6	12.0	30.6	1.56
1215				27.0	5.0Y 4/1	11.6	13.2	7.9	0	920	5	36.4	33.8	29.9	18.9	13.7	32.6	1.39
1216				28.0	5.0Y 4/1	12.9	11.9	9.2	0	990	4	20.9	34.0	45.1	18.8	13.2	32.0	1.43
1217				29.0	5.0Y 4/1	14.5	7.1	5.6	0	840	5	27.5	37.8	34.7	19.4	12.6	32.0	1.55
1218				30.0	5.0Y 4/1	12.4	9.6	6.5	0	1810	8	23.0	36.6	40.4	19.3	13.5	32.7	1.43
1219				31.0	5.0Y 4/1	13.7	10.4	6.4	0	3420	7	23.4	36.4	40.2	20.1	13.7	33.8	1.47
1220				32.0	5.0Y 5/1	12.3	7.4	3.9	0	1660	5	31.0	45.3	23.7	20.5	14.4	34.9	1.43
1221				33.0	5.0Y 5/1	11.4	5.3	2.4	0	1410	7	23.1	39.7	37.3	21.6	14.7	36.4	1.47
1222				34.0	5.0Y 5/1	12.3	5.1	2.7	0	2290	0	23.5	42.0	34.5	21.4	15.1	36.4	1.42
1223				34.5	5.0Y 5/1	11.9	4.0	1.9	0	1300	3	33.0	32.1	34.9	21.5	15.7	37.2	1.37
Hole K:																		
1224	Salsberg Twp	497100	5501200	1.0	2.5Y 5/2	11.0	14.5	11.0	0	2330	2	46.4	18.2	35.4	12.3	17.6	29.9	0.70
1225				2.0	2.5Y 6/2	11.9	10.3	6.1	1	1680	1	33.5	27.8	38.7	17.6	14.8	32.4	1.19
1226				3.0	5.0Y 4/1	12.0	21.8	6.3	0	260	1	31.3	26.4	42.4	17.9	14.6	32.5	1.23
1227				4.0	5.0Y 4/1	12.2	11.3	6.8	0	1510	3	29.9	39.0	31.1	18.3	13.9	32.2	1.31
1228				5.0	5.0Y 4/1	12.4	9.9	6.9	0	1270	4	30.7	31.4	37.9	17.1	15.3	32.4	1.11
1229				6.0	5.0Y 4/1	12.9	9.9	6.6	0	1190	5	28.9	31.5	39.6	17.6	15.0	32.6	1.18
1230				7.0	5.0Y 4/1	11.6	6.9	5.1	0	1430	11	32.2	38.6	29.1	17.7	14.1	31.8	1.25
1231				8.0	5.0Y 4/1	11.9	5.2	4.2	0	2340	14	18.1	32.5	49.4	18.0	11.1	29.1	1.62
1232				9.0	5.0Y 4/1	12.3	5.4	3.9	0	3160	11	16.2	34.0	49.8	18.0	12.2	30.1	1.47
1233				10.0	5.0Y 4/1	12.1	8.4	5.5	0	1240	10	19.4	31.6	49.0	18.6	11.5	30.1	1.61
1234				11.0	5.0Y 4/1	11.8	4.8	3.4	0	2490	20	23.6	30.4	46.0	17.8	12.6	30.4	1.41
1235				12.0	5.0Y 4/1	12.8	6.0	3.8	0	1900	8	19.5	37.4	43.0	18.0	12.5	30.6	1.44
1236				13.0	5.0Y 4/1	12.4	6.6	4.7	0	2610	14	16.4	39.5	44.1	17.8	13.0	30.8	1.37
1237				14.0	5.0Y 4/1	12.4	6.8	4.6	0	1680	25	9.3	27.3	63.3	17.0	12.4	29.4	1.37
1238				15.0	5.0Y 4/1	11.2	3.0	2.9	0	4080	29	13.4	16.8	69.9	18.0	12.0	30.0	1.50
1239				16.5	5.0Y 4/1	12.7	14.5	9.9	0	3200	9	1.1	32.2	66.7	5.0	5.6	10.6	0.89
Hole L:																		
1240	Lindsley Twp	493900	5506100	0.5	2.5Y 6/2	11.4	7.9	6.0	0	1560	2	36.7	17.7	45.6	16.8	16.2	33.0	1.04
1241				1.5	2.5Y 5/2	12.2	10.3	5.6	0	870	2	36.7	33.8	29.5	17.9	15.4	33.3	1.16
1242				2.5	2.5Y 5/2	12.5	17.5	6.0	0	990	1	32.4	29.8	37.8	18.0	15.2	33.2	1.19
1243				3.5	2.5Y 5/2	12.8	8.6	7.0	0	3940	14	39.2	23.9	36.9	17.4	17.2	34.6	1.01
1244				4.5	5.0Y 5/2	12.9	9.9	6.6	0	2370	7	37.7	24.3	38.0	17.7	17.2	34.9	1.03
1245				5.5	5.0Y 5/1	11.8	8.6	6.7	0	2630	1	41.2	16.7	42.1	17.8	17.8	35.6	1.00

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
1246				6.5	5.0Y 4/1	11.9	9.0	6.9	0	3920	5	41.2	22.4	36.4	19.5	17.0	36.5	1.14
1247				7.5	5.0Y 4/1	12.6	6.3	5.2	0	2740	0	49.6	13.0	37.4	18.5	18.0	36.4	1.03
1248				8.5	5.0Y 4/1	12.1	6.3	4.6	0	1950	4	52.8	13.7	33.5	18.5	17.3	35.9	1.07
1249				9.5	5.0Y 5/1	11.7	6.8	5.7	1	1300	2	42.4	19.5	38.1	20.1	14.9	35.0	1.35
1250				10.5	5.0Y 4/1	12.6	8.3	7.3	0	4320	0	42.4	15.9	41.7	19.9	15.3	35.2	1.30
1251				11.5	5.0Y 4/1	12.9	11.2	9.1	0	4280	3	44.3	10.9	44.8	20.2	15.7	35.9	1.29
1252				12.5	5.0Y 4/1	13.0	5.5	3.7	0	2260	0	47.0	17.5	35.6	22.3	13.9	36.2	1.61
1253				13.5	5.0Y 4/1	12.6	11.1	6.6	0	510	1	47.4	13.0	39.6	20.3	15.8	36.1	1.28
1254				14.5	5.0Y 4/1	13.7	7.3	4.6	0	1630	10	47.9	17.1	34.9	20.7	15.0	35.7	1.38
1255				15.5	5.0Y 4/1	14.0	7.8	5.4	0	1470	4	52.0	16.4	31.6	21.5	15.0	36.6	1.43
1256				16.5	5.0Y 4/1	13.0	11.2	6.9	0	3190	0	43.8	18.8	37.5	19.3	15.7	35.0	1.23
1257				17.5	5.0Y 4/1	13.9	8.4	5.7	0	1030	4	43.6	21.1	35.3	17.8	16.1	34.0	1.11
1258				18.5	5.0Y 4/1	12.1	10.5	6.4	0	1670	0	24.8	34.6	40.6	18.1	12.0	30.1	1.52
1259				19.5	5.0Y 4/1	12.2	4.5	3.4	1	870	6	25.6	30.7	43.7	17.4	14.8	32.2	1.18
1260				20.5	5.0Y 4/1	11.7	4.8	3.1	0	1500	8	29.5	24.0	46.6	18.1	13.8	31.9	1.31
1261				21.5	5.0Y 4/1	12.3	8.4	5.5	0	1040	4	25.4	43.1	31.5	17.1	13.4	30.6	1.28
1262				22.5	5.0Y 4/1	11.6	10.3	5.6	0	1130	5	20.2	50.4	29.4	18.4	12.6	31.0	1.46
1263				23.5	5.0Y 4/1	13.4	9.8	6.1	0	3740	4	17.6	44.5	37.9	17.5	13.0	30.5	1.35
1264				24.5	5.0Y 4/1	12.3	9.5	5.9	0	1240	1	20.5	43.5	36.0	17.3	14.5	31.8	1.19
1265				25.5	5.0Y 4/1	12.9	9.1	6.1	0	2490	7	22.5	39.8	37.6	17.9	13.8	31.6	1.30
Hole M:																		
1266	Lindsley Twp	493720	5504600	0.5	2.5Y 5/2	12.0	7.6	5.7	0	2330	0	51.1	9.8	39.1	16.9	17.2	34.1	0.98
1267				1.5	2.5Y 5/2	11.5	8.3	5.6	0	5650	3	46.9	15.7	37.4	18.0	17.5	35.5	1.03
1268				2.5	5.0Y 4/1	11.8	8.9	5.6	0	3940	4	41.7	27.6	30.7	18.3	16.0	34.2	1.14
1269				3.5	5.0Y 4/1	12.5	7.4	5.0	0	2430	0	47.6	17.2	35.1	18.8	16.8	35.6	1.12
1270				4.5	5.0Y 4/1	12.5	7.5	5.1	0	1550	5	44.2	16.1	39.7	20.2	16.0	36.2	1.26
1271				5.5	5.0Y 4/1	12.4	6.3	4.6	0	990	4	35.1	23.9	41.1	18.6	15.9	34.5	1.17
1272				6.5	5.0Y 4/1	14.1	9.9	6.4	0	1200	2	42.7	31.8	25.4	18.8	14.1	32.9	1.33
1273				7.5	5.0Y 4/1	12.2	9.3	7.3	0	1240	7	35.2	36.8	28.1	18.2	15.2	33.5	1.20
1274				8.5	5.0Y 4/1	12.7	11.9	5.7	0	960	2	41.2	25.5	33.3	20.5	15.2	35.7	1.35
1275				9.5	5.0Y 4/1	12.6	7.2	5.4	0	1640	2	50.8	12.2	37.1	18.7	16.3	35.0	1.14
1276				10.5	5.0Y 4/1	12.9	9.2	5.7	0	950	1	49.7	17.8	32.4	19.0	16.0	35.0	1.19
1277				11.5	5.0Y 4/1	12.5	4.4	3.4	0	2000	8	45.4	18.0	36.6	16.5	17.0	33.6	0.97
1278				12.5	5.0Y 4/1	12.3	6.0	4.8	0	3270	0	35.0	27.3	37.7	17.6	16.5	34.1	1.07
1279				13.5	5.0Y 4/1	12.0	8.7	6.6	0	2050	4	33.9	23.0	43.1	16.5	16.4	32.9	1.01
1280				14.5	5.0Y 4/1	12.3	6.2	4.2	0	5980	0	28.8	32.8	38.3	18.5	13.7	32.2	1.35
1281				15.5	5.0Y 4/1	12.8	5.5	4.3	0	2080	8	32.8	26.5	40.7	19.5	13.3	32.8	1.46
1282				16.5	5.0Y 4/1	12.4	6.5	4.0	0	1620	5	35.4	29.4	35.2	18.8	14.1	32.9	1.34
1283				17.5	5.0Y 4/1	11.8	7.9	4.9	0	150	5	31.2	31.0	37.9	16.8	14.5	31.3	1.15
1284				18.5	5.0Y 4/1	12.6	13.7	7.0	0	1270	3	29.3	35.8	34.9	17.8	13.3	31.1	1.34
1285				19.5	5.0Y 4/1	11.9	8.6	6.0	0	1400	0	29.4	34.6	36.0	17.5	13.9	31.4	1.26
1286				20.5	5.0Y 4/1	12.5	5.6	3.9	0	1190	2	30.7	30.9	38.3	17.7	14.8	32.5	1.20
1287				23.0	5.0Y 4/1	12.9	9.6	7.9	0	1830	10	29.3	37.0	33.7	17.2	15.5	32.7	1.11
1288				26.0	5.0Y 4/1	13.3	6.4	5.2	0	1360	4	22.8	35.5	41.6	17.5	14.2	31.7	1.23
Hole N:																		
1289	Lindsley Twp	493250	5504700	0.5	2.5Y 6/4	12.1	7.6	5.9	0	3050	8	45.8	20.5	33.7	13.9	18.0	31.9	0.77
1290				1.5	2.5Y 6/2	11.7	6.6	5.1	0	2650	11	47.2	16.9	35.9	18.2	16.7	34.9	1.09
1291				2.5	2.5Y 5/2	11.1	7.8	6.2	0	2040	7	46.8	25.5	27.7	17.5	15.6	33.1	1.12
1292				3.5	2.5Y 5/2	10.0	6.4	5.0	0	2780	7	43.5	24.0	32.4	18.8	15.7	34.5	1.20
1293				4.5	5.0Y 4/1	11.9	7.2	4.9	1	1650	7	41.7	25.5	32.8	17.6	16.5	34.1	1.07
1294				5.5	5.0Y 4/1	11.7	6.5	4.9	0	2580	5	54.0	12.6	33.4	19.7	15.7	35.3	1.26

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
1295				6.5	5.0Y 4/1	12.7	7.3	5.5	0	2250	6	41.7	11.9	46.3	21.6	14.7	36.4	1.47
1296				7.5	5.0Y 4/1	12.4	7.5	6.5	0	1540	3	48.1	11.5	40.5	21.6	14.3	35.9	1.51
1297				8.5	5.0Y 4/1	11.4	6.3	5.5	0	2740	5	46.6	11.2	42.2	19.3	15.3	34.5	1.26
1298				9.5	5.0Y 4/1	13.6	7.4	7.6	0	2290	8	35.6	18.5	45.9	17.2	14.1	31.3	1.22
1299				10.5	5.0Y 4/1	11.5	4.0	4.6	1	3020	9	33.2	23.0	43.8	13.7	14.8	28.5	0.93
1300				11.5	5.0Y 4/1	12.8	9.0	8.0	0	2030	7	37.6	26.0	36.4	15.5	14.1	29.6	1.10
1301				12.5	5.0Y 4/1	9.5	4.3	8.2	0	2600	10	4.3	1.0	94.8	2.2	2.2	4.3	1.01
1302				13.5	5.0Y 4/1	8.9	2.6	2.0	0	6440	26	0.0	0.0	100.0	4.7	6.6	11.3	0.72
Hole O:																		
8068	Lindsley Twp	489900	5506350	1.0	2.5Y 6/2	11.2	11.5	6.1	0	3030	2	40.9	24.4	34.7	10.4	17.6	28.0	0.59
8069				2.0	2.5Y 5/2	11.0	9.9	7.4	3	1780	5	33.8	34.1	32.1	15.0	15.2	30.2	0.99
8070				3.3	2.5Y 5/2	11.9	10.6	7.0	0	1110	2	34.3	32.5	33.2	15.8	17.2	33.0	0.92
8071				4.5	5.0Y 5/1	11.0	10.5	7.5	1	2240	2	26.8	46.5	26.7	12.0	14.2	26.2	0.85
8072				5.5	5.0Y 4/1	11.9	12.5	8.4	2	1430	2	24.5	43.9	31.6	15.0	15.8	30.8	0.95
8073				6.5	5.0Y 5/1	12.0	6.7	4.7	0	1820	2	32.9	32.0	35.1	15.8	17.2	33.0	0.92
8074				7.5	5.0Y 5/1	11.9	11.6	7.2	1	2010	0	23.5	36.5	40.0	15.0	14.8	29.8	1.01
8075				8.5	5.0Y 5/1	10.5	13.2	7.5	0	890	3	23.7	46.7	29.6	16.0	13.0	29.0	1.23
8076				10.0	5.0Y 5/1	12.6	12.2	5.5	0	1910	0	35.8	25.4	38.8	15.8	16.2	32.0	0.98
8077				11.5	5.0Y 5/1	11.8	9.8	5.9	0	3580	2	31.2	35.5	33.3	15.4	16.2	31.6	0.95
8078				12.5	5.0Y 5/1	11.5	11.8	6.9	0	950	4	26.6	31.8	41.7	15.4	14.8	30.2	1.04
8079				13.4	5.0Y 4/1	9.8	21.7	5.0	0	200	1	21.0	35.2	43.8	14.4	17.2	31.6	0.84
8080				14.1	5.0Y 6/1	9.1	9.4	4.3	0	920	2	31.8	25.6	42.7	17.6	18.6	36.2	0.95
8081				15.0	5.0Y 4/1	10.3	14.1	6.4	0	1230	2	21.8	24.3	53.9	16.4	14.0	30.4	1.17
8082				16.0	5.0Y 4/1	11.0	7.8	3.8	0	1490	3	35.1	27.8	37.2	15.8	17.2	33.0	0.92
8083				17.0	5.0Y 4/1	11.1	11.4	6.1	0	1530	2	21.2	39.9	38.9	16.4	13.0	29.4	1.26
8084				18.0	5.0Y 4/1	11.8	14.4	7.1	0	1640	7	26.4	41.4	32.2	16.4	11.6	28.0	1.41
8085				19.0	5.0Y 4/1	11.6	12.4	6.8	0	690	2	24.5	39.3	36.3	15.0	15.6	30.6	0.96
8086				20.0	5.0Y 4/1	11.7	11.5	6.5	0	1540	9	28.3	39.8	31.8	14.0	15.0	29.0	0.93
8087				21.0	5.0Y 4/1	11.5	11.0	7.0	0	1550	1	31.2	41.1	27.7	15.2	13.8	29.0	1.10
8088				22.0	5.0Y 4/1	11.5	11.6	6.5	0	1530	3	29.5	37.7	32.9	16.0	17.0	33.0	0.94
8089				23.0	5.0Y 4/1	11.3	10.3	6.3	1	1640	5	25.6	36.7	37.7	15.0	16.0	31.0	0.94
8090				24.0	5.0Y 4/1	11.9	11.3	7.2	0	1540	5	27.1	41.4	31.5	16.0	16.6	32.6	0.96
8091				25.0	5.0Y 4/1	11.9	9.4	5.9	0	1840	4	29.0	41.5	29.5	15.6	12.0	27.6	1.30
8092				26.0	5.0Y 4/1	11.9	11.3	6.8	0	1000	4	30.8	37.6	31.6	14.8	15.2	30.0	0.97
8093				27.0	5.0Y 4/1	12.8	13.6	7.8	0	1740	0	27.8	34.8	37.3	15.6	12.8	28.4	1.22
8094				28.0	5.0Y 4/1	12.3	12.6	7.1	0	2800	1	36.0	27.9	36.1	16.0	17.0	33.0	0.94
8095				29.0	5.0Y 4/1	12.0	14.0	6.8	0	3360	0	32.6	28.6	38.7	14.8	15.6	30.4	0.95
8096				30.0	5.0Y 4/1	12.9	14.6	7.3	0	1170	3	32.8	35.5	31.7	15.2	11.4	26.6	1.33
8097				32.5	5.0Y 5/1	12.0	15.9	8.1	0	2160	1	29.1	24.4	46.5	17.8	18.4	36.2	0.97
8098				34.4	5.0Y 5/1	11.0	10.3	9.1	0	2250	1	14.3	20.5	65.2	13.4	18.4	31.8	0.73
8099				35.5	5.0Y 4/1	13.5	16.2	10.3	0	140	4	5.9	43.6	50.5	5.4	4.0	9.4	1.35
8100				36.5	5.0Y 4/1	13.5	6.5	5.0	0	90	0	3.5	27.8	68.8	5.4	3.8	9.2	1.42
8101				37.5	5.0Y 4/1	13.7	13.0	7.9	0	180	3	3.2	25.5	71.3	6.0	4.8	10.8	1.25
8102				40.5	5.0Y 5/1	11.5	14.2	5.7	1	1210	1	8.0	22.7	69.3	13.4	15.4	28.8	0.87
8103				41.7	5.0Y 6/1	12.3	10.6	2.4	0	1100	1	7.2	12.4	80.4	14.8	16.8	31.6	0.88
Hole P:																		
8104	Lindsley Twp	489675	5506225	1.0	2.5Y 6/2	11.3	13.0	8.1	0	900	1	40.9	27.3	31.8	8.0	17.0	25.0	0.47
8105				2.0	2.5Y 5/2	12.1	10.4	6.8	0	1130	5	30.9	34.7	34.4	15.0	14.0	29.0	1.07
8106				3.0	2.5Y 5/2	11.5	10.7	6.8	0	1090	2	34.1	30.2	35.7	14.4	16.4	30.8	0.88
8107				4.0	2.5Y 5/2	11.9	8.8	6.4	0	2610	5	34.3	31.3	34.4	12.6	13.2	25.8	0.95
8108				5.0	5.0Y 5/1	12.4	14.6	8.1	0	1600	2	31.2	35.6	33.2	16.4	15.4	31.8	1.06

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
8109				6.0	5.0Y 4/1	10.6	11.1	6.3	1	1040	3	37.0	24.9	38.1	15.4	17.6	33.0	0.88
8110				7.0	5.0Y 4/1	12.5	8.9	6.0	1	2660	7	31.0	34.6	34.4	14.4	18.4	32.8	0.78
8111				8.0	5.0Y 4/1	11.7	9.9	6.0	0	1800	4	29.7	38.7	31.5	16.0	16.6	32.6	0.96
8112				9.0	5.0Y 4/1	11.1	10.0	6.1	0	3450	1	25.6	40.9	33.5	15.4	17.4	32.8	0.89
8113				10.0	5.0Y 4/1	10.7	7.7	4.5	0	1520	5	33.4	27.9	38.6	15.0	18.0	33.0	0.83
8114				11.0	5.0Y 4/1	11.7	8.8	5.1	0	3960	1	39.6	29.7	30.7	15.4	16.8	32.2	0.92
8115				12.0	5.0Y 4/1	11.3	8.4	5.4	0	4160	1	32.3	32.2	35.5	15.4	18.0	33.4	0.86
8116				13.0	5.0Y 4/1	11.9	9.6	6.0	0	4820	1	30.1	31.7	38.2	13.6	17.0	30.6	0.80
8117				14.0	5.0Y 4/1	11.6	14.4	7.9	0	1210	1	26.9	41.3	31.8	14.6	16.0	30.6	0.91
8118				15.0	5.0Y 4/1	11.3	10.1	5.9	0	1120	0	28.0	36.2	35.8	13.6	15.2	28.8	0.89
8119				16.0	5.0Y 4/1	11.4	10.9	6.1	0	2070	3	29.3	31.0	39.7	15.2	14.0	29.2	1.09
8120				17.0	5.0Y 4/1	10.8	11.2	5.9	0	1530	2	29.6	34.3	36.0	15.6	13.2	28.8	1.18
8121				18.0	5.0Y 4/1	11.4	11.3	6.2	0	1530	6	21.4	44.4	34.2	14.8	15.6	30.4	0.95
8122				19.0	5.0Y 4/1	12.8	12.6	7.2	0	1370	3	26.9	42.0	31.1	16.0	16.0	32.0	1.00
8123				20.0	5.0Y 4/1	11.3	9.8	6.3	0	1170	6	25.7	44.6	29.8	16.6	13.8	30.4	1.20
8124				21.0	5.0Y 4/1	12.5	12.1	6.6	0	1430	5	27.4	44.3	28.2	12.6	16.0	28.6	0.79
8125				22.0	5.0Y 4/1	12.1	12.6	7.0	0	2800	1	27.4	38.3	34.3	14.8	15.6	30.4	0.95
8126				23.0	5.0Y 4/1	13.4	11.5	7.6	0	750	1	29.5	38.3	32.2	16.0	13.2	29.2	1.21
8127				24.0	5.0Y 4/1	12.0	10.1	7.0	0	1670	2	26.3	44.0	29.7	14.4	16.0	30.4	0.90
8128				25.0	5.0Y 4/1	12.9	11.3	7.7	0	620	2	29.0	42.4	28.6	15.0	14.6	29.6	1.03
8129				26.1	5.0Y 4/1	11.9	11.8	6.8	0	890	5	34.8	35.0	30.2	16.0	13.2	29.2	1.21
8130				27.3	5.0Y 4/1	12.9	12.0	7.3	0	1480	2	29.9	36.6	33.5	14.6	14.6	29.2	1.00
8131				28.4	5.0Y 4/1	11.6	9.1	5.7	0	2630	1	35.8	28.6	35.6	15.6	15.6	31.2	1.00
Hole Q:																		
8132	Lindsley Twp	489750	5506300	25.5	5.0Y 4/1	12.2	12.8	7.0	0	2780	1	43.9	27.9	28.2	17.4	13.8	31.2	1.26
8133				26.5	5.0Y 4/1	11.2	9.6	5.1	0	3670	7	37.7	29.6	32.8	14.4	17.8	32.2	0.81
8134				27.5	5.0Y 4/1	12.1	9.9	6.6	0	3640	1	36.9	29.9	33.2	15.0	17.0	32.0	0.88
8135				28.5	5.0Y 4/1	11.2	15.1	10.6	0	2310	2	30.7	23.5	45.9	15.6	13.6	29.2	1.15
8136				29.4	5.0Y 4/1	8.9	8.3	5.3	0	2170	3	39.3	27.6	33.1	14.0	16.0	30.0	0.88
8137				31.0	5.0Y 5/1	6.7	4.9	3.8	0	1450	5	43.4	11.2	45.4	12.0	20.2	32.2	0.59
Hole R:																		
8138	Lindsley Twp	489850	5506350	25.5	5.0Y 4/1	10.9	9.3	7.7	0	1880	8	25.5	45.2	29.3	15.6	13.2	28.8	1.18
8139				26.5	5.0Y 4/1	11.2	9.4	5.9	0	5170	3	31.8	37.3	30.9	14.0	16.6	30.6	0.84
8140				27.5	5.0Y 4/1	11.0	9.1	5.7	0	2640	7	31.5	36.6	31.9	15.0	15.6	30.6	0.96
8141				28.5	5.0Y 4/1	12.0	9.2	5.4	0	2600	0	34.6	31.3	34.0	15.8	14.2	30.0	1.11
8142				29.5	5.0Y 4/1	10.2	10.7	5.6	0	1100	0	31.7	38.2	30.1	14.6	17.4	32.0	0.84
8143				30.5	5.0Y 4/1	11.6	10.9	6.3	0	3310	0	33.9	35.3	30.8	14.0	17.0	31.0	0.82
8144				31.5	5.0Y 4/1	10.8	10.5	6.1	0	1740	2	33.9	35.3	30.8	16.0	15.6	31.6	1.03
8145				33.6	5.0Y 5/1	9.9	7.2	4.5	0	2410	3	38.7	30.6	30.7	18.8	22.0	40.8	0.85
8146				35.8	5.0Y 5/1	11.7	10.0	6.5	0	3530	2	25.5	39.8	34.7	17.2	17.0	34.2	1.01
8147				38.0	5.0Y 5/1	12.1	10.3	5.0	0	3540	0	18.9	30.4	50.6	17.4	15.4	32.8	1.13
8148				39.5	5.0Y 5/1	11.0	7.8	4.7	0	2450	2	11.5	48.2	40.2	12.0	11.8	23.8	1.02
8149				42.0	5.0Y 5/1	10.3	14.5	7.2	0	810	2	9.2	36.9	53.9	11.2	9.8	21.0	1.14
8150				43.0	5.0Y 5/1	11.3	16.0	14.6	0	1470	1	5.5	38.1	56.4	13.2	10.4	23.6	1.27
8151				44.5	5.0Y 5/1	13.2	12.4	7.5	0	1420	4	2.5	25.7	71.7	10.8	12.6	23.4	0.86
Hole S:																		
8152	Coltham Twp	514300	5500450	2.0	2.5Y 6/2	12.4	9.9	6.6	0	1800	1	45.2	24.4	30.4	27.6	7.6	35.2	3.63
8153				3.0	2.5Y 6/2	11.8	6.8	5.2	0	1360	5	46.0	30.6	23.3	16.4	17.0	33.4	0.96
8154				4.0	2.5Y 6/2	8.5	6.1	4.2	0	3010	12	58.3	16.9	24.8	16.4	19.6	36.0	0.84
8155				5.0	5.0Y 5/1	12.5	7.6	4.9	1	9460	2	48.9	16.2	35.0	19.6	16.4	36.0	1.20

#	Location	Easting	Northing	Depth	Munsell	Weight	Nonmag	Mag	Gold	Yellow	Blue	Carb	Gran	M&M	Calcite	Dolomite	Total	CD
		m	m	m	Colour	kg	g	g	Grains	/10g	/10g	%	%	%	%	%	%	Ratio
8156				6.0	5.0Y 5/1	11.2	9.3	5.2	0	1900	3	52.3	18.7	29.0	21.6	12.2	33.8	1.77
8157				7.0	5.0Y 5/1	12.3	10.3	6.5	0	3520	2	54.6	17.4	28.0	16.4	20.8	37.2	0.79
8158				8.0	5.0Y 5/1	12.5	9.0	6.0	0	5390	7	44.2	21.3	34.5	14.8	20.4	35.2	0.73
8159				9.0	5.0Y 6/1	12.0	9.5	5.5	0	1940	0	53.0	16.7	30.4	15.0	17.6	32.6	0.85
Hole T:																		
8160	Eva Twp	423300	5501400	58.1	5.0Y 4/1	4.6	29.2	7.1	0	80	2	5.8	15.5	78.8	9.4	8.0	17.4	1.18
Esmer samples																		
900	Beardmore	457550	5487150	2.0		11.1	12.9	8.5	0	300	30	18.6	19.1	62.3				
901	Beardmore	462750	5489600	2.0		10.0	15.0	11.2	0	250	12	20.0	28.7	51.3				
902	Wildgoose Lake	465550	5497650	2.0		13.8	12.4	11.2	0	1260	20	41.0	21.0	38.0				
903	Wildgoose Lake	469000	5503800	2.0		11.5	16.2	16.4	1	220	5	31.7	24.7	43.6				
904	Beardmore	448150	5506050	2.0		10.0	14.3	13.3	0	260	8	18.5	17.1	64.3				
905	Beardmore	432850	5486000	2.0		10.7	70.0	41.3	0	230	4	13.8	18.7	67.5				
906	Beardmore	429100	5510200	2.0		13.9	20.2	16.4	0	0	1	3.0	16.8	80.2				
907	Beardmore	431900	5508250	2.0		10.0	13.1	9.5	0	300	6	5.2	14.0	80.8				
908	Northwind Lake	430950	5513550	2.0		12.5	14.8	13.4	0	240	45	1.1	24.2	74.7				
909	Northwind Lake	441300	5520000	2.0		12.0	8.2	7.6	0	40	0	26.7	19.2	54.1				
910	Geraldton	533255	5494050	2.0		10.4	36.6	31.2	3	620	10	49.3	18.7	31.9				
911	Longlac	521300	5520900	2.0		12.2	30.5	25.1	0	470	3	50.9	18.9	30.3				
912	Longlac	513900	5525650	2.0		10.4	11.0	11.6	0	100	2	18.6	48.4	33.1				
913	Hanover Lake	490400	5585050	2.0		13.6	24.0	14.2	0	570	5	20.7	39.9	39.4				
914	Kowkash	498200	5564300	2.0		11.6	4.7	3.7	0	80	7	25.9	23.6	50.5				
915	Nakina	515200	5557600	2.0		10.0	7.2	5.0	0	980	8	34.3	28.9	36.7				
916	Nakina	519850	5561850	2.0		10.9	3.4	2.3	0	680	3	30.6	27.4	42.0				
917	Nakina	529100	5556050	2.0		11.7	11.2	8.2	0	630	4	40.1	15.7	44.2				
918	Grant Lake	537450	5561850	2.0		11.0	6.7	4.9	0	630	5	41.1	15.1	43.8				
919	Wababimiga Lake	537050	5574250	2.0		11.1	0.8	0.6	0	140	92	42.2	25.0	32.8				
920	Wababimiga Lake	542900	5579750	2.0		11.6	2.5	1.2	0	450	18	38.0	13.1	48.9				
921	Nakina	533000	5542700	2.0		13.8	5.8	3.9	0	1150	6	47.0	14.0	39.0				
922	Castlebar Lake	536000	5536650	2.0		11.9	19.0	13.7	0	910	4	59.8	16.1	24.1				
923	Nakina	515800	5539450	2.0		11.6	25.1	24.0	2	930	3	41.2	16.1	42.6				
924	Longlac	510400	5536300	2.0		10.7	10.4	5.5	0	110	1	40.2	14.2	45.7				
925	Longlac	500200	5526450	2.0		12.0	2.5	2.2	0	110	10	38.1	16.5	45.4				
926	Kowkash	488100	5540000	2.0		11.2	6.7	4.9	0	1080	9	41.6	15.1	43.3				
927	Longlac	500900	5516700	2.0		10.0	9.2	8.0	0	260	12	33.7	23.4	42.9				
928	Geraldton	507100	5504200	2.0		11.3	10.8	6.7	0	540	26	38.5	15.8	45.7				
929	Geraldton	501900	5502650	2.0		10.0	27.2	16.9	0	870	5	30.5	16.3	53.3				
930	Wildgoose Lake	493150	5497600	2.0		10.5	4.8	2.8	0	500	42	40.7	13.7	45.6				
931	Wildgoose Lake	492500	5489450	2.0		10.4	4.6	3.4	0	130	15	44.4	15.8	39.8				
932	Wildgoose Lake	486450	5504900	2.0		10.5	3.2	2.1	0	80	11	34.8	15.2	50.0				
933	Wildgoose Lake	469650	5505600	2.0		10.6	3.6	2.7	0	110	0	33.3	32.3	34.5				
934	Wildgoose Lake	467550	5514500	2.0		10.0	6.7	3.3	0	170	9	25.4	33.3	41.3				
935	Wildgoose Lake	453300	5516750	2.0		10.2	3.9	2.3	0	160	9	31.2	32.7	36.1				

Appendix 3

Lithology of the Granule Fraction

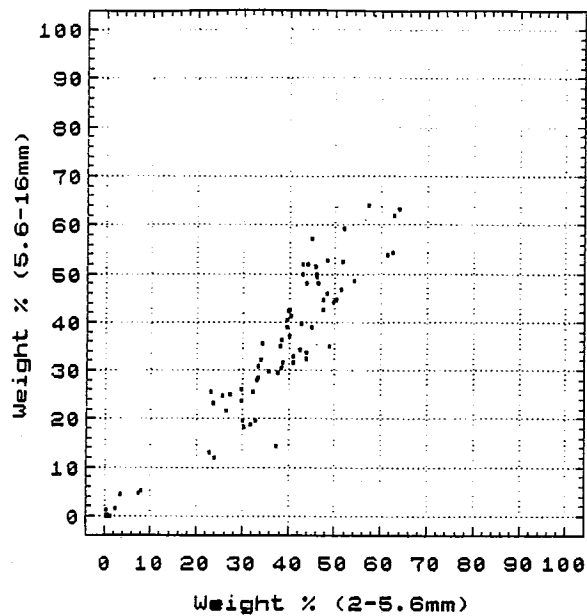
Lithology of the granule fraction (2.0-5.6mm):

		2 - 5.6mm fraction			5.6 - 16mm fraction			<0.063mm fraction		
	Depth	% Paleoz Carb	% Gran- itic	% Metased &Metavolc	% Paleoz Carb	% Gran- itic	% Metased &Metavolc	Calcite	Dolomite	Total
14	1.0	38.4	39.3	22.3	30.5	43.4	26.1	7.4	19.0	26.4
17	1.0	42.9	32.4	24.7	52.1	19.5	28.5	13.5	20.1	33.6
19	1.0	43.6	19.7	36.7	48.1	15.5	36.4	17.8	17.6	35.4
21	1.0	54.0	18.9	27.2	48.5	18.2	33.3	16.2	17.0	33.2
23	1.0	45.9	23.1	31.0	49.4	15.6	35.0	17.9	15.7	33.6
25	1.0	47.3	22.7	29.9	44.6	21.3	34.2	22.1	15.9	38.0
27	1.5	44.7	26.2	29.1	39.0	31.2	29.7	16.7	18.5	35.2
29	1.3	44.0	23.2	32.8	51.9	13.5	34.6	17.0	19.4	36.4
109	5.0	61.3	10.0	28.7	53.7	11.6	34.7	24.1	18.2	42.3
111	2.3	57.2	10.7	32.1	64.1	0.8	35.1	11.9	21.4	33.3
112	4.4	63.8	7.6	28.6	63.1	1.3	35.5	19.9	23.3	43.2
113	2.5	62.7	12.8	24.5	61.9	8.3	29.8	17.0	26.4	43.4
114	2.0	62.4	6.8	30.8	54.2	5.1	40.7	21.2	20.2	41.4
115	1.5	40.1	15.6	44.3	42.6	21.6	35.9	22.1	14.5	36.6
119	1.2	39.8	22.2	37.9	42.3	19.0	38.7	19.5	15.8	35.3
126	1.0	38.2	21.9	40.0	34.9	20.9	44.1	17.1	16.5	33.6
127	1.0	39.6	30.3	30.1	38.9	18.5	42.6	10.1	18.9	29.0
130	1.1	45.8	21.1	33.2	51.4	12.9	35.7	20.9	15.7	36.6
137	1.0	44.9	17.8	37.3	57.2	12.7	30.1	14.2	20.6	34.8
419	0.8	51.7	13.7	34.6	59.2	10.6	30.1	12.8	20.2	33.0
437	0.8	45.9	24.1	30.0	50.0	14.6	35.4	12.4	20.1	32.5
604	0.3	8.1	31.2	60.7	5.1	32.0	62.9	0.4	1.1	1.5
605	0.3	3.5	19.5	77.0	4.5	20.5	75.0	0.2	1.3	1.5
618	0.5	7.4	14.0	78.5	4.8	15.8	79.4	1.1	11.7	12.8
621	1.0	22.7	8.7	68.6	13.0	24.1	62.9	8.0	11.0	19.0
8003	1.0	1.2	4.3	94.6	0.1	1.9	97.9	0.0	1.2	1.2
8006	0.5	2.3	14.4	83.3	1.6	13.3	85.2	0.0	1.0	1.0
8009	1.0	0.4	8.0	91.6	1.2	7.7	91.1	0.0	2.0	2.0

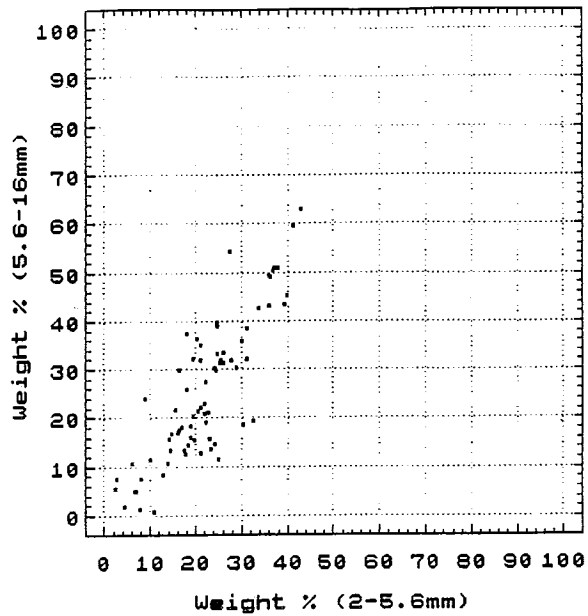
Lithology of the granule fraction (2.0-5.6mm):

Depth	2 - 5.6mm fraction			5.6 - 16mm fraction			<0.063mm fraction		
	% Paleoz Carb	% Gran-itic	% Metased & Metavolc	% Paleoz Carb	% Gran-itic	% Metased & Metavolc	Calcite	Dolomite	Total
Hole D:									
1016	1.0	51.4	18.0	30.6	46.7	37.46	15.9	16.0	38.2
1017	2.0	49.7	14.6	35.7	44.1	16.84	39.1	15.2	38.0
1018	3.0	48.3	18.8	32.9	45.9	16.03	38.1	17.2	37.5
1019	4.0	51.6	17.4	31.1	52.6	13.29	34.1	17.7	38.2
1020	5.0	47.4	16.2	36.3	42.5	17.52	40.0	17.0	37.3
1021	6.3	50.2	16.1	33.8	44.7	17.05	38.3	17.1	39.7
1022	7.5	48.7	16.4	35.0	35.1	29.87	35.1	15.2	38.0
1023	8.5	48.3	18.3	33.4	52.7	14.29	33.0	14.6	37.6
1024	9.5	43.7	17.9	38.4	32.4	25.99	41.6	15.1	38.4
1025	10.8	23.8	43.0	33.2	12.1	62.94	25.0	13.9	30.0
1026	12.0	29.9	37.9	32.2	19.7	51.02	29.3	15.2	30.4
1027	13.0	31.6	36.2	32.2	18.7	49.16	32.1	15.9	30.8
1028	14.0	29.7	36.9	33.4	23.9	50.98	25.2	14.1	31.2
1029	15.0	27.3	36.7	36.1	25.2	50.39	24.4	16.3	32.0
1030	16.0	30.3	41.3	28.5	18.4	59.64	22.0	14.4	31.0
1031	17.0	33.4	33.6	33.0	28.4	42.56	29.1	15.8	31.8
1032	18.0	33.5	39.9	26.6	30.9	45.12	24.0	14.2	29.0
1033	19.0	37.6	31.2	31.2	29.6	38.46	32.0	16.7	33.5
1034	20.0	40.5	29.0	30.5	41.2	30.30	28.5	16.9	35.0
1035	21.0	42.5	25.6	32.0	39.7	31.92	28.4	16.5	33.0
1036	22.0	38.5	30.1	31.4	36.4	35.75	27.8	14.8	32.4
1037	23.0	42.4	24.8	32.8	34.3	39.73	25.9	16.5	33.0
1038	24.0	40.9	35.8	23.3	32.9	43.15	23.9	15.3	32.0
1039	25.0	35.5	26.2	38.3	29.8	33.39	36.8	17.6	34.7
1040	26.0	33.0	24.8	42.2	27.9	33.22	38.9	16.3	31.8
1041	27.0	33.8	25.4	40.8	32.0	31.33	36.7	15.3	32.5
1042	28.0	25.5	22.1	52.4	24.7	22.99	52.3	14.2	30.5
1043	29.0	26.3	27.7	46.0	21.6	31.94	46.4	14.7	34.6
1044	30.0	32.2	20.5	47.3	25.5	21.47	53.0	16.3	29.8
1045	31.0	23.1	22.1	54.8	25.5	27.55	46.9	16.5	29.4
1046	32.0	29.8	21.1	49.1	26.1	31.86	42.0	17.3	33.6
1047	35.5	23.6	21.0	55.4	23.3	34.95	41.7	15.8	31.3
1048	39.0	40.9	16.8	42.3	31.5	18.12	50.4	15.3	36.1
1049	43.5	32.9	36.0	31.1	19.6	49.48	30.9	15.9	34.6
1050	45.0	43.7	20.3	36.0	33.8	36.38	29.8	16.1	36.7
1051	46.0	40.0	24.3	35.7	37.0	30.18	32.8	19.1	40.7
1052	47.0	39.6	24.5	35.9	40.4	29.79	29.8	17.2	39.6
1053	48.0	42.8	25.0	32.2	50.0	11.54	38.5	19.2	43.9
1054	49.0	46.2	21.1	32.8	48.1	22.22	29.6	18.5	43.6
1055	50.0	37.4	27.4	35.2	14.3	54.29	31.4	19.0	44.3
1056	51.0	38.6	24.8	36.6	31.5	38.89	29.6	18.5	43.6
1057	52.0	34.3	19.4	46.3	35.5	32.26	32.3	16.5	43.3
1058	53.5	1.4	6.7	91.9	0.0	4.89	95.1	7.7	17.5
1059	55.0	0.6	6.0	93.4	0.2	10.73	89.1	9.3	16.1
1060	56.0	0.3	2.6	97.1	0.2	7.68	92.1	7.5	12.2
1061	59.5	0.4	2.4	97.2	0.0	5.62	94.4	8.5	15.8

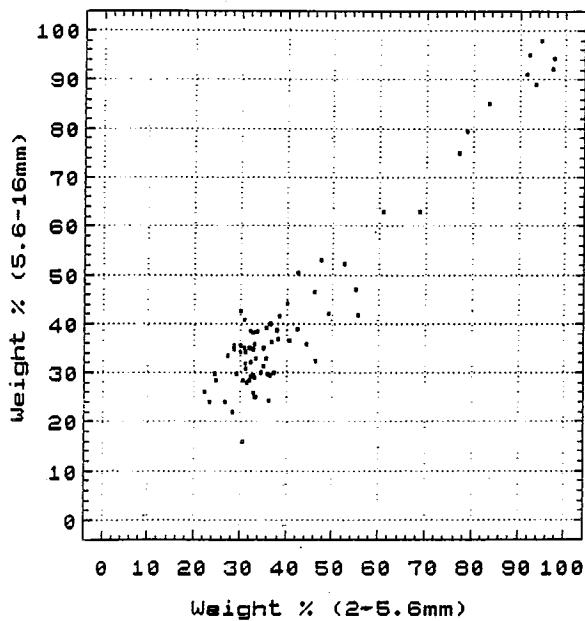
Paleozoic Carbonate
n = 74



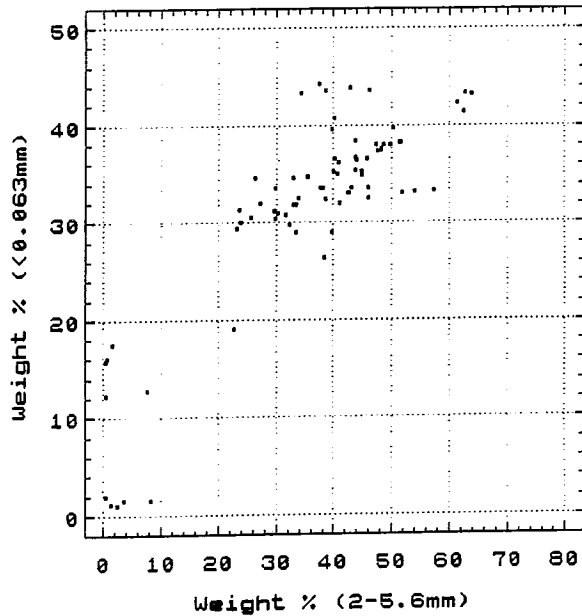
Granitic Rocks
n = 74



Metasedimentary & Metavolcanic Rocks
n = 74



Carbonate
n = 74



Appendix 4

**Description of Bedrock
from
Overburden Drill Holes**

Description of bedrock core (8 cm diameter, 1-2 m length) .

Hole A: Greywacke, brownish black, coarse grained, massive to weakly foliated, very minor quartz/carbonate veins up to 0.5 cm thick, very minor fracture coating sulphide (pyrite).

Hole B: Greywacke, dark greenish grey, moderately foliated, quartz veins with minor carbonate up to 1 cm thick, rusty staining on fractures, very minor sulphide (pyrite) along veins and fractures, occasional disseminated sulphide grains.

Hole C: Greywacke, greenish black, moderately foliated, abundant quartz/carbonate veins 0.1 to 1.0 cm thick, rare sulphide (pyrite) as fracture coatings and isolated grains, chlorite alteration along several veins.

Hole D: Greywacke, greenish grey, well foliated, sericitized, disseminated sulphide (pyrite, arsenopyrite?), sulphide on carbonate vein surfaces.

Hole E: Quartz sericite schist, sheared felsic intrusion?, light greenish grey, extremely well foliated, chloritic laminae, quartz chlorite veins, some crosscutting and deformed, disseminated fine grained pyrite throughout.

Hole F: Greywacke, black, weakly foliated, carbonate/quartz veins up to 1 cm, with sharp zig-zags, very rare fine pyrite in quartz vein.

Hole G: Greywacke, black, moderately foliated, deformed quartz/carbonate veins with minor sulphide, abundant sulphide (pyrite, pyrrhotite, chalcopyrite) on cross-cutting fracture surface.

Hole H: Greywacke, greenish grey with 1-5 cm lighter coloured irregular zones, moderately foliated, sericite alteration along quartz/carbonate veins, very minor sulphide (pyrite, arsenopyrite) along fractures crosscutting foliation.

Hole I: Greywacke, dark grey, laminated, strongly foliated, extensively deformed, offset laminae, variably chloritic, abundant stringers of quartz/carbonate with abundant sulphide (pyrite) parallel to foliation, fractures with sulphide at high angle to foliation.

Hole J: Greywacke, greenish black, chloritic, foliated, with fine crenulation, two orientations of quartz/carbonate veins with fine-grained pyrite.

Hole K: Greywacke, black, weakly foliated, bedded, minor quartz/carbonate veining, rare fracture-confined pyrite.

- Hole L: Greywacke, greenish black, well foliated, fine crenulation, narrow chloritic zones, sericite zones, 2 cm thick quartz/carbonate vein, irregularly distributed carbonate veinlets, disseminated fine-grained pyrite lacking association with veins, 1-3 mm bands of abundant 0.5-1.0 mm pyrite cubes associated with chlorite.
- Hole M: Deformed pebble conglomerate, dark greenish grey, variably foliated, a few clearly defined 1-10 cm clasts including rounded granitic and fine-grained felsic volcanic?, fine-grained matrix, possible vein quartz, sericite patches (stretched fragments?), variable pyrite unevenly distributed.
- Hole N: Feldspar porphyritic intrusive, greyish green with white phenocrysts, moderately to well foliated, minor carbonate and quartz veining up to 0.5 cm, disseminated pyrite up to 8 mm.
- Hole O: Greywacke, dark grey, moderately to strongly foliated, numerous quartz/carbonate veins with patches of sulphide.
- Hole P: Greywacke (fine grained mafic intrusive?), dark grey, slightly chloritic, massive, isolated sulphide grains.
- Hole Q: Diabase, medium grained, plagioclase laths 2-4mm long randomly oriented, one epidote bearing fracture 2-4mm thick, isolated and discontinuous carbonate veinlets .
- Hole R: Greywacke, dark greenish grey, well foliated, probable primary bedding parallel to core, chloritic beds, abundant quartz/carbonate veining parallel to and crossing foliation, sulphide irregularly distributed with rich pods up to 2cm, disseminated sulphide associated with quartz/carbonate veins.
- Hole S: Greywacke, dark greenish grey, chloritic, moderately foliated, occasional quartz/carbonate veins up to 5mm, sulphide disseminated in discontinuous 5mm band parallel to foliation, chloritic seams associated with quartz/carbonate veins crosscutting foliation.
- Hole T: Pebble conglomerate, moderately rounded to angular, very light greenish grey, abundant light grey to beige clasts, rare darker clasts, moderately deformed, faint foliation, minor disseminated sulphide in matrix, one chlorite? seam 2-3mm thick nearly parallel to core.

Appendix 5

**Mineralogy of
Heavy Mineral Concentrates**

LIST OF MINERAL CODES

DI CLINOPYROXENE	diopside	
HY ORTHOPYROXENE	hyperst.	
BZ	bronzite	
Gr GARNET	rounded	
Ga	fractured	
Ge	euohedral	
Er EPIDOTE	rounded	
Ep	fractured	
He HEMATITE	irregular	
Hr	rounded	
Hi	botryoidal	
Ht	earthy	
Go GOETHITE	red (irregular shaped grains)	
Gy	yellow (irregular shaped grains)	
Gr	botryoidal (...regardless of colour...)	
Gp	after pyrite (used if complete replacement of a euohedral pyrite)	
Py PYRITE	goethite covered (irregular shaped grains)	
Pf	fresh (irregular shaped grains)	
Pr	botryoidal (...regardless of colour...)	
Pm	microfossil (pyrite replacement of a microfossil)	
Pe	euohedral (...regardless if goethite-covered or fresh)	
Po	rounded (...regardless if goethite-covered or fresh)	
Sx SIDERITE	x-tal aggregate	
Sd	massive	
Hg HORNBLENDE	green	
Hb	brown	
Ru RUTILE	red	
Ro	orange	
LE LEUCOXENE		
IM ILMENITE		
CR CHROMITE		
SP TITANITE		
ST STAUROLITE		
KY KYANITE		
MZ MONAZITE		
Za ZIRCON	angular	
Ze	euohedral	
Zr	rounded - abraided	
Zo	round (rounded zircon, non-abraided)	
UK	(unknown and unidentifiable)	

Identification of heavy minerals; 250 grain count.

	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gb	Gp	Py	Pf	Pr	Pm	Pe	Po	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Total	
14	10	18	0	3	27	0	1	49	26	3	0	4	2	1	0	0	0	0	0	0	0	0	0	0	38	3	0	0	5	20	0	24	0	0	0	2	3	0	2	9	250	
17	18	19	0	1	41	0	3	36	11	5	3	0	3	0	0	1	0	0	0	0	0	0	0	37	5	0	0	3	35	0	14	0	0	0	1	4	0	2	8	250		
19	15	11	0	1	47	0	2	48	14	3	7	1	4	0	0	0	0	0	0	0	0	0	0	24	2	0	0	12	28	0	6	1	0	0	6	0	2	3	13	250		
21	16	20	0	2	28	0	3	61	22	1	5	0	1	0	0	1	0	0	0	0	0	0	0	40	4	1	1	4	23	0	5	0	0	0	6	0	2	3	0	1	6	250
23	21	17	0	2	41	0	4	53	17	6	6	3	3	0	0	1	0	0	0	0	0	0	0	31	0	0	0	4	24	1	7	0	0	0	2	1	0	0	6	250		
25	13	23	0	4	38	0	2	56	15	6	11	1	4	0	2	2	1	0	0	0	0	0	0	14	3	0	0	5	24	0	11	1	0	0	2	2	0	1	9	250		
27	13	29	0	3	29	0	0	39	29	4	8	1	2	0	4	2	0	0	0	0	0	0	0	30	0	0	0	6	27	0	12	4	0	0	3	0	0	0	5	250		
29	10	15	0	8	28	0	0	52	21	7	5	0	5	0	0	1	0	0	0	0	0	0	0	42	5	0	0	6	26	0	9	0	0	0	0	2	0	2	6	250		
109	9	33	0	8	54	0	0	42	16	2	4	0	3	2	3	1	3	0	1	0	0	0	3	16	2	0	0	10	18	0	7	0	0	0	3	3	0	2	5	250		
111	12	30	0	1	33	0	5	43	21	6	9	1	6	2	4	1	4	0	0	0	0	0	0	7	1	0	0	8	40	0	5	0	0	0	1	0	0	3	7	250		
112	10	36	0	4	26	0	7	29	25	8	15	2	6	2	3	2	7	0	3	0	1	0	2	0	8	1	0	1	6	31	0	3	1	0	0	0	1	0	1	9	250	
113	17	45	0	4	26	0	2	30	30	4	7	6	8	3	0	2	4	0	1	0	0	0	0	7	0	0	0	9	28	0	2	1	0	0	1	1	0	1	11	250		
114	13	23	0	4	36	0	2	21	38	3	10	3	3	2	0	1	1	6	5	0	2	0	2	3	2	0	0	4	46	0	3	0	0	1	2	3	1	2	8	250		
115	15	25	0	5	33	0	1	48	36	1	1	2	3	2	1	1	0	0	0	0	0	0	0	22	1	0	0	3	32	1	2	0	0	0	3	4	0	1	7	250		
119	15	30	0	6	35	0	1	47	33	6	4	1	2	0	0	0	0	0	0	0	0	0	0	15	3	0	0	4	25	0	9	0	0	0	0	3	1	0	10	250		
126	15	15	0	3	42	0	3	36	37	9	6	3	3	1	1	0	0	0	0	0	0	0	0	22	6	0	0	8	28	0	3	0	0	0	0	0	1	0	4	4	250	
127	12	15	0	4	41	0	5	47	25	6	7	0	3	0	1	0	0	0	0	0	0	0	0	23	2	0	0	4	34	0	5	1	0	0	1	4	1	0	9	250		
130	10	16	1	1	38	0	5	42	26	5	13	1	4	0	0	0	0	0	0	0	0	0	0	34	2	0	2	8	20	0	4	0	0	0	2	3	0	3	10	250		
137	22	25	0	0	31	0	4	63	24	4	6	0	1	0	1	0	0	0	0	0	0	0	0	11	5	0	0	3	28	0	6	0	0	0	3	2	0	2	9	250		
419	20	25	0	5	38	0	2	31	29	4	5	1	3	0	1	1	0	0	0	0	0	0	0	38	4	0	0	1	26	0	2	0	0	0	2	4	0	2	6	250		
437	13	15	0	5	38	0	1	35	40	7	7	2	3	1	2	0	0	0	0	0	0	0	0	25	4	0	0	4	25	0	3	0	1	0	2	4	0	3	10	250		
604	5	16	0	6	63	0	2	30	22	11	11	1	2	0	0	0	0	0	0	0	0	0	0	20	0	0	0	6	33	0	5	0	0	0	2	2	1	4	8	250		
605	15	20	0	3	47	0	3	36	48	3	7	1	1	0	0	2	0	0	0	0	0	0	0	17	1	0	0	2	39	0	1	0	0	0	0	1	0	1	2	250		
618	13	17	0	0	38	1	3	44	24	3	9	5	1	0	0	0	0	0	0	0	0	0	1	27	1	0	0	3	34	0	9	0	0	0	0	7	0	1	9	250		
621	20	45	0	3	43	0	2	32	36	4	3	4	4	0	1	0	0	0	0	0	0	0	0	16	3	1	0	2	14	0	5	0	0	0	1	3	0	0	8	250		
814	23	23	0	0	24	0	0	80	11	1	0	0	9	0	0	0	1	0	0	0	0	0	0	22	0	0	0	9	21	2	4	0	0	1	3	0	0	16	250			
815	21	46	0	2	29	0	5	52	29	5	2	0	3	2	0	0	0	0	0	0	0	0	0	6	0	0	0	6	28	0	3	0	0	0	1	3	0	1	6	250		
816	22	28	1	6	66	0	4	61	10	1	0	0	1	1	0	0	0	0	0	0	0	0	6	1	0	0	5	19	0	4	2	1	1	0	0	1	1	8	250			
817	22	35	0	7	43	0	1	61	21	1	0	0	7	2	0	0	1	0	0	0	0	0	13	0	0	1	5	17	0	3	1	0	1	0	0	0	1	7	250			
818	16	32	0	3	81	0	4	55	1	5	0	0	3	2	0	0	1	0	0	0	0	0	17	1	0	0	7	6	0	8	0	0	0	0	1	0	0	7	250			
819	30	30	0	2	64	0	5	59	6	3	0	0	2	0	0	0	0	0	0	0	0	0	7	1	0	0	2	16	0	14	0	0	2	0	0	0	0	7	250			
820	10	23	0	2	81	0	2	64	13	0	0	0	2	0	0	0	0	0	0	0	0	0	18	3	0	0	2	18	0	3	0	0	3	0	0	0	0	6	250			
821	15	39	0	8	96	1	6	34	6	0	1	0	3	0	0	0	2	0	0	0	0	0	12	1	0	0	1	10	1	5	0	0	1	0	0	1	7	250				
8003	9	49	0	2	32	0	2	33	15	2	14	0	2	0	0	0	0	0	0	0	0	0	19	1	0	0	7	49	0	2	2	0	0	1	1	1	1	6	250			
8006	13	21	0	2	37	0	2	42	36	5	10	0	6	1	0	1	0	0	0	0	0	0	22	3	0	0	1	33	0	3	0	0	0	1	2	0	0	9	250			
8009	12	63	0	2	15	0	1	61	22	4	5	0	4	2	0	0	0	0	0	0	0	0	13	2	0	0	3	29	0	2	0	0	0	2	0	0	4	4	250			

Identification of heavy minerals; 250 grain count.

	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gb	Gp	Py	Pf	Pr	Pm	Pe	Po	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Total		
Hole D:																																											
1016	15	13	0	4	38	0	2	39	58	5	1	2	3	0	0	0	0	1	0	0	0	0	0	0	20	4	0	0	3	32	0	2	0	0	0	0	0	0	0	1	7	250	
1017	13	14	0	3	43	0	3	38	42	5	4	4	6	0	0	0	0	0	0	0	0	0	0	15	3	1	0	4	30	0	4	0	0	0	0	4	0	1	2	11	250		
1018	8	9	0	0	40	0	3	28	67	4	5	1	2	0	0	0	1	0	0	0	0	0	0	11	2	0	0	5	41	0	4	0	0	0	5	3	1	0	10	250			
1019	4	15	0	1	39	0	2	35	69	9	4	5	4	1	0	0	2	0	0	0	0	0	0	12	1	1	0	4	24	0	4	0	0	1	1	3	1	0	8	250			
1020	9	28	0	2	43	0	1	21	47	5	6	1	1	0	1	0	2	0	0	0	1	0	0	8	1	0	0	1	56	0	2	0	0	0	1	2	1	0	10	250			
1021	20	25	0	3	51	0	2	35	28	2	5	0	6	0	0	1	1	0	0	0	0	0	0	10	3	0	0	3	35	0	7	0	0	0	4	2	0	1	6	250			
1022	10	23	0	3	39	0	1	41	26	5	5	0	1	0	0	0	0	6	7	0	1	1	0	0	21	6	0	1	3	38	0	1	0	0	0	1	2	2	0	6	250		
1023	7	18	0	1	38	0	0	30	36	4	1	1	2	0	0	0	3	6	1	0	1	0	0	1	23	1	0	0	4	40	0	10	0	0	0	5	2	2	2	11	250		
1024	8	19	1	2	36	0	2	25	46	9	1	1	4	0	0	0	3	7	8	0	4	0	0	4	2	0	1	4	48	0	1	2	1	0	1	3	1	0	6	250			
1025	15	18	0	5	40	0	7	26	23	3	10	1	2	1	0	0	1	11	1	0	2	1	0	0	17	2	0	0	3	42	0	5	0	0	0	0	1	2	1	10	250		
1026	11	23	0	1	51	0	2	40	28	1	3	2	2	1	0	0	0	9	1	0	1	1	0	0	22	2	0	0	5	29	0	3	0	0	0	0	0	0	1	11	250		
1027	5	14	0	1	38	0	2	35	35	5	0	2	3	2	0	1	2	9	5	0	0	0	0	1	34	1	0	0	6	33	0	2	0	0	0	1	2	0	2	9	250		
1028	13	18	0	1	42	0	2	22	32	8	5	1	1	0	0	0	0	13	3	0	1	1	0	2	24	4	1	0	7	30	0	3	0	1	0	2	4	1	1	7	250		
1029	16	12	0	3	32	0	2	42	27	6	2	7	2	0	0	0	2	6	3	0	3	0	0	1	29	2	0	0	4	31	0	5	0	0	0	0	2	0	1	10	250		
1030	14	7	0	5	53	0	0	35	27	4	2	0	2	0	0	0	2	7	4	0	4	0	0	0	22	5	0	0	3	34	0	4	2	0	0	0	4	0	1	9	250		
1031	21	24	0	3	51	0	2	31	11	0	2	2	1	0	0	0	1	6	2	0	1	0	0	1	34	8	0	0	1	26	0	9	0	0	0	1	1	0	0	11	250		
1032	33	15	0	6	40	0	0	19	31	9	9	3	0	0	1	0	1	3	2	0	0	0	0	20	2	0	0	2	34	0	9	0	0	0	1	1	2	1	6	250			
1033	14	12	0	2	37	0	1	33	28	5	5	3	1	0	0	1	2	3	3	0	1	0	1	0	38	4	0	0	5	29	0	7	1	0	0	0	3	0	3	8	250		
1034	15	11	0	2	38	0	1	25	28	2	3	4	3	0	0	0	2	7	0	0	1	0	0	0	49	7	0	1	6	21	0	7	0	0	0	1	6	0	1	9	250		
1035	7	15	0	2	37	0	1	27	30	3	6	6	0	0	0	0	2	11	2	0	4	0	0	1	20	5	0	0	11	39	0	3	0	0	0	2	4	0	1	11	250		
1036	4	18	0	4	39	0	2	36	29	2	4	2	1	0	0	0	5	7	5	0	3	0	0	0	31	2	0	0	1	28	0	6	0	0	0	4	2	0	1	14	250		
1037	19	22	1	1	35	0	5	38	18	2	7	2	1	0	0	0	3	3	3	0	0	0	0	1	28	2	0	0	2	35	0	6	0	0	0	0	4	0	2	10	250		
1038	3	20	0	0	40	0	0	34	28	2	7	3	2	0	0	0	4	5	4	0	4	0	0	0	29	1	0	0	2	39	0	7	0	0	0	2	4	0	1	9	250		
1039	8	19	0	3	40	0	3	37	34	6	5	9	1	1	0	0	1	6	0	0	3	0	0	0	18	2	0	0	1	33	0	3	0	0	1	2	3	0	4	7	250		
1040	17	18	0	2	39	0	5	42	29	8	4	2	1	0	0	0	1	6	1	0	1	0	0	0	29	1	0	0	5	27	0	4	0	0	0	0	1	0	1	6	250		
1041	10	13	0	1	33	0	1	35	45	4	2	1	4	0	0	1	1	8	2	0	0	0	0	0	28	0	0	1	3	33	0	9	0	1	0	0	3	2	1	8	250		
1042	13	17	0	3	24	0	4	34	28	6	7	0	1	0	0	1	1	23	3	0	9	0	0	1	20	1	0	0	4	34	1	0	0	0	0	1	0	0	3	11	250		
1043	10	41	1	3	24	0	5	34	23	2	8	4	2	0	0	0	2	22	3	0	4	0	0	0	25	3	0	0	5	19	0	1	0	0	0	0	0	0	0	9	250		
1044	10	73	0	4	25	0	1	27	26	4	4	0	1	0	0	0	8	8	1	0	2	1	0	11	3	0	0	2	25	0	3	0	0	0	2	2	0	0	7	250			
1045	8	21	0	1	24	0	3	54	35	1	5	1	1	1	0	0	13	16	2	0	3	1	0	0	16	3	0	0	0	26	0	3	0	0	0	2	3	0	3	4	250		
1046	11	18	0	4	29	0	1	42	31	9	6	4	1	0	0	0	4	19	1	0	2	0	0	1	15	3	0	0	3	32	0	3	1	0	1	3	2	0	1	3	250		
1047	10	15	0	4	35	0	6	37	27	3	5	1	1	0	0	0	5	16	2	1	5	0	0	0	18	1	1	0	4	39	0	4	0	0	0	2	1	1	6	250			
1048	9	23	0	5	30	0	1	26	40	6	6	4	1	0	0	0	7	8	3	0	2	1	0	0	22	1	0	0	0	40	0	1	0	0	0	3	2	0	0	9	250		
1049	6	20	0	5	38	0	1	50	2	0	0	0	0	0	0	0	0	35	2	0	1	0	0	0	34	2	1	0	1	38	0	1	0	0	0	0	3	1	0	9	250		
1050	6	24	0	3	53	1	4	40	1	0	1	0	1	0	0	0	6	16	3	0	5	0	0	0	21	2	0	0	7	34	0	8	0	0	0	1	2	0	1	10	250		
1051	12	18	0	2	41	0	2	48	2	1	2	1	2	0	0	0	2	16	7	0	4	1	0	0	18	2	1	0	6	42	0	3	0	0	0	3	5	0	2	7	250		
1052	12	16	0	4	42	0	3	33	16	3	5	0	0	0	0	0	0	10	10	0	5	1	0	0	22	1	1	0	7	37	0	6	0	0	0	0	4	0	1	11	250		
1053	10	30	0	1	40	0	1	35	16	0	0	1	1	0	0	0	0	13	2	0	2	1	0	0	52	2	0	0	3	23	0	4	0	0	0	1	2	0	2	8	250		
1054	4	20	0	1	57	0	2	44	11	0	0	1	0	0	0	0	0	14	4	0	2	0	0	0	25	5	0	0	8	38	0	1	0	0	0	0	3	0	1	9	250		
1055																																											

Sample #	Location	Total Grains	Total - CPX & AMPH	%Epidote	%Garnet	%Hematite	%Ilmenite	%Ortho- pyroxene	%Pyrite	%Titanite	%Zircon	%Leucoxene	%Goethite	%Other	Total%
114	Little Current R	250	232	9.9	17.2	23.3	19.8	9.9	6.0	1.3	3.4	1.7	2.6	4.7	100
113	Little Current R	250	226	14.2	13.3	20.8	12.4	19.9	2.2	0.9	1.3	4.0	5.8	5.3	100
112	Little Current R	250	231	15.6	13.0	21.6	13.4	15.6	4.8	1.3	0.9	2.6	5.6	5.6	100
111	Little Current R	250	230	20.9	14.8	16.1	17.4	13.0	1.7	2.2	1.7	3.5	5.7	3.0	100
109	N of Nakina	250	223	18.8	27.8	9.9	8.1	14.8	1.8	3.1	3.6	4.5	4.0	3.6	100
14	N of Nakina	250	199	25.1	15.1	16.6	10.1	9.0	0.0	12.1	3.5	2.5	1.5	4.5	100
17	N of Nakina	250	190	20.5	22.1	10.0	18.4	10.0	0.0	7.4	3.7	1.6	2.1	4.2	100
19	N of Nakina	250	209	23.9	23.0	12.0	13.4	5.3	0.0	2.9	5.3	5.7	1.9	6.7	100
21	N of Nakina	250	190	33.7	15.8	14.7	12.1	10.5	0.0	2.6	3.2	2.1	1.1	4.2	100
23	N of Longlac	250	198	28.8	21.7	16.2	12.1	8.6	0.0	3.5	1.5	2.0	2.0	3.5	100
25	N of Longlac	250	220	26.4	19.1	15.0	10.9	10.5	0.5	5.0	2.3	2.3	3.6	4.5	100
29	N of Geraldton	250	193	26.9	18.7	17.1	13.5	7.8	0.0	4.7	2.1	3.1	3.1	3.1	100
27	N of Geraldton	250	207	18.8	15.5	20.3	13.0	14.0	0.0	5.8	1.4	2.9	3.9	4.3	100
437	N of Geraldton	250	208	17.3	20.7	26.9	12.0	7.2	0.0	1.4	4.3	1.9	2.9	5.3	100
419	N of Geraldton	250	188	17.6	22.9	20.7	13.8	13.3	0.0	1.1	4.3	0.5	2.7	3.2	100
137	W of Geraldton	250	212	31.6	14.6	16.0	13.2	11.8	0.0	2.8	3.3	1.4	0.9	4.2	100
130	W of Geraldton	250	204	23.0	19.1	22.1	9.8	8.3	0.0	2.0	3.9	3.9	2.0	5.9	100
127	W of Geraldton	250	213	24.4	21.1	17.8	16.0	7.0	0.0	2.3	2.8	1.9	1.9	4.7	100
126	W of Geraldton	250	207	18.8	21.7	26.6	13.5	7.2	0.0	1.4	2.4	3.9	2.4	1.9	100
115	W of Geraldton	250	212	23.1	17.9	18.9	15.1	11.8	0.0	0.9	3.8	1.4	3.3	3.8	100
119	W of Geraldton	250	217	22.1	18.9	20.3	11.5	13.8	0.0	4.1	1.8	1.8	0.9	4.6	100
604	Jellicoe	250	225	14.2	30.7	20.0	14.7	7.1	0.0	2.2	4.0	2.7	0.9	3.6	100
605	Jellicoe	250	217	18.0	23.0	27.2	18.0	9.2	0.0	0.5	0.9	0.9	1.4	0.9	100
618	NE of Beardmore	250	209	22.5	18.7	19.6	16.3	8.1	0.0	4.3	3.8	1.4	0.5	4.8	100
621	Beardmore	250	211	16.1	21.8	22.3	6.6	21.3	0.0	2.4	1.9	0.9	2.4	4.3	100
8009	S of Beardmore	250	223	27.8	7.6	13.9	13.0	28.3	0.0	0.9	2.7	1.3	2.7	1.8	100
8006	S of Beardmore	250	212	20.8	18.4	24.1	15.6	9.9	0.0	1.4	1.4	0.5	3.8	4.2	100
8003	S of Beardmore	250	221	15.8	15.4	14.0	22.2	22.2	0.0	0.9	1.8	3.2	0.9	3.6	100
814	Klotz Lake	250	205	39.0	11.7	5.9	10.2	11.2	0.5	2.0	1.5	4.4	4.4	9.3	100
815	E of Klotz Lake	250	223	25.6	13.9	16.1	12.6	20.6	0.0	1.3	2.2	2.7	2.2	2.7	100
816	Hornepayne	250	221	29.4	32.6	5.0	8.6	13.1	0.0	1.8	0.9	2.3	0.9	5.4	100
817	Manitouwadge	250	215	28.8	23.3	10.2	7.9	16.3	0.5	1.4	0.5	2.3	4.2	4.7	100
818	Manitouwadge	250	216	27.3	38.9	2.8	2.8	14.8	0.5	3.7	0.5	3.2	2.3	3.2	100
819	Hemlo	250	212	30.2	31.1	4.2	7.5	14.2	0.0	6.6	0.0	0.9	0.9	4.2	100
820	White River	250	219	30.1	37.9	5.9	8.2	10.5	0.0	1.4	0.0	0.9	0.9	4.1	100
821	White River	250	222	18.0	47.3	3.2	4.5	17.6	0.9	2.3	0.5	0.5	1.4	4.1	100

Hole D:	Total Grains	Total - CPX & AMPH	%Epidote	%Garnet	%Hematite	%Ilmenite	%Ortho- pyroxene	%Pyrite	%Titanite	%Zircon	%Leucoxene	%Goethite	%Other	Total%
Sample #	Depth m													
1016	1.0	250	211	19.4	19.9	31.3	15.2	6.2	0.5	0.9	0.5	1.4	1.4	3.3
1017	2.0	250	219	18.7	21.0	25.1	13.7	6.4	0.0	1.8	3.2	1.8	2.7	5.5
1018	3.0	250	229	13.5	17.5	33.6	17.9	3.9	0.4	1.7	3.9	2.2	0.9	4.4
1019	4.0	250	233	15.9	17.2	37.3	10.3	6.4	0.9	1.7	2.1	1.7	2.1	4.3
1020	5.0	250	232	9.5	19.4	25.4	24.1	12.1	1.3	0.9	1.7	0.4	0.9	4.3
1021	6.3	250	217	17.1	24.9	16.1	16.1	11.5	0.5	3.2	3.2	1.4	3.2	2.8
1022	7.5	250	213	19.7	19.7	16.9	17.8	10.8	7.0	0.5	2.3	1.4	0.5	3.3
1023	8.5	250	219	13.7	17.8	19.2	18.3	8.2	5.0	4.6	5.0	1.8	0.9	5.5
1024	9.5	250	236	11.4	16.1	24.2	20.3	8.5	9.3	0.4	2.1	1.7	1.7	4.2
1025	10.8	250	216	15.3	20.8	17.1	19.4	8.3	7.4	2.3	1.9	1.4	1.4	4.6
1026	12.0	250	215	19.5	24.2	15.8	13.5	10.7	5.6	1.4	0.5	2.3	1.4	5.1
1027	13.0	250	210	17.6	18.6	20.0	15.7	6.7	7.6	1.0	2.4	2.9	2.9	4.8
1028	14.0	250	209	11.5	20.6	22.0	14.4	8.6	8.6	1.4	3.8	3.3	0.5	5.3
1029	15.0	250	203	21.7	17.2	20.7	15.3	5.9	6.9	2.5	1.5	2.0	1.0	5.4
1030	16.0	250	209	16.7	27.8	15.8	16.3	3.3	8.1	1.9	2.4	1.4	1.0	5.3
1031	17.0	250	187	17.6	28.9	8.0	13.9	12.8	5.3	4.8	1.1	0.5	0.5	6.4
1032	18.0	250	195	9.7	23.6	26.7	17.4	7.7	3.1	4.6	2.6	1.0	0.5	3.1
1033	19.0	250	194	17.5	20.1	21.1	14.9	6.2	4.6	3.6	3.1	2.6	1.0	5.2
1034	20.0	250	179	14.5	22.3	20.7	11.7	6.1	5.6	3.9	4.5	3.4	1.7	5.6
1035	21.0	250	218	12.8	17.9	20.6	17.9	6.9	8.7	1.4	3.2	5.0	0.0	5.5
1036	22.0	250	213	17.8	20.2	17.4	13.1	8.5	9.4	2.8	3.3	0.5	0.5	6.6
1037	23.0	250	201	21.4	17.9	14.4	17.4	11.4	4.5	3.0	3.0	1.0	0.5	5.5
1038	24.0	250	217	15.7	18.4	18.4	18.0	9.2	7.8	3.2	3.2	0.9	0.9	4.1
1039	25.0	250	222	18.0	19.4	24.3	14.9	8.6	4.5	1.4	4.1	0.5	0.9	3.6
1040	26.0	250	203	23.2	20.2	21.2	13.3	8.9	4.4	2.0	1.0	2.5	0.5	3.0
1041	27.0	250	212	17.0	16.0	24.5	15.6	6.1	5.2	4.2	2.8	1.4	2.4	4.7
1042	28.0	250	216	17.6	12.5	19.0	15.7	7.9	16.7	0.0	1.9	1.9	0.9	6.0
1043	29.0	250	212	18.4	12.7	17.5	9.0	19.8	14.6	0.5	0.0	2.4	0.9	4.2
1044	30.0	250	226	12.4	12.8	15.0	11.1	32.3	8.8	1.3	1.8	0.9	0.4	3.1
1045	31.0	250	223	25.6	11.2	18.8	11.7	9.4	15.7	1.3	3.6	0.0	0.9	1.8
1046	32.0	250	221	19.5	14.9	22.6	14.5	8.1	11.8	1.4	2.7	1.4	0.5	2.7
1047	35.5	250	221	19.5	17.6	16.3	17.6	6.8	13.1	1.8	1.8	1.8	0.5	3.2
1048	39.0	250	218	12.4	16.1	25.7	18.3	10.6	9.6	0.5	2.3	0.0	0.5	4.1
1049	43.5	250	208	24.5	20.7	1.0	18.3	9.6	18.3	0.5	1.9	0.5	0.0	4.8
1050	45.0	250	221	19.9	25.8	0.9	15.4	10.9	13.6	3.6	1.8	3.2	0.5	4.5
1051	46.0	250	218	22.9	19.7	2.8	19.3	8.3	13.8	1.4	4.6	2.8	0.9	3.7
1052	47.0	250	215	16.7	21.4	11.2	17.2	7.4	12.1	2.8	2.3	3.3	0.0	5.6
1053	48.0	250	186	19.4	22.0	9.1	12.4	16.1	9.7	2.2	2.7	1.6	0.5	4.3
1054	49.0	250	216	21.3	26.9	5.6	17.6	9.3	9.3	0.5	1.9	3.7	0.0	4.2
1055	50.0	250	209	17.1	16.1	10.0	22.8	7.6	10.5	1.9	8.6	3.3	0.5	1.4
1056	51.0	250	214	15.0	21.5	8.4	17.8	9.8	14.0	3.7	4.2	1.9	0.0	3.7
1057	52.0	250	219	19.2	20.5	4.6	9.1	10.5	21.9	2.3	3.2	2.3	0.9	5.5
1058	53.5	250	242	12.0	1.2	0.4	2.1	4.5	73.1	1.2	0.0	1.7	0.4	3.3
1059	55.0	250	243	7.8	1.2	0.4	1.6	4.5	78.6	0.4	0.8	0.4	0.4	3.7
1060	56.0	250	247	5.3	0.4	0.4	1.6	5.7	78.9	0.4	0.0	4.0	0.0	3.2
1061	59.5	250	243	6.6	1.2	0.4	2.5	2.9	79.4	0.4	0.0	2.1	0.0	4.5

Appendix 6

**Classification of
Visible Gold Grains**

			NUMBER OF AU GRAINS, TABLE OR PAN								NONMAG	PREDICTED		
PANNED	GRAIN	THICKNESS	ABRADED		IRREGULAR		DELICATE		TOTAL	CONC.	ASSAY	REMARKS		
Y/N	DIAMETER	c=calculated	T	P	T	P	T	P		WEIGHT	ppb			
	microns									g				
C horizon surface till samples; oxidized:														
003	N	100 X 125	22 C	1						1				
										1	17.4	122		
004	N	NO VISIBLE GOLD												
005	N	NO VISIBLE GOLD												
007	N	NO VISIBLE GOLD												
008	N	NO VISIBLE GOLD												
009	N	200 X 250	42 C	1						1				
										1	24.5	654		
010	N	NO VISIBLE GOLD												
011	N	NO VISIBLE GOLD												
012	N	75 X 175	25 C	1						1				
										1	8.5	340		
013	N	NO VISIBLE GOLD												
014	N	NO VISIBLE GOLD												
015	N	NO VISIBLE GOLD												
016	N	NO VISIBLE GOLD												
017	N	NO VISIBLE GOLD												
018	N	150 X 175	31 C	1						1				
										1	8.4	742		
019	N	NO VISIBLE GOLD												
020	N	NO VISIBLE GOLD												
021	N	NO VISIBLE GOLD												
023	N	NO VISIBLE GOLD												
024	N	NO VISIBLE GOLD												
025	N	NO VISIBLE GOLD												
026	N	NO VISIBLE GOLD												
027	N	NO VISIBLE GOLD												
028	N	NO VISIBLE GOLD												
029	N	50 X 75	13 C	1						1				
										1	9.4	40		
031	N	NO VISIBLE GOLD												
032	N	NO VISIBLE GOLD												
033	N	NO VISIBLE GOLD												
034	Y	50 X 50	10 C							1				
		50 X 75	13 C	1				1		2		NO SULPHIDES		
		100 X 100	20 C	1						1				
										4	11.3	216		
035	N	NO VISIBLE GOLD												
036	N	NO VISIBLE GOLD												
037	N	25 X 25	5 C	1						1				
										1	12.3	2		
038	N	NO VISIBLE GOLD												
039	N	NO VISIBLE GOLD												
040	N	NO VISIBLE GOLD												
041	N	NO VISIBLE GOLD												
042	N	NO VISIBLE GOLD												
043	N	NO VISIBLE GOLD												
044	N	NO VISIBLE GOLD												
045	N	NO VISIBLE GOLD												
046	N	NO VISIBLE GOLD												
047	N	NO VISIBLE GOLD												
048	N	NO VISIBLE GOLD												
049	N	NO VISIBLE GOLD												
050	N	NO VISIBLE GOLD												
051	N	NO VISIBLE GOLD												
052	N	NO VISIBLE GOLD												
053	N	NO VISIBLE GOLD												
054	N	NO VISIBLE GOLD												
055	N	NO VISIBLE GOLD												
056	N	NO VISIBLE GOLD												

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS		
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL							
			T	P	T	P	T	P								
057	N	NO VISIBLE GOLD														
058	N	NO VISIBLE GOLD														
059	N	NO VISIBLE GOLD														
060	N	NO VISIBLE GOLD														
061	N	NO VISIBLE GOLD														
062	N	50 X 125	18 C	1						1						
										1	20.0	51				
063	N	NO VISIBLE GOLD														
064	N	NO VISIBLE GOLD														
065	N	NO VISIBLE GOLD														
066	N	NO VISIBLE GOLD														
067	N	NO VISIBLE GOLD														
068	N	NO VISIBLE GOLD														
069	N	NO VISIBLE GOLD														
070	N	NO VISIBLE GOLD														
071	N	NO VISIBLE GOLD														
072	N	NO VISIBLE GOLD														
073	N	NO VISIBLE GOLD														
074	N	75 X 75	15 C	1						1						
										1	10.0	64				
075	N	NO VISIBLE GOLD														
076	N	125 X 175	29 C	1						1						
										1	11.3	437				
077	N	NO VISIBLE GOLD														
078	N	NO VISIBLE GOLD														
078	N	NO VISIBLE GOLD														
079	N	NO VISIBLE GOLD														
080	N	NO VISIBLE GOLD														
081	N	NO VISIBLE GOLD														
082	N	NO VISIBLE GOLD														
083	N	NO VISIBLE GOLD														
084	N	NO VISIBLE GOLD														
085	N	NO VISIBLE GOLD														
086	N	NO VISIBLE GOLD														
087	N	NO VISIBLE GOLD														
088	N	50 X 75	13 C	1						1						
										1	21.3	18				
089	N	50 X 75	13 C	1						1						
										1	9.9	38				
090	N	NO VISIBLE GOLD														
091	N	NO VISIBLE GOLD														
092	N	NO VISIBLE GOLD														
093	Y	25 X 25	5 C		1		2			3					NO SULPHIDES	
		25 X 50	8 C	1			1			2						
		50 X 75	13 C	1			1			2						
		50 X 100	15 C	1						1						
		100 X 125	22 C	1						1						
		225 X 250	44 C		1					1						
										10	12.8	1755				
094	N	NO VISIBLE GOLD														
095	N	NO VISIBLE GOLD														
096	N	75 X 75	15 C	1						1						
										1	15.1	42				
097	N	NO VISIBLE GOLD														
098	N	100 X 125	22 C	1						1						
										1	8.1	262				
099	N	NO VISIBLE GOLD														
100	N	NO VISIBLE GOLD														

NUMBER OF AU GRAINS, TABLE OR PAN													
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL	NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
			T	P	T	P	T	P					
101	Y	50 X 100 200 X 275	15 C 44 C	1 1					1 1			~1% PYRITE (UNOXIDIZED TILL FROM RIVER SECTION)	
										2	7.8	2481	
102	N	NO VISIBLE GOLD											
103	N	NO VISIBLE GOLD											
104	N	NO VISIBLE GOLD											
107	N	NO VISIBLE GOLD											
109	N	NO VISIBLE GOLD											
110	N	NO VISIBLE GOLD											
111	N	NO VISIBLE GOLD											
112	N	NO VISIBLE GOLD											
113	N	NO VISIBLE GOLD											
114	N	NO VISIBLE GOLD											
115	N	NO VISIBLE GOLD											
116	N	NO VISIBLE GOLD											
117	N	NO VISIBLE GOLD											
118	N	NO VISIBLE GOLD											
119	N	NO VISIBLE GOLD											
120	N	75 X 100	18 C	1					1				
										1	8.1	125	
121	N	NO VISIBLE GOLD											
122	N	NO VISIBLE GOLD											
123	N	NO VISIBLE GOLD											
124	N	NO VISIBLE GOLD											
125	N	NO VISIBLE GOLD											
126	N	NO VISIBLE GOLD											
127	N	NO VISIBLE GOLD											
128	N	NO VISIBLE GOLD											
129	N	NO VISIBLE GOLD											
130	N	NO VISIBLE GOLD											
131	N	NO VISIBLE GOLD											
132	N	NO VISIBLE GOLD											
133	N	NO VISIBLE GOLD											
134	N	NO VISIBLE GOLD											
135	N	NO VISIBLE GOLD											
136	Y	25 X 125	15 C					1	1			NO SULPHIDES	
										1	6.8	94	
137	N	NO VISIBLE GOLD											
138	N	NO VISIBLE GOLD											
139	N	NO VISIBLE GOLD											
140	N	NO VISIBLE GOLD											
141	N	NO VISIBLE GOLD											
142	N	NO VISIBLE GOLD											
143	N	NO VISIBLE GOLD											
144	N	NO VISIBLE GOLD											
146	N	NO VISIBLE GOLD											
147	N	NO VISIBLE GOLD											
148	N	NO VISIBLE GOLD											
149	N	NO VISIBLE GOLD											
150	N	NO VISIBLE GOLD											
151	N	NO VISIBLE GOLD											
152	N	NO VISIBLE GOLD											
201	N	NO VISIBLE GOLD											
202	N	NO VISIBLE GOLD											
203	N	NO VISIBLE GOLD											
204	N	NO VISIBLE GOLD											
205	N	NO VISIBLE GOLD											
206	N	NO VISIBLE GOLD											
207	N	NO VISIBLE GOLD											
208	N	NO VISIBLE GOLD											
209	N	NO VISIBLE GOLD											
210	N	NO VISIBLE GOLD											
211	N	NO VISIBLE GOLD											
212	N	NO VISIBLE GOLD											
213	N	NO VISIBLE GOLD											
214	N	NO VISIBLE GOLD											

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL						
			T	P	T	P	T	P	T	P					
215	Y	50 X 100	15 C	1						1					NO SULPHIDES
												1	3.8	169	
216	N	NO VISIBLE GOLD													
217	N	NO VISIBLE GOLD													
218	N	NO VISIBLE GOLD													
219	N	NO VISIBLE GOLD													
220	N	NO VISIBLE GOLD													
221	N	NO VISIBLE GOLD													
222	N	NO VISIBLE GOLD													
223	N	NO VISIBLE GOLD													
224	N	NO VISIBLE GOLD													
225	N	NO VISIBLE GOLD													
226	N	NO VISIBLE GOLD													
227	N	NO VISIBLE GOLD													
228	N	NO VISIBLE GOLD													
229	N	NO VISIBLE GOLD													
230	N	NO VISIBLE GOLD													
231	N	NO VISIBLE GOLD													
232	N	NO VISIBLE GOLD													
233	N	NO VISIBLE GOLD													
234	N	NO VISIBLE GOLD													
235	N	NO VISIBLE GOLD													
236	N	NO VISIBLE GOLD													
237	N	NO VISIBLE GOLD													
238	N	NO VISIBLE GOLD													
239	N	NO VISIBLE GOLD													
240	Y	25 X 25	5 C						1	1					NO SULPHIDES
		50 X 75	13 C						1	1					
		75 X 75	15 C						1	1					
		100 X 175	27 C		1					1					
												4	2.0	2432	
241	N	NO VISIBLE GOLD													
242	N	NO VISIBLE GOLD													
243	N	NO VISIBLE GOLD													
244	N	NO VISIBLE GOLD													
245	N	NO VISIBLE GOLD													
246	N	NO VISIBLE GOLD													
247	N	NO VISIBLE GOLD													
248	N	NO VISIBLE GOLD													
249	N	NO VISIBLE GOLD													
250	N	NO VISIBLE GOLD													
251	N	NO VISIBLE GOLD													
252	N	NO VISIBLE GOLD													
253	Y	50 X 50	10 C	1						1					NO SULPHIDES
												1	5.7	34	
254	N	NO VISIBLE GOLD													
255	N	NO VISIBLE GOLD													
256	N	NO VISIBLE GOLD													
257	N	NO VISIBLE GOLD													
258	N	NO VISIBLE GOLD													
259	N	NO VISIBLE GOLD													
260	N	NO VISIBLE GOLD													
261	N	NO VISIBLE GOLD													
262	N	NO VISIBLE GOLD													
263	N	NO VISIBLE GOLD													
264	N	NO VISIBLE GOLD													
265	N	NO VISIBLE GOLD													
266	N	NO VISIBLE GOLD													
267	N	NO VISIBLE GOLD													
268	N	NO VISIBLE GOLD													
269	N	NO VISIBLE GOLD													
270	N	NO VISIBLE GOLD													
271	N	NO VISIBLE GOLD													
272	N	NO VISIBLE GOLD													
273	N	NO VISIBLE GOLD													
274	N	NO VISIBLE GOLD													

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS		
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL							
			T	P	T	P	T	P	T	P						
275	N	NO VISIBLE GOLD														
276	N	NO VISIBLE GOLD														
277	N	NO VISIBLE GOLD														
278	N	NO VISIBLE GOLD														
279	N	NO VISIBLE GOLD														
280	N	NO VISIBLE GOLD														
281	N	NO VISIBLE GOLD														
282	N	NO VISIBLE GOLD														
283	N	NO VISIBLE GOLD														
284	N	NO VISIBLE GOLD														
285	N	NO VISIBLE GOLD														
301	N	NO VISIBLE GOLD														
302	N	NO VISIBLE GOLD														
303	N	NO VISIBLE GOLD														
304	N	NO VISIBLE GOLD														
305	N	NO VISIBLE GOLD														
306	N	NO VISIBLE GOLD														
307	N	NO VISIBLE GOLD														
308	N	NO VISIBLE GOLD														
309	N	NO VISIBLE GOLD														
310	N	NO VISIBLE GOLD														
311	N	NO VISIBLE GOLD														
312	N	NO VISIBLE GOLD														
313	N	NO VISIBLE GOLD														
314	N	NO VISIBLE GOLD														
315	N	NO VISIBLE GOLD														
316	N	NO VISIBLE GOLD														
317	N	NO VISIBLE GOLD														
318	N	NO VISIBLE GOLD														
319	N	NO VISIBLE GOLD														
320	N	NO VISIBLE GOLD														
321	N	NO VISIBLE GOLD														
322	N	NO VISIBLE GOLD														
323	N	NO VISIBLE GOLD														
324	N	NO VISIBLE GOLD														
325	N	NO VISIBLE GOLD														
326	N	NO VISIBLE GOLD														
327	N	NO VISIBLE GOLD														
328	N	NO VISIBLE GOLD														
329	N	NO VISIBLE GOLD														
330	N	NO VISIBLE GOLD														
331	N	NO VISIBLE GOLD														
332	N	NO VISIBLE GOLD														
333	N	NO VISIBLE GOLD														
334	N	NO VISIBLE GOLD														
335	N	NO VISIBLE GOLD														
336	N	NO VISIBLE GOLD														
337	N	NO VISIBLE GOLD														
338	N	NO VISIBLE GOLD														
339	N	NO VISIBLE GOLD														
340	N	NO VISIBLE GOLD														
400	N	NO VISIBLE GOLD														
401	N	NO VISIBLE GOLD														
402	Y	50 X 50	10 C		1					1					NO SULPHIDES	
		50 X 75	13 C	2	2					4						
		50 X 100	15 C	1						1						
		125 X 175	29 C		1					1						
											7	23.4	310			
403	N	50 X 100	15 C	1						1						
											1	18.6	34			
404	N	NO VISIBLE GOLD														
405	N	50 X 75	13 C	1						1						
											1	14.4	26			
406	N	75 X 100	18 C	1						1						
											1	9.1	111			

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL					
			T	P	T	P	T	P						
407	N	NO VISIBLE GOLD												
408	N	50 X 50	10 C	1						1				
										1	9.4	20		
409	N	NO VISIBLE GOLD												
410	N	50 X 100	15 C	1						1				
										1	10.2	63		
411	N	50 X 50	10 C	1						1				
										1	10.0	19		
412	N	100 X 125	22 C	1						1	12.8	166		
										1				
413	N	NO VISIBLE GOLD												
414	N	50 X 100	15 C	1						1	15.2	42		
										1				
415	N	NO VISIBLE GOLD												
416	Y	25 X 50	8 C		1					1				NO SULPHIDES
		75 X 75	15 C	1						1				
		100 X 150	25 C	1						1				
										3	24.6	147		
417	N	NO VISIBLE GOLD												
418	N	50 X 100	15 C	1						1				
										1	14.9	43		
419	N	NO VISIBLE GOLD												
420	N	50 X 50	10 C	1						1				
										1	15.7	12		
421	Y	75 X 75	15 C	1						1				NO SULPHIDES
		100 X 100	20 C	1						1				
										2	19.3	111		
422	Y	50 X 75	13 C	1	1					2				NO SULPHIDES
		100 X 100	20 C	1						1				
										3	17.5	128		
423	N	50 X 50	10 C	1						1	11.6	17		
424	N	NO VISIBLE GOLD												
425	N	NO VISIBLE GOLD												
426	N	NO VISIBLE GOLD												
427	N	50 X 75	13 C	1						1				
										1	8.8	42		
428	N	50 X 75	13 C	1						1				
										1	16.5	23		
429	N	NO VISIBLE GOLD												
430	N	NO VISIBLE GOLD												
431	Y	50 X 50	10 C	2						2				NO SULPHIDES
										2	25.4	15		
432	N	NO VISIBLE GOLD												
433	N	100 X 100	20 C	1						1				
										1	13.3	113		
434	Y	25 X 50	8 C	1						1				NO SULPHIDES
		50 X 50	10 C	1						1				
										2	28.8	10		

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL						
			T	P	T	P	T	P							
435	Y	25 X 25 50 X 50 100 X 125	5 C 10 C 22 C		1					1 2 1					NO SULPHIDES
436	Y	25 X 50 50 X 50	8 C 10 C	2 1						4 2 1	26.6	95			NO SULPHIDES
437	N	100 X 125	22 C	1						3 1	24.9	14			
438	N	50 X 125	18 C	1						1 1	12.7	167			
439	N	NO VISIBLE GOLD								1	11.5	88			
440	N	NO VISIBLE GOLD													
441	Y	50 X 50 100 X 125	10 C 22 C	1 1	1					2 1					NO SULPHIDES
442	N	25 X 50	8 C	1						3 1	9.2	272			
443	N	NO VISIBLE GOLD								1	7.3	11			
444	N	75 X 100	18 C	1						1					
445	N	NO VISIBLE GOLD								1	16.6	61			
446	N	NO VISIBLE GOLD													
447	N	50 X 75	13 C	1						1					
448	N	50 X 75	13 C	1						1 1	20.8	18			
449	N	NO VISIBLE GOLD								1	11.1	34			
450	N	NO VISIBLE GOLD													
451	N	50 X 50	10 C	1						1					
452	N	NO VISIBLE GOLD								1	17.9	11			
453	N	NO VISIBLE GOLD													
454	N	NO VISIBLE GOLD													
600	N	NO VISIBLE GOLD													
601	N	NO VISIBLE GOLD													
602	N	NO VISIBLE GOLD													
603	N	NO VISIBLE GOLD													
604	N	75 X 75	15 C	1						1					
605	N	NO VISIBLE GOLD								1	1.6	400			
606	Y	25 X 50 50 X 75 100 X 150	8 C 13 C 25 C	1 1 1						1 1 1					NO SULPHIDES
607	Y	25 X 25 25 X 50 50 X 50 50 X 75 75 X 150	5 C 8 C 10 C 13 C 22 C		4 3 2				2	3 4 3 5 2 1	15.7	213			NO SULPHIDES
										15	15.5	269			

PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	NUMBER OF AU GRAINS, TABLE OR PAN								NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
			ABRADED		IRREGULAR		DELICATE		TOTAL				
			T	P	T	P	T	P					
608	Y	25 X 25 25 X 50 25 X 75 25 X 100 50 X 50 50 X 75 50 X 100 75 X 75 75 X 100 75 X 125 100 X 150 125 X 150 150 X 250	5 C 8 C 10 C 13 C 10 C 13 C 15 C 15 C 18 C 20 C 25 C 27 C 38 C	2 2 3 1 <									

PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	NUMBER OF AU GRAINS, TABLE OR PAN								NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
			ABRADED		IRREGULAR		DELICATE		TOTAL				
			T	P	T	P	T	P					
629	Y	50 X 50 50 X 100 100 X 125	10 C 15 C 22 C				1			1 1 2		NO SULPHIDES	
630	Y	25 X 25 25 X 50 50 X 50 50 X 75 50 X 100 75 X 75 75 X 100 100 X 125 150 X 175	5 C 8 C 10 C 13 C 15 C 15 C 18 C 22 C 31 C		3		1		1	4 4 1 4 7 2 3 4 2 1	9.0	564	NO SULPHIDES
631	Y	25 X 25 25 X 50 25 X 75 50 X 50 50 X 75 75 X 100	5 C 8 C 10 C 10 C 13 C 18 C		1					1 4 1 1 2 1	13.5	1577	NO SULPHIDES
632	Y	25 X 50 50 X 75 125 X 150	8 C 13 C 27 C		1					10 1 2 1	16.6	150	NO SULPHIDES
633	N	NO VISIBLE GOLD								4	13.0	358	
634	N	NO VISIBLE GOLD											
635	Y	25 X 25 25 X 50 25 X 75 50 X 50 50 X 75 50 X 100 75 X 100 100 X 125 100 X 175 125 X 150	5 C 8 C 10 C 10 C 13 C 15 C 18 C 22 C 27 C 27 C		3 1 11		9		22	25 25 6 25 14 2 1 1 2 1			NO SULPHIDES
636	Y	25 X 25 25 X 50 25 X 100 50 X 50 50 X 75 50 X 100 50 X 125 75 X 75 75 X 100	5 C 8 C 13 C 10 C 13 C 15 C 18 C 15 C 18 C		1 2 3 1		1		5 3 1 2 3 2 1 1 1	102 6 8 1 5 9 3 1 1 4	5.2	5716	NO SULPHIDES
640	N	NO VISIBLE GOLD								38	4.7	2789	
641	N	75 X 125	20 C	1						1			
642	Y	25 X 25 50 X 75 50 X 100	5 C 13 C 15 C		1					1 1 1	90.9	17	NO SULPHIDES
643	Y	75 X 100 100 X 125 125 X 150	18 C 22 C 27 C	1		1				3 1 1 1	10.8	37	NO SULPHIDES
						1				3	12.0	580	

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL					
			T	P	T	P	T	P						
644	Y	50 X 50 50 X 75 50 X 100 75 X 125	10 C 13 C 15 C 20 C		1 1 1 1					1 1 1 1				NO SULPHIDES
645	N	125 X 225	34 C	1						4 1	11.7	231		
646	N	75 X 125	20 C	1						1 1	12.7	609		
647	Y	25 X 25 25 X 50 50 X 75 125 X 150	5 C 8 C 13 C 27 C		1 1 1 1				1	1 1 1 1	13.7	109		NO SULPHIDES
648	N	NO VISIBLE GOLD								4	15.5	278		
649	Y	25 X 50 50 X 50 50 X 75 50 X 100	8 C 10 C 13 C 15 C		1 1 2 1				1	2 1 2 1				NO SULPHIDES
650	N	50 X 75	13 C	1						6 1	29.7	59		
651	Y	25 X 25 100 X 150 125 X 150	5 C 25 C 27 C		1 1 1	1				1 1 1 1	11.8	32		NO SULPHIDES
652	N	100 X 125	22 C	1						3 1	9.4	717		
653	Y	25 X 25 50 X 50 50 X 75 75 X 125 100 X 125 100 X 225	5 C 10 C 13 C 20 C 22 C 31 C		1 2 1 1 1		1			1 1 2 1 1 1	16.6	128		NO SULPHIDES
654	N	50 X 50	10 C	1						7 1	8.9	1216		
655	N	25 X 75	10 C	1						1 1	7.2	27		
656	N	NO VISIBLE GOLD								1	14.4	13		
657	N	75 X 100	18 C			1				1				
658	N	NO VISIBLE GOLD								1	13.4	75		
659	N	75 X 125	20 C	1						1				
660	N	75 X 100	18 C	1						1 1	9.8	153		
661	N	NO VISIBLE GOLD								1	12.2	83		
662	N	150 X 200	34 C	1						1				
663	N	NO VISIBLE GOLD								1	18.2	425		
664	N	NO VISIBLE GOLD												
665	N	NO VISIBLE GOLD												
666	N	NO VISIBLE GOLD												

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL						
			T	P	T	P	T	P							
667	N	NO VISIBLE GOLD													
668	N	75 X 100	18 C	1						1					
										1	9.3	109			
669	N	125 X 200	31 C	1						1					
										1	9.8	636			
670	N	50 X 50	10 C	1						1					
										1	16.0	12			
671	N	NO VISIBLE GOLD													
672	N	NO VISIBLE GOLD													
673	N	NO VISIBLE GOLD													
674	N	100 X 100	20 C	1						1					
										1	12.5	120			
675	N	NO VISIBLE GOLD													
676	Y	25 X 25	5 C		1					1				NO SULPHIDES	
		25 X 75	10 C	1						1					
		50 X 75	13 C	1	1					2					
		150 X 200	34 C			1				1					
										5	17.0	512			
677	N	NO VISIBLE GOLD													
678	N	NO VISIBLE GOLD													
679	N	NO VISIBLE GOLD													
680	N	75 X 125	20 C	1						1					
										1	9.9	152			
681	N	50 X 100	15 C	1						1					
										1	11.5	56			
682	N	NO VISIBLE GOLD													
683	Y	25 X 25	5 C		2		1		1	4				NO SULPHIDES	
		50 X 50	10 C	1						1					
		50 X 75	13 C				1			1					
		75 X 150	22 C					1		1					
										7	18.0	155			
684	N	50 X 75	13 C	1						1					
										1	11.4	33			
685	Y	50 X 75	13 C	1						1				NO SULPHIDES	
		75 X 75	15 C	1						1					
										2	12.2	83			
686	Y	50 X 50	10 C	1	1					2				NO SULPHIDES	
		50 X 75	13 C	1						1					
										3	15.5	49			
687	Y	25 X 50	8 C		1					1				NO SULPHIDES	
		50 X 75	13 C	2						2					
										3	15.6	53			
688	N	75 X 75	15 C	1						1					
										1	25.5	25			
689	N	NO VISIBLE GOLD													
690	N	NO VISIBLE GOLD													
691	N	NO VISIBLE GOLD													
692	Y	25 X 25	5 C		1					1				NO SULPHIDES	
		25 X 50	8 C		1					1					
		75 X 100	18 C	1						1					
		125 X 150	27 C	1						1					
										4	18.9	262			
693	N	NO VISIBLE GOLD													

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL					
			T	P	T	P	T	P						
694	N	75 X 100	18 C	1						1				
											1	15.4	66	
695	N	NO VISIBLE	GOLD											
696	N	NO VISIBLE	GOLD											
697	N	NO VISIBLE	GOLD											
698	N	NO VISIBLE	GOLD											
699	N	NO VISIBLE	GOLD											
700	N	NO VISIBLE	GOLD											
701	N	NO VISIBLE	GOLD											
702	N	NO VISIBLE	GOLD											
703	N	NO VISIBLE	GOLD											
704	N	NO VISIBLE	GOLD											
705	N	NO VISIBLE	GOLD											
706	N	NO VISIBLE	GOLD											
707	N	NO VISIBLE	GOLD											
708	N	NO VISIBLE	GOLD											
709	N	NO VISIBLE	GOLD											
710	N	NO VISIBLE	GOLD											
711	N	NO VISIBLE	GOLD											
712	N	NO VISIBLE	GOLD											
814	N	NO VISIBLE	GOLD											
815	N	NO VISIBLE	GOLD											
816	N	NO VISIBLE	GOLD											
817	N	NO VISIBLE	GOLD											
818	N	NO VISIBLE	GOLD											
819	N	NO VISIBLE	GOLD											
820	N	NO VISIBLE	GOLD											
821	N	NO VISIBLE	GOLD											
8001	N	NO VISIBLE	GOLD											
8002	N	NO VISIBLE	GOLD											
8003	N	NO VISIBLE	GOLD											
8004	N	NO VISIBLE	GOLD											
8005	N	NO VISIBLE	GOLD											
8006	N	NO VISIBLE	GOLD											
8007	N	NO VISIBLE	GOLD											
8008	Y	25 X 25	5 C		3				4	7				NO SULPHIDES
		25 X 50	8 C		5					5				
		25 X 75	10 C				1			1				
		50 X 50	10 C		2		1		2	5				
		50 X 75	13 C		3		2		1	6				
		75 X 75	15 C		3				1	4				
		50 X 175	22 C		1					1				
		75 X 125	15 C						1	1				
		100 X 125	22 C	1						1				
		125 X 150	27 C		1					1				
		125 X 200	31 C	1						1				
											33	34.4	649	
8009	Y	25 X 25	5 C		1				7	8				NO SULPHIDES
		25 X 50	8 C		1		1		1	3				
		50 X 50	10 C		1				2	3				
		50 X 75	13 C		1		1		1	3				
		75 X 100	18 C	1						1				
		75 X 125	20 C	2						2				
		100 X 150	25 C	1						1				
		150 X 150	29 C	1			1			2				
		150 X 175	31 C	1						1				
											24	30.4	827	
8010	Y	50 X 75	13 C		1				1	1				NO SULPHIDES
		50 X 100	15 C				2			2				
											3	31.8	52	

PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
			ABRADED		IRREGULAR		DELICATE					TOTAL
			T	P	T	P	T	P				
8011	Y	25 X 25 5 C 25 X 50 8 C 50 X 50 10 C 50 X 125 18 C 100 X 150 25 C							3 1 3 1 1	3 1 6 1 1		NO SULPHIDES
8012	Y	25 X 35 6 C 25 X 50 8 C 25 X 75 10 C 50 X 50 10 C 50 X 100 15 C 75 X 100 18 C 75 X 125 20 C 75 X 150 22 C 100 X 125 22 C 125 X 225 34 C		3 1 2 1 1 1 1 1 1 1			1 1 1 1 1 1 1 1 1		6 1 1 1 1 1 1 1 1 1	12 9 3 2 2 1 1 1 1 1	12.7 410	NO SULPHIDES
8013	Y	25 X 25 5 C 25 X 50 8 C 50 X 50 10 C 50 X 75 13 C 50 X 100 15 C 50 X 125 18 C 50 X 175 22 C 75 X 100 18 C 175 X 200 36 C 225 X 250 44 C 275 X 450 63 C	5 3 1 2 3 1 1 1 1 1 1	4 5 1 1 1 1 1 1 1 1 1	2 5 1 1 1 1 1 1 1 1 1		4 2 1 1 2 1 1 1 1 1 1			23 15 15 2 4 5 1 1 1 1 1 1	17.5 981	NO SULPHIDES
8014	Y	25 X 25 5 C 25 X 50 8 C 50 X 50 10 C 50 X 75 13 C 75 X 75 15 C 75 X 100 18 C 75 X 125 20 C							5 2 1 1 2 1 1	5 3 2 2 2 1 1	47 19.3 5236	NO SULPHIDES
8015	Y	25 X 50 8 C 50 X 50 10 C 50 X 75 13 C 75 X 75 15 C 75 X 100 18 C 75 X 125 20 C 125 X 200 31 C 200 X 250 42 C	2 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1			1 1 2 1 1 1 1 1	1 1 2 1 1 1 1 1	16 4 2 3 1 1 1 1	13.3 398	NO SULPHIDES
8016	Y	25 X 25 5 C 25 X 50 8 C 50 X 50 10 C 50 X 75 13 C 50 X 125 18 C 75 X 150 22 C 100 X 150 25 C 100 X 175 27 C 150 X 225 36 C		1 1 2 2 1 1 1 1 1				1 1 2 1 1 1 1 1 1	1 1 2 1 1 1 1 1 1	14 2 5 6 4 1 1 1 1	24.4 1116	NO SULPHIDES
										22 16.8 1334		NO SULPHIDES

			NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE					TOTAL
			T	P	T	P	T	P				
8017	Y	25 X 50 8 C 50 X 50 10 C 50 X 75 13 C 75 X 150 22 C 100 X 125 22 C 100 X 150 25 C 150 X 300 42 C				1			1	1		
									2	2		
					1				1	2		
						1				1		
					1					1		
					1					1		
			1							1		
8018	Y	25 X 25 5 C 25 X 50 8 C 50 X 50 10 C 50 X 75 13 C 50 X 100 15 C 75 X 75 15 C 75 X 100 18 C 100 X 125 22 C 125 X 125 25 C		4			2		9	15	7.2 3384	
				1					6	7	NO SULPHIDES	
									2	2		
			1	1					2	4		
									1	1		
							1		1	2		
							1			1		
				2						2		
							1			1		

PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS			
			ABRADED		IRREGULAR		DELICATE					TOTAL		
			T	P	T	P	T	P						
8037	Y	25 X 25 5 C		1		3		1	5		NO SULPHIDES			
	25 X 50 8 C		1		1		2	4						
	50 X 50 10 C	1				2	3							
	50 X 75 13 C	1	1			1	3							
	75 X 75 15 C					1	1							
8038	Y	25 X 25 5 C		1		1			16	6.5	428	~0.2% ALTERED PYRITE		
	25 X 50 8 C		1				1	2						
	25 X 75 10 C				1	1	2							
	50 X 50 10 C					1	1							
	50 X 75 13 C			1		2	3							
	75 X 100 18 C	1		1			2							
	100 X 125 22 C	1					1							
8039	Y	25 X 25 5 C				1		1	13	11.3	536	NO SULPHIDES		
	25 X 50 8 C		1		1		2							
	50 X 50 10 C		1				1							
	50 X 100 15 C		1				1							
	75 X 75 15 C		1				1							
	75 X 100 18 C		1				1							
	100 X 175 27 C	1					1							
8040	Y	25 X 25 5 C				2		56	9	18.8	347	NO SULPHIDES		
	25 X 50 8 C		2		5		69	58						
	25 X 75 10 C				2		6	76						
	50 X 50 10 C		2		9		36	8						
	50 X 75 13 C		2		9		21	47						
	50 X 100 15 C				1		4	32						
	75 X 75 15 C		2	1	3		2	5						
	75 X 100 18 C		2		2		4	8						
	100 X 100 20 C	1			2		2	8						
	100 X 125 22 C		1		1	1	2	5						
	75 X 175 25 C		1					1						
	50 X 150 20 C						1	1						
	50 X 125 18 C				1			1						
	25 X 100 13 C				1			1						
	75 X 125 20 C		2		1		1	1						
	100 X 150 25 C				1			4						
	125 X 125 25 C				1			1						
	125 X 150 27 C	1						1						
	150 X 150 29 C	1					1	1						
	150 X 225 36 C			1				2						
	150 X 175 31 C				1			1						
	150 X 200 34 C	1				1		1						
	175 X 225 38 C			1				1						
	8041	Y	25 X 25 5 C		5		2		4	269	8.9		14690	NO SULPHIDES
		25 X 50 8 C		2		1			3					
25 X 75 10 C					2			2						
25 X 100 13 C					1			1						
50 X 50 10 C			2	1	1	5		9						
50 X 75 13 C			3		1		1	5						
50 X 100 15 C		1	1					2						
50 X 125 18 C						1		1						
75 X 75 15 C			1	2			1	4						
75 X 100 18 C			1				1	2						
125 X 175 29 C						1		1						
									41	8.6	1939			

		NUMBER OF AU GRAINS, TABLE OR PAN								NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL				
			T	P	T	P	T	P					
8042	Y	25 X 25	5 C		1				1	2	NO SULPHIDES		
		25 X 50	8 C						1	1			
		50 X 50	10 C	1			2		1	4			
		50 X 75	13 C				1			1			
		425 X 450	73 C	1						1			
<hr/>										9	31.3	3377	
8043	Y	25 X 25	5 C		1			1		2	NO SULPHIDES		
		25 X 50	8 C		1		1			2			
		50 X 75	13 C				1			1			
		75 X 125	20 C	1						1			
		100 X 100	20 C	1	1					2			
		150 X 300	42 C	1						1			
		150 X 325	44 C	1						1			
<hr/>										10	20.9	1905	
8044	Y	25 X 25	5 C		2			2	2	6	NO SULPHIDES		
		25 X 50	8 C			1	2			4			
		50 X 50	10 C		1	1		1		2			
		50 X 75	13 C						1	1			
		50 X 100	15 C		1					1			
		50 X 125	18 C	1						1			
		50 X 150	20 C		1					1			
		75 X 75	15 C	1	3					4			
		75 X 100	18 C	1				1		2			
		100 X 150	25 C		1					1			
		125 X 175	29 C					1		1			
<hr/>										24	14.1	1191	
8045	Y	25 X 25	5 C	1	3			1		6	NO SULPHIDES		
		25 X 50	8 C	2	3			1	1	7			
		25 X 100	13 C			1				1			
		50 X 50	10 C	1	1	1			1	4			
		50 X 75	13 C	3	3			1		7			
		50 X 100	15 C		2		1			3			
		75 X 75	15 C		1					1			
		75 X 100	18 C		1	1				2			
		75 X 125	20 C		1					1			
		100 X 125	22 C	1				1		2			
		125 X 150	27 C	1						1			
<hr/>										35	15.5	1202	
8046	Y	25 X 25	5 C		4			1	1	6	NO SULPHIDES		
		25 X 50	8 C		1		1			2			
		50 X 50	10 C		1					1			
		50 X 75	13 C		1					1			
<hr/>										10	18.4	48	
8047	Y	25 X 25	5 C		1					1	NO SULPHIDES		
		25 X 75	10 C		1					1			
		50 X 50	10 C			2	1			3			
		50 X 75	13 C				1	1		2			
		50 X 100	15 C		1					1			
		75 X 75	15 C	1	1	1				3			
		75 X 150	22 C	1						1			
100 X 100	20 C			1				1					
<hr/>										13	27.3	283	
<hr/>										1	27.3	23	
8049	Y	25 X 25	5 C	1	2					3	NO SULPHIDES		
		25 X 100	13 C	1						1			
<hr/>										4	19.4	23	
8050	N	NO VISIBLE GOLD											
8051	N	75 X 75	15 C	1						1			
<hr/>										1	20.6	31	

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL					
			T	P	T	P	T	P						
8052	N	NO VISIBLE GOLD												
8053	N	125 X 150	27 C	1						1				
										1	20.0	191		
8054	N	NO VISIBLE GOLD												
8055	Y	25 X 75	10 C	1						1				NO SULPHIDES
		75 X 75	15 C	2						2				
		75 X 125	20 C	1						1				
		100 X 100	20 C	1						1				
		125 X 125	25 C	1						1				
		125 X 175	29 C	1						1				
										7	61.1	201		
8056	Y	25 X 25	5 C	1	1					2				NO SULPHIDES
		25 X 50	8 C		1					1				
		50 X 100	15 C		1					1				
		50 X 150	20 C	1						1				
										5	25.1	90		
8057	N	NO VISIBLE GOLD												
8058	N	NO VISIBLE GOLD												
8059	N	NO VISIBLE GOLD												
8060	N	NO VISIBLE GOLD												
8061	N	NO VISIBLE GOLD												
8062	N	NO VISIBLE GOLD												
8063	N	NO VISIBLE GOLD												
8064	N	NO VISIBLE GOLD												
8065	N	NO VISIBLE GOLD												
8066	N	NO VISIBLE GOLD												
8067	N	NO VISIBLE GOLD												

Till from drill holes; 10 cm continuous sonic core;

~1m of core homogenized and sampled; unoxidized and therefore sulphide-bearing below 3 to 7 m.

Hole A:

1001	N	NO VISIBLE GOLD
1002	N	NO VISIBLE GOLD
1003	N	NO VISIBLE GOLD
1004	N	NO VISIBLE GOLD
1005	N	NO VISIBLE GOLD
1006	N	NO VISIBLE GOLD

Hole C:

1007	Y	50 X 75	13 C	2						2		NO SULPHIDES
										2	14.1	53
1008	N	NO VISIBLE GOLD										
1009	N	NO VISIBLE GOLD										
1010	N	NO VISIBLE GOLD										
1011	N	NO VISIBLE GOLD										
1012	N	NO VISIBLE GOLD										
1013	N	NO VISIBLE GOLD										
1014	N	NO VISIBLE GOLD										
1015	N	NO VISIBLE GOLD										

Hole D:

1016	N	NO VISIBLE GOLD										
1017	N	NO VISIBLE GOLD										
1018	N	NO VISIBLE GOLD										
1019	N	NO VISIBLE GOLD										
1020	N	NO VISIBLE GOLD										
1021	N	25 X 50	8 C	1						1		
										1	5.2	16
1022	N	NO VISIBLE GOLD										
1023	N	25 X 50	8 C	1						1		
										1	7.1	11
1024	N	NO VISIBLE GOLD										

				NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT	PREDICTED ASSAY	REMARKS		
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated		ABRADED		IRREGULAR		DELICATE					TOTAL	
				T	P	T	P	T	P		g	ppb		
1025	N	NO VISIBLE GOLD												
1026	N	NO VISIBLE GOLD												
1027	N	NO VISIBLE GOLD												
1028	N	NO VISIBLE GOLD												
1029	N	NO VISIBLE GOLD												
1030	N	NO VISIBLE GOLD												
1031	N	NO VISIBLE GOLD												
1032	N	NO VISIBLE GOLD												
1033	N	NO VISIBLE GOLD												
1034	N	NO VISIBLE GOLD												
1035	N	NO VISIBLE GOLD												
1036	N	NO VISIBLE GOLD												
1037	N	NO VISIBLE GOLD												
1038	N	NO VISIBLE GOLD												
1039	N	NO VISIBLE GOLD												
1040	N	NO VISIBLE GOLD												
1041	N	NO VISIBLE GOLD												
1042	N	100 X 200	29 C	1						1				
											1	20.1	246	
1043	N	NO VISIBLE GOLD												
1044	N	NO VISIBLE GOLD												
1045	N	NO VISIBLE GOLD												
1046	N	NO VISIBLE GOLD												
1047	N	NO VISIBLE GOLD												
1048	N	NO VISIBLE GOLD												
1049	N	NO VISIBLE GOLD												
1050	N	175 X 200	36 C	1						1				
											1	14.8	639	
1051	N	NO VISIBLE GOLD												
1052	N	NO VISIBLE GOLD												
1053	N	NO VISIBLE GOLD												
1054	N	NO VISIBLE GOLD												
1055	N	NO VISIBLE GOLD												
1056	N	NO VISIBLE GOLD												
1057	N	NO VISIBLE GOLD												
1058	Y	25 X 50	8 C		1					1			~50% PYRITE	
		50 X 100	15 C		1					1			300 PELLETS	
											2	29.7	24	MARCASITE
1059	Y	75 X 75	15 C		1					1			~60% PYRITE	
											1	42.7	15	
1060	Y	NO VISIBLE GOLD											~50% PYRITE	
1061	Y	25 X 50	8 C		1					1			~50% PYRITE	
											1	46.6	2	
e E:														
1062	N	NO VISIBLE GOLD												
1063	N	NO VISIBLE GOLD												
1064	N	NO VISIBLE GOLD												
1065	N	NO VISIBLE GOLD												
1066	N	NO VISIBLE GOLD												
1067	N	NO VISIBLE GOLD												
1068	N	NO VISIBLE GOLD												
1069	N	NO VISIBLE GOLD												
1070	N	NO VISIBLE GOLD												
1071	N	NO VISIBLE GOLD												
1072	N	NO VISIBLE GOLD												
1073	N	NO VISIBLE GOLD												
1074	N	100 X 175	27 C	1						1				
											1	9.4	407	
1075	N	NO VISIBLE GOLD												
1076	N	NO VISIBLE GOLD												

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL						
			T	P	T	P	T	P							
1077	N	100 X	150	25 C	1					1					
										1	10.0	289			
1078	N	NO VISIBLE	GOLD												
1079	N	NO VISIBLE	GOLD												
1080	N	NO VISIBLE	GOLD												
1081	N	NO VISIBLE	GOLD												
1082	N	NO VISIBLE	GOLD												
1083	N	NO VISIBLE	GOLD												
1084	N	NO VISIBLE	GOLD												
1085	N	50 X	75	13 C	1					1					
										1	9.1	41			
1086	N	NO VISIBLE	GOLD												
1087	N	25 X	50	8 C	1					1					
										1	9.4	9			
1088	N	NO VISIBLE	GOLD												
1089	N	NO VISIBLE	GOLD												
1090	N	NO VISIBLE	GOLD												
1091	N	NO VISIBLE	GOLD												
1092	N	175 X	175	34 C	1					1					
										1	9.7	798			
1093	N	NO VISIBLE	GOLD												
1094	N	NO VISIBLE	GOLD												
1095	N	NO VISIBLE	GOLD												
1096	N	NO VISIBLE	GOLD												
1097	Y	NO VISIBLE	GOLD												
1098	Y	25 X	50	8 C		1				1					~60% PYRITE
		25 X	75	10 C		1				1					~80% PYRITE
										2	24.7	11			
1099	Y	75 X	75	15 C		1				1					~75% PYRITE
		75 X	125	20 C		1				1					
										2	24.2	88			
1100	Y	NO VISIBLE	GOLD												~90% PYRITE
Hole F:															
1101	N	NO VISIBLE	GOLD												
1102	N	NO VISIBLE	GOLD												
1103	N	NO VISIBLE	GOLD												
1104	N	NO VISIBLE	GOLD												
1105	Y	NO VISIBLE	GOLD												~10% PYRITE
1106	N	NO VISIBLE	GOLD												
1107	N	NO VISIBLE	GOLD												
1108	N	NO VISIBLE	GOLD												
1109	N	NO VISIBLE	GOLD												
1110	N	NO VISIBLE	GOLD												
Hole G:															
1111	N	NO VISIBLE	GOLD												
1112	N	NO VISIBLE	GOLD												
1113	N	NO VISIBLE	GOLD												
1114	N	NO VISIBLE	GOLD												
1115	N	NO VISIBLE	GOLD												
1116	N	NO VISIBLE	GOLD												
1117	N	NO VISIBLE	GOLD												
1118	N	NO VISIBLE	GOLD												
1119	N	NO VISIBLE	GOLD												
Hole H:															
1120	N	NO VISIBLE	GOLD												
1121	N	NO VISIBLE	GOLD												
1122	N	NO VISIBLE	GOLD												
1123	N	NO VISIBLE	GOLD												
1124	N	NO VISIBLE	GOLD												
1125	N	NO VISIBLE	GOLD												

NUMBER OF AU GRAINS, TABLE OR PAN												NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL					
			T	P	T	P	T	P						
1126	N	NO VISIBLE GOLD												
1127	N	NO VISIBLE GOLD												
1128	N	NO VISIBLE GOLD												
1129	N	NO VISIBLE GOLD												
1130	N	NO VISIBLE GOLD												
1131	N	NO VISIBLE GOLD												
1132	N	NO VISIBLE GOLD												
1133	N	NO VISIBLE GOLD												
1134	N	NO VISIBLE GOLD												
1135	N	NO VISIBLE GOLD												
1136	N	NO VISIBLE GOLD												
1137	N	NO VISIBLE GOLD												
1138	N	NO VISIBLE GOLD												
1139	N	NO VISIBLE GOLD												
1140	N	NO VISIBLE GOLD												
1141	N	NO VISIBLE GOLD												
1142	N	NO VISIBLE GOLD												
1143	N	NO VISIBLE GOLD												
1144	N	NO VISIBLE GOLD												
1145	N	NO VISIBLE GOLD												
1146	N	NO VISIBLE GOLD												
Hole I:														
1147	N	NO VISIBLE GOLD												
1148	N	NO VISIBLE GOLD												
1149	N	NO VISIBLE GOLD												
1150	N	NO VISIBLE GOLD												
1151	N	NO VISIBLE GOLD												
1152	N	NO VISIBLE GOLD												
1153	N	150 X 250	38 c	1						1				
											1	11.4	1000	
1154	N	NO VISIBLE GOLD												
1155	N	NO VISIBLE GOLD												
1156	N	NO VISIBLE GOLD												
1157	N	NO VISIBLE GOLD												
1158	N	NO VISIBLE GOLD												
1159	N	NO VISIBLE GOLD												
1160	N	NO VISIBLE GOLD												
1161	N	NO VISIBLE GOLD												
1162	N	NO VISIBLE GOLD												
1163	N	NO VISIBLE GOLD												
1164	N	NO VISIBLE GOLD												
1165	N	NO VISIBLE GOLD												
1166	N	NO VISIBLE GOLD												
1167	N	NO VISIBLE GOLD												
1168	N	NO VISIBLE GOLD												
1169	N	NO VISIBLE GOLD												
1170	N	NO VISIBLE GOLD												
1171	N	NO VISIBLE GOLD												
1172	N	NO VISIBLE GOLD												
1173	N	NO VISIBLE GOLD												
1174	N	NO VISIBLE GOLD												
1175	N	NO VISIBLE GOLD												
1176	N	NO VISIBLE GOLD												
1177	N	NO VISIBLE GOLD												
1178	N	NO VISIBLE GOLD												
1179	N	NO VISIBLE GOLD												
1180	N	NO VISIBLE GOLD												
1181	N	NO VISIBLE GOLD												
1182	N	NO VISIBLE GOLD												
1183	N	NO VISIBLE GOLD												
1184	N	NO VISIBLE GOLD												

PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
			ABRADED		IRREGULAR		DELICATE					TOTAL
			T	P	T	P	T	P				
1185	Y	25 X 25 5 C		5		6			11		~30% PYRITE	
		25 X 50 8 C		4				1	5			
		25 X 75 10 C		1		1			2			
		50 X 50 10 C		6		2		1	9			
		50 X 75 13 C		3		2			5			
		50 X 100 15 C		1		1			2			
		50 X 125 18 C				2			2			
		50 X 150 20 C		2		1			3			
		75 X 100 18 C				2		1	3			
		75 X 125 20 C		2		1			3			
		100 X 100 20 C		1					1			
		100 X 150 25 C	1	1					2			
		125 X 150 27 C	1						1			
		125 X 350 44 C	1						1			
		150 X 200 34 C	1						1			
		250 X 300 50 C		1					1			
		300 X 325 56 C			1				1			
									53	11.2	11333	
1186	N	NO VISIBLE GOLD										
1187	N	NO VISIBLE GOLD										
1188	N	NO VISIBLE GOLD										
Hole J:												
1189	Y	25 X 25 5 C					1		1		~10% PYRITE	
		25 X 75 10 C		1					1			
		25 X 100 13 C	1						1			
		50 X 50 10 C	1						1			
		50 X 125 18 C						1	1			
									5	8.9	201	
1190	N	NO VISIBLE GOLD										
1191	N	NO VISIBLE GOLD										
1192	N	NO VISIBLE GOLD										
1193	N	NO VISIBLE GOLD										
1194	N	NO VISIBLE GOLD										
1195	N	NO VISIBLE GOLD										
1196	N	NO VISIBLE GOLD										
1197	N	NO VISIBLE GOLD										
1198	N	NO VISIBLE GOLD										
1199	N	NO VISIBLE GOLD										
1200	N	NO VISIBLE GOLD										
1201	N	NO VISIBLE GOLD										
1202	N	NO VISIBLE GOLD										
1203	N	50 X 75 13 C	1						1			
									1	10.8	35	
1204	N	NO VISIBLE GOLD										
1205	N	NO VISIBLE GOLD										
1206	N	NO VISIBLE GOLD										
1207	N	NO VISIBLE GOLD										
1208	N	NO VISIBLE GOLD										
1209	N	NO VISIBLE GOLD										
1210	N	NO VISIBLE GOLD										
1211	N	NO VISIBLE GOLD										
1212	N	NO VISIBLE GOLD										
1213	N	NO VISIBLE GOLD										
1214	N	NO VISIBLE GOLD										
1215	N	NO VISIBLE GOLD										
1216	N	NO VISIBLE GOLD										
1217	N	NO VISIBLE GOLD										
1218	N	NO VISIBLE GOLD										
1219	N	NO VISIBLE GOLD										
1220	N	NO VISIBLE GOLD										
1221	N	NO VISIBLE GOLD										
1222	N	NO VISIBLE GOLD										
1223	N	NO VISIBLE GOLD										

		NUMBER OF AU GRAINS, TABLE OR PAN								NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL			
			T	P	T	P	T	P				
Hole K:												
1224	N	NO VISIBLE GOLD										
1225	N	100 X 100	20	C	1				1			
									1	10.3	146	
1226	N	NO VISIBLE GOLD										
1227	N	NO VISIBLE GOLD										
1228	N	NO VISIBLE GOLD										
1229	N	NO VISIBLE GOLD										
1230	N	NO VISIBLE GOLD										
1231	N	NO VISIBLE GOLD										
1232	N	NO VISIBLE GOLD										
1233	N	NO VISIBLE GOLD										
1234	N	NO VISIBLE GOLD										
1235	N	NO VISIBLE GOLD										
1236	N	NO VISIBLE GOLD										
1237	N	NO VISIBLE GOLD										
1238	N	NO VISIBLE GOLD										
1239	N	NO VISIBLE GOLD										
Hole L:												
1240	N	NO VISIBLE GOLD										
1241	N	NO VISIBLE GOLD										
1242	N	NO VISIBLE GOLD										
1243	N	NO VISIBLE GOLD										
1244	N	NO VISIBLE GOLD										
1245	N	NO VISIBLE GOLD										
1246	N	NO VISIBLE GOLD										
1247	N	NO VISIBLE GOLD										
1248	N	NO VISIBLE GOLD										
1249	N	50 X 100	15	C	1				1			
									1	6.8	94	
1250	N	NO VISIBLE GOLD										
1251	N	NO VISIBLE GOLD										
1252	N	NO VISIBLE GOLD										
1253	N	NO VISIBLE GOLD										
1254	N	NO VISIBLE GOLD										
1255	N	NO VISIBLE GOLD										
1256	N	NO VISIBLE GOLD										
1257	N	NO VISIBLE GOLD										
1258	N	NO VISIBLE GOLD										
1259	N	75 X 125	20	C	1				1			
									1	4.5	333	
1260	N	NO VISIBLE GOLD										
1261	N	NO VISIBLE GOLD										
1262	N	NO VISIBLE GOLD										
1263	N	NO VISIBLE GOLD										
1264	N	NO VISIBLE GOLD										
1265	N	NO VISIBLE GOLD										
Hole M:												
1266	N	NO VISIBLE GOLD										
1267	N	NO VISIBLE GOLD										
1268	N	NO VISIBLE GOLD										
1269	N	NO VISIBLE GOLD										
1270	N	NO VISIBLE GOLD										
1271	N	NO VISIBLE GOLD										
1272	N	NO VISIBLE GOLD										
1273	N	NO VISIBLE GOLD										
1274	N	NO VISIBLE GOLD										
1275	N	NO VISIBLE GOLD										
1276	N	NO VISIBLE GOLD										
1277	N	NO VISIBLE GOLD										
1278	N	NO VISIBLE GOLD										
1279	N	NO VISIBLE GOLD										
1280	N	NO VISIBLE GOLD										
1281	N	NO VISIBLE GOLD										

NUMBER OF AU GRAINS, TABLE OR PAN											NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE TOTAL						
			T	P	T	P	T	P					
1282	N	NO VISIBLE GOLD											
1283	N	NO VISIBLE GOLD											
1284	N	NO VISIBLE GOLD											
1285	N	NO VISIBLE GOLD											
1286	N	NO VISIBLE GOLD											
1287	N	NO VISIBLE GOLD											
1288	N	NO VISIBLE GOLD											
Hole N:													
1289	N	NO VISIBLE GOLD											
1290	N	NO VISIBLE GOLD											
1291	N	NO VISIBLE GOLD											
1292	N	NO VISIBLE GOLD											
1293	N	175 X 175	34 C	1						1			
											1	7.2	1075
1294	N	NO VISIBLE GOLD											
1295	N	NO VISIBLE GOLD											
1296	N	NO VISIBLE GOLD											
1297	N	NO VISIBLE GOLD											
1298	N	NO VISIBLE GOLD											
1299	N	50 X 75	13 C					1		1			
											1	4.0	93
1300	N	NO VISIBLE GOLD											
1301	N	NO VISIBLE GOLD											
1302	N	NO VISIBLE GOLD											
Hole O:													
8068	N	NO VISIBLE GOLD											
8069	Y	25 X 50	8 C		1					1			TRACE PYRITE
		50 X 50	10 C	1						1			
		50 X 75	13 C	1						1			
											3	9.9	65
8070	N	NO VISIBLE GOLD											
8071	Y	25 X 50	8 C		1					1			~15% PYRITE
											1	10.5	8
8072	Y	25 X 25	5 C		1					1			~10% PYRITE
		50 X 50	10 C		1					1			
											2	12.5	17
8073	N	NO VISIBLE GOLD											
8074	N	75 X 125	20 C	1						1			
											1	11.6	129
8075	N	NO VISIBLE GOLD											
8076	N	NO VISIBLE GOLD											
8077	N	NO VISIBLE GOLD											
8078	N	NO VISIBLE GOLD											
8079	N	NO VISIBLE GOLD											
8080	N	NO VISIBLE GOLD											
8081	N	NO VISIBLE GOLD											
8082	N	NO VISIBLE GOLD											
8083	N	NO VISIBLE GOLD											
8084	N	NO VISIBLE GOLD											
8085	N	NO VISIBLE GOLD											
8086	N	NO VISIBLE GOLD											
8087	N	NO VISIBLE GOLD											
8088	N	NO VISIBLE GOLD											
8089	N	75 X 100	18 C	1						1			
											1	10.3	98
8090	N	NO VISIBLE GOLD											
8091	N	NO VISIBLE GOLD											
8092	N	NO VISIBLE GOLD											
8093	N	NO VISIBLE GOLD											
8094	N	NO VISIBLE GOLD											

				NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated		ABRADED T	P	IRREGULAR T	P	DELICATE T	TOTAL P			
8095	N	NO VISIBLE GOLD										
8096	N	NO VISIBLE GOLD										
8097	N	NO VISIBLE GOLD										
8098	N	NO VISIBLE GOLD										
8099	N	NO VISIBLE GOLD										
8100	N	NO VISIBLE GOLD										
8101	N	NO VISIBLE GOLD										
8102	N	75 X 100	18 C	1						1		
										1	14.2	71
8103	N	NO VISIBLE GOLD										
Hole P:												
8104	N	NO VISIBLE GOLD										
8105	N	NO VISIBLE GOLD										
8106	N	NO VISIBLE GOLD										
8107	N	NO VISIBLE GOLD										
8108	N	NO VISIBLE GOLD										
8109	N	225 X 300	48 C	1						1		
										1	11.1	2246
8110	N	25 X 25	5 C	1						1		
										1	8.9	3
8111	N	NO VISIBLE GOLD										
8112	N	NO VISIBLE GOLD										
8113	N	NO VISIBLE GOLD										
8114	N	NO VISIBLE GOLD										
8115	N	NO VISIBLE GOLD										
8116	N	NO VISIBLE GOLD										
8117	N	NO VISIBLE GOLD										
8118	N	NO VISIBLE GOLD										
8119	N	NO VISIBLE GOLD										
8120	N	NO VISIBLE GOLD										
8121	N	NO VISIBLE GOLD										
8122	N	NO VISIBLE GOLD										
8123	N	NO VISIBLE GOLD										
8124	N	NO VISIBLE GOLD										
8125	N	NO VISIBLE GOLD										
8126	N	NO VISIBLE GOLD										
8127	N	NO VISIBLE GOLD										
8128	N	NO VISIBLE GOLD										
8129	N	NO VISIBLE GOLD										
8130	N	NO VISIBLE GOLD										
8131	N	NO VISIBLE GOLD										
Hole Q:												
8132	N	NO VISIBLE GOLD										
8133	N	NO VISIBLE GOLD										
8134	N	NO VISIBLE GOLD										
8135	N	NO VISIBLE GOLD										
8136	N	NO VISIBLE GOLD										
8137	N	NO VISIBLE GOLD										
Hole R:												
8138	N	NO VISIBLE GOLD										
8139	N	NO VISIBLE GOLD										
8140	N	NO VISIBLE GOLD										
8141	N	NO VISIBLE GOLD										
8142	N	NO VISIBLE GOLD										
8143	N	NO VISIBLE GOLD										
8144	N	NO VISIBLE GOLD										
8145	N	NO VISIBLE GOLD										
8146	N	NO VISIBLE GOLD										
8147	N	NO VISIBLE GOLD										
8148	N	NO VISIBLE GOLD										
8149	N	NO VISIBLE GOLD										
8150	N	NO VISIBLE GOLD										
8151	N	NO VISIBLE GOLD										

NUMBER OF AU GRAINS, TABLE OR PAN											NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	ABRADED		IRREGULAR		DELICATE		TOTAL					
			T	P	T	P	T	P						
Hole S:														
8152	N	NO VISIBLE GOLD												
8153	N	NO VISIBLE GOLD												
8154	N	NO VISIBLE GOLD												
8155	N	150 X 150	29 C	1						1				
											1	7.6	649	
8156	N	NO VISIBLE GOLD												
8157	N	NO VISIBLE GOLD												
8158	N	NO VISIBLE GOLD												
8159	N	NO VISIBLE GOLD												
Hole T:														
8160	N	NO VISIBLE GOLD												
8173	N	NO VISIBLE GOLD												
8174	N	NO VISIBLE GOLD												
8175	N	NO VISIBLE GOLD												
8176	Y	25 X 25	5 C		1					1			NO SULPHIDES	
		25 X 50	8 C	1	1					2				
		75 X 75	15 C	1						1				
											4	12.3	67	
8177	N	NO VISIBLE GOLD												
8178	N	NO VISIBLE GOLD												
8179	N	NO VISIBLE GOLD												
8180	N	NO VISIBLE GOLD												
8181	N	NO VISIBLE GOLD												
8182	N	NO VISIBLE GOLD												
8183	N	NO VISIBLE GOLD												
8184	N	NO VISIBLE GOLD												
8185	N	NO VISIBLE GOLD												
8186	N	NO VISIBLE GOLD												
8187	N	NO VISIBLE GOLD												
8188	N	NO VISIBLE GOLD												
8189	N	NO VISIBLE GOLD												
8190	N	NO VISIBLE GOLD												
8191	N	NO VISIBLE GOLD												
8192	N	NO VISIBLE GOLD												
8193	N	NO VISIBLE GOLD												
8194	N	NO VISIBLE GOLD												
8195	N	NO VISIBLE GOLD												
8196	N	NO VISIBLE GOLD												
8197	N	NO VISIBLE GOLD												
8198	N	75 X 100	18 C	1						1				
											1	4.7	215	
8199	N	NO VISIBLE GOLD												
8200	Y	50 X 50	10 C	1	1					2			~3% PYRITE	
		50 X 75	13 C		1					1				
		50 X 100	15 C					1		1				
		75 X 100	18 C		1					1				
		100 X 100	20 C	1						1				
											6	25.9	151	
8201	N	NO VISIBLE GOLD												
Glaciofluvial sand from pits in eskers; oxidized:														
900	N	NO VISIBLE GOLD												
901	N	NO VISIBLE GOLD												
902	N	NO VISIBLE GOLD												
903	N	100 X 150	25 C	1						1				
											1	16.2	179	
904	N	NO VISIBLE GOLD												
905	N	NO VISIBLE GOLD												
906	N	NO VISIBLE GOLD												
907	N	NO VISIBLE GOLD												

PANNED Y/N	GRAIN DIAMETER microns	THICKNESS c=calculated	NUMBER OF AU GRAINS, TABLE OR PAN						NONMAG CONC. WEIGHT g	PREDICTED ASSAY ppb	REMARKS	
			ABRADED		IRREGULAR		DELICATE					TOTAL
			T	P	T	P	T	P				
908	N	NO VISIBLE GOLD										
909	N	NO VISIBLE GOLD										
910	Y	50 X 75 100 X 125	13 C 22 C	1 1					2 1		NO SULPHIDES	
									3	36.6	78	
911	N	NO VISIBLE GOLD										
912	N	NO VISIBLE GOLD										
913	N	NO VISIBLE GOLD										
914	N	NO VISIBLE GOLD										
915	N	NO VISIBLE GOLD										
916	N	NO VISIBLE GOLD										
917	N	NO VISIBLE GOLD										
918	N	NO VISIBLE GOLD										
919	N	NO VISIBLE GOLD										
920	N	NO VISIBLE GOLD										
921	N	NO VISIBLE GOLD										
922	N	NO VISIBLE GOLD										
923	Y	125 X 150 150 X 250	27 C 38 C	1 1					1 1		NO SULPHIDES	
									2	25.1	607	
924	N	NO VISIBLE GOLD										
925	N	NO VISIBLE GOLD										
926	N	NO VISIBLE GOLD										
927	N	NO VISIBLE GOLD										
928	N	NO VISIBLE GOLD										
929	N	NO VISIBLE GOLD										
930	N	NO VISIBLE GOLD										
931	N	NO VISIBLE GOLD										
932	N	NO VISIBLE GOLD										
933	N	NO VISIBLE GOLD										
934	N	NO VISIBLE GOLD										
935	N	NO VISIBLE GOLD										

Appendix 7

Electron Microprobe Analysis of Visible Gold

Geochemistry of visible gold from Beardmore-Geraldton area mines; weight percent.

Location	Au	Ag	Hg	Te	Cu	Sb	Fe	Total	Fineness
Hardrock Mine	88.6	10.1	0.40						
Hardrock Mine	97.1	3.1							
	98.4	2.9							
	97.6	2.3							
	97.1	2.2							
	95.9	4.2							
Mean:	97.2	2.9							971
Little Longlac Mine	92.9	7.8	0.00	0.01	0.00	0.07	0.04	100.78	
	92.6	7.8	0.00	0.16	0.00	0.00	0.04	100.61	
	92.6	7.7	0.00	0.08	0.00	0.05	0.07	100.47	
	93.4	7.5	0.00	0.00	0.00	0.03	0.03	100.92	
	93.3	7.6	0.00	0.02	0.00	0.00	0.20	101.18	
Mean:	93.0	7.7	<0.02	<0.15	<0.05	<0.05	0.08		924
Crooked Green #2 Zone	88.4	11.3	0.00	0.08	0.00	0.06	0.06	99.83	887
Crooked Green #2 Zone	96.6	3.5	0.00	0.04	0.35	0.09	0.03	100.62	
	96.6	3.7	0.00	0.07	0.40	0.00	0.01	100.82	
	94.8	3.5	0.00	0.09	0.35	0.02	0.01	98.79	
Mean:	96.0	3.6	<0.02	<0.15	0.37	<0.05	<0.05		964
Leitch Mine	98.7	0.8	0.00	0.09	0.00	0.07	0.02	99.68	
	99.0	1.1	0.00	0.11	0.00	0.05	0.04	100.33	
	98.9	0.7	0.17	0.06	0.00	0.07	0.02	99.96	
	98.6	0.9	0.00	0.04	0.00	0.08	0.04	99.68	
Mean:	98.8	0.9	0.04	<0.15	<0.05	0.07	<0.05		991
Consolidated Louanna	85.5	13.7	0.00	0.12	0.00	0.03	0.00	99.34	
	85.7	13.9	0.00	0.11	0.00	0.00	0.00	99.63	
	85.8	14.1	0.01	0.01	0.00	0.01	0.04	100.03	
	86.4	14.5	0.07	0.09	0.00	0.03	0.04	101.08	
	84.9	14.5	0.00	0.08	0.00	0.03	0.07	99.58	
Mean:	85.7	14.1	0.02	<0.15	<0.05	<0.05	<0.05		858
Sturgeon River Mine	81.7	18.7	0.00	0.09	0.00	0.02	0.06	100.59	
	80.7	20.3	0.00	0.02	0.00	0.01	0.12	101.19	
	81.0	17.6	0.08	0.12	0.00	0.06	0.04	98.90	
	81.3	18.4	0.00	0.09	0.00	0.00	0.04	99.80	
	80.4	18.1	0.00	0.08	0.00	0.05	0.03	98.67	
Mean:	81.0	18.6	0.02	<0.15	<0.05	<0.05	0.06		813

Geochemistry of visible gold grains; raw data; weight percent.

Location	Au	Ag	Hg	Te	Cu	Sb	Fe	Total	Fineness
9	78.5	21.6	0.46	0.03	0.00	0.05	0.06	100.73	784
	76.6	21.7	0.13	0.19	0.00	0.00	0.01	98.64	779
	77.7	21.7	0.35	0.06	0.00	0.00	0.06	99.94	782
	77.7	21.8	0.46	0.02	0.00	0.01	0.01	100.06	781
40	93.8	6.6	0.00	0.06	0.00	0.07	0.06	100.58	934
	92.4	6.5	0.24	0.09	0.00	0.06	0.03	99.33	934
	93.8	6.8	0.00	0.10	0.00	0.00	0.02	100.75	932
	95.5	5.4	0.08	0.14	0.00	0.00	0.03	101.20	946
76	98.8	0.1	0.00	0.05	0.00	0.06	0.04	99.10	999
93	96.8	4.2	0.00	0.02	0.00	0.00	0.04	101.01	958
	96.7	4.0	0.00	0.03	0.00	0.07	0.00	100.74	961
	96.2	4.3	0.17	0.03	0.00	0.00	0.04	100.68	957
98	82.3	17.4	0.04	0.01	0.00	0.03	0.04	99.84	825
	81.7	17.3	0.00	0.05	0.00	0.05	0.00	99.15	825
	82.5	17.4	0.00	0.11	0.00	0.07	0.05	100.09	826
240	84.6	15.2	0.00	0.10	0.00	0.04	0.01	99.95	847
	85.1	15.5	0.07	0.14	0.00	0.08	0.04	100.96	846
412	94.7	5.8	0.13	0.07	0.00	0.02	0.02	100.72	942
	94.6	5.8	0.09	0.00	0.00	0.05	0.02	100.53	943
	95.5	5.9	0.00	0.12	0.00	0.04	0.01	101.60	942
437	101.9	0.6	0.00	0.00	0.00	0.01	0.02	102.49	994
608	76.1	23.1	0.00	0.04	0.00	0.05	0.02	99.28	767
	75.8	22.6	0.04	0.09	0.00	0.00	0.04	98.55	770
	76.9	23.1	0.00	0.06	0.00	0.00	0.04	100.06	769
608	81.5	19.6	0.00	0.05	0.00	0.03	0.02	101.17	806
	79.5	19.7	0.00	0.05	0.00	0.02	0.04	99.27	801
	80.7	19.8	0.06	0.05	0.00	0.00	0.01	100.60	803
608	83.9	16.2	0.00	0.06	0.00	0.10	0.03	100.24	838
	84.4	16.4	0.00	0.13	0.00	0.00	0.02	100.95	837
	83.9	16.4	0.00	0.08	0.00	0.05	0.03	100.51	836
	84.5	16.2	0.00	0.09	0.00	0.09	0.05	100.94	839
608	81.6	18.2	0.00	0.14	0.00	0.09	0.04	99.99	818
	84.6	15.1	0.00	0.09	0.00	0.01	0.05	99.91	848
	84.0	16.5	0.00	0.12	0.00	0.00	0.02	100.68	836
	78.3	22.0	0.06	0.13	0.00	0.06	0.02	100.58	780
608	81.1	19.1	0.00	0.11	0.00	0.04	0.01	100.37	810
	81.3	18.7	0.00	0.08	0.00	0.05	0.00	100.14	813
	81.4	19.2	0.00	0.08	0.00	0.10	0.02	100.74	810
608	85.5	15.4	0.00	0.06	0.00	0.07	0.04	101.07	847
	85.8	15.0	0.12	0.04	0.00	0.01	0.01	100.98	851
	84.6	15.4	0.00	0.04	0.00	0.10	0.00	100.14	846
608	87.8	13.1	0.00	0.06	0.00	0.06	0.01	101.02	870
	85.4	15.8	0.12	0.10	0.00	0.04	0.02	101.47	844
	89.0	11.4	0.00	0.07	0.00	0.05	0.02	100.56	887
609	72.5	27.0	0.30	0.03	0.00	0.00	0.02	99.82	729
	73.2	26.9	0.16	0.04	0.00	0.00	0.03	100.36	731
	73.8	26.8	0.13	0.19	0.00	0.05	0.07	101.04	734
609	87.9	12.6	0.01	0.05	0.00	0.00	0.05	100.56	875
	90.2	10.5	0.21	0.13	0.00	0.02	0.02	101.04	896
612	83.8	15.8	0.16	0.01	0.00	0.02	0.00	99.80	841
	82.8	17.2	0.00	0.07	0.00	0.00	0.04	100.12	828
	83.1	16.0	0.01	0.04	0.00	0.01	0.00	99.17	839

Geochemistry of visible gold grains; raw data.

Location		Au	Ag	Hg	Te	Cu	Sb	Fe	Total	Fineness
625		96.5	2.7	0.01	0.10	0.00	0.10	0.03	99.53	972
626	core	56.4	30.6	13.35	0.10	0.00	0.00	0.03	100.51	649
	core	54.8	30.4	13.12	0.11	0.00	0.00	0.01	98.43	643
	rim	87.0	8.6	0.29	0.03	0.00	0.04	0.04	96.05	910
629		78.1	21.3	0.28	0.13	0.00	0.05	0.04	99.97	785
		76.8	21.3	0.15	0.08	0.00	0.00	0.01	98.42	783
		77.4	21.3	0.35	0.08	0.00	0.00	0.02	99.16	784
630		87.9	11.3	0.22	0.06	0.00	0.00	0.01	99.42	886
		86.3	11.5	0.00	0.06	0.00	0.06	0.02	97.95	882
		86.6	11.3	0.14	0.10	0.00	0.03	0.01	98.15	885
635		81.8	17.0	0.02	0.02	0.00	0.04	0.03	98.86	828
		81.0	17.7	0.13	0.03	0.00	0.09	0.05	99.00	821
635		64.6	34.9	0.17	0.03	0.00	0.00	0.01	99.70	649
		63.6	34.1	0.00	0.15	0.00	0.02	0.03	97.84	651
635		88.1	10.1	0.00	0.04	0.00	0.04	0.02	98.28	898
		88.4	9.9	0.00	0.11	0.00	0.04	0.03	98.48	899
		88.2	9.9	0.09	0.02	0.00	0.06	0.03	98.32	899
635		84.0	14.7	0.07	0.02	0.00	0.05	0.02	98.91	851
		83.9	14.8	0.00	0.05	0.00	0.04	0.01	98.80	850
635		55.2	45.8	0.41	0.14	0.00	0.00	0.00	101.58	546
		68.7	31.1	0.00	0.10	0.00	0.04	0.03	99.93	689
		41.7	57.8	0.08	0.18	0.00	0.00	0.01	99.77	419
635		77.1	22.9	0.19	0.10	0.00	0.07	0.02	100.38	771
		76.8	22.7	0.00	0.13	0.00	0.00	0.01	99.62	772
		78.1	22.8	0.05	0.04	0.00	0.00	0.03	101.04	774
636		71.4	29.4	0.00	0.18	0.00	0.02	0.05	100.98	708
		72.0	28.4	0.00	0.09	0.00	0.03	0.02	100.45	717
		70.0	30.4	0.16	0.11	0.00	0.00	0.01	100.70	697
652		88.3	12.6	0.00	0.06	0.03	0.07	0.03	101.14	875
653	core	73.7	14.3	0.00	0.06	0.00	0.00	4.58	92.65	838
	rim	83.6	16.1	0.00	0.14	0.00	0.00	0.13	99.98	838
653		85.6	14.5	0.00	0.06	0.00	0.01	0.02	100.21	855
		85.6	14.9	0.10	0.02	0.00	0.00	0.00	100.58	852
		84.5	14.7	0.00	0.06	0.00	0.00	0.03	99.33	852
662		86.0	10.9	3.50	0.03	0.00	0.00	0.06	100.48	888
		86.2	10.8	3.64	0.05	0.00	0.01	0.00	100.64	889
		87.1	10.6	3.38	0.07	0.00	0.04	0.04	101.27	891
662		100.6	0.6	0.00	0.04	0.02	0.09	0.04	101.39	994
		100.3	0.6	0.00	0.08	0.04	0.04	0.01	101.03	994
		98.8	0.7	0.00	0.01	0.05	0.10	0.05	99.71	993
674		100.1	0.0	0.00	0.14	0.00	0.00	0.00	100.27	1000
		100.6	0.1	0.00	0.04	0.00	0.06	0.02	100.81	999
676	dark	93.9	5.7	0.24	0.03	0.00	0.03	0.04	99.99	943
	dark	77.1	21.2	0.73	0.09	0.00	0.04	0.00	99.21	784
	light	80.4	13.3	6.74	0.03	0.00	0.03	0.05	100.56	858
	light	79.7	14.5	7.25	0.06	0.00	0.10	0.01	101.62	846
	light	76.7	16.4	6.98	0.03	0.00	0.00	0.03	100.12	824
692		101.8	0.2	0.00	0.14	0.00	0.09	0.01	102.28	998
		100.9	0.1	0.02	0.09	0.08	0.08	0.03	101.31	999

Geochemistry of visible gold grains; raw data.

Location	Au	Ag	Hg	Te	Cu	Sb	Fe	Total	Fineness
903	97.6	3.2	0.31	0.03	0.00	0.07	0.05	101.25	969
	97.7	3.1	0.00	0.03	0.00	0.02	0.04	100.84	970
910	100.2	0.9	0.22	0.06	0.00	0.10	0.03	101.47	992
	99.2	0.3	0.00	0.08	0.00	0.01	0.05	99.66	997
	100.2	0.9	0.00	0.09	0.00	0.05	0.05	101.31	991
923	95.6	4.8	0.00	0.02	0.00	0.02	0.00	100.46	952
	95.7	4.6	0.00	0.09	0.00	0.07	0.02	100.41	954
	95.6	4.6	0.00	0.10	0.00	0.01	0.05	100.32	954
923	89.7	12.0	0.22	0.04	0.00	0.01	0.03	102.02	882
	88.8	11.9	0.00	0.05	0.00	0.00	0.01	100.75	882
	88.6	12.0	0.00	0.12	0.00	0.13	0.00	100.78	881
1050	99.6	0.5	0.04	0.02	0.15	0.03	0.02	100.31	995
	101.7	0.3	0.24	0.06	0.16	0.00	0.00	102.41	997
1183	93.8	6.9	0.27	0.09	0.01	0.09	0.01	101.09	932
	92.9	6.9	0.33	0.08	0.00	0.05	0.05	100.31	931
	94.0	6.8	0.30	0.09	0.00	0.09	0.01	101.24	932
1185	92.4	6.9	0.28	0.09	0.04	0.10	0.02	99.86	930
	91.4	7.0	0.44	0.09	0.05	0.00	0.04	99.04	929
1185	95.9	3.8	0.14	0.06	0.00	0.06	0.06	100.03	962
1185	92.8	7.0	0.28	0.13	0.14	0.06	0.04	100.48	929
1185	96.9	4.1	0.00	0.07	0.00	0.13	0.01	101.21	960
	97.2	4.0	0.02	0.07	0.00	0.00	0.04	101.37	960
	96.7	3.9	0.06	0.02	0.00	0.00	0.02	100.69	961
1185	96.5	3.9	0.15	0.00	0.00	0.04	0.05	100.62	961
	96.1	3.8	0.31	0.00	0.00	0.03	0.02	100.32	962
	96.2	3.8	0.13	0.04	0.00	0.00	0.04	100.24	962
1185	95.9	3.7	0.08	0.12	0.00	0.09	0.02	99.89	963
	96.7	3.9	0.12	0.14	0.00	0.04	0.00	100.91	961
	95.6	4.0	0.00	0.00	0.00	0.03	0.04	99.69	960
1185	97.9	3.8	0.03	0.08	0.00	0.08	0.00	101.90	962
1196	93.9	6.9	0.40	0.04	0.00	0.09	0.03	101.34	932
	92.4	6.8	0.36	0.09	0.09	0.05	0.05	99.86	931
1293	98.7	1.9	0.00	0.00	0.01	0.02	0.00	100.63	982
	98.6	1.7	0.00	0.08	0.00	0.08	0.02	100.51	983
	100.6	1.9	0.04	0.06	0.00	0.08	0.01	102.72	981

Geochemistry of visible gold; normalized averages; weight percent.

Location		Au	Ag	Hg	Te	Cu	Sb	Fe	Total	Fineness	Elements with elevated values.
9	n=4	77.8	21.8	0.35	<0.15	<0.07	<0.07	<0.07	100.00	781	
40	n=4	93.4	6.3	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	937	
76	n=1	99.7	0.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	999	
93	n=3	95.8	4.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	959	
98	n=3	82.4	17.4	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	825	
240	n=2	84.5	15.3	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	847	
412	n=3	94.1	5.8	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	942	
437	n=1	99.4	0.6	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	994	
608	n=3	76.8	23.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	769	
608	n=3	80.3	19.6	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	804	
608	n=4	83.6	16.2	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	838	
608	n=4	81.9	17.9	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	821	
608	n=3	80.9	18.9	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	811	
608	n=3	84.7	15.2	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	848	
608	n=3	86.5	13.3	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	867	
609	n=3	72.9	26.8	0.20	<0.15	<0.07	<0.07	<0.07	100.00	731	Ag
609	n=2	88.3	11.4	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	885	
612	n=3	83.5	16.4	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	836	
625	n=1	97.0	2.8	<0.20	<0.15	<0.07	0.10	<0.07	100.00	972	
626	n=2	55.9	30.7	13.31	<0.15	<0.07	<0.07	<0.07	100.00	646	Ag, Hg
626	n=1	90.6	9.0	0.30	<0.15	<0.07	<0.07	<0.07	100.00	910	
629	n=3	78.1	21.5	0.26	<0.15	<0.07	<0.07	<0.07	100.00	784	
630	n=3	88.2	11.5	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	884	
635	n=2	82.3	17.5	<0.20	<0.15	<0.07	0.07	<0.07	100.00	824	
635	n=2	64.9	34.9	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	650	Ag
635	n=3	89.7	10.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	899	
635	n=2	84.9	14.9	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	851	
635	n=3	55.0	44.7	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	551	Ag
635	n=3	77.1	22.7	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	772	
636	n=3	70.6	29.2	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	708	Ag
652	n=1	87.3	12.5	<0.20	<0.15	<0.07	0.07	<0.07	100.00	875	
653	n=1	79.6	15.4	<0.20	<0.15	<0.07	<0.07	4.94	100.00	838	Fe
653	n=1	83.6	16.1	<0.20	<0.15	<0.07	<0.07	0.13	100.00	838	
653	n=3	85.2	14.7	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	853	
662	n=3	85.8	10.7	3.48	<0.15	<0.07	<0.07	<0.07	100.00	889	Hg
662	n=3	99.2	0.6	<0.20	<0.15	<0.07	0.07	<0.07	100.00	994	
674	n=2	99.8	0.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	999	
676	n=2	85.9	13.5	0.48	<0.15	<0.07	<0.07	<0.07	100.00	864	
676	n=3	78.3	14.6	6.94	<0.15	<0.07	<0.07	<0.07	100.00	843	Hg
692	n=2	99.6	0.2	<0.20	<0.15	<0.07	0.08	<0.07	100.00	998	
903	n=2	96.7	3.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	969	
910	n=3	99.0	0.7	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	993	
923	n=3	95.2	4.6	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	953	
923	n=3	88.0	11.8	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	882	
1050	n=2	99.3	0.4	<0.20	<0.15	0.15	<0.07	<0.07	100.00	996	Cu
1183	n=3	92.7	6.8	0.30	<0.15	<0.07	0.08	<0.07	100.00	932	
1185	n=2	92.4	7.0	0.36	<0.15	<0.07	<0.07	<0.07	100.00	930	
1185	n=1	95.9	3.8	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	962	
1185	n=1	92.3	7.0	0.28	<0.15	0.14	<0.07	<0.07	100.00	929	Cu
1185	n=3	95.9	4.0	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	960	
1185	n=3	95.9	3.8	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	962	
1185	n=3	95.9	3.9	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	961	
1185	n=1	96.1	3.8	<0.20	<0.15	<0.07	0.08	<0.07	100.00	962	
1196	n=2	92.6	6.8	0.38	<0.15	<0.07	0.07	<0.07	100.00	932	
1293	n=3	98.0	1.8	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	982	
Hardrock Mine	n=1	88.6	10.1	0.40						898	
Hardrock Mine	n=5	97.2	2.9							971	
Little Longlac Mine	n=5	92.2	7.6	<0.20	<0.15	<0.07	<0.07	0.08	100.00	924	
Crooked Green #2 Zone	n=1	88.5	11.3	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	887	
Crooked Green #2 Zone	n=3	95.9	3.6	<0.20	<0.15	0.37	<0.07	<0.07	100.00	964	Cu
Leitch Mine	n=4	98.9	0.9	<0.20	<0.15	<0.07	0.07	<0.07	100.00	991	
Consolidated Louanna	n=5	85.7	14.1	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	858	
Sturgeon River Mine	n=5	81.2	18.6	<0.20	<0.15	<0.07	<0.07	<0.07	100.00	813	

Appendix 8

Kimberlite Indicator Minerals

Microprobe analysis of visually selected garnets in 250-2000 micron heavy mineral fraction; till sample weight ~10kg.

Sample#	Colour	Weight per cent										Total	Mol. per cent end members						
		SiO2	Al2O3	TiO2	Fe2O3	Cr2O3	MgO	FeO	MnO	CaO	K2O		Almand	Feand	Tiand	Gross	Pyrop	Spess	Uvaro

1. Garnets typically derived from kimberlite:

Chrome Pyrope (Group 9; Dawson and Stephens, 1976):

404	purplish pink	42.10	20.71	0.28	0.36	3.18	20.27	7.98	0.44	4.69	0.00	100.01	15.2	0.9	0.7	4.6	69.0	0.9	8.6
433	strong purple	41.49	18.13	0.06	0.00	6.87	19.10	7.16	0.40	6.13	0.00	99.34	13.6	0.0	0.2	2.5	64.6	0.8	18.5
436	purple	41.72	19.14	0.40	0.39	4.69	19.95	7.73	0.46	5.03	0.02	99.53	14.7	1.0	1.0	2.5	67.4	0.9	12.6
667	purple	41.75	21.04	0.03	0.00	3.35	19.31	8.05	0.59	4.68	0.01	98.81	15.9	0.0	0.1	5.5	68.0	1.2	9.4
672	purple	42.35	20.49	0.08	0.00	4.51	19.51	7.32	0.49	4.75	0.01	99.51	14.4	0.0	0.2	3.5	68.4	1.0	12.6
676	purple	41.18	17.51	0.53	0.22	6.57	19.69	7.41	0.42	5.30	0.00	98.83	13.9	0.6	1.3	-0.2	66.0	0.8	17.5
695	purple	42.46	18.92	0.22	0.00	6.21	18.79	7.28	0.46	5.41	0.00	99.75	14.2	0.0	0.6	1.7	65.4	0.9	17.2
8012	purple	41.81	18.58	0.14		5.07	19.96	8.20	0.42	5.28		99.46							
8034	pale pinkish purple	41.89	19.87	0.05		4.23	20.33	7.99	0.52	4.95		99.82							
8041*	purple	42.12	19.50	0.10	0.75	5.03	20.40	6.86	0.38	5.32	0.00	100.46	12.9	1.9	0.3	2.4	68.4	0.7	13.4
8041*	purple	42.19	19.75	0.22	0.00	4.66	20.42	7.19	0.37	4.84	0.00	99.64	13.7	0.0	0.6	3.0	69.4	0.7	12.6
8043**	purple	41.31	18.83	0.03		5.24	18.37	8.67	0.54	6.43		99.42							
8045***	pale purple	41.55	16.30	0.11		8.30	19.49	7.57	0.47	6.15		99.94							
8045***	purple	41.76	18.40	0.27		5.08	21.19	7.48	0.36	4.70		99.24							
8149	purple	42.20	20.41	0.03		3.08	20.65	7.73	0.41	5.59		100.10							

2. Garnets which occur in kimberlite as well as other rocks:

Magnesian Almandine (Group 5; Dawson and Stephens, 1976):

279	pale orange	38.43	21.48	0.03	0.69	0.08	8.40	28.76	0.78	1.14	0.00	99.79	62.1	2.0	0.1	1.6	32.3	1.7	0.3
406	pale purple	38.15	21.41	0.03	0.28	0.05	7.86	28.83	1.21	1.20	0.01	99.03	63.0	0.8	0.1	2.6	30.6	2.7	0.2
408	pale orange	37.72	21.34	0.05	1.06	0.04	8.23	28.52	0.62	1.04	0.00	98.62	62.4	3.1	0.2	0.7	32.1	1.4	0.1
432	pale orange	37.98	21.39	0.04	0.25	0.10	8.20	28.49	0.83	1.12	0.01	98.41	62.5	0.8	0.1	2.4	32.1	1.9	0.3

3. Garnets not associated with kimberlite:

Almandine:

131	pale red	37.03	20.54	0.02	0.34	0.02	4.33	32.90	2.80	0.66	0.00	98.64	74.0	1.0	0.1	1.1	17.3	6.4	0.1
131	pale red	36.62	20.36	0.03	1.12	0.01	2.98	34.77	2.77	0.62	0.04	99.32	78.7	3.4	0.1	-0.6	12.0	6.4	0.0
136	pale orange	37.60	20.95	0.02	0.85	0.08	5.97	31.24	0.83	1.76	0.00	99.30	68.8	2.5	0.1	3.1	23.4	1.9	0.3
136	pale orange	37.72	20.89	0.01	0.65	0.02	6.25	31.04	0.70	1.71	0.02	99.01	68.4	1.9	0.0	3.5	24.6	1.6	0.1
311	pale orange	37.39	20.51	0.02	0.67	0.03	4.56	31.98	1.86	2.08	0.03	99.13	71.1	2.0	0.1	4.5	18.1	4.2	0.1
321	pale purple	37.48	20.77	0.01	0.40	0.09	5.14	31.80	3.13	0.56	0.00	99.38	70.6	1.2	0.1	0.6	20.3	7.0	0.3
321	pale purple	38.01	21.10	0.04	0.88	0.00	7.23	30.60	1.02	0.74	0.02	99.64	66.7	2.6	0.1	0.2	28.1	2.3	0.0
403	pale orange	37.93	20.93	0.03	0.18	0.04	5.32	31.92	0.86	2.39	0.01	99.61	70.2	0.5	0.1	6.2	20.9	1.9	0.1
666	very pale purple	37.29	18.39	0.01	0.17	0.89	7.80	29.09	0.35	0.89	0.04	94.92	64.7	0.5	0.1	0.3	30.9	0.8	2.8
675	purplish pink	37.57	20.92	0.03	0.00	0.04	5.12	33.28	0.94	0.82	0.00	98.72	74.9	0.0	0.1	2.2	20.5	2.1	0.2
675	purplish pink	37.28	20.74	0.03	0.40	0.03	5.25	33.20	0.92	0.88	0.00	98.73	74.0	1.2	0.1	1.6	20.9	2.1	0.1
694	orange	38.10	20.79	0.02	0.00	0.08	5.70	31.60	1.72	1.59	0.00	99.60	69.3	0.0	0.1	4.3	22.3	3.8	0.3
1169	purplish pink	37.27	20.72	0.03	0.17	0.06	4.03	33.69	1.98	1.32	0.00	99.27	75.4	0.5	0.1	3.3	16.1	4.5	0.2
1290	purplish pink	37.03	20.35	0.02	0.00	0.05	3.31	35.29	1.34	1.19	0.01	98.59	80.0	0.0	0.1	3.3	13.4	3.1	0.2
8016	orange	37.12	19.91	0.02		0.00	2.96	37.68	1.84	0.54		100.06							

Microprobe analysis of visually selected garnets in 250-2000 micron heavy mineral fraction; till sample weight ~10kg.

Sample#	Colour	Weight per cent										Mol. per cent end members							
		SiO2	Al2O3	TiO2	Fe2O3	Cr2O3	MgO	FeO	MnO	CaO	K2O	Total	Alman	Feand	Tiand	Gross	Pyrop	Spess	Uvaro
3. Garnets not associated with kimberlite, continued:																			
Calcic Almandine:																			
65	orange	37.77	19.77	0.11	1.67	0.03	4.34	23.59	1.92	9.33	0.00	98.53	51.2	4.9	0.3	22.4	16.8	4.2	0.1
141	red	37.32	19.74	0.13	1.93	0.00	2.81	24.57	4.05	8.63	0.01	99.19	53.8	5.7	0.4	20.2	11.0	9.0	0.0
142	red	37.01	19.52	0.10	2.08	0.00	2.34	30.24	1.17	6.75	0.03	99.24	66.9	6.2	0.3	14.8	9.2	2.6	0.0
201	red	37.15	19.74	0.09	0.93	0.01	0.44	29.38	0.62	10.63	0.02	99.01	65.5	2.8	0.3	28.3	1.7	1.4	0.1
275	red	36.84	19.72	0.03	1.44	0.00	0.77	29.81	3.38	7.40	0.00	99.39	66.6	4.3	0.1	18.2	3.1	7.7	0.0
429	red	36.48	20.08	0.02	1.16	0.01	2.05	34.09	0.70	4.03	0.01	98.63	77.2	3.6	0.1	9.2	8.3	1.6	0.1
604	red	36.58	18.77	0.08	2.51	0.08	1.04	31.26	0.37	8.06	0.00	98.75	69.4	7.5	0.2	17.6	4.1	0.8	0.2
677	orange	37.15	20.14	0.03	0.86	0.00	2.08	31.97	1.55	5.56	0.01	99.35	71.4	2.6	0.1	14.1	8.3	3.5	0.0
695	red	37.74	18.35	0.09	3.75	0.01	0.26	21.04	0.88	17.71	0.03	99.86	45.0	10.8	0.2	41.1	1.0	1.9	0.1
8041	red	37.02	19.36	0.05	3.37	0.01	3.48	32.79	0.26	3.91	0.01	100.26	71.6	9.9	0.2	4.2	13.6	0.6	0.1
8041	orange	38.80	20.89	0.10	1.54	0.00	6.85	25.01	1.01	6.45	0.01	100.66	52.9	4.4	0.3	14.4	25.9	2.2	0.0
Spessartine:																			
236	pale orange	36.78	20.16	0.22	0.95	0.04	2.06	27.80	8.76	2.91	0.03	99.71	62.3	2.9	0.7	5.9	8.2	19.9	0.1
272	red	36.08	19.28	0.23	0.00	0.04	1.05	15.20	24.64	0.92	0.02	97.46	35.1	0.0	0.7	2.1	4.3	57.6	0.1
308	pale purplish pink	35.93	19.76	0.10	0.17	0.02	1.45	26.49	13.39	0.31	0.02	97.64	61.4	0.5	0.3	0.3	6.0	31.4	0.1
699	orange	35.90	18.09	0.37	0.94	0.00	0.45	12.06	26.13	3.06	0.00	97.00	27.5	2.9	1.2	6.2	1.8	60.4	0.0
1221	brown	34.85	19.28	0.17		0.02	1.34	17.62	20.99	2.25		96.52							
8010	red	36.40	17.76	0.30		0.06	0.98	18.00	22.32	1.65		97.46							
8012	orange	36.86	19.33	0.00		0.02	1.04	22.00	19.60	0.98		99.83							
Grossular andradite:																			
664	orange	37.47	18.02	0.09	7.23	0.01	0.00	0.00	0.58	35.55	0.00	98.95	0.0	19.8	0.2	78.8	0.0	1.2	0.0

* grains obtained from a 97 kg bulk sample.

** no additional grains obtained from a 106kg bulk sample.

*** no additional grains obtained from a 79 kg bulk sample.

Microprobe analysis of visually selected ilmenite in 250-2000 micron heavy mineral fraction; till sample weight ~10kg.

Sample#	TiO2	Al2O3	Cr2O3	Fe2O3	FeO	MnO	MgO	NiO	CoO	V2O3	SiO2	CaO	Total	Ilmenite	Geikielite	Pyrophanite	Hematite	Eskolaite
Weight per cent														FeTiO3	MgTiO3	MnTiO3	Fe2O3	Cr2O3

1. Ilmenite possibly derived from kimberlite:

Magnesian ilmenite:

Mol. percent end members

7	53.13	0.22	2.61	5.79	24.63	0.32	12.66	0.13	0.04	0.30	0.03	0.02	99.88	48.0	43.9	0.7	5.1	2.4
44	52.41	0.22	2.40	7.01	26.07	0.35	11.48	0.15	0.01	0.40	0.00	0.03	100.53	50.9	40.0	0.7	6.2	2.2
62	51.66	0.21	2.80	7.39	26.53	0.36	10.88	0.12	0.05	0.46	0.04	0.02	100.52	52.1	38.1	0.7	6.5	2.6
119	52.53	0.10	3.61	6.84	24.08	0.46	12.64	0.21	0.04	0.41	0.02	0.01	100.95	46.4	43.4	0.9	5.9	3.3
125	51.77	0.17	2.74	7.30	26.76	0.32	10.77	0.16	0.04	0.41	0.00	0.02	100.46	52.6	37.8	0.7	6.4	2.6
129	51.76	0.16	2.95	7.77	27.00	0.33	10.69	0.13	0.06	0.47	0.02	0.03	101.37	52.6	37.2	0.7	6.8	2.7
215	49.98	0.12	3.19	9.87	26.28	0.43	10.12	0.12	0.04	0.51	0.05	0.01	100.72	51.8	35.6	0.9	8.8	3.0
253	50.22	0.15	3.65	9.07	26.14	0.33	10.32	0.14	0.04	0.44	0.00	0.00	100.50	51.6	36.3	0.7	8.0	3.4
277	50.07	0.14	3.59	8.96	26.78	0.35	9.94	0.11	0.05	0.48	0.00	0.02	100.49	52.9	35.1	0.7	8.0	3.4
319	54.27	0.35	2.56	4.67	25.27	0.31	12.93	0.14	0.06	0.38	0.00	0.03	100.97	48.6	44.4	0.6	4.1	2.3
423	50.88	1.15	2.13	7.77	24.61	0.31	11.86	0.14	0.03	0.47	0.47	0.03	99.85	48.6	41.8	0.6	6.9	2.0
444	54.27	0.41	2.71	0.25	28.98	0.31	10.86	0.20	0.05	0.29	0.05	0.02	98.40	57.9	38.7	0.6	0.2	2.6
447	52.89	0.18	2.85	6.94	25.06	0.38	12.35	0.14	0.06	0.44	0.03	0.01	101.33	48.3	42.4	0.8	6.0	2.6
674	49.86	0.09	1.67	10.47	29.09	0.35	8.59	0.05	0.08	0.43	0.03	0.01	100.72	57.9	30.5	0.7	9.4	1.6
1063	50.53	0.04	3.28	8.57	26.30	0.46	10.43	0.16	0.06	0.47	0.04	0.02	100.36	51.8	36.6	0.9	7.6	3.1
1245	52.50	0.33	2.85	6.02	25.71	0.29	11.83	0.16	0.05	0.48	0.05	0.01	100.28	50.3	41.3	0.6	5.3	2.6
1293	50.23	0.15	3.34	9.05	27.47	0.43	9.55	0.16	0.06	0.44	0.01	0.03	100.92	54.3	33.6	0.9	8.0	3.1
8041	51.20	0.26	2.35	8.25	26.66	0.34	10.49	0.15	0.06	0.49	0.01	0.03	100.29	52.7	37.0	0.7	7.4	2.2
8041*	49.43	0.11	4.28	10.13	25.07	0.38	10.35	0.17	0.28	0.51	0.01	0.03	100.75	49.7	36.5	0.8	9.0	4.0
8041*	51.01	0.28	2.34	8.06	26.54	0.35	10.57	0.13	0.04	0.48	0.03	0.00	99.83	52.6	37.3	0.7	7.2	2.2
8041*	51.26	0.24	2.35	8.02	26.67	0.31	10.68	0.13	0.06	0.47	0.07	0.01	100.27	52.6	37.5	0.6	7.1	2.2
8041*	50.92	0.28	2.42	9.01	25.55	0.33	11.00	0.10	0.06	0.49	0.00	0.01	100.17	50.4	38.7	0.7	8.0	2.3

2. Ilmenite not associated with kimberlite.

Ilmenite:

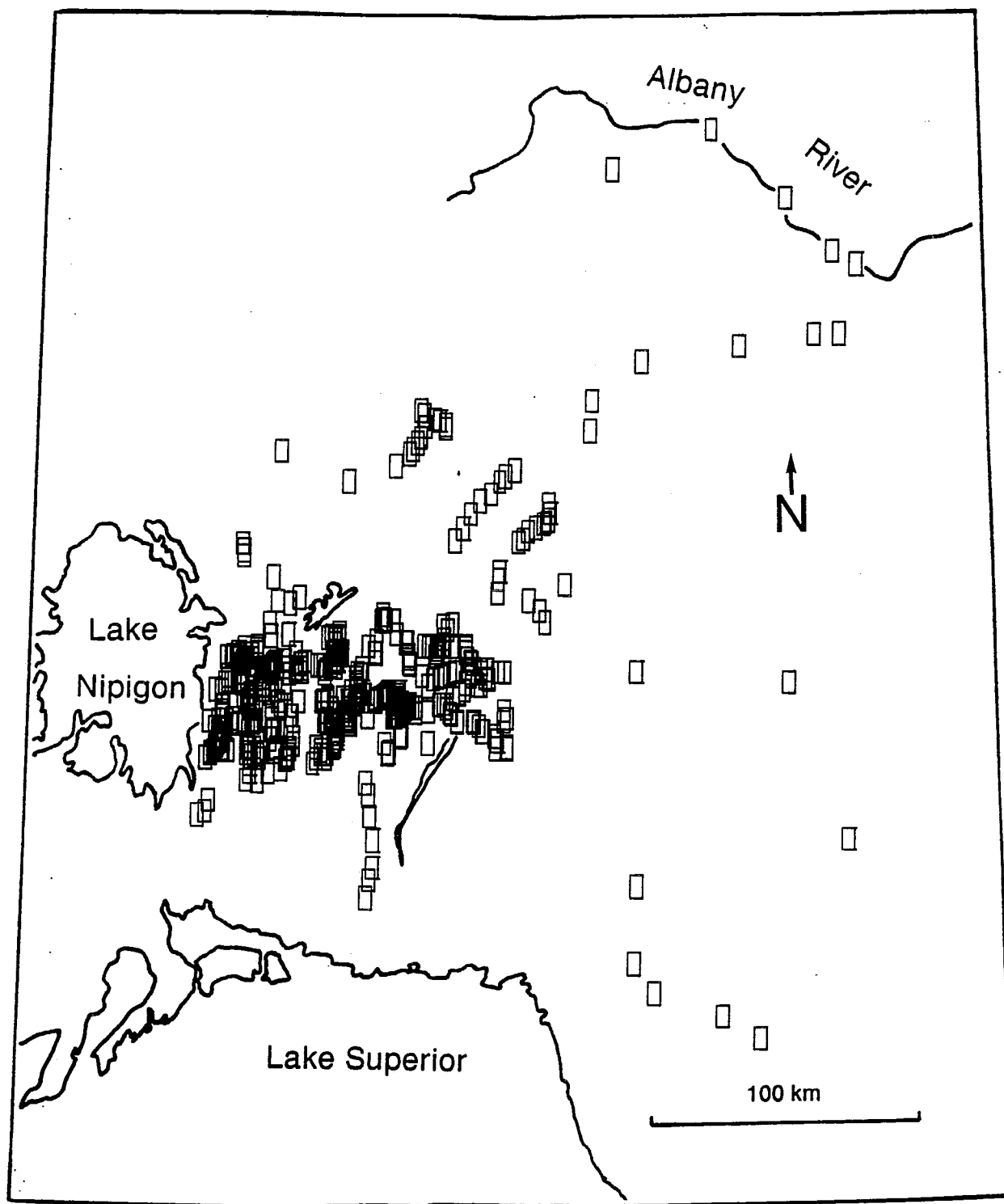
129	49.53	0.09	0.07	6.46	42.64	1.06	0.46	0.03	0.04	0.21	0.03	0.03	100.65	89.8	1.7	2.3	6.1	0.1
216	49.94	0.12	0.02	4.58	41.94	2.71	0.10	0.00	0.07	0.27	0.04	0.02	99.81	89.4	0.4	5.8	4.4	0.0
232	48.88	0.19	0.17	6.90	42.86	0.41	0.34	0.01	0.04	0.56	0.03	0.00	100.39	91.1	1.3	0.9	6.6	0.2
314	49.74	0.09	0.00	5.51	40.78	3.77	0.05	0.03	0.05	0.15	0.04	0.02	100.23	86.5	0.2	8.1	5.3	0.0
314	49.72	0.04	0.00	6.23	40.81	3.71	0.04	0.02	0.05	0.22	0.05	0.00	100.89	86.0	0.2	7.9	5.9	0.0
314	50.06	0.05	0.03	5.79	40.67	4.00	0.08	0.02	0.04	0.21	0.04	0.03	101.02	85.7	0.3	8.5	5.5	0.0
314	48.78	0.06	0.00	8.71	40.02	3.65	0.05	0.01	0.04	0.27	0.00	0.02	101.61	83.9	0.2	7.7	8.2	0.0
323	50.85	0.29	0.01	0.00	42.95	2.90	0.08	0.02	0.05	0.24	2.72	1.67	101.78	93.3	0.3	6.4	0.0	0.0
1200	49.22	0.02	0.02	6.57	42.12	1.87	0.12	0.00	0.05	0.14	0.04	0.01	100.18	89.2	0.5	4.0	6.3	0.0
1293	50.23	0.08	0.21	4.37	43.91	1.06	0.05	0.03	0.01	0.33	0.04	0.03	100.35	93.2	0.2	2.3	4.2	0.2
8063	50.26	0.44	0.03	4.07	42.67	2.14	0.26	0.01	0.02	0.23	0.01	0.01	100.15	90.5	1.0	4.6	3.9	0.0
8079	48.09	0.05	0.03	8.90	39.78	3.06	0.11	0.00	0.04	0.16	0.01	0.03	100.26	84.5	0.4	6.6	8.5	0.0

* grains obtained from a 97 kg bulk sample.

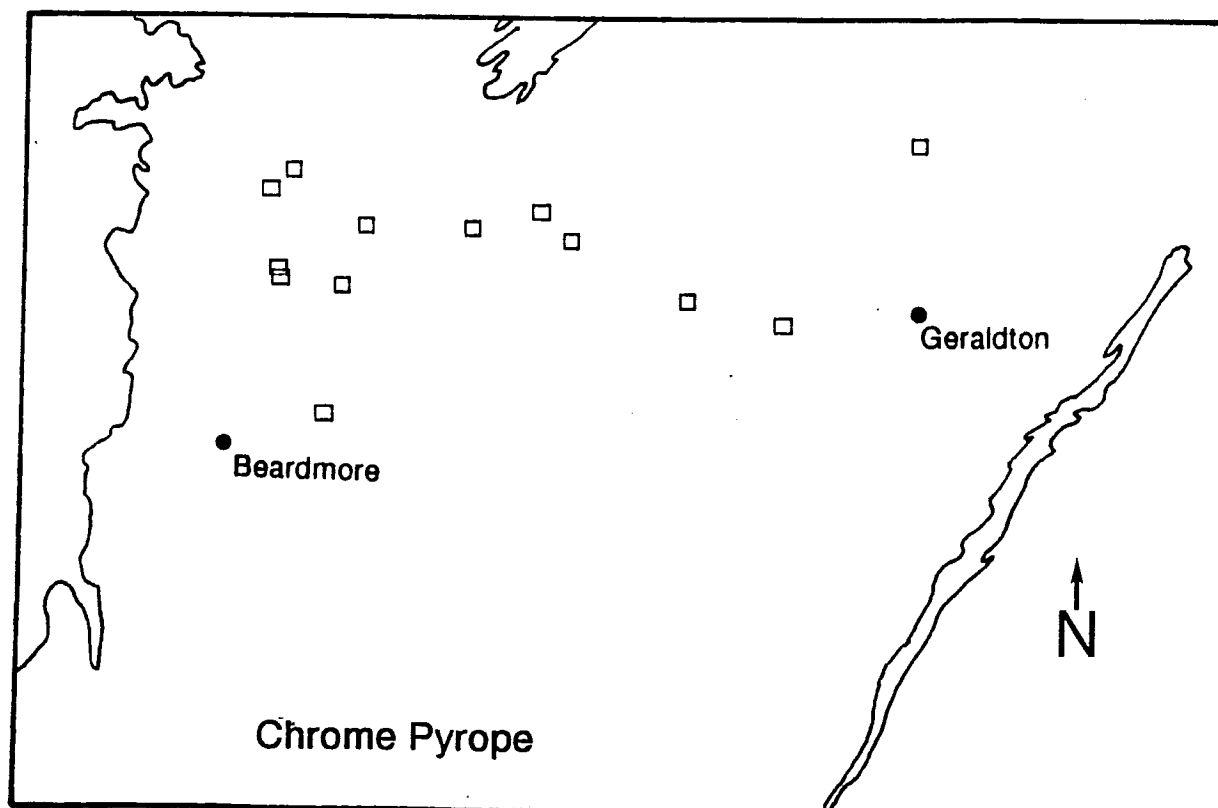
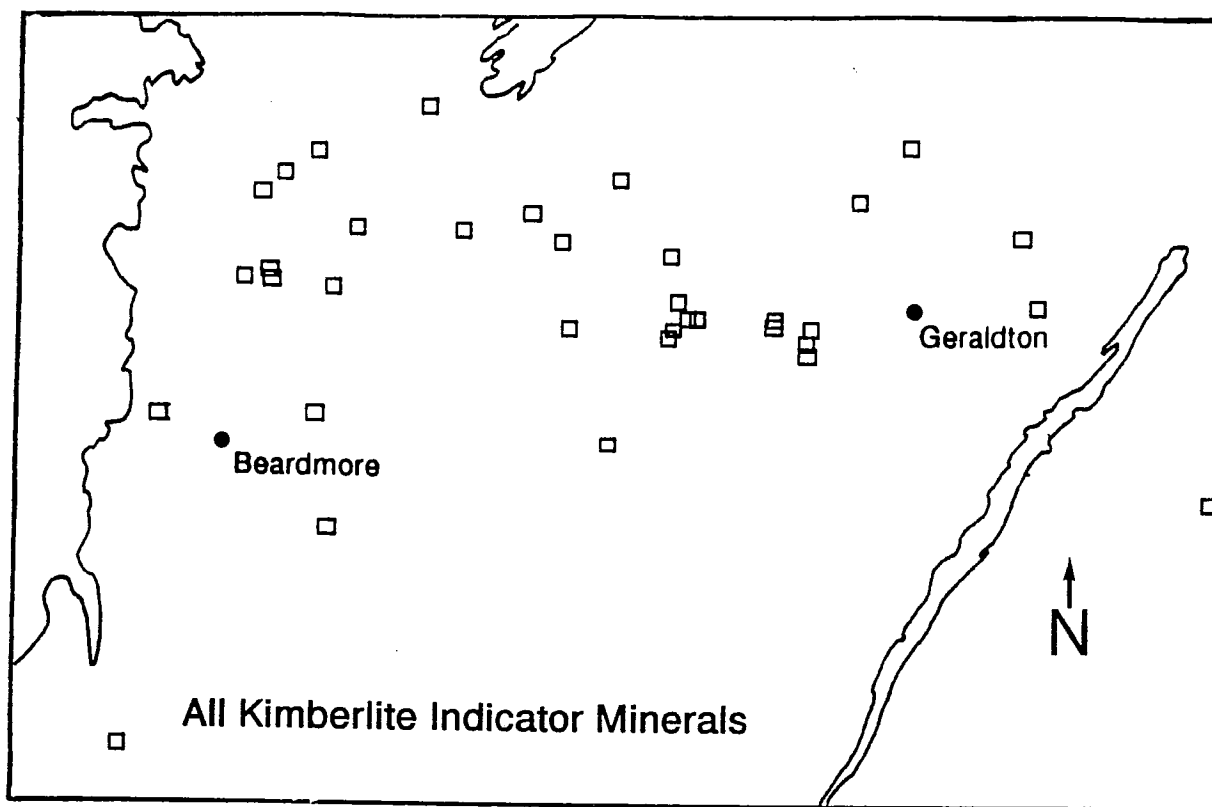
Microprobe analysis of emerald green diopside from 250-2000 micron heavy mineral fraction; till sample weight ~10kg.

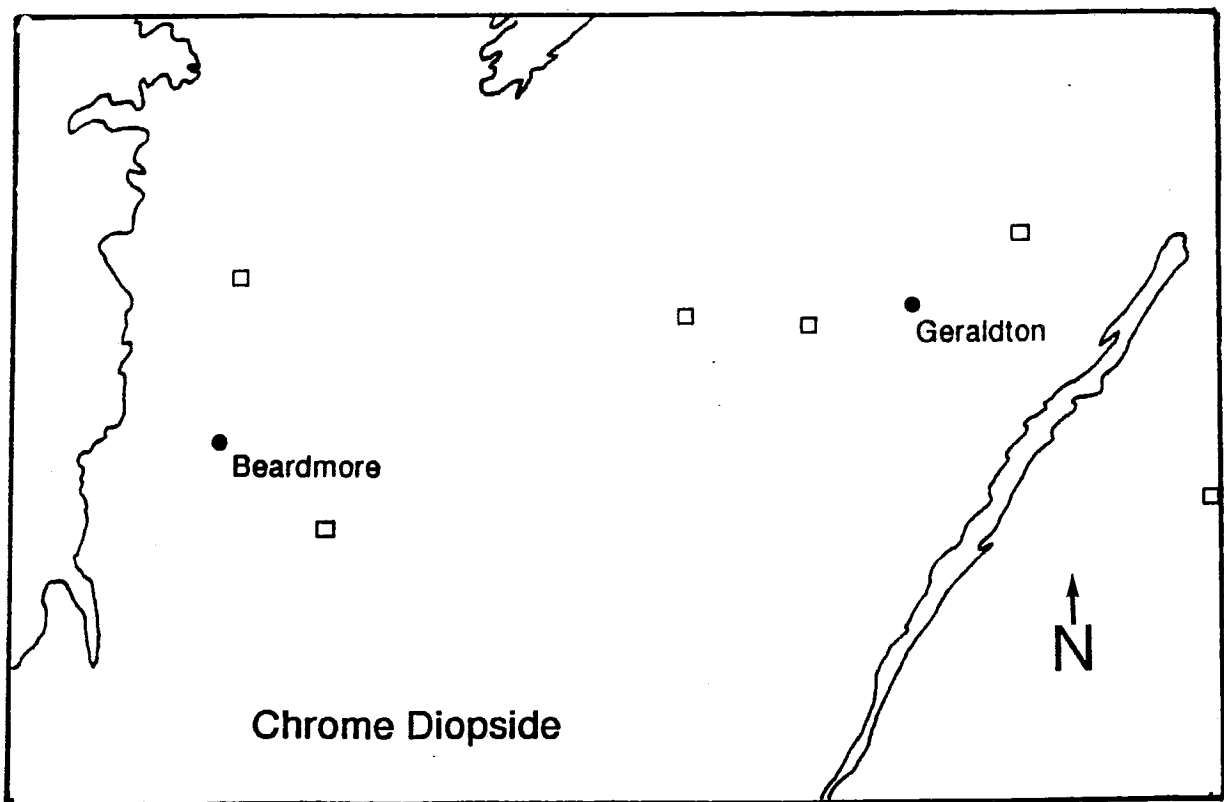
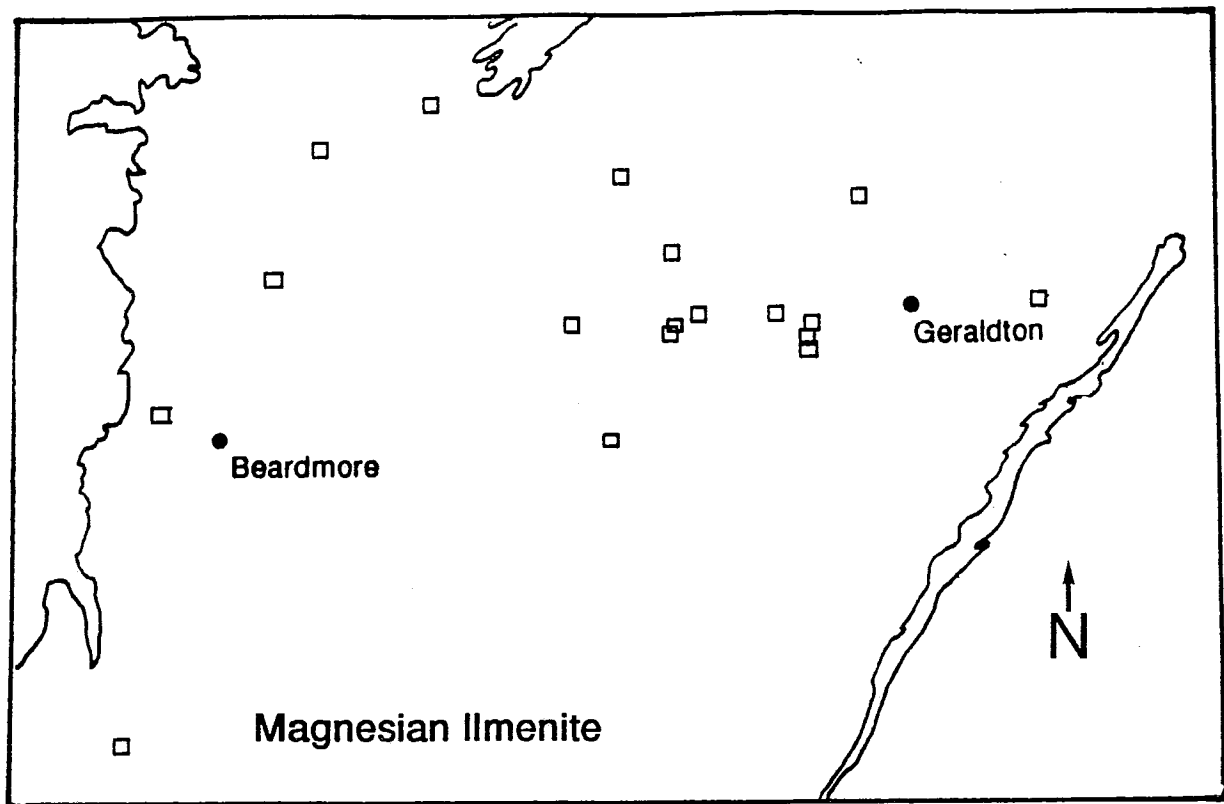
	SiO2	Al2O3	Fe2O3	TiO2	Cr2O3	MgO	FeO	MnO	CaO	Na2O	K2O	Total	Wollas-tonite	Enst-atite	Ferro-silite
Sample#	Weight per cent												Mol.% end members		
1. Diopside possibly derived from kimberlite:															
Chrome Diopside:															
65	53.64	1.27	0.00	0.04	1.13	15.93	2.59	0.11	22.70	0.65	0.01	98.07	48.31	47.18	4.50
301	54.01	0.84	0.00	0.13	0.89	17.41	2.96	0.08	22.12	0.34	0.01	98.79	45.41	49.74	4.85
1020	53.04	1.00	0.11	0.20	1.36	17.03	3.78	0.10	20.87	0.57	0.00	98.06	43.78	49.74	6.48
8042*	54.6	1.1		0.2	1.2	16.6	3.3	0.1	21.0	1.8	0.0	99.9			
Diopside with elevated chromium:															
704	53.52	0.99	0.00	0.09	0.50	13.73	5.38	0.25	23.18	0.70	0.02	98.36	49.65	40.95	9.40
1018	54.62	0.92	0.00	0.04	0.52	14.18	4.94	0.18	22.61	0.50	0.01	98.52	48.81	42.56	8.63
1248	53.2	2.1		0.1	0.6	15.9	4.8	0.1	23.5	0.5	0.0	100.8			
2. Diopside not associated with kimberlite:															
Diopside:															
313	53.94	0.76	0.00	0.04	0.10	13.10	6.83	0.33	22.85	0.72	0.02	98.69	48.96	39.08	11.96
444	54.09	0.78	0.00	0.05	0.25	15.25	3.79	0.18	24.17	0.48	0.01	99.05	49.84	43.75	6.41
612	53.24	0.80	0.00	0.06	0.29	13.53	5.86	0.40	23.26	0.63	0.00	98.07	49.50	40.06	10.44
612	54.18	0.82	0.22	0.02	0.27	15.05	4.31	0.16	22.88	0.87	0.01	98.79	48.20	44.11	7.70
662	53.84	0.58	0.00	0.00	0.12	13.98	5.80	0.21	23.39	0.65	0.02	98.59	49.21	40.91	9.87
667	53.54	1.08	0.11	0.02	0.18	15.13	5.21	0.16	22.46	0.67	0.00	98.56	47.01	44.07	8.92
676	53.60	0.75	0.00	0.05	0.14	13.25	6.59	0.19	23.07	0.71	0.00	98.35	49.28	39.42	11.30
678	54.08	1.03	0.00	0.02	0.35	15.04	4.01	0.20	23.25	0.76	0.01	98.75	48.99	44.10	6.91
694	54.42	0.68	0.00	0.04	0.41	15.31	3.98	0.16	23.22	0.68	0.00	98.90	48.62	44.60	6.77
695	53.05	0.89	0.00	0.05	0.09	13.42	6.98	0.25	22.96	0.58	0.00	98.27	48.56	39.51	11.93
704	54.10	0.82	0.00	0.07	0.03	14.09	5.60	0.15	23.30	0.69	0.02	98.87	49.15	41.38	9.47
704	53.31	1.00	0.00	0.05	0.15	13.92	6.39	0.23	22.73	0.59	0.01	98.38	48.11	41.00	10.89
704	54.06	0.50	0.00	0.03	0.16	14.52	4.52	0.16	23.90	0.57	0.00	98.42	50.05	42.30	7.65
705	52.96	1.09	0.21	0.05	0.22	13.92	5.49	0.25	23.53	0.53	0.03	98.28	49.50	40.72	9.78
1019	52.66	0.93	1.06	0.05	0.09	14.36	5.19	0.34	22.64	0.60	0.00	97.92	47.46	41.90	10.64
1023	54.23	0.74	0.00	0.06	0.43	14.86	4.56	0.17	23.24	0.82	0.00	99.11	48.81	43.46	7.74
1044	53.73	0.75	0.00	0.03	0.27	14.70	4.47	0.17	23.52	0.54	0.00	98.18	49.45	42.98	7.57
1071	53.81	0.65	0.00	0.05	0.12	14.88	4.21	0.13	23.97	0.44	0.03	98.29	49.90	43.07	7.03
1173	53.08	1.51	2.65	0.05	0.10	13.30	4.20	0.23	21.70	1.64	0.00	98.46	47.67	40.66	11.67
1248	53.4	1.5		0.0	0.3	15.0	6.4	0.2	22.5	0.7	0.0	100.0			
8041	53.67	1.15		0.07	0.28	16.92	6.38	0.22	19.73	0.60	0.00	99.01			

* no additional grains obtained from a 106 kg bulk sample.



Location of drift samples examined for kimberlite indicators.





Appendix 9

Geochemical Quality Control

Date & Report #	Au ppb	Pd ppb	Pt ppb	Al %	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
Standard GS1; trace elements: nitric/aqua regia partial leach - ICP; precious metals: fire assay - AFS.	15	2	5	1.54	<0.2	10	150	<2	0.57	<0.5	11	29	54	3.00	0.08	20	0.63	1021	0.01	21	720	10	5	19	0.08	44	<5	79
Partial Min	45	2	6	1.71	0.3	18	172	3	0.66	<0.5	13	33	59	3.39	0.10	29	0.70	1116	0.02	24	820	14	8	21	0.10	52	<5	89
Partial Max	164	2	10	1.87	0.8	30	200	8	0.73	<0.5	15	38	66	3.64	0.12	30	0.76	1216	0.03	26	960	20	15	25	0.13	59	5	97
30 March 88 8813281	44	2	5	1.54	<0.2	10	160	<2	0.59	<0.5	12	29	58	3.00	0.09	30	0.63	1028	0.02	21	730	12	5	20	0.08	45	<5	80
	36	2	5	1.62	<0.2	10	160	<2	0.61	<0.5	13	29	61	3.17	0.09	30	0.66	1072	0.02	23	760	12	5	20	0.09	47	<5	83
	32	2	5	1.70	<0.2	10	190	<2	0.64	<0.5	14	30	62	3.32	0.10	30	0.68	1109	0.02	24	780	12	5	23	0.11	51	<5	86
	32	2	5	1.77	<0.2	10	180	<2	0.66	<0.5	13	31	66	3.45	0.10	30	0.71	1153	0.02	24	810	14	5	23	0.10	53	<5	89
	20	2	5	1.72	<0.2	15	180	<2	0.64	<0.5	13	33	64	3.33	0.10	30	0.69	1118	0.02	23	790	10	5	23	0.10	52	<5	87
	28	2	10	1.55	<0.2	10	170	<2	0.57	<0.5	12	30	59	3.01	0.09	30	0.63	1021	0.02	22	720	14	5	21	0.08	47	<5	79
16 Jan 89 8910168	44	2	5	1.74	0.8	20	170	6	0.66	<0.5	14	32	57	3.49	0.11	30	0.71	1103	0.02	24	830	16	10	22	0.11	57	5	93
	32	2	5	1.66	0.8	25	170	8	0.63	<0.5	13	34	55	3.34	0.10	30	0.68	1068	0.01	22	820	16	5	21	0.09	53	5	88
	38	2	5	1.71	0.8	25	160	4	0.64	<0.5	14	34	55	3.38	0.11	30	0.69	1076	0.02	23	800	10	10	22	0.10	56	5	89
23 Feb 89 8911302	29			1.70	0.2	30	150	6	0.71	<0.5	15	32	55	3.34	0.11	30	0.69	1173	0.02	25	820	16	5	22	0.11	57	<5	88
	51			1.72	0.6	20	180	4	0.67	<0.5	13	35	59	3.43	0.10	30	0.71	1055	0.02	25	810	14	5	22	0.11	53	<5	91
	29			1.71	0.4	25	160	4	0.68	<0.5	13	34	59	3.34	0.10	30	0.71	1065	0.02	25	850	16	10	21	0.10	51	<5	89
	95			1.56	0.2	15	150	2	0.58	<0.5	12	29	54	3.19	0.08	30	0.65	1021	0.02	21	740	20	5	19	0.08	44	<5	84
26 Feb 89 8911303	55			1.79	<0.2	30	180	4	0.65	<0.5	13	33	62	3.62	0.09	30	0.71	1121	0.02	24	800	16	10	21	0.09	52	<5	91
	35			1.65	<0.2	20	160	<2	0.66	<0.5	14	31	57	3.39	0.09	30	0.69	1113	0.02	24	830	12	10	20	0.09	51	<5	88
26 Feb 89 8911547	15			1.77	<0.2	10	190	8	0.73	<0.5	11	36	60	3.51	0.11	30	0.73	1212	0.02	24	790	12	10	24	0.11	59	<5	93
	17			1.70	<0.2	20	170	4	0.71	<0.5	12	34	60	3.43	0.10	30	0.71	1198	0.02	24	770	14	15	23	0.10	57	<5	89
	32			1.70	0.2	15	170	<2	0.67	<0.5	15	33	58	3.43	0.10	30	0.70	1141	0.02	25	880	16	10	20	0.10	49	<5	90
	19			1.70	0.2	15	170	4	0.67	<0.5	15	31	56	3.35	0.09	30	0.70	1109	0.02	26	880	18	5	21	0.11	49	<5	89
	105			1.69	<0.2	20	170	6	0.66	<0.5	14	33	59	3.43	0.09	20	0.70	1136	0.02	22	900	16	10	19	0.10	48	<5	90
	19			1.80	0.2	25	190	4	0.69	<0.5	14	32	63	3.56	0.10	30	0.74	1177	0.02	25	960	16	10	20	0.10	49	<5	97
	110			1.69	0.4	20	170	<2	0.65	<0.5	14	36	58	3.45	0.10	20	0.70	1108	0.02	25	830	12	5	19	0.10	48	<5	90
	17			1.84	<0.2	20	200	2	0.70	<0.5	14	33	59	3.60	0.09	30	0.74	1096	0.02	24	850	16	10	20	0.12	51	<5	94
	34			1.75	0.6	15	170	4	0.70	<0.5	15	35	58	3.52	0.11	30	0.72	1216	0.02	24	860	16	10	24	0.12	57	<5	93
	164			1.87	0.6	10	170	4	0.72	<0.5	14	38	59	3.64	0.12	30	0.76	1213	0.03	26	890	14	5	25	0.13	55	<5	97
Standard GS1; trace elements: perchloric-nitric-hydrofluoric total leach - ICP; precious metals: fire assay - AFS.	16	<6	<15	5.90	<0.5	17	650	2	1.66	<0.5	10	56	50	4.01	1.40	1.14	1174	1.80	20	700	12			251	0.38	74	<10	96
Total Min	33	<6	<15	6.10	<0.5	19	767	6	1.77	<0.5	12	70	56	4.13	1.44	1.17	1239	1.85	25	793	18			259	0.42	79	<10	102
Total Max	60	<6	<15	6.43	<0.5	22	960	10	1.83	<0.5	14	150	70	4.30	1.48	1.24	1272	1.91	28	850	20			266	0.47	81	10	108
20 Feb 89 8911198	60	<6	<15	6.00	<0.5		870	<20	1.79	<5	10	150	50	4.30	1.43	1.17	1250	1.85	26	700	18			260	0.41	80	<100	104
	42	<6	<15	5.90	<0.5		900	<20	1.81	<5	10	60	50	4.01	1.42	1.14	1240	1.87	26	800	20			261	0.38	80	<100	108
	24	<6	<15	6.00	<0.5		960	<20	1.83	<5	10	60	70	4.08	1.47	1.17	1270	1.90	28	800	18			266	0.39	80	<100	108
1 March 89 8911304	37			6.12	<0.5	19	690	6	1.77	<0.5	14	62	61	4.04	1.45	1.15	1236	1.84	21	810	20			260	0.46	79	<10	100
	36			6.12	<0.5	17	680	2	1.66	<0.5	12	59	56	4.11	1.42	1.16	1174	1.82	20	760	18			256	0.45	74	<10	102
	16			6.31	<0.5	19	780	4	1.77	<0.5	14	61	56	4.26	1.47	1.22	1255	1.84	26	790	18			264	0.47	81	<10	102
	26			6.02	<0.5	20	650	4	1.75	<0.5	12	58	54	4.07	1.40	1.15	1221	1.80	27	790	18			251	0.40	79	<10	96
	25			6.03	<0.5	22	680	2	1.76	<0.5	12	56	52	4.03	1.42	1.15	1230	1.82	26	840	12			252	0.38	79	10	97
	29			6.43	<0.5	19	690	4	1.82	<0.5	10	60	56	4.24	1.48	1.24	1272	1.91	26	850	18			263	0.47	81	<10	105

N.B. Au variability in this standard is attributed to heterogeneity of the material.

Standard PHA; trace elements: nitric/aqua regia partial leach - ICP; precious metals: fire assay - AFS.

	Au ppb	Pd ppb	Pt ppb	Al % ppm	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca % ppm	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe % ppm	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm	
Min				3.29	<0.2	<5	200	<2	2.73	<0.5	17	71	36	4.08	0.70	10	1.73	521	0.42	48	1710	2	<5	48	0.16	64	<5	99	
Mean				3.46	0.2	5	211	<2	2.85	0.4	18	83	39	4.27	0.76	26	1.80	548	0.45	51	1846	10	<5	52	0.19	71	<5	102	
Max				3.62	0.4	15	230	2	3.00	0.5	20	160	41	4.41	0.85	50	1.96	583	0.49	54	1980	16	5	56	0.21	77	<5	107	
Report #																													
27 Oct 87 8720068				3.55	<0.2	<5	230	<2	2.78	0.5	19	81	39	4.39	0.83	20	1.79	556	0.45	52	1890	6	5	55	0.19	74	<5	103	
				3.45	<0.2	<5	220	<2	2.84	0.5	17	79	38	4.29	0.79	20	1.76	547	0.44	52	1800	2	<5	54	0.18	72	<5	101	
				3.36	<0.2	5	210	<2	2.78	<0.5	17	80	38	4.28	0.76	20	1.74	551	0.45	52	1830	12	<5	52	0.18	70	<5	101	
				3.29	<0.2	<5	210	<2	2.84	0.5	17	81	39	4.23	0.77	20	1.77	544	0.44	51	1820	12	<5	52	0.18	70	<5	107	
				3.45	<0.2	<5	210	<2	2.74	0.5	17	160	37	4.19	0.78	20	1.73	536	0.42	53	1710	6	<5	55	0.18	70	<5	102	
				3.55	<0.2	<5	220	<2	2.97	0.5	18	82	41	4.39	0.83	10	1.83	569	0.47	53	1980	4	<5	56	0.19	74	<5	104	
				3.39	<0.2	<5	210	<2	3.00	0.5	17	81	38	4.19	0.79	10	1.75	533	0.43	48	1720	4	<5	54	0.18	71	<5	99	
				3.62	<0.2	<5	220	<2	2.83	<0.5	18	82	39	4.30	0.85	20	1.79	548	0.45	54	1840	12	5	54	0.18	73	<5	102	
10 Dec 87 8725522				3.42	0.2	10	210	<2	2.84	<0.5	18	74	38	4.21	0.70	30	1.79	541	0.44	48	1820	14	<5	50	0.19	69	<5	100	
				3.58	0.2	5	210	<2	2.86	<0.5	19	78	40	4.35	0.75	30	1.86	554	0.46	50	1870	10	5	51	0.20	72	<5	102	
1 Dec 87 8726920				3.32	0.2	<5	200	<2	2.73	0.5	18	71	37	4.08	0.71	30	1.75	521	0.44	49	1760	16	<5	48	0.16	64	<5	99	
				3.47	0.4	<5	200	<2	2.96	<0.5	18	72	36	4.21	0.74	30	1.81	540	0.45	51	1820	10	<5	51	0.18	67	<5	103	
9 Dec 87 8727117				3.45	0.2	10	210	<2	2.82	<0.5	19	75	40	4.30	0.71	30	1.83	542	0.47	51	1900	10	5	50	0.19	70	<5	102	
				3.54	0.2	<5	210	<2	2.90	<0.5	19	77	41	4.36	0.73	30	1.84	553	0.46	50	1920	12	<5	51	0.20	71	<5	102	
				3.46	0.4	5	200	2	2.83	<0.5	18	76	38	4.22	0.71	30	1.82	547	0.46	52	1890	14	<5	49	0.18	66	<5	102	
25 Jan 88 8810527				3.58	0.2	15	220	<2	2.92	<0.5	20	84	40	4.41	0.75	50	1.96	583	0.49	54	1970	14	<5	54	0.19	77	<5	104	
9 Feb 88 8810972				3.36	0.2	5	200	<2	2.73	0.5	19	80	38	4.17	0.72	50	1.82	551	0.47	48	1850	6	<5	50	0.21	69	<5	107	
16 Dec 87 8726758	4	1	3																										
	4	1	3																										
8 Dec 87 8727112	4	1	3																										
	6	1	3																										
	4	1	3																										

Standard SBA; trace elements: nitric/aqua regia partial leach - ICP; precious metals: fire assay - AFS.

	Al % ppm	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
Min	2.63	<0.2	5	80	<2	0.07	<0.5	12	29	61	3.07	0.28	30	0.69	745	<0.01	28	490	10	<5	8	0.08	35	<5	86
Mean	3.03	0.2	19	92	<2	0.08	0.4	15	37	69	3.45	0.35	34	0.77	841	<0.01	34	538	18	<5	9	0.10	42	<5	97
Max	3.34	0.2	35	100	2	0.11	0.5	18	45	72	3.83	0.41	40	0.86	924	0.01	41	630	30	<5	10	0.12	49	10	114
Report #																									
9 Sept 87 8720066	2.89	<0.2	15	90	<2	0.08	0.5	16	37	67	3.47	0.34	30	0.75	838	<0.01	33	530	18	<5	9	0.09	38	<5	95
27 Oct 87 8720068	3.19	<0.2	15	100	<2	0.08	0.5	13	40	72	3.58	0.40	40	0.78	872	<0.01	37	530	14	<5	10	0.10	44	<5	100
	3.00	<0.2	5	100	<2	0.07	0.5	14	36	68	3.39	0.37	30	0.74	828	<0.01	36	510	16	<5	10	0.09	42	<5	93
	3.08	<0.2	20	100	<2	0.08	<0.5	14	37	68	3.40	0.39	30	0.74	831	<0.01	34	500	16	<5	10	0.09	42	<5	95
	3.12	<0.2	20	100	<2	0.08	0.5	13	37	71	3.42	0.41	30	0.75	832	<0.01	35	500	16	<5	10	0.10	43	<5	95
	3.08	<0.2	10	90	<2	0.07	0.5	15	34	70	3.40	0.34	30	0.76	824	0.01	30	510	10	<5	10	0.10	41	<5	97
	3.17	<0.2	10	100	<2	0.07	0.5	13	45	70	3.53	0.40	40	0.77	865	<0.01	37	520	18	<5	10	0.09	44	<5	98
27 Oct 87 8720405	2.96	0.2	35	90	<2	0.07	<0.5	15	37	66	3.26	0.35	30	0.74	782	<0.01	30	510	26	<5	9	0.09	38	5	92
	3.01	0.2	20	90	2	0.07	<0.5	17	37	70	3.44	0.33	30	0.75	834	0.01	32	500	14	<5	10	0.10	39	10	96
10 Dec 87 8725522	3.08	0.2	20	90	2	0.07	0.5	17	35	68	3.43	0.33	30	0.77	841	0.01	35	560	14	<5	9	0.10	41	<5	95
1 Dec 87 8726920	3.03	0.2	15	90	2	0.08	<0.5	16	32	65	3.27	0.34	30	0.74	792	0.01	32	520	12	<5	9	0.08	38	<5	93
	2.63	<0.2	20	80	<2	0.07	<0.5	14	29	61	3.07	0.28	30	0.69	745	0.01	28	490	16	<5	8	0.08	35	<5	86
25 Jan 88 8810527	2.85	<0.2	5	90	<2	0.11	0.5	13	35	66	3.30	0.31	30	0.76	792	0.01	30	530	12	<5	9	0.09	42	5	89
	3.08	0.2	30	90	<2	0.07	<0.5	16	38	71	3.51	0.33	40	0.81	887	0.01	34	540	28	<5	9	0.10	44	<5	98
	2.98	0.2	15	90	<2	0.08	0.5	16	38	69	3.41	0.33	30	0.79	855	0.01	34	530	18	<5	9	0.10	43	<5	95
9 Feb 88 8810972	3.14	0.2	20	100	<2	0.08	0.5	18	39	72	3.48	0.36	40	0.81	865	0.01	36	570	18	<5	10	0.11	42	<5	100
	2.80	0.2	15	80	<2	0.07	0.5	16	35	65	3.21	0.31	30	0.74	794	0.01	30	520	10	<5	8	0.10	38	<5	93
17 Jan 89 8910164	3.34	0.2	20	90	<2	0.08	<0.5	12	40	72	3.83	0.38	40	0.86	917	0.01	41	620	30	<5	10	0.12	49	<5	114
	3.03	0.2	35	90	<2	0.07	<0.5	15	40	69	3.75	0.33	40	0.83	908	0.01	36	630	26	<5	8	0.11	47	<5	109
	3.21	<0.2	30	90	<2	0.08	<0.5	16	40	71	3.83	0.35	40	0.85	924	0.01	38	630	24	<5	9	0.11	49	<5	113

Standard SBB; trace elements: nitric/aqua regia partial leach - ICP; precious metals: fire assay - AFS.

	Al % ppm	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sr ppm	Ti %	V ppm	W ppm	Zn ppm
Min	1.86	<0.2	10	50	10	0.18	<0.5	7	21	164	2.51	0.25	20	0.56	306	<0.01	12	630	16	<5	5	0.13	36	<5	73
Mean	1.97	<0.2	19	50	14	0.19	<0.5	9	24	170	2.61	0.28	29	0.59	323	<0.01	15	669	21	<5	6	0.14	39	32	75
Max	2.04	0.4	25	50	24	0.22	0.5	10	28	174	2.67	0.41	30	0.61	334	0.01	16	710	34	5	6	0.15	41	50	79
Report #																									
9 Sept 87 8720066	1.88	<0.2	20	50	12	0.18	0.5	9	23	170	2.65	0.26	30	0.58	320	<0.01	13	670	18	<5	6	0.13	36	50	74
27 Oct 87 8720068	1.99	<0.2	20	50	14	0.18	<0.5	9	21	168	2.57	0.41	30	0.59	316	0.01	14	630	20	<5	6	0.13	39	35	74
	1.86	<0.2	15	50	10	0.19	<0.5	9	25	167	2.54	0.25	30	0.56	316	<0.01	15	630	18	<5	6	0.13	38	20	73
	1.96	<0.2	15	50	12	0.20	<0.5	9	26	174	2.65	0.27	30	0.59	327	<0.01	16	670	20	<5	6	0.14	40	20	76
	1.98	<0.2	25	50	24	0.20	<0.5	9	24	173	2.67	0.28	30	0.60	333	<0.01	16	670	22	<5	6	0.14	41	20	75
	2.04	<0.2	25	50	12	0.19	<0.5	9	28	174	2.67	0.26	30	0.61	330	0.01	16	680	20	<5	6	0.14	40	40	79
27 Oct 87 8720405	2.03	<0.2	10	50	12	0.20	<0.5	10	26	169	2.59	0.28	30	0.61	317	0.01	14	680	16	<5	6	0.14	40	45	75
	1.91	0.2	15	50	10	0.18	<0.5	9	24	164	2.51	0.26	20	0.58	306	<0.01	12	670	16	5	5	0.13	37	45	74
10 Dec 87 8725522	2.01	0.2	20	50	16	0.19	0.5	7	21	170	2.66	0.25	30	0.61	334	0.01	16	680	34	<5	6	0.15	40	40	76
1 Dec 87 8726920	2.03	0.4	25	50	16	0.22	<0.5	7	21	169	2.62	0.26	30	0.61	326	0.01	14	710	26	<5	6	0.14	39	<5	77

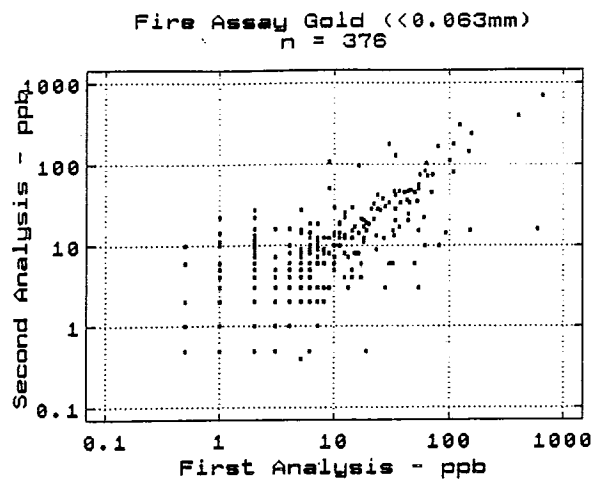
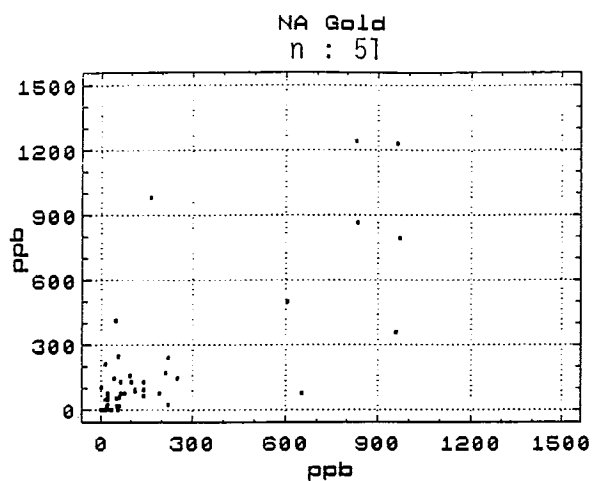
Standard GS1; direct irradiation/INAA.

	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Min	17	21	17	58	4	9	<2	<50	14.0	<1	5	<2	<500	76	<2	34	<0.5	12.0	7	<1	9	<5	
Max	21	100	42	84	6	12	4	<50	17.0	1	6	3	610	110	2	40	0.5	15.0	8	1	11	<5	
Report#	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
7 June 88	20	100	17	75	5	11	3	<50	16.0	<1	5	2	<500	83	<2	37	0.5	12.0	7.5	1	10	<5	10.70
88-50638.0	21	32	21	61	6	12	3	<50	17.0	<1	6	<2	<500	90	2	40	<0.5	13.0	8.3	1	11	<5	10.21
	20	24	19	59	5	10	3	<50	15.0	<1	6	<2	<500	76	<2	34	0.5	12.0	7.4	1	9	<5	11.52
3 April 89	21	100	34	83	5	9	4	<50	16.0	<1	6	<2	<500	80	<2	37	<0.5	15.0	6.7	<1	10	<5	10.42
89-50825.0	20	32	40	58	5	11	<2	<50	15.0	1	6	<2	610	110	<2	38	<0.5	15.0	7.6	1	10	<5	10.22
	19	27	42	63	4	10	<2	<50	15.0	1	6	<2	520	97	2	34	<0.5	14.0	7.3	1	9	<5	11.50
	17	21	18	84	5	11	<2	<50	14.0	<1	6	3	<500	89	<2	36	<0.5	14.0	7.3	<1	9	<5	12.54

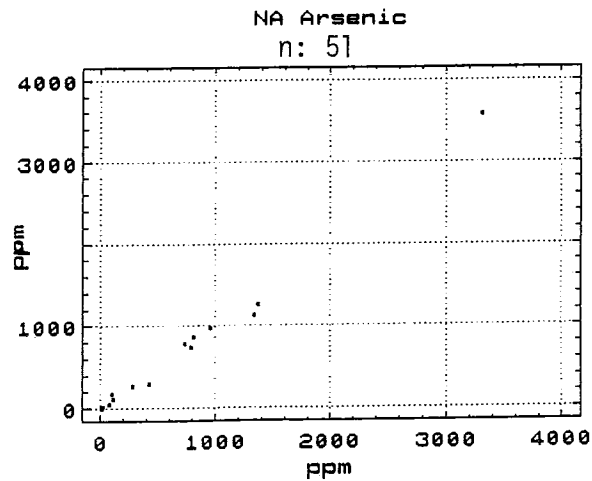
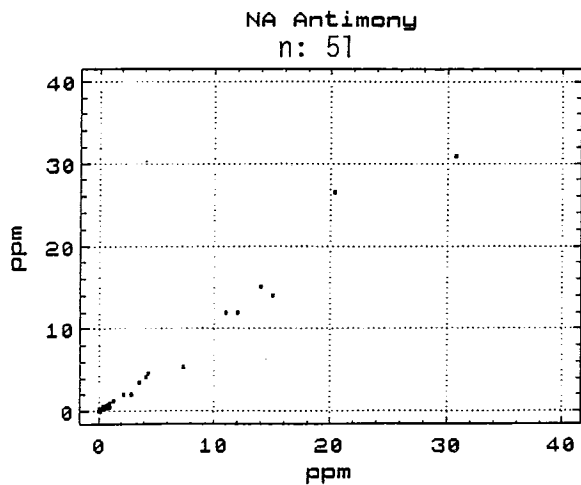
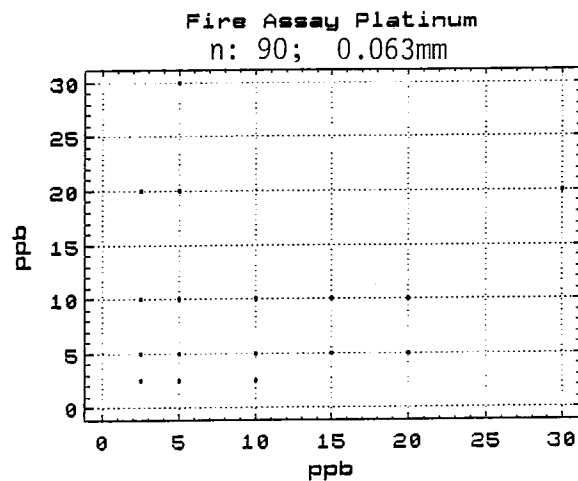
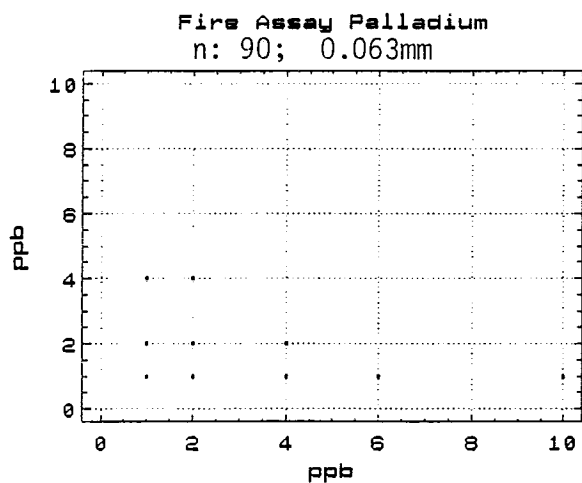
Standard RCA; direct irradiation/INAA.

	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Min	22	1090	14	<50	8	<2	2	<50	30.3	<1	<1	<2	<500	<10	<2	<5	<0.5	6.8	1.1	<1	1	<5	
Max	28	1430	26	<50	10	2	6	<50	34.8	<1	1	<2	<500	15	<2	5	<0.5	10.0	1.4	<1	2	<5	
Report#	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
7 June 88	27	1220	14	<50	9	<2	3	<50	34.8	<1	<1	<2	<500	<10	<2	<5	<0.5	6.8	1.4	<1	2	<5	10.00
88-50638.0	26	1090	14	<50	9	<2	2	<50	30.3	<1	1	<2	<500	<10	<2	<5	<0.5	7.3	1.1	<1	2	<5	10.97
	27	1330	16	<50	10	<2	4	<50	31.9	<1	1	<2	<500	<10	<2	5	<0.5	7.7	1.1	<1	1	<5	9.96
	25	1140	15	<50	9	<2	5	<50	32.3	<1	<1	<2	<500	<10	<2	5	<0.5	8.1	1.4	<1	2	<5	10.25
	26	1220	14	<50	10	<2	5	<50	31.8	<1	<1	<2	<500	15	<2	<5	<0.5	7.7	1.3	<1	2	<5	10.09
3 April 89	22	1130	22	<50	8	<2	5	<50	30.8	<1	<1	<2	<500	<10	<2	<5	<0.5	7.7	1.1	<1	1	<5	15.10
89-50825.0	27	1220	24	<50	9	<2	6	<50	32.6	<1	<1	<2	<500	15	<2	<5	<0.5	9.4	1.1	<1	2	<5	10.69
	28	1430	23	<50	10	2	6	<50	32.5	<1	1	<2	<500	<10	<2	<5	<0.5	10.0	1.1	<1	1	<5	9.79
	27	1120	26	<50	10	<2	6	<50	30.6	<1	<1	<2	<500	<10	<2	<5	<0.5	10.0	1.2	<1	1	<5	10.33
	24	1330	23	<50	9	<2	6	<50	31.4	<1	1	<2	<500	<10	<2	<5	<0.5	10.0	1.2	<1	1	<5	10.18

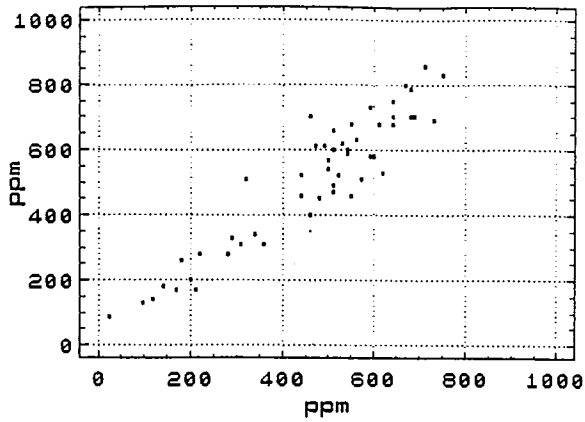
	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	BaO	LOI	Total
Standard GT-A	70.19	14.49	3.82	0.94	2.01	3.38	4.30	0.42	0.33	0.07	0.07	0.52	100.54
	70.51	14.47	3.70	0.95	2.03	3.32	4.11	0.42	0.29	0.07	0.07	0.62	100.56
	70.46	14.43	3.78	0.97	2.03	3.31	4.07	0.43	0.36	0.07	0.08	0.54	100.53
	68.56	14.14	3.56	0.91	1.86	3.32	4.13	0.41	0.29	0.07	0.07	0.81	98.13
	70.62	14.55	3.59	0.90	1.68	3.38	4.37	0.43	0.18	0.07	0.07	0.65	100.49
	70.89	14.70	3.71	0.94	1.94	3.42	4.38	0.42	0.33	0.07	0.09	0.70	101.59
	70.04	14.45	3.81	0.97	2.10	3.27	4.10	0.41	0.36	0.07	0.08	0.75	100.41
	70.69	15.01	3.74	0.95	1.94	3.49	4.22	0.45	0.27	0.07	0.05	0.59	101.47
	70.58	14.52	3.49	0.85	1.47	3.30	4.20	0.44	0.02	0.07	0.07	0.77	99.78
	70.23	14.53	3.68	0.95	1.99	3.37	4.26	0.42	0.27	0.07	0.07	0.68	100.52



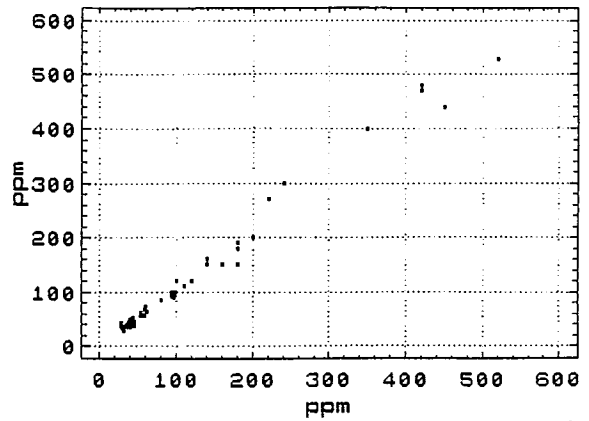
NA: direct irradiation/INAA, paired analyses of 50% splits of heavy mineral fraction



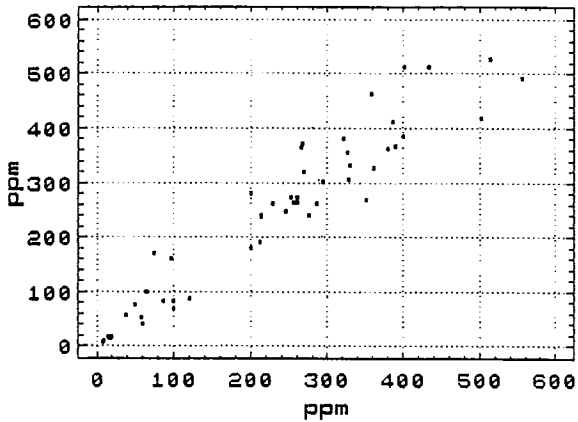
NA Chromium
n: 51



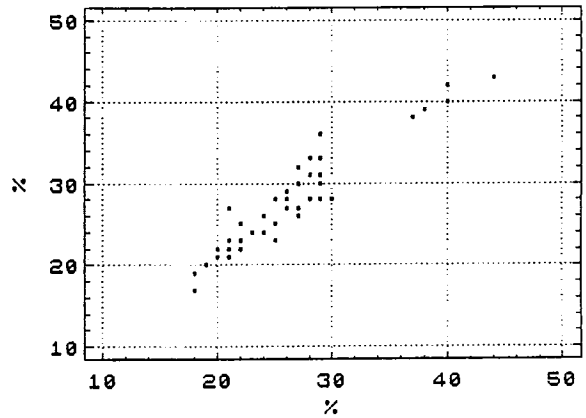
NA Cobalt
n: 51



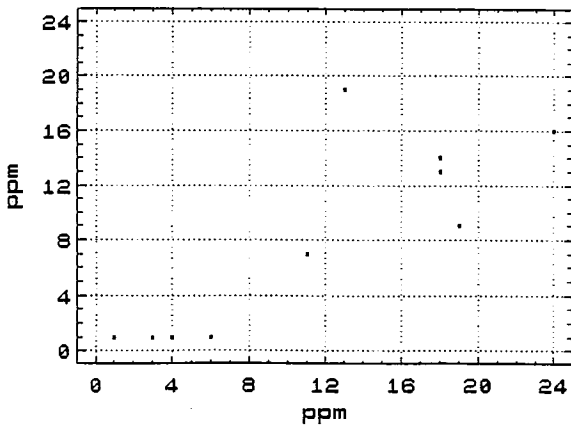
NA Hafnium
n: 51



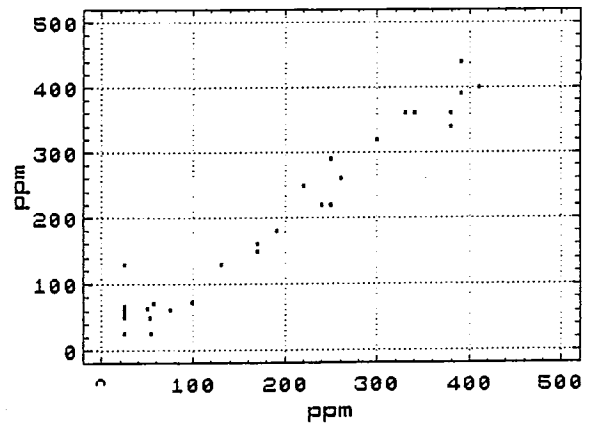
NA Iron
n: 51



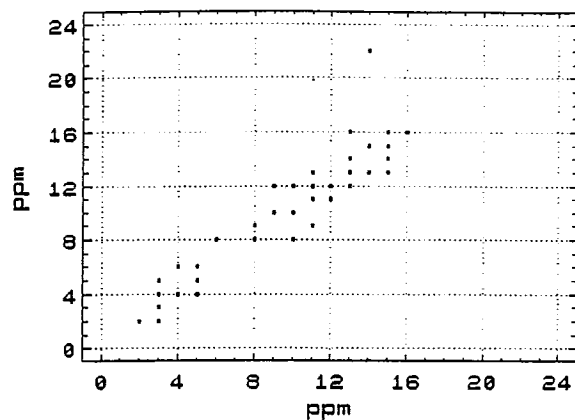
NA Molybdenum
n: 51



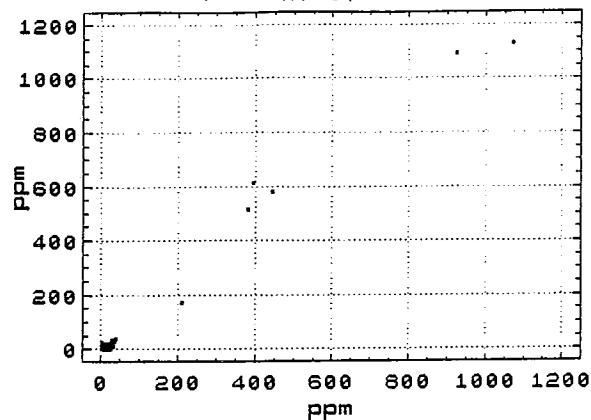
NA Nickel
n: 51



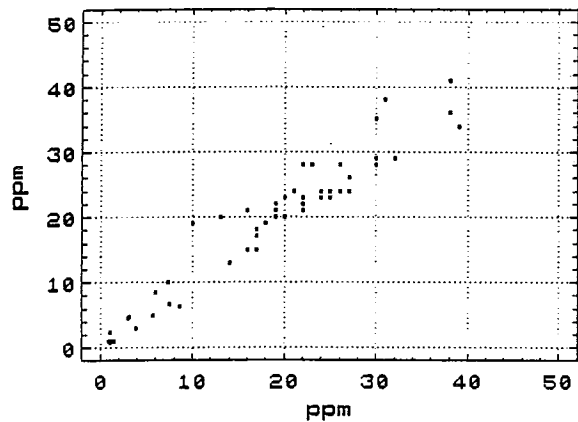
NA Tantalum
n: 51



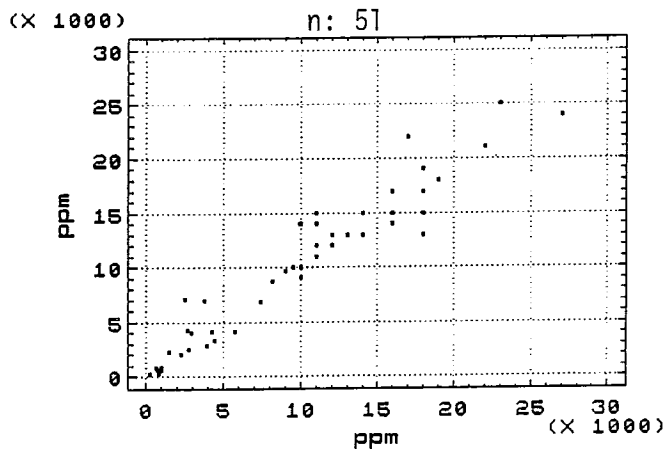
NA Tungsten
n: 51



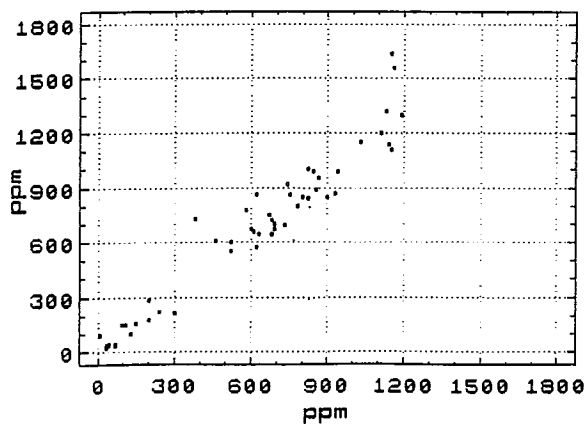
NA Uranium
n: 51



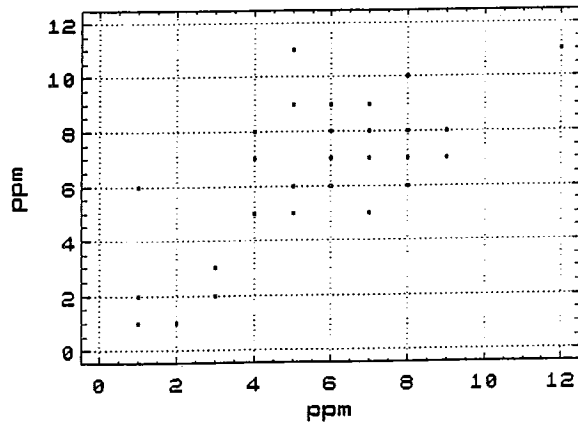
NA Zirconium
n: 51



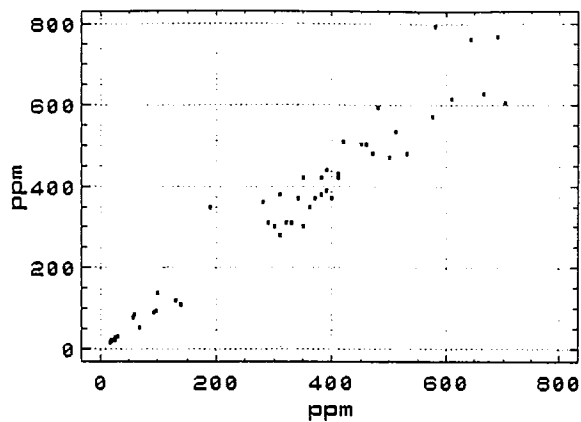
NA Cerium
n: 51



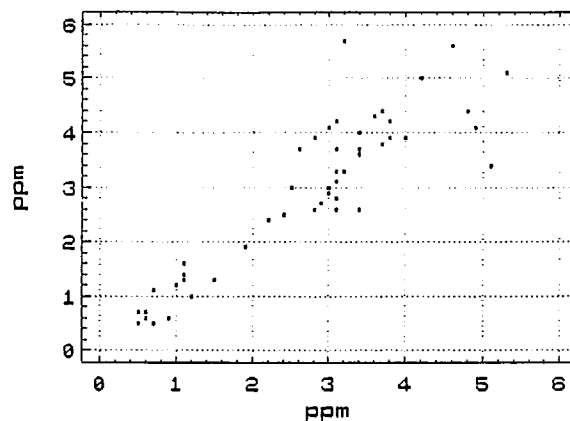
NA Europium
n: 51



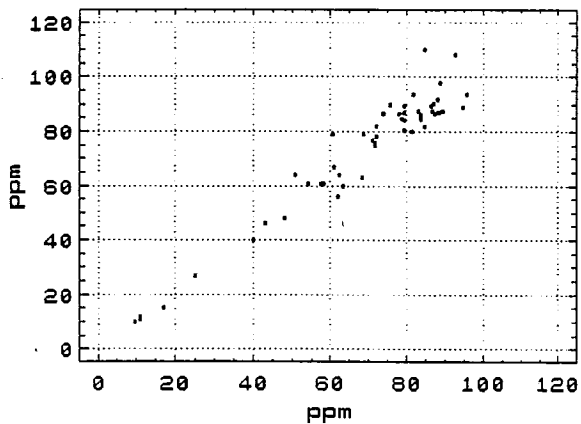
NA Lanthanum
n: 51



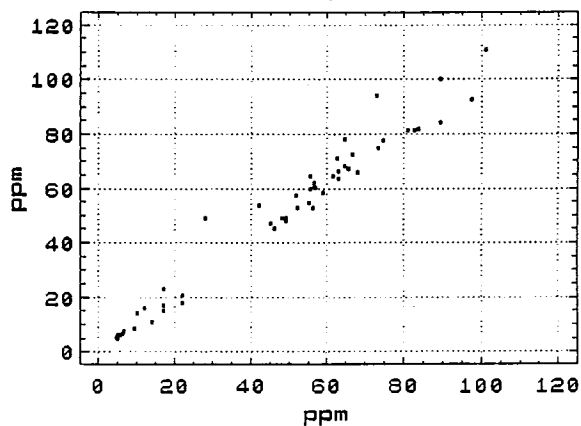
NA Lutetium
n: 51



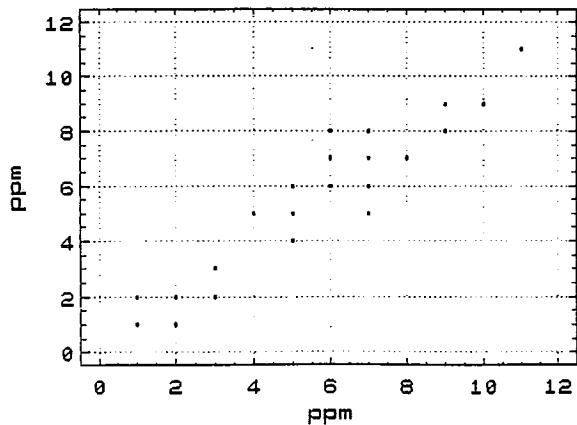
NA Scandium
n: 51



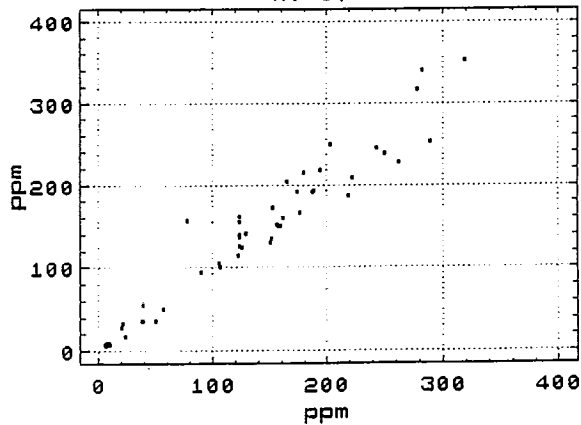
NA Samarium
n: 51



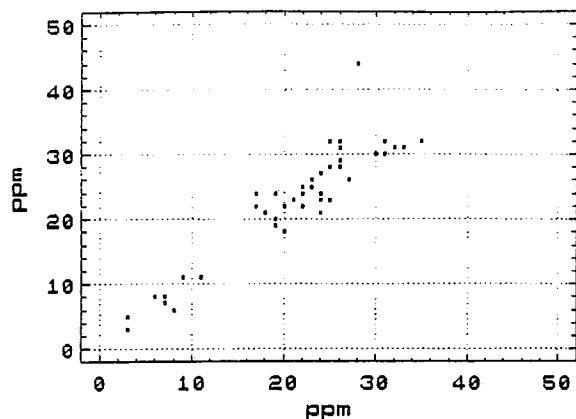
NA Terbium
n: 51



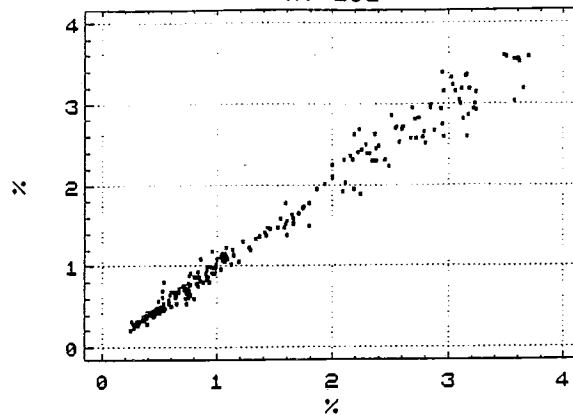
NA Thorium
n: 51



NA Ytterbium
n: 51

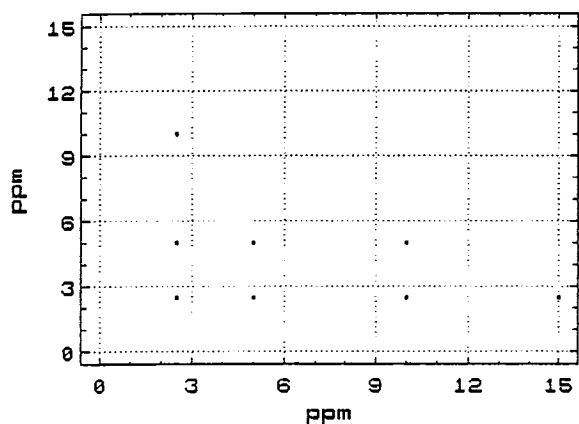


ICP Aluminum
n: 232

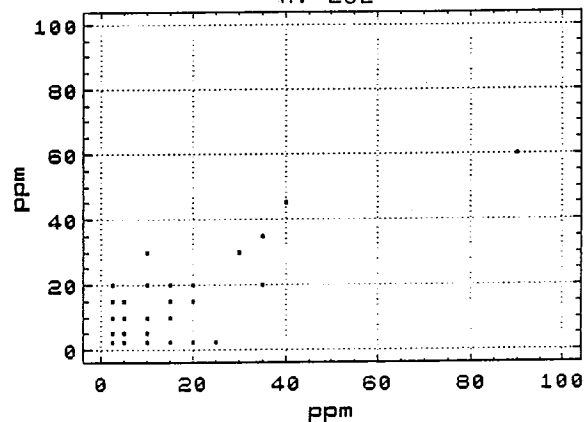


ICP: nitric/aqua regia partial leach; ICP-AES analysis of two 0.5 gram splits of less than 2 micron and less than 63 micron fractions.

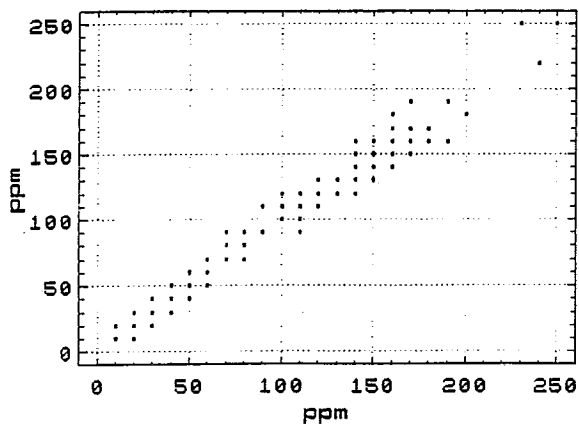
ICP Antimony
n: 232



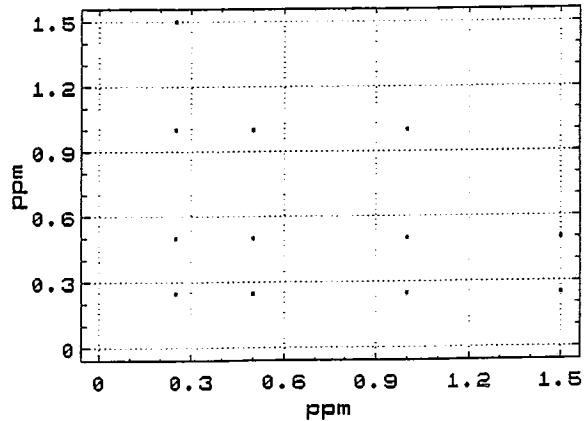
ICP Arsenic
n: 232



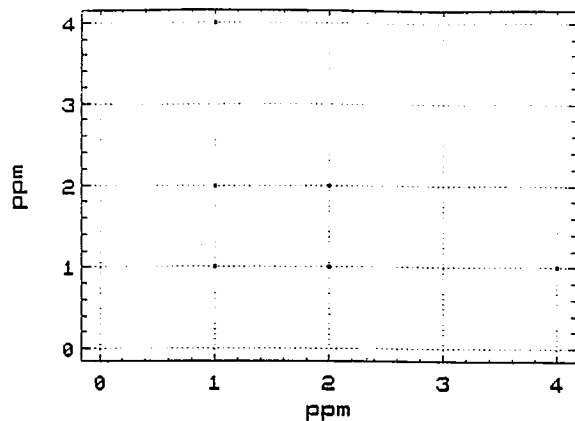
ICP Barium
n: 232



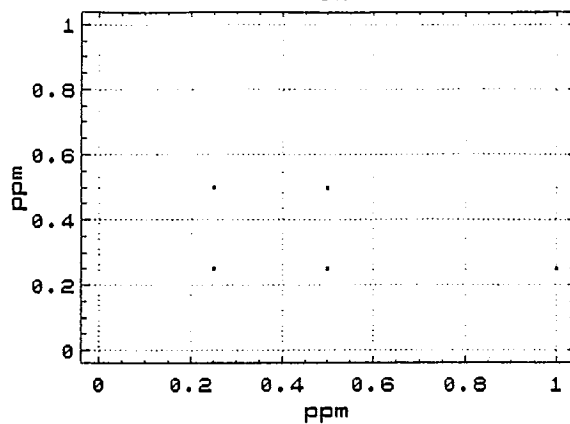
ICP Beryllium
n: 232



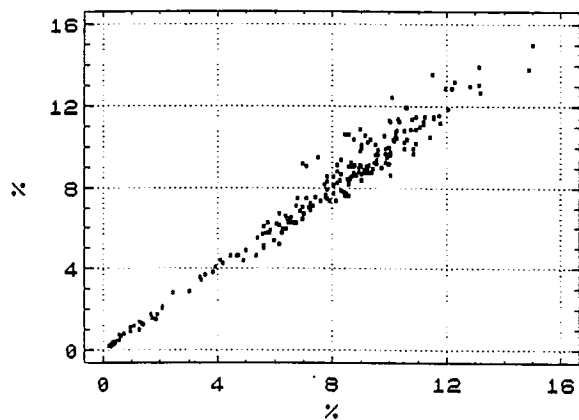
ICP Bismuth
n: 232



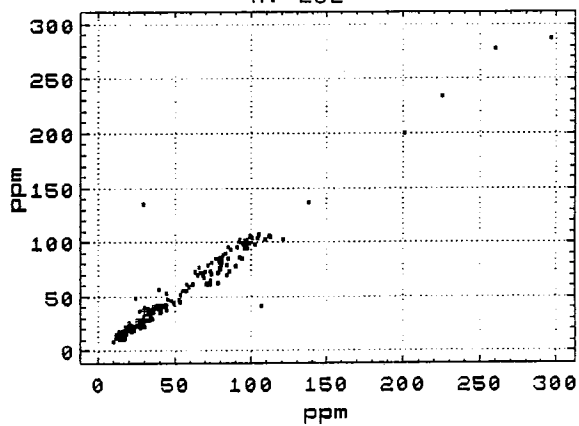
ICP Cadmium
n: 232



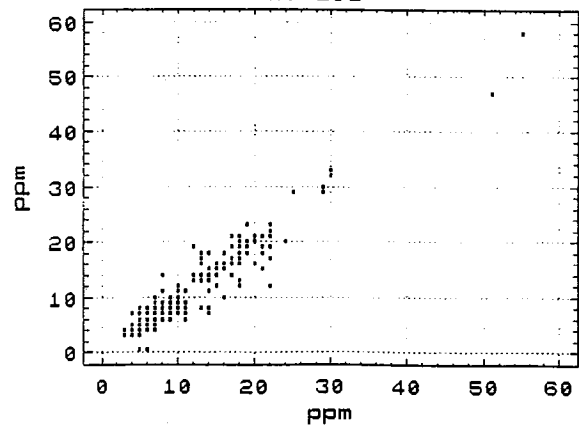
ICP Calcium
n: 232



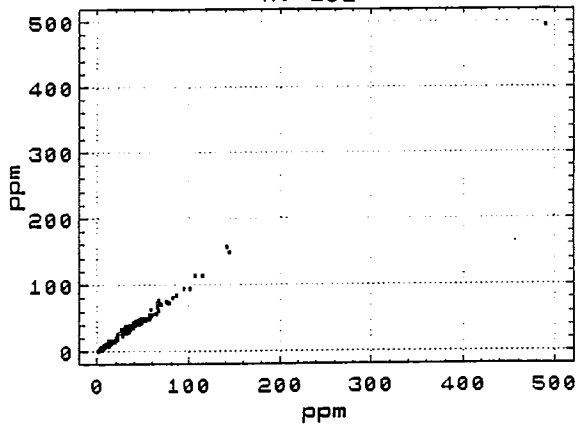
ICP Chromium
n: 232



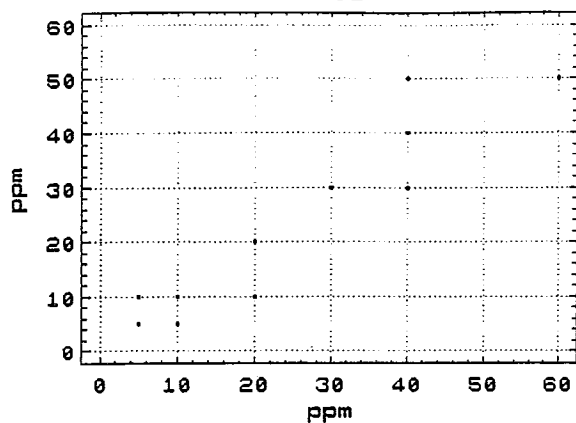
ICP Cobalt
n: 232



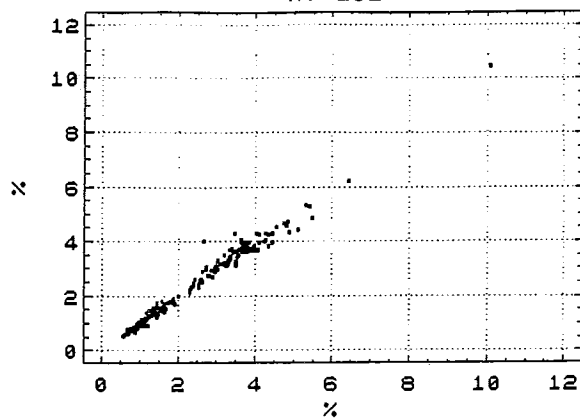
ICP Copper
n: 232



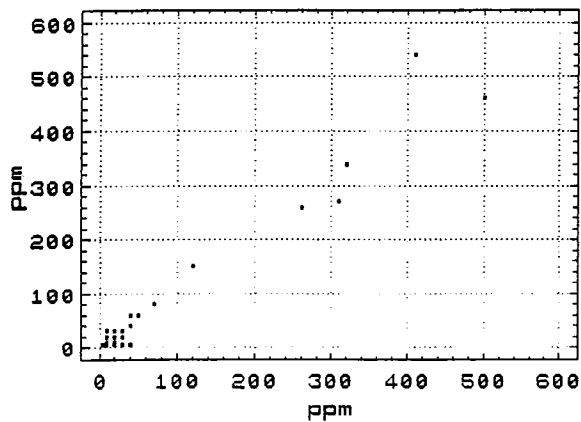
ICP Gallium
n: 232



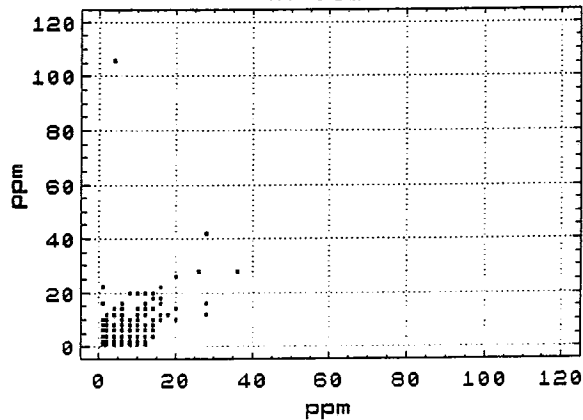
ICP Iron
n: 232



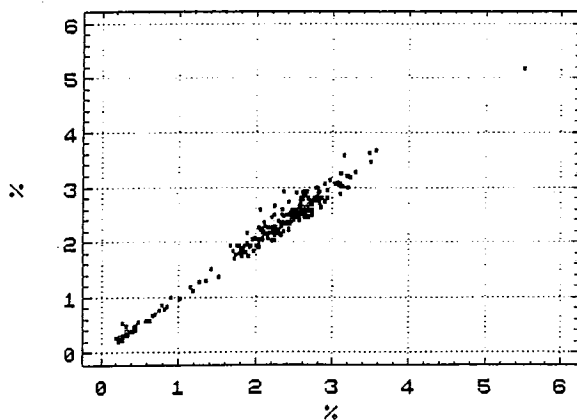
ICP Lanthanum
n: 232



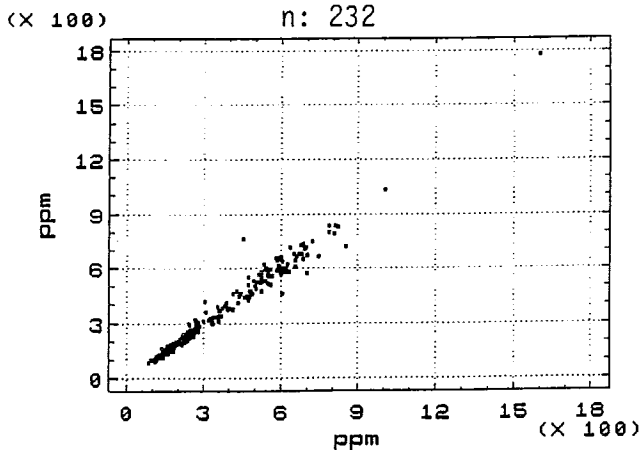
ICP Lead
n: 232



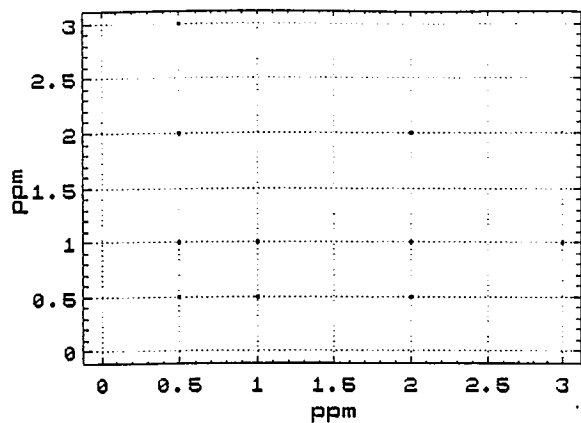
ICP Magnesium
n: 232



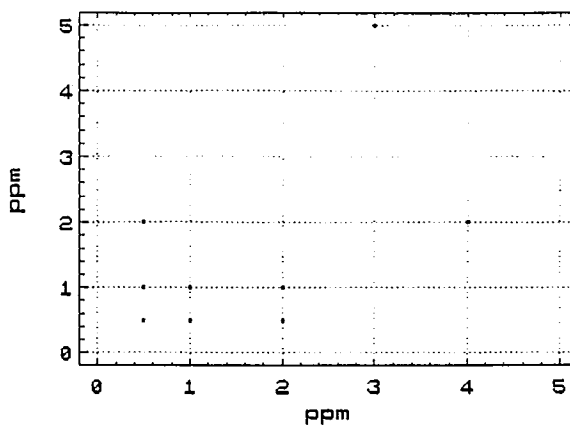
ICP Manganese
n: 232



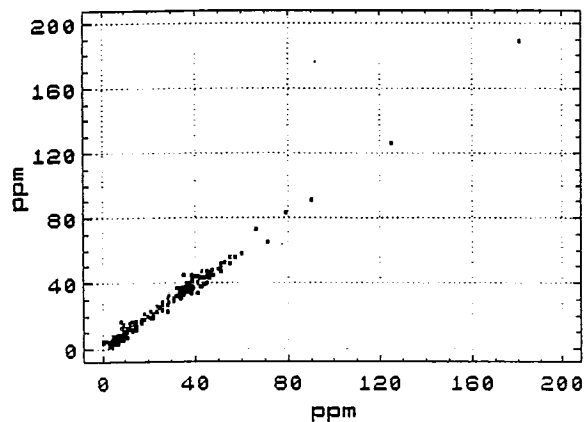
ICP Mercury
n: 232



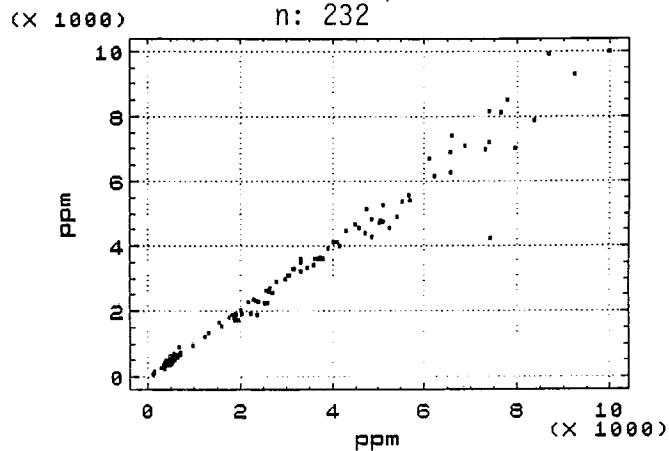
ICP Molybdenum
n: 232



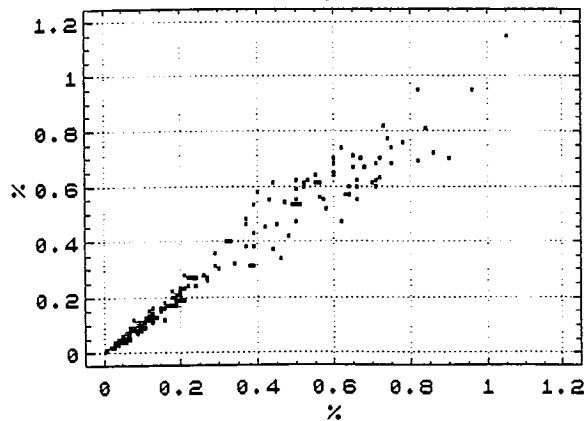
ICP Nickel
n: 232



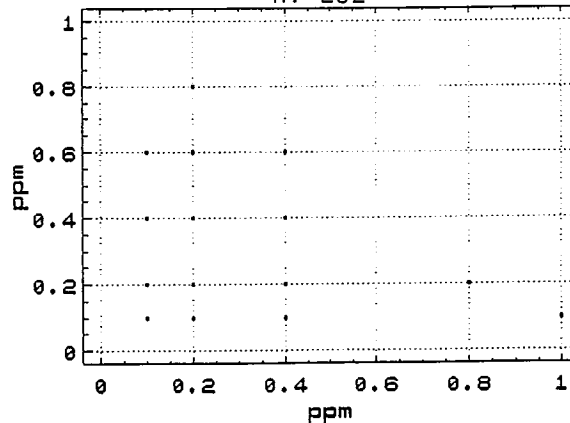
ICP Phosphorous
n: 232



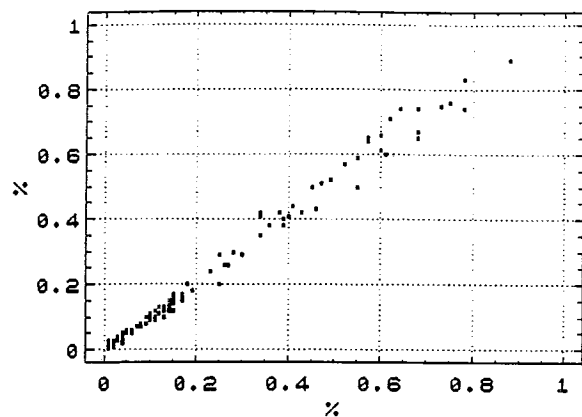
ICP Potassium
n: 232



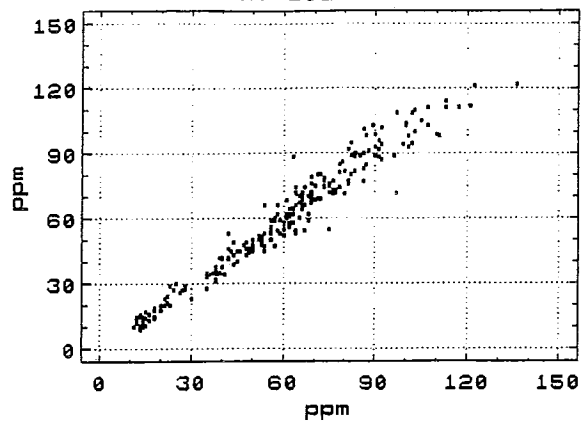
ICP Silver
n: 232



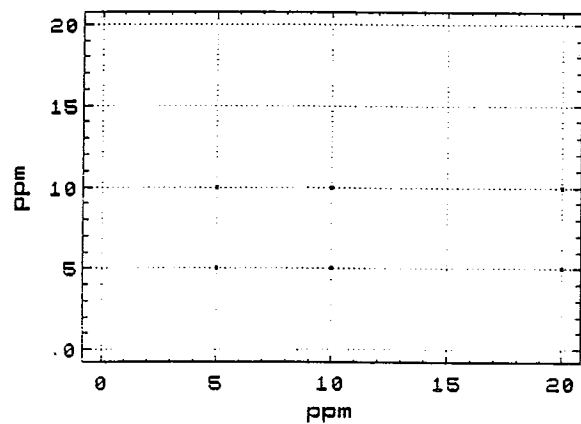
ICP Sodium
n: 232



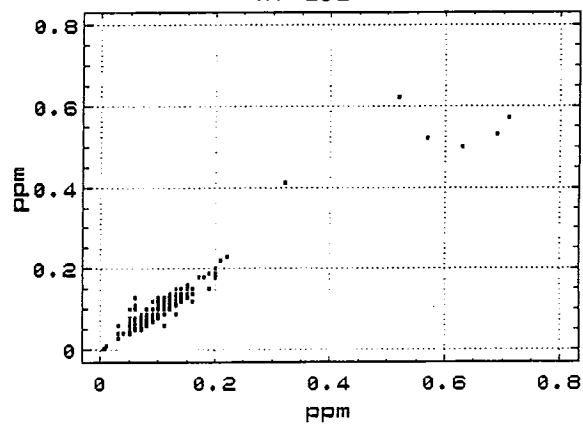
ICP Strontium
n: 232



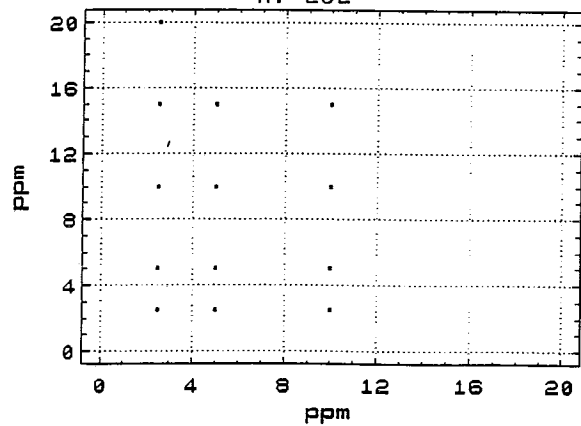
ICP Thallium
n: 232



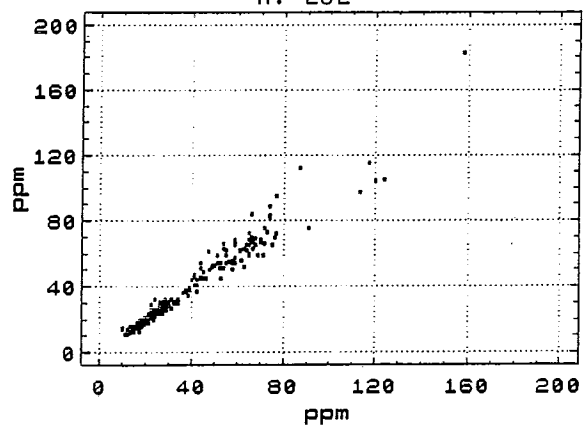
ICP Titanium
n: 232



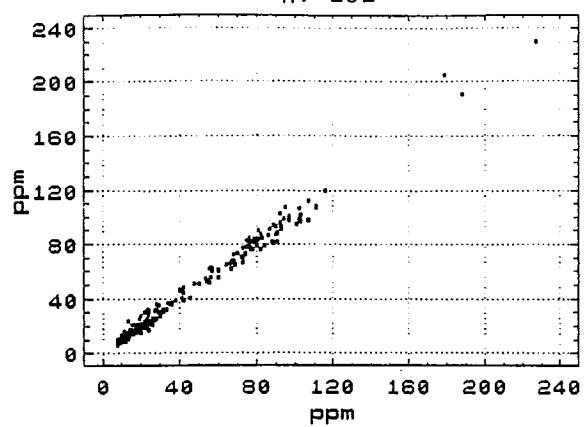
ICP Tungsten
n: 232



ICP Vanadium
n: 232



ICP Zinc
n: 232



Re-preparation of <2um fraction.

Trace elements: nitric/aqua regia partial leach, ICP.

C horizon surface till samples; sampling depth ~0.8 m.

<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn	
Detection Limit:	0.01 %	0.2 ppm	5 ppm	10 ppm	2 ppm	0.01 %	0.5 ppm	1 ppm	1 ppm	1 ppm	0.01 %	0.01 %	10 ppm	0.01 %	1 ppm	0.01 %	1 ppm	10 ppm	2 ppm	5 ppm	1 ppm	0.01 %	1 ppm	5 ppm	2 ppm	
Low Al on first run:																										
26 -2um Run 1	0.59	0.2	<5	20	<2	8.99	<0.5	13	15	9	1.11	0.10	<10	2.90	247	0.38	9	4110	<2	5	54	0.05	17	5	26	
26 -2um Run 2	3.73	0.4	10	100	<2	3.79	<0.5	32	95	85	5.15	0.51	100	2.51	1077	1.73	64	>10000	36	<5	48	0.17	73	<5	192	
31 -2um Run 1	0.76	0.4	<5	30	<2	10.03	<0.5	8	19	14	1.13	0.12	<10	2.87	205	0.45	10	4100	2	<5	64	0.06	18	5	26	
31 -2um Run 2	3.20	<0.2	<5	90	<2	11.49	<0.5	15	65	66	3.73	0.50	<10	2.56	548	0.89	47	4340	12	<5	83	0.16	47	10	114	
48 -2um Run 1	0.71	<0.2	<5	40	<2	7.95	<0.5	7	24	21	1.05	0.13	<10	2.59	178	0.23	16	2170	<2	<5	52	0.07	19	<5	20	
48 -2um Run 2	3.55	<0.2	5	150	<2	7.28	<0.5	18	107	132	4.34	0.64	<10	2.47	578	0.84	99	4170	8	<5	60	0.19	65	10	124	
65 -2um Run 1	0.58	0.2	<5	20	<2	7.60	<0.5	8	17	15	0.99	0.07	<10	3.12	221	0.30	9	2890	2	<5	45	0.05	16	<5	18	
65 -2um Run 2	4.27	<0.2	<5	100	<2	3.67	<0.5	28	97	133	5.21	0.53	30	2.69	1027	1.40	75	8640	26	<5	45	0.17	66	10	154	
142 -2um Run 1	0.46	<0.2	5	20	<2	9.61	<0.5	8	12	15	0.82	0.05	<10	3.29	221	0.03	7	1290	6	<5	61	0.05	16	<5	15	
142 -2um Run 2	3.22	<0.2	<5	90	<2	7.68	<0.5	36	75	113	4.21	0.43	<10	2.60	1280	1.38	66	>10000	16	<5	67	0.15	55	10	123	
400 -2um Run 1	0.40	<0.2	<5	20	<2	9.71	<0.5	7	13	14	0.73	0.06	<10	2.90	168	0.03	7	1300	4	<5	60	0.05	14	<5	16	
400 -2um Run 2	2.41	<0.2	5	60	<2	15.01	<0.5	18	59	94	2.98	0.34	<10	2.63	596	0.94	47	6690	12	<5	107	0.10	37	5	124	
404 -2um Run 1	0.81	<0.2	<5	40	<2	8.52	<0.5	8	17	24	1.11	0.10	<10	3.26	208	0.05	9	2140	4	<5	57	0.08	20	<5	23	
404 -2um Run 2	3.96	0.2	10	120	<2	4.37	<0.5	28	78	140	5.15	0.41	60	2.62	1067	1.32	57	8210	38	<5	48	0.20	68	5	144	
410 -2um Run 1	0.47	<0.2	<5	20	<2	8.91	<0.5	10	15	16	0.78	0.07	<10	2.47	195	0.04	9	1570	6	<5	56	0.04	14	<5	20	
410 -2um Run 2	3.16	<0.2	5	80	<2	11.37	<0.5	26	85	127	4.19	0.46	<10	2.53	702	1.08	60	7730	8	5	92	0.15	57	10	164	
411 -2um Run 1	0.44	<0.2	<5	10	<2	7.88	<0.5	9	11	8	0.66	0.06	<10	2.64	189	0.04	8	1740	2	<5	47	0.04	12	<5	18	
411 -2um Run 2	4.65	<0.2	5	110	<2	3.19	<0.5	27	110	94	5.85	0.59	40	2.53	849	1.20	83	6700	22	5	43	0.18	75	10	231	
447 -2um Run 1	0.77	<0.2	<5	30	<2	11.20	0.3	10	20	27	1.31	0.13	<10	3.06	266	0.06	11	2290	10	<5	76	0.07	22	<5	38	
447 -2um Run 2	2.37	<0.2	<5	80	<2	11.05	<0.5	24	65	91	3.28	0.39	<10	2.56	676	0.57	44	3430	18	<5	82	0.15	51	10	143	
669 -2um Run 1	1.06	0.2	<5	60	<2	11.72	<0.5	10	29	39	1.45	0.12	<10	2.83	276	0.06	17	3050	10	<5	77	0.08	23	<5	31	
669 -2um Run 2	3.29	<0.2	10	180	<2	12.63	<0.5	17	83	150	4.01	0.35	<10	2.85	599	0.60	52	2640	20	<5	82	0.16	59	5	111	
670 -2um Run 1	1.02	0.2	5	40	<2	7.06	<0.5	10	29	30	1.52	0.14	<10	2.85	261	0.08	18	3330	10	<5	49	0.07	26	<5	40	
670 -2um Run 2	5.08	<0.2	10	160	<2	3.03	<0.5	35	136	170	6.26	0.69	60	2.58	1142	0.93	92	4210	28	<5	50	0.23	95	5	234	
675 -2um Run 1	0.91	<0.2	<5	40	<2	6.07	<0.5	11	26	130	1.34	0.10	<10	2.72	323	0.06	17	2740	4	<5	41	0.06	22	5	26	
675 -2um Run 2	4.18	<0.2	10	160	<2	3.79	<0.5	43	105	706	5.06	0.49	30	2.90	1182	0.65	83	2720	20	<5	48	0.20	73	5	136	
687 -2um Run 1	0.97	<0.2	<5	40	<2	6.30	<0.5	10	28	12	1.33	0.10	<10	3.40	266	0.13	15	5240	<2	<5	40	0.06	24	<5	23	
687 -2um Run 2	6.00	<0.2	10	260	<2	2.14	<0.5	34	170	92	7.56	0.62	100	2.50	1420	1.34	92	8300	28	<5	46	0.20	122	10	166	
688 -2um Run 1	0.87	0.2	<5	40	<2	7.19	<0.5	10	26	36	1.41	0.10	<10	3.23	449	0.09	17	4700	2	<5	46	0.06	25	<5	30	
688 -2um Run 2	4.50	<0.2	10	260	<2	4.46	<0.5	68	106	294	6.62	0.54	60	3.32	3000	1.40	112	>10000	52	<5	58	0.20	112	10	200	

Re-preparation of <2um fraction.
Trace elements: nitric/aqua regia partial leach, ICP.
C horizon surface till samples; sampling depth ~0.8 m.

<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
Detection Limit:	0.01 %	0.2 ppm	5 ppm	10 ppm	2 ppm	0.01 %	0.5 ppm	1 ppm	1 ppm	1 ppm	0.01 %	0.01 %	10 ppm	0.01 %	1 ppm	0.01 %	1 ppm	10 ppm	2 ppm	5 ppm	1 ppm	0.01 %	1 ppm	5 ppm	2 ppm
High Al on first run:																									
94 -2um Run 1	5.36	0.2	<5	120	<2	0.60	1.0	39	104	509	6.60	0.37	50	2.04	882	2.09	159	>10000	14	<5	41	0.11	77	<5	145
94 -2um Run 2	6.54	0.4	10	80	<2	0.78	<0.5	39	120	543	7.44	0.43	40	2.67	1044	1.26	177	8290	12	5	41	0.20	86	10	181
405 -2um Run 1	5.81	0.2	<5	240	4	1.12	0.5	25	122	42	5.34	0.58	200	1.39	908	0.15	52	9720	14	<5	49	0.15	66	<5	89
405 -2um Run 2	6.76	0.2	10	150	<2	0.93	<0.5	26	136	36	6.22	0.54	200	1.55	1099	1.25	69	7840	16	<5	34	0.16	68	<5	109
422 -2um Run 1	6.12	0.4	5	230	2	0.69	<0.5	40	96	128	5.53	0.35	40	1.33	899	0.15	91	>10000	28	<5	32	0.14	73	<5	95
422 -2um Run 2	9.43	0.2	<5	160	<2	0.57	<0.5	51	129	158	7.35	0.39	40	1.51	1180	0.69	131	6490	46	<5	24	0.34	87	5	132
423 -2um Run 1	7.27	<0.2	15	190	<2	0.59	<0.5	28	94	70	6.84	0.14	30	0.63	301	0.18	48	>10000	20	5	39	0.15	87	<5	39
423 -2um Run 2	9.43	0.2	25	130	<2	0.58	<0.5	30	121	68	8.14	0.15	30	0.61	316	1.49	57	>10000	24	<5	28	0.28	108	5	55
431 -2um Run 1	5.98	0.4	15	410	<2	0.71	<0.5	29	135	68	5.40	0.44	40	1.33	958	0.14	64	>10000	20	<5	37	0.14	80	<5	74
431 -2um Run 2	8.65	0.2	<5	400	2	0.71	<0.5	37	188	78	7.11	0.59	50	1.67	1266	0.92	88	8750	40	5	34	0.31	115	<5	109
434 -2um Run 1	5.38	0.2	<5	230	<2	0.82	0.5	25	118	51	5.99	0.41	160	1.37	925	0.10	56	6050	22	<5	55	0.23	87	<5	80
434 -2um Run 2	7.21	0.2	5	260	<2	0.81	<0.5	28	174	62	8.32	0.53	260	1.90	1195	0.76	81	4900	26	5	49	0.32	132	15	122
436 -2um Run 1	6.04	0.2	<5	220	<2	1.10	<0.5	28	142	46	6.23	0.55	160	1.57	910	0.13	58	7440	8	<5	60	0.20	86	<5	91
436 -2um Run 2	6.75	0.2	10	200	<2	0.95	<0.5	27	171	51	7.26	0.63	190	1.88	998	0.82	73	4930	14	5	45	0.23	106	5	123
445 -2um Run 1	5.30	0.2	10	220	2	0.64	<0.5	31	96	42	4.85	0.36	80	1.17	1012	0.12	54	>10000	24	<5	40	0.13	63	<5	76
445 -2um Run 2	7.20	0.2	<5	230	2	0.69	0.5	35	142	56	6.37	0.54	180	1.64	1325	0.71	75	5750	20	<5	37	0.21	88	<5	121
453 -2um Run 1	6.02	<0.2	<5	160	<2	0.64	<0.5	18	80	12	4.20	0.21	20	1.23	423	0.12	34	6090	22	<5	24	0.15	82	<5	104
453 -2um Run 2	8.04	<0.2	15	190	2	0.70	<0.5	20	108	10	5.60	0.26	20	1.54	549	0.80	47	3740	24	5	25	0.16	112	<5	137
454 -2um Run 1	5.50	<0.2	<5	220	<2	0.76	<0.5	17	98	22	4.62	0.33	50	1.31	378	0.11	47	4470	8	<5	33	0.17	73	<5	74
454 -2um Run 2	7.96	0.2	<5	280	<2	0.86	<0.5	25	144	24	6.63	0.42	80	1.87	515	0.58	75	2130	24	<5	34	0.22	113	<5	120
604 -2um Run 1	5.79	<0.2	25	270	<2	0.93	<0.5	27	118	43	6.52	0.30	20	1.65	620	0.08	64	3510	12	<5	53	0.20	106	<5	95
604 -2um Run 2	7.04	<0.2	25	270	<2	0.74	<0.5	27	153	45	8.15	0.30	30	1.96	710	0.82	80	2570	26	<5	39	0.19	132	5	125
644 -2um Run 1	5.90	0.2	40	210	<2	0.65	<0.5	41	138	171	6.79	0.36	30	2.06	1117	0.16	101	7310	16	<5	48	0.22	111	<5	99
644 -2um Run 2	7.82	0.2	<5	300	<2	0.52	<0.5	48	207	158	8.12	0.69	70	1.96	1421	0.82	185	6800	32	<5	30	0.36	130	<5	144
652 -2um Run 1	5.01	0.4	<5	330	<2	0.59	<0.5	33	138	106	5.50	0.49	70	1.44	1011	0.14	121	8640	18	<5	42	0.12	87	<5	88
652 -2um Run 2	7.95	<0.2	35	180	<2	0.53	<0.5	49	181	228	8.58	0.35	40	2.48	1335	0.64	138	4010	28	<5	30	0.28	140	5	140
663 -2um Run 1	5.64	0.4	<5	280	<2	0.49	<0.5	30	103	72	5.14	0.40	30	1.36	881	0.17	70	>10000	22	<5	30	0.15	63	5	90
663 -2um Run 2	8.25	0.6	<5	240	<2	0.48	<0.5	35	141	89	6.67	0.56	40	1.68	1073	0.63	91	4150	46	<5	26	0.29	93	<5	124
676 -2um Run 1	5.06	0.2	<5	230	<2	0.83	0.5	30	105	85	5.92	0.38	70	1.39	730	0.12	58	9480	6	<5	37	0.16	78	<5	92
676 -2um Run 2	7.50	0.4	<5	240	<2	0.82	<0.5	37	166	124	8.11	0.59	100	1.78	940	1.00	83	5700	26	<5	34	0.21	114	<5	141

Replicate analyses of gold-bearing till; sample #8008 (same site as #630).

Gold Predicted		Grains /10kg	Assay ppb	Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti ppm	V ppm	W ppm	Zn ppm
HMCna	36	1982	1590		<5	9	<100				35	660		28		440				<2	0.25	<50			0.7	82.7			18	<200
HMCna	16	1040	716		<5	8	<100				41	670		27		440				<2	0.25	<50			0.4	93.8			21	270
HMCna	22	569	709		<5	8	<100				40	720		27		470				<2	0.10	<50			0.4	86.3			31	<200
<63um partial	2	1.82	<0.2	15	30	<2	0.30	11	57	29	2.28	0.04	20	0.67	217	<1	0.01	34	330	10	<5	4	22	0.15	42	<5	36			
<63um partial	<1	1.74	<0.2	15	30	<2	0.28	11	54	27	2.20	0.04	20	0.65	207	<1	0.01	33	320	8	<5	4	20	0.15	41	<5	35			
<63um partial	1	1.75	<0.2	10	30	<2	0.29	12	54	27	2.20	0.04	20	0.65	207	<1	0.01	34	330	8	<5	4	20	0.15	41	<5	35			
<63um partial	1	1.77	<0.2	<5	30	2	0.30	12	55	28	2.23	0.04	20	0.66	211	<1	0.01	34	330	14	5	4	22	0.15	42	<5	36			
<63um partial	14	1.74	<0.2	10	30	<2	0.29	12	54	28	2.18	0.04	20	0.64	206	<1	0.01	33	330	10	5	4	21	0.15	41	<5	35			
<63um partial	2	1.79	<0.2	5	30	2	0.30	13	56	28	2.25	0.04	20	0.66	213	<1	0.01	32	330	14	5	4	21	0.15	42	<5	36			
<63um partial	7	1.74	<0.2	5	30	2	0.27	11	55	28	2.20	0.04	20	0.65	206	<1	0.01	32	300	10	<5	4	19	0.14	40	<5	35			
<63um partial	<1	1.88	<0.2	15	30	2	0.32	12	58	29	2.37	0.05	20	0.70	227	<1	0.01	36	350	8	<5	4	24	0.16	45	<5	38			
<63um partial	2	1.86	<0.2	10	30	<2	0.32	12	58	29	2.32	0.05	20	0.68	223	<1	0.01	35	340	8	<5	4	24	0.16	45	<5	37			
<63um partial	46	1.80	<0.2	10	30	2	0.31	12	56	28	2.25	0.04	20	0.67	215	<1	0.01	36	330	6	<5	4	23	0.16	43	<5	36			
<63um partial	13	1.77	<0.2	5	30	2	0.31	13	55	27	2.22	0.05	20	0.65	213	<1	0.01	35	310	4	<5	4	23	0.15	42	<5	36			
<63um partial	<1	1.88	<0.2	20	30	4	0.31	12	58	29	2.33	0.04	20	0.69	223	<1	0.01	36	330	2	<5	4	23	0.16	45	<5	37			
<63um partial	2	1.74	<0.2	15	30	4	0.27	12	54	28	2.19	0.04	20	0.65	206	<1	0.01	33	300	<2	<5	4	18	0.14	41	<5	35			
<63um partial	5	1.80	<0.2	15	30	2	0.29	12	56	28	2.25	0.04	20	0.67	213	<1	0.01	36	330	<2	<5	4	21	0.15	42	<5	36			
<63um partial	5	1.79	<0.2	15	30	2	0.29	11	55	28	2.24	0.04	20	0.66	212	<1	0.01	35	320	10	5	4	20	0.15	42	<5	36			
<63um partial	1	1.80	<0.2	15	30	2	0.28	12	56	29	2.27	0.04	20	0.67	213	<1	0.01	35	340	4	<5	4	18	0.15	42	<5	37			
<63um partial	<1	1.74	<0.2	15	30	2	0.27	11	54	28	2.19	0.04	20	0.65	206	<1	0.01	33	330	6	5	4	19	0.14	40	<5	35			
<63um partial	1	1.70	<0.2	5	30	2	0.27	12	52	27	2.15	0.04	20	0.63	201	<1	0.01	33	310	8	<5	4	18	0.14	39	<5	34			
<63um partial	2	1.82	<0.2	10	30	2	0.28	12	57	29	2.30	0.04	20	0.68	216	<1	0.01	33	320	6	<5	4	20	0.15	42	<5	37			
<63um partial	84	1.77	<0.2	<5	30	<2	0.29	12	55	28	2.22	0.04	20	0.66	214	<1	0.01	33	320	4	5	4	21	0.15	43	<5	35			
<63um partial	<1	1.78	<0.2	15	30	<2	0.28	13	55	28	2.24	0.03	20	0.66	213	<1	0.01	34	320	2	<5	4	19	0.15	42	<5	36			
<63um partial	86	1.82	<0.2	20	30	2	0.31	12	54	28	2.27	0.04	20	0.67	219	<1	0.01	34	330	6	<5	4	22	0.15	43	<5	37			
<63um partial	19	1.83	<0.2	15	30	6	0.31	12	56	29	2.29	0.04	20	0.68	220	<1	0.01	36	330	10	<5	4	23	0.16	44	<5	36			
<63um partial	1	1.80	<0.2	10	30	2	0.30	12	56	28	2.27	0.04	20	0.67	217	<1	0.01	33	340	10	5	4	22	0.15	44	<5	36			
<63um partial	39	1.90	<0.2	20	30	<2	0.33	12	59	29	2.39	0.05	20	0.70	230	<1	0.01	35	340	14	<5	4	25	0.17	46	<5	38			
<63um partial	<1	1.76	<0.2	15	30	<2	0.25	13	55	29	2.26	0.03	20	0.66	210	<1	0.01	36	330	8	<5	4	16	0.13	41	<5	36			
<63um partial	<1	1.76	<0.2	15	30	<2	0.26	12	55	29	2.25	0.04	20	0.66	210	<1	0.01	34	330	4	<5	4	17	0.13	42	<5	36			
<63um partial	1	1.78	<0.2	20	30	2	0.26	12	56	29	2.28	0.04	20	0.67	213	<1	0.01	33	350	6	<5	4	18	0.14	42	<5	36			
<63um partial	185	1.75	<0.2	15	30	<2	0.25	13	55	29	2.24	0.04	20	0.65	208	<1	0.01	34	320	4	<5	4	17	0.13	41	<5	35			
<63um partial	1	1.74	<0.2	20	30	<2	0.24	12	55	29	2.24	0.04	20	0.66	208	<1	0.01	36	340	6	<5	4	16	0.13	41	<5	36			
<63um partial	3	1.89	<0.2	20	30	2	0.29	11	56	28	2.31	0.03	20	0.67	192	1	0.01	33	360	6	5	3	14	0.13	37	<5	35			
<63um partial	3	1.80	<0.2	15	30	4	0.24	11	59	28	2.25	0.04	20	0.66	192	<1	0.01	34	350	6	<5	4	15	0.14	37	<5	36			
<63um partial	1	1.73	<0.2	25	30	2	0.27	12	51	26	2.19	0.03	20	0.63	189	<1	0.01	32	360	6	<5	3	16	0.13	36	<5	34			
<63um total	2	6.43	<0.5	16	530	<2	1.15	9	80	25	2.5	1.6		0.84	297	<1	2	35	350	6			257	0.27	56	<10	41			
<63um total	2	6.09	<0.5	19	500	<2	1.05	10	78	24	2.37	1.51		0.79	281	<1	1.91	32	360	6			244	0.26	54	<10	39			
<63um total	2	6.22	<0.5	17	500	2	1.1	10	77	25	2.42	1.52		0.81	287	<1	1.95	35	340	8			250	0.26	54	<10	40			
<2um partial	nss	8.10	<0.2	85	140	2	0.48	39	178	110	7.19	0.21	40	1.16	322	4	1.23	121	>10000	18	5	14	24	0.30	115	10	104			
<2um partial	nss	8.16	<0.2	110	130	<2	0.51	35	171	115	7.44	0.18	30	1.17	307	6	1.23	121	>10000	18	20	13	27	0.31	109	<5	103			
<2um partial	nss	>15.0	<0.2	110	280	<2	0.88	76	326	216	14.06	0.40	80	2.14	612	16	2.38	236	>10000	64	<5	26	48	0.66	218	<5	196			
Magnetic total	nss	1.6	1.0		620	10	0.86	20	1310	5	>25.0	0.04		0.67	2180	5	0.43	106	100	34			60	5.36	2080	<100	436			
Magnetic total	nss	nss	nss		nss	nss	nss	nss	nss	nss	>25.0	0.04		nss	nss	nss	nss	nss	nss	nss	nss			nss	nss	nss	nss	nss		
Magnetic total	20	1.3	<0.5		930	10	1.07	5	780	5	>25.0	0.04		0.69	1760	5	0.65	63	200	2			43	4.70	1690	<100	290			

Replicate analyses of gold-bearing till; sample #8010 (same site as #062).

Gold Predicted		Grains	Assay	Au	Al	Ag	As	Ba	Bi	Ca	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	V	W	Zn
		/10kg	ppb	ppb	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HMCna	5	114	60		<5	9	<100				31	500		27		310				<2	0.31	<50			3.9	71.0			15	<200
HMCna	2	36	100		<5	9	<100				33	440		28		320				<2	0.18	<50			3.8	75.5			<6	<200
HMCna	6	449	430		<5	10	<100				29	510		28		290				<2	0.26	<50			4.3	70.6			12	<200
<63um partial			170	1.03	<0.2	<5	30	<2	0.54	8	27	36	1.79	0.07		30	0.47	267	<1	0.02	16	540	6	<5	7	27	0.11	34	<5	26
<63um partial			182	0.99	<0.2	10	30	<2	0.52	8	26	34	1.73	0.06		30	0.45	260	<1	0.02	16	520	8	<5	7	27	0.11	33	<5	25
<63um partial			174	1.05	<0.2	5	30	2	0.56	9	28	36	1.84	0.06		30	0.48	276	<1	0.02	16	550	4	<5	7	28	0.11	35	<5	27
<63um partial			176	0.98	<0.2	10	30	<2	0.51	7	26	34	1.73	0.06		30	0.45	263	<1	0.02	15	520	6	<5	7	26	0.11	33	<5	25
<63um partial			188	0.95	0.2	10	30	<2	0.50	8	26	34	1.71	0.06		30	0.44	260	<1	0.02	14	540	6	<5	6	25	0.10	32	5	25
<63um partial			158	0.94	0.2	5	30	<2	0.50	7	25	32	1.67	0.06		30	0.43	256	<1	0.02	16	500	4	<5	6	26	0.11	32	<5	24
<63um partial			168	0.98	0.2	<5	30	2	0.52	7	26	34	1.74	0.06		30	0.45	264	<1	0.02	16	550	8	<5	7	26	0.11	34	<5	25
<63um partial			168	1.00	0.2	10	30	2	0.53	8	27	34	1.76	0.06		30	0.45	272	<1	0.02	16	540	6	<5	7	27	0.11	34	<5	27
<63um partial			166	0.90	<0.2	5	30	<2	0.43	8	28	33	1.63	0.04		20	0.41	232	<1	0.01	17	560	10	<5	5	19	0.09	27	<5	24
<63um partial			183	0.93	0.2	5	30	<2	0.45	8	26	34	1.67	0.05		20	0.43	239	<1	0.01	17	590	4	<5	6	20	0.09	27	<5	24
<63um partial			170	0.93	0.2	10	30	<2	0.45	8	27	34	1.68	0.05		20	0.43	239	<1	0.01	16	590	6	<5	6	21	0.09	27	<5	24
<63um partial			188	0.96	0.2	5	30	<2	0.47	8	29	34	1.73	0.05		20	0.44	247	1	0.01	17	580	6	<5	6	22	0.10	29	<5	25
<63um partial			166	0.87	0.2	5	30	<2	0.44	7	25	30	1.58	0.05		20	0.40	223	1	0.01	15	550	8	<5	5	20	0.09	27	<5	22
<63um partial			171	1.01	0.2	5	30	<2	0.51	9	31	35	1.78	0.06		20	0.45	253	1	0.01	19	620	8	<5	6	24	0.11	30	<5	25
<63um partial			171	1.01	0.4	<5	30	<2	0.51	8	29	34	1.78	0.06		20	0.45	256	1	0.01	18	600	4	<5	6	24	0.11	31	<5	25
<63um partial			174	1.00	0.2	5	30	<2	0.50	8	27	34	1.77	0.06		20	0.45	252	1	0.01	18	600	4	<5	6	24	0.11	30	<5	25
<63um partial			143	0.91	0.4	10	30	<2	0.45	8	28	32	1.63	0.06		20	0.42	232	<1	0.01	17	560	4	<5	6	21	0.09	27	<5	25
<63um partial			165	0.92	0.2	5	30	<2	0.46	8	27	34	1.64	0.05		20	0.42	233	1	0.01	16	570	6	<5	6	22	0.09	27	<5	27
<63um partial			194	0.94	0.2	5	30	<2	0.46	8	24	35	1.70	0.05		20	0.43	240	1	0.01	17	600	6	<5	6	21	0.09	28	15	26
<63um partial			174	0.95	0.4	<5	30	<2	0.48	8	24	32	1.69	0.05		20	0.42	239	1	0.01	16	580	6	<5	6	23	0.10	28	5	24
<63um partial			170	0.94	0.2	5	30	<2	0.47	8	22	33	1.70	0.05		20	0.42	240	1	0.01	16	590	6	<5	6	22	0.10	28	<5	25
<63um partial			165	1.02	0.4	5	30	<2	0.52	9	22	35	1.82	0.05		20	0.46	257	1	0.01	19	630	8	<5	6	25	0.11	30	<5	26
<63um partial			168	0.98	0.4	<5	30	<2	0.50	9	25	37	1.74	0.06		20	0.44	246	1	0.01	17	610	4	<5	6	24	0.11	29	<5	27
<63um partial			170	0.93	0.4	<5	30	<2	0.46	8	23	32	1.67	0.05		20	0.42	238	1	0.01	15	580	4	<5	6	22	0.10	27	<5	24
<63um partial			166	0.97	0.4	<5	30	<2	0.49	9	23	33	1.74	0.05		20	0.44	246	1	0.01	18	610	6	<5	6	23	0.10	29	<5	25
<63um partial			170	0.97	0.2	<5	30	<2	0.49	8	21	33	1.74	0.05		20	0.43	246	1	0.01	17	610	6	<5	6	23	0.10	29	<5	24
<63um partial			175	0.96	0.4	5	30	<2	0.49	9	23	32	1.73	0.05		20	0.43	243	1	0.01	17	600	6	<5	6	23	0.10	29	<5	24
<63um partial			161	0.99	0.4	5	30	<2	0.50	8	23	33	1.76	0.05		20	0.44	249	1	0.01	18	620	4	<5	6	23	0.11	29	<5	25
<63um partial			167	0.99	0.2	<5	30	<2	0.48	8	25	35	1.79	0.05		20	0.45	248	1	0.01	16	620	4	<5	6	22	0.10	29	<5	25
<63um partial			173	0.96	0.2	<5	30	<2	0.47	8	25	34	1.72	0.05		20	0.44	241	1	0.01	16	590	4	<5	6	22	0.10	28	<5	24
<63um partial			200	1.13	0.2	<5	40	2	0.57	8	30	40	1.92	0.06		20	0.52	259	<1	0.01	17	590	2	<5	6	24	0.11	30	<5	28
<63um partial			214	1.06	0.4	5	30	2	0.45	9	31	37	1.80	0.06		20	0.45	241	<1	0.01	17	540	4	<5	6	24	0.11	30	<5	26
<63um partial			219	1.06	<0.2	10	30	<2	0.52	9	27	40	2.10	0.06		30	0.48	273	1	0.01	18	580	2	<5	7	25	0.11	31	<5	29
<63um total			213	5.88	<0.5	14	520	<2	1.43	8	48	35	2.15	1.74			0.7	350	<1		2	18	540	8		260	0.25	45	<10	33
<63um total			201	5.83	<0.5	16	520	2	1.32	12	49	34	2.12	1.73			0.65	337	<1	1.98	19	550	10		259	0.24	45	<10	32	
<63um total			234	5.56	<0.5	14	500	<2	1.3	8	47	34	2.22	1.65			0.64	339	<1	1.9	18	520	8		247	0.24	44	<10	32	
<2um partial			nss	6.70	<0.2	70	220	2	0.59	47	158	320	8.85	0.54		70	2.01	1046	4	0.94	109	4150	22	20	49	46	0.26	121	15	162
<2um partial			nss	6.30	<0.2	55	170	<2	0.43	42	147	313	8.75	0.42		60	1.91	972	6	0.94	103	4500	26	15	44	33	0.24	108	<5	155
<2um partial			nss	6.51	<0.2	55	210	<2	0.44	45	146	330	8.74	0.51		60	1.88	900	1	0.94	106	4010	14	10	47	39	0.23	112	<5	167
Magnetic total			<12	0.9	<0.5		480	10	0.70	5	920	5	>25.0	0.01			0.44	1550	5	0.31	63	100	<2			31	4.45	1770	<100	280
Magnetic total			20	1.1	<0.5		470	10	1.03	5	740	5	>25.0	0.03			0.69	1800	5	0.32	65	200	2			40	4.86	1640	<100	250
Magnetic total			<8	0.9	<0.5		480	10	1.00	5	830	5	>25.0	0.01			0.57	1920	5	0.33	45	100	2			31	2.80	1270	<100	258

Replicate analyses of gold-bearing till; sample #8040 (same site as #635).

Gold Predicted			Al	Ag	As	Ba	Bi	Ca	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	V	W	Zn
Grains	Assay	Au	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HMCna 446	6250	9080		<5	59	<100			68	500		26		280			<2	0.17	56			1.4	77.0				19	<200
HMCna 214	26393	11100		<5	58	<100			69	450		23		240			<2	0.20	<50			1.4	80.2				21	<200
HMCna 313	13258	8400		<5	57	<100			64	420		25		260			<2	0.21	<50			1.5	76.0				29	<200
<63um partial	193		1.60	0.4	15	30	<2	0.31	16	44	65	3.02	0.04	30	0.84	462	1	0.01	35	640	4	<5	5	14	0.09	30	<5	46
<63um partial	163		1.61	0.4	15	30	<2	0.32	16	44	66	3.02	0.05	30	0.84	451	<1	0.01	35	650	4	<5	5	15	0.09	30	<5	45
<63um partial	205		1.71	0.8	15	40	<2	0.36	16	45	69	3.17	0.05	30	0.89	475	1	0.01	36	690	10	<5	5	17	0.11	32	<5	48
<63um partial	185		1.68	0.4	5	40	<2	0.34	16	44	69	3.13	0.05	30	0.87	469	2	0.01	36	670	8	<5	5	17	0.10	31	<5	47
<63um partial	163		1.67	0.4	25	30	<2	0.34	16	42	69	3.14	0.04	30	0.87	470	1	0.01	37	670	6	<5	5	16	0.10	31	<5	48
<63um partial	262		1.64	0.4	20	30	4	0.34	16	43	67	3.03	0.05	30	0.84	458	1	0.01	36	650	2	<5	5	17	0.10	32	<5	45
<63um partial	200		1.61	0.2	15	30	<2	0.34	16	41	65	2.97	0.04	30	0.83	458	1	0.01	34	660	4	<5	5	17	0.10	31	<5	44
<63um partial	188		1.62	0.2	10	30	<2	0.34	16	42	66	3.01	0.04	30	0.84	454	1	0.01	36	650	8	<5	5	17	0.10	31	<5	44
<63um partial	147		1.69	0.2	15	30	<2	0.36	16	43	68	3.12	0.05	30	0.87	471	1	0.01	36	670	4	<5	5	18	0.11	32	<5	46
<63um partial	201		1.67	0.2	15	30	<2	0.36	17	43	67	3.09	0.05	30	0.86	466	2	0.01	35	670	4	<5	5	18	0.11	32	<5	46
<63um partial	264		1.66	0.2	15	40	<2	0.35	16	42	67	3.08	0.04	30	0.85	465	1	0.01	35	670	2	<5	5	17	0.10	32	<5	46
<63um partial	177		1.59	0.4	10	30	<2	0.33	16	42	64	2.96	0.05	20	0.82	459	1	0.01	35	640	4	<5	5	16	0.10	31	<5	44
<63um partial	254		1.63	0.2	20	30	<2	0.34	16	42	67	3.04	0.04	30	0.84	459	1	0.01	35	660	2	<5	5	16	0.10	31	<5	46
<63um partial	313		1.63	0.4	10	30	<2	0.34	16	44	66	3.05	0.05	30	0.84	461	1	0.01	35	670	<2	<5	5	16	0.10	31	<5	45
<63um partial	197		1.60	0.4	15	30	<2	0.34	16	42	65	2.98	0.04	30	0.83	451	1	0.01	36	650	6	<5	5	17	0.10	31	<5	44
<63um partial	187		1.64	<0.2	10	30	<2	0.34	16	41	67	3.03	0.04	30	0.85	458	1	0.01	35	670	4	<5	5	17	0.10	31	<5	45
<63um partial	151		1.72	0.2	15	40	<2	0.37	16	44	69	3.16	0.05	30	0.88	477	<1	0.01	35	690	6	<5	5	19	0.11	33	<5	49
<63um partial	185		1.57	<0.2	20	30	<2	0.35	15	39	62	2.86	0.04	20	0.80	447	1	0.01	34	620	6	<5	4	18	0.10	30	<5	44
<63um partial	181		1.70	<0.2	20	40	<2	0.37	16	41	69	3.12	0.04	30	0.87	471	1	0.01	38	680	10	<5	5	18	0.11	32	<5	46
<63um partial	158		1.61	0.4	15	30	4	0.34	16	45	65	2.98	0.05	30	0.83	450	<1	0.01	35	660	4	<5	5	16	0.10	30	<5	44
<63um partial	144		1.59	0.2	20	30	<2	0.35	15	41	64	2.92	0.04	30	0.82	441	<1	0.01	33	640	6	<5	5	17	0.10	30	<5	43
<63um partial	151		1.64	0.2	10	30	<2	0.36	15	42	65	3.01	0.04	30	0.84	454	1	0.01	34	660	8	<5	5	18	0.11	31	<5	45
<63um partial	143		1.62	<0.2	20	30	<2	0.35	15	41	65	2.97	0.04	30	0.83	449	1	0.01	35	640	4	<5	5	18	0.10	31	<5	44
<63um partial	208		1.54	0.2	15	30	<2	0.32	15	40	62	2.86	0.03	20	0.80	453	1	0.01	33	620	6	<5	5	15	0.10	30	<5	43
<63um partial	167		1.50	<0.2	10	30	<2	0.29	15	42	62	2.85	0.03	20	0.79	430	<1	0.01	34	640	4	<5	4	13	0.08	28	<5	42
<63um partial	181		1.48	<0.2	15	30	<2	0.29	15	37	61	2.80	0.02	20	0.78	425	1	0.01	33	640	8	<5	4	13	0.08	28	<5	42
<63um partial	174		1.56	<0.2	25	30	<2	0.32	16	39	63	2.90	0.03	20	0.81	439	1	0.01	34	660	6	<5	4	15	0.09	30	<5	43
<63um partial	152		1.60	0.2	15	30	<2	0.34	16	41	64	2.97	0.04	30	0.82	449	1	0.01	35	670	6	<5	5	17	0.09	31	<5	44
<63um partial	118		1.53	0.2	5	30	<2	0.32	15	40	61	2.84	0.04	20	0.79	438	1	0.01	34	630	10	<5	4	16	0.09	29	<5	42
<63um partial	124		1.56	0.2	15	30	<2	0.33	15	39	62	2.89	0.03	20	0.81	450	1	0.01	34	640	8	<5	4	16	0.10	30	<5	43
<63um partial	162		1.80	0.2	15	40	4	0.35	16	45	73	3.30	0.04	30	0.90	480	1	0.01	35	580	6	<5	5	17	0.10	32	<5	49
<63um partial	228		1.75	0.2	20	30	4	0.35	16	47	71	3.18	0.05	30	0.91	474	<1	0.01	37	590	4	<5	5	17	0.10	33	<5	49
<63um partial	197		1.59	0.2	15	30	4	0.35	16	41	67	3.06	0.04	30	0.84	448	2	0.01	33	580	6	<5	4	15	0.09	29	<5	46
<63um total	195		6.43	<0.5	22	410	2	1.15	13	67	63	3.23	1.36		0.99	520	<1	1.99	34	560	4			212	0.23	56	<10	50
<63um total	119		6.26	<0.5	24	400	4	1.13	15	65	59	3.07	1.33		0.95	494	<1	1.95	35	540	4			209	0.21	55	<10	47
<63um total	251		6.44	<0.5	22	410	2	1.19	12	67	64	3.2	1.38		0.99	501	<1	2.03	34	540	4			217	0.23	56	<10	49
<2um partial	nss		6.92	<0.2	75	170	4	0.51	53	150	535	8.00	0.37	80	2.10	2088	2	1.20	118	>10000	16	15	31	33	0.15	75	15	178
<2um partial	nss		6.50	<0.2	55	140	2	0.41	48	139	488	7.91	0.26	70	2.08	1924	3	0.95	111	8500	22	10	26	27	0.14	67	<5	172
<2um partial	nss		6.63	<0.2	75	160	<2	0.45	52	142	532	7.95	0.28	80	1.99	2114	3	1.01	118	8840	20	15	30	29	0.13	69	<5	181
Magnetic total	<12		0.9	<0.5		580	10	0.82	5	900	5	>25.0	0.01		0.45	1690	5	0.36	44	100	<2			28	2.73	1320	<100	270
Magnetic total	<12		0.9	<0.5		410	10	1.09	5	780	5	>25.0	0.01		0.65	2160	5	0.28	46	100	2			34	3.12	1240	<100	240
Magnetic total	<12		0.9	<0.5		470	10	0.92	5	820	5	>25.0	0.01		0.50	1890	5	0.33	50	100	2			34	2.61	1220	<100	208

Replicate analyses of gold-bearing till; sample #8041 (same site as #636).

Gold Predicted			Grains		Assay		Au		Al	Ag	As	Ba	Bi	Ca	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	V	W	Zn
/10kg			ppb		ppb		ppb		%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HMCna	70	975	3030						<5	27	<100				38	530		23		250			<2	0.18	<50		0.7	77.9					37	<200
HMCna	70	1228	996						<5	34	<100				33	410		18		210			<2	0.25	<50		0.9	80.2					23	<200
HMCna	52	1221	1800						<5	30	<100				36	490		23		240			<2	0.23	<50		0.7	81.4					31	<200
<63um partial	49	1.22	0.2	10	20	<2	0.40	11	32	35	2.00	0.04	10	0.62	319	<1	0.01	23	620	6	<5	4	20	0.12	28	<5	36							
<63um partial	54	1.27	0.2	15	30	<2	0.39	11	30	36	2.11	0.04	20	0.66	332	<1	0.01	25	650	6	<5	4	19	0.12	29	<5	38							
<63um partial	27	1.25	0.2	5	30	2	0.38	10	35	36	2.06	0.05	10	0.65	320	<1	0.01	23	620	4	<5	4	18	0.12	28	<5	38							
<63um partial	41	1.31	<0.2	5	30	4	0.42	10	34	37	2.14	0.04	20	0.67	333	<1	0.01	25	650	4	<5	4	21	0.13	29	<5	38							
<63um partial	17	1.23	<0.2	15	20	2	0.36	10	34	35	2.04	0.05	10	0.64	317	<1	0.01	24	630	4	<5	3	17	0.11	27	<5	37							
<63um partial	22	1.18	0.2	10	20	2	0.33	10	32	35	1.99	0.04	10	0.63	310	<1	0.01	24	610	4	<5	3	15	0.11	26	<5	36							
<63um partial	30	1.16	<0.2	20	20	2	0.31	10	31	34	1.98	0.04	10	0.62	309	<1	0.01	23	620	6	<5	3	14	0.10	25	<5	36							
<63um partial	24	1.20	0.2	20	20	2	0.33	10	32	35	2.03	0.04	10	0.64	315	<1	0.01	24	630	6	<5	3	15	0.10	26	<5	37							
<63um partial	19	1.17	0.2	5	20	2	0.34	10	33	33	1.96	0.05	10	0.62	305	<1	0.01	23	610	4	<5	3	15	0.11	26	<5	35							
<63um partial	24	1.29	<0.2	15	30	2	0.39	11	33	36	2.14	0.04	10	0.67	334	1	0.01	25	660	6	<5	4	19	0.12	28	<5	39							
<63um partial	16	1.27	<0.2	10	30	4	0.39	10	32	37	2.09	0.05	10	0.66	324	1	0.01	24	650	2	<5	4	19	0.12	28	<5	39							
<63um partial	21	1.26	0.2	15	20	2	0.40	11	33	36	2.07	0.04	10	0.65	323	<1	0.01	24	640	2	<5	4	20	0.12	28	<5	37							
<63um partial	29	1.28	<0.2	5	30	2	0.39	10	32	37	2.12	0.05	10	0.67	329	<1	0.01	24	650	2	<5	4	19	0.12	28	<5	38							
<63um partial	30	1.23	<0.2	20	20	4	0.36	10	31	36	2.05	0.04	10	0.65	319	1	0.01	23	640	4	<5	3	17	0.11	27	<5	37							
<63um partial	24	1.20	<0.2	15	20	<2	0.33	10	31	36	2.03	0.04	10	0.64	314	<1	0.01	24	650	4	<5	3	14	0.10	26	<5	37							
<63um partial	24	1.26	<0.2	20	30	4	0.35	11	30	37	2.13	0.04	10	0.67	329	<1	0.01	24	660	2	<5	3	16	0.11	28	<5	38							
<63um partial	13	1.30	0.2	10	30	2	0.39	11	31	37	2.16	0.04	20	0.68	335	<1	0.01	25	670	4	<5	4	19	0.12	29	<5	39							
<63um partial	28	1.21	<0.2	5	20	2	0.33	10	30	36	2.04	0.03	10	0.64	316	<1	0.01	24	630	<2	<5	3	15	0.10	26	<5	37							
<63um partial	26	1.21	<0.2	15	20	2	0.33	10	30	56	2.04	0.03	10	0.64	317	1	0.01	23	650	2	<5	3	15	0.10	26	<5	47							
<63um partial	41	1.21	<0.2	5	20	4	0.32	10	33	37	2.06	0.04	10	0.64	318	<1	0.01	24	650	2	<5	3	14	0.10	26	<5	38							
<63um partial	93	1.22	0.2	15	20	4	0.31	11	34	38	2.09	0.04	10	0.66	322	<1	0.01	23	660	<2	<5	3	13	0.10	26	<5	39							
<63um partial	31	1.15	<0.2	15	20	2	0.29	10	28	36	1.98	0.03	10	0.62	307	1	0.01	23	630	4	<5	3	12	0.09	24	<5	36							
<63um partial	26	1.15	0.2	10	20	2	0.28	10	32	36	1.98	0.03	10	0.62	307	<1	0.01	23	640	2	<5	3	12	0.09	24	<5	37							
<63um partial	23	1.19	0.4	15	20	2	0.30	10	30	37	2.03	0.03	10	0.64	314	<1	0.01	23	640	6	<5	3	12	0.09	25	<5	37							
<63um partial	20	1.20	0.2	15	20	<2	0.32	11	31	36	2.03	0.04	10	0.64	313	<1	0.01	23	630	2	<5	3	14	0.10	26	<5	37							
<63um partial	44	1.20	0.2	20	20	2	0.34	10	30	36	2.02	0.04	10	0.63	311	1	0.01	23	620	4	<5	3	16	0.11	26	<5	37							
<63um partial	23	1.27	<0.2	15	30	2	0.38	11	30	36	2.10	0.04	10	0.66	326	<1	0.01	24	650	4	<5	3	19	0.12	28	<5	38							
<63um partial	28	1.26	0.2	10	20	4	0.39	11	35	36	2.09	0.04	10	0.66	324	<1	0.01	24	660	<2	<5	3	19	0.12	28	<5	38							
<63um partial	24	1.18	0.2	10	20	6	0.33	10	31	35	1.97	0.04	10	0.62	304	1	0.01	21	620	4	<5	3	15	0.10	26	<5	37							
<63um partial	21	1.20	<0.2	20	20	2	0.33	10	30	36	2.03	0.03	10	0.64	313	1	0.01	23	640	4	<5	3	14	0.10	26	<5	37							
<63um partial	71	1.45	<0.2	25	30	2	0.37	11	36	44	2.32	0.04	20	0.74	335	<1	0.01	26	580	4	<5	4	18	0.12	30	<5	43							
<63um partial	21	1.30	0.2	15	20	4	0.38	10	38	40	2.13	0.04	20	0.70	320	<1	0.01	25	550	<2	<5	4	17	0.11	29	<5	40							
<63um partial	22	1.29	0.2	20	20	4	0.35	10	34	40	2.17	0.04	20	0.68	325	<1	0.01	25	570	<2	<5	3	16	0.11	28	<5	40							
<63um total	37	6.24	<0.5	17	410	<2	1.38	10	54	36	2.49	1.34		0.87	404	<1	2.2	26	560	2			239	0.23	52	<10	45							
<63um total	57	6.44	<0.5	19	420	4	1.46	13	56	37	2.53	1.39		0.9	417	<1	2.28	28	570	4			248	0.24	54	<10	46							
<63um total	28	6.31	<0.5	20	410	2	1.39	10	56	36	2.48	1.35		0.87	404	<1	2.22	26	560	4			244	0.23	53	<10	43							
<2um partial	nss	6.96	<0.2	100	150	<2	0.60	42	138	467	6.90	0.42	50	2.21	1398	2	1.25	111	>10000	22	10	25	37	0.21	76	10	215							
<2um partial	nss	6.51	<0.2	95	130	<2	0.51	37	126	420	6.75	0.34	50	2.15	1289	<1	1.03	104	9740	14	15	21	32	0.19	68	<5	205							
<2um partial	nss	>15.0	<0.2	190	340	6	1.16	94	286	1036	>15.0	0.84	120	4.60	3100	8	2.00	252	>10000	48	10	54	72	0.48	162	<5	482							
Magnetic total	18	0.7	<0.5		400	10	0.63	5	950	5	>25.0	0.01		0.31	1410	5	0.27	47	100	<2			27	2.25	1290	<100	220							
Magnetic total	<12	1.0	<0.5		460	10	1.13	5	770	5	>25.0	0.02		0.65	2050	5	0.30	44	100	2			41	3.01	1150	<100	200							
Magnetic total	nss	nss	nss		nss	nss	nss	nss	nss	nss	nss	nss		nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss						

Replicate analyses of gold-bearing till; sample #8042 (same site as #649).

		Gold		Predicted																															
		Grains	Assay	Au	Al	Ag	As	Ba	Bi	Ca	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	V	W	Zn					
		/10kg	ppb	ppb	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
HMCna	4	778	632		<5	2	<100				92	313		23		123				<2	0.40	159		<0.2	59.8					20	<200				
HMCna	6	1397	665		<5	4	<100				99	340		22		125				<2	0.34	185		<0.2	65.7					6	<200				
HMCna	10	155	100		<5	3	<100				111	310		22		97				<2	0.40	229		0.2	64.1					<6	<200				
<63um partial	2				1.67	<0.2	<5	30	2	0.39	13	29	39	2.10	0.05	10	0.50	266	1	0.02	27	580	6	<5	3	16	0.13	38	<5	29					
<63um partial	1				1.73	<0.2	<5	30	<2	0.40	14	31	41	2.16	0.05	10	0.51	271	1	0.02	28	590	4	<5	3	16	0.14	40	<5	30					
<63um partial	3				1.59	0.2	<5	30	2	0.37	12	30	38	2.00	0.06	10	0.47	248	<1	0.02	26	550	4	<5	3	15	0.13	37	<5	27					
<63um partial	2				1.68	<0.2	<5	30	<2	0.38	13	32	40	2.13	0.05	10	0.50	263	1	0.02	28	590	2	<5	3	15	0.13	39	<5	29					
<63um partial	4				1.72	<0.2	<5	30	2	0.39	14	30	41	2.15	0.05	10	0.51	269	1	0.02	28	600	6	<5	3	15	0.14	39	<5	30					
<63um partial	9				1.69	<0.2	10	30	2	0.39	14	30	40	2.12	0.05	10	0.50	267	1	0.02	28	590	8	<5	3	15	0.13	39	<5	29					
<63um partial	6				1.67	<0.2	<5	30	2	0.38	13	27	40	2.12	0.05	10	0.50	264	1	0.02	28	590	6	<5	3	15	0.13	38	<5	29					
<63um partial	6				1.68	0.2	<5	30	<2	0.35	14	32	41	2.09	0.05	10	0.50	257	1	0.02	28	550	8	<5	3	14	0.13	37	<5	29					
<63um partial	3				1.82	0.2	<5	30	<2	0.39	14	33	44	2.28	0.06	10	0.54	280	1	0.02	30	620	8	<5	3	15	0.14	41	<5	31					
<63um partial	4				1.79	<0.2	5	30	<2	0.39	14	30	43	2.25	0.05	10	0.53	275	1	0.02	30	600	6	<5	3	15	0.14	40	<5	31					
<63um partial	3				1.85	0.2	<5	30	<2	0.41	15	34	45	2.29	0.06	10	0.55	284	1	0.03	31	630	4	<5	3	16	0.14	41	<5	32					
<63um partial	10				1.66	<0.2	<5	30	2	0.40	13	31	38	2.15	0.05	10	0.50	254	1	0.03	28	570	8	<5	3	16	0.14	40	<5	29					
<63um partial	5				1.69	<0.2	5	30	<2	0.44	13	32	38	2.23	0.06	10	0.51	260	1	0.04	29	610	4	<5	3	18	0.15	42	<5	29					
<63um partial	4				1.61	0.2	<5	30	<2	0.41	13	33	36	2.10	0.06	10	0.49	246	<1	0.03	27	560	4	<5	3	17	0.14	40	<5	28					
<63um partial	2				1.56	0.2	<5	30	<2	0.40	13	29	34	2.05	0.05	10	0.47	240	1	0.03	26	550	6	<5	3	16	0.14	39	<5	27					
<63um partial	24				1.45	<0.2	<5	30	2	0.35	12	24	34	1.89	0.04	10	0.44	230	1	0.02	26	540	6	<5	3	13	0.11	36	<5	26					
<63um partial	2				1.47	<0.2	5	30	2	0.35	12	25	34	1.96	0.04	10	0.45	234	1	0.02	27	570	6	<5	3	13	0.12	38	<5	26					
<63um partial	4				1.48	<0.2	5	30	2	0.34	12	23	35	1.98	0.03	10	0.45	236	1	0.02	27	560	8	<5	3	13	0.11	38	<5	26					
<63um partial	3				1.39	<0.2	5	20	2	0.30	11	22	34	1.84	0.04	10	0.43	222	<1	0.02	26	540	2	<5	2	11	0.10	34	<5	26					
<63um partial	4				1.43	0.2	5	20	4	0.30	12	25	35	1.92	0.05	10	0.44	230	1	0.02	27	560	6	<5	2	10	0.10	35	<5	27					
<63um partial	10				1.44	<0.2	5	30	2	0.29	13	26	35	1.94	0.04	10	0.45	234	<1	0.02	27	560	4	<5	2	10	0.10	36	<5	27					
<63um partial	5				1.39	<0.2	<5	20	2	0.30	11	22	33	1.83	0.03	10	0.43	222	<1	0.02	25	530	2	<5	2	11	0.10	34	<5	26					
<63um partial	3				1.55	<0.2	10	30	2	0.35	13	24	37	2.02	0.04	10	0.47	246	1	0.02	28	570	8	<5	3	13	0.12	38	<5	28					
<63um partial	5				1.47	<0.2	15	30	2	0.34	12	22	35	1.92	0.04	10	0.45	234	1	0.02	27	550	8	<5	3	13	0.11	37	<5	28					
<63um partial	9				1.57	<0.2	5	30	2	0.38	13	25	36	2.03	0.04	10	0.48	248	1	0.02	29	580	8	<5	3	15	0.13	39	<5	28					
<63um partial	6				1.85	<0.2	<5	30	2	0.41	14	30	44	2.24	0.06	10	0.52	270	1	0.02	30	640	6	<5	3	16	0.15	40	<5	34					
<63um partial	5				1.78	0.2	<5	30	2	0.41	14	26	42	2.16	0.06	10	0.50	260	<1	0.02	27	610	6	<5	3	17	0.15	39	<5	31					
<63um partial	2				1.89	<0.2	5	30	<2	0.43	14	29	44	2.28	0.06	10	0.53	276	1	0.02	29	640	6	<5	3	18	0.16	41	<5	31					
<63um partial	11				1.85	0.2	<5	30	<2	0.43	14	32	42	2.24	0.06	10	0.52	271	1	0.02	28	630	2	<5	3	18	0.15	40	<5	34					
<63um partial	6				1.84	0.2	<5	30	<2	0.44	14	31	42	2.23	0.06	10	0.52	269	1	0.03	29	620	4	<5	3	18	0.15	40	<5	31					
<63um partial	4				1.81	<0.2	5	30	<2	0.35	13	31	43	2.18	0.05	10	0.51	264	<1	0.02	28	520	<2	<5	3	14	0.12	39	<5	31					
<63um partial	4				1.69	0.2	5	30	<2	0.37	13	30	39	2.07	0.05	10	0.48	253	1	0.02	27	530	2	<5	3	15	0.12	39	<5	29					
<63um partial	4				1.68	<0.2	5	30	<2	0.42	14	29	39	2.09	0.05	20	0.49	251	1	0.02	27	520	2	<5	3	15	0.12	38	<5	28					
<63um total	9				6.32	<0.5	10	450	<2	1.57	13	52	38	2.64	1.41		0.82	408	<1	2.05	32	540	6			247	0.27	59	<10	40					
<63um total	6				6.13	<0.5	11	440	<2	1.54	13	47	37	2.6	1.39		0.79	392	<1	2.02	31	510	6			244	0.27	58	<10	37					
<63um total	10				6.12	<0.5	10	440	<2	1.55	12	51	36	2.53	1.37		0.8	381	<1	2	30	490	8			244	0.26	57	<10	36					
<2um partial	nss				>15.0	<0.2	10	260	<2	1.24	136	200	434	12.66	0.56	60	2.28	2890	6	3.56	220	>10000	44	10	26	56	0.50	158	<5	204					
<2um partial	nss				9.05	<0.2	45	100	<2	0.50	62	105	218	6.39	0.22	30	1.19	1342	4	1.76	108	>10000	26	10	13	24	0.22	75	<5	101					
<2um partial	nss				>15.0	<0.2	5	220	<2	1.22	140	216	538	13.08	0.46	60	2.34	3000	10	2.44	230	>10000	60	<5	26	56	0.48	160	<5	208					
Magnetic total	<4				1.6	<0.5		680	10	0.87	30	420	5	>25.0	0.06		1.03	2340	5	0.47	219	100	<2			87	5.51	2400	<100	410					
Magnetic total	4				1.6	<0.5		550	10	0.97	30	380	5	>25.0	0.06		1.25	2390	5	0.42	214	100	2			84	5.34	2250	<100	400					
Magnetic total	6				1.8	<0.5		640	10	1.12	40	360	5	>25.0	0.07		1.41	2470	5	0.51	221	100	2			90	5.29	2310	<100	434					

Replicate analyses of gold-bearing till; sample #8043 (same site as #653).

	Grains /10kg	Gold Assay ppb	Predicted Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti ppm	V ppm	W ppm	Zn ppm
HMCna	6	5750	2190		<5	7	<100			38	450		22		250			<2	0.32	<50			0.5	76.0				<6	220
HMCna	7	179	110		<5	6	<100			45	420		20		250			<2	0.25	<50			0.6	84.1				7	<200
HMCna	16	748	604		<5	6	<100			42	430		22		250			<2	0.23	<50			0.6	69.0				15	<200
<63um partial	3	1.39	<0.2	10	30	4	0.34	15	34	51	2.52	0.05	20	0.65	360	1	0.01	28	600	4	<5	5	13	0.14	40	<5	41		
<63um partial	4	1.39	<0.2	5	30	2	0.33	15	37	52	2.53	0.05	20	0.65	361	1	0.01	27	590	4	<5	5	12	0.14	40	<5	42		
<63um partial	11	1.33	<0.2	<5	30	<2	0.31	15	36	50	2.41	0.05	20	0.62	346	1	0.01	27	570	4	<5	4	11	0.13	38	<5	40		
<63um partial	4	1.40	<0.2	5	30	2	0.33	16	39	52	2.53	0.05	20	0.65	363	1	0.01	29	600	6	<5	5	12	0.14	40	<5	43		
<63um partial	11	1.32	0.4	<5	30	2	0.32	16	36	48	2.37	0.05	20	0.61	349	<1	0.01	28	510	4	<5	4	12	0.13	39	<5	39		
<63um partial	8	1.31	<0.2	<5	30	2	0.33	16	34	48	2.40	0.04	20	0.61	347	1	0.01	27	580	10	<5	4	12	0.13	40	<5	40		
<63um partial	9	1.30	0.2	10	30	4	0.33	16	40	47	2.38	0.05	20	0.61	344	<1	0.01	28	570	6	<5	4	12	0.13	39	<5	39		
<63um partial	9	1.37	<0.2	5	30	2	0.34	16	37	50	2.50	0.05	20	0.64	362	1	0.01	28	590	10	<5	5	13	0.14	41	<5	41		
<63um partial	7	1.29	0.2	5	30	2	0.32	15	38	47	2.35	0.05	20	0.60	341	<1	0.01	26	560	8	<5	4	12	0.13	39	<5	38		
<63um partial	4	1.37	<0.2	10	30	4	0.38	16	37	48	2.45	0.05	20	0.63	359	1	0.01	29	580	12	<5	5	15	0.16	42	<5	40		
<63um partial	4	1.35	0.2	10	30	2	0.36	15	38	48	2.44	0.05	20	0.63	355	<1	0.01	29	580	8	<5	5	14	0.15	41	<5	40		
<63um partial	6	1.31	<0.2	5	30	2	0.34	15	35	48	2.37	0.04	20	0.61	346	1	0.01	28	570	8	<5	4	13	0.14	39	<5	39		
<63um partial	2	1.39	0.2	5	30	4	0.37	16	37	50	2.51	0.05	20	0.64	362	<1	0.01	27	580	6	<5	5	14	0.15	42	<5	42		
<63um partial	3	1.32	<0.2	10	30	<2	0.30	15	32	49	2.42	0.04	20	0.61	349	<1	0.01	27	590	<2	<5	4	11	0.13	39	<5	40		
<63um partial	3	1.30	<0.2	5	30	2	0.30	15	33	48	2.40	0.04	20	0.61	347	<1	0.01	26	580	<2	<5	4	11	0.13	39	<5	39		
<63um partial	4	1.28	<0.2	5	30	2	0.31	15	36	47	2.40	0.04	20	0.61	343	<1	0.01	27	600	4	<5	4	11	0.12	39	<5	39		
<63um partial	2	1.25	0.2	<5	30	2	0.31	14	35	45	2.32	0.04	20	0.59	333	<1	0.01	28	550	6	<5	4	12	0.13	38	<5	38		
<63um partial	3	1.24	0.2	5	30	2	0.32	14	36	44	2.31	0.04	20	0.59	329	<1	0.01	26	550	4	<5	4	13	0.13	38	<5	37		
<63um partial	3	1.31	<0.2	10	30	<2	0.35	14	36	46	2.41	0.04	20	0.61	343	<1	0.01	28	580	4	<5	4	14	0.14	41	<5	39		
<63um partial	2	1.28	0.2	5	30	4	0.36	14	34	44	2.34	0.05	20	0.60	333	1	0.01	26	560	4	<5	4	14	0.15	40	<5	38		
<63um partial	3	1.20	0.2	5	20	2	0.33	13	33	42	2.23	0.04	20	0.57	317	<1	0.01	23	540	6	<5	4	13	0.13	37	<5	36		
<63um partial	6	1.20	<0.2	5	20	2	0.31	14	31	43	2.22	0.04	20	0.57	316	<1	0.01	27	550	2	<5	4	12	0.13	37	<5	36		
<63um partial	2	1.24	0.2	<5	30	2	0.31	15	35	45	2.32	0.04	20	0.59	332	1	0.01	27	570	6	<5	4	11	0.13	38	<5	38		
<63um partial	5	1.20	0.2	5	30	4	0.29	14	32	44	2.26	0.04	20	0.57	323	1	0.01	26	550	4	<5	4	10	0.12	37	<5	36		
<63um partial	2	1.29	0.2	<5	30	2	0.34	15	35	46	2.36	0.05	20	0.61	338	<1	0.01	27	510	8	<5	4	13	0.14	39	<5	38		
<63um partial	10	1.30	0.2	<5	30	2	0.34	15	33	46	2.37	0.04	20	0.61	338	1	0.01	26	500	6	<5	4	13	0.14	39	<5	38		
<63um partial	6	1.25	<0.2	5	30	2	0.30	15	32	46	2.30	0.04	20	0.59	329	1	0.01	27	490	4	<5	4	11	0.12	38	<5	38		
<63um partial	2	1.29	0.4	5	30	2	0.31	15	35	47	2.39	0.04	20	0.61	339	1	0.01	28	520	6	<5	4	12	0.13	39	<5	39		
<63um partial	3	1.24	0.4	<5	30	2	0.30	15	35	45	2.29	0.04	20	0.58	326	<1	0.01	26	490	4	<5	4	11	0.12	37	<5	37		
<63um partial	3	1.22	0.2	<5	30	2	0.30	14	35	45	2.26	0.04	20	0.58	322	<1	0.01	26	490	6	<5	4	11	0.12	37	<5	37		
<63um partial	19	1.34	0.2	5	30	4	0.35	15	41	49	2.40	0.06	20	0.62	340	<1	0.01	27	480	<2	<5	5	14	0.14	41	<5	41		
<63um partial	8	1.42	0.2	<5	30	<2	0.44	15	40	51	2.53	0.06	20	0.66	364	<1	0.01	29	510	2	<5	5	17	0.16	44	<5	42		
<63um partial	53	1.32	<0.2	5	20	4	0.41	16	33	48	2.36	0.05	20	0.62	348	<1	0.01	28	510	8	<5	5	15	0.14	42	<5	39		
<63um total	4	5.85	<0.5	10	450	2	1.46	14	56	43	2.68	1.44		0.83	448	<1	2.04	28	460	4			244	0.27	59	<10	44		
<63um total	7	6.28	<0.5	10	470	<2	1.6	15	62	46	2.88	1.54		0.91	478	<1	2.13	32	480	8			258	0.28	63	<10	47		
<63um total	5	6.32	<0.5	9	480	<2	1.56	13	61	46	2.8	1.52		0.91	453	<1	2.14	28	440	10			259	0.32	61	<10	47		
<2um partial	nss	6.82	<0.2	30	120	<2	0.58	71	144	413	8.21	0.34	60	1.62	1772	4	1.57	143	>10000	30	10	30	29	0.29	107	<5	183		
<2um partial	nss	14.48	<0.2	60	280	<2	1.50	168	304	902	>15.0	0.82	140	3.56	4000	10	3.28	334	>10000	84	<5	72	70	0.76	250	<5	410		
<2um partial	nss	6.64	<0.2	50	110	<2	0.56	75	145	411	8.19	0.33	60	1.64	1855	4	1.12	149	>10000	38	5	33	28	0.30	112	<5	186		
Magnetic total	nss	0.8	<0.5		600	10	0.62	5	850	5	>25.0	0.01		0.31	1410	5	0.34	46	100	<2			32	1.79	1190	<100	174		
Magnetic total	<6	0.8	<0.5		460	10	0.87	5	770	5	>25.0	0.01		0.48	1650	5	0.33	51	100	2			37	2.19	1120	<100	162		
Magnetic total	<8	0.8	<0.5		490	10	0.73	5	850	5	>25.0	0.01		0.39	1490	5	0.32	50	100	2			35	1.92	1210	<100	188		

Replicate analyses of gold-bearing till; sample #8044 (same site as #098).

	Grains /10kg	Assay ppb	Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti ppm	V ppm	W ppm	Zn ppm	
HMCna	31	199	530		<5	8	<100			34	470		18		310				<2	0.23	<50			0.8	70.6				17	<200
HMCna	39	435	772		<5	7	<100			41	450		22		360				<2	0.33	<50			0.7	85.1				32	210
HMCna	34	939	721		<5	10	<100			33	420		19		330				<2	0.28	<50			0.6	86.8				16	220
<63um partial			24	0.65	<0.2	5	10	<2	5.84	7	19	23	1.40	0.04	<10	1.86	204	<1	0.01	11	540	2	<5	2	37	0.09	22	<5		23
<63um partial			20	0.67	<0.2	5	20	<2	5.99	7	23	23	1.45	0.04	<10	1.89	210	<1	0.01	13	570	<2	<5	2	39	0.10	24	<5		24
<63um partial			49	0.66	<0.2	<5	10	<2	5.90	7	25	23	1.43	0.04	<10	1.87	208	<1	0.01	11	570	<2	<5	2	39	0.10	23	<5		23
<63um partial			70	0.67	<0.2	<5	10	<2	6.06	7	23	24	1.46	0.04	<10	1.93	211	<1	0.01	11	570	2	<5	2	38	0.09	23	<5		24
<63um partial			33	0.66	<0.2	<5	20	<2	6.02	7	23	23	1.45	0.04	<10	1.91	211	<1	0.01	11	580	<2	<5	2	38	0.10	23	<5		24
<63um partial			19	0.70	<0.2	<5	20	2	6.37	8	27	25	1.53	0.05	<10	2.02	222	<1	0.01	12	600	2	<5	2	40	0.10	25	<5		25
<63um partial			24	0.67	<0.2	<5	20	<2	6.10	7	23	24	1.47	0.04	<10	1.93	213	<1	0.01	12	580	<2	<5	2	39	0.10	24	<5		24
<63um partial			26	0.69	<0.2	<5	20	<2	6.25	7	23	25	1.50	0.04	<10	1.98	218	<1	0.01	12	590	<2	<5	2	40	0.10	24	<5		25
<63um partial			20	0.70	<0.2	<5	20	<2	6.30	7	24	25	1.52	0.04	<10	1.99	220	<1	0.01	11	600	4	<5	2	41	0.10	24	<5		25
<63um partial			23	0.68	<0.2	<5	20	6	6.39	8	22	24	1.46	0.04	<10	1.90	225	<1	0.01	12	620	6	<5	3	43	0.10	26	<5		24
<63um partial			164	0.68	<0.2	5	20	2	6.43	8	20	24	1.47	0.04	<10	1.91	226	<1	0.01	13	610	2	<5	3	42	0.10	26	<5		24
<63um partial			27	0.63	<0.2	5	10	2	6.19	8	19	23	1.40	0.03	<10	1.86	214	<1	0.01	12	600	<2	<5	2	38	0.08	23	<5		23
<63um partial			45	0.70	<0.2	<5	20	4	6.81	8	22	25	1.54	0.04	<10	2.04	235	<1	0.01	12	650	2	<5	3	42	0.10	26	<5		25
<63um partial			33	0.63	<0.2	5	10	2	5.81	6	20	23	1.35	0.04	<10	1.81	196	<1	0.01	10	560	<2	<5	2	35	0.09	22	<5		22
<63um partial			32	0.66	<0.2	<5	10	2	6.05	7	20	24	1.41	0.04	<10	1.87	204	<1	0.01	11	600	4	<5	2	37	0.10	23	<5		23
<63um partial			12	0.63	<0.2	<5	10	2	5.87	7	20	24	1.37	0.04	<10	1.81	198	<1	0.01	10	570	2	<5	2	35	0.09	23	<5		24
<63um partial			34	0.62	<0.2	<5	10	4	5.74	7	20	22	1.33	0.04	<10	1.77	193	<1	0.01	10	570	<2	<5	2	34	0.09	21	<5		22
<63um partial			29	0.65	<0.2	10	10	2	6.10	7	18	24	1.40	0.03	<10	1.90	203	<1	0.01	10	590	2	<5	2	36	0.09	23	<5		23
<63um partial			31	0.63	<0.2	10	10	2	5.91	7	18	23	1.36	0.04	<10	1.83	196	<1	0.01	9	580	4	<5	2	35	0.08	22	<5		22
<63um partial			35	0.62	<0.2	<5	10	2	5.96	7	19	23	1.36	0.03	<10	1.85	197	<1	0.01	10	580	4	<5	2	34	0.08	22	<5		22
<63um partial			23	0.70	<0.2	<5	10	2	6.10	7	23	24	1.45	0.05	<10	1.87	210	<1	0.01	11	600	4	<5	3	40	0.11	25	<5		24
<63um partial			15	0.69	<0.2	5	10	2	6.05	7	20	23	1.42	0.04	<10	1.86	206	<1	0.01	10	600	<2	<5	3	39	0.11	24	<5		24
<63um partial			23	0.67	<0.2	<5	10	2	5.92	7	20	23	1.40	0.03	<10	1.83	201	<1	0.01	11	580	4	<5	3	38	0.10	24	<5		23
<63um partial			26	0.68	<0.2	<5	10	2	5.89	6	21	24	1.44	0.04	<10	1.90	201	<1	0.01	11	560	<2	<5	3	37	0.11	23	<5		24
<63um partial			24	0.69	<0.2	5	10	<2	5.95	7	18	24	1.46	0.03	<10	1.92	203	<1	0.01	10	560	<2	<5	2	37	0.11	23	<5		24
<63um partial			53	0.71	<0.2	10	10	<2	6.13	6	17	25	1.49	0.03	<10	1.97	208	<1	0.01	11	590	<2	<5	3	38	0.11	24	<5		25
<63um partial			48	0.70	<0.2	<5	10	<2	5.98	7	21	23	1.47	0.04	<10	1.91	205	<1	0.01	11	580	<2	<5	3	39	0.11	24	<5		24
<63um partial			19	0.74	<0.2	<5	10	<2	6.12	6	18	24	1.50	0.04	<10	1.96	209	<1	0.01	11	580	6	<5	3	41	0.11	24	<5		24
<63um partial			25	0.76	<0.2	5	10	<2	6.17	6	19	24	1.53	0.04	<10	1.97	214	<1	0.01	10	570	4	<5	3	42	0.12	25	<5		25
<63um partial			39	0.76	<0.2	<5	10	<2	6.26	7	20	25	1.55	0.04	<10	2.00	215	<1	0.01	11	590	2	<5	3	42	0.12	25	<5		25
<63um partial			31	0.71	<0.2	5	10	2	5.60	7	21	25	1.42	0.04	<10	1.86	208	<1	0.01	12	490	4	<5	3	40	0.10	24	<5		25
<63um partial			96	0.74	<0.2	5	10	2	5.91	8	21	26	1.53	0.04	<10	1.88	221	<1	0.01	13	540	<2	<5	3	42	0.11	26	<5		26
<63um partial			28	0.70	<0.2	5	10	4	5.99	8	22	27	1.47	0.04	<10	1.87	218	<1	0.01	12	570	4	<5	2	40	0.09	25	<5		25
<63um total			45	5.12	<0.5	9	390	6	6.72	9	30	26	1.99	1.31		2.07	329	<1	2.05	14	560	6			251	0.21	42	<10		33
<63um total			38	5.21	<0.5	9	390	2	6.53	9	39	26	2.01	1.31		2.02	329	<1	2.04	15	540	4			249	0.21	41	<10		33
<63um total			69	5.09	<0.5	9	390	2	6.12	6	37	27	1.92	1.26		1.98	309	<1	1.99	15	520	4			243	0.23	39	<10		32
<2um partial		nss		3.30	<0.2	5	90	<2	6.58	24	77	246	4.43	0.30	<10	2.40	647	1	0.80	59	6520	10	<5	9	61	0.16	57	5	153	
<2um partial		nss		3.58	<0.2	15	110	<2	5.69	27	77	296	4.66	0.35	<10	2.28	693	1	1.00	65	7940	14	5	10	59	0.15	61	<5		174
<2um partial		nss		3.76	<0.2	35	120	<2	6.71	28	82	292	4.88	0.37	<10	2.50	747	1	0.77	69	5580	18	15	11	66	0.17	66	5	177	
Magnetic total			<6	0.7	<0.5		620	10	0.66	5	990	5	>25.0	0.01		0.30	1120	5	0.30	48	100	<2			32	1.30	1130	<100		164
Magnetic total			<6	0.7	<0.5		530	10	0.66	5	1020	5	>25.0	0.01		0.32	1190	5	0.35	52	100	2			30	1.29	1180	<100		154
Magnetic total			<8	0.6	<0.5		540	10	0.64	5	1020	5	>25.0	0.01		0.29	1180	5	0.27	55	200	2			29	1.41	1200	<100		168

Replicate analyses of gold-bearing till; sample #8045 (same site as #607).

Gold Predicted		Grains /10kg	Assay ppb	Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Bi ppm	Ca %	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti ppm	V ppm	W ppm	Zn ppm
HMCna	94	1147	1044		<5	5	<100				32	510		22		332			<2	0.20	<50			0.8	77.6				20	104
HMCna	88	1048	845		<5	6	<100				30	470		19		316			<2	0.32	<50			0.9	87.1				16	<200
HMCna	54	857	978		<5	5	<100				31	520		22		356			<2	0.32	<50			0.7	88.3				14	<200
<63um partial		38	0.94	<0.2	5	20	<2	0.37	7	22	23	1.74	0.03	20	0.31	269	1	0.01	12	630	6	<5	3	15	0.13	30	<5	78		
<63um partial		33	0.90	<0.2	5	20	<2	0.34	7	19	22	1.71	0.03	20	0.30	258	1	0.01	13	620	6	<5	3	14	0.12	29	<5	76		
<63um partial		33	0.95	0.4	<5	20	<2	0.39	7	24	22	1.72	0.04	20	0.31	270	<1	0.01	12	630	4	<5	3	17	0.13	31	<5	78		
<63um partial		45	0.91	0.2	<5	20	2	0.37	7	24	21	1.67	0.04	20	0.30	263	1	0.01	11	630	8	<5	3	16	0.12	30	<5	76		
<63um partial		51	0.95	<0.2	5	20	<2	0.38	7	25	23	1.75	0.04	20	0.32	281	1	0.01	12	640	6	<5	3	16	0.13	31	<5	80		
<63um partial		46	0.88	0.2	<5	10	<2	0.35	7	24	21	1.63	0.03	10	0.29	258	1	0.01	12	600	6	<5	3	15	0.12	29	<5	74		
<63um partial		21	0.90	0.2	<5	20	<2	0.36	7	23	21	1.65	0.04	20	0.30	262	1	0.01	12	610	6	<5	3	16	0.12	30	<5	74		
<63um partial		45	0.92	<0.2	5	20	<2	0.37	7	21	21	1.69	0.03	20	0.30	269	1	0.01	12	610	8	<5	3	16	0.13	30	<5	76		
<63um partial		29	0.87	0.2	<5	10	<2	0.34	7	22	21	1.62	0.04	20	0.29	256	1	0.01	11	600	6	<5	3	14	0.12	29	<5	73		
<63um partial		50	0.88	0.2	<5	10	<2	0.35	7	21	21	1.64	0.03	10	0.30	260	1	0.01	12	600	6	<5	3	15	0.12	29	<5	74		
<63um partial		15	0.93	<0.2	5	20	<2	0.36	8	22	22	1.71	0.03	20	0.31	283	<1	0.01	10	630	<2	<5	3	18	0.13	33	<5	77		
<63um partial		32	0.95	0.2	<5	20	2	0.38	8	20	22	1.74	0.03	20	0.32	289	<1	0.01	10	650	<2	<5	3	19	0.13	34	<5	79		
<63um partial		22	0.93	0.2	<5	20	<2	0.37	8	22	21	1.71	0.04	20	0.31	280	<1	0.02	11	620	<2	<5	3	18	0.12	33	<5	77		
<63um partial		85	0.96	0.2	5	20	2	0.38	8	21	22	1.74	0.04	20	0.32	293	<1	0.02	11	650	<2	<5	3	18	0.13	34	<5	80		
<63um partial		30	0.97	0.2	<5	20	<2	0.39	8	21	22	1.75	0.04	20	0.32	295	<1	0.02	12	660	<2	<5	3	20	0.13	34	<5	80		
<63um partial		41	0.98	0.2	<5	20	<2	0.41	8	24	22	1.79	0.04	20	0.32	295	<1	0.02	12	660	<2	<5	3	21	0.14	35	<5	79		
<63um partial		18	0.97	0.2	<5	20	<2	0.39	8	21	22	1.75	0.04	20	0.33	301	<1	0.02	12	650	<2	<5	3	19	0.13	34	<5	81		
<63um partial	149	0.94	0.2	<5	20	<2	0.38	8	22	21	1.69	0.03	20	0.31	288	<1	0.01	12	630	<2	<5	3	19	0.13	33	<5	78			
<63um partial		48	0.94	0.2	<5	20	<2	0.39	8	22	21	1.70	0.03	20	0.31	285	<1	0.02	11	630	<2	<5	3	20	0.13	33	<5	77		
<63um partial		95	0.93	<0.2	5	20	<2	0.38	8	20	21	1.69	0.03	20	0.31	284	<1	0.02	12	630	<2	<5	3	19	0.13	33	<5	76		
<63um partial		32	0.95	0.2	5	20	<2	0.39	9	23	22	1.67	0.04	20	0.31	304	<1	0.01	13	650	10	<5	3	20	0.13	34	<5	79		
<63um partial		32	0.90	0.2	10	20	2	0.36	8	21	21	1.59	0.03	20	0.30	288	1	0.01	13	630	8	<5	3	17	0.12	32	<5	75		
<63um partial		28	0.91	0.2	<5	20	2	0.35	8	21	22	1.61	0.04	20	0.30	300	<1	0.02	12	600	6	<5	3	18	0.12	31	<5	77		
<63um partial		22	0.88	<0.2	<5	20	2	0.34	7	20	21	1.61	0.03	20	0.30	296	<1	0.01	13	580	6	<5	3	17	0.12	31	<5	76		
<63um partial		22	0.86	0.2	5	10	2	0.32	7	20	21	1.52	0.03	20	0.29	293	1	0.01	12	560	8	<5	3	16	0.11	29	<5	75		
<63um partial		96	0.91	<0.2	5	20	<2	0.34	8	18	22	1.61	0.03	20	0.31	307	<1	0.02	12	580	2	<5	3	18	0.12	31	<5	77		
<63um partial		47	0.92	0.2	5	20	2	0.36	8	21	22	1.64	0.03	20	0.31	311	<1	0.02	12	580	6	<5	3	19	0.12	32	<5	78		
<63um partial		12	0.85	0.2	<5	10	2	0.34	7	19	20	1.50	0.03	20	0.29	291	<1	0.01	11	530	2	<5	3	17	0.11	29	<5	73		
<63um partial		24	0.91	<0.2	<5	20	2	0.37	7	22	21	1.60	0.04	20	0.31	303	<1	0.02	11	570	4	<5	3	20	0.12	32	<5	76		
<63um partial		46	0.78	0.2	<5	10	2	0.32	7	20	18	1.51	0.03	20	0.27	265	<1	0.01	10	540	6	<5	2	16	0.11	30	<5	66		
<63um partial		55	0.92	<0.2	10	20	2	0.28	8	23	25	1.60	0.02	10	0.32	310	<1	0.01	12	540	6	<5	2	10	0.10	27	<5	84		
<63um partial		48	0.91	<0.2	5	10	<2	0.31	8	21	23	1.64	0.02	20	0.32	302	<1	0.01	12	550	4	<5	2	12	0.10	28	<5	83		
<63um partial		33	1.05	0.2	5	20	4	0.40	11	30	26	2.08	0.06	30	0.58	403	<1	0.01	19	690	2	<5	4	18	0.11	31	<5	33		
<63um total		33	5.54	<0.5	10	470	<2	1.31	8	38	21	1.93	1.49		0.52	402	<1	1.99	14	510	8			254	0.22	42	<10	79		
<63um total		48	5.83	<0.5	9	490	<2	1.38	9	39	22	2.02	1.57		0.55	408	<1	2.12	14	510	12			268	0.23	43	<10	82		
<63um total		24	6.01	<0.5	10	450	<2	1.31	8	44	26	2.49	1.45		0.82	478	<1	2.16	22	620	6			235	0.31	48	<10	41		
<2um partial		nss	>15.0	<0.2	20	240	<2	1.66	112	224	578	13.16	0.60	100	2.62	3890	14	3.82	164	>10000	136	<5	38	66	0.74	156	<5	1398		
<2um partial		nss	>15.0	<0.2	10	240	<2	1.04	106	212	552	12.50	0.62	100	2.24	3650	10	4.10	150	>10000	116	<5	40	50	0.72	146	<5	1320		
<2um partial		nss	>15.0	<0.2	30	260	<2	1.06	114	210	600	13.32	0.64	100	2.48	4040	12	2.64	170	>10000	120	<5	42	52	0.80	158	<5	1438		
Magnetic total		230	0.7	<0.5		750	10	0.49	5	1170	5	>25.0	0.01		0.23	1050	5	0.38	51	50	<2			35	1.25	1270	<100	224		
Magnetic total		4	0.8	<0.5		680	10	0.62	5	1080	5	>25.0	0.01		0.32	1180	5	0.35	50	50	2			38	1.44	1230	<100	190		
Magnetic total		<4	0.7	<0.5		680	10	0.42	5	1140	5	>25.0	0.01		0.21	1050	5	0.43	55	50	2			27	1.24	1290	<100	192		

Replicate analyses of gold-bearing till; sample #8046 (same site as #609).

Gold Predicted		Grains Assay		Au		Al	Ag	As	Ba	Bi	Ca	Co	Cr	Cu	Fe	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	V	W	Zn
/10kg		ppb	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HMCna	13	86	225		<5	10	<100					40	450		20		300				<2	0.29	<50		1.3	84.0				40	220
HMCna	13	90	280		<5	10	<100					39	460		20		320				<2	0.31	<50		1.3	77.5				39	<200
HMCna	7	36	280		<5	12	<100					31	400		20		320				<2	0.18	<50		1.4	81.5				37	<200
<63um	partial	48	1.15	0.4	5	30	<2	0.53	11	28	25	2.26	0.06	40	0.59	435	<1	0.02	18	850	4	<5	5	31	0.14	37	<5	34			
<63um	partial	7	1.14	0.2	5	30	<2	0.52	10	28	25	2.25	0.06	40	0.59	434	<1	0.02	18	840	6	<5	5	30	0.14	37	<5	34			
<63um	partial	13	1.15	0.2	5	30	<2	0.52	11	28	26	2.28	0.06	40	0.59	437	1	0.02	18	840	4	<5	5	30	0.15	37	<5	34			
<63um	partial	24	1.14	0.2	<5	30	<2	0.51	10	29	26	2.25	0.06	40	0.59	433	<1	0.02	18	840	8	<5	5	29	0.14	37	<5	34			
<63um	partial	20	1.11	<0.2	5	30	<2	0.48	10	27	25	2.24	0.06	30	0.58	430	<1	0.02	18	830	8	<5	5	27	0.13	36	<5	34			
<63um	partial	10	1.06	0.2	5	20	<2	0.46	10	27	24	2.12	0.05	30	0.56	407	<1	0.02	18	810	4	<5	5	25	0.12	34	<5	32			
<63um	partial	27	1.04	0.2	5	20	<2	0.44	10	27	24	2.08	0.06	30	0.55	403	<1	0.01	17	800	4	<5	5	24	0.12	33	<5	32			
<63um	partial	18	1.08	0.4	5	30	<2	0.44	10	28	25	2.16	0.06	30	0.57	410	<1	0.01	18	810	8	<5	5	24	0.12	34	<5	34			
<63um	partial	77	1.13	0.4	<5	30	<2	0.48	10	32	26	2.26	0.07	30	0.59	427	<1	0.02	19	860	6	<5	5	26	0.14	36	<5	35			
<63um	partial	47	1.14	0.4	5	30	<2	0.49	10	30	26	2.24	0.06	30	0.59	426	<1	0.02	19	810	4	<5	5	28	0.14	36	<5	34			
<63um	partial	20	1.13	0.6	10	30	<2	0.49	10	27	25	2.22	0.06	30	0.59	422	<1	0.02	19	810	6	<5	5	28	0.14	36	<5	34			
<63um	partial	19	1.12	0.2	5	30	2	0.48	9	28	25	2.16	0.06	30	0.57	409	<1	0.02	18	770	6	<5	5	28	0.14	34	<5	33			
<63um	partial	13	1.14	0.4	5	30	2	0.49	10	28	26	2.24	0.06	30	0.59	419	<1	0.02	20	800	6	<5	5	28	0.14	35	<5	34			
<63um	partial	11	1.14	0.4	<5	30	2	0.49	10	29	26	2.25	0.06	30	0.59	420	<1	0.02	20	820	8	<5	5	28	0.14	35	<5	35			
<63um	partial	23	1.09	0.4	<5	30	2	0.46	9	29	25	2.16	0.06	30	0.57	406	<1	0.01	19	780	6	<5	5	26	0.14	34	<5	33			
<63um	partial	11	1.15	0.2	5	30	<2	0.48	9	28	26	2.25	0.06	30	0.60	408	<1	0.01	18	780	4	<5	5	27	0.15	34	<5	34			
<63um	partial	10	1.13	0.4	5	30	<2	0.48	9	29	25	2.19	0.06	30	0.57	394	<1	0.02	18	750	8	<5	5	29	0.14	33	<5	34			
<63um	partial	21	1.20	0.4	<5	30	<2	0.53	10	32	26	2.33	0.07	30	0.61	418	<1	0.02	19	790	4	<5	5	32	0.16	36	<5	35			
<63um	partial	39	1.25	0.4	<5	30	2	0.55	10	32	27	2.41	0.07	40	0.63	434	1	0.02	18	820	6	<5	6	34	0.16	37	<5	36			
<63um	partial	17	1.13	0.4	<5	30	<2	0.50	9	28	25	2.20	0.06	30	0.57	395	<1	0.02	18	760	4	<5	5	30	0.15	34	<5	33			
<63um	partial	12	1.12	<0.2	5	30	<2	0.47	9	25	25	2.17	0.05	30	0.57	392	1	0.02	17	750	4	<5	5	28	0.15	33	<5	33			
<63um	partial	12	1.10	0.4	<5	30	<2	0.45	9	27	25	2.16	0.06	30	0.57	394	<1	0.02	17	730	4	<5	5	26	0.14	32	<5	33			
<63um	partial	30	1.13	0.4	<5	30	<2	0.46	9	28	26	2.21	0.06	30	0.59	404	<1	0.02	18	750	4	<5	5	26	0.14	33	<5	34			
<63um	partial	6	1.12	0.4	10	30	<2	0.45	9	28	25	2.21	0.06	30	0.59	403	1	0.02	18	740	4	<5	5	26	0.14	33	<5	34			
<63um	partial	14	1.19	0.4	<5	30	<2	0.51	10	30	26	2.32	0.06	30	0.61	420	<1	0.02	19	790	4	<5	5	30	0.15	35	<5	36			
<63um	partial	10	1.11	0.4	<5	30	2	0.48	9	30	25	2.15	0.07	30	0.57	400	<1	0.02	17	750	4	<5	5	28	0.14	34	<5	34			
<63um	partial	16	1.22	0.4	10	30	<2	0.53	10	31	27	2.33	0.07	30	0.62	434	1	0.02	20	820	4	<5	5	32	0.15	37	<5	36			
<63um	partial	9	1.23	0.4	5	30	2	0.54	10	33	27	2.37	0.07	40	0.63	438	1	0.02	19	830	4	<5	6	32	0.15	37	<5	37			
<63um	partial	7	1.15	0.4	5	30	4	0.49	10	31	26	2.25	0.07	30	0.60	417	<1	0.02	18	790	2	<5	5	29	0.14	35	<5	35			
<63um	partial	26	1.15	0.4	10	30	<2	0.49	10	30	26	2.25	0.06	30	0.59	416	1	0.02	18	800	6	<5	5	29	0.14	35	<5	35			
<63um	partial	40	1.15	0.2	5	30	2	0.38	11	32	30	2.24	0.05	30	0.63	419	<1	0.01	22	700	8	<5	5	17	0.12	32	<5	40			
<63um	partial	13	1.12	0.4	5	30	4	0.40	11	29	28	2.24	0.05	30	0.61	413	<1	0.01	19	680	6	<5	5	19	0.12	32	<5	37			
<63um	partial	53	0.84	<0.2	5	10	2	0.27	8	20	22	1.48	0.02	10	0.29	296	<1	0.01	11	520	2	<5	2	11	0.10	27	<5	74			
<63um	total	19	5.83	<0.5	12	440	2	1.3	9	46	25	2.47	1.45		0.78	486	<1	2.11	20	660	4			231	0.26	50	<10	41			
<63um	total	12	5.84	<0.5	11	440	<2	1.29	9	43	25	2.46	1.45		0.77	474	<1	2.12	22	620	6			233	0.26	49	<10	40			
<63um	total	37	5.57	<0.5	10	470	2	1.25	8	39	20	1.89	1.46		0.52	382	<1	1.96	15	470	10			252	0.24	40	<10	78			
<2um	partial	nss	5.99	<0.2	40	160	<2	0.66	38	113	366	7.28	0.40	100	2.01	1776	4	1.46	92	>10000	26	10	35	40	0.23	77	<5	173			
<2um	partial	nss	6.27	<0.2	35	170	<2	0.56	42	113	383	7.23	0.48	110	1.92	1823	3	1.45	95	>10000	34	5	40	38	0.24	80	<5	178			
<2um	partial	nss	5.80	<0.2	35	150	<2	0.55	40	109	333	6.96	0.43	100	1.89	1795	2	0.89	88	7420	26	5	36	36	0.26	79	<5	163			
Magnetic	total	<6	0.6	<0.5		370	10	0.60	5	940	5	>25.0	0.01		0.26	1350	5	0.19	48	100	<2			25	1.86	1150	<100	164			
Magnetic	total	<6	0.7	<0.5		570	10	0.63	5	940	5	>25.0	0.01		0.28	1360	5	0.36	47	200	2			29	1.80	1170	<100	162			
Magnetic	total	<6	0.7	<0.5		680	10	0.71	5	960	5	>25.0	0.01		0.31	1480	5	0.34	48	200	2			34	1.92	1180	<100	158			

Appendix 10

**Geochemical Analysis
of Nonmagnetic Heavy Mineral Concentrates**

Geochemical analysis of nonmagnetic -10 mesh >3.36 (methylene iodide) heavy mineral concentrate; 7/8 split.

Direct irradiation/INAA; detection limits elevated for <20g; >100 micron visible gold removed before analysis: * = hundreds, ** = thousands of ppb.

Heavy Min Detection Limit:	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Rare earth elements:										Weight
	1	5	10	50	1	2	2	50	0.2	1	1	2	500	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	0.01	
	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	

C horizon surface till samples; oxidized/sulphides absent; sampling depth ~0.8m.

Number:	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
Minimum:	<2	<5	22	160	16	16	<2	<50	<0.2	2	1	<2	700	30	<2	18	0.6	42.1	4.8	<1	6	<5		0.31
Mean:	7	188	43	590	26	346	2	<50	0.6	14	27	31	16000	940	7	522	4.1	83.8	76.3	8	222	28		9.53
Maximum:	173	22500	380	1300	36	846	94	408	6.9	64	303	4580	36000	10600	35	5520	15.0	156.0	825.0	66	3060	90		57.81
Location Map A:																								
42 H	7	12	40	590	28	373	<2	<50	0.6	13	26	10	18000	930	7	530	4.2	73.3	78.3	7	238	27		10.76
43 H	5	29	30	590	26	399	<2	<50	0.5	12	27	7	20000	960	8	573	4.2	76.0	78.7	10	230	27		6.48
44 H	5	210	41	730	31	416	4	<50	0.4	13	28	13	21000	1100	8	604	4.6	76.3	85.8	9	276	28		4.60
94 H	2	250	95	260	20	89	<2	210	<0.2	5	7	4	4300	200	<2	120	1.6	59.5	21.0	3	42	9		23.00
95 H	2	181	152	260	24	56	<2	360	0.2	3	4	3	2900	120	2	66	1.1	58.2	13.2	2	23	7		57.81
96 H	4	887	39	770	23	377	<2	<50	0.6	12	24	18	19000	690	7	380	4.0	77.2	65.8	7	145	24		12.96
97 H	7	46	36	510	24	372	<2	<50	0.5	13	25	7	18000	770	5	450	3.9	67.9	69.5	7	199	23		13.58
98 H**	10	653	47	450	21	271	4	62	0.8	13	20	48	14000	590	5	320	2.9	74.2	59.9	7	131	22		6.25
634 H	4	200	63	380	18	214	3	100	0.3	7	15	7	11000	410	4	230	2.1	57.2	39.0	5	108	13		6.94
636 H	100	12100	63	590	26	421	<2	<50	1.1	11	24	19	20000	720	7	430	4.0	71.2	58.8	7	185	24		3.91
645 H*	5	963	35	510	22	237	4	<50	0.4	10	16	11	12000	540	3	300	3.1	75.7	49.0	6	122	20		10.89
646 H	5	270	31	590	23	310	<2	<50	0.5	10	20	23	15000	590	5	340	3.9	76.8	51.9	7	139	23		11.94
647 H*	3	150	42	430	20	190	<2	<50	0.4	8	15	40	10000	510	4	290	2.8	74.0	49.0	6	122	18		13.68
648 H	3	685	53	410	21	203	<2	80	0.4	8	14	30	10000	470	5	270	3.0	70.9	42.0	5	105	17		15.63
649 H	3	79	110	340	23	104	<2	260	0.2	5	7	4	4900	230	2	125	1.9	63.1	21.5	3	54	11		26.73
653 H*	12	370	58	600	30	223	<2	<50	0.6	12	19	12	11000	630	3	360	3.7	82.7	54.7	7	157	22		7.87
654 H	4	140	41	490	23	294	<2	<50	0.5	11	20	16	15000	540	3	320	2.9	63.3	51.2	6	161	19		6.35
655 H	5	77	41	590	28	374	<2	<50	0.5	12	23	7	18000	750	7	440	4.1	74.3	63.8	7	196	25		12.74
656 H	4	96	34	540	25	274	<2	55	0.4	13	19	13	14000	680	7	390	3.7	74.9	63.0	6	161	23		14.82
657 H	4	100	33	560	26	323	3	<50	0.4	10	21	6	16000	640	6	370	4.0	74.0	53.5	6	148	22		11.86
658 H	3	130	33	920	25	275	4	<50	0.4	11	20	<5	14000	710	6	400	3.9	74.4	60.9	6	158	22		9.77
659 H	3	<5	32	590	26	279	3	<50	0.4	11	19	<5	14000	750	6	420	4.0	72.6	61.2	6	169	25		9.18
660 H	5	76	37	520	25	208	3	<50	0.2	10	16	<5	11000	650	5	370	3.5	72.6	56.9	6	145	22		11.19
661 H	7	<5	66	560	25	257	<2	<50	0.4	11	20	8	14000	780	6	450	3.7	69.9	68.2	7	193	23		9.73
662 H*	5	<5	36	510	27	200	<2	<50	0.4	10	17	<5	10000	680	7	410	3.5	71.7	62.2	6	170	21		15.50
663 H	4	40	34	490	27	249	<2	<50	0.4	9	19	9	13000	640	4	380	3.4	64.3	53.6	6	163	19		16.18
664 H	4	44	32	500	25	266	3	<50	0.4	11	20	<5	13000	780	5	452	3.7	69.8	66.4	7	187	23		11.52
665 H	4	20	31	510	24	240	<2	<50	0.4	11	20	9	12000	680	6	380	3.6	69.0	62.2	7	169	21		11.44
666 H	4	14	42	590	26	319	<2	<50	0.5	12	26	12	15000	850	5	490	4.1	78.6	74.5	8	211	27		10.38
667 H	8	34	33	580	24	267	<2	<50	0.4	12	21	13	13000	730	6	432	4.1	76.2	63.7	7	175	24		13.60
668 H	8	73	59	520	26	286	<2	<50	0.5	11	22	<6	15000	870	6	490	4.5	76.9	72.5	8	206	26		8.55
669 H*	3	66	35	560	25	333	<2	<50	0.3	12	23	12	16000	800	5	450	4.0	76.6	67.8	7	188	26		7.94
670 H	4	<5	28	520	25	256	<2	<50	0.4	11	21	10	13000	780	6	450	3.6	75.6	68.9	7	191	23		13.24
671 H	<2	17	30	530	23	262	<2	<50	0.3	10	19	17	13000	740	7	430	3.4	70.3	66.5	7	177	23		9.61
672 H	10	<5	44	540	25	277	<2	<50	0.5	12	22	10	15000	830	6	480	3.7	70.2	72.9	7	216	22		10.62
673 H	5	91	35	510	23	336	<2	66	0.5	16	29	9	17000	800	8	480	4.0	74.3	84.7	9	231	24		8.79
674 H*	5	<5	39	510	25	325	<2	52	0.4	14	27	19	16000	910	7	518	4.3	78.4	82.2	9	237	26		10.30
675 H	5	82	34	540	24	347	<2	<50	0.5	14	26	16	16000	840	6	480	4.2	77.5	76.2	8	209	29		8.40
676 H*	3	130	34	530	24	323	<2	<50	0.4	13	21	45	16000	750	7	430	3.9	79.8	67.1	7	176	24		13.88
677 H	4	13	37	570	27	320	<2	<50	0.5	15	23	7	16000	770	9	450	4.5	88.0	70.4	7	182	28		11.78
678 H	2	88	43	550	25	334	<2	<50	0.4	13	24	23	16000	770	6	460	4.6	80.7	72.2	8	190	26		14.08

	Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight	
679	H		5	18	37	500	25	344	<2	<50	0.6	13	23	16	18000	690	5	420	4.3	78.9	64.5	7	174	24	15.39	
680	H		4	300	48	600	28	387	<2	<50	0.4	14	26	22	19000	880	7	517	5.1	86.3	75.7	9	223	29	8.02	
681	H		4	140	30	610	29	371	<2	<50	0.6	16	26	14	19000	920	10	534	4.6	85.0	79.5	8	233	29	10.08	
682	H		3	59	40	540	25	314	3	<50	0.4	13	22	30	16000	750	4	440	4.4	83.9	69.3	8	177	25	11.98	
683	H		4	420	32	500	23	324	<2	<50	0.5	12	23	18	15000	690	6	410	4.5	79.1	67.8	7	172	26	15.12	
684	H		5	24	44	570	24	364	<2	<50	0.6	14	23	17	18000	760	9	440	4.6	85.1	72.6	8	183	29	9.85	
685	H		6	110	33	600	27	343	<2	<50	0.7	17	25	15	18000	880	6	528	4.3	77.1	77.0	8	237	25	10.64	
686	H		6	38	42	620	27	351	4	55	0.7	14	23	17	18000	810	6	460	4.4	79.5	71.7	8	195	25	8.64	
687	H		4	66	38	640	28	487	<2	<50	0.5	15	31	15	23000	1070	5	648	4.7	78.9	91.6	10	278	31	8.58	
688	H		7	35	34	640	29	371	2	<50	0.5	16	27	20	19000	880	7	506	4.5	83.4	81.2	9	216	27	17.10	
689	H		7	<5	40	600	29	343	<2	<50	0.6	15	26	12	18000	980	8	595	4.4	81.7	87.3	9	260	29	11.53	
690	H		4	<12	41	650	30	397	<2	<50	0.5	15	28	<8	20000	990	9	587	4.7	87.3	87.3	9	248	31	7.90	
691	H		5	41	33	650	30	373	<2	<50	0.5	17	26	<8	19000	950	5	547	4.5	75.6	78.7	8	254	26	8.02	
692	H*		5	210	36	500	23	388	3	<50	0.5	16	25	16	20000	660	5	390	3.9	72.0	70.8	8	170	24	11.62	
693	H		4	55	33	530	24	295	<2	<50	0.5	13	22	8	15000	800	6	460	3.9	73.8	73.8	8	183	26	8.22	
694	H		5	110	38	680	26	336	<2	<50	0.5	15	21	12	16000	780	6	440	4.4	80.8	68.7	8	184	28	8.53	
695	H		4	170	36	530	26	275	<2	<50	0.5	13	20	10	13000	680	6	400	3.9	77.8	62.3	7	163	24	11.78	
697	H		6	83	35	540	26	332	3	53	0.6	12	23	15	17000	830	5	470	4.3	76.9	71.5	8	189	25	10.51	
8041	H		32	2990	47	530	25	202	<2	<50	0.7	11	15	32	8100	520	5	260	2.1	80.9	38.0	4	96	18	7.14	
8042	H		<1	2360	95	290	21	83	<2	160	0.2	4	7	<7	2800	230	2	110	1.2	65.2	19.0	2	45	9	25.68	
8043	H		8	1070	42	430	21	170	<2	<50	0.5	9	15	<9	7400	540	7	260	2.4	80.1	42.0	5	94	17	17.97	
8044	H		8	2110	35	450	19	272	<2	<50	0.7	13	24	40	11000	660	8	330	2.3	72.6	59.7	7	144	19	12.24	
8049	H		4	97	33	600	26	355	<2	<50	0.4	14	29	10	14000	980	5	513	4.0	92.0	70.5	8	200	31	16.90	
Location Map B:																										
47	H		5	61	30	560	26	401	<2	55	0.5	13	28	19	21000	920	6	530	3.7	73.0	85.2	9	238	25	7.35	
48	H		5	65	45	710	26	445	5	<50	0.6	15	31	16	21000	1040	10	593	5.1	83.4	89.5	9	272	30	6.75	
49	H		8	44	45	690	27	395	<2	<50	0.5	12	28	13	18000	1040	6	566	4.5	85.4	87.6	10	241	29	7.03	
61	H		5	45	57	440	18	203	5	94	0.4	11	16	<4	9800	560	6	300	2.7	75.3	58.4	6	107	16	11.94	
62	H		8	150	44	440	21	214	2	<50	1.9	9	15	13	10000	490	4	280	2.8	69.0	52.7	6	100	18	16.91	
63	H		7	54	49	510	19	271	<2	79	1.1	10	19	9	13000	620	5	350	3.5	71.5	61.5	7	125	20	17.15	
64	H		7	20	48	520	19	241	3	<50	0.6	8	16	<4	11000	660	6	350	3.2	73.0	61.6	6	127	20	12.78	
600	H		<5	<10	36	500	27	294	<2	<50	0.3	14	22	66	15000	760	7	430	5.9	90.8	65.9	8	184	40	9.08	
601	H		<4	<5	37	540	26	280	<2	<50	0.4	14	21	<13	13000	850	4	490	4.8	82.0	69.8	8	201	29	12.95	
602	H		7	<11	44	550	27	354	<2	<50	0.5	12	24	<14	17000	910	7	542	4.4	83.6	77.1	8	222	29	12.62	
603	H		9	<17	50	670	31	430	<4	<50	0.5	19	30	78	22000	1090	12	596	5.8	91.6	87.4	9	263	34	4.95	
604	H		7	110	35	660	31	383	<2	50	0.8	18	29	18	20000	1070	8	589	5.5	95.7	84.4	10	276	31	8.32	
605	H		9	54	36	630	26	391	<2	<50	0.8	12	24	<12	19000	720	5	420	4.2	74.7	56.7	7	182	27	14.85	
606	H*		8	99	37	610	31	356	<2	53	0.5	14	25	32	18000	890	8	519	4.7	83.8	69.7	7	254	30	12.64	
607	H		9	1070	33	570	24	382	<2	<50	1.0	13	25	24	19000	760	7	420	4.4	84.7	66.4	8	179	29	13.11	
608	H**		32	3680	56	530	26	389	<2	<50	1.5	16	24	130	19000	780	9	430	4.9	87.9	70.3	8	172	27	9.08	
609	H*		11	1030	44	470	24	599	<2	<50	1.5	17	28	40	31000	630	6	370	6.7	82.6	55.3	8	137	38	15.45	
610	H		26	490	83	590	33	235	<2	<50	1.1	11	19	25	11000	750	5	430	3.9	76.8	59.5	7	210	25	12.37	
611	H		11	<19	39	650	29	645	<5	53	0.9	11	39	<24	31000	970	<2	545	5.5	97.5	67.8	8	271	28	3.85	
612	H*		27	22	42	390	32	170	<2	54	6.9	7	13	19	8600	430	3	250	2.0	47.0	39.0	4	114	13	13.24	
613	H		7	<11	36	500	22	305	<2	<50	0.6	18	26	20	15000	810	6	460	4.5	78.3	74.2	8	192	27	12.70	
614	H		17	50	36	500	29	317	4	56	4.4	11	22	<16	17000	710	7	380	3.8	73.6	63.2	7	154	23	13.71	
615	H		5	88	38	590	24	311	<2	<50	0.8	11	22	19	15000	740	6	410	4.0	80.5	63.9	7	179	23	12.61	
616	H		<6	32	35	650	25	403	<2	<50	0.5	17	25	<18	19000	1010	9	566	4.4	87.4	85.7	9	220	31	7.60	
617	H		8	71	29	640	24	417	4	55	0.7	13	24	15	20000	800	6	440	4.4	81.2	64.6	8	183	26	10.61	
618	H		6	120	38	660	26	358	<2	<50	2.2	15	24	<15	18000	800	7	450	4.1	79.7	71.1	8	187	25	10.40	
619	H		<6	76	36	860	31	541	<2	<50	1.1	16	32	28	27000	1020	6	602	5.2	88.1	74.0	8	281	33	8.49	
620	H		7	190	36	730	27	423	<2	57	1.0	17	27	17	21000	890	7	500	5.2	93.3	72.5	8	223	29	12.23	
621	H		11	49	51	570	29	218	<2	63	1.2	13	18	<13	11000	650	5	360	4.1	76.7	56.8	7	159	24	13.36	

Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
622	H	6	757	43	680	26	326	<2	67	1.6	11	25	18	16000	850	6	470	4.1	78.9	74.6	9	218	26	7.88
623	H	9	<5	46	540	28	270	<2	<50	2.3	9	18	<12	13000	590	5	350	3.3	71.5	50.7	6	153	21	15.15
624	H	9	41	46	530	28	269	<2	72	2.2	24	19	<16	13000	750	7	420	3.3	74.8	65.1	7	183	19	8.61
625	H*	9	220	62	640	28	352	5	60	0.9	15	28	24	19000	1130	11	621	4.6	91.0	92.0	9	277	29	5.02
626	H*	11	31	58	600	26	273	<2	69	0.7	9	19	<19	14000	810	4	450	3.7	86.8	63.2	6	194	22	5.55
627	H	18	47	72	660	28	300	<2	84	1.0	15	22	<18	15000	860	8	460	3.7	80.1	74.0	8	197	23	7.24
628	H	15	210	58	520	25	233	4	82	0.4	11	17	<18	12000	570	4	310	3.0	83.5	49.0	6	145	20	6.59
629	H*	<12	50	42	770	30	596	<7	<58	0.7	14	35	<34	30000	990	6	588	4.7	79.2	71.7	8	279	30	2.24
630	H*	<7	1380	57	700	31	411	<4	<50	0.6	15	29	<22	22000	900	4	534	3.6	80.4	74.6	8	298	25	7.34
631	H	28	120	41	530	34	246	<2	<50	2.6	13	17	<14	12000	670	4	390	3.0	64.9	57.1	6	182	17	14.12
632	H*	6	140	58	590	33	258	<2	76	1.8	10	18	<16	14000	560	4	320	3.0	69.5	46.0	5	145	20	8.88
633	H	12	150	67	480	26	291	<2	73	2.1	10	20	<15	15000	660	5	370	3.1	70.2	61.1	7	158	20	9.76
635	H**	70	9640	87	480	27	160	5	<50	1.3	10	13	26	9000	400	6	230	3.0	64.4	37.0	4	107	19	2.91
640	H	3	27	190	160	25	16	<2	408	0.3	3	1	<6	700	30	<2	18	0.6	42.1	4.8	<1	6	5	56.98
641	H	<2	93	147	200	21	19	<2	312	<0.2	2	1	<5	800	40	<2	22	0.6	48.5	6.3	1	9	<5	50.04
642	H	16	150	75	580	24	282	<2	57	2.0	10	19	8	14000	600	5	360	3.6	67.4	50.0	6	155	20	9.58
643	H*	15	210	62	580	29	211	<2	58	1.3	9	15	<6	10000	520	4	290	3.5	90.4	40.0	6	126	20	6.30
644	H	8	330	53	550	25	253	3	50	0.9	9	16	14	13000	550	5	310	3.2	72.4	44.0	5	131	19	10.33
650	H	5	81	47	450	24	262	4	80	0.3	15	20	25	13000	650	7	370	3.7	85.8	61.7	7	156	23	10.46
651	H*	9	45	51	520	28	272	<2	58	0.7	12	18	24	13000	690	4	380	3.3	83.2	62.0	7	156	22	8.14
652	H*	5	<5	54	480	25	249	<2	90	0.5	9	17	10	12000	540	5	320	3.3	78.4	49.0	5	130	20	14.52
698	H	7	<5	31	520	27	287	4	<50	0.5	13	22	29	14000	780	10	430	4.1	80.9	71.1	8	180	25	8.49
699	H	<3	73	39	560	28	316	<2	<50	0.4	15	25	23	16000	890	8	515	4.7	84.0	79.1	9	226	26	8.68
700	H	<5	<23	50	480	25	519	7	57	0.9	14	29	4580	26000	610	8	340	5.5	90.9	59.7	9	139	35	3.18
701	H	5	57	39	560	28	305	4	<50	0.5	16	25	60	15000	870	6	506	4.2	83.6	78.5	8	226	29	10.03
702	H	9	11	52	500	24	219	3	66	0.4	12	19	22	11000	700	6	400	3.5	78.8	65.1	7	171	21	10.92
703	H	5	15	45	590	26	263	<2	<50	0.3	15	21	24	13000	780	7	460	3.9	84.6	73.5	7	199	24	11.08
704	H	4	62	53	470	23	224	4	53	0.5	11	18	25	11000	660	4	380	3.5	77.8	60.5	6	151	21	13.46
705	H	5	<5	48	470	23	203	4	94	0.3	15	19	42	10000	590	5	330	3.1	78.7	56.3	6	134	20	9.85
706	H	7	34	57	565	27	266	<2	86	0.4	12	18	12	13000	700	5	390	3.7	82.2	58.5	7	171	22	16.20
707	H	6	49	41	500	24	220	4	82	0.5	13	18	19	11000	680	6	380	3.8	79.0	61.2	7	161	22	13.51
708	H	6	64	42	520	28	219	<2	<50	0.4	13	18	12	11000	720	4	420	3.5	79.4	64.0	7	189	22	11.67
709	H	6	160	36	530	24	259	<2	<50	0.5	13	20	15	14000	690	7	410	3.3	74.4	64.5	7	176	21	12.03
710	H	7	<5	42	490	23	241	<2	<50	0.4	14	21	38	13000	680	5	380	2.8	67.9	68.1	7	191	19	9.39
711	H	10	111	38	620	29	245	<2	<50	0.4	14	20	15	12000	830	6	464	3.9	82.6	69.6	7	206	24	14.62
712	H	3	12	31	460	21	270	<2	<50	0.4	13	21	62	14000	720	6	410	4.1	85.7	64.7	7	176	25	10.64
8001	H	8	<11	36	600	28	241	<4	<50	0.7	16	23	<11	10000	920	4	500	2.3	81.8	63.7	7	207	26	10.66
8002	H	8	<11	53	560	26	255	<4	<50	0.6	12	24	12	11000	840	5	450	2.1	78.4	62.2	6	182	24	9.84
8003	H	12	38	59	380	21	160	<2	72	0.3	9	14	<9	6300	390	3	220	1.6	84.6	31.0	4	85	16	19.68
8004	H	31	59	61	450	23	267	<4	<50	1.3	9	20	39	10000	590	5	300	1.7	87.1	40.0	5	110	19	4.55
8005	H	12	84	45	490	24	225	<2	<50	0.8	10	19	19	9000	580	2	310	2.1	80.1	40.0	5	125	21	15.54
8006	H	9	170	46	430	23	180	<2	<50	0.5	8	16	<7	7500	440	4	260	1.8	80.8	36.0	5	109	16	17.39
8007	H	5	84	47	430	18	180	<2	<50	0.5	9	17	<9	7200	450	2	250	1.5	73.5	41.0	5	99	14	22.43
8008	H	7	621	37	530	20	276	<4	<50	0.4	10	21	19	11000	630	3	370	2.6	77.7	46.0	5	148	20	27.30
8009	H	21	625	59	410	24	120	<2	57	1.0	6	11	<8	4200	310	3	180	1.7	77.6	27.0	4	70	13	25.88
8010	H	10	599	35	420	27	180	<2	<50	3.7	7	15	22	7900	480	3	280	2.3	64.8	38.0	4	101	16	26.74
8011	H	173	791	30	510	24	272	<2	<50	0.9	12	22	26	10000	630	3	330	2.8	97.6	50.0	6	127	25	10.59
8012	H	53	1130	61	480	26	247	<2	<50	1.7	10	20	28	10000	480	3	270	2.5	96.4	35.0	4	105	21	14.82
8013	H	43	3730	40	400	24	238	<2	<50	1.1	8	18	11	9800	450	4	260	2.6	101.0	36.0	4	97	21	16.29
8014	H	14	684	51	530	27	296	<2	<50	0.9	10	22	17	12000	610	6	340	2.9	95.8	44.0	6	134	25	11.05
8015	H	8	400	30	540	27	325	<5	<50	0.7	10	25	17	13000	690	3	430	3.0	85.7	48.0	5	169	25	20.40
8016	H	28	883	38	410	23	170	<2	<50	1.5	10	16	33	7000	470	5	260	2.4	92.4	40.0	5	100	20	13.81
8017	H	10	1530	29	630	19	376	<5	<50	0.9	12	28	65	15000	930	7	500	3.2	102.0	62.7	7	208	31	5.62

	Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight	
8018	H	21	4730	46	630	33	391	<5	<50	1.0	11	28	49	15000	860	4	460	2.9	86.9	53.3	7	207	27	5.40		
8019	H	17	<5	37	420	17	140	<2	<50	1.4	7	12	<11	4900	460	6	220	1.7	92.8	38.0	4	56	16	3.01		
8020	H	35	1760	48	620	28	222	<2	<50	2.1	11	20	23	8600	650	4	340	2.6	95.2	48.0	6	132	23	9.65		
8021	H	24	907	51	510	24	140	<2	57	0.8	6	14	48	5000	560	3	300	2.0	87.7	36.0	4	132	18	11.23		
8036	H	4	698	41	890	29	443	<5	<50	2.4	14	31	<13	19000	950	7	500	3.8	85.8	62.3	7	203	32	11.30		
8037	H	24	1530	200	590	31	334	<5	<50	3.5	11	23	150	13000	770	5	390	2.2	72.2	52.4	6	150	27	5.42		
8038	H	9	2050	50	530	30	316	<2	<50	2.7	8	22	27	13000	670	5	350	2.7	66.1	46.0	5	128	22	9.45		
8039	H	7	360	69	500	27	267	<2	66	0.9	10	20	12	11000	680	5	370	2.2	73.3	47.0	6	149	23	15.95		
8040	H	57	22500	69	510	26	150	<5	<50	1.3	11	14	27	6100	470	4	260	2.0	70.4	34.0	4	104	15	7.80		
8045	H	5	1020	39	600	25	373	<2	<50	0.7	13	27	22	14000	840	8	440	3.5	83.7	57.7	7	184	26	13.78		
8046	H	12	705	42	440	22	517	<2	<50	1.3	17	28	50	21000	660	5	340	5.1	78.8	48.0	7	124	34	15.97		
8047	H	4	220	36	600	26	435	<4	<50	0.4	15	32	<10	17000	1060	7	579	4.3	97.4	71.5	7	234	27	23.87		
8048	H	18	105	64	600	27	342	<2	<50	0.9	11	24	10	13000	832	6	416	3.5	101.7	54.8	7	154	28	28.50		
8050	H	<4	280	44	490	24	553	<4	<50	0.9	15	33	4040	21000	760	9	360	4.4	93.5	59.1	9	141	31	4.47		
Location Map C:																										
33	H	5	<5	28	560	24	365	4	<50	0.5	12	23	8	18000	820	4	500	3.9	71.6	68.3	8	198	24	8.45		
34	H*	5	180	34	550	25	394	6	<50	0.6	24	39	9	21000	940	12	505	5.3	77.6	104.0	11	228	32	8.96		
35	H	5	22	37	570	28	341	5	<50	0.6	15	24	7	18000	870	8	510	4.4	82.8	75.5	9	219	27	9.42		
36	H	4	15	42	590	27	397	5	<50	0.4	13	29	12	20000	1050	8	583	4.6	83.9	88.5	10	255	32	6.24		
38	H	6	130	39	690	28	415	4	<50	0.5	16	27	12	20000	1080	6	598	4.6	86.1	87.5	10	254	27	7.07		
39	H	3	<10	38	620	26	426	7	<50	0.4	14	27	14	21000	980	8	551	4.7	82.1	83.2	9	217	30	7.18		
40	H	6	<5	37	560	26	320	<2	<50	0.4	17	28	13	12000	960	10	507	3.8	101.0	73.9	7	175	29	11.80		
41	H	6	76	38	570	27	330	4	<50	0.4	13	24	14	16000	790	6	450	4.0	65.0	69.6	8	195	26	12.44		
402	H*	6	133	37	590	26	340	<2	50	0.5	11	21	20	16000	710	5	400	4.0	80.6	57.6	6	162	23	20.06		
403	H	6	28	31	630	27	372	<2	<50	0.4	13	23	10	18000	860	6	514	4.0	72.0	70.3	7	218	24	16.70		
414	H	4	<5	33	560	25	361	<2	<50	0.5	12	24	<10	18000	930	7	538	4.2	77.6	77.2	8	219	25	13.73		
415	H	<3	38	38	540	23	349	<2	<50	0.3	16	25	11	17000	760	8	440	4.6	74.7	75.4	8	168	26	16.40		
416	H*	5	16	33	560	27	313	<2	<50	0.4	15	24	20	15000	850	7	490	4.4	75.0	81.6	9	193	27	19.30		
417	H	6	36	40	550	25	387	<2	<50	0.6	17	28	100	19000	930	8	535	5.3	83.8	83.8	9	220	32	12.56		
418	H	<4	72	36	620	29	421	<2	<50	0.3	12	27	<11	21000	870	6	513	4.6	81.7	69.5	7	224	27	13.48		
420	H	<4	28	30	560	23	393	<2	<50	0.4	13	27	18	19000	850	8	509	4.6	71.7	73.1	8	222	26	13.86		
421	H	4	40	37	480	21	357	<2	<50	0.3	10	22	15	17000	700	5	410	3.6	64.5	56.7	6	171	21	15.39		
422	H*	7	18	36	560	29	358	<2	<50	0.4	12	25	18	18000	750	6	410	4.4	76.3	62.9	7	186	26	14.15		
423	H	<4	410	46	680	30	513	<2	<50	0.6	15	32	16	26000	1030	7	613	4.9	79.5	82.1	8	288	31	10.60		
424	H	8	<5	34	530	24	351	<2	<50	0.5	12	24	<11	17000	830	8	490	3.9	72.1	71.7	8	201	23	12.26		
425	H	4	48	37	590	27	311	<2	55	0.5	15	26	15	16000	900	7	485	4.0	73.7	82.8	9	203	25	19.75		
426	H	7	<12	39	570	26	382	<2	53	0.7	13	28	<13	19000	1050	8	584	4.4	77.7	88.2	10	267	28	9.94		
431	H	4	54	34	600	25	415	<2	<50	0.5	12	26	33	20000	810	7	500	4.2	74.5	70.6	7	202	27	22.82		
432	H	9	35	35	540	23	430	<2	<50	0.5	16	29	16	21000	970	7	530	4.6	79.8	84.5	10	213	33	10.05		
433	H*	<4	<11	35	600	27	354	<2	<50	0.4	13	25	<13	18000	1000	7	555	4.9	85.7	82.0	9	235	30	10.90		
434	H	5	32	37	690	29	410	<2	<50	0.5	12	25	<13	19000	900	7	535	4.6	81.5	71.2	7	226	28	25.67		
435	H	<4	33	36	520	26	337	<2	<50	0.5	13	23	<10	17000	790	8	470	4.1	80.8	71.8	7	178	24	22.26		
436	H	5	33	31	540	26	362	<2	<50	0.3	12	24	12	17000	870	7	531	4.2	74.1	76.1	8	216	25	22.19		
439	H	<4	<5	37	640	29	399	<2	<50	0.5	16	28	18	19000	1020	9	596	4.9	81.3	84.9	9	252	28	14.51		
443	H	<4	15	37	510	25	308	<2	<50	<0.2	13	22	<11	15000	690	7	380	3.7	77.2	62.1	7	150	22	14.03		
444	H	<4	25	31	530	25	296	<2	<50	0.4	17	26	<12	15000	940	8	544	3.8	77.5	88.8	9	252	27	14.94		
445	H	<5	48	36	580	27	366	<2	<50	0.5	13	26	<14	18000	930	6	519	4.4	81.7	76.5	9	226	29	10.54		
446	H	5	13	41	570	26	357	<2	<50	0.6	12	25	<12	18000	800	5	440	3.9	71.1	68.4	7	186	24	11.98		
447	H	9	38	43	520	28	252	<2	<50	0.5	14	21	<11	13000	730	7	440	3.7	68.9	63.6	7	195	21	18.48		
448	H	9	70	45	610	28	414	<2	<50	0.6	18	29	<16	21000	1000	8	581	3.7	79.8	92.3	10	261	26	10.18		
451	H	<4	27	36	540	25	350	<2	<50	0.5	15	25	<12	17000	830	9	480	4.3	78.5	74.0	8	192	26	15.35		
453	H	<5	<11	30	620	26	291	<2	<50	0.4	14	23	<14	14000	850	7	490	4.7	93.1	69.1	8	219	27	11.24		
454	H	<6	<14	36	690	29	472	<2	<50	0.4	20	37	<17	22000	1120	10	639	5.2	96.7	90.8	10	309	34	7.67		

Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
696	H	6	34	33	640	28	351	<2	<50	0.6	12	24	8	18000	880	8	505	4.5	85.1	76.9	8	207	28	8.27
8022	H	5	150	34	600	27	313	<5	<50	0.3	13	27	<12	14000	940	6	516	3.1	85.2	64.4	6	207	29	10.90
8023	H	4	35	31	610	26	298	<5	<50	0.6	11	25	<11	12000	890	5	506	3.0	82.1	65.1	7	195	28	13.15
8024	H	4	22	27	600	27	303	<5	<50	0.4	10	26	<12	13000	950	7	514	3.3	83.3	65.8	8	209	27	12.20
8025	H	5	170	27	610	28	298	<5	<50	0.4	13	24	22	12000	930	5	516	2.3	79.2	64.8	7	226	25	10.65
8026	H	<4	<12	25	470	24	284	<5	<50	0.3	13	28	28	12000	810	5	480	2.5	69.7	68.7	8	223	24	15.46
8027	H	<4	180	35	690	29	317	<5	<50	0.5	14	29	15	14000	1070	6	585	2.5	83.8	72.9	8	261	27	9.91
8028	H	4	41	24	640	30	301	<5	<50	0.3	13	26	18	13000	1000	5	534	2.6	82.8	67.5	8	230	30	12.66
8029	H	5	<12	33	590	29	332	<5	<50	0.3	13	27	25	14000	1010	5	541	3.2	84.1	71.9	7	219	29	9.94
8030	H	9	50	35	620	32	252	<5	<50	0.5	16	27	<12	10000	840	9	450	3.2	76.3	66.5	7	187	28	16.54
8031	H	10	39	36	680	30	427	<5	<50	0.5	11	29	<13	16000	1150	6	632	2.8	78.8	72.8	7	251	30	10.11
8057	H	5	<11	22	550	24	292	<4	<50	0.5	24	36	<10	11000	1000	15	509	4.0	83.9	98.4	10	163	32	20.52
8058	H	4	20	32	600	26	309	<2	<50	0.4	13	28	<10	12000	1030	8	510	3.6	91.0	75.2	8	182	28	14.99
8059	H	4	<5	31	560	26	277	<2	<50	0.3	20	26	<10	10000	1030	10	508	3.3	89.6	73.2	7	190	25	15.93
8060	H	4	<5	36	560	25	299	<2	<50	0.4	17	28	<10	12000	960	10	480	3.8	84.5	77.0	7	179	29	15.34
Location Map D:																								
99	H	7	<12	38	540	27	406	<2	<50	0.6	14	28	12	20000	1130	7	632	4.4	80.0	88.8	9	301	31	5.57
100	H	6	52	45	590	29	349	<2	<50	0.4	13	24	16	17000	980	5	562	4.3	80.3	79.2	8	243	27	8.66
115	H	4	<5	37	640	29	312	<2	<50	0.4	13	22	10	16000	850	6	490	3.9	75.0	70.0	7	215	26	9.85
116	H	6	<5	31	570	28	423	<2	<50	0.6	13	29	10	21000	1050	8	612	4.8	78.1	85.7	8	281	30	10.67
117	H	9	450	38	590	28	328	<2	<50	0.5	14	24	9	16000	890	6	508	3.9	74.6	72.8	8	229	23	10.65
118	H	7	130	37	690	32	404	<2	51	0.4	14	28	20	20000	1000	7	600	4.7	75.9	85.4	9	269	27	12.97
119	H	5	<5	38	590	27	387	5	<50	0.4	12	25	29	19000	1040	8	579	4.4	75.6	82.7	9	251	29	8.33
120	H	6	300	36	640	26	483	4	<50	0.7	16	32	12	24000	1100	9	604	4.5	83.9	92.4	10	256	30	6.87
121	H	8	22	31	580	25	325	<2	<50	0.3	13	24	17	16000	920	5	531	4.2	75.8	76.7	8	229	25	12.17
122	H	8	240	51	650	29	437	<2	<50	0.4	14	28	14	22000	1100	5	668	4.5	72.8	85.3	8	312	25	12.76
123	H	7	<5	57	530	25	337	3	<50	0.5	13	23	8	16000	890	7	490	4.2	76.4	73.7	7	218	28	7.89
124	H	8	<5	36	560	31	330	<2	<50	0.4	15	24	22	17000	970	6	559	4.2	79.3	79.3	9	237	27	10.76
125	H	6	130	34	630	27	424	<2	<50	0.5	14	28	9	21000	970	5	590	4.3	76.3	81.7	9	260	27	14.36
126	H	10	35	37	570	28	367	3	<50	0.5	12	25	9	18000	940	7	557	4.5	75.9	77.0	8	242	27	10.80
127	H	5	39	44	630	31	360	4	<50	0.6	15	31	<7	18000	1160	9	669	4.8	92.5	94.9	11	309	30	9.43
128	H	5	<5	33	560	27	352	3	60	0.6	13	24	11	17000	900	7	531	4.4	74.7	75.9	8	236	24	11.39
129	H	5	170	44	640	30	400	<2	<50	0.4	13	28	11	20000	1090	8	616	4.6	83.9	88.0	10	289	27	6.34
130	H	6	110	43	690	28	515	4	<50	0.6	15	34	13	26000	1200	11	692	5.1	86.6	105.0	10	306	33	7.69
131	H	8	37	47	550	27	428	<2	<50	0.5	15	31	16	21000	1090	7	623	3.6	76.0	94.8	10	312	25	6.46
132	H	5	47	35	550	25	390	4	<50	0.5	13	26	11	20000	940	6	539	4.0	76.0	80.6	9	235	25	9.06
133	H	6	<11	38	730	31	436	5	<50	0.5	14	30	52	21000	1090	8	630	5.1	84.1	87.8	9	272	31	8.62
134	H	4	18	47	630	27	450	<2	<50	0.7	16	30	15	22000	1110	9	627	5.0	93.3	96.0	10	246	33	9.69
135	H	5	140	52	670	29	445	<2	<50	0.6	16	31	25	22000	1100	8	623	5.0	88.7	90.2	9	269	31	7.02
136	H	12	<12	45	920	29	397	4	<50	0.6	14	27	9	20000	1080	9	614	4.4	84.4	83.0	9	255	31	5.88
137	H	5	13	35	610	27	350	<2	<50	0.6	15	25	8	17000	960	7	550	4.5	83.7	82.6	8	227	27	7.97
138	H	8	15	43	610	27	537	4	<50	0.7	14	33	15	25000	1150	5	689	5.2	79.8	94.2	9	291	31	10.55
139	H	7	200	35	690	29	467	3	<50	0.8	14	28	10	22000	1020	7	591	4.6	85.2	85.5	9	241	28	9.22
140	H	10	153	39	700	27	524	<2	50	0.6	14	31	16	26000	1130	8	646	5.2	80.0	86.7	9	271	32	15.31
141	H	5	14	32	610	26	399	<2	<50	0.5	12	25	14	20000	960	7	576	4.2	73.4	79.4	8	245	25	15.49
142	H	6	25	43	680	32	394	4	<50	0.6	15	28	13	19000	1070	5	613	4.8	84.0	84.7	9	275	30	10.64
143	H	9	<13	41	610	30	451	<2	51	0.6	20	32	14	22000	1170	8	633	5.4	89.0	97.1	11	285	36	4.98
144	H	7	63	33	670	30	471	4	<50	0.5	14	28	<8	22000	1190	6	651	5.3	87.9	88.0	9	276	30	6.83
201	H	12	<18	42	650	29	373	7	<64	0.5	16	30	<13	19000	1180	11	619	5.2	88.3	96.6	11	261	33	2.12
202	H	5	<16	51	640	31	402	<4	<55	<0.2	16	28	<11	22000	960	7	514	5.2	89.4	81.6	9	232	29	2.65
203	H	8	<19	49	610	28	701	6	110	0.7	15	38	<14	35000	1080	13	560	5.5	94.5	84.6	9	227	36	2.14
204	H	<6	<22	43	590	25	532	<6	82	0.7	14	32	<15	27000	900	<6	512	5.0	84.5	75.2	8	221	33	1.58
205	H	5	<17	34	610	26	610	<5	69	0.7	15	36	17	30000	920	8	540	4.7	88.8	85.4	11	232	28	3.92

	Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
206	H		15	1240	59	610	30	322	<5	75	0.5	16	27	<14	16000	1020	10	563	4.3	91.6	88.7	10	247	32	2.35
207	H		<6	170	46	660	26	469	<6	<72	0.7	16	29	29	23000	900	7	523	5.0	91.4	68.3	9	230	34	1.63
208	H		<4	110	35	590	28	428	5	53	0.5	16	30	13	22000	1070	12	583	4.7	95.1	91.8	10	237	34	3.38
209	H		<6	<22	44	690	24	401	<6	81	0.6	19	27	19	20000	1010	<7	540	3.8	99.2	80.4	8	207	28	1.40
210	H		9	<12	28	590	27	374	<2	<50	0.7	14	25	22	19000	940	12	500	4.6	89.1	77.0	8	209	27	4.10
211	H		6	<18	45	730	27	424	<5	97	0.5	18	27	42	20000	930	12	517	5.0	98.7	82.3	10	193	31	2.14
212	H		10	<16	51	510	25	416	<4	<56	0.6	15	26	30	22000	890	12	470	4.4	100.0	81.7	9	177	31	2.90
213	H		<5	<17	41	630	27	463	11	<65	0.4	18	30	<14	22000	1100	12	601	5.0	98.0	94.4	10	234	35	2.08
214	H		10	<21	60	770	36	427	<6	<71	0.6	16	31	<15	20000	1120	6	644	5.7	98.0	88.7	10	285	40	1.90
215	H		6	330	44	630	25	452	<4	<53	0.7	18	34	20	22000	1120	13	578	5.7	98.8	101.0	11	251	39	3.17
216	H		<5	240	34	710	30	424	6	<58	0.6	17	30	26	22000	1250	9	672	4.8	96.0	103.0	11	284	35	2.84
217	H		4	330	31	300	27	96	<2	<50	<0.2	6	7	<7	4400	240	2	120	11.0	135.0	20.0	7	45	77	9.25
218	H		5	44	35	580	28	449	<2	<50	0.4	13	26	<11	23000	730	<2	410	6.4	103.0	55.7	8	188	41	3.09
219	H		5	310	44	580	27	448	5	<53	0.8	15	29	<11	22000	1000	11	543	6.2	97.2	83.9	9	229	38	3.20
220	H		<3	<12	36	400	24	222	4	<50	<0.2	11	14	10	11000	430	3	220	11.0	113.0	35.0	7	91	69	3.61
221	H		9	<17	52	520	26	363	5	<56	0.5	17	26	18	19000	1010	10	519	5.1	100.0	88.2	10	222	37	2.97
222	H		4	<13	38	500	26	353	5	<50	0.3	14	25	22	18000	970	10	548	6.1	99.3	83.5	10	212	37	4.82
223	H		<3	<5	26	280	25	130	<2	<50	0.3	8	8	<8	6700	270	3	140	7.0	130.0	22.0	8	52	46	6.89
224	H		6	<16	24	540	19	336	<4	<53	0.8	17	27	<12	17000	850	7	490	3.7	77.7	79.1	10	234	23	3.28
225	H		7	<16	43	590	28	355	8	71	0.8	14	25	38	19000	840	6	430	3.9	84.4	67.0	8	186	28	2.35
226	H		7	<15	33	630	27	426	5	<50	0.6	13	27	<11	21000	960	7	537	4.4	87.6	78.6	9	225	32	3.69
227	H		7	180	31	780	22	519	<6	<70	<0.2	32	31	<16	24000	1110	11	649	5.6	109.0	83.2	10	298	37	2.09
228	H		30	<18	270	690	33	461	<5	170	1.6	15	29	76	22000	910	6	522	5.0	85.8	72.2	9	228	32	2.57
229	H		4	<15	30	690	29	593	5	90	0.7	17	35	28	30000	1140	8	623	5.4	93.3	88.4	10	266	32	4.11
230	H		5	110	40	750	32	645	<5	<52	0.4	15	42	17	32000	1420	7	798	6.7	99.4	107.0	12	376	45	4.55
231	H		<5	37	38	690	25	478	<4	<54	0.5	22	38	24	25000	1070	6	604	5.7	99.0	86.2	10	267	35	2.90
232	H		<7	505	50	700	28	523	<6	<76	<0.2	18	33	<17	26000	1310	10	712	5.8	95.2	108.0	10	282	31	1.58
233	H		9	20	35	350	28	110	<2	<50	<0.2	8	9	30	6000	370	3	190	6.7	156.0	31.0	9	67	46	5.28
234	H		4	15	35	570	28	358	5	<50	0.3	12	23	19	18000	760	5	400	6.8	109.0	65.4	9	180	46	6.28
235	H		<6	<20	31	580	26	424	<6	<68	0.5	14	27	<16	23000	1150	12	626	4.2	80.9	89.7	10	270	24	1.61
236	H		7	140	36	630	26	443	<5	<55	0.9	14	28	<13	23000	1190	12	643	4.7	88.1	94.8	10	254	31	2.77
237	H		<5	310	31	520	24	413	8	<56	0.4	14	27	<13	21000	960	9	517	4.9	79.2	79.1	9	211	32	2.30
238	H		7	<14	37	490	23	346	5	<50	0.8	14	24	<11	18000	880	13	440	4.1	75.5	88.7	10	182	29	3.55
239	H		10	<18	37	540	24	358	<5	<56	1.3	13	30	<14	17000	1030	9	539	4.3	80.6	79.7	8	206	29	2.32
240	H**		56	1500	49	570	26	325	<7	<80	2.2	12	20	54	15000	810	9	470	4.4	77.9	59.9	6	171	22	1.21
241	H		10	400	44	530	22	373	15	90	0.5	15	26	<15	18000	1080	12	548	4.4	83.9	83.4	8	216	33	2.05
242	H		7	<14	32	610	24	400	<4	<52	0.7	13	28	<13	20000	1020	9	560	4.4	84.3	88.4	10	226	29	3.15
243	H		4	<14	35	500	22	359	6	75	0.5	13	26	<11	19000	830	5	450	4.2	77.8	74.6	8	207	28	4.01
244	H		5	<12	33	440	24	240	<2	<50	0.3	10	18	17	11000	570	5	320	6.0	88.5	53.9	9	134	41	4.33
245	H		4	<12	31	440	25	235	<2	65	0.3	9	17	12	12000	540	<2	300	6.5	97.0	46.0	8	125	43	4.38
246	H		<5	<16	30	540	25	370	<4	<51	0.6	14	25	<12	17000	900	10	545	4.5	79.0	71.6	8	219	27	3.00
247	H		8	<15	46	540	23	362	5	<50	0.5	15	26	12	18000	940	9	521	4.2	80.2	75.0	9	203	31	3.22
248	H		7	330	38	720	28	448	5	<54	0.5	14	31	<14	22000	1190	<5	640	5.1	88.8	95.6	11	277	33	2.72
249	H		9	<18	50	600	25	370	8	<58	0.5	14	28	<14	19000	960	9	559	4.8	76.2	78.4	10	242	32	1.99
250	H		<5	<16	39	640	27	436	5	<52	0.4	16	32	14	21000	1110	10	616	5.0	91.7	88.4	10	262	33	3.34
251	H		6	<12	33	580	27	407	8	<50	0.4	16	29	11	21000	1060	8	592	5.0	88.0	90.2	10	252	31	5.87
252	H		6	<11	34	600	28	380	<2	<50	0.6	15	25	<9	19000	920	7	510	4.7	86.8	72.5	8	215	29	6.89
253	H		6	140	33	630	27	413	6	<50	0.6	14	27	<10	20000	970	8	540	4.3	84.3	77.8	8	226	30	4.92
254	H		6	<16	48	550	26	366	<4	<51	0.6	12	24	<13	18000	910	8	517	4.0	80.4	72.4	8	197	25	2.74
255	H		7	<11	36	600	31	284	6	<50	0.6	15	22	19	15000	890	10	480	4.2	83.1	72.5	8	191	28	4.28
256	H		7	<12	36	550	25	313	4	<50	0.4	10	21	<10	15000	730	8	400	4.0	81.1	59.7	6	154	25	4.31
257	H		6	625	36	680	28	318	<2	<50	0.5	10	22	11	16000	780	5	420	3.9	85.7	63.0	8	167	24	4.87
258	H		7	<15	34	550	26	302	<2	59	0.4	16	22	<12	16000	830	11	420	3.6	83.8	75.3	9	149	29	3.32

	Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight	
259	H	10	36	40	640	26	338	<2	<50	0.7	19	25	15	18000	870	10	470	4.4	90.0	77.0	8	184	31	4.16		
260	H	14	<17	37	530	26	282	5	<56	0.7	13	22	<15	15000	830	10	440	3.9	83.5	70.0	8	173	25	2.34		
261	H	8	<16	47	610	25	367	6	99	0.6	12	26	<13	18000	960	<4	513	3.6	80.1	80.6	10	203	28	3.13		
262	H	7	<19	48	610	27	342	6	73	0.5	14	24	<16	16000	910	9	534	3.0	76.1	82.8	9	232	22	2.85		
263	H	<4	25	36	430	21	236	<2	<50	0.4	11	18	<11	11000	690	4	380	3.9	74.7	57.7	8	155	26	3.57		
264	H	5	110	31	560	33	266	<2	<50	0.4	14	19	<11	13000	770	4	440	6.3	98.7	61.9	9	203	39	6.24		
265	H	8	160	28	570	31	244	6	<51	0.7	10	18	<13	11000	740	4	380	4.1	80.2	54.0	6	161	25	2.46		
266	H	9	<16	33	670	28	369	6	<51	0.6	12	24	<14	17000	970	8	539	4.5	77.4	73.0	8	215	28	2.74		
267	H	8	<15	33	650	30	370	5	70	0.8	16	26	<14	18000	1030	6	568	4.8	84.5	79.3	10	234	28	2.88		
268	H	5	<13	37	570	26	323	6	64	0.5	14	23	21	15000	830	8	460	4.2	84.3	74.2	9	175	27	4.03		
269	H	<4	54	35	710	30	376	<2	<50	0.4	14	26	19	19000	970	7	530	4.7	88.8	78.6	8	222	30	4.73		
270	H	<5	260	34	560	26	320	7	<50	0.4	11	22	26	16000	780	8	420	5.1	95.9	63.8	7	159	36	3.28		
271	H	10	<11	36	550	27	337	4	79	0.5	14	22	31	17000	840	8	470	5.3	89.2	67.3	8	189	36	4.63		
272	H	8	100	36	640	30	381	<4	<50	1.2	18	27	<14	19000	1020	7	564	4.6	88.3	86.7	10	227	33	3.41		
273	H	<6	<18	38	600	30	345	9	120	<0.2	13	23	<15	17000	1040	8	554	4.2	77.7	76.7	8	230	27	2.40		
274	H	10	59	33	740	31	456	8	<51	0.5	13	28	<14	22000	1070	6	566	4.7	86.8	82.5	9	226	32	3.16		
275	H	11	<20	40	750	32	507	8	<60	0.6	17	32	<17	25000	1170	6	593	6.1	89.1	92.3	10	245	40	2.37		
276	H	<8	<24	61	620	32	357	10	<74	0.5	11	22	<20	18000	1120	<6	626	4.0	77.7	77.8	8	250	29	1.43		
277	H	15	24	34	730	33	386	6	82	0.5	19	27	<14	20000	1100	9	581	4.9	87.6	86.8	9	244	32	4.28		
278	H	10	26	44	650	30	465	<2	<50	0.7	16	29	<11	23000	1110	7	613	4.8	82.8	88.9	9	255	32	6.55		
279	H	10	<15	32	720	36	334	<4	<50	0.7	14	25	<13	18000	1120	6	617	4.4	77.4	86.0	9	293	29	4.30		
280	H	27	<25	<50	580	26	230	<10	160	<1.0	12	23	<39	9200	1100	<10	630	2.6	64.0	79.0	10	298	<25	0.41		
281	H	<6	764	40	650	30	390	10	<59	0.5	11	27	<17	19000	1040	9	536	5.0	76.0	78.1	10	218	34	2.19		
282	H	11	<17	39	590	29	310	<4	<50	0.6	13	21	<15	14000	930	10	522	4.4	77.5	72.0	8	212	29	2.88		
283	H	15	<32	40	500	27	250	9	<96	0.9	9	20	<27	12000	960	<4	550	3.4	62.0	63.0	7	227	20	0.69		
284	H	57	1580	29	610	25	315	4	55	1.8	12	20	78	15000	800	8	430	3.6	70.9	64.3	7	164	24	6.86		
285	H	45	340	42	620	30	377	4	<50	1.3	12	23	67	18000	900	5	515	4.2	75.4	68.3	6	224	26	8.13		
8032	H	7	58	39	690	32	334	<5	<50	0.5	14	28	16	14000	990	5	577	3.1	81.4	68.3	7	234	28	17.51		
8033	H	7	<12	34	670	30	379	<5	<50	0.4	14	32	15	15000	1060	5	596	3.5	78.8	75.9	8	249	29	12.48		
8034	H	<4	<13	35	730	31	368	<5	<50	0.5	13	31	<13	14000	1250	5	690	3.2	82.7	79.4	8	281	32	8.33		
8035	H	8	46	36	610	31	395	<5	<50	0.3	14	32	<13	17000	1080	7	619	3.8	85.4	73.3	7	259	30	12.94		
8051	H	4	<5	27	610	24	359	<2	<50	0.4	14	28	15	14000	960	8	490	3.8	88.0	69.8	7	175	27	18.02		
8052	H	8	47	34	660	25	443	<2	<50	0.4	13	33	24	17000	1220	9	610	4.0	89.8	83.7	9	246	33	6.86		
8053	H	5	130	30	580	24	319	<2	<50	0.5	12	25	19	13000	990	8	504	3.7	86.6	70.8	8	180	27	17.09		
8054	H	5	<5	30	580	24	249	<2	<50	0.5	13	23	<9	10000	900	9	470	3.1	87.0	68.1	8	170	24	20.12		
8055	H	9	136	44	570	26	225	<2	<50	0.5	18	25	15	9300	900	7	478	3.2	81.5	66.2	6	181	24	52.29		
8056	H	4	72	34	510	22	200	<2	<50	0.4	10	20	<8	7200	780	7	410	2.7	75.2	58.4	6	148	19	21.07		
Location Map E:																										
26	H	7	37	34	480	25	423	<2	<50	0.6	20	36	8	21000	860	5	516	4.6	74.8	82.2	9	227	27	15.25		
27	H	15	<12	77	490	31	309	4	<50	0.7	50	41	14	16000	980	7	556	4.6	80.1	82.1	11	289	29	5.75		
28	H	6	64	46	710	27	474	6	<50	0.8	15	29	<6	23000	1060	9	604	4.5	84.5	89.2	9	235	31	6.74		
29	H	3	290	37	540	24	386	<2	<50	0.5	11	24	<5	19000	840	10	480	4.0	79.3	75.8	9	186	27	8.07		
31	H	5	<5	32	490	21	359	3	<50	0.5	16	26	8	17000	720	8	410	4.0	77.7	66.0	8	160	26	8.87		
32	H	6	<10	37	580	26	434	4	<50	0.6	15	30	9	23000	950	8	533	4.4	87.5	87.8	9	217	27	7.43		
37	H	6	<5	40	550	25	333	<2	93	0.7	13	24	16	16000	870	6	490	3.9	77.5	74.5	8	199	25	10.59		
50	H	7	43	51	770	27	665	9	<52	0.7	17	38	11	32000	1400	9	772	6.3	91.1	110.0	11	317	40	4.75		
51	H	<3	21	42	840	35	721	<2	<52	0.6	18	42	10	36000	1490	10	845	6.5	106.0	121.0	12	358	42	7.13		
52	H	6	<12	30	720	28	535	7	<50	0.7	16	34	7	25000	1190	12	649	6.2	95.5	97.3	10	261	36	6.16		
53	H	5	52	40	710	28	482	10	<53	0.6	16	30	30	24000	1200	7	646	5.5	91.9	94.7	8	255	37	3.56		
65	H	3	10	38	480	19	263	<2	68	0.4	9	17	<8	12500	630	6	355	3.4	73.1	59.1	6	130	21	22.08		
66	H	3	18	40	490	18	275	3	88	0.4	9	18	<4	13000	660	8	360	3.4	74.4	62.9	7	127	20	11.94		
67	H	6	<5	42	500	20	276	<2	66	0.4	8	19	15	14000	730	6	420	3.4	72.5	65.0	7	163	21	13.53		
321	H	<7	<21	35	670	27	411	7	<62	0.5	15	29	<21	17000	1120	11	594	5.6	100.0	95.2	10	252	33	1.99		

Heavy. Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight	
322	H	11	<20	40	670	27	394	<6	<62	0.8	19	30	20	19000	1050	14	564	5.7	96.5	98.1	10	227	41	2.19
325	H	<5	<13	23	670	19	348	4	<50	0.6	11	21	16	17000	680	7	360	3.9	88.4	61.7	6	135	23	3.43
326	H	10	42	48	590	28	388	<5	<57	<0.2	19	28	19	18000	1090	11	560	5.1	89.7	82.3	10	236	34	2.44
327	H	<8	<22	40	700	28	327	<6	100	<0.2	14	23	<21	17000	920	8	511	4.3	84.5	70.5	9	210	30	1.71
328	H	8	<17	46	550	28	376	<4	65	0.3	13	26	<17	20000	1080	9	600	4.5	90.5	83.6	10	229	31	3.40
329	H	<10	<30	40	520	24	310	11	<84	0.7	12	19	<29	15000	900	8	540	4.1	83.0	61.0	9	218	28	0.91
330	H	9	<20	32	830	28	317	6	<66	0.5	15	23	<22	16000	910	7	500	3.8	92.4	76.2	8	200	28	1.77
331	H	9	<19	39	550	27	317	<6	<61	0.5	15	21	<21	14000	920	7	501	4.1	76.6	71.6	8	241	26	1.96
400	H	6	98	40	550	26	304	<2	52	0.3	11	19	14	14000	850	8	470	3.9	78.6	67.3	7	188	26	8.08
401	H	<4	<5	31	600	28	437	<2	<50	0.3	13	25	<11	21000	970	8	561	4.4	77.9	74.2	8	235	27	10.90
404	H	<4	<5	34	560	26	474	<2	63	<0.2	17	35	14	23000	940	7	538	5.1	81.3	79.8	9	243	31	11.91
405	H	5	20	35	570	27	388	<2	<50	0.5	13	26	13	20000	910	7	527	4.6	77.5	74.9	8	223	27	12.80
406	H	<5	120	41	570	27	444	<2	57	0.4	15	32	<13	21000	1020	9	563	5.0	84.8	84.4	9	257	29	8.16
407	H	<4	<11	31	280	20	339	<2	<50	0.5	22	35	<12	15000	470	9	270	4.9	101.0	57.7	10	108	33	8.71
408	H	6	<13	60	630	28	416	<2	65	0.6	12	25	21	20000	1080	8	612	4.1	77.0	85.7	8	257	28	8.09
409	H	6	27	42	630	29	399	<2	<50	0.5	14	25	<12	19000	1020	9	600	4.4	80.5	80.8	9	254	27	11.29
410	H	9	1210	38	620	30	352	<2	<50	<0.2	14	25	<13	18000	990	8	564	4.0	73.4	77.9	8	261	23	9.27
411	H	6	65	37	490	26	264	<2	<50	0.6	12	21	<12	13000	750	6	440	2.9	66.4	70.6	8	197	18	9.00
412	H*	<4	19	29	670	27	466	<2	65	0.3	13	27	<12	23000	960	9	538	4.2	76.7	77.7	9	219	26	9.22
413	H	7	52	39	620	27	417	<2	<50	0.7	12	25	<11	20000	1010	8	578	4.4	78.2	78.7	8	247	26	10.44
419	H	8	33	41	610	29	338	4	<50	0.5	14	23	21	16000	960	8	546	4.4	83.7	76.8	8	227	29	8.21
427	H	11	<13	38	590	27	361	8	75	0.5	15	29	24	18000	1000	8	532	4.5	86.3	81.5	9	224	28	7.74
428	H	9	140	39	600	28	395	<2	<50	0.5	17	27	<13	20000	1000	8	595	4.4	83.3	83.3	8	275	29	14.35
429	H	<5	57	37	620	27	364	<2	<50	0.5	21	28	<13	19000	910	6	546	3.8	72.1	80.8	8	263	26	11.79
430	H	5	110	31	500	23	299	<2	<50	0.5	19	24	<12	16000	830	10	470	3.9	76.8	82.3	9	189	27	11.00
437	H*	8	<11	35	600	28	383	<2	<50	0.4	13	25	15	19000	990	9	563	4.3	76.2	77.3	8	246	26	10.54
438	H	6	55	36	630	28	379	<2	<50	0.5	12	26	13	18000	990	6	577	4.2	75.2	76.5	8	257	27	10.45
440	H	<5	31	33	670	28	402	<2	<50	0.4	13	25	<14	19000	1070	7	612	4.1	77.3	83.6	8	257	25	9.26
441	H*	<5	<12	37	610	26	368	<2	63	0.4	13	25	<14	17000	930	9	524	4.4	86.1	78.4	8	217	29	7.77
442	H	6	52	34	670	30	397	<2	59	0.5	13	25	26	20000	970	8	543	4.9	85.5	79.2	8	227	32	6.57
449	H	7	19	40	600	27	425	<2	<50	0.6	14	27	<16	21000	960	5	542	4.4	81.0	82.9	8	229	26	7.83
450	H	<5	50	39	570	29	427	<2	<50	0.6	16	29	<16	21000	1030	8	561	4.6	87.0	88.2	10	228	29	8.28
452	H	7	<17	52	690	27	502	6	<50	1.0	14	31	<20	25000	1180	8	634	5.3	89.9	97.1	10	265	34	5.10
Location Map F:																								
301	H	27	39	40	460	22	365	<2	<50	0.4	13	24	26	18000	910	8	514	4.7	77.7	71.5	8	220	31	3.25
302	H	13	<27	37	470	16	320	<4	<50	1.2	14	20	27	17000	730	10	340	4.2	78.0	59.0	9	100	25	0.73
303	H	7	160	23	490	19	419	<5	<53	0.6	13	26	<17	20000	820	8	470	4.8	80.1	67.0	9	168	32	2.22
305	H	12	<15	34	620	24	335	<4	<50	<0.2	13	27	23	16000	1050	10	554	5.2	95.4	84.0	9	220	35	3.35
306	H	16	<18	38	420	21	267	<5	<56	0.4	25	18	<18	12000	690	6	390	4.5	76.9	52.7	7	143	27	1.98
308	H	9	74	35	630	29	341	6	<63	0.6	17	26	<20	16000	990	9	500	5.3	90.0	83.3	8	208	27	1.81
309	H	12	<18	35	610	27	327	9	<57	0.5	19	23	<17	17000	1040	9	546	4.3	90.4	82.9	7	199	30	2.51
310	H	21	<21	47	470	25	318	<5	75	0.6	13	23	39	15000	750	7	390	5.5	102.0	66.6	9	146	36	1.95
311	H	<8	<23	37	630	28	337	<6	<69	0.4	14	24	<23	18000	1040	7	546	4.9	92.7	84.0	10	232	27	1.68
312	H	23	66	49	470	24	288	<7	<78	0.7	14	21	29	14000	750	11	440	3.4	77.0	67.3	8	179	26	1.23
313	H	17	<25	38	610	29	411	<7	<73	0.7	17	27	180	21000	1000	<6	543	4.4	91.4	80.6	9	247	33	1.58
314	H	10	<23	40	560	24	444	<6	<70	0.7	16	30	<22	21000	800	7	490	4.0	85.7	81.9	9	220	32	2.03
315	H	<12	<34	43	410	16	340	<10	140	<0.4	23	35	<34	18000	900	9	440	5.1	82.0	106.0	16	160	47	0.71
316	H	<12	<37	52	810	23	677	12	<100	1.0	17	42	<33	36000	1200	9	620	7.4	88.0	97.0	10	250	51	0.75
317	H	<7	<21	40	610	31	378	<5	<61	0.6	16	26	<20	20000	1150	8	621	4.9	99.2	94.7	10	246	31	2.52
318	H	8	<14	37	680	25	404	5	<50	0.6	14	27	60	20000	990	11	532	4.9	89.7	87.3	9	200	32	3.79
319	H	14	140	29	620	23	297	<5	100	0.6	17	27	26	14000	870	10	470	4.3	82.9	77.3	8	183	27	1.75
320	H	<9	<28	32	640	26	401	11	<80	0.7	16	26	<26	20000	1140	8	541	5.0	86.9	91.0	10	211	28	1.12
323	H	<8	<24	30	550	21	351	<6	77	0.8	14	22	28	18000	790	6	460	4.4	87.4	63.3	8	181	25	1.27

Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
324	H	<7	<22	39	540	22	416	<6	<61	0.6	17	29	<21	21000	970	7	507	5.0	94.2	80.5	10	204	34	1.85
332	H	<14	<37	48	490	27	320	<11	<110	0.7	12	20	<38	14000	760	<9	500	2.6	79.0	61.0	7	194	25	0.60
334	H	9	<18	41	570	27	275	<5	<53	0.4	13	20	<18	14000	880	8	515	3.8	82.1	72.7	8	204	25	2.74
335	H	<13	<35	38	580	28	360	<9	<100	0.6	15	24	<35	17000	890	10	520	4.8	99.0	74.0	9	192	30	0.80
336	H	6	17	39	400	23	233	<2	<50	0.6	11	15	58	11000	630	5	340	3.6	73.0	52.0	6	132	23	4.78
337	H	<7	<18	43	600	28	335	<5	<51	<0.2	14	25	<18	17000	910	9	526	4.7	84.3	73.7	8	207	32	2.85
338	H	7	<17	37	580	26	369	<4	<50	0.3	11	23	<17	17000	930	8	511	4.7	80.7	72.4	8	199	28	2.92
339	H	19	<15	39	640	29	442	<2	65	1.1	15	28	31	21000	1110	7	596	5.0	81.6	81.7	9	237	30	4.72
340	H	8	<11	34	580	29	312	<2	<50	1.8	13	21	31	16000	960	8	529	4.4	83.2	74.7	8	212	27	6.54
8061	H	9	<5	43	690	24	294	<2	<50	0.5	11	27	<10	11000	1120	5	536	2.9	83.5	78.2	7	232	27	9.95
8064	H	4	<5	31	620	26	307	<2	<50	0.4	14	28	<10	13000	1090	6	538	3.1	89.0	78.7	7	218	25	11.55
8065	H	4	<5	36	660	28	363	<2	67	0.3	13	29	<10	14000	1140	9	585	3.4	88.3	77.9	7	233	29	11.89
8066	H	<3	24	31	620	27	309	<2	<50	0.4	15	26	11	12000	1070	6	536	3.4	88.6	73.4	8	203	25	13.45
8067	H	4	92	33	540	24	276	<2	<50	0.3	15	26	16	11000	920	9	500	3.8	93.8	71.1	7	190	27	20.33

Location Map G:

7	H	3	<5	84	350	22	43	<2	99	<0.2	4	6	14	1800	190	<2	110	2.6	89.7	16.0	3	41	20	13.41
8	H	3	25	57	490	22	192	<2	<50	0.4	9	16	29	7200	550	5	298	3.1	94.8	45.6	5	104	24	19.55
9	H*	2	43	83	360	20	84	<2	93	<0.2	7	7	38	3100	190	<2	110	2.2	85.4	18.0	3	37	17	19.20
10	H	4	<5	56	460	24	180	<2	<50	0.2	11	16	33	7100	500	6	300	4.6	100.0	43.0	6	103	32	20.20
11	H	8	<5	49	600	27	313	<2	<50	0.4	16	29	36	12000	870	6	528	5.0	95.2	71.0	8	206	36	9.28
12	H	8	190	54	640	28	398	<2	<50	0.5	14	34	28	14000	1050	6	607	5.4	103.0	80.8	9	246	37	6.40
45	H	3	99	36	720	28	365	<2	<50	0.4	13	32	37	14000	1130	6	576	3.8	87.7	80.5	9	260	31	6.56
46	H	4	88	38	640	22	389	<2	<50	0.7	17	32	36	15000	930	9	516	4.1	90.6	75.9	8	224	31	11.19
58	H	4	270	33	750	30	466	<2	<50	0.5	15	36	24	19000	1280	7	699	5.0	101.0	88.0	9	280	38	9.00
59	H	3	<5	38	690	26	417	<2	<50	0.5	14	32	26	16000	1140	5	599	4.5	95.3	80.7	8	230	33	8.29
60	H	3	33	37	490	18	200	<2	<50	0.3	12	17	5	7900	650	7	340	2.4	78.1	55.1	6	120	18	17.05
146	H	6	40	34	530	22	327	<2	<50	0.5	11	28	8	12000	1170	7	521	3.3	89.1	73.3	8	192	29	3.16
147	H	39	<5	29	600	19	317	<2	<50	0.5	12	34	9	11000	1260	7	507	3.2	88.1	82.9	8	186	32	1.86
148	H	6	<5	33	620	21	342	<2	52	0.6	11	42	7	13000	1420	6	611	3.5	97.1	95.6	10	258	32	3.70
149	H	3	<5	32	540	19	323	<2	<50	0.4	10	23	9	13000	980	8	450	2.3	83.1	65.3	7	154	22	2.97
150	H	16	97	300	950	17	740	<11	<93	<0.4	35	234	33	28000	10600	35	4940	7.3	94.0	676.0	50	2520	90	0.94
8063	H	<15	130	380	970	21	846	<20	210	0.9	64	303	<50	34000	9430	25	5520	11.0	89.9	825.0	66	3060	66	5.08
151	H	7	16	44	560	20	312	<2	<50	0.6	12	37	21	12000	1430	11	626	3.4	94.9	97.3	10	261	33	3.82
8062	H	7	20	40	600	25	329	<5	58	0.5	12	40	<12	13000	1440	8	706	4.7	99.5	106.9	11	301	37	27.94
152	H	4	<5	37	530	20	279	<2	<50	0.5	9	34	22	9000	1170	10	509	3.2	108.0	80.9	9	209	35	4.03

Location Map H:

3	H	5	<5	32	630	29	264	<2	<50	0.4	15	31	6	11000	940	7	648	4.7	89.6	82.1	8	287	30	13.00
4	H	6	<5	28	710	28	345	<4	<50	0.3	14	45	7	15000	1430	9	959	5.8	94.7	132.0	14	508	40	7.36
5	H	4	15	45	720	26	355	<5	<50	0.5	17	44	15	15000	1490	<7	996	6.1	92.7	134.0	15	516	39	7.59
13	H	4	10	40	780	28	388	<4	<50	0.4	13	60	11	15000	1410	<6	983	6.6	91.4	121.0	14	422	40	9.79
14	H	7	35	31	620	22	447	<2	<50	0.5	16	38	7	18000	890	12	568	4.9	81.8	96.4	10	204	28	11.11
15	H	4	<5	36	560	21	412	<2	<50	0.4	14	42	5	16000	760	16	470	4.7	81.5	89.6	9	172	28	11.94
16	H	9	<5	34	660	26	379	<2	<50	0.4	13	31	13	12000	1110	10	601	3.9	95.1	89.2	9	219	30	4.03
17	H	5	<5	36	710	28	441	<2	55	0.4	15	35	12	16000	1080	9	600	4.5	100.0	91.0	9	248	33	6.41
18	H*	3	78	34	640	26	369	<2	<50	0.3	14	31	6	14000	1060	10	570	3.7	90.1	81.1	8	217	29	6.41
19	H	4	13	37	710	24	469	<2	<50	0.5	14	37	8	18000	1200	12	664	4.4	92.5	95.5	10	249	34	18.55
20	H	3	<5	35	670	24	376	<2	<50	0.5	13	30	11	14000	990	8	567	4.1	89.1	78.4	8	223	29	9.96
21	H	3	29	28	590	23	363	<2	<50	0.6	13	30	7	15000	900	7	518	3.6	85.9	79.1	8	208	27	10.98
23	H	8	44	34	530	24	302	<2	<50	0.4	14	26	5	13000	760	6	480	2.6	77.5	72.2	8	201	23	10.57
24	H	3	10	37	530	23	324	<2	<50	0.5	12	28	4	12000	850	12	501	3.7	85.4	77.4	8	210	26	10.29
25	H	4	12	40	570	22	342	<2	<50	0.5	11	27	9	12000	970	6	510	3.4	78.7	70.3	7	200	28	2.72

Heavy	Min	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
54	H	4	16	23	630	24	370	<2	<50	0.7	15	31	8	14000	1180	10	570	2.9	91.6	87.6	9	234	29	4.54
55	H	5	49	31	740	27	506	<2	<50	0.4	16	35	8	20000	1220	9	648	4.5	90.4	86.5	8	253	33	9.55
56	H	4	<5	28	740	26	445	<2	<50	0.5	15	32	8	16000	1210	6	629	4.6	98.9	86.5	9	247	32	8.66
68	H	2	<5	42	550	21	266	<2	<50	0.4	8	27	7	10000	890	5	480	3.5	96.2	74.4	7	177	27	13.06
69	H	3	15	44	580	18	258	<2	<50	0.3	8	25	5	10000	790	7	385	2.9	89.9	66.8	7	143	24	18.11
70	H	3	<5	33	700	28	447	<2	<50	0.5	13	39	4	18000	1110	7	594	4.3	92.9	86.0	9	243	31	9.27
71	H	3	36	30	740	28	407	<2	<50	0.3	13	33	6	15000	1230	9	642	4.0	92.5	86.3	9	263	32	8.01
72	H	5	260	34	750	29	398	<2	<50	0.4	13	29	11	15000	1170	8	596	3.7	85.3	76.1	7	247	27	8.59
73	H	8	<5	31	630	27	333	<2	<50	0.4	11	25	5	13000	1080	9	561	3.4	83.8	72.6	7	218	26	9.37
74	H	4	100	39	650	28	332	<2	<50	0.4	13	28	7	13000	1050	7	541	3.2	86.9	72.1	7	223	26	8.49
75	H	4	<5	32	680	26	385	<2	<50	0.5	16	28	8	15000	1100	7	559	3.6	86.5	76.6	7	215	27	8.25
76	H*	6	26	55	980	30	502	<5	<50	0.5	15	85	11	18000	4020	<7	2270	6.8	108.0	261.0	25	1350	53	8.85
77	H	5	876	30	780	27	418	<2	<50	0.6	12	36	5	16000	1360	8	720	4.4	87.8	97.3	10	318	33	8.87
78	H	3	12	27	680	26	353	<2	<50	0.4	12	33	15	15000	1120	5	571	3.3	87.1	81.1	8	232	29	9.15
79	H	3	28	32	730	26	370	<2	<50	0.5	10	33	<4	14000	1090	<2	565	3.4	80.4	78.4	8	239	29	11.35
80	H	4	28	29	640	23	346	<2	<50	0.6	11	33	7	14000	930	4	501	2.8	74.8	80.2	8	223	25	9.70
81	H	3	<5	37	690	27	369	<2	<50	0.3	15	38	12	14000	1240	8	635	3.5	84.2	88.7	9	273	29	6.39
82	H	13	<5	35	640	24	300	<2	<50	0.5	12	31	12	12000	990	7	513	3.5	87.3	78.1	8	194	28	9.41
83	H	4	<5	30	720	27	347	<2	<50	0.5	13	39	19	13000	1270	6	654	5.0	98.0	90.5	10	265	40	7.98
84	H	5	<5	32	760	28	395	<2	<50	0.5	13	38	11	16000	1290	8	678	4.6	92.3	90.9	9	270	35	8.99
85	H	4	43	36	790	25	343	<7	<52	<0.2	7	177	<9	12000	4450	<8	2560	15.0	152.0	382.0	40	1350	63	13.25
86	H	4	<5	34	740	31	269	<2	<50	0.4	20	39	14	11000	1410	7	807	5.0	89.9	104.0	10	426	39	10.31
87	H	10	<5	35	640	23	338	<2	<50	0.6	15	52	23	13000	1300	9	752	5.1	94.2	111.0	12	351	37	9.82
88	H	6	32	29	640	25	335	<2	<50	0.3	14	34	15	13000	1180	7	642	4.1	81.7	81.9	9	275	28	17.97
89	H	2	120	35	650	23	393	<2	<50	0.3	11	36	25	15000	1090	10	589	4.5	88.6	84.2	9	246	35	8.42
90	H	5	51	36	730	22	342	<2	<50	0.4	16	44	19	13000	1510	11	791	4.5	82.8	107.0	11	353	35	10.33
91	H	9	14	32	610	21	364	<2	<50	0.4	21	44	25	14000	1220	8	683	3.2	86.4	94.8	10	313	36	5.54
92	H	5	90	28	640	26	319	<2	<50	0.4	11	28	15	12000	890	6	521	3.3	83.3	66.5	7	195	30	10.38
93	H**	8	460	34	580	27	296	<2	<50	0.7	16	27	79	11000	920	8	544	3.3	81.9	67.5	7	196	29	10.15
109	H	15	120	56	1200	26	341	<2	<50	1.0	13	27	12	14000	980	6	534	2.5	81.6	68.6	7	234	27	5.33
110	H	23	17	62	1300	27	295	<2	<50	1.1	11	25	5	12000	910	5	490	2.1	79.1	60.7	7	218	25	5.14

Location Map I:

57	H	5	<5	39	790	27	588	<2	<50	0.5	16	46	10	23000	1440	13	727	5.1	94.3	103.0	11	291	41	5.35
814	H	<5	<25	62	860	17	520	<10	<100	1.1	13	49	<23	17000	1400	<10	710	<2.5	92.0	120.0	12	311	37	0.31
815	H	8	<10	51	1100	23	310	94	130	1.0	13	23	<13	11000	970	<4	510	1.0	89.0	69.0	7	201	25	0.82
816	H	12	<16	45	630	23	263	<7	<53	0.5	12	38	<12	12000	1400	<5	713	1.4	119.0	98.1	10	344	36	1.43
817	H	6	<15	46	580	22	237	13	<51	<0.2	13	24	<12	8700	1100	<5	541	2.0	104.0	71.5	7	231	28	1.09
818	H	9	<14	48	510	22	226	<8	53	<0.2	11	33	<12	9300	1100	<5	547	2.7	123.0	78.7	9	252	31	1.44
819	H	5	<10	28	780	20	230	<4	<50	0.8	12	30	<14	7300	1100	16	530	2.8	117.0	96.0	11	186	35	0.72
820	H	4	500	31	540	20	259	<6	<50	<0.2	13	38	<11	10000	1320	8	635	2.5	118.0	97.1	10	291	34	1.88
821	H	20	<10	49	560	19	210	<4	57	1.0	10	34	<13	9100	1200	8	590	2.5	115.0	86.0	10	280	36	0.89

Location Map J:

101	H*	19	1110	61	650	31	232	<2	<50	1.2	10	18	7	9300	910	6	500	1.6	73.2	56.2	6	201	19	6.22
102	H	7	<5	41	690	29	315	<2	<50	0.7	11	22	7	12000	980	4	535	2.1	80.8	61.7	6	207	23	6.66
103	H	7	<5	50	770	30	358	<2	<50	0.7	10	25	6	14000	1080	7	595	2.3	76.2	66.4	7	239	26	7.85
104	H	12	<5	49	890	27	324	<2	<50	0.7	12	24	8	12000	1170	5	627	2.3	79.3	65.9	7	290	25	6.09
107	H	9	11	50	660	24	336	<2	<50	0.7	13	28	10	13000	890	<2	450	1.7	83.3	62.9	7	226	26	2.33
111	H	7	<5	45	830	28	365	<2	<50	0.9	11	25	10	15000	1010	<2	560	2.8	88.3	66.7	7	225	29	4.93
112	H	21	<5	58	860	28	341	<2	<50	1.0	11	26	5	13000	1040	<2	595	3.2	81.3	65.7	7	256	31	7.48
113	H	9	<5	57	790	29	319	<2	<50	0.8	11	23	11	14000	1090	<2	605	2.7	78.5	66.6	7	248	27	6.94
114	H	26	53	65	720	31	373	<2	<50	1.1	10	29	8	16000	1100	<2	635	3.2	74.7	69.8	6	270	29	7.70

Heavy Min	Depth m	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Hole A:																								
1001	1.0	10	<5	39	530	24	225	<2	<50	0.5	19	27	14	9300	980	6	450	2.9	79.4	82.1	8	181	22	10.66
1002	2.1	9	44	52	640	26	303	<2	<50	0.5	14	30	8	13000	1040	7	512	3.2	81.7	76.4	8	218	26	15.96
1003	4.5	7	<5	97	680	29	352	<2	<50	0.6	19	29	345	14000	1170	8	577	3.4	86.7	79.3	8	229	26	10.82
1004	5.5	18	63	73	690	28	318	<2	<50	0.8	13	26	12	12000	1130	7	548	3.4	89.5	76.0	8	212	28	8.33
1005	6.5	22	410	91	680	27	335	<2	67	0.7	11	25	8	14000	1060	7	501	3.2	83.9	67.9	7	194	24	7.64
1006	7.5	44	<5	130	650	32	313	<2	97	1.2	13	26	39	12000	1100	6	533	3.1	80.6	69.2	7	213	27	7.36
Hole C:																								
1007	1.0	6	250	37	640	27	250	<2	<50	0.5	15	23	60	9400	960	10	460	3.3	87.5	70.1	6	164	26	12.18
1008	4.3	6	<5	31	710	32	359	<2	<50	0.6	13	27	12	14000	1040	9	512	3.8	85.6	66.0	6	195	30	11.32
1009	6.5	10	<5	31	600	28	232	<2	<50	0.6	13	23	<6	9400	1020	8	490	2.9	87.4	69.0	7	183	25	6.00
1010	7.8	58	<5	170	730	35	348	<2	<50	0.9	16	33	150	13000	1290	6	652	3.8	78.0	80.4	7	328	31	8.68
1011	9.0	60	26	140	650	30	305	<2	53	0.7	17	39	394	12000	1350	7	633	3.2	83.4	87.0	9	296	29	5.26
1012	10.0	30	<5	110	710	30	364	<2	52	0.8	17	39	36	14000	1200	5	566	4.2	94.6	79.5	8	254	34	6.53
1013	11.5	33	37	110	700	29	312	<2	<50	0.7	17	35	12	12000	1100	9	522	2.9	86.3	76.6	8	221	29	7.50
1014	12.5	64	30	130	750	33	332	<2	<50	0.8	13	32	30	13000	1210	6	564	3.1	83.2	74.5	8	261	28	4.69
1015	13.5	46	16	120	680	31	383	<2	51	1.0	13	33	11	14000	1180	8	577	3.2	88.6	74.8	7	267	28	5.32
Hole D:																								
1016	1.0	12	<11	53	580	27	400	<2	<50	0.5	14	26	14	19000	860	5	508	4.2	68.2	69.2	7	210	27	6.38
1017	2.0	9	<13	57	550	30	384	4	<50	0.7	13	26	32	19000	980	5	554	4.6	73.8	75.7	8	232	28	4.40
1018	3.0	10	49	40	610	30	411	<2	73	0.7	15	26	24	19000	1000	6	574	4.5	71.9	77.4	7	249	28	6.56
1019	4.0	8	48	47	680	32	435	<2	56	0.6	15	29	11	21000	1050	5	604	4.2	71.3	80.5	8	274	28	5.27
1020	5.0	9	<12	42	650	30	256	7	<50	0.3	12	19	<9	13000	910	7	507	3.2	63.7	65.9	6	225	21	4.24
1021	6.3	12	90	52	630	27	352	<2	<50	0.7	12	24	12	16000	950	9	538	4.6	76.2	75.2	8	222	27	4.51
1022	7.5	41	38	110	580	30	321	6	<50	1.2	12	22	11	16000	900	8	525	3.9	72.0	70.1	8	225	24	6.71
1023	8.5	36	57	110	670	28	416	9	84	0.9	12	26	54	20000	1020	5	576	4.4	68.1	77.0	8	259	25	6.04
1024	9.5	45	35	99	660	32	383	5	100	1.0	11	27	14	19000	1010	6	592	4.4	66.9	76.0	8	275	26	6.54
1025	10.8	64	81	160	620	28	303	15	95	1.0	27	44	978	15000	1630	7	1000	4.6	66.7	106.0	10	565	26	5.30
1026	12.0	95	27	140	500	26	256	8	110	0.9	12	30	25	12000	950	7	552	4.0	65.5	79.5	8	275	25	7.27
1027	13.0	59	32	140	580	29	291	6	89	1.1	13	31	58	14000	1020	8	574	4.3	71.4	80.1	9	287	26	6.51
1028	14.0	44	41	130	650	30	314	6	87	0.8	13	34	60	15000	1100	7	629	5.1	75.2	88.9	10	341	32	5.19
1029	15.0	45	27	120	540	26	290	6	<50	1.0	15	29	20	14000	940	6	524	4.4	72.6	82.3	9	247	26	7.56
1030	16.0	43	14	120	570	28	327	<2	<50	0.8	16	36	21	15000	990	5	569	5.4	74.5	88.5	9	295	33	9.76
1031	17.0	36	<13	110	590	27	367	12	54	0.7	16	126	<10	18000	1070	6	585	5.2	76.8	81.2	9	301	29	8.78
1032	18.0	39	<11	110	500	23	311	<2	86	0.6	14	27	34	17000	920	5	553	3.0	62.4	84.5	8	317	19	9.01
1033	19.0	45	<5	110	590	28	365	11	110	0.9	14	29	13	18000	860	7	500	4.2	77.1	81.1	8	218	26	9.24
1034	20.0	41	<11	100	530	26	393	<2	<50	0.9	12	29	47	19000	900	8	522	4.4	75.2	79.1	8	243	28	9.83
1035	21.0	44	20	110	570	30	435	<2	67	0.6	19	31	9	21000	930	7	545	4.6	79.9	82.0	9	245	32	10.01
1036	22.0	34	16	100	570	27	395	4	57	0.7	13	31	19	19000	890	8	505	4.3	78.7	79.1	8	226	29	10.31
1037	23.0	33	28	98	550	26	349	7	<50	0.5	12	27	17	17000	810	7	460	4.2	76.5	74.6	8	195	25	8.74
1038	24.0	60	16	120	560	29	404	4	87	0.9	13	30	<9	21000	920	5	529	4.6	76.4	80.1	8	235	27	7.78
1039	25.0	89	25	110	620	29	428	7	<50	0.8	15	30	18	21000	960	7	549	4.5	74.2	76.8	8	244	28	7.93
1040	26.0	70	65	100	530	26	304	4	52	0.8	10	21	13	15000	740	6	410	3.9	73.2	64.9	7	176	24	7.95
1041	27.0	70	100	100	590	28	314	4	57	1.6	13	24	19	15000	790	7	450	4.1	71.5	69.2	7	200	25	9.31
1042	28.0	165	200	220	540	30	295	3	120	7.7	10	22	44	14000	570	3	330	3.5	63.5	50.3	5	133	20	12.71
1043	29.0	199	47	260	470	31	231	5	160	4.2	10	18	150	11000	540	5	330	3.3	67.9	47.0	5	127	19	17.52
1044	30.0	137	41	244	550	28	246	4	130	2.2	15	17	1099	12000	540	5	300	3.0	73.6	46.0	5	125	19	15.18
1045	31.0	118	35	200	480	28	269	6	150	2.6	12	19	180	13000	600	6	350	3.4	65.4	50.7	6	131	19	11.02
1046	32.0	118	26	220	520	28	299	<2	110	2.5	11	21	52	15000	680	7	370	4.0	72.9	58.1	6	156	22	7.93
1047	35.5	178	46	200	560	29	327	4	150	3.4	32	23	25	16000	690	6	390	3.8	70.5	59.9	6	158	20	11.43
1048	39.0	95	41	160	660	33	432	<2	79	1.8	11	29	37	22000	940	8	559	4.0	69.6	72.5	7	244	26	6.58

Heavy	Depth	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Min	m																							
1049	43.5	160	36	290	510	26	335	5	170	4.4	17	31	100	17000	790	7	480	4.3	72.9	71.2	8	213	26	9.94
1050*	45.0	126	480	230	550	22	356	8	64	1.8	15	33	227	18000	970	6	569	4.2	78.5	82.6	9	331	26	7.10
1051	46.0	120	56	160	600	21	482	4	72	1.6	17	38	218	24000	1050	4	612	4.6	75.3	96.2	10	332	27	7.46
1052	47.0	99	98	180	690	29	443	<4	100	1.4	12	33	<11	21000	1100	4	645	4.8	75.7	85.9	9	327	27	6.93
1053	48.0	58	<14	120	720	23	508	<4	67	1.2	12	32	<13	26000	1080	9	603	5.1	78.0	90.9	9	267	28	4.32
1054	49.0	53	<16	140	730	24	466	<5	130	1.5	11	30	<14	23000	1020	7	555	5.0	84.8	85.4	10	233	29	3.50
1055	50.0	64	30	130	690	25	511	8	100	1.6	13	32	<14	26000	1100	5	627	5.0	85.2	86.3	10	271	32	3.25
1056	51.0	66	77	140	640	24	452	4	100	1.5	13	31	<11	21000	1040	8	583	4.6	80.0	88.8	9	280	28	5.89
1057	52.0	330	87	240	560	31	320	8	150	4.3	11	22	<13	16000	810	9	460	3.5	72.1	68.6	8	202	23	3.58
1058	53.5	923	160	430	80	41	11	16	330	14.0	1	1	<6	790	56	<2	24	<0.5	11.0	6.1	<1	9	<5	21.16
1059	55.0	1312	117	445	190	41	16	16	361	14.5	2	-1	8	902	60	<2	31	0.6	16.0	8.8	2	9	<5	32.98
1060	56.0	862	97	410	74	40	8	15	280	15.0	2	-1	120	730	-29	<2	15	0.9	7.9	5.7	1	4	<5	24.64
1061	59.5	966	106	438	110	38	7	17	341	14.4	5	1	429	600	42	<2	24	1	11.4	7.0	<1	7	<5	39.80
Hole E:																								
1062	0.5	27	62	52	670	29	486	<2	<50	0.7	15	34	23	24000	1190	7	731	5.3	75.7	100.0	10	341	30	11.54
1063	2.0	8	<14	41	730	30	472	<3	52	0.5	14	32	18	24000	1220	6	729	5.1	76.9	94.6	9	336	29	15.56
1064	5.3	8	<5	55	660	29	391	<2	<50	0.4	14	27	17	20000	1020	7	619	4.5	73.4	80.7	9	286	26	13.44
1065	6.8	261	41	120	590	31	348	<2	64	1.2	13	28	<9	17000	960	5	570	4.4	68.5	79.2	8	270	24	10.59
1066	8.0	46	23	130	650	28	422	5	60	0.9	15	32	13	20000	1050	6	607	4.6	75.2	86.1	9	282	26	8.20
1067	9.0	45	<12	140	620	29	392	8	120	1.0	12	32	<12	20000	1030	6	607	4.4	74.0	82.0	8	286	29	6.03
1068	10.0	35	230	120	530	26	337	6	62	0.8	12	28	18	16000	890	5	514	3.9	72.1	77.2	8	238	24	7.47
1069	11.0	26	18	98	450	21	307	5	70	0.7	12	30	34	16000	750	4	440	3.4	59.8	74.6	8	213	21	9.64
1070	12.0	37	18	130	560	27	340	<2	73	0.6	11	29	40	17000	960	7	560	4.4	70.9	80.2	9	262	25	9.00
1071	13.0	29	36	100	490	24	295	<2	<50	0.9	11	31	36	14000	960	5	557	4.1	68.7	81.8	8	240	24	9.57
1072	14.0	42	<11	110	510	25	283	14	81	2.0	12	25	24	14000	900	6	500	3.9	69.4	73.6	7	233	25	7.51
1073	15.0	32	29	140	520	26	311	12	100	0.7	11	30	17	15000	920	8	531	4.0	68.5	75.1	8	247	25	6.93
1074*	16.0	37	<10	130	530	25	310	5	73	0.9	11	29	25	15000	1050	6	616	4.1	64.8	86.1	9	340	24	8.16
1075	17.0	45	<10	120	560	26	316	10	53	0.6	13	31	13	16000	1020	8	585	4.7	71.8	83.5	9	282	29	8.20
1076	19.0	29	34	100	500	25	287	5	57	0.6	13	25	42	14000	880	7	490	4.0	75.0	74.3	7	215	24	10.12
1077*	20.0	38	<13	170	530	24	335	5	81	0.9	27	32	2240	16000	880	8	516	4.6	71.6	74.7	8	239	27	8.77
1078	21.0	37	22	160	460	25	320	8	58	1.0	30	39	2240	16000	890	9	509	4.7	73.3	78.0	9	232	27	9.96
1079	22.0	43	<13	130	530	28	249	<4	58	0.8	19	29	340	13000	1000	10	577	4.6	85.7	88.4	11	255	30	5.26
1080	23.0	33	<11	110	570	27	319	9	66	0.9	13	26	78	16000	970	7	536	4.6	78.4	79.4	8	251	26	8.25
1081	24.0	56	<14	110	540	30	299	<2	93	0.8	14	25	20	15000	920	6	541	4.2	79.2	77.9	8	244	27	5.24
1082	25.0	39	<11	110	490	26	277	7	69	1.1	12	25	<11	13000	910	7	490	4.4	74.4	74.4	8	234	26	7.55
1083	26.0	35	<12	110	560	28	297	<2	76	0.9	12	28	17	16000	980	7	576	4.4	77.9	80.3	8	256	28	8.08
1084	27.0	45	<12	170	590	30	316	7	64	1.0	15	27	190	16000	910	8	533	4.5	79.6	77.6	8	240	26	9.04
1085	28.0	38	74	120	600	29	413	4	75	0.9	16	31	19	20000	1040	5	584	4.3	82.2	88.2	9	279	31	7.78
1086	29.0	40	17	150	550	27	362	8	<50	0.8	14	30	30	18000	930	7	526	4.0	77.2	82.4	9	244	27	7.33
1087	30.0	52	47	110	510	24	371	6	75	1.3	15	30	36	20000	840	5	490	3.6	67.6	81.2	9	260	23	8.22
1088	31.0	35	43	110	520	25	375	6	<50	0.8	13	31	25	18000	900	7	516	4.4	73.1	76.7	9	250	27	7.22
1089	32.0	32	<16	130	530	25	499	8	82	0.8	12	31	<15	24000	1040	10	561	4.9	72.0	81.3	8	238	28	4.04
1090	33.0	52	52	130	670	29	546	<4	140	1.7	12	34	34	27000	1160	8	667	5.3	71.1	83.3	8	305	31	4.74
1091	34.0	63	43	130	590	27	468	7	75	1.3	13	29	110	22000	1070	7	612	4.8	75.8	83.7	8	254	31	6.90
1092*	35.0	104	37	130	720	25	410	8	99	1.3	14	31	37	19000	1030	8	573	5.2	88.1	87.1	9	258	30	8.68
1093	36.0	131	32	130	590	24	411	13	100	1.0	14	33	39	20000	1040	7	599	5.2	82.4	85.4	10	274	30	8.05
1094	37.5	54	18	160	510	22	380	9	90	0.9	16	31	277	18000	910	7	528	4.9	79.6	79.9	9	243	28	8.10
1095	38.5	67	17	360	470	22	445	13	100	0.9	15	31	815	22000	790	8	430	5.1	83.1	72.8	9	194	31	9.29
1096	39.5	71	35	130	610	22	524	10	72	1.5	15	38	150	26000	1040	14	532	6.1	74.3	112.0	12	236	39	7.33
1097	43.5	763	555	525	560	38	84	9	390	30.8	5	9	190	4200	160	2	93	1.3	26.0	17.0	2	37	7	18.70
1098	44.5	675	460	520	540	35	92	10	380	28.4	4	7	75	4900	160	<2	91	1.2	24.0	17.0	2	33	<5	21.99
1099	46.3	647	649	550	550	35	62	8	380	37.8	3	5	58	3400	120	<2	66	1.1	22.0	13.0	1	24	5	21.08
1100	48.5	1000	781	670	650	39	59	12	510	57.9	7	5	671	3200	120	2	82	1.3	18.0	13.0	2	30	<5	15.31

Heavy Min	Depth m	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Hole F:																								
1101	0.5	11	20	38	590	27	279	<2	<50	0.6	14	25	17	11000	1100	6	511	3.5	94.2	73.9	8	201	26	7.06
1102	1.5	7	<5	59	630	25	364	<2	<50	0.6	13	33	36	14000	1190	10	566	3.9	92.2	78.4	8	231	31	7.82
1103	2.5	7	<5	50	600	24	315	<2	<50	0.5	12	27	92	12000	1160	7	604	3.3	79.5	75.4	8	304	28	6.20
1104	3.5	8	<5	56	610	26	355	<2	<50	0.6	14	28	22	15000	1190	9	568	3.5	92.1	80.1	7	226	28	7.87
1105	4.5	56	20	110	580	25	351	<2	62	1.0	13	32	59	13000	1370	6	656	3.2	84.5	84.8	9	267	28	6.26
1106	5.5	34	30	82	450	19	237	<2	<50	0.6	13	30	16	9900	790	3	480	1.9	65.6	67.8	8	224	21	8.96
1107	6.5	28	28	89	510	24	301	<2	<50	0.6	12	35	39	13000	1000	<2	607	3.8	81.2	79.1	8	265	32	10.46
1108	7.3	32	36	90	540	25	335	<2	<50	0.9	14	30	24	14000	950	5	530	3.2	88.0	72.2	7	212	30	7.80
1109	8.0	28	<5	83	550	24	329	<2	<50	0.8	12	33	55	14000	930	6	517	2.8	85.0	68.5	7	211	30	7.49
1110	8.8	18	<5	56	350	17	160	<2	<50	0.6	9	18	18	5600	690	7	330	1.0	77.5	53.6	6	108	19	2.01
Hole G:																								
1111	0.5	3	<5	38	750	23	322	<2	<50	0.3	12	28	9	14000	910	7	541	3.7	85.2	69.8	7	208	30	10.15
1112	1.5	6	<5	53	630	28	273	<2	<50	0.5	12	42	33	12000	1050	4	571	3.1	91.1	74.2	8	522	37	5.22
1113	2.5	6	<5	73	510	22	314	<2	<50	0.5	16	29	13	13000	900	6	506	3.4	91.5	67.3	8	210	30	9.63
1114	3.5	5	<5	46	590	24	329	<4	<50	0.4	13	31	10	15000	1020	7	562	3.6	89.9	73.8	8	225	32	8.07
1115	4.5	33	32	120	500	25	241	<2	<50	1.2	12	37	18	10000	850	4	470	2.5	82.0	67.4	7	198	28	7.60
1116	5.5	47	<5	110	520	25	228	<2	<50	0.7	12	28	8	9500	850	6	480	2.9	80.3	66.1	7	204	26	8.33
1117	6.5	36	190	120	590	28	306	<2	<50	0.8	13	32	6	13000	990	<2	535	3.1	83.5	69.6	8	240	32	6.81
1118	7.5	37	20	120	520	25	268	<2	<50	0.8	12	29	15	11000	910	<2	490	3.1	81.2	67.3	7	220	31	8.75
1119	8.3	23	<5	100	390	21	150	<2	<50	0.8	9	18	18	6200	610	4	350	2.3	84.1	47.0	5	137	19	15.00
Hole H:																								
1120	1.0	5	<5	36	510	23	243	<2	<50	0.3	12	25	11	9900	920	4	506	2.9	85.0	67.9	7	213	28	11.56
1121	2.5	5	13	56	520	23	240	<2	<50	0.4	11	27	5	11000	870	7	480	3.1	82.1	67.8	6	207	26	9.59
1122	3.5	4	<5	65	410	21	215	<2	<50	0.5	10	22	7	9700	840	4	450	2.5	70.2	66.7	7	177	25	10.10
1123	4.5	14	<5	68	420	21	200	<2	<50	0.6	16	29	18	8600	730	7	400	1.8	64.9	67.7	8	189	23	9.97
1124	5.5	33	<10	120	440	22	190	<4	<50	0.8	15	28	1030	8400	650	5	370	2.0	63.9	57.5	7	168	20	10.75
1125	6.5	38	53	140	460	25	220	<2	<50	0.7	11	26	33	9100	810	6	440	2.4	73.5	62.4	6	196	21	9.99
1126	7.5	39	<5	120	480	24	235	<2	<50	0.7	11	25	34	10000	770	6	440	2.6	79.5	59.7	6	196	27	10.76
1127	8.5	32	130	160	450	23	200	<2	<50	0.9	17	22	1580	8500	680	5	390	2.9	74.4	53.4	7	149	24	11.14
1128	9.5	34	23	130	560	28	238	<2	<50	0.9	15	26	130	8900	880	3	480	2.7	81.6	64.1	7	211	27	6.81
1129	10.5	45	13	110	490	25	245	<2	<50	0.7	12	28	11	10000	890	8	490	3.1	80.4	68.4	8	200	29	8.79
1130	11.5	44	<5	110	520	27	236	<2	<50	0.8	11	27	5	10000	930	7	500	2.6	81.4	65.4	7	212	29	8.17
1131	12.5	33	<10	110	550	28	272	<2	<50	0.8	14	29	26	11000	1090	10	548	2.0	93.4	72.6	7	239	29	2.24
1132	13.5	31	<5	100	510	27	253	<2	<50	0.8	12	29	13	11000	910	5	490	2.7	84.6	66.5	7	204	27	5.74
1133	14.5	43	<5	110	520	28	226	<2	<50	1.5	12	24	20	8400	940	5	500	3.0	83.2	64.1	6	208	27	7.08
1134	15.5	40	<5	120	530	28	251	<2	<50	0.8	12	29	11	9500	1110	5	594	3.0	85.2	71.9	7	261	28	5.54
1135	16.5	31	<5	100	570	23	230	<2	<50	0.7	11	29	18	9600	870	7	470	3.0	82.5	66.4	6	200	28	8.26
1136	17.5	50	<5	130	530	24	230	<2	<50	0.8	11	25	30	9500	890	4	490	2.4	81.8	64.5	7	204	27	8.11
1137	18.5	29	<5	98	530	24	222	<2	<50	0.5	11	40	21	9000	1110	5	603	2.8	81.7	81.6	8	298	30	7.97
1138	19.5	47	22	100	530	26	217	<2	<50	0.8	11	27	6	8700	990	6	539	2.8	82.4	71.0	7	240	28	7.57
1139	20.5	31	<5	98	490	25	207	<2	<50	0.6	11	28	15	8500	950	5	513	2.5	81.0	67.6	7	227	28	7.54
1140	21.5	31	<5	92	560	25	202	<2	<50	0.6	11	27	12	8000	940	4	480	2.7	87.1	68.2	9	215	28	6.30
1141	22.5	26	<5	110	510	26	225	<2	<50	0.6	11	28	24	8800	970	3	526	2.8	85.0	71.3	7	257	28	6.65
1142	23.5	37	<5	100	460	26	226	<2	<50	0.8	13	36	13	9100	1010	8	534	2.4	86.1	72.6	8	247	26	5.70
1143	24.5	38	160	96	580	25	263	<2	<50	0.8	12	33	19	12000	960	<2	537	2.4	80.2	77.3	8	267	26	7.28
1144	25.5	30	<5	93	610	25	239	<2	<50	0.7	12	29	8	10000	1010	3	521	3.0	88.9	70.7	7	227	29	7.73
1145	26.5	24	21	94	560	25	249	<2	<50	0.7	11	26	12	10000	1060	4	549	2.4	94.0	71.5	8	228	25	4.82
1146	27.5	36	<5	81	560	24	251	<2	<50	0.9	10	24	16	10000	900	5	490	3.0	91.8	63.4	6	186	30	10.97

Heavy	Depth	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Min	m																							
Hole I:																								
1147	0.5	9	93	60	570	25	332	<2	<50	0.6	16	26	18	16000	980	8	555	4.7	88.3	86.6	10	222	31	7.46
1148	1.5	7	27	57	590	29	411	6	<50	0.5	16	38	<14	20000	1130	5	645	5.2	85.9	90.9	10	306	34	6.91
1149	2.5	7	<13	74	550	27	349	<2	50	0.5	13	26	<14	17000	1000	4	559	4.8	87.1	84.4	8	245	28	6.65
1150	3.5	13	100	64	690	29	479	<5	75	0.7	18	36	<18	24000	1250	9	687	5.1	89.3	98.1	11	315	33	3.76
1151	4.5	45	<13	120	540	27	330	7	65	1.2	13	27	<15	17000	960	9	530	4.2	76.6	82.0	8	249	27	5.46
1152	5.5	38	58	120	480	24	280	7	110	0.8	14	29	<12	14000	780	6	470	3.4	62.1	76.7	8	242	21	9.27
1153	6.5	37	31	110	470	26	264	<2	72	0.9	13	25	<12	14000	830	7	470	3.9	72.8	75.9	8	218	22	8.41
1154	7.5	68	100	150	620	32	401	9	80	0.9	13	33	100	20000	1110	7	635	4.8	69.6	85.4	8	314	27	5.04
1155	8.5	51	<10	130	460	27	219	<2	55	1.0	12	23	24	11000	780	6	450	3.6	70.7	68.5	7	197	22	11.11
1156	9.5	26	<13	100	580	26	291	5	54	0.5	12	24	<14	14000	920	6	515	3.8	80.6	78.6	9	231	23	6.50
1157	10.5	72	<18	110	560	27	320	<5	100	1.0	14	25	<18	14000	960	7	528	4.4	86.0	78.5	8	226	27	3.26
1158	11.5	34	22	100	570	27	328	<2	70	1.0	13	26	<14	16000	990	7	537	4.2	82.1	81.8	9	226	26	6.09
1159	12.5	30	<13	100	510	25	282	5	95	0.6	11	24	<13	14000	870	7	490	4.2	79.0	73.7	8	204	26	5.83
1160	13.5	32	69	120	620	26	321	<2	77	0.8	12	27	<12	16000	920	7	527	4.3	80.8	77.6	7	234	29	9.07
1161	14.5	35	<16	79	560	24	537	7	96	1.1	13	37	<18	26000	1200	7	631	5.0	75.8	93.2	9	260	31	3.14
1162	15.5	46	<13	110	530	27	351	<2	92	0.8	13	28	<13	17000	1010	10	568	4.2	74.1	81.6	8	244	28	6.95
1163	16.5	48	29	110	630	27	289	9	94	0.9	13	25	<14	15000	910	9	515	4.0	73.2	75.7	8	235	25	5.30
1164	17.5	54	18	130	580	28	302	7	120	1.4	13	31	14	15000	970	9	554	4.3	76.1	82.4	8	255	27	6.96
1165	18.5	76	<13	130	490	27	264	<2	72	0.9	12	28	<14	13000	970	7	553	4.5	74.8	81.0	8	252	27	6.70
1166	19.5	59	33	110	470	25	245	7	66	1.1	18	25	27	12000	880	7	500	4.1	74.1	76.5	7	234	26	9.27
1167	20.5	35	130	97	460	23	263	8	66	0.5	12	24	<13	13000	880	8	480	4.1	71.8	75.6	8	227	26	8.13
1168	21.5	31	<13	110	570	28	306	5	94	0.8	14	29	19	16000	1000	7	537	4.3	80.1	87.7	10	258	27	7.89
1169	22.5	42	77	120	520	26	246	6	81	0.9	14	38	15	13000	930	7	510	3.9	78.0	82.2	8	245	26	7.88
1170	23.5	36	<15	120	600	27	363	5	99	0.6	14	34	<16	19000	1020	7	594	4.5	72.9	88.4	10	301	27	6.41
1171	24.5	44	39	120	530	26	330	5	78	1.0	13	31	34	16000	990	6	552	4.0	69.1	86.7	9	293	24	6.00
1172	25.5	44	<16	130	620	31	367	9	110	0.7	16	39	<17	18000	1140	<2	632	5.3	80.8	90.8	10	309	31	6.14
1173	26.5	36	84	120	610	26	318	4	84	0.8	16	28	21	15000	960	6	537	4.6	77.8	78.4	8	239	27	6.94
1174	27.5	42	<13	120	640	29	319	<4	110	0.8	12	28	<15	16000	1040	6	575	4.6	77.6	80.5	9	267	31	6.08
1175	28.5	41	<15	110	520	29	340	<4	96	0.8	13	29	39	16000	1020	6	576	4.7	74.8	83.3	9	265	27	6.10
1176	29.5	41	18	110	580	26	334	<2	<50	0.5	14	28	<15	16000	990	8	538	4.8	70.9	79.4	9	240	33	5.97
1177	30.5	42	<17	110	590	31	398	<5	74	0.6	12	31	<18	17000	1090	7	634	4.3	74.9	87.2	9	292	32	4.49
1178	31.5	46	<14	120	520	29	303	5	110	0.7	13	25	<17	14000	900	7	500	4.1	70.1	72.8	7	218	27	4.51
1179	33.0	43	25	110	560	28	357	<2	50	1.1	12	28	<16	16000	980	7	544	4.5	75.2	76.6	8	241	27	6.03
1180	36.5	1830	500	260	410	29	200	8	100	31.6	11	33	110	8800	320	4	160	3.0	52.5	27.0	5	69	16	5.36
1181	37.5	2530	350	340	340	30	130	8	180	30.3	9	13	92	6400	290	4	170	2.2	45.0	26.0	3	70	15	9.83
1182*	40.0	1790	400	230	510	29	180	8	160	13.0	11	17	<12	9200	450	5	240	3.0	52.2	40.0	5	104	19	9.64
1183*	41.0	2990	998	250	490	30	212	8	170	16.0	10	17	20	9900	480	4	270	3.3	52.5	42.0	5	119	18	11.17
1184	42.0	3444	882	270	580	32	240	<5	165	23.4	10	16	32	12000	540	5	320	3.5	57.4	47.8	5	143	20	12.40
1185**	43.0	5730	2750	290	530	30	190	6	220	23.8	7	12	15	9000	400	4	250	2.7	43.0	37.0	4	106	12	14.83
1186	44.0	508	130	110	780	24	455	<5	65	3.5	15	28	<17	22000	1000	7	564	5.0	79.3	84.4	9	253	30	5.71
1187	45.0	110	36	83	750	22	436	<2	<50	1.1	14	26	<15	22000	980	9	545	5.4	82.4	85.8	10	231	31	7.68
1188	46.0	173	33	92	870	23	562	<4	97	1.6	16	35	26	28000	1180	8	659	5.7	76.1	99.0	10	302	34	8.53
Hole J:																								
1189	1.3	14	230	30	680	29	384	<2	<50	0.5	16	30	21	16000	1090	4	569	3.8	89.6	68.7	7	227	32	7.99
1190	2.5	495	27	38	620	29	347	<2	<50	0.7	11	27	11	13000	1110	6	575	2.9	90.0	68.1	7	229	32	5.03
1191	3.3	6	<5	74	480	25	302	<2	<50	0.3	15	28	94	12000	950	5	490	3.0	81.1	63.6	7	186	28	6.27
1192	4.0	48	270	120	530	29	271	<2	<50	1.0	11	27	81	11000	900	5	480	2.9	80.8	60.3	6	200	29	6.80
1193	5.0	51	<5	140	550	31	253	5	<50	0.9	10	24	40	10000	940	7	490	2.5	74.9	57.9	6	202	25	7.01
1194	6.0	55	<5	120	590	32	260	<2	<50	0.9	11	26	26	9800	1010	6	553	2.9	76.6	64.1	6	240	27	6.52
1195	7.0	43	<5	110	600	29	280	<2	<50	0.9	12	25	22	12000	930	5	500	3.2	84.2	60.3	6	196	29	8.17
1196*	8.0	44	180	120	650	28	279	<2	<50	1.0	12	33	36	12000	1000	<2	552	3.4	78.6	69.1	7	224	31	9.37

Heavy	Depth	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Min	m																							
1197	9.0	41	63	110	590	29	286	<2	<50	1.0	10	30	77	11000	1020	6	522	3.3	81.7	65.3	7	222	29	7.49
1198	10.0	47	110	110	510	27	266	<2	<50	0.9	12	26	43	11000	870	4	480	2.8	79.2	63.3	7	199	29	9.17
1199	11.0	53	150	120	610	29	279	<2	<50	1.0	11	29	23	11000	970	7	516	3.0	84.0	65.5	7	215	28	6.99
1200	12.0	37	51	110	590	29	238	<2	<50	0.8	13	28	22	9500	950	3	490	2.4	82.6	62.7	6	200	29	4.65
1201	13.0	44	56	110	590	27	287	<2	<50	0.9	12	29	19	12000	990	6	544	3.3	83.1	68.0	7	233	32	8.56
1202	14.0	44	19	97	630	25	286	<2	<50	0.7	12	33	64	12000	1030	<2	560	3.5	77.5	73.2	7	267	30	8.98
1203	15.0	39	<5	96	530	24	242	<2	<50	0.6	13	29	9	11000	930	<2	519	3.1	77.2	70.5	8	237	28	9.00
1204	16.0	53	<5	180	490	24	234	<2	<50	0.7	13	32	53	10000	810	<2	470	1.8	65.9	72.4	8	271	25	8.28
1205	17.0	50	21	100	550	27	287	<2	<50	0.9	15	33	42	13000	1000	<2	557	3.2	78.2	73.6	8	255	30	9.74
1206	18.0	43	15	120	730	29	320	<2	<50	0.6	14	36	47	12000	1110	3	619	3.0	82.3	78.2	8	310	31	6.56
1207	19.0	41	91	110	630	29	285	<2	<50	0.6	13	31	43	12000	1020	5	578	3.0	80.0	71.6	8	271	30	7.64
1208	20.0	41	24	130	660	29	307	<2	<50	0.7	14	46	64	12000	1080	3	608	3.9	82.5	75.6	8	296	38	6.73
1209	21.0	41	<5	120	580	27	254	<2	<50	0.7	18	32	26	11000	1040	4	549	3.2	82.3	75.1	8	267	32	7.16
1210	22.0	44	<5	120	560	26	278	<2	<50	1.0	14	35	25	12000	1080	8	602	3.2	79.2	74.8	8	285	31	8.07
1211	23.0	35	<5	110	580	27	249	<2	<50	0.6	12	33	120	9600	1010	4	565	2.8	79.9	72.9	8	265	30	8.92
1212	24.0	31	38	94	620	28	274	<2	<50	0.8	12	30	100	12000	990	4	547	2.8	83.1	69.7	7	236	29	8.40
1213	25.0	42	<5	120	640	30	271	<2	<50	0.9	12	29	43	11000	1030	5	566	2.7	82.8	70.3	7	268	27	5.46
1214	26.0	25	78	93	490	25	272	<2	<50	0.6	11	25	6	11000	740	6	430	3.3	79.0	59.8	6	169	26	11.20
1215	27.0	32	23	89	490	23	274	<2	<50	0.7	10	26	29	11000	720	<2	410	2.8	79.1	56.9	7	161	27	10.89
1216	28.0	55	13	120	540	28	272	<2	<50	0.9	11	26	10	11000	750	<2	420	2.8	76.4	54.7	6	170	20	10.08
1217	29.0	84	33	310	510	31	256	<2	<50	1.7	13	23	13	10000	740	4	400	2.2	71.6	52.5	6	177	18	5.98
1218	30.0	113	19	150	530	30	249	<2	<50	2.1	10	22	14	11000	770	4	410	2.5	75.0	53.9	5	164	20	8.27
1219	31.0	124	14	180	490	27	273	<2	<50	1.7	11	25	29	11000	880	5	480	2.7	79.8	62.4	7	204	19	8.77
1220	32.0	79	<10	130	580	23	270	<4	<50	1.1	12	29	7	12000	1100	5	584	2.7	96.1	76.9	8	269	24	6.02
1221	33.0	57	33	170	610	24	255	<4	<50	0.8	11	28	11	10000	1100	5	566	2.2	87.8	72.3	7	280	21	4.27
1222	34.0	58	19	130	630	23	277	<5	<50	1.1	15	34	13	12000	1090	4	558	1.5	81.6	80.5	8	318	16	3.93
1223	34.5	53	42	140	580	22	265	<4	<50	1.2	11	29	<7	10000	1010	7	527	1.7	92.5	70.8	8	249	21	3.30

Hole K:

1224	1.0	<5	<13	34	610	26	449	<2	<50	0.6	15	31	14	21000	990	6	571	4.4	77.7	90.9	10	236	28	12.87
1225*	2.0	6	<14	44	620	28	404	<2	57	0.5	15	38	<16	19000	1210	9	708	5.1	88.5	107.0	11	334	35	8.92
1226	3.0	22	<5	54	430	18	201	<2	54	0.7	8	16	<12	9600	600	6	320	2.7	61.5	54.6	6	119	19	19.05
1227	4.0	97	<14	110	620	30	403	4	69	1.6	14	31	16	19000	1140	7	650	5.5	86.9	94.4	9	278	37	9.94
1228	5.0	161	36	130	600	35	308	<4	52	1.7	13	27	<17	15000	1080	10	606	5.0	80.7	90.1	9	311	28	7.10
1229	6.0	98	97	150	690	34	417	<5	110	2.0	19	34	21	20000	1160	9	682	5.4	95.0	94.8	10	302	29	8.43
1230	7.0	105	<15	130	740	34	440	8	87	1.6	12	35	69	20000	1200	10	689	5.9	83.8	94.0	10	314	34	6.31
1231	8.0	786	693	250	1200	38	434	<6	98	4.3	23	40	48	21000	1040	7	615	6.0	89.8	86.2	10	299	33	4.27
1232	9.0	1660	3560	240	630	35	251	11	170	9.0	15	25	64	11000	760	8	440	3.9	73.4	62.5	8	199	24	4.75
1233	10.0	769	160	230	580	34	247	6	120	6.1	15	25	49	11000	770	7	440	4.3	72.4	66.8	8	217	26	7.26
1234	11.0	685	420	250	550	34	263	<5	130	6.4	12	25	72	12000	800	6	430	4.2	69.2	66.1	8	223	28	4.01
1235	12.0	936	64	250	610	35	297	8	120	8.5	13	25	67	14000	860	7	490	4.5	78.1	71.6	8	234	28	5.27
1236	13.0	751	66	230	540	34	294	16	150	4.7	16	27	35	15000	880	4	490	4.7	75.0	74.4	8	234	31	5.75
1237	14.0	893	180	220	710	33	335	6	120	6.0	15	31	27	17000	860	6	480	4.5	76.4	74.1	8	228	26	5.97
1238	15.0	750	120	210	850	37	355	8	80	12.0	17	27	130	19000	980	9	586	3.9	81.7	74.2	8	304	28	2.45
1239	16.5	74	160	87	540	25	280	<2	120	3.1	16	22	18	14000	470	9	250	4.2	86.3	51.5	7	116	23	12.49

Hole L:

1240	0.5	13	97	62	600	27	337	<2	<50	0.4	16	35	17	14000	1070	4	569	2.6	86.2	76.8	8	276	25	6.39
1241	1.5	18	<12	65	500	22	268	<5	<54	0.8	11	35	10	12000	730	<6	450	1.9	93.4	65.4	8	200	27	8.60
1242	2.5	4	<12	57	600	24	140	<5	<52	<0.2	10	18	<6	5300	540	5	290	6.8	133.0	42.0	10	132	54	15.20
1243	3.5	5	<14	51	460	27	324	<6	<58	0.5	13	27	10	14000	1100	7	607	2.9	87.2	68.8	7	232	30	7.61
1244	4.5	32	<14	100	540	30	321	<6	<60	0.8	12	26	37	12000	980	9	589	2.6	83.3	66.9	8	234	27	8.43
1245	5.5	38	29	90	580	32	323	<4	<50	1.2	12	26	10	13000	980	<5	584	3.0	79.9	64.4	7	244	25	7.61

Heavy Min	Depth m	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
1246	6.5	43	<11	110	650	31	348	<6	<50	1.3	10	28	37	14000	1030	8	594	3.1	84.3	67.4	7	242	32	7.66
1247	7.5	63	<12	130	530	32	262	<5	<50	2.0	11	22	11	11000	1030	5	549	2.3	74.6	60.0	6	225	22	5.47
1248	8.5	56	15	110	640	31	244	<6	<50	1.4	10	21	10	9600	1120	<5	604	2.0	75.4	62.7	8	246	21	5.13
1249	9.5	41	130	100	590	32	286	<4	<50	1.0	11	25	7	12000	1120	<5	624	1.9	77.1	65.9	7	267	27	5.77
1250	10.5	42	<10	120	650	32	310	<4	<50	1.1	11	24	8	12000	1100	5	621	2.1	81.5	68.6	7	261	27	6.95
1251	11.5	38	23	92	650	30	341	<4	<50	1.0	11	27	8	13000	1070	<5	628	2.7	79.8	68.7	8	255	27	9.35
1252	12.5	31	<12	89	550	27	309	<4	<50	1.1	10	26	23	13000	1040	7	550	2.1	81.7	64.7	7	239	27	4.42
1253	13.5	31	15	97	620	27	289	<2	<50	0.9	10	23	9	11000	900	<4	516	2.5	79.5	60.2	7	196	24	9.73
1254	14.5	45	<5	100	590	31	264	<4	52	1.2	11	22	12	10000	910	6	509	2.6	84.1	59.9	7	213	25	6.14
1255	15.5	65	<12	100	640	31	293	<4	<50	1.1	9	23	10	11000	890	7	538	2.5	75.5	58.7	6	217	23	6.80
1256	16.5	31	49	93	600	29	356	<4	<50	0.9	11	29	5	14000	960	11	550	2.7	81.2	64.9	6	217	28	9.40
1257	17.5	32	<10	90	700	31	313	<4	<50	0.8	9	26	16	13000	1070	<5	580	2.6	81.6	66.0	6	247	26	7.28
1258	18.5	43	<13	100	540	28	308	<5	<50	1.0	18	38	24	12000	980	10	533	3.3	84.0	81.3	10	216	29	9.00
1259	19.5	50	803	140	500	28	253	<5	<50	1.0	10	42	78	11000	1030	<5	528	0.7	72.5	63.3	7	257	26	3.46
1260	20.5	44	23	110	420	25	208	<4	95	1.0	10	27	73	9400	830	5	440	0.6	67.1	63.2	7	225	20	4.00
1261	21.5	32	<12	130	570	28	267	<7	<50	0.7	14	30	15	11000	950	8	523	2.6	82.9	62.1	7	239	29	7.18
1262	22.5	51	<11	160	590	30	250	<5	81	0.7	11	42	17	11000	850	6	470	2.3	79.3	59.0	7	203	28	8.82
1263	23.5	41	110	130	630	28	277	<6	74	1.0	14	36	28	12000	1000	5	532	2.8	84.3	65.8	8	232	33	8.03
1264	24.5	60	100	160	620	29	271	<5	<50	0.8	13	31	41	11000	980	6	530	3.2	84.6	65.4	7	227	30	8.08
1265	25.5	66	73	130	560	28	260	<5	<50	1.5	11	33	26	11000	970	8	549	3.2	83.9	66.7	7	227	29	8.03

Hole M:

1266	0.5	8	26	50	720	31	334	<4	<50	0.4	13	26	<7	15000	1200	<4	661	2.9	89.2	73.7	8	263	27	6.45
1267	1.5	8	130	34	680	28	330	<4	<50	0.6	11	26	10	13000	1090	7	575	2.9	92.3	71.0	7	209	33	7.08
1268	2.5	28	<10	130	640	29	322	<4	<50	0.9	10	26	8	14000	940	4	537	2.6	75.9	61.2	6	202	27	7.62
1269	3.5	47	19	96	640	34	248	<4	<50	1.2	9	22	<6	11000	1018	4	556	2.4	75.3	60.9	6	245	23	6.17
1270	4.5	39	<13	100	570	30	293	<4	<50	1.0	10	24	15	11000	980	7	519	2.3	75.5	59.9	6	227	26	6.46
1271	5.5	47	17	110	660	34	278	<6	<50	1.2	13	25	11	12000	1100	<2	578	2.0	79.7	64.9	7	249	28	5.03
1272	6.5	57	<13	150	580	30	235	<4	94	1.4	12	24	10	10000	840	7	480	2.7	83.9	61.4	7	196	29	8.32
1273	7.5	36	17	97	450	29	301	<4	<50	0.8	10	26	21	12000	880	<2	515	3.2	76.3	56.7	7	213	27	8.06
1274	8.5	23	<11	83	450	28	190	<2	<50	0.6	8	17	36	6900	680	5	380	2.5	76.5	47.0	6	154	22	10.37
1275	9.5	38	47	94	630	31	340	<5	<50	1.0	11	29	8	14000	1150	5	615	2.7	85.9	67.8	7	254	30	6.08
1276	10.5	39	34	97	570	28	269	<4	57	1.0	10	23	39	11000	1000	5	541	2.5	81.6	63.8	7	219	23	7.86
1277	11.5	42	<14	100	830	31	557	<6	51	1.2	13	40	190	23000	1350	<5	740	3.4	84.4	81.5	8	326	37	3.75
1278	12.5	43	<13	120	700	32	333	<5	54	1.1	9	29	24	15000	1350	8	728	2.1	82.1	81.6	7	322	31	4.59
1279	13.5	45	<12	110	420	27	336	<5	<50	1.2	12	39	77	14000	950	<2	564	2.4	68.4	76.7	9	281	31	7.32
1280	14.5	34	55	130	550	27	341	23	<50	1.0	12	31	50	14000	1030	<2	554	1.8	80.5	73.0	7	265	27	5.02
1281	15.5	34	<11	120	600	30	259	<5	<50	1.1	12	26	44	9200	980	7	510	2.4	86.1	62.4	6	230	28	4.81
1282	16.5	36	13	130	570	28	277	<5	<50	0.9	10	28	16	10000	1080	<2	545	2.3	86.1	65.8	7	247	24	5.54
1283	17.5	31	20	110	540	29	227	<4	57	0.8	10	26	9	8700	880	5	470	3.3	108.0	58.9	6	207	29	6.65
1284	18.5	34	16	120	480	27	190	<4	<50	0.6	10	28	31	7500	760	<2	440	2.8	106.0	55.9	7	180	29	11.84
1285	19.5	43	<13	100	560	27	239	<4	56	1.0	10	26	19	9800	910	7	490	2.5	85.1	63.1	7	209	30	7.13
1286	20.5	33	32	130	510	28	200	<4	<50	0.7	13	26	<7	7500	940	4	480	2.0	86.0	58.5	5	207	28	5.03
1287	23.0	133	59	150	430	32	217	<5	<50	1.6	12	29	8	8800	940	5	500	2.9	77.3	60.5	7	234	26	8.18
1288	26.0	168	180	150	600	31	221	<7	<50	1.4	12	32	15	8800	1100	<2	561	2.2	81.6	66.0	8	273	29	5.51

Hole N:

1289	0.5	7	83	39	640	29	363	<2	<50	0.5	16	27	21	17000	1120	8	631	4.8	92.2	90.9	9	265	32	6.55
1290	1.5	10	<17	55	680	30	362	<5	<50	0.5	15	27	<20	17000	1150	9	649	4.7	89.7	92.1	9	290	30	5.67
1291	2.5	<6	100	44	530	26	395	8	52	0.5	14	28	<18	20000	1130	7	616	4.8	82.2	92.6	9	277	28	7.36
1292	3.5	11	64	64	610	27	456	<5	90	0.7	16	33	<22	23000	1090	10	653	4.7	77.6	95.4	10	297	30	5.39
1293*	4.5	58	95	110	590	29	365	5	<50	1.2	12	27	<20	18000	1030	9	590	4.5	80.2	84.2	8	259	31	6.07
1294	5.5	51	30	120	590	31	364	<5	<50	1.1	13	26	31	18000	1050	7	584	4.8	80.4	77.6	8	264	28	5.82

Heavy Min	Depth m	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
1295	6.5	60	42	160	550	29	290	<2	120	1.2	9	20	23	14000	920	5	519	3.7	65.9	66.9	6	222	22	6.66
1296	7.5	59	160	120	660	33	365	8	59	1.3	13	26	<18	16000	1120	7	605	4.6	75.8	77.7	8	267	27	6.49
1297	8.5	51	<14	110	660	31	346	10	<50	1.2	12	25	<19	17000	1120	7	613	4.8	76.4	80.6	8	260	28	5.48
1298	9.5	871	430	180	630	37	348	<5	69	1.2	14	32	<20	16000	1120	8	618	4.9	80.0	83.0	8	282	31	6.55
1299	10.5	269	66	110	730	38	324	<5	70	1.0	16	24	33	15000	1150	7	631	4.1	72.6	77.2	8	293	31	3.31
1300	11.5	71	86	110	590	39	272	7	59	1.0	14	22	<18	13000	1020	7	577	4.5	79.3	75.6	9	239	28	7.39
1301	12.5	120	3110	100	510	24	289	<4	73	7.6	9	17	392	13000	700	7	370	3.4	74.9	58.5	6	124	24	3.85
1302	13.5	1020	1640	390	240	42	160	17	<55	8.5	12	9	1330	7100	350	3	170	1.8	36.0	28.0	3	55	9	2.33

Hole O:

8068	1.0	3	<5	34	630	24	350	<2	<50	0.6	16	33	<10	14000	1220	9	622	3.8	93.5	86.6	9	226	30	9.91
8069	2.0	7	80	48	620	25	362	<2	<50	0.5	14	32	<11	13000	1220	8	585	3.2	93.0	82.8	9	223	29	8.44
8070	3.3	11	430	48	590	26	292	<2	<50	0.5	16	27	15	11000	1120	9	545	3.4	93.6	76.7	7	200	27	9.03
8071	4.5	32	<10	140	580	27	311	<2	87	0.8	13	46	33	12000	1050	7	521	2.8	81.1	71.2	7	214	26	8.92
8072	5.5	33	46	120	560	26	293	<2	80	0.8	10	30	22	11000	1050	5	509	4.6	87.2	70.9	8	213	32	10.48
8073	6.5	39	71	120	570	28	261	<2	71	1.7	13	29	<11	9900	1120	8	554	3.0	84.7	71.6	8	221	25	5.48
8074	7.5	43	71	130	580	25	240	<2	<50	1.1	11	25	13	8900	900	5	450	3.4	86.8	64.6	8	197	28	9.93
8075	8.5	31	<5	140	510	24	224	<2	90	0.6	13	25	34	8500	840	8	400	2.7	84.6	61.6	7	155	24	11.20
8076	10.0	33	13	110	570	24	218	<2	<50	0.8	11	23	<10	8900	830	4	400	2.6	87.1	60.4	7	170	21	10.48
8077	11.5	41	27	130	600	28	273	<2	<50	0.9	12	27	35	11000	1040	7	506	3.2	84.5	69.8	7	205	27	8.39
8078	12.5	44	19	110	570	26	241	<2	83	1.1	11	25	<10	8600	930	7	450	2.2	83.2	65.3	7	180	23	10.50
8079	13.4	20	<5	51	260	31	98	<2	<50	0.3	5	10	<7	3600	400	2	190	1.2	35.0	29.0	3	77	11	18.97
8080	14.1	39	<10	85	480	27	272	<2	<50	0.7	10	25	<10	11000	950	4	470	2.5	71.1	65.6	6	192	23	8.13
8081	15.0	23	<5	95	410	27	190	<2	76	0.6	10	20	257	7000	720	6	360	2.1	59.9	50.5	5	154	16	12.23
8082	16.0	37	24	110	550	25	208	<4	<50	0.8	11	24	22	9000	990	7	450	2.0	71.9	71.1	7	192	21	6.69
8083	17.0	46	19	120	580	26	282	<5	<56	1.1	15	32	25	11000	1180	8	542	3.5	79.7	81.8	7	230	27	9.83
8084	18.0	37	<11	110	570	23	252	<5	<54	0.8	11	30	16	10000	1080	8	510	3.4	80.1	74.6	7	200	28	12.22
8085	19.0	35	25	110	550	27	262	<5	66	0.6	12	31	33	11000	1080	11	523	3.5	83.4	73.4	8	220	31	10.87
8086	20.0	40	<5	99	600	28	249	<2	<50	0.7	12	30	23	10000	1180	5	557	3.3	85.7	75.7	7	234	26	9.74
8087	21.0	38	10	100	690	26	282	<2	51	0.8	15	30	9	13000	1220	<5	579	4.3	84.9	76.9	8	235	28	9.65
8088	22.0	34	52	110	590	25	266	<2	<50	0.9	12	30	9	12000	1100	6	555	3.4	84.6	73.3	8	220	28	9.79
8089	23.0	33	150	110	670	26	297	<2	<50	0.5	11	31	35	13000	1200	10	578	4.4	89.4	78.2	8	241	31	9.15
8090	24.0	28	<5	99	550	26	254	<2	<50	0.6	14	30	19	10000	1110	6	546	3.4	93.4	75.1	7	223	28	9.75
8091	25.0	62	90	110	600	28	245	<2	<50	0.9	13	30	15	8900	1190	10	569	3.4	93.1	76.7	7	237	31	8.16
8092	26.0	34	78	110	560	24	264	<2	<50	0.7	14	30	19	10000	1110	7	530	3.7	89.7	75.1	8	212	30	9.99
8093	27.0	32	38	130	600	26	260	<2	<50	0.7	13	35	13	11000	1110	9	518	3.7	92.6	76.8	9	187	29	11.48
8094	28.0	28	<5	92	630	27	270	<2	<50	0.8	12	29	9	11000	1180	10	574	3.6	94.2	80.5	8	225	27	10.70
8095	29.0	35	77	100	500	25	233	<2	<50	0.8	10	24	14	9700	970	5	470	3.2	85.0	66.9	8	184	25	11.91
8096	30.0	62	<11	140	550	27	208	<2	<50	1.0	10	23	12	8500	1000	6	480	3.1	82.9	66.6	6	200	24	12.78
8097	32.5	587	19	490	520	28	216	<2	73	1.5	10	19	18	8800	800	6	400	2.7	86.0	53.8	6	155	23	13.92
8098	34.4	8780	2260	210	510	27	242	<7	110	15.0	10	23	11	10000	1030	7	470	4.1	84.0	62.5	5	188	38	8.90
8099	35.5	692	240	210	390	27	73	<2	120	4.5	14	10	916	2400	260	4	120	2.1	63.9	24.0	4	51	16	14.16
8100	36.5	630	500	570	350	26	61	16	180	5.5	38	12	4190	3300	240	<2	110	1.5	70.2	19.0	6	61	13	5.80
8101	37.5	686	812	200	360	22	110	<4	190	5.6	14	16	535	3700	370	4	180	1.4	60.7	35.0	5	93	13	11.37
8102	40.5	781	270	110	480	27	180	<2	100	8.3	10	17	10	8100	710	5	340	2.4	66.5	50.2	4	147	21	12.36
8103	41.7	620	180	110	410	29	130	<2	83	10.0	6	12	11	4600	510	6	240	1.7	47.0	35.0	4	102	14	9.07

Hole P:

8104	1.0	6	<5	39	580	26	295	<2	<50	0.4	12	27	11	11000	1050	7	521	3.8	88.1	74.8	8	207	27	11.11
8105	2.0	9	<5	56	630	25	305	<2	<50	0.5	14	30	<6	13000	1180	<4	549	3.4	87.5	77.9	8	211	29	8.83
8106	3.0	4	<10	39	510	25	316	<2	<50	0.4	14	29	<6	13000	1140	7	537	3.5	89.6	77.9	7	214	26	9.20
8107	4.0	6	90	75	730	30	390	<2	<50	0.5	14	33	12	16000	1340	<4	649	3.9	90.9	85.8	9	274	31	7.66
8108	5.0	30	<10	120	550	27	264	<2	58	0.7	19	27	<6	9800	970	6	490	2.9	83.8	68.5	7	193	26	12.50

Heavy Min	Depth m	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
8109	6.0	34	1260	110	470	26	258	<2	<50	0.9	13	28	26	9800	980	7	470	2.8	81.1	70.2	7	191	24	9.64
8110	7.0	45	<12	130	620	29	323	<2	55	0.8	12	35	24	13000	1200	10	584	3.1	81.8	78.5	8	273	23	7.51
8111	8.0	33	<5	120	630	27	298	<2	76	0.6	11	31	20	13000	1150	6	550	3.1	83.0	75.6	8	242	25	8.35
8112	9.0	39	16	100	560	27	285	<2	<50	0.8	13	29	15	11000	1100	9	535	3.4	84.2	76.5	8	236	25	8.70
8113	10.0	53	20	120	720	28	298	<2	62	1.2	11	28	21	11000	1060	6	513	3.1	84.0	70.5	7	224	27	6.56
8114	11.0	35	14	120	630	27	284	<2	54	1.8	11	29	68	11000	1000	<2	500	2.8	83.1	69.6	7	218	26	7.57
8115	12.0	32	44	110	640	27	327	<2	<50	0.9	11	33	42	14000	1150	9	545	2.9	79.1	75.7	7	239	27	7.21
8116	13.0	26	<5	98	580	25	295	<2	<50	0.8	12	31	9	11000	1150	8	558	2.7	81.0	76.5	8	252	26	8.30
8117	14.0	25	23	100	510	25	287	<2	<50	0.7	14	31	14	11000	1000	11	490	2.9	80.9	72.7	7	203	25	12.35
8118	15.0	38	35	110	590	26	287	<2	77	0.9	12	30	8	11000	1060	6	515	2.5	77.1	74.7	7	230	24	8.93
8119	16.0	45	27	110	530	25	293	<2	140	0.9	13	33	11	12000	1040	7	505	2.2	71.9	81.1	7	243	22	9.65
8120	17.0	40	16	110	520	25	299	<2	54	0.8	16	32	13	12000	1110	9	518	2.8	81.2	79.4	7	223	25	9.79
8121	18.0	46	<12	120	600	24	276	<2	91	0.7	14	36	140	9900	1100	13	566	2.9	84.6	79.0	8	230	25	9.80
8122	19.0	43	<5	97	580	26	290	<2	<50	0.7	14	32	56	10000	1130	8	554	3.3	86.7	80.4	8	240	27	10.95
8123	20.0	43	41	120	580	25	312	<2	<50	0.9	13	40	25	13000	1190	6	566	3.3	87.3	82.9	8	255	28	8.53
8124	21.0	26	<11	98	570	26	269	29	<50	0.8	14	32	11	9600	1090	5	535	3.2	85.4	76.0	9	222	28	10.49
8125	22.0	27	19	110	610	25	270	<2	<50	0.8	12	30	13	11000	1170	11	559	3.4	86.7	77.6	8	238	27	10.70
8126	23.0	30	<11	93	540	27	225	<2	<50	0.6	19	27	22	8300	1020	10	490	3.1	85.6	70.8	7	209	27	10.00
8127	24.0	43	<11	120	570	27	273	<2	<50	0.9	11	30	27	10000	1130	10	544	3.2	83.1	76.1	8	243	25	8.97
8128	25.0	35	23	120	560	28	269	<2	<50	0.7	11	29	21	9700	1050	8	503	3.1	80.8	71.2	7	215	24	9.64
8129	26.1	30	<5	93	530	26	243	<2	76	0.8	14	26	8	10000	1060	7	509	3.0	82.4	71.7	7	204	27	10.06
8130	27.3	27	47	110	550	27	289	<2	<50	0.7	14	30	19	11000	1070	8	536	3.4	88.4	74.7	8	212	26	10.15
8131	28.4	27	56	100	660	29	330	<2	56	0.8	12	32	<7	14000	1240	<4	606	3.0	86.5	82.5	8	262	28	7.60
Hole Q:																								
8132	25.5	25	19	86	640	26	285	<2	53	0.6	12	28	13	11000	1040	6	519	2.8	83.4	73.9	7	218	28	10.78
8133	26.5	28	<5	95	620	27	298	<2	<50	0.6	12	27	11	11000	1090	8	513	3.3	86.9	75.5	8	219	26	8.17
8134	27.5	36	1560	90	540	27	279	<2	58	0.7	13	27	9	11000	1160	8	550	3.6	88.3	77.0	8	225	29	8.24
8135	28.5	20	<5	130	470	20	207	<2	<50	0.6	14	19	1130	8000	750	4	360	2.2	85.6	52.9	6	142	16	12.98
8136	29.4	95	23	110	530	24	314	<2	<50	1.0	13	29	57	13000	1160	7	548	2.8	86.2	77.2	7	237	24	6.90
8137	31.0	59	29	97	500	24	280	<2	<50	0.9	11	27	14	10000	950	7	450	1.6	66.9	69.6	6	223	17	4.15
Hole R:																								
8138	25.5	33	39	110	470	24	263	<2	65	0.6	13	31	140	11000	1080	9	521	2.7	81.6	78.9	8	243	24	8.00
8139	26.5	44	<5	120	630	26	329	<2	58	0.7	12	35	29	13000	1260	7	588	3.4	93.1	85.1	8	270	30	7.74
8140	27.5	36	48	120	620	26	290	<2	<50	0.6	13	29	24	11000	1190	8	561	3.6	94.3	78.8	7	232	28	7.58
8141	28.5	38	35	110	640	26	299	<2	<50	0.7	12	33	13	11000	1220	11	571	3.1	94.3	79.1	8	232	28	7.69
8142	29.5	45	19	92	520	26	234	<2	66	0.7	11	25	93	9300	1040	9	500	2.7	91.2	70.1	7	200	26	9.06
8143	30.5	31	<11	91	530	26	244	<2	<50	0.7	11	27	13	11000	1120	6	522	3.0	91.9	73.7	7	221	25	9.05
8144	31.5	44	<11	90	640	27	259	<2	<50	0.8	12	27	13	10000	1270	7	596	3.4	91.1	80.3	7	249	27	8.62
8145	33.6	159	100	150	700	26	373	<2	83	1.2	11	31	48	14000	1240	11	582	3.9	94.1	76.9	7	235	30	6.22
8146	35.8	129	53	170	650	25	310	<2	110	1.0	11	32	24	12000	1190	6	571	3.6	86.3	75.7	8	258	29	8.50
8147	38.0	568	130	340	560	26	266	<2	62	2.7	11	27	20	12000	1170	5	570	3.5	91.4	76.6	7	238	27	8.48
8148	39.5	3130	490	220	580	27	207	<4	140	10.0	9	19	10	8500	660	7	310	2.8	78.3	47.0	4	130	29	6.12
8149	42.0	1040	240	390	480	30	140	<2	120	10.0	8	12	16	6200	420	4	210	2.2	54.0	31.0	3	79	17	12.27
8150	43.0	1160	300	220	300	22	94	<2	120	10.0	6	10	42	4100	310	6	140	1.3	59.9	24.0	2	52	11	13.63
8151	44.5	1740	594	250	630	27	211	<2	68	16.0	10	18	24	8400	620	4	270	3.1	62.3	42.0	4	115	26	10.54
Hole S:																								
8152	2.0	16	<5	42	580	25	273	<2	<50	0.4	12	23	38	11000	1030	<2	470	3.0	89.5	69.4	7	178	24	8.33
8153	3.0	7	270	45	700	26	312	<2	<50	0.4	13	27	12	12000	1150	7	545	3.0	94.7	76.5	7	220	29	5.50
8154	4.0	9	<11	58	650	25	286	<2	<50	0.6	13	24	15	10000	1120	7	530	2.9	94.2	72.8	8	210	26	4.98
8155	5.0	35	843	100	560	27	280	<2	<50	1.0	10	27	15	10000	1040	10	490	2.5	82.9	65.7	7	195	25	6.34

	Heavy Min	Depth m	As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
8156	6.0	37	<11	88	580	26	250	<2	<50	0.9	11	21	12	11000	900	6	430	2.8	77.3	61.2	6	167	23	7.88	
8157	7.0	46	14	110	500	26	241	<2	<50	0.9	12	24	31	9300	850	<2	450	1.7	66.2	67.6	6	210	18	8.53	
8158	8.0	39	<11	130	500	28	262	<2	98	0.9	10	24	20	10000	1060	6	529	2.2	72.7	68.8	7	224	22	7.42	
8159	9.0	37	<11	110	510	29	269	<2	75	0.9	10	22	12	10000	980	10	490	2.1	80.0	68.1	5	200	21	7.73	
Hole T:																									
8160	58.1	27	91	160	190	17	14	2	110	1.1	3	1	110	<500	65	<2	30	0.5	80.3	8.5	1	10	5	24.83	
Esker samples																									
900	2.0	16	<5	44	560	23	250	<2	<50	0.5	13	23	31	8900	850	8	380	3.9	96.8	62.1	7	128	33	6.63	
901	2.0	13	<5	49	580	29	180	<2	<50	0.5	17	21	31	7300	940	9	430	3.3	94.6	64.6	8	186	30	8.09	
902	2.0	11	110	41	550	32	100	<2	<50	0.4	14	19	27	4700	990	7	470	2.8	89.8	66.2	7	191	26	5.97	
903*	2.0	19	<5	53	620	36	200	<2	<50	0.7	13	24	37	7700	1160	6	557	3.1	84.0	74.6	8	271	27	9.15	
904	2.0	29	12	63	650	35	130	<2	<50	1.8	12	20	22	5400	820	5	380	3.6	81.1	61.4	8	165	30	7.67	
905	2.0	8	<5	63	510	27	91	<2	<50	0.3	11	14	22	3900	660	3	325	2.4	84.3	49.0	5	141	19	44.32	
906	2.0	3	8	170	170	25	65	<2	300	<0.2	5	6	3	2100	170	<2	78	1.0	54.0	17.0	2	26	9	12.78	
907	2.0	9	552	40	570	24	140	<2	<50	0.4	14	17	7	5000	780	9	350	2.6	91.7	58.3	7	121	23	6.65	
908	2.0	10	130	49	960	31	130	<2	<50	0.5	14	18	120	4700	710	6	320	2.7	85.3	51.7	6	151	24	8.19	
909	2.0	13	<5	81	260	20	210	<2	<50	0.5	12	29	<4	8600	810	15	300	2.9	92.7	74.2	9	124	30	2.25	
910*	2.0	21	38	39	690	27	394	<2	<50	0.4	15	30	19	16000	1140	6	574	4.0	87.2	74.1	8	243	31	24.37	
911	2.0	10	<5	43	540	30	131	<2	<50	0.4	12	19	8	5400	870	7	417	3.1	88.4	64.8	6	186	24	21.35	
912	2.0	14	<5	66	510	33	190	<2	<50	0.6	19	28	7	7400	1070	9	526	2.5	85.7	79.7	8	292	25	4.83	
913	2.0	5	18	42	570	26	110	<2	<50	0.3	20	30	8	5000	1420	<2	759	4.6	90.5	104.0	11	432	36	17.64	
914	2.0	5	<5	36	670	29	210	<2	<50	0.5	12	27	<5	8200	1200	10	539	3.4	96.5	82.6	9	248	29	4.01	
915	2.0	7	120	44	670	31	243	<2	<50	0.3	11	26	14	9600	1220	4	594	2.4	83.3	78.1	7	270	22	6.12	
916	2.0	7	<5	41	600	31	130	<2	<50	0.4	10	19	<5	5400	910	7	430	2.0	87.5	58.2	6	217	20	2.92	
917	2.0	8	<5	47	630	34	130	<2	<50	0.3	12	18	<2	5100	900	4	460	2.2	77.3	58.7	6	231	21	9.52	
918	2.0	8	<5	32	570	30	231	<2	<50	0.5	13	24	15	8700	1040	6	510	2.0	79.7	75.7	7	248	22	6.00	
919	2.0	19	27	71	460	28	300	<4	63	0.8	10	34	<9	9700	1400	<4	630	1.6	102.0	96.0	8	264	25	0.65	
920	2.0	3	<10	35	580	25	241	<2	<50	0.4	10	27	<6	9300	1320	8	601	2.1	97.4	85.5	8	273	25	2.22	
921	2.0	18	13	58	620	32	150	<2	<50	0.5	11	17	6	6000	900	5	430	2.0	76.8	58.9	6	193	23	5.22	
922	2.0	9	<5	41	640	32	150	<2	<50	0.2	13	18	13	6800	900	4	460	2.8	82.7	60.4	7	198	23	16.51	
923	2.0	8	<5	50	690	39	160	<2	<50	0.3	12	19	<4	6700	1050	4	567	2.9	70.3	62.9	6	296	22	21.54	
924	2.0	7	28	35	580	28	160	<2	<50	0.4	11	17	7	6100	890	6	410	2.5	87.9	60.9	6	172	23	9.12	
925	2.0	20	<5	51	740	41	95	<2	<50	0.5	8	20	45	4200	880	7	430	1.9	76.8	56.8	6	260	19	2.05	
926	2.0	7	<5	51	680	33	225	<2	<50	0.4	14	24	8	7700	1100	6	523	2.4	86.0	69.3	7	245	26	5.56	
927	2.0	11	<5	48	650	39	73	<2	<50	0.5	13	18	15	2900	880	5	430	2.5	77.7	57.4	5	226	20	7.81	
928	2.0	8	<5	42	650	32	100	<2	<50	0.4	11	15	25	3600	820	4	400	2.5	82.4	56.0	6	170	21	9.26	
929	2.0	11	20	66	660	28	259	<2	<50	0.6	11	22	11	9700	970	8	475	3.0	87.8	66.4	6	189	25	23.11	
930	2.0	49	58	92	570	31	140	<2	58	1.3	12	17	18	4600	930	5	430	2.7	92.7	61.2	6	149	23	4.01	
931	2.0	15	<5	40	440	32	110	<2	66	0.5	13	15	<5	3400	900	6	400	2.3	85.1	60.0	6	151	22	3.95	
932	2.0	17	15	52	380	28	170	<2	<50	4.1	14	24	17	6500	1020	15	410	2.8	94.8	77.4	9	169	28	2.70	
933	2.0	18	17	84	560	33	90	<2	<50	0.7	12	18	26	2700	930	8	430	2.2	78.5	66.9	7	182	23	3.19	
934	2.0	9	<5	40	440	23	88	<2	<50	0.5	21	20	30	3200	930	11	340	2.3	76.0	86.6	8	109	22	5.88	
935	2.0	11	12	44	370	23	140	<2	81	0.5	14	22	7	6100	840	11	350	2.7	88.2	71.4	8	116	28	3.21	

Analysis of sand interbeds from till-dominated sonic drillholes.
 Geochemical analysis of nonmagnetic -10 mesh >3.3G (methylene iodide) heavy mineral concentrate; 7/8 split.
 Direct irradiation/INAA.

Heavy Min		As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight	
Depth	Hole	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	
m																									
1303	3.2	A	4	130	35	490	25	170	<2	<50	0.3	12	20	22	6700	880	7	450	2.3	87.6	60.4	7	154	25	10.24
1304	2.5	C	4	43	35	530	30	259	<4	<50	0.3	13	24	18	9500	970	<2	538	3.0	80.1	62.6	7	184	29	12.62
1305	5.5	C	4	24	33	580	30	239	<2	<50	0.4	12	22	25	9300	820	7	470	3.2	87.2	58.2	7	179	27	9.70
1306	38.2	D	89	41	180	550	28	299	<5	<50	1.5	10	29	26	12000	720	<2	420	3.1	76.4	54.3	5	171	22	14.80
1309	3.4	E	18	<11	43	570	31	190	<5	<50	0.4	12	22	46	8300	1080	<2	610	2.5	81.2	70.9	8	283	28	9.70
1310	4.2	E	5	25	48	750	27	375	<4	<50	0.6	12	29	19	15000	1170	9	612	3.6	94.3	76.4	8	243	32	21.75
1311	40.9	E	80	52	62	610	22	464	<6	<50	1.8	15	37	18	19000	900	<2	530	4.7	74.6	72.1	8	196	32	23.10
1312	42.3	E	125	130	100	800	21	415	<6	<50	2.8	17	39	528	19000	770	<2	513	3.9	74.9	73.1	9	214	29	15.02
1313	38.8	I	273	97	97	670	22	356	<3	<50	3.4	14	27	15	15000	760	7	391	3.7	88.7	60.7	6	137	29	30.45
1314	25.7	L	38	<11	100	570	26	270	<5	<50	0.6	12	30	11	11000	840	<2	510	3.2	83.0	66.8	8	203	27	12.78
1315	21.6	M	71	<12	150	390	33	88	<4	85	1.4	14	21	29	3700	810	4	420	1.9	69.5	55.2	6	218	22	6.04
1316	24.7	M	88	13	110	420	24	268	<4	<50	0.8	11	28	<7	12000	820	<2	470	3.6	81.5	60.7	6	175	26	14.73
8161	31.0	O	94	17	160	460	27	160	<2	<50	1.3	9	18	11	6400	780	<2	390	2.5	79.7	52.7	6	169	20	18.04
8162	38.5	O	1265	2448	170	380	29	104	16	50	6.7	14	13	463	4000	490	4	240	2.3	66.3	34.6	4	103	19	36.39
8163	39.5	O	839	300	94	570	25	130	<2	<50	5.9	9	13	13	5500	560	3	300	2.8	76.2	42.0	4	118	21	18.99
8164	42.6	O	702	330	130	510	23	160	<4	110	11.0	8	15	19	6000	630	8	280	2.4	78.6	47.0	5	109	20	9.66
8165	30.2	Q	69	42	82	520	23	221	<2	<50	0.9	10	20	17	8400	780	8	370	2.8	84.4	58.1	6	129	19	29.25
8166	31.7	Q	34	55	77	450	22	97	<2	58	1.6	11	14	6	3800	680	10	290	1.7	85.4	48.0	4	97	17	6.67
8167	33.3	R	141	58	170	530	24	170	<2	<50	1.0	14	36	576	7000	860	8	410	2.3	83.9	58.7	7	175	22	5.91
8168	40.7	R	892	180	170	580	26	289	<2	72	7.3	12	23	16	12000	730	4	340	4.1	74.0	51.1	6	127	23	20.52
8169	46.1	R	169	68	85	870	24	468	<4	<50	1.6	14	34	11	19000	1330	8	666	4.7	88.3	88.4	9	258	36	15.95
8170	47.3	R	127	32	70	830	24	418	<4	58	1.1	15	30	8	16000	1220	7	613	4.5	87.1	80.8	9	242	32	19.75
8171	48.5	R	186	42	97	760	25	332	<2	<50	1.5	14	25	13	14000	1090	7	544	4.1	86.9	72.3	7	212	29	22.65
8172	49.7	R	383	109	93	780	25	285	<2	61	2.6	13	22	13	11000	890	9	466	3.2	87.2	65.3	7	190	27	32.35

Analysis of a glaciolacustrine sand sequence (Hole T).

Geochemical analysis of nonmagnetic -10 mesh >3.3G (methylene iodide) heavy mineral concentrate; 7/8 split.
Direct irradiation/INAA.

Heavy Min			As	Au	Co	Cr	Fe	Hf	Mo	Ni	Sb	Ta	U	W	Zr	Ce	Eu	La	Lu	Sc	Sm	Tb	Th	Yb	Weight
Depth m			ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
8173	1.0	Sand	4	53	31	660	21	517	<2	<50	0.5	13	37	12	22000	1070	5	517	4.0	77.8	82.2	9	189	30	29.73
8174	3.0	Sand	6	<14	34	770	24	727	<5	<50	0.7	15	49	13	31000	1400	8	752	6.7	81.8	95.0	10	258	40	19.68
8175	4.7	Sand	4	37	38	820	27	646	<4	<50	0.6	15	42	40	27000	1270	5	656	5.4	91.0	86.7	9	229	36	14.67
8176	6.6	Sand	7	56	29	900	30	634	<4	<50	0.5	17	43	17	26000	1410	10	704	5.4	90.3	89.5	9	271	39	10.18
8177	9.0	Sand	5	41	38	720	27	430	<2	<50	0.6	14	31	14	18000	1190	6	600	4.3	91.5	77.5	8	219	31	17.58
8178	11.0	Sand	11	<11	21	910	25	697	<4	<50	1.0	16	44	15	26000	1500	9	662	5.0	95.1	90.9	8	238	39	2.17
8179	13.0	Sand	5	45	38	810	22	656	<2	<50	0.7	14	42	<7	25000	1340	9	647	5.3	92.3	90.7	9	217	40	7.82
8180	15.0	Sand	6	40	33	760	20	695	<2	<50	0.9	12	47	12	26000	1320	10	604	5.5	85.8	89.7	9	208	40	5.01
8181	17.0	Sand	4	64	26	780	20	634	<2	<50	0.7	12	41	8	25000	1250	8	572	4.9	94.3	84.4	8	188	38	4.87
8182	19.0	Sand	9	40	36	890	25	698	<4	<50	0.8	14	45	13	27000	1510	12	717	5.7	96.8	93.8	9	262	42	7.45
8183	21.0	Sand	24	58	76	710	23	631	<2	<50	1.0	13	42	11	24000	1330	12	627	5.1	83.8	84.7	9	226	34	10.29
8184	23.0	Sand	42	54	96	810	27	696	<4	<50	1.2	14	46	13	27000	1400	9	689	5.6	87.1	88.9	8	251	42	9.54
8185	25.0	Sand	47	130	99	820	26	738	<4	<50	1.9	14	48	13	29000	1410	5	706	4.6	86.3	89.5	8	263	39	6.16
8186	27.0	Sand	40	180	100	900	27	746	<4	<50	1.3	15	46	10	29000	1460	10	696	5.4	84.9	88.7	10	263	40	5.60
8187	29.0	Sand	43	160	88	780	25	746	<4	<50	1.8	14	46	15	28000	1340	9	656	5.0	88.2	88.7	10	241	36	4.73
8188	31.0	Sand	65	160	120	990	27	802	<5	<50	1.8	15	52	18	33000	1690	9	777	4.5	80.0	96.6	9	308	42	2.32
8189	33.0	Sand	51	110	100	740	28	684	<4	<50	1.5	13	45	<8	26000	1410	7	689	4.3	78.2	88.0	8	288	35	7.79
8190	35.0	Sand	48	<14	100	640	23	570	<4	<50	1.3	14	44	17	22000	1230	9	581	2.3	72.5	90.4	10	261	28	3.67
8191	37.0	Sand	59	230	120	850	28	764	<5	<50	1.6	14	52	<8	29000	1550	13	770	4.5	80.1	98.9	9	320	38	5.64
8192	39.0	Sand	53	120	100	800	27	805	<5	<50	1.4	13	51	13	31000	1570	7	738	4.6	81.0	94.9	8	306	42	4.22
8193	41.0	Sand	44	<15	95	600	20	614	<5	55	1.4	11	39	<9	21000	1110	6	555	3.4	65.1	73.2	8	212	31	1.41
8194	43.0	Sand	89	<25	120	860	34	880	<10	<100	2.8	23	72	<26	30000	2400	21	1200	5.1	110.0	160.0	13	443	50	0.27
8195	45.4	Sand	46	51	96	750	26	675	<4	<50	1.7	15	44	10	26000	1210	7	612	5.1	82.0	83.9	8	228	35	13.05
8196	51.0	Sand	88	53	140	720	26	582	<4	66	3.4	15	42	12	24000	1300	10	621	4.1	86.2	88.1	9	236	34	5.49
8197	53.0	Sand	71	84	140	650	26	577	<2	75	3.2	13	41	16	22000	1220	9	602	4.6	84.8	83.3	8	221	32	10.67
8198	54.7	Sand	81	270	150	540	25	368	<2	67	3.2	12	27	<7	13000	980	7	470	3.3	85.4	68.4	7	167	25	3.84
8199	56.0	Sand	119	46	180	570	26	308	<2	99	4.5	11	25	9	12000	820	9	420	3.3	81.3	60.9	6	156	22	16.56
8200	56.9	Sand	108	191	186	580	28	331	<2	130	4.1	12	23	12	12000	830	9	422	3.2	83.9	58.5	6	154	27	27.13
8201	57.6	Sand	133	70	200	400	24	94	<2	110	5.8	8	11	10	3700	440	3	210	1.9	77.9	37.0	4	69	13	19.34
8160	58.1	Till	27	91	160	190	17	14	2	110	1.1	3	1	110	<500	65	<2	30	0.5	80.3	8.5	1	10	5	24.83

Appendix 11

**Geochemical Analysis
of the <0.063mm Fraction**

Geochemical analysis of <63um fraction of till samples.

Trace elements: nitric/aqua regia partial leach, ICP; precious metals: fire assay/AFS.

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
Detection	2	2	5	0.01	0.2	5	10	2	0.01	0.5	1	1	1	0.01	0.01	10	0.01	1	0.01	1	10	2	5	1	0.01	1	5	2
Limit:	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm

C horizon surface till samples; sampling depth ~0.8 m.

Number:	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
Minimum:	<2	<2	<5	0.24	<0.2	<5	10	<2	0.15	<0.5	1	10	1	0.56	0.02	<10	0.13	50	0.01	1	70	<2	<5	9	0.04	10	<5	8
Mean:	5	2	4	0.81	0.1	5	31	1	5.51	<0.5	8	29	21	1.32	0.08	10	1.98	215	0.01	14	475	5	<5	39	0.09	25	<5	23
Maximum:	160	16	20	3.19	0.6	85	240	4	12.07	5.0	35	139	252	4.71	0.68	60	3.65	1264	0.21	76	1210	56	15	80	0.22	92	10	1031
Location Map A:																												
42 <63um	<2	<2	<5	0.41	<0.2	<5	20	2	7.14	<0.5	6	14	10	0.85	0.05	<10	2.62	149	0.01	6	480	<2	<5	44	0.07	17	<5	12
43 <63um	<2	<2	<5	0.52	<0.2	<5	20	2	7.20	<0.5	6	17	20	0.87	0.05	<10	2.62	183	0.01	6	520	4	<5	46	0.07	17	<5	12
44 <63um	<2	<2	<5	0.59	0.2	<5	30	2	9.39	<0.5	7	17	10	0.90	0.09	<10	2.79	205	0.01	6	430	2	<5	60	0.08	17	<5	16
94 <63um	4	4	5	1.58	0.2	<5	30	<2	0.57	<0.5	15	41	86	2.41	0.07	30	0.82	373	0.03	35	540	<2	<5	30	0.14	42	<5	40
95 <63um	14	4	10	1.39	<0.2	10	30	2	0.59	<0.5	13	25	84	2.12	0.05	10	0.54	307	0.06	30	580	<2	<5	23	0.12	41	<5	31
96 <63um	16	2	10	0.44	<0.2	5	10	2	4.63	<0.5	8	18	47	1.09	0.03	<10	1.62	134	0.01	7	530	<2	5	31	0.07	20	<5	28
97 <63um	<2	2	<5	0.32	<0.2	5	10	<2	6.24	<0.5	7	19	10	0.79	0.03	<10	2.17	115	0.01	6	470	<2	5	37	0.06	16	<5	10
98 <63um	30	<2	5	0.75	<0.2	10	10	<2	5.60	<0.5	11	23	31	1.53	0.05	<10	1.72	240	0.01	11	530	10	5	42	0.10	24	<5	24
634 <63um	10	<2	10	1.33	0.2	10	30	<2	0.43	<0.5	9	38	46	1.96	0.05	20	0.61	275	0.02	22	590	<2	<5	20	0.12	34	<5	25
636 <63um	34	<2	10	1.44	0.2	15	20	<2	0.24	<0.5	8	33	10	1.74	0.04	10	0.42	156	0.01	17	390	6	<5	13	0.10	28	<5	20
645 <63um	6	<2	5	1.21	0.2	10	30	<2	0.46	<0.5	10	31	85	2.01	0.07	20	0.51	291	0.02	18	550	8	<5	20	0.12	37	<5	27
646 <63um	4	<2	<5	0.93	<0.2	<5	20	<2	0.23	<0.5	7	23	14	1.37	0.04	10	0.28	124	0.01	11	390	2	<5	12	0.10	26	<5	15
647 <63um	2	<2	<5	0.93	0.2	<5	20	2	1.17	0.5	10	26	50	1.75	0.05	30	0.80	239	0.02	15	530	4	<5	19	0.10	32	<5	21
648 <63um	12	<2	<5	1.04	<0.2	5	20	2	0.35	<0.5	9	24	78	1.70	0.05	20	0.43	224	0.02	18	530	4	<5	16	0.10	30	<5	19
649 <63um	14	<2	<5	1.69	<0.2	5	40	<2	0.38	<0.5	15	27	39	2.02	0.06	10	0.46	312	0.03	24	550	10	<5	17	0.12	38	<5	24
653 <63um	6	<2	<5	1.59	0.2	<5	40	2	0.42	0.5	20	42	75	2.64	0.07	30	0.75	440	0.02	34	450	6	<5	19	0.15	44	<5	41
654 <63um	4	<2	<5	1.77	<0.2	<5	40	4	0.40	0.5	8	37	35	2.22	0.09	20	0.68	368	0.01	25	460	12	<5	24	0.14	34	<5	79
655 <63um	<2	<2	<5	1.15	<0.2	<5	30	<2	0.31	<0.5	8	26	10	1.52	0.06	20	0.32	229	0.01	13	490	<2	<5	17	0.11	27	<5	17
656 <63um	2	<2	<5	0.73	0.4	<5	20	<2	1.32	<0.5	8	24	23	1.46	0.07	50	0.71	259	0.02	12	620	6	<5	23	0.10	26	<5	21
657 <63um	2	<2	5	1.14	0.2	<5	30	2	0.36	<0.5	8	30	19	1.61	0.05	20	0.35	201	0.01	17	510	6	<5	18	0.12	30	<5	19
658 <63um	<2	<2	<5	0.57	0.2	<5	20	<2	7.91	<0.5	8	19	23	1.05	0.06	<10	2.75	172	0.02	9	520	6	<5	51	0.09	21	<5	20
659 <63um	2	<2	<5	0.76	0.2	<5	40	2	8.55	<0.5	7	19	15	1.07	0.08	<10	2.90	203	0.02	10	480	8	<5	55	0.08	20	<5	15
660 <63um	2	<2	<5	0.60	<0.2	<5	20	<2	7.79	<0.5	8	19	15	1.05	0.06	<10	2.72	179	0.02	7	500	8	<5	48	0.08	19	<5	16
661 <63um	<2	<2	<5	0.73	<0.2	<5	40	2	9.82	0.5	8	20	18	1.07	0.11	<10	2.74	234	0.02	8	470	10	<5	62	0.08	20	<5	18
662 <63um	2	<2	<5	0.64	0.2	5	20	2	4.56	<0.5	7	19	15	1.15	0.07	<10	2.07	183	0.02	8	540	8	<5	33	0.08	22	<5	19
663 <63um	4	<2	<5	1.29	0.2	<5	50	2	0.40	0.5	8	29	11	1.63	0.09	20	0.34	223	0.02	15	620	8	<5	18	0.11	30	<5	19
664 <63um	6	<2	<5	0.71	<0.2	5	30	2	8.96	<0.5	9	21	20	1.09	0.10	<10	2.73	210	0.02	9	490	4	<5	56	0.08	21	<5	17
665 <63um	4	<2	<5	0.52	<0.2	<5	20	<2	6.80	0.5	7	19	17	0.95	0.05	<10	2.56	169	0.02	8	520	8	<5	41	0.07	19	<5	13
666 <63um	2	<2	5	0.40	<0.2	<5	10	<2	7.30	<0.5	6	15	8	0.82	0.05	<10	2.52	132	0.02	5	490	6	<5	43	0.06	16	<5	12
667 <63um	4	<2	<5	0.64	<0.2	<5	30	<2	4.93	<0.5	8	23	15	1.16	0.06	<10	2.47	179	0.02	10	560	6	<5	31	0.08	23	<5	16
668 <63um	2	<2	<5	0.76	<0.2	<5	30	<2	9.03	0.5	9	24	15	1.18	0.12	<10	2.45	249	0.02	12	470	6	<5	57	0.08	22	<5	21
669 <63um	2	<2	5	0.41	<0.2	<5	20	<2	8.27	<0.5	7	15	11	0.84	0.04	<10	2.75	155	0.02	6	470	10	5	48	0.07	16	<5	11
670 <63um	4	<2	<5	0.45	<0.2	<5	10	<2	6.43	0.5	8	20	11	0.97	0.05	<10	2.36	181	0.02	9	500	2	<5	40	0.07	20	<5	15
671 <63um	2	<2	<5	0.72	0.2	<5	30	2	4.95	0.5	7	25	9	1.01	0.05	<10	2.13	153	0.02	13	560	8	<5	41	0.09	21	<5	14
672 <63um	4	<2	<5	0.53	<0.2	<5	20	2	8.77	<0.5	9	19	17	1.05	0.07	<10	2.70	194	0.02	8	480	10	<5	54	0.08	20	<5	17
673 <63um	2	<2	<5	0.49	<0.2	<5	10	<2	5.68	<0.5	7	18	8	1.00	0.04	<10	2.39	165	0.02	9	510	4	<5	36	0.08	19	<5	16
674 <63um	4	<2	<5	0.42	<0.2	<5	20	2	3.05	<0.5	7	17	31	0.93	0.04	<10	1.46	184	0.02	9	560	2	<5	24	0.08	18	<5	10
675 <63um	<2	<2	<5	0.39	<0.2	<5	10	<2	6.05	<0.5	7	14	48	0.79	0.04	<10	2.57	178	0.02	5	490	8	<5	36	0.07	16	<5	9
676 <63um	2	<2	<5	0.92	<0.2	<5	30	<2	0.43	0.5	6	22	11	1.35	0.05	20	0.32	184	0.01	10	600	4	<5	16	0.09	24	<5	16
677 <63um	6	<2	<5	0.72	<0.2	<5	20	2	3.22	0.5	10	29	20	1.50	0.06	10	1.79	266	0.01	13	630	2	<5	27	0.09	27	<5	20
678 <63um	4	<2	<5	0.37	<0.2	<5	10	2	5.71	<0.5	7	15	7	0.93	0.03	<10	2.40	137	0.01	7	550	6	<5	33	0.06	18	<5	10

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
679 <63um	2	<2	<5	0.54	<0.2	<5	20	2	0.36	<0.5	7	22	9	1.27	0.04	30	0.26	232	0.01	9	640	6	<5	14	0.07	24	<5	14
680 <63um	2	<2	<5	0.49	<0.2	<5	10	2	4.46	<0.5	7	16	8	0.88	0.03	<10	2.36	169	0.01	6	480	4	<5	25	0.06	16	<5	10
681 <63um	4	<2	<5	0.47	<0.2	<5	20	<2	8.52	0.5	7	16	12	0.86	0.05	<10	2.60	171	0.02	6	440	4	<5	49	0.07	16	<5	12
682 <63um	10	<2	<5	0.62	<0.2	<5	30	2	5.97	<0.5	7	19	15	1.09	0.06	<10	2.42	192	0.02	8	530	10	<5	38	0.08	20	<5	15
683 <63um	66	<2	<5	0.63	<0.2	<5	20	2	0.41	<0.5	7	24	19	1.35	0.04	20	0.31	231	0.01	11	670	6	<5	14	0.09	25	<5	17
684 <63um	10	<2	5	0.66	<0.2	<5	20	<2	2.56	<0.5	7	23	39	1.24	0.07	10	1.29	262	0.02	11	600	4	<5	23	0.09	23	<5	18
685 <63um	6	<2	10	0.66	0.2	<5	20	<2	7.58	<0.5	9	21	22	1.09	0.05	<10	2.37	274	0.02	11	490	8	<5	47	0.07	18	<5	20
686 <63um	6	<2	5	0.70	<0.2	<5	30	<2	7.88	<0.5	8	25	20	1.15	0.07	<10	2.61	252	0.02	11	500	10	<5	52	0.08	20	<5	20
687 <63um	4	<2	<5	0.50	<0.2	<5	20	2	6.22	<0.5	6	18	5	0.92	0.04	<10	3.18	200	0.02	7	560	6	<5	35	0.08	19	<5	11
688 <63um	6	<2	<5	0.42	<0.2	<5	20	<2	5.74	<0.5	8	17	14	0.97	0.04	<10	2.34	212	0.01	8	520	10	<5	35	0.07	19	<5	13
689 <63um	4	<2	<5	0.57	<0.2	<5	20	2	7.42	<0.5	6	17	10	0.95	0.08	<10	2.22	187	0.02	7	490	4	<5	46	0.07	17	<5	15
690 <63um	4	<2	<5	0.65	<0.2	<5	40	2	8.56	0.5	7	18	17	0.98	0.08	<10	2.57	196	0.02	7	460	2	<5	51	0.07	18	<5	14
691 <63um	4	<2	<5	0.54	<0.2	<5	20	<2	9.04	0.5	6	16	10	0.84	0.06	<10	2.84	174	0.02	6	450	6	<5	54	0.07	16	<5	11
692 <63um	12	<2	10	0.60	<0.2	<5	30	2	6.02	<0.5	9	23	16	1.28	0.08	<10	2.31	203	0.02	13	550	8	<5	38	0.09	26	<5	19
693 <63um	2	<2	<5	0.44	<0.2	<5	10	<2	6.44	0.5	8	15	15	0.96	0.03	<10	2.54	263	0.02	7	510	4	<5	38	0.07	18	<5	12
694 <63um	8	<2	<5	0.50	<0.2	<5	20	2	7.56	<0.5	7	17	25	0.88	0.05	<10	2.60	179	0.02	6	510	6	<5	45	0.07	17	<5	15
695 <63um	18	<2	5	0.54	0.2	<5	20	<2	6.85	5.0	7	22	201	1.02	0.06	<10	2.45	212	0.02	14	540	10	<5	41	0.07	19	<5	1031
697 <63um	6	<2	<5	0.43	<0.2	<5	20	<2	6.40	<0.5	7	16	19	0.89	0.05	<10	2.49	149	0.02	6	470	2	<5	37	0.07	17	<5	14
8041 <63um	24	2	5	1.34	0.2	20	20	<2	0.40	<0.5	10	36	38	2.21	0.05	20	0.69	342	0.01	28	590	<2	<5	22	0.12	32	<5	43
8042 <63um	8	2	5	2.08	0.2	<5	30	<2	0.44	<0.5	13	35	39	2.40	0.07	20	0.55	290	0.02	32	610	4	<5	20	0.14	46	<5	32
8043 <63um	10	2	5	1.40	0.2	5	30	<2	0.38	<0.5	13	41	50	2.51	0.06	20	0.62	362	0.01	29	540	4	<5	17	0.14	45	<5	39
8044 <63um	50	2	5	0.77	<0.2	<5	20	<2	6.14	<0.5	7	23	29	1.66	0.05	<10	1.99	235	0.01	13	560	8	<5	46	0.11	29	<5	26
8049 <63um	2	2	5	0.60	<0.2	<5	20	<2	6.69	<0.5	5	30	16	1.13	0.04	<10	2.82	167	0.01	12	540	<2	<5	39	0.08	22	<5	24
Location Map B:																												
47 <63um	<2	<2	<5	0.67	<0.2	<5	40	2	9.07	<0.5	7	22	14	1.00	0.11	<10	2.83	175	0.02	8	430	6	<5	59	0.07	19	<5	17
48 <63um	<2	<2	<5	0.44	0.2	<5	30	<2	7.82	<0.5	6	17	11	0.79	0.07	<10	2.58	137	0.01	9	450	<2	<5	50	0.07	17	<5	12
49 <63um	<2	<2	<5	0.68	<0.2	<5	30	2	8.60	<0.5	7	22	12	1.04	0.10	<10	2.48	197	0.02	9	450	6	<5	57	0.08	20	<5	18
61 <63um	2	<2	<5	1.20	0.2	<5	70	2	6.70	<0.5	12	51	26	1.76	0.18	<10	2.12	299	0.02	22	530	10	<5	51	0.11	35	<5	30
62 <63um	72	<2	<5	0.75	0.2	<5	30	<2	5.36	<0.5	7	21	27	1.43	0.07	<10	2.20	333	0.02	13	510	4	<5	41	0.09	23	<5	22
63 <63um	4	<2	10	0.66	0.2	<5	20	2	8.50	<0.5	8	23	19	1.19	0.07	<10	2.41	227	0.01	11	480	2	5	59	0.07	20	<5	19
64 <63um	2	<2	5	0.63	0.2	<5	20	2	7.76	<0.5	8	20	17	1.08	0.07	<10	2.66	242	0.01	10	450	8	<5	50	0.07	20	<5	21
600 <63um	<2	<2	<5	1.03	<0.2	<5	70	<2	1.31	<0.5	10	54	28	1.78	0.18	40	1.01	249	0.01	32	630	<2	<5	14	0.10	37	<5	26
601 <63um	<2	<2	5	0.62	<0.2	<5	40	<2	5.29	<0.5	7	27	12	1.03	0.09	<10	2.55	180	0.01	13	480	2	<5	30	0.07	22	<5	14
602 <63um	<2	<2	<5	0.47	<0.2	<5	20	<2	6.45	<0.5	7	18	12	0.91	0.07	<10	2.67	150	0.01	9	480	2	<5	38	0.07	19	<5	13
603 <63um	<2	<2	<5	0.64	<0.2	<5	60	<2	5.42	<0.5	8	30	15	1.09	0.11	<10	2.32	173	0.01	13	510	6	<5	33	0.08	25	<5	19
604 <63um	<2	<2	<5	1.05	<0.2	10	40	<2	0.37	0.5	5	25	6	1.41	0.05	10	0.33	152	0.01	12	130	10	<5	18	0.11	27	<5	17
605 <63um	<2	<2	<5	0.93	0.2	5	30	<2	0.25	0.5	9	29	24	1.37	0.04	20	0.25	153	0.01	19	350	6	<5	13	0.10	25	<5	14
606 <63um	6	<2	10	1.42	<0.2	5	30	<2	0.33	0.5	10	34	12	2.03	0.05	10	0.36	198	0.01	16	400	8	<5	12	0.11	34	<5	23
607 <63um	42	<2	10	1.10	<0.2	10	20	<2	0.34	0.5	11	26	80	2.06	0.05	30	0.46	483	0.01	13	630	12	<5	13	0.11	33	<5	167
608 <63um	88	<2	10	1.11	<0.2	10	20	<2	1.13	0.5	13	31	77	2.42	0.04	30	0.86	642	0.01	18	530	12	<5	19	0.08	29	<5	114
609 <63um	24	<2	<5	1.13	0.2	10	30	<2	0.44	<0.5	10	29	29	2.19	0.06	30	0.56	438	0.01	17	760	8	<5	22	0.12	33	<5	30
610 <63um	20	<2	<5	2.35	0.2	35	50	<2	0.32	0.5	24	64	70	3.71	0.08	30	0.72	566	0.01	37	620	14	<5	15	0.14	49	<5	52
611 <63um	6	<2	<5	1.36	<0.2	10	20	<2	0.15	<0.5	4	20	4	1.72	0.02	10	0.15	68	0.01	7	100	10	<5	13	0.12	44	<5	12
612 <63um	10	<2	5	1.46	0.2	15	50	<2	0.25	0.5	15	36	58	3.48	0.07	20	0.40	475	0.01	36	350	12	<5	17	0.11	37	<5	43
613 <63um	6	<2	5	0.49	<0.2	5	20	<2	8.56	<0.5	6	19	15	0.89	0.06	<10	2.57	170	0.02	7	430	2	5	57	0.07	16	<5	14
614 <63um	6	<2	5	0.70	<0.2	5	30	<2	5.83	<0.5	9	26	27	1.41	0.06	<10	2.32	235	0.02	14	480	6	5	38	0.06	20	<5	19
615 <63um	6	<2	<5	1.46	<0.2	5	50	<2	0.46	<0.5	11	36	29	2.18	0.11	30	0.51	395	0.02	18	610	10	<5	23	0.13	36	<5	26
616 <63um	4	<2	<5	0.81	<0.2	<5	40	<2	7.14	<0.5	6	25	10	1.07	0.04	<10	2.03	134	0.02	6	370	<2	<5	43	0.08	19	<5	13
617 <63um	16	<2	<5	1.09	<0.2	5	40	<2	0.33	<0.5	7	31	48	1.64	0.03	10	0.39	163	0.01	17	460	<2	<5	15	0.10	27	<5	18
618 <63um	6	<2	<5	0.89	<0.2	5	30	<2	3.71	<0.5	8	29	20	1.55	0.06	10	2.14	181	0.02	12	600	6	5	28	0.08	25	<5	19
619 <63um	4	<2	<5	1.08	0.2	5	20	<2	0.20	<0.5	5	20	8	1.22	0.03	10	0.23	82	0.01	10	100	10	<5	12	0.11	26	<5	

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
622 <63um	16	<2	<5	0.84	<0.2	10	30	<2	8.40	<0.5	9	29	29	1.44	0.09	<10	2.40	249	0.02	16	450	4	5	60	0.08	21	<5	23
623 <63um	4	<2	10	1.38	<0.2	10	40	<2	0.31	<0.5	10	33	29	1.93	0.07	20	0.39	274	0.01	19	510	6	<5	14	0.10	31	<5	22
624 <63um	8	<2	5	0.87	<0.2	5	30	<2	6.16	<0.5	8	27	29	1.35	0.09	<10	2.18	274	0.02	12	460	6	<5	41	0.07	22	<5	19
625 <63um	8	<2	10	1.03	<0.2	10	50	<2	8.89	<0.5	11	42	31	1.59	0.13	<10	2.42	328	0.02	20	480	<2	5	62	0.09	30	<5	25
626 <63um	8	<2	<5	1.78	<0.2	10	60	<2	0.35	<0.5	14	61	71	2.18	0.12	30	0.70	294	0.02	33	430	2	<5	19	0.14	40	<5	38
627 <63um	6	<2	5	1.39	<0.2	20	50	<2	7.15	<0.5	14	51	39	2.10	0.15	<10	2.33	401	0.02	24	480	<2	5	58	0.11	38	<5	34
628 <63um	8	2	<5	1.51	<0.2	20	70	<2	0.50	0.5	13	73	51	2.33	0.08	30	0.80	287	0.02	53	510	8	<5	22	0.14	45	<5	39
629 <63um	8	<2	<5	0.97	<0.2	10	20	<2	0.31	<0.5	7	34	6	1.58	0.06	10	0.32	166	0.01	15	630	8	<5	13	0.10	30	<5	20
630 <63um	10	<2	5	1.59	<0.2	10	30	<2	0.24	0.5	9	44	22	1.88	0.03	10	0.50	163	0.01	26	290	4	<5	16	0.12	32	<5	25
631 <63um	8	<2	<5	1.25	0.2	35	40	<2	0.36	0.5	8	30	32	1.93	0.07	20	0.37	302	0.02	16	470	6	<5	18	0.11	31	<5	24
632 <63um	6	<2	10	1.39	<0.2	5	40	<2	0.29	0.5	8	27	19	1.77	0.05	20	0.31	228	0.01	13	530	6	<5	13	0.10	29	<5	18
633 <63um	4	<2	5	0.70	<0.2	5	30	<2	7.70	<0.5	8	21	22	1.23	0.08	<10	2.34	268	0.02	10	490	2	<5	52	0.07	21	<5	20
635 <63um	110	<2	10	1.87	0.2	15	40	2	0.35	0.5	18	49	78	3.22	0.06	30	0.99	516	0.01	39	580	10	<5	18	0.09	32	<5	45
640 <63um	20	16	15	2.41	<0.2	10	40	<2	1.16	0.5	24	24	252	3.23	0.06	20	0.85	388	0.21	72	990	6	<5	46	0.15	82	<5	52
641 <63um	14	8	<5	2.33	<0.2	5	50	<2	1.10	0.5	19	26	202	3.07	0.09	20	0.86	363	0.19	54	800	<2	<5	46	0.16	82	<5	44
642 <63um	6	<2	<5	1.82	0.2	20	50	<2	0.41	<0.5	14	96	29	2.50	0.09	20	0.88	383	0.02	46	550	8	<5	24	0.14	38	<5	33
643 <63um	8	<2	<5	2.42	0.2	20	40	<2	0.37	0.5	23	69	96	2.52	0.05	10	0.82	262	0.02	45	550	6	<5	15	0.15	57	<5	57
644 <63um	6	<2	<5	1.71	<0.2	15	40	<2	0.40	0.5	13	44	39	2.32	0.08	20	0.58	362	0.02	26	510	8	<5	22	0.14	45	<5	27
650 <63um	2	<2	5	1.12	0.2	5	40	2	1.19	<0.5	9	57	26	1.63	0.06	20	0.96	205	0.01	26	580	8	<5	17	0.11	36	<5	34
651 <63um	<2	<2	10	0.76	0.2	<5	60	2	8.46	0.5	10	33	23	1.22	0.12	<10	2.57	233	0.02	19	500	6	<5	55	0.09	27	<5	20
652 <63um	<2	<2	10	1.12	0.2	<5	50	<2	0.35	0.5	9	40	13	1.60	0.10	20	0.41	235	0.02	22	580	8	<5	18	0.11	32	<5	18
698 <63um	4	<2	<5	0.56	<0.2	<5	40	<2	7.22	<0.5	9	29	19	1.05	0.08	<10	2.50	182	0.02	16	490	4	<5	44	0.07	22	<5	17
699 <63um	<2	<2	<5	0.59	<0.2	<5	50	<2	7.95	<0.5	7	25	16	0.95	0.08	<10	2.69	162	0.02	12	490	6	<5	47	0.07	19	<5	16
700 <63um	6	<2	<5	1.43	<0.2	<5	230	2	0.33	<0.5	21	90	64	2.77	0.57	30	0.99	311	0.01	60	830	12	<5	16	0.15	59	<5	86
701 <63um	6	<2	<5	0.61	0.2	<5	40	2	6.99	<0.5	7	27	13	1.06	0.09	<10	2.59	178	0.02	12	530	2	<5	42	0.08	23	<5	16
702 <63um	6	<2	<5	0.65	<0.2	<5	50	<2	5.79	<0.5	9	31	24	1.19	0.13	<10	2.16	186	0.02	21	570	6	5	38	0.08	25	<5	22
703 <63um	4	<2	<5	0.56	<0.2	<5	40	<2	4.59	0.5	9	26	15	1.14	0.10	<10	2.03	180	0.02	16	580	2	<5	29	0.08	25	<5	17
704 <63um	4	<2	<5	0.50	<0.2	5	40	<2	4.26	<0.5	6	22	14	1.00	0.10	<10	2.13	144	0.02	13	540	4	5	26	0.07	23	<5	15
705 <63um	2	<2	<5	1.01	<0.2	<5	60	2	5.32	<0.5	10	45	28	1.63	0.18	<10	2.11	241	0.02	23	580	6	<5	37	0.10	36	<5	28
706 <63um	2	<2	<5	0.68	<0.2	10	40	<2	0.35	<0.5	8	32	13	1.44	0.07	20	0.31	210	0.01	21	640	2	<5	14	0.09	30	<5	18
707 <63um	<2	<2	<5	0.56	<0.2	<5	30	<2	4.46	<0.5	9	26	17	1.14	0.08	<10	2.02	182	0.02	17	540	4	<5	30	0.08	25	<5	18
708 <63um	6	<2	5	0.71	<0.2	<5	80	<2	7.94	0.5	10	34	33	1.26	0.14	<10	2.29	210	0.03	24	500	<2	<5	52	0.09	27	<5	26
709 <63um	4	<2	<5	0.63	<0.2	5	30	<2	7.50	<0.5	9	29	20	1.17	0.08	<10	2.55	195	0.02	18	490	6	<5	47	0.08	25	<5	20
710 <63um	8	<2	10	0.71	<0.2	<5	50	<2	8.54	<0.5	11	31	23	1.23	0.10	<10	2.64	233	0.02	22	480	6	<5	53	0.09	26	<5	23
711 <63um	2	2	5	0.98	0.4	15	50	<2	3.82	<0.5	14	55	29	2.00	0.13	10	2.17	321	0.01	32	610	4	<5	27	0.10	39	<5	41
712 <63um	2	2	5	1.46	0.2	5	50	<2	0.33	<0.5	17	99	20	1.79	0.13	20	0.66	217	0.01	53	680	<2	<5	12	0.13	36	<5	31
8001 <63um	2	2	5	0.89	<0.2	<5	40	<2	7.77	<0.5	8	35	24	1.58	0.09	<10	2.49	264	0.02	20	490	<2	<5	53	0.09	29	<5	29
8002 <63um	6	2	5	1.23	<0.2	<5	50	<2	8.70	<0.5	10	43	25	1.96	0.15	<10	2.75	354	0.02	22	510	<2	5	61	0.11	36	<5	37
8003 <63um	2	2	5	1.17	0.2	40	60	<2	0.40	<0.5	26	63	41	2.52	0.17	30	0.67	292	0.01	76	780	<2	<5	16	0.13	53	<5	42
8004 <63um	2	2	5	1.62	<0.2	5	60	<2	0.27	<0.5	20	70	34	2.70	0.20	20	0.81	265	0.01	55	600	<2	<5	11	0.13	54	<5	41
8005 <63um	10	2	5	2.17	0.2	30	30	<2	0.28	<0.5	25	85	41	3.42	0.08	20	0.83	383	0.01	57	570	4	<5	14	0.14	56	<5	52
8006 <63um	4	2	5	1.87	0.2	10	50	<2	0.42	<0.5	16	78	54	3.16	0.08	30	1.01	437	0.03	50	620	2	<5	23	0.17	59	<5	52
8007 <63um	8	2	5	1.51	<0.2	<5	50	<2	1.41	<0.5	9	66	38	2.47	0.11	20	1.24	265	0.02	40	570	2	<5	26	0.14	47	<5	41
8008 <63um	2	2	5	1.79	0.2	10	30	<2	0.31	<0.5	13	57	27	2.33	0.04	20	0.69	202	0.01	34	420	12	<5	21	0.15	42	<5	35
8009 <63um	24	6	5	2.20	<0.2	85	30	<2	0.72	<0.5	35	65	162	4.56	0.09	40	1.12	879	0.02	62	440	6	<5	18	0.18	79	<5	70
8010 <63um	160	2	5	1.10	0.2	5	30	<2	0.40	<0.5	7	28	35	1.87	0.06	30	0.41	246	0.01	19	610	2	<5	26	0.11	33	<5	26
8011 <63um	10	2	5	1.80	<0.2	60	30	2	0.45	<0.5	16	54	61	3.44	0.03	20	0.85	435	0.01	33	390	12	<5	17	0.16	64	<5	47
8012 <63um	6	2	5	2.48	<0.2	40	40	<2	0.27	<0.5	23	73	84	4.08	0.03	20	1.00	626	0.01	42	170	8	<5	17	0.20	78	<5	53
8013 <63um	16	2	5	2.52	<0.2	50	40	<2	0.27	<0.5	22	69	70	4.60	0.04	20	1.07	770	0.01	48	370	8	<5	13	0.19	88	<5	57
8014 <63um	6	2	5	2.20	<0.2	10	40	<2	0.29	<0.5	17	50	35	3.23	0.03	10	0.61	340	0.01	29	130	2	<5	13	0.16	62	<5	40
8015 <63um	2	2	5	2.22	0.2	5	30	<2	0.33	<0.5	12	45	61	2.94	0.03	10	0.66	289	0.01	29	400	12	<5	13	0.17	57	<5	36

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
8018 <63um	10	2	5	2.50	<0.2	10	30	2	0.27	0.3	21	66	44	3.74	0.05	20	0.88	617	0.01	43	430	10	<5	13	0.15	71	<5	47
8019 <63um	22	2	5	2.39	<0.2	5	40	<2	0.29	<0.5	16	61	43	3.14	0.06	20	0.89	365	0.01	39	300	8	<5	17	0.18	59	<5	42
8020 <63um	8	2	5	2.66	<0.2	30	60	<2	0.51	<0.5	26	92	118	4.71	0.11	40	1.43	1017	0.01	61	600	4	<5	22	0.19	92	<5	70
8021 <63um	38	2	5	1.77	<0.2	20	30	2	0.31	<0.5	13	55	32	2.63	0.03	10	0.72	415	0.01	32	320	2	<5	13	0.14	55	<5	33
8036 <63um	28	2	5	1.45	0.2	15	50	<2	0.47	<0.5	13	39	119	3.19	0.04	20	0.57	407	0.01	31	430	6	<5	15	0.10	42	<5	37
8037 <63um	50	4	5	1.37	0.2	<5	60	<2	0.47	<0.5	23	50	132	3.89	0.07	20	0.83	1264	0.01	38	640	12	<5	19	0.09	46	<5	47
8038 <63um	32	6	5	1.36	0.2	<5	40	<2	0.49	<0.5	22	34	228	3.86	0.04	20	0.90	835	0.01	30	600	8	<5	16	0.11	67	<5	46
8039 <63um	8	2	5	0.73	<0.2	5	20	<2	4.12	<0.5	10	29	39	2.42	0.04	<10	1.63	505	0.01	21	680	6	<5	32	0.08	33	<5	32
8040 <63um	120	2	5	1.72	<0.2	25	30	<2	0.41	<0.5	12	46	78	3.58	0.04	30	0.90	537	0.01	38	630	6	<5	20	0.10	35	<5	48
8045 <63um	60	2	5	0.84	0.2	<5	10	<2	0.33	<0.5	4	22	22	1.60	0.03	20	0.30	224	0.01	9	490	8	<5	15	0.11	31	<5	77
8046 <63um	40	2	5	0.95	<0.2	<5	20	<2	0.35	<0.5	8	24	22	2.00	0.04	30	0.52	336	0.01	19	750	4	<5	15	0.09	30	<5	31
8047 <63um	2	2	5	1.59	<0.2	10	40	<2	0.29	<0.5	10	42	23	2.37	0.02	10	0.55	279	0.01	26	120	2	<5	12	0.11	44	<5	33
8048 <63um	4	2	5	1.42	<0.2	15	50	<2	0.20	<0.5	11	41	47	2.26	0.03	20	0.46	302	0.01	21	420	8	<5	9	0.11	40	<5	25
8050 <63um	2	2	5	1.66	<0.2	<5	240	<2	0.41	<0.5	22	109	77	3.30	0.68	40	1.18	347	0.02	71	960	16	<5	23	0.20	73	5	111
Location Map C:																												
33 <63um	<2	<2	<5	0.45	0.2	<5	10	2	8.57	<0.5	5	13	8	0.80	0.06	<10	2.59	143	0.01	6	420	<2	<5	54	0.07	16	<5	13
34 <63um	<2	<2	<5	0.47	<0.2	<5	10	2	7.40	<0.5	7	16	8	0.98	0.06	<10	2.43	177	0.01	6	500	2	<5	46	0.08	19	<5	16
35 <63um	4	<2	<5	0.38	0.2	<5	10	2	8.72	<0.5	6	14	8	0.78	0.05	<10	2.29	152	0.01	5	420	<2	<5	55	0.06	15	<5	15
36 <63um	<2	<2	<5	0.75	0.2	<5	30	2	8.76	<0.5	7	22	12	1.07	0.12	<10	2.43	222	0.01	11	420	10	<5	57	0.07	21	<5	21
38 <63um	<2	6	5	0.83	0.2	<5	30	<2	9.82	<0.5	7	22	12	1.13	0.13	<10	2.89	219	0.02	9	460	2	<5	64	0.08	21	<5	21
39 <63um	<2	2	5	0.39	0.2	<5	10	2	9.43	<0.5	5	13	7	0.75	0.05	<10	2.96	139	0.01	5	440	2	<5	58	0.07	15	<5	11
40 <63um	2	<2	<5	0.36	0.2	<5	10	2	6.34	<0.5	4	12	5	0.77	0.05	<10	2.21	128	0.01	6	460	2	<5	41	0.07	16	<5	11
41 <63um	<2	2	<5	0.34	<0.2	<5	10	<2	6.26	<0.5	5	12	9	0.84	0.04	<10	2.08	123	0.01	3	470	2	5	39	0.07	17	<5	12
402 <63um	6	<2	<5	1.24	<0.2	<5	40	2	0.37	<0.5	8	40	25	1.97	0.08	20	0.65	176	0.02	21	520	12	<5	13	0.13	36	<5	25
403 <63um	4	<2	<5	0.69	<0.2	<5	50	<2	8.24	<0.5	9	25	20	1.13	0.09	<10	2.68	183	0.02	12	500	8	<5	49	0.09	21	<5	18
414 <63um	<2	<2	<5	0.58	<0.2	<5	20	<2	9.56	0.5	7	18	12	0.92	0.09	<10	2.83	186	0.02	7	460	4	<5	57	0.07	18	<5	14
415 <63um	4	<2	<5	0.44	<0.2	<5	10	<2	4.92	0.5	7	19	20	1.07	0.05	<10	2.09	155	0.02	9	550	8	<5	30	0.07	20	<5	15
416 <63um	<2	<2	<5	0.38	<0.2	<5	10	<2	7.43	0.5	6	14	8	0.84	0.05	<10	2.53	138	0.02	5	510	<2	<5	44	0.07	17	<5	11
417 <63um	<2	<2	<5	0.52	0.2	<5	20	<2	6.70	0.5	6	16	25	0.94	0.05	<10	2.69	162	0.02	5	520	2	<5	39	0.08	18	<5	14
418 <63um	12	<2	15	1.66	<0.2	<5	40	<2	0.32	<0.5	9	34	15	1.87	0.07	20	0.44	131	0.02	21	430	2	<5	13	0.12	31	<5	18
420 <63um	<2	<2	<5	0.50	0.2	<5	20	2	8.68	<0.5	7	16	8	0.88	0.08	<10	2.74	168	0.02	6	480	6	<5	53	0.07	18	<5	12
421 <63um	<2	<2	<5	1.23	<0.2	<5	30	<2	0.31	0.5	8	34	14	1.57	0.05	20	0.28	183	0.01	16	550	6	<5	14	0.10	29	<5	13
422 <63um	2	<2	<5	1.59	0.2	<5	40	<2	0.35	0.5	9	30	27	1.80	0.09	20	0.39	263	0.02	22	510	4	<5	14	0.12	29	<5	24
423 <63um	6	<2	10	1.75	<0.2	<5	30	<2	0.27	0.5	9	26	15	1.78	0.04	10	0.25	113	0.01	14	450	10	<5	13	0.11	29	<5	14
424 <63um	2	<2	<5	0.44	<0.2	<5	20	<2	7.27	<0.5	6	14	6	0.78	0.06	<10	2.85	165	0.02	4	470	6	<5	42	0.07	15	<5	9
425 <63um	4	<2	<5	0.51	<0.2	5	20	<2	5.74	<0.5	6	19	12	0.95	0.05	<10	2.67	167	0.02	7	520	6	5	35	0.08	19	<5	13
426 <63um	4	<2	<5	0.83	<0.2	5	40	<2	8.99	<0.5	8	25	12	1.14	0.14	<10	2.57	245	0.02	8	420	4	5	60	0.08	22	<5	20
431 <63um	2	<2	<5	1.08	<0.2	5	60	<2	0.36	<0.5	6	36	10	1.42	0.08	20	0.32	184	0.01	12	620	10	<5	15	0.10	27	<5	15
432 <63um	8	<2	<5	0.64	<0.2	10	20	<2	8.46	<0.5	6	22	9	0.93	0.10	<10	2.82	165	0.02	7	440	6	<5	55	0.07	18	<5	14
433 <63um	4	<2	<5	0.54	<0.2	<5	20	<2	9.15	<0.5	6	18	10	0.83	0.08	<10	2.73	174	0.02	5	420	<2	5	58	0.07	16	<5	13
434 <63um	6	<2	<5	0.86	0.2	<5	30	<2	0.41	<0.5	6	25	6	1.44	0.06	40	0.28	245	0.01	8	470	6	<5	18	0.10	27	<5	13
435 <63um	4	<2	<5	0.88	<0.2	<5	20	<2	0.40	0.5	5	27	12	1.34	0.07	30	0.27	235	0.02	9	590	2	<5	17	0.10	25	<5	14
436 <63um	6	<2	<5	0.96	<0.2	5	20	<2	0.54	<0.5	5	28	5	1.31	0.07	40	0.33	205	0.02	8	600	4	<5	20	0.10	24	<5	14
439 <63um	4	<2	<5	0.63	<0.2	<5	20	<2	8.70	<0.5	6	20	8	0.91	0.08	<10	2.78	191	0.02	6	440	<2	5	56	0.07	18	<5	14
443 <63um	4	<2	<5	1.14	<0.2	5	50	<2	0.30	<0.5	5	24	5	1.40	0.06	10	0.24	146	0.01	9	380	2	<5	14	0.11	25	<5	13
444 <63um	6	<2	<5	0.91	<0.2	<5	40	<2	3.38	<0.5	6	22	6	1.50	0.05	10	1.70	139	0.01	7	410	2	<5	26	0.10	23	<5	16
445 <63um	4	<2	<5	1.19	<0.2	5	40	<2	0.40	0.5	6	25	6	1.43	0.07	20	0.28	235	0.01	11	540	4	<5	18	0.11	26	<5	16
446 <63um	2	<2	<5	1.32	<0.2	10	40	<2	0.34	<0.5	6	28	8	1.56	0.08	20	0.28	177	0.01	10	630	10	<5	17	0.11	26	<5	16
447 <63um	4	<2	<5	0.38	<0.2	<5	10	<2	9.03	<0.5	8	18	13	0.94	0.06	<10	2.66	180	0.02	5	490	8	5	57	0.07	18	<5	17
448 <63um	<2	<2	<5	0.61	<0.2	5	20	<2	5.50	<0.5	6	18	6	0.86	0.05	<10	2.34	146	0.02	5	450	<2	<5	33	0.07	17	<5	13
451 <63um	8	<2	<5	0.59	<0.2	<5	20	<2	5.13	<0.5	6	19	5	0.90	0.05	<10	2.64	178	0.02	5	530	<2	<5	32	0.08	18	<5	12
453 <63um	<																											

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
696 <63um	10	<2	<5	0.48	<0.2	<5	20	<2	9.64	0.5	7	15	13	0.83	0.07	<10	2.80	176	0.02	7	450	10	<5	57	0.06	16	<5	19
8022 <63um	2	2	5	0.43	<0.2	<5	10	2	8.84	<0.5	3	13	7	0.79	0.05	<10	3.03	152	0.01	4	430	2	<5	53	0.07	17	<5	11
8023 <63um	6	2	5	0.44	<0.2	<5	20	2	7.97	<0.5	4	15	5	0.82	0.06	<10	3.02	162	0.01	3	460	<2	<5	48	0.07	18	<5	12
8024 <63um	4	2	5	0.71	<0.2	<5	30	4	9.67	<0.5	4	19	11	1.02	0.10	<10	3.13	196	0.02	10	480	<2	5	60	0.09	21	<5	16
8025 <63um	2	2	5	0.44	<0.2	<5	20	2	7.97	<0.5	3	13	8	0.85	0.05	<10	3.10	151	0.01	3	490	2	5	47	0.08	18	<5	12
8026 <63um	4	2	5	0.32	<0.2	<5	20	<2	7.53	<0.5	3	13	8	0.82	0.04	<10	2.91	127	0.01	6	530	<2	<5	43	0.07	18	<5	11
8027 <63um	4	2	5	0.66	<0.2	5	30	<2	8.21	<0.5	5	20	9	0.98	0.08	<10	3.16	185	0.02	7	500	<2	<5	49	0.08	20	<5	16
8028 <63um	2	2	5	0.67	<0.2	<5	30	<2	9.00	<0.5	4	19	14	0.99	0.08	<10	2.92	180	0.02	7	470	4	<5	53	0.08	19	<5	15
8029 <63um	2	2	5	0.45	<0.2	<5	10	<2	8.57	<0.5	4	16	5	0.80	0.05	<10	3.13	135	0.01	7	480	<2	<5	49	0.07	17	<5	12
8030 <63um	4	2	5	0.90	<0.2	<5	20	<2	5.32	<0.5	8	29	50	1.64	0.07	<10	3.00	225	0.02	19	590	2	<5	34	0.11	32	<5	30
8031 <63um	8	2	5	0.42	<0.2	<5	10	<2	9.55	<0.5	4	14	7	0.83	0.06	<10	3.13	166	0.01	5	470	<2	<5	57	0.07	17	<5	14
8057 <63um	6	2	5	0.44	<0.2	<5	10	<2	7.72	<0.5	4	16	8	0.94	0.06	<10	2.64	169	0.01	7	540	<2	<5	44	0.08	19	<5	18
8058 <63um	2	<2	<5	0.44	<0.2	10	20	<2	10.08	<0.5	6	16	10	0.96	0.08	<10	3.08	172	0.01	4	500	4	<5	60	0.08	10	<5	18
8059 <63um	2	2	5	0.71	<0.2	<5	20	<2	3.71	<0.5	4	22	8	1.18	0.07	20	1.59	204	0.01	8	600	2	<5	30	0.09	24	<5	15
8060 <63um	2	2	5	0.50	<0.2	<5	20	<2	8.10	<0.5	5	16	10	0.89	0.06	<10	2.97	199	0.02	6	500	6	5	50	0.09	19	<5	14
Location Map D:																												
99 <63um	<2	<2	<5	0.64	0.2	<5	30	<2	8.82	<0.5	9	22	13	0.95	0.10	<10	2.68	196	0.02	6	460	4	15	53	0.08	20	<5	15
100 <63um	2	<2	<5	0.39	0.2	<5	10	<2	9.83	<0.5	8	17	6	0.72	0.04	<10	3.01	161	0.01	5	400	<2	<5	55	0.06	14	5	10
115 <63um	<2	4	20	0.49	0.2	<5	20	<2	9.41	<0.5	8	15	16	0.90	0.07	<10	2.24	186	0.01	7	380	2	5	59	0.07	16	<5	22
116 <63um	<2	<2	<5	0.44	0.2	<5	10	<2	7.74	<0.5	6	14	10	0.82	0.06	<10	2.37	147	0.01	6	400	4	<5	50	0.06	16	<5	14
117 <63um	<2	2	5	0.55	<0.2	5	20	2	7.10	<0.5	8	19	15	0.97	0.06	<10	2.43	167	0.01	10	440	6	<5	46	0.07	18	<5	17
118 <63um	<2	<2	5	0.43	<0.2	<5	20	<2	6.63	<0.5	7	17	13	0.91	0.05	<10	2.18	146	0.01	6	450	<2	<5	43	0.07	18	<5	15
119 <63um	<2	<2	10	0.64	<0.2	<5	30	2	8.73	<0.5	7	18	10	0.95	0.10	<10	2.34	194	0.02	9	410	2	<5	57	0.07	19	<5	18
120 <63um	<2	<2	15	0.38	<0.2	<5	20	2	7.80	<0.5	6	14	8	0.77	0.05	<10	2.37	142	0.01	6	430	4	<5	47	0.05	15	<5	12
121 <63um	4	<2	5	0.41	<0.2	<5	20	<2	8.44	<0.5	6	15	9	0.79	0.07	<10	2.67	145	0.01	6	410	<2	<5	55	0.07	16	<5	11
122 <63um	<2	<2	<5	0.55	<0.2	<5	30	<2	9.25	<0.5	7	17	12	0.90	0.09	<10	2.60	211	0.02	7	420	<2	<5	63	0.07	17	<5	15
123 <63um	<2	<2	<5	0.30	<0.2	<5	10	2	7.69	<0.5	1	12	6	0.73	0.04	<10	2.44	133	0.01	4	430	<2	<5	49	0.06	15	<5	9
124 <63um	<2	<2	10	0.41	<0.2	<5	20	2	6.22	<0.5	6	14	7	0.83	0.05	<10	2.41	157	0.01	6	470	<2	<5	39	0.06	16	<5	13
125 <63um	<2	<2	5	0.27	<0.2	<5	10	<2	7.89	<0.5	7	13	11	0.69	0.03	<10	2.52	115	0.01	5	420	<2	<5	45	0.06	15	<5	9
126 <63um	<2	<2	<5	0.47	<0.2	<5	20	<2	8.08	<0.5	8	20	12	0.88	0.06	<10	2.38	166	0.01	8	450	<2	<5	48	0.07	17	5	15
127 <63um	2	<2	10	0.74	<0.2	<5	40	2	7.70	<0.5	7	29	19	1.15	0.11	<10	2.34	222	0.01	11	430	<2	<5	51	0.08	21	<5	19
128 <63um	2	<2	<5	0.35	<0.2	<5	20	2	7.91	<0.5	1	12	11	0.72	0.04	<10	2.64	134	0.01	6	400	<2	<5	49	0.06	14	<5	11
129 <63um	6	<2	5	0.62	<0.2	<5	30	<2	8.92	<0.5	7	18	11	0.96	0.11	<10	2.75	207	0.02	9	420	2	<5	60	0.07	18	<5	17
130 <63um	<2	<2	10	0.60	<0.2	15	30	<2	8.61	<0.5	9	22	10	0.91	0.11	<10	2.64	192	0.01	7	410	4	<5	52	0.07	17	<5	17
131 <63um	<2	<2	5	0.69	<0.2	<5	30	<2	8.35	<0.5	7	20	23	1.00	0.10	<10	2.59	209	0.02	9	440	2	<5	57	0.08	19	<5	21
132 <63um	2	<2	5	0.32	<0.2	<5	10	2	7.92	<0.5	1	11	9	0.67	0.04	<10	2.59	125	0.01	6	410	<2	<5	49	0.06	14	<5	10
133 <63um	2	<2	<5	0.57	<0.2	5	30	2	9.05	<0.5	6	17	10	0.89	0.08	<10	2.72	174	0.01	7	410	<2	<5	59	0.07	17	<5	14
134 <63um	2	<2	<5	0.53	<0.2	<5	20	2	8.92	<0.5	6	16	11	0.88	0.07	<10	2.72	182	0.01	8	410	<2	<5	58	0.07	17	<5	14
135 <63um	4	<2	5	0.75	<0.2	<5	30	<2	7.96	<0.5	7	22	14	1.10	0.11	<10	2.52	244	0.02	10	430	<2	<5	55	0.08	20	<5	18
136 <63um	2	<2	<5	0.62	<0.2	<5	30	<2	8.58	<0.5	7	19	11	0.96	0.11	<10	2.77	221	0.02	6	400	<2	<5	59	0.07	17	<5	17
137 <63um	2	<2	<5	0.63	<0.2	<5	30	<2	7.82	<0.5	7	19	12	0.96	0.10	<10	2.45	219	0.01	9	380	2	5	54	0.07	18	<5	17
138 <63um	<2	<2	<5	0.35	<0.2	<5	10	<2	6.99	<0.5	7	18	8	0.75	0.04	<10	2.40	152	0.01	3	450	2	<5	39	0.06	15	5	10
139 <63um	<2	<2	<5	0.42	<0.2	<5	20	<2	8.59	<0.5	7	17	9	0.76	0.06	<10	2.56	154	0.01	6	410	<2	<5	50	0.06	15	5	15
140 <63um	62	<2	<5	0.27	<0.2	<5	10	<2	6.96	<0.5	6	16	6	0.73	0.03	<10	2.22	115	0.01	1	450	<2	<5	40	0.05	15	5	10
141 <63um	<2	<2	<5	0.30	<0.2	<5	10	<2	7.31	<0.5	7	14	7	0.71	0.04	<10	2.44	127	0.01	2	420	<2	<5	42	0.06	14	<5	10
142 <63um	6	<2	10	0.25	<0.2	<5	10	<2	6.95	<0.5	5	12	7	0.65	0.03	<10	2.36	135	0.01	4	380	<2	<5	44	0.05	13	<5	8
143 <63um	4	<2	<5	0.59	<0.2	<5	20	<2	8.29	<0.5	7	18	13	0.90	0.10	<10	2.74	206	0.02	8	390	<2	<5	58	0.07	17	<5	16
144 <63um	2	<2	5	0.33	<0.2	<5	10	<2	8.35	<0.5	1	11	6	0.61	0.05	<10	2.86	130	0.01	4	350	<2	<5	54	0.05	12	<5	10
201 <63um	<2	<2	<5	0.98	<0.2	<5	30	<2	0.48	<0.5	5	26	7	1.25	0.06	20	0.33	115	0.01	10	470	6	<5	18	0.10	26	<5	21
202 <63um	2	2	<5	1.37	<0.2	15	60	<2	0.36	<0.5	7	30	8	1.50	0.08	10	0.35	188	0.01	15	460	16	5	16	0.10	25	<5	19
203 <63um	2	2	<5	1.19	<0.2	<5	40	<2	0.24	<0.5	14</																	

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
206 <63um	<2	<2	<5	0.76	0.2	<5	50	<2	5.27	0.5	13	69	20	1.47	0.14	<10	1.80	223	0.01	25	590	2	10	36	0.10	32	5	27
207 <63um	<2	<2	<5	0.83	<0.2	20	30	<2	0.23	<0.5	3	20	3	0.98	0.05	10	0.19	86	0.01	7	220	2	<5	13	0.09	22	<5	12
208 <63um	<2	<2	<5	0.71	<0.2	<5	50	<2	3.64	<0.5	7	29	9	1.01	0.07	<10	2.13	114	0.01	11	460	6	5	24	0.09	21	5	14
209 <63um	<2	<2	<5	1.04	<0.2	5	50	<2	0.28	<0.5	7	51	12	1.37	0.05	20	0.37	109	0.01	22	90	8	<5	16	0.13	31	<5	29
210 <63um	<2	<2	10	1.07	<0.2	<5	50	<2	0.37	<0.5	10	56	15	1.68	0.18	20	0.49	262	0.01	20	590	8	<5	15	0.11	34	5	23
211 <63um	<2	<2	5	1.03	<0.2	15	70	<2	0.43	<0.5	8	103	19	1.74	0.16	10	0.70	159	0.01	34	550	2	<5	12	0.12	41	<5	25
212 <63um	<2	<2	10	0.79	<0.2	15	60	<2	0.33	<0.5	8	66	12	1.48	0.13	20	0.50	162	0.01	23	550	2	<5	12	0.10	33	5	19
213 <63um	<2	<2	<5	0.85	0.2	15	40	<2	4.19	<0.5	12	96	30	1.47	0.09	<10	1.93	168	0.01	23	570	<2	5	27	0.08	34	5	24
214 <63um	<2	<2	<5	0.73	<0.2	5	20	<2	0.24	<0.5	3	20	2	0.93	0.03	10	0.18	80	0.01	4	70	2	<5	14	0.09	21	<5	11
215 <63um	<2	2	<5	0.83	<0.2	<5	20	<2	0.35	<0.5	5	25	4	1.12	0.04	10	0.27	100	0.01	8	280	2	<5	14	0.11	23	<5	14
216 <63um	<2	<2	<5	1.07	<0.2	20	50	<2	0.98	<0.5	6	39	10	1.33	0.08	20	0.69	132	0.01	18	360	<2	<5	17	0.11	27	5	21
217 <63um	<2	2	<5	1.34	0.2	<5	170	<2	0.26	<0.5	18	88	51	2.43	0.51	20	0.81	191	0.02	58	650	6	<5	9	0.13	56	5	36
218 <63um	4	2	<5	0.70	<0.2	<5	30	<2	0.21	<0.5	2	19	3	0.74	0.03	10	0.13	50	0.01	6	80	<2	<5	10	0.08	22	<5	10
219 <63um	<2	4	<5	0.85	<0.2	15	40	<2	6.41	<0.5	8	31	7	1.06	0.10	<10	2.47	152	0.02	9	460	4	10	40	0.09	22	5	16
220 <63um	<2	4	<5	0.98	<0.2	20	80	<2	0.30	<0.5	9	63	8	1.35	0.13	10	0.50	97	0.01	22	230	<2	<5	9	0.11	36	<5	22
221 <63um	<2	<2	<5	0.44	<0.2	15	30	<2	6.11	<0.5	8	26	8	0.90	0.07	<10	2.00	128	0.01	9	480	2	5	35	0.06	19	<5	14
222 <63um	<2	<2	<5	0.77	<0.2	<5	30	<2	0.69	<0.5	5	35	8	1.29	0.09	20	0.45	179	0.01	14	610	6	<5	14	0.08	26	<5	18
223 <63um	<2	<2	5	1.01	<0.2	<5	70	<2	0.29	<0.5	9	48	15	1.55	0.20	10	0.41	176	0.01	25	590	<2	<5	11	0.10	36	5	21
224 <63um	2	<2	<5	1.05	0.2	5	40	<2	6.48	<0.5	11	40	17	1.27	0.14	<10	2.35	258	0.01	14	460	6	10	44	0.09	26	5	21
225 <63um	<2	<2	<5	1.60	0.2	<5	80	<2	0.32	<0.5	12	86	17	2.00	0.14	10	0.64	230	0.01	36	520	<2	<5	16	0.14	41	<5	25
226 <63um	<2	<2	5	0.90	<0.2	<5	40	2	0.28	<0.5	7	29	10	1.24	0.07	10	0.26	154	0.01	10	460	<2	<5	15	0.09	25	<5	14
227 <63um	<2	<2	<5	0.74	<0.2	<5	20	<2	0.26	<0.5	2	27	3	1.04	0.08	10	0.24	103	0.01	8	380	2	<5	14	0.12	25	<5	13
228 <63um	<2	<2	5	2.23	<0.2	10	70	<2	0.33	<0.5	18	139	21	2.56	0.14	10	1.25	222	0.01	65	520	8	<5	17	0.18	53	5	31
229 <63um	<2	<2	15	0.57	<0.2	15	10	<2	0.27	<0.5	4	23	4	1.09	0.04	20	0.22	144	0.01	6	410	2	<5	14	0.08	22	<5	11
230 <63um	<2	<2	5	0.77	<0.2	5	30	<2	0.22	<0.5	4	29	3	1.10	0.04	10	0.22	106	0.01	9	240	2	<5	14	0.09	22	<5	11
231 <63um	2	<2	<5	1.13	<0.2	<5	40	<2	0.37	<0.5	4	34	3	1.36	0.06	20	0.34	134	0.01	14	180	<2	<5	16	0.12	29	5	23
232 <63um	<2	<2	10	0.45	<0.2	<5	10	<2	8.95	<0.5	8	18	7	0.75	0.07	<10	2.70	152	0.01	6	410	8	5	50	0.06	15	<5	12
233 <63um	4	<2	5	0.93	0.2	<5	70	<2	3.33	<0.5	10	51	23	1.40	0.21	<10	2.24	143	0.02	24	580	6	5	22	0.10	36	<5	18
234 <63um	<2	<2	5	0.72	<0.2	5	40	<2	3.00	<0.5	8	39	10	1.11	0.09	<10	1.87	115	0.01	15	490	<2	5	22	0.09	27	<5	15
235 <63um	<2	<2	5	0.60	<0.2	<5	20	<2	9.30	<0.5	9	24	9	0.91	0.10	<10	2.86	204	0.02	7	440	4	10	59	0.08	19	5	16
236 <63um	<2	<2	5	0.61	<0.2	<5	20	<2	7.31	<0.5	8	20	8	0.85	0.07	<10	2.72	158	0.01	6	420	<2	10	45	0.07	17	5	12
237 <63um	<2	<2	<5	1.05	<0.2	<5	30	<2	5.48	<0.5	9	31	11	1.24	0.14	<10	2.93	169	0.02	11	490	<2	5	35	0.09	24	5	19
238 <63um	<2	<2	<5	0.86	0.2	10	20	<2	4.23	<0.5	8	30	10	1.19	0.09	<10	2.41	153	0.01	9	540	<2	5	28	0.10	23	<5	16
239 <63um	2	<2	<5	0.44	<0.2	<5	20	<2	8.59	<0.5	8	18	8	0.75	0.07	<10	2.70	158	0.01	2	410	8	<5	51	0.06	15	5	12
240 <63um	20	<2	10	1.36	<0.2	30	40	<2	0.38	<0.5	14	43	24	2.11	0.10	40	0.56	348	0.01	31	450	<2	<5	20	0.09	32	5	29
241 <63um	2	2	<5	0.50	<0.2	<5	20	<2	8.91	<0.5	9	18	9	0.81	0.07	<10	2.71	183	0.01	7	440	8	5	54	0.07	17	5	14
242 <63um	2	2	<5	0.59	<0.2	5	20	<2	6.06	<0.5	8	22	8	0.90	0.07	<10	2.51	173	0.01	4	470	6	5	35	0.07	18	5	13
243 <63um	<2	<2	<5	1.15	<0.2	5	50	<2	0.30	<0.5	7	36	8	1.29	0.07	10	0.34	132	0.01	18	450	<2	<5	14	0.10	25	<5	16
244 <63um	2	<2	5	0.89	<0.2	10	80	<2	6.23	<0.5	11	55	28	1.37	0.21	<10	1.84	195	0.02	20	470	8	5	39	0.10	31	<5	21
245 <63um	<2	<2	10	1.45	<0.2	<5	100	<2	0.42	<0.5	10	62	15	1.93	0.21	20	0.60	266	0.02	24	520	6	<5	22	0.13	41	<5	25
246 <63um	2	2	<5	0.68	<0.2	<5	20	<2	3.38	<0.5	6	20	6	0.87	0.06	<10	1.91	107	0.01	5	460	4	<5	24	0.08	18	<5	13
247 <63um	<2	<2	5	0.54	<0.2	<5	10	<2	5.75	<0.5	7	23	9	0.94	0.07	<10	2.10	174	0.01	8	500	6	5	34	0.07	19	5	13
248 <63um	<2	<2	5	0.64	<0.2	<5	20	<2	6.96	<0.5	9	23	11	0.94	0.09	<10	2.40	177	0.01	5	450	<2	<5	42	0.07	19	<5	13
249 <63um	<2	<2	5	1.02	<0.2	<5	40	<2	8.63	<0.5	8	28	15	1.30	0.17	<10	2.35	296	0.02	12	460	4	<5	59	0.09	25	10	27
250 <63um	<2	4	10	0.42	<0.2	<5	10	2	7.87	<0.5	6	15	8	0.77	0.06	<10	2.46	146	0.01	6	440	6	<5	48	0.06	16	5	13
251 <63um	<2	4	<5	0.40	<0.2	<5	10	<2	6.05	<0.5	7	19	9	0.96	0.04	<10	2.28	163	0.01	6	490	4	<5	37	0.07	20	5	13
252 <63um	<2	<2	<5	0.88	<0.2	<5	50	<2	0.32	<0.5	8	27	10	1.46	0.05	30	0.27	336	0.01	14	520	6	<5	15	0.10	27	5	16
253 <63um	<2	4	<5	1.05	<0.2	<5	30	<2	0.41	<0.5	8	27	8	1.35	0.04	20	0.32	112	0.01	17	180	10	<5	13	0.09	25	5	19
254 <63um	<2	2	<5	0.58	<0.2	<5	20	2	8.73	<0.5	6	17	10	0.88	0.09	<10	2.50	180	0.01	6	430	4	<5	56	0.07	17	5	15
255 <63um	<2	2	5	0.45	<0.2	<5	20	<2	8.21	<0.5	8	16	17	0.85	0.06	<10	2.19	176	0.01	6	420	4	<5	50	0.06	17	5	18
256 <63um	2	2	<5	1.19	<0.2	5	50	<2	0.35	<0.5	9	35	15	1.60	0.05	20	0.41	266	0.01	21	410	6	<5	15	0.10	27	5	23
257 <63um																												

	<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
259	<63um	<2	<2	<5	0.46	<0.2	<5	10	<2	4.49	<0.5	5	18	7	0.84	0.04	<10	2.25	122	0.01	5	560	6	<5	27	0.06	17	5	11
260	<63um	<2	<2	<5	0.38	<0.2	<5	10	<2	9.13	<0.5	5	14	5	0.70	0.05	<10	2.61	143	0.01	4	410	2	<5	54	0.06	14	5	12
261	<63um	<2	<2	5	0.44	<0.2	<5	10	<2	9.07	<0.5	5	16	5	0.78	0.07	<10	2.54	163	0.01	7	440	6	<5	55	0.06	16	<5	12
262	<63um	<2	<2	<5	0.59	<0.2	<5	20	<2	9.34	<0.5	6	17	7	0.85	0.07	<10	2.72	171	0.01	6	460	4	<5	55	0.07	17	5	12
263	<63um	2	4	<5	0.59	0.2	<5	30	<2	7.76	<0.5	7	24	12	0.97	0.09	<10	2.29	168	0.01	10	460	4	<5	49	0.07	20	5	16
264	<63um	<2	<2	<5	0.68	<0.2	<5	40	<2	3.43	<0.5	7	39	17	1.18	0.10	<10	1.93	126	0.01	17	580	4	<5	23	0.08	26	5	17
265	<63um	2	<2	<5	1.58	<0.2	<5	70	<2	0.36	<0.5	11	70	17	2.03	0.16	10	0.64	286	0.01	27	420	6	<5	19	0.13	40	5	29
266	<63um	<2	<2	<5	0.62	<0.2	<5	20	<2	8.16	<0.5	7	20	11	0.93	0.10	<10	2.42	182	0.01	6	440	2	<5	54	0.07	19	5	17
267	<63um	<2	<2	<5	0.74	<0.2	<5	30	<2	4.93	<0.5	7	26	18	1.09	0.10	<10	2.51	168	0.01	10	510	6	<5	32	0.08	22	<5	16
268	<63um	<2	<2	<5	1.25	<0.2	<5	70	<2	0.57	<0.5	11	93	18	2.12	0.14	40	0.80	308	0.01	33	650	4	<5	17	0.13	46	5	34
269	<63um	<2	<2	<5	0.60	<0.2	<5	30	2	3.31	<0.5	7	32	9	1.16	0.09	<10	1.50	182	0.01	14	540	2	<5	27	0.08	24	5	17
270	<63um	<2	<2	5	1.06	<0.2	<5	70	<2	0.40	<0.5	7	41	8	1.37	0.10	20	0.38	224	0.01	17	570	6	<5	18	0.10	27	5	18
271	<63um	<2	<2	<5	0.43	<0.2	<5	30	<2	5.39	<0.5	5	21	10	0.83	0.08	<10	1.84	122	0.01	8	480	6	<5	35	0.06	18	5	13
272	<63um	<2	2	<5	0.68	0.2	<5	20	<2	6.96	<0.5	6	20	11	0.98	0.08	<10	2.59	187	0.01	8	460	8	<5	42	0.07	19	<5	15
273	<63um	<2	2	<5	0.61	<0.2	<5	20	2	9.14	<0.5	7	21	12	0.91	0.08	<10	2.63	177	0.01	7	430	<2	<5	56	0.07	18	<5	14
274	<63um	6	<2	<5	0.70	<0.2	5	50	<2	0.35	<0.5	6	25	6	1.22	0.06	20	0.26	182	0.01	10	500	2	<5	16	0.09	24	<5	15
275	<63um	<2	<2	<5	0.33	<0.2	5	10	<2	8.07	<0.5	5	14	5	0.76	0.04	<10	2.43	135	0.01	4	450	4	<5	50	0.06	16	<5	12
276	<63um	<2	2	<5	0.64	0.2	<5	30	<2	9.13	<0.5	7	20	9	0.97	0.10	<10	2.68	224	0.01	7	440	8	<5	59	0.07	20	5	17
277	<63um	<2	2	<5	0.36	<0.2	<5	10	<2	5.84	<0.5	7	17	4	0.88	0.04	<10	2.26	161	0.01	6	490	4	<5	35	0.06	18	<5	11
278	<63um	<2	<2	<5	0.32	0.2	<5	10	<2	5.05	<0.5	6	17	4	0.87	0.03	<10	2.28	123	0.01	6	530	2	<5	30	0.06	18	5	10
279	<63um	2	<2	<5	0.56	0.2	<5	20	<2	6.70	<0.5	6	20	10	0.94	0.06	<10	2.63	140	0.02	8	460	8	<5	40	0.07	18	<5	14
280	<63um	<2	2	<5	0.94	0.2	<5	40	<2	8.89	<0.5	9	26	12	1.26	0.15	<10	2.48	316	0.02	12	440	6	<5	59	0.08	24	5	24
281	<63um	<2	2	<5	0.52	<0.2	<5	20	<2	5.56	<0.5	6	19	5	0.81	0.05	<10	2.78	120	0.01	6	470	4	<5	32	0.06	16	<5	12
282	<63um	<2	<2	<5	0.65	<0.2	<5	20	<2	3.89	<0.5	6	22	6	0.94	0.05	<10	2.07	111	0.01	10	470	12	<5	25	0.07	18	<5	15
283	<63um	<2	<2	<5	0.85	<0.2	5	30	2	9.06	<0.5	8	25	14	1.12	0.13	<10	2.62	230	0.01	11	430	8	<5	60	0.08	22	<5	21
284	<63um	24	<2	5	0.90	<0.2	35	20	<2	6.09	<0.5	18	28	31	1.62	0.06	<10	2.43	320	0.02	24	480	8	<5	40	0.06	23	<5	25
285	<63um	16	<2	5	1.51	0.2	60	40	<2	0.40	<0.5	24	40	40	2.71	0.05	40	0.63	418	0.01	46	530	12	<5	17	0.07	31	<5	38
8032	<63um	2	2	5	0.39	<0.2	<5	10	<2	8.50	<0.5	4	14	7	0.83	0.03	<10	3.03	172	0.01	7	510	<2	<5	49	0.07	17	<5	10
8033	<63um	6	2	5	0.70	<0.2	5	20	<2	8.49	<0.5	4	20	13	1.10	0.06	<10	3.12	179	0.01	9	540	<2	<5	51	0.09	23	<5	18
8034	<63um	4	2	5	0.68	<0.2	<5	20	<2	10.18	<0.5	4	20	11	1.05	0.10	<10	3.04	222	0.02	9	470	<2	<5	63	0.08	22	<5	20
8035	<63um	2	2	5	0.28	<0.2	5	10	<2	7.79	<0.5	4	16	9	0.97	0.03	<10	2.34	140	0.01	7	500	<2	<5	46	0.06	20	<5	15
8051	<63um	4	2	5	0.69	<0.2	<5	60	<2	4.33	<0.5	7	60	26	1.36	0.16	<10	2.45	164	0.01	25	620	<2	<5	28	0.10	32	<5	22
8052	<63um	2	2	5	0.55	<0.2	<5	30	<2	7.50	<0.5	5	34	14	1.02	0.08	<10	2.78	157	0.01	12	480	<2	5	46	0.08	24	<5	15
8053	<63um	6	2	5	0.65	<0.2	<5	50	<2	6.14	<0.5	5	25	10	1.04	0.08	<10	2.79	155	0.01	11	490	<2	<5	37	0.08	22	<5	15
8054	<63um	2	2	5	1.24	0.6	<5	60	<2	0.50	<0.5	10	72	18	2.12	0.22	50	0.73	284	0.01	29	690	6	<5	17	0.14	43	<5	34
8055	<63um	4	<2	<5	1.21	0.4	25	130	<2	0.52	<0.5	14	109	59	2.54	0.33	60	0.88	369	0.01	67	710	8	<5	13	0.14	50	<5	51
8056	<63um	2	2	5	0.43	<0.2	<5	10	<2	6.08	<0.5	5	19	7	1.04	0.05	<10	2.84	190	0.01	7	590	<2	<5	35	0.07	22	<5	12
Location Map E:																													
26	<63um	<2	<2	5	0.31	0.2	<5	10	<2	7.31	<0.5	6	15	4	0.92	0.04	<10	2.40	139	0.01	5	520	2	5	45	0.06	18	<5	13
27	<63um	<2	<2	<5	0.40	0.2	<5	20	2	10.17	<0.5	7	13	11	0.80	0.06	<10	2.87	189	0.01	6	430	6	5	63	0.07	15	<5	19
28	<63um	2	<2	<5	0.60	0.2	<5	20	2	9.88	<0.5	7	15	9	0.89	0.09	<10	2.88	177	0.01	5	430	2	<5	62	0.07	17	<5	16
29	<63um	<2	<2	<5	0.36	0.2	<5	10	2	9.24	<0.5	5	11	5	0.68	0.04	<10	2.93	134	0.01	4	420	8	<5	56	0.06	14	<5	10
31	<63um	<2	2	<5	0.32	0.2	<5	10	2	8.16	<0.5	5	11	5	0.72	0.03	<10	2.56	126	0.01	4	420	<2	<5	50	0.06	14	<5	10
32	<63um	<2	<2	<5	0.56	0.2	<5	20	2	9.73	<0.5	6	15	9	0.87	0.07	<10	2.72	177	0.01	6	430	6	<5	60	0.07	17	<5	14
37	<63um	<2	<2	<5	0.33	0.2	<5	10	4	7.60	<0.5	6	12	4	0.76	0.04	<10	2.62	137	0.01	4	440	6	<5	46	0.06	16	<5	11
50	<63um	<2	<2	5	1.00	0.2	<5	40	2	8.77	<0.5	7	27	12	1.34	0.16	<10	2.53	280	0.02	13	430	4	<5	60	0.08	24	<5	26
51	<63um	<2	<2	<5	0.54	0.4	<5	20	2	10.24	<0.5	7	16	12	0.91	0.08	<10	2.92	207	0.01	7	430	6	<5	64	0.07	17	<5	19
52	<63um	<2	<2	<5	0.40	0.2	<5	10	2	9.59	<0.5	5	12	6	0.70	0.06	<10	3.13	160	0.01	4	430	4	<5	59	0.06	14	<5	12
53	<63um	<2	<2	<5	0.55	0.2	<5	20	<2	9.82	<0.5	7	15	8	0.87	0.09	<10	3.13	209	0.01	7	430	6	5	61	0.07	16	<5	16
65	<63um	<2	<2	<5	0.34	0.2	<5	10	<2	6.74	<0.5	5	12	8	0.74	0.03	<10	2.67	139	0.01	5	420	2	<5	38	0.05	1		

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
322 <63um	<2	8	<5	0.66	<0.2	<5	20	2	5.50	<0.5	5	19	8	0.88	0.06	<10	2.62	124	0.01	7	490	4	<5	34	0.07	17	5	14
325 <63um	6	10	<5	0.71	<0.2	<5	20	<2	0.32	<0.5	6	35	11	1.07	0.02	20	0.34	105	0.01	13	480	8	<5	15	0.09	22	5	14
326 <63um	2	6	<5	0.25	<0.2	<5	10	<2	7.43	<0.5	5	13	5	0.65	0.03	<10	2.46	125	0.01	4	430	10	<5	43	0.05	13	<5	11
327 <63um	<2	6	10	0.55	<0.2	<5	30	2	8.86	<0.5	7	18	10	0.83	0.07	<10	2.93	175	0.01	9	420	8	<5	52	0.06	16	<5	15
328 <63um	2	4	<5	0.37	<0.2	<5	10	<2	5.49	<0.5	6	16	7	0.86	0.04	<10	2.37	174	0.01	9	490	8	<5	32	0.06	17	5	12
329 <63um	<2	<2	<5	0.48	<0.2	<5	20	<2	10.17	<0.5	6	15	9	0.77	0.05	<10	2.92	172	0.01	7	410	4	<5	60	0.06	15	<5	14
330 <63um	<2	<2	<5	0.33	<0.2	<5	10	<2	8.54	<0.5	5	14	5	0.71	0.04	<10	2.68	147	0.01	4	420	2	<5	49	0.05	14	10	12
331 <63um	<2	<2	<5	0.46	<0.2	<5	10	<2	7.75	<0.5	7	21	5	0.90	0.05	<10	2.58	180	0.01	8	450	4	<5	45	0.06	17	5	15
400 <63um	4	<2	5	0.31	<0.2	<5	10	<2	9.17	<0.5	7	14	11	0.79	0.04	<10	2.72	156	0.02	6	460	6	<5	53	0.06	16	<5	12
401 <63um	2	<2	<5	0.41	0.2	<5	20	<2	9.60	0.5	6	13	7	0.74	0.04	<10	3.27	154	0.02	4	450	2	<5	54	0.06	15	<5	8
404 <63um	4	<2	<5	0.37	0.2	<5	10	<2	7.58	<0.5	6	11	9	0.76	0.04	<10	2.86	135	0.02	3	480	10	<5	44	0.07	15	<5	10
405 <63um	4	<2	5	1.13	0.2	<5	30	2	0.75	<0.5	7	26	6	1.34	0.08	50	0.44	269	0.02	10	680	10	<5	20	0.09	23	<5	17
406 <63um	6	<2	<5	0.57	0.2	<5	20	2	6.82	0.5	6	16	5	0.81	0.05	<10	2.60	138	0.02	5	540	6	<5	44	0.08	16	<5	11
407 <63um	8	<2	<5	0.74	<0.2	<5	20	<2	1.29	0.5	5	16	3	0.93	0.05	20	0.78	113	0.01	6	510	8	<5	16	0.09	19	<5	14
408 <63um	4	<2	<5	1.03	0.2	<5	40	<2	11.09	<0.5	10	27	14	1.39	0.19	<10	3.31	304	0.03	11	520	4	<5	72	0.09	26	<5	27
409 <63um	8	<2	<5	0.59	0.2	<5	20	<2	9.91	<0.5	7	19	12	1.01	0.06	<10	3.39	171	0.02	7	540	10	<5	56	0.07	19	<5	16
410 <63um	6	<2	<5	0.49	0.2	<5	20	2	10.82	<0.5	10	21	19	1.08	0.06	<10	2.89	215	0.02	8	460	6	<5	64	0.06	20	<5	22
411 <63um	4	<2	<5	0.54	<0.2	<5	20	<2	9.99	<0.5	8	17	11	1.06	0.07	<10	3.20	214	0.02	7	510	6	<5	57	0.07	19	<5	22
412 <63um	12	<2	<5	0.44	<0.2	<5	10	<2	8.59	<0.5	7	18	8	0.97	0.05	<10	2.76	169	0.02	4	560	4	<5	51	0.07	21	<5	12
413 <63um	2	<2	10	0.53	<0.2	<5	20	<2	9.70	0.5	6	15	11	0.81	0.08	<10	3.01	166	0.02	7	420	<2	<5	59	0.07	15	<5	14
419 <63um	<2	<2	<5	0.53	<0.2	<5	20	2	10.24	<0.5	7	15	7	0.78	0.07	<10	2.88	169	0.02	6	420	8	<5	58	0.06	14	<5	13
427 <63um	6	<2	<5	0.48	<0.2	<5	20	<2	8.72	<0.5	6	16	11	0.76	0.07	<10	2.97	183	0.02	3	410	6	5	54	0.06	15	<5	13
428 <63um	4	<2	<5	0.48	<0.2	5	20	<2	7.69	<0.5	6	18	11	0.76	0.05	<10	3.09	152	0.02	5	430	2	5	45	0.06	15	<5	11
429 <63um	<2	<2	<5	0.47	<0.2	5	10	<2	7.03	<0.5	6	17	8	0.80	0.05	<10	3.06	127	0.02	7	450	8	5	40	0.06	16	<5	12
430 <63um	4	<2	<5	0.64	<0.2	5	20	<2	5.91	<0.5	7	24	9	0.98	0.06	<10	2.87	149	0.02	8	520	<2	<5	34	0.07	19	<5	16
437 <63um	4	<2	<5	0.51	<0.2	10	20	<2	8.75	<0.5	6	16	8	0.77	0.06	<10	3.07	175	0.02	4	420	2	<5	53	0.06	15	<5	11
438 <63um	2	<2	<5	0.55	<0.2	<5	20	<2	7.60	<0.5	6	17	8	0.83	0.07	<10	3.06	175	0.02	3	450	2	5	46	0.07	16	<5	12
440 <63um	4	<2	<5	0.81	<0.2	<5	30	<2	9.25	<0.5	8	26	12	1.10	0.12	<10	2.74	238	0.02	8	420	<2	5	63	0.08	21	<5	18
441 <63um	2	<2	<5	0.45	<0.2	<5	10	<2	10.18	<0.5	7	15	7	0.74	0.07	<10	3.32	196	0.02	6	410	2	5	64	0.07	14	<5	12
442 <63um	6	<2	<5	0.58	<0.2	<5	20	<2	7.22	<0.5	6	18	12	0.82	0.06	<10	2.90	145	0.02	6	430	<2	<5	45	0.07	16	<5	13
449 <63um	2	<2	<5	0.45	<0.2	<5	20	<2	9.13	<0.5	6	17	8	0.76	0.06	<10	2.98	161	0.02	4	420	<2	5	56	0.07	15	<5	10
450 <63um	2	<2	<5	0.54	<0.2	5	20	<2	9.49	<0.5	7	19	9	0.86	0.08	<10	2.95	207	0.02	5	420	<2	<5	61	0.07	17	<5	15
452 <63um	12	<2	<5	1.09	<0.2	5	50	<2	9.13	<0.5	10	31	14	1.40	0.18	<10	2.63	335	0.03	12	450	4	<5	64	0.09	26	<5	27
Location Map F:																												
301 <63um	<2	<2	<5	0.52	0.2	<5	20	2	8.85	<0.5	8	26	9	1.18	0.09	<10	2.82	194	0.01	9	590	8	<5	55	0.08	25	5	14
302 <63um	<2	<2	<5	0.51	0.2	<5	20	<2	10.36	<0.5	6	25	11	0.99	0.07	<10	3.07	176	0.01	8	590	2	<5	63	0.08	22	5	13
303 <63um	<2	<2	<5	0.43	0.2	<5	10	<2	8.64	<0.5	7	21	8	0.99	0.06	<10	2.56	165	0.01	7	510	6	<5	53	0.07	21	5	12
305 <63um	<2	<2	<5	0.45	0.2	<5	20	4	9.38	<0.5	7	20	8	0.82	0.07	<10	2.82	186	0.01	10	430	2	<5	57	0.07	18	5	14
306 <63um	<2	<2	<5	0.96	<0.2	5	70	<2	5.85	<0.5	10	54	18	1.40	0.17	<10	2.67	228	0.02	19	500	6	<5	37	0.09	30	5	23
308 <63um	<2	<2	<5	0.55	0.2	<5	20	<2	7.91	<0.5	8	23	13	0.93	0.08	<10	2.57	196	0.01	8	460	6	<5	50	0.07	19	5	17
309 <63um	2	2	<5	0.62	<0.2	5	40	2	5.81	<0.5	8	39	17	1.23	0.08	<10	2.23	198	0.01	13	510	4	<5	35	0.08	27	5	21
310 <63um	2	<2	<5	0.98	<0.2	10	90	<2	5.54	<0.5	10	67	19	1.45	0.19	<10	2.34	218	0.01	23	490	8	<5	34	0.10	33	5	26
311 <63um	<2	<2	<5	0.59	<0.2	<5	20	<2	6.32	<0.5	8	29	14	1.05	0.06	<10	2.56	192	0.01	11	520	6	<5	37	0.07	21	5	16
312 <63um	2	6	<5	1.08	<0.2	5	70	<2	7.60	<0.5	10	42	24	1.53	0.20	<10	2.38	259	0.02	18	510	10	<5	52	0.09	32	5	29
313 <63um	<2	<2	<5	0.64	<0.2	5	40	<2	5.09	<0.5	8	45	11	1.10	0.12	<10	2.69	163	0.01	14	510	2	<5	29	0.08	24	5	19
314 <63um	<2	10	<5	0.42	<0.2	<5	20	<2	8.27	<0.5	6	14	7	0.70	0.05	<10	2.93	157	0.01	5	400	4	<5	47	0.06	14	<5	11
315 <63um	2	8	<5	0.94	0.2	<5	40	<2	3.92	<0.5	7	25	14	1.19	0.12	<10	2.44	144	0.01	11	520	2	<5	24	0.08	22	5	20
316 <63um	2	8	<5	0.52	<0.2	<5	20	<2	4.33	<0.5	5	21	5	0.78	0.06	<10	2.63	111	0.01	7	440	4	<5	23	0.06	16	<5	11
317 <63um	<2	4	<5	0.56	<0.2	<5	20	<2	7.19	<0.5	6	17	8	0.82	0.07	<10	2.57	157	0.01	6	410	6	<5	43	0.06	16	5	15
318 <63um	4	6	<5	0.32	<0.2	5	10	<2	5.97	<0.5	6	16	8	0.82	0.03	<10	2.22	137	0.01	5	460	2	<5	35	0.05	17	5	12
319 <63um	<2	8	<5	0.39	<0.2	<5	20	<2	7.94	<0.5	8	19	13	0.85	0.06	<10	2.43	165	0.01	9	410	2	<5	46	0.05	17	5</	

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
324 <63um	4	10	<5	0.24	<0.2	<5	10	4	8.56	<0.5	5	10	6	0.56	0.02	<10	2.62	124	0.01	2	400	2	<5	46	0.04	11	<5	8
332 <63um	<2	<2	<5	0.73	<0.2	<5	30	<2	6.72	<0.5	7	27	9	1.04	0.07	<10	2.63	145	0.01	10	450	6	<5	40	0.07	20	<5	16
334 <63um	<2	<2	<5	0.42	<0.2	<5	10	<2	8.95	<0.5	8	18	11	0.93	0.05	<10	2.48	179	0.01	8	450	8	<5	55	0.06	18	<5	17
335 <63um	<2	<2	<5	1.06	<0.2	<5	40	<2	2.07	<0.5	7	27	6	1.19	0.07	<10	1.26	165	0.01	10	340	4	<5	21	0.08	23	<5	18
336 <63um	<2	<2	<5	0.99	<0.2	<5	30	<2	0.41	<0.5	8	31	50	1.65	0.04	30	0.41	273	0.01	15	560	6	<5	15	0.10	33	<5	19
337 <63um	<2	<2	<5	0.57	<0.2	<5	20	<2	6.74	<0.5	8	27	14	1.10	0.06	<10	2.06	190	0.01	12	460	4	<5	43	0.07	21	<5	18
338 <63um	<2	<2	<5	0.67	<0.2	<5	20	<2	5.33	<0.5	6	24	7	0.99	0.07	<10	2.84	151	0.01	11	500	6	<5	31	0.06	19	<5	14
339 <63um	4	<2	<5	0.61	<0.2	10	20	2	4.89	<0.5	9	22	15	1.08	0.05	<10	2.57	188	0.01	15	510	6	<5	30	0.06	19	<5	15
340 <63um	<2	<2	<5	1.03	<0.2	<5	30	<2	0.43	<0.5	6	27	8	1.42	0.07	10	0.37	140	0.01	12	370	6	<5	14	0.09	25	<5	19
8061 <63um	6	2	5	0.84	<0.2	<5	30	2	9.36	<0.5	5	27	15	1.23	0.12	<10	3.12	224	0.02	10	490	4	5	60	0.09	25	<5	21
8064 <63um	2	2	5	0.57	<0.2	<5	20	<2	9.51	<0.5	5	17	9	0.90	0.08	<10	3.46	170	0.01	9	460	<2	<5	58	0.07	18	<5	17
8065 <63um	4	2	5	0.61	<0.2	<5	30	<2	8.73	<0.5	5	17	11	0.92	0.08	<10	3.40	171	0.01	8	430	<2	5	52	0.07	18	<5	16
8066 <63um	2	2	5	0.66	<0.2	<5	30	<2	9.11	<0.5	5	19	10	0.96	0.09	<10	3.47	178	0.02	10	440	<2	<5	55	0.08	19	<5	16
8067 <63um	6	2	5	0.36	<0.2	<5	10	<2	7.96	<0.5	6	15	5	0.85	0.04	<10	3.58	162	0.01	6	490	2	5	44	0.07	17	<5	11

Location Map G:

7 <63um	16	6	10	3.19	0.2	<5	120	<2	0.57	<0.5	24	131	48	3.27	0.28	10	1.94	505	0.05	55	620	36	<5	18	0.17	66	5	54
8 <63um	10	4	<5	0.99	<0.2	10	70	<2	0.46	<0.5	9	52	36	1.71	0.16	20	0.73	254	0.02	27	590	8	<5	17	0.11	38	<5	25
9 <63um	2	<2	<5	1.72	<0.2	10	120	<2	0.37	<0.5	14	72	39	2.36	0.23	20	0.83	328	0.02	39	510	12	<5	18	0.14	53	<5	30
10 <63um	2	<2	<5	0.74	<0.2	20	50	<2	0.75	<0.5	12	46	31	1.74	0.12	20	0.60	194	0.02	25	600	<2	5	13	0.09	39	<5	33
11 <63um	<2	<2	<5	0.38	<0.2	<5	20	<2	6.36	<0.5	8	24	10	0.86	0.07	<10	2.27	124	0.01	5	430	6	5	38	0.07	20	<5	12
12 <63um	<2	<2	<5	0.49	<0.2	<5	30	<2	7.21	<0.5	7	24	13	0.83	0.06	<10	2.07	142	0.01	8	430	4	10	41	0.07	18	<5	11
45 <63um	<2	<2	<5	0.53	0.2	<5	30	2	7.32	<0.5	7	21	13	0.90	0.08	<10	2.29	160	0.01	10	440	<2	<5	48	0.08	19	<5	14
46 <63um	6	<2	5	0.55	<0.2	<5	40	<2	4.96	<0.5	7	30	14	1.08	0.11	<10	1.72	145	0.01	15	500	<2	<5	35	0.08	24	<5	17
58 <63um	<2	<2	5	0.60	<0.2	<5	50	<2	7.53	<0.5	6	25	13	0.98	0.08	<10	2.49	156	0.02	9	450	6	<5	49	0.07	20	<5	16
59 <63um	2	2	5	0.55	0.2	<5	40	<2	8.30	<0.5	6	20	9	0.90	0.09	<10	2.65	149	0.02	7	450	8	<5	54	0.07	18	<5	14
60 <63um	<2	<2	5	0.52	0.2	<5	20	<2	8.41	<0.5	7	21	11	0.89	0.05	<10	2.73	164	0.01	8	480	4	5	54	0.08	19	<5	13
146 <63um	<2	<2	<5	0.53	<0.2	<5	20	<2	8.28	<0.5	7	19	10	0.84	0.09	<10	2.68	155	0.02	6	430	<2	<5	50	0.07	17	10	13
147 <63um	2	<2	<5	0.58	<0.2	<5	20	<2	6.95	<0.5	9	24	13	0.87	0.07	<10	2.72	160	0.01	6	460	10	<5	41	0.08	19	5	12
148 <63um	2	<2	<5	0.36	<0.2	10	10	<2	6.06	<0.5	5	18	8	0.74	0.06	<10	2.10	115	0.01	4	440	<2	<5	36	0.06	16	5	11
149 <63um	<2	<2	<5	0.35	<0.2	<5	10	<2	7.82	<0.5	6	16	7	0.67	0.06	<10	2.48	127	0.01	1	430	2	<5	46	0.06	14	<5	9
150 <63um	<2	<2	<5	1.22	0.4	5	120	<2	2.55	<0.5	33	81	111	2.78	0.59	30	1.45	386	0.02	67	1090	44	<5	21	0.12	54	10	151
8063 <63um	2	2	5	1.27	<0.2	<5	100	<2	3.28	0.5	26	79	129	3.13	0.47	50	1.68	384	0.02	76	1210	56	<5	26	0.13	56	<5	186
151 <63um	<2	<2	<5	0.41	<0.2	<5	20	<2	4.89	<0.5	8	25	17	1.04	0.07	<10	1.69	142	0.01	11	530	<2	<5	32	0.07	23	<5	20
8062 <63um	2	2	5	0.43	<0.2	<5	30	<2	6.64	<0.5	5	26	18	1.26	0.06	<10	2.40	151	0.01	14	650	4	<5	43	0.09	28	<5	23
152 <63um	<2	<2	<5	1.30	0.4	<5	50	<2	0.42	<0.5	16	51	25	2.19	0.12	30	0.56	302	0.01	35	670	18	<5	18	0.13	45	<5	44

Location Map H:

3 <63um	<2	<2	5	0.48	<0.2	<5	20	<2	9.02	<0.5	11	27	11	1.05	0.08	<10	2.41	277	0.01	11	450	2	5	53	0.07	21	<5	19
4 <63um	<2	4	<5	0.43	<0.2	<5	20	<2	7.08	<0.5	8	19	17	0.95	0.08	<10	2.11	158	0.01	10	480	4	5	43	0.07	19	<5	16
5 <63um	<2	4	<5	0.97	<0.2	15	70	<2	7.96	<0.5	10	34	18	1.35	0.21	<10	2.20	249	0.02	12	430	<2	10	51	0.10	25	<5	26
13 <63um	2	<2	<5	0.63	<0.2	<5	40	<2	8.40	<0.5	11	35	19	1.20	0.14	<10	2.74	231	0.01	14	400	<2	10	49	0.08	24	5	25
14 <63um	2	4	<5	0.29	<0.2	10	10	<2	6.72	<0.5	7	15	8	0.76	0.03	<10	2.55	156	0.01	4	490	<2	5	38	0.07	16	<5	10
15 <63um	2	<2	<5	0.48	<0.2	<5	20	<2	8.18	<0.5	7	19	14	0.81	0.06	<10	2.57	166	0.01	2	400	<2	10	49	0.07	16	<5	14
16 <63um	2	<2	<5	0.32	<0.2	<5	10	<2	7.65	<0.5	7	17	9	0.80	0.04	<10	2.66	151	0.01	4	470	2	10	44	0.06	17	<5	12
17 <63um	<2	2	5	0.47	<0.2	<5	20	<2	8.74	<0.5	8	18	10	0.75	0.05	<10	2.94	159	0.01	5	410	4	10	50	0.07	15	<5	13
18 <63um	<2	<2	<5	0.43	<0.2	<5	10	<2	9.47	<0.5	8	17	11	0.73	0.06	<10	3.05	166	0.01	5	390	<2	5	55	0.06	14	<5	12
19 <63um	<2	<2	<5	0.37	<0.2	<5	10	<2	8.99	<0.5	8	23	13	0.93	0.04	<10	2.40	236	0.01	7	450	2	5	52	0.06	19	<5	15
20 <63um	<2	<2	<5	0.50	<0.2	<5	20	<2	8.86	<0.5	7	20	9	0.83	0.07	<10	2.74	168	0.01	3	400	<2	5	53	0.06	17	<5	16
21 <63um	<2	<2	<5	0.56	<0.2	<5	20	<2	8.84	<0.5	8	20	11	0.88	0.08	<10	2.62	184	0.01	5	410	<2	5	54	0.07	17	<5	17
23 <63um	<2	<2	<5	0.62	<0.2	<5	30	<2	9.44	<0.5	9	22	13	0.95	0.08	<10	2.43	215	0.01	7	390	<2	5	59	0.07	19	<5	19
24 <63um	<2	<2	<5	0.64	0.2	<5	30	2	9.47	<0.5	8	18	13	1.03	0.09	<10	2.53	226	0.01	8	470	4	<5	61	0.07	19	<5	19
25 <63um	<2	<2	<5	1.01	0.2	<5	50	<2	10.25	<0.5	7	28	14	1.37	0.17	<10	2.47	305	0.02	15	400	6	<5	69	0.08	24	<5	28

<63um	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
54 <63um	<2	<2	<5	0.58	0.2	<5	20	2	8.94	<0.5	7	17	12	0.98	0.09	<10	2.85	203	0.01	7	450	12	<5	53	0.06	19	<5	17
55 <63um	<2	<2	<5	0.30	0.2	<5	10	<2	8.51	<0.5	6	12	6	0.73	0.03	<10	2.69	149	0.01	5	450	2	<5	52	0.06	15	<5	11
56 <63um	<2	<2	<5	0.43	0.2	<5	10	<2	9.11	<0.5	6	13	9	0.79	0.06	<10	2.91	160	0.01	5	430	6	<5	55	0.06	15	<5	14
68 <63um	2	<2	<5	0.44	0.2	<5	20	<2	9.24	<0.5	6	14	8	0.80	0.06	<10	2.74	172	0.01	6	430	6	<5	56	0.06	16	<5	12
69 <63um	<2	<2	5	0.53	0.2	<5	20	2	7.73	<0.5	6	17	13	0.90	0.07	<10	2.27	171	0.01	8	430	2	5	49	0.07	17	<5	16
70 <63um	<2	<2	<5	0.69	<0.2	<5	30	2	8.07	<0.5	7	19	13	1.10	0.12	<10	2.23	203	0.01	9	420	<2	<5	52	0.08	21	<5	20
71 <63um	<2	<2	<5	0.54	0.2	<5	20	<2	8.56	<0.5	7	15	10	0.88	0.08	<10	2.55	184	0.01	7	430	4	5	54	0.07	17	<5	16
72 <63um	<2	<2	<5	0.46	0.2	<5	20	<2	9.01	<0.5	7	15	8	0.84	0.07	<10	2.58	191	0.01	6	430	6	<5	56	0.06	16	<5	15
73 <63um	<2	<2	<5	0.47	0.4	<5	20	2	9.02	<0.5	6	15	9	0.85	0.07	<10	2.61	175	0.01	7	440	6	<5	56	0.06	16	<5	16
74 <63um	6	2	5	0.74	0.4	<5	40	2	9.69	<0.5	7	19	15	1.14	0.14	<10	2.54	235	0.02	8	450	2	5	63	0.08	21	<5	23
75 <63um	<2	<2	<5	0.40	0.2	<5	10	2	8.03	<0.5	6	13	6	0.73	0.06	<10	2.52	156	0.01	4	430	<2	5	51	0.06	14	<5	11
76 <63um	6	6	5	0.71	0.4	<5	30	2	4.62	<0.5	7	20	8	1.15	0.13	<10	1.97	194	0.01	8	470	2	<5	33	0.08	20	<5	21
77 <63um	10	<2	<5	0.70	0.2	<5	30	2	7.62	<0.5	7	22	11	1.07	0.12	<10	2.33	207	0.01	10	470	8	<5	51	0.08	20	<5	18
78 <63um	<2	2	5	0.58	0.2	<5	30	<2	6.97	<0.5	7	20	12	1.07	0.08	<10	2.33	194	0.01	10	460	4	<5	43	0.07	20	<5	18
79 <63um	<2	6	5	0.35	0.2	<5	20	<2	7.60	<0.5	5	13	10	0.76	0.05	<10	2.26	166	0.01	6	420	4	<5	45	0.06	15	<5	14
80 <63um	<2	2	<5	0.31	0.4	<5	10	<2	8.40	<0.5	5	12	8	0.69	0.04	<10	2.56	143	0.01	4	430	2	<5	49	0.05	13	<5	11
81 <63um	<2	6	5	0.64	0.2	<5	50	2	8.78	<0.5	7	21	13	1.06	0.13	<10	2.47	182	0.01	10	440	2	<5	55	0.07	20	<5	18
82 <63um	<2	<2	5	0.52	0.2	<5	30	2	8.84	<0.5	7	17	11	0.89	0.10	<10	2.53	184	0.01	7	430	<2	5	55	0.07	17	<5	15
83 <63um	<2	4	<5	0.57	0.2	<5	40	<2	8.12	<0.5	8	22	13	0.98	0.15	<10	2.22	184	0.01	11	420	2	<5	52	0.07	18	<5	18
84 <63um	<2	2	5	0.43	0.2	<5	20	<2	8.16	<0.5	6	15	9	0.82	0.07	<10	2.41	148	0.01	6	420	2	<5	51	0.06	15	<5	13
85 <63um	4	<2	<5	0.93	<0.2	<5	60	<2	0.39	<0.5	7	36	34	1.69	0.29	<30	0.46	198	0.01	27	460	2	<5	13	0.10	29	<5	31
86 <63um	<2	<2	<5	0.58	0.2	<5	30	<2	6.58	<0.5	7	20	14	1.05	0.10	<10	2.06	189	0.01	10	470	2	<5	42	0.07	19	<5	19
87 <63um	<2	<2	<5	0.76	0.2	<5	30	2	5.45	<0.5	7	23	11	1.20	0.12	<10	2.14	176	0.02	10	500	<2	<5	35	0.08	22	<5	21
88 <63um	<2	<2	<5	0.46	<0.2	5	10	<2	6.70	<0.5	8	20	13	0.86	0.06	<10	2.35	131	0.01	7	440	2	5	39	0.06	18	<5	14
89 <63um	<2	<2	<5	0.51	<0.2	5	20	<2	6.61	<0.5	7	20	9	0.83	0.05	<10	2.61	125	0.01	7	450	<2	5	38	0.07	17	<5	11
90 <63um	<2	<2	<5	0.95	0.2	<5	50	<2	6.31	<0.5	10	34	25	1.54	0.15	<10	1.86	285	0.02	14	510	<2	5	47	0.10	28	<5	30
91 <63um	<2	4	<5	0.74	0.2	15	30	<2	7.01	<0.5	8	27	15	1.15	0.10	<10	2.15	229	0.01	11	420	8	5	48	0.08	22	<5	21
92 <63um	<2	<2	<5	0.55	<0.2	5	20	<2	6.44	<0.5	11	35	36	1.25	0.05	<10	2.27	197	0.01	17	460	<2	5	40	0.08	23	<5	44
93 <63um	<2	<2	<5	0.31	<0.2	<5	10	<2	7.07	<0.5	8	20	19	0.87	0.04	<10	2.29	141	0.01	1	440	6	5	42	0.06	17	<5	15
109 <63um	14	<2	<5	0.83	0.2	<5	40	2	10.54	<0.5	8	23	9	1.16	0.16	<10	3.02	265	0.02	10	400	4	<5	68	0.07	20	<5	23
110 <63um	<2	<2	5	0.81	0.2	<5	40	2	10.72	<0.5	8	21	9	1.15	0.15	<10	2.92	256	0.02	11	380	8	<5	66	0.06	20	<5	23

Location Map I:

57 <63um	<2	<2	5	0.66	0.2	<5	40	2	9.62	<0.5	7	19	14	1.04	0.11	<10	2.61	221	0.01	8	470	6	5	61	0.07	19	<5	21
814 <63um	2	2	5	0.83	<0.2	<5	30	2	10.43	<0.5	4	22	10	1.21	0.14	<10	3.01	279	0.02	12	450	2	<5	66	0.08	25	<5	23
815 <63um	2	2	5	1.18	<0.2	<5	40	<2	12.07	<0.5	7	30	16	1.54	0.22	<10	3.47	201	0.02	16	460	4	5	75	0.09	29	<5	32
816 <63um	6	2	5	0.70	<0.2	<5	30	<2	10.00	<0.5	5	22	9	1.01	0.13	<10	3.65	221	0.02	11	440	8	5	61	0.07	20	<5	19
817 <63um	6	2	5	0.84	<0.2	<5	40	<2	10.94	<0.5	5	26	10	1.15	0.17	<10	3.55	261	0.02	13	420	6	<5	68	0.07	21	<5	24
818 <63um	2	2	5	0.87	<0.2	<5	40	<2	10.28	<0.5	5	28	11	1.15	0.15	<10	3.37	244	0.02	15	430	8	5	67	0.08	22	<5	24
819 <63um	2	2	5	0.41	<0.2	<5	20	<2	9.48	<0.5	4	14	6	0.67	0.06	<10	3.56	138	0.02	9	410	8	<5	56	0.06	14	<5	10
820 <63um	2	2	5	0.34	<0.2	<5	10	<2	8.89	<0.5	3	12	6	0.63	0.04	<10	3.19	124	0.02	6	400	<2	<5	53	0.06	13	<5	10
821 <63um	2	2	5	1.12	<0.2	<5	50	<2	8.05	<0.5	4	35	13	1.40	0.19	<10	2.84	253	0.02	17	470	6	<5	56	0.10	27	<5	29

Location Map J:

101 <63um	<2	2	10	0.91	0.2	<5	40	<2	11.49	0.5	11	28	12	1.28	0.18	<10	3.14	270	0.02	12	400	2	<5	71	0.08	23	5	29
102 <63um	<2	6	<5	0.87	<0.2	10	30	<2	11.65	<0.5	11	29	15	1.33	0.14	<10	2.94	250	0.02	8	410	14	<5	69	0.08	24	5	26
103 <63um	<2	<2	<5	0.94	0.2	10	30	<2	10.96	<0.5	12	36	45	1.31	0.16	<10	2.68	257	0.02	14	430	18	<5	68	0.08	25	5	32
104 <63um	<2	<2	<5	0.86	0.4	<5	40	2	11.77	<0.5	8	23	11	1.21	0.15	<10	2.80	292	0.02	11	420	2	<5	80	0.07	21	<5	24
107 <63um	<2	<2	<5	1.34	0.2	<5	60	2	10.13	<0.5	8	30	13	1.66	0.33	<10	2.35	301	0.03	15	430	2	<5	80	0.07	27	5	36
111 <63um	<2	<2	5	0.95	0.2	5	40	2	8.87	<0.5	8	28	13	1.36	0.16	<10	2.70	273	0.02	12	430	2	<5	59	0.08	24	<5	28
112 <63um	<2	<2	<5	0.87	0.2	<5	30	2	11.64	<0.5	8	21	10	1.17	0.16	<10	3.14	272	0.01	11	370	8	<5	71	0.06	21	5	23
113 <63um	<2	<2	<5	0.58	0.2	<5	20	2	10.77	<0.5	8	16	8	0.93	0.10	<10	2.95	215	0.01	7	360	4	<5	65	0.06	16	<5	18
114 <63um	2	6	5	0.88	0.2	<5	40	<2	11.09	<0.5	8	23	11	1.25	0.17	<10	2.94	283	0.02	11	410	<2	<5	71	0.07	22	5	25

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
Hole A:																													
1001	1.0	4	<2	<5	0.65	<0.2	<5	20	<2	7.77	<0.5	8	21	13	1.08	0.09	<10	2.13	216	0.02	9	370	2	<5	52	0.08	18	<5	21
1002	2.1	2	<2	<5	0.53	<0.2	<5	20	<2	8.34	<0.5	6	19	11	0.88	0.09	<10	2.55	190	0.02	7	380	<2	<5	56	0.07	16	<5	15
1003	4.5	4	<2	<5	0.55	<0.2	<5	30	<2	8.23	<0.5	6	20	11	0.87	0.10	<10	2.45	194	0.02	8	390	<2	<5	56	0.06	16	<5	15
1004	5.5	4	<2	<5	0.43	<0.2	<5	20	<2	8.52	<0.5	1	17	7	0.74	0.07	<10	2.52	172	0.01	5	360	<2	5	58	0.06	13	<5	11
1005	6.5	2	<2	10	0.40	<0.2	<5	20	<2	8.33	<0.5	4	16	8	0.77	0.06	<10	2.44	177	0.02	5	330	<2	<5	50	0.06	16	<5	12
1006	7.5	2	<2	<5	0.57	<0.2	<5	30	<2	8.07	<0.5	6	33	9	1.00	0.13	<10	2.27	209	0.02	11	360	<2	<5	53	0.07	19	10	17
Hole C:																													
1007	1.0	2	<2	<5	0.30	<0.2	<5	10	<2	6.77	<0.5	4	11	7	0.66	0.03	<10	2.52	147	0.01	4	380	<2	<5	39	0.05	13	<5	11
1008	4.3	4	<2	5	0.27	<0.2	<5	10	<2	7.65	<0.5	4	10	10	0.68	0.03	<10	2.38	154	0.01	4	360	<2	<5	45	0.05	13	<5	12
1009	6.5	2	<2	10	0.49	<0.2	<5	20	<2	8.33	<0.5	7	21	15	1.02	0.08	<10	2.15	215	0.02	9	370	4	<5	53	0.07	18	5	20
1010	7.8	2	<2	<5	0.56	<0.2	<5	30	<2	8.54	<0.5	5	20	10	1.06	0.12	<10	2.21	204	0.02	8	360	2	<5	54	0.07	19	15	17
1011	9.0	2	<2	<5	0.92	<0.2	<5	50	<2	8.01	<0.5	7	30	15	1.42	0.22	<10	2.05	269	0.03	12	370	2	<5	59	0.09	25	15	27
1012	10.0	4	<2	<5	0.79	<0.2	<5	50	<2	7.64	<0.5	6	28	12	1.22	0.17	<10	1.93	238	0.03	12	350	2	<5	57	0.08	22	15	24
1013	11.5	4	<2	15	0.90	<0.2	<5	50	<2	8.88	<0.5	6	34	14	1.39	0.20	<10	2.31	268	0.03	13	390	4	<5	67	0.09	25	10	27
1014	12.5	4	<2	<5	0.88	<0.2	<5	50	<2	8.53	<0.5	5	32	13	1.27	0.18	<10	2.22	252	0.03	12	330	<2	<5	66	0.08	23	10	23
1015	13.5	2	<2	<5	0.88	<0.2	<5	50	<2	8.71	<0.5	6	34	13	1.32	0.18	<10	2.28	260	0.03	13	370	<2	<5	70	0.09	24	10	23
Hole D:																													
1016	1.0	4	<2	<5	0.61	<0.2	<5	30	<2	10.36	<0.5	5	17	13	0.96	0.09	<10	2.68	224	0.02	7	380	2	<5	62	0.08	18	5	19
1017	2.0	2	<2	10	0.56	<0.2	<5	20	<2	9.66	<0.5	4	16	10	0.87	0.10	<10	2.72	200	0.02	6	350	<2	<5	59	0.07	17	5	18
1018	3.0	2	<2	10	0.59	<0.2	<5	30	<2	10.15	<0.5	4	16	10	0.95	0.10	<10	2.65	208	0.02	7	360	<2	<5	62	0.07	17	5	18
1019	4.0	<2	<2	5	0.51	<0.2	<5	20	<2	9.49	<0.5	5	18	14	0.88	0.09	<10	2.55	199	0.02	7	350	<2	<5	58	0.07	17	5	18
1020	5.0	2	<2	10	0.50	<0.2	<5	20	<2	9.81	<0.5	4	15	9	0.82	0.08	<10	2.66	194	0.02	6	350	<2	<5	59	0.07	16	5	15
1021	6.3	<2	<2	5	0.46	<0.2	<5	20	<2	10.23	<0.5	3	14	7	0.74	0.08	<10	2.89	188	0.02	5	330	<2	<5	62	0.07	15	<5	13
1022	7.5	<2	<2	10	0.39	<0.2	<5	20	<2	9.19	<0.5	3	12	6	0.73	0.06	<10	2.62	173	0.02	5	350	<2	<5	54	0.06	14	<5	11
1023	8.5	2	<2	25	0.33	<0.2	<5	10	<2	8.64	<0.5	3	10	5	0.65	0.05	<10	2.45	160	0.01	5	320	<2	<5	51	0.05	13	<5	9
1024	9.5	2	<2	5	0.41	<0.2	<5	20	<2	10.32	<0.5	3	16	7	0.78	0.07	<10	2.80	190	0.02	6	360	<2	<5	61	0.06	15	5	13
1025	10.8	2	2	15	0.65	<0.2	<5	30	<2	6.67	<0.5	6	24	10	1.04	0.14	<10	1.84	201	0.03	8	300	<2	<5	49	0.07	18	10	20
1026	12.0	4	<2	<5	0.72	<0.2	<5	40	<2	6.91	<0.5	6	29	14	1.21	0.16	<10	1.77	229	0.02	11	330	2	<5	48	0.07	21	5	23
1027	13.0	6	<2	<5	0.74	<0.2	<5	40	<2	6.92	<0.5	5	30	12	1.18	0.16	<10	1.80	227	0.02	12	320	<2	<5	48	0.07	21	5	22
1028	14.0	6	<2	<5	0.82	<0.2	<5	40	<2	7.63	<0.5	6	30	13	1.33	0.17	<10	1.94	246	0.03	13	360	2	<5	55	0.08	24	5	24
1029	15.0	4	<2	<5	0.81	<0.2	<5	40	<2	7.19	<0.5	6	31	14	1.29	0.17	<10	1.81	244	0.02	11	340	<2	<5	54	0.08	23	5	23
1030	16.0	2	<2	<5	0.93	<0.2	<5	50	<2	8.40	<0.5	6	28	14	1.37	0.20	<10	2.21	264	0.03	12	380	2	<5	62	0.09	26	10	26
1031	17.0	2	<2	<5	0.80	<0.2	<5	40	<2	7.93	<0.5	6	27	12	1.21	0.17	<10	2.00	235	0.02	11	350	4	<5	58	0.08	23	5	23
1032	18.0	2	<2	10	0.82	<0.2	<5	40	<2	7.63	<0.5	7	38	14	1.35	0.18	<10	1.92	254	0.04	12	360	<2	<5	56	0.08	24	10	25
1033	19.0	4	<2	<5	0.83	<0.2	<5	50	<2	8.91	<0.5	6	31	14	1.29	0.17	<10	2.32	262	0.03	12	380	4	<5	64	0.08	23	10	24
1034	20.0	4	<2	<5	0.82	<0.2	<5	50	<2	8.84	<0.5	5	27	13	1.23	0.17	<10	2.38	257	0.03	12	370	2	<5	64	0.08	23	5	24
1035	21.0	2	<2	<5	0.80	<0.2	<5	50	<2	8.89	<0.5	6	28	12	1.24	0.17	<10	2.37	259	0.03	11	360	<2	<5	64	0.07	22	5	25
1036	22.0	2	<2	10	0.87	<0.2	<5	50	<2	9.35	<0.5	6	34	14	1.36	0.19	<10	2.49	274	0.03	13	380	<2	<5	70	0.08	24	10	26
1037	23.0	<2	<2	<5	0.87	<0.2	<5	50	<2	9.54	<0.5	6	36	14	1.36	0.18	<10	2.48	277	0.03	12	380	2	<5	70	0.08	24	5	26
1038	24.0	<2	<2	<5	1.00	<0.2	<5	50	<2	9.78	<0.5	6	36	15	1.49	0.20	<10	2.60	301	0.04	14	410	<2	<5	74	0.09	27	10	27
1039	25.0	<2	<2	<5	0.79	<0.2	<5	40	<2	8.91	<0.5	5	27	14	1.27	0.14	<10	2.30	260	0.03	11	360	2	<5	64	0.08	23	5	21
1040	26.0	<2	<2	<5	0.78	<0.2	<5	40	<2	9.21	<0.5	5	27	15	1.26	0.14	<10	2.40	264	0.03	10	390	<2	<5	64	0.08	24	5	21
1041	27.0	4	<2	10	0.85	<0.2	<5	40	<2	10.05	<0.5	6	30	16	1.38	0.15	<10	2.63	293	0.03	11	410	<2	<5	69	0.09	26	5	24
1042	28.0	4	<2	15	0.66	<0.2	<5	20	<2	8.48	<0.5	6	42	16	1.39	0.09	<10	2.19	271	0.03	11	350	<2	<5	60	0.07	24	10	18
1043	29.0	6	<2	10	0.69	<0.2	<5	20	<2	8.43	<0.5	7	44	19	1.54	0.08	<10	2.00	283	0.04	14	360	<2	<5	60	0.08	27	15	18
1044	30.0	2	<2	<5	0.86	<0.2	<5	30	<2	9.76	<0.5	9	45	24	1.68	0.09	<10	2.15	323	0.05	15	360	<2	<5	68	0.09	32	10	21
1045	31.0	2	<2	10	0.70	<0.2	<5	20	<2	8.47	<0.5	7	37	18	1.54	0.09	<10	1.94	296	0.03	13	350	<2	<5	58	0.08	26	10	21
1046	32.0	4	<2	<5	0.78	<0.2	<5	30	<2	10.08	<0.5	8	40	18	1.58	0.11	<10	2.36	320	0.03	14	380	2	<5	66	0.09	28	25	23
1047	35.5	2	<2	5	0.64	<0.2	<5																						

<63	Depth	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
m																													
1049	43.5	2	<2	<5	0.78	<0.2	<5	50	<2	9.40	<0.5	7	39	18	1.53	0.22	<10	2.62	290	0.05	14	420	4	<5	74	0.11	29	20	25
1050	45.0	4	<2	<5	0.50	<0.2	<5	20	<2	10.36	<0.5	4	36	11	1.04	0.09	<10	2.75	219	0.02	8	340	4	<5	65	0.07	18	10	14
1051	46.0	2	<2	10	0.53	<0.2	<5	20	<2	11.78	<0.5	5	40	11	1.10	0.10	<10	3.07	235	0.02	8	370	2	<5	72	0.07	19	10	16
1052	47.0	2	<2	5	0.29	<0.2	<5	10	<2	11.09	<0.5	3	19	7	0.70	0.06	<10	3.26	169	0.02	4	350	<2	<5	62	0.05	14	5	10
1053	48.0	<2	<2	10	0.28	<0.2	<5	10	<2	11.05	<0.5	3	16	6	0.61	0.05	<10	3.40	166	0.02	4	330	4	<5	61	0.05	12	10	9
1054	49.0	<2	<2	<5	0.26	<0.2	<5	10	<2	11.08	<0.5	3	16	6	0.58	0.05	<10	3.41	162	0.02	2	330	<2	<5	62	0.05	11	5	9
1055	50.0	<2	<2	5	0.28	<0.2	<5	10	<2	11.22	<0.5	3	17	6	0.59	0.06	<10	3.47	165	0.02	4	330	<2	<5	63	0.05	12	5	9
1056	51.0	4	<2	10	0.32	<0.2	<5	10	<2	11.43	<0.5	3	16	6	0.65	0.07	<10	3.49	175	0.02	3	340	2	<5	65	0.05	13	5	15
1057	52.0	2	<2	10	0.31	<0.2	<5	10	<2	10.95	<0.5	3	16	7	0.65	0.05	<10	3.50	179	0.02	4	330	<2	<5	62	0.05	13	5	10
1058	53.5	6	2	<5	2.30	<0.2	5	20	<2	4.71	<0.5	20	99	60	4.09	0.08	<10	2.11	889	0.04	44	440	4	<5	52	0.17	75	35	68
1059	55.0	4	2	10	2.27	<0.2	55	20	<2	3.82	<0.5	23	112	64	4.59	0.05	<10	1.73	1007	0.03	52	440	4	<5	46	0.14	76	30	79
1060	56.0	2	2	<5	2.49	<0.2	25	20	<2	2.99	<0.5	27	83	48	5.25	0.07	<10	1.50	1066	0.03	42	670	6	5	41	0.13	64	35	80
1061	59.5	<2	<2	10	1.97	<0.2	5	20	<2	3.39	<0.5	22	83	61	3.96	0.04	<10	1.52	918	0.02	46	400	4	<5	47	0.11	64	25	76
Hole E:																													
1062	0.5	<2	<2	5	0.28	<0.2	<5	10	<2	8.38	<0.5	4	16	7	0.78	0.04	<10	2.59	145	0.01	4	460	4	<5	48	0.06	17	5	10
1063	2.0	<2	<2	<5	0.27	<0.2	<5	10	<2	6.97	<0.5	4	17	9	0.70	0.04	<10	2.01	140	0.02	3	370	2	<5	41	0.05	15	5	10
1064	5.3	<2	<2	10	0.58	<0.2	<5	30	<2	9.32	<0.5	5	24	11	1.00	0.11	<10	2.50	226	0.02	6	400	2	<5	58	0.08	20	10	18
1065	6.8	<2	<2	5	0.57	<0.2	<5	30	<2	8.98	<0.5	5	22	9	0.93	0.12	<10	2.52	209	0.02	7	370	4	<5	56	0.08	20	5	16
1066	8.0	2	<2	<5	0.57	<0.2	<5	30	<2	8.75	<0.5	5	19	8	0.96	0.11	<10	2.67	203	0.02	6	430	<2	<5	60	0.07	18	<5	17
1067	9.0	4	<2	<5	0.55	<0.2	<5	30	<2	8.67	<0.5	6	20	8	0.94	0.11	<10	2.63	198	0.02	8	400	2	<5	59	0.07	18	<5	15
1068	10.0	2	<2	<5	0.65	<0.2	<5	40	<2	8.13	<0.5	6	26	10	1.02	0.14	<10	2.52	209	0.02	10	380	4	<5	61	0.07	19	5	17
1069	11.0	<2	<2	15	0.75	<0.2	<5	40	<2	7.76	<0.5	6	30	12	1.15	0.16	<10	2.40	222	0.03	10	400	2	<5	63	0.08	21	5	20
1070	12.0	4	<2	<5	0.82	<0.2	<5	50	<2	8.18	<0.5	7	40	13	1.29	0.19	<10	2.47	241	0.03	13	370	2	<5	66	0.08	23	5	21
1071	13.0	2	<2	5	0.93	<0.2	<5	60	<2	7.16	<0.5	8	43	13	1.38	0.29	<10	2.17	234	0.04	13	340	4	<5	61	0.09	24	10	22
1072	14.0	12	2	5	0.93	<0.2	<5	60	<2	8.48	<0.5	8	37	13	1.34	0.21	<10	2.57	257	0.03	12	410	<2	<5	70	0.10	25	5	22
1073	15.0	2	<2	15	0.91	<0.2	<5	60	<2	8.28	<0.5	8	38	15	1.37	0.21	<10	2.50	257	0.03	12	400	2	<5	69	0.09	27	5	22
1074	16.0	2	2	10	0.96	<0.2	<5	80	<2	8.04	<0.5	7	39	18	1.42	0.27	<10	2.49	263	0.04	13	430	4	<5	68	0.10	26	5	26
1075	17.0	2	2	40	1.03	<0.2	<5	60	<2	8.41	<0.5	8	42	16	1.46	0.24	<10	2.52	276	0.04	14	410	2	<5	72	0.10	27	5	24
1076	19.0	4	2	5	0.96	<0.2	<5	60	<2	8.56	<0.5	8	37	13	1.34	0.22	<10	2.52	264	0.04	11	400	<2	<5	73	0.09	25	5	22
1077	20.0	4	2	5	0.89	<0.2	<5	50	<2	5.55	<0.5	16	24	15	1.10	0.23	<10	1.69	197	0.09	9	290	6	<5	57	0.08	19	65	21
1078	21.0	2	2	20	0.84	<0.2	<5	50	<2	7.95	<0.5	9	31	13	1.26	0.19	<10	2.41	246	0.03	11	420	4	<5	66	0.08	23	5	22
1079	22.0	2	2	5	0.92	<0.2	<5	60	<2	8.35	<0.5	8	33	13	1.30	0.21	<10	2.55	258	0.03	13	410	<2	<5	72	0.09	24	5	22
1080	23.0	4	2	40	0.97	<0.2	<5	60	<2	8.75	<0.5	7	34	13	1.35	0.22	<10	2.63	266	0.04	12	410	6	<5	74	0.09	25	5	24
1081	24.0	8	2	20	0.93	<0.2	<5	60	<2	8.07	<0.5	7	34	12	1.25	0.21	<10	2.44	248	0.04	12	380	6	<5	70	0.09	24	5	21
1082	25.0	8	2	5	1.03	<0.2	<5	60	<2	8.75	<0.5	7	35	13	1.37	0.24	<10	2.66	269	0.04	14	410	6	<5	76	0.10	26	5	23
1083	26.0	8	2	5	1.01	<0.2	<5	60	<2	8.87	<0.5	7	33	13	1.37	0.23	<10	2.71	271	0.04	11	410	2	<5	77	0.10	26	5	24
1084	27.0	4	2	5	1.02	<0.2	<5	60	<2	8.98	<0.5	7	34	13	1.38	0.23	<10	2.74	273	0.04	14	490	<2	<5	78	0.09	26	<5	24
1085	28.0	4	2	5	0.92	<0.2	<5	60	<2	8.38	<0.5	7	34	13	1.26	0.21	<10	2.55	249	0.04	18	410	<2	<5	73	0.08	23	5	22
1086	29.0	8	2	5	0.90	<0.2	<5	60	<2	8.51	<0.5	7	36	13	1.29	0.20	<10	2.56	254	0.04	12	380	4	<5	73	0.08	24	5	22
1087	30.0	8	2	5	0.81	<0.2	<5	50	<2	8.13	<0.5	7	32	12	1.19	0.18	<10	2.43	236	0.03	11	380	4	<5	68	0.07	21	5	20
1088	31.0	4	2	10	0.79	<0.2	<5	50	<2	9.14	<0.5	6	29	11	1.16	0.17	<10	2.67	243	0.03	10	400	4	<5	74	0.08	21	5	20
1089	32.0	12	2	40	0.58	<0.2	<5	30	<2	10.66	<0.5	6	21	9	0.98	0.11	<10	2.87	232	0.03	8	400	2	<5	82	0.08	18	5	15
1090	33.0	4	2	30	0.56	<0.2	<5	30	<2	9.50	<0.5	5	20	8	0.98	0.11	<10	2.76	219	0.02	6	370	2	<5	72	0.08	17	5	14
1091	34.0	4	2	5	0.75	<0.2	<5	40	<2	10.01	1.5	7	28	11	1.29	0.16	<10	3.16	273	0.03	10	420	6	<5	77	0.09	22	5	19
1092	35.0	2	2	5	1.00	<0.2	<5	60	<2	8.32	<0.5	7	43	16	1.45	0.21	<10	2.56	269	0.04	14	400	8	<5	72	0.08	24	5	27
1093	36.0	2	<2	<5	0.83	<0.2	<5	50	<2	7.95	<0.5	6	35	13	1.23	0.17	<10	2.49	234	0.03	11	360	2	<5	66	0.07	21	5	20
1094	37.5	2	<2	<5	1.13	<0.2	<5	70	<2	8.43	<0.5	8	42	21	1.56	0.26	<10	2.69	287	0.04	16	430	4	<5	75	0.10	27	5	29
1095	38.5	2	2	30	1.21	<0.2	<5	100	<2	6.37	<0.5	7	44	71	1.84	0.43	<10	2.22	315	0.08	17	500	<2	<5	61	0.12	31	<5	31
1096	39.5	8	2	20	1.14	<0.2	<5	70	<2	6.12	<0.5	7	60	16	1.75	0.31	<10	2.16	309	0.09	19	870	2	<5	66	0.14	37	<5	29
1097	43.5	2	2	5	1.33	0.2	20	30	<2	4.65	<0.5	19	59	41	3.32	0.11	<10	1.78	585	0.03	41	580	2	<5	66	0.08	37	10	60
1098	44.5																												

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
Hole F:																													
1101	0.5	2	<2	<5	0.40	<0.2	<5	20	<2	7.38	<0.5	5	15	9	0.74	0.05	<10	2.61	161	0.01	6	360	4	<5	49	0.05	13	<5	12
1102	1.5	4	8	15	0.70	<0.2	<5	30	<2	8.07	<0.5	7	25	12	1.09	0.13	<10	2.45	241	0.02	10	390	4	<5	56	0.07	19	<5	19
1103	2.5	2	<2	<5	0.83	<0.2	<5	40	<2	7.33	<0.5	8	30	14	1.21	0.16	<10	2.20	258	0.02	13	390	2	<5	52	0.08	21	<5	21
1104	3.5	8	2	5	0.98	<0.2	<5	50	<2	8.60	<0.5	8	35	15	1.42	0.20	<10	2.59	293	0.03	13	430	4	5	63	0.09	26	<5	25
1105	4.5	8	2	20	1.17	<0.2	<5	60	<2	9.02	<0.5	9	44	18	1.70	0.23	<10	2.74	312	0.03	18	480	<2	<5	72	0.11	30	<5	29
1106	5.5	8	2	10	0.96	<0.2	<5	60	<2	8.54	<0.5	8	36	13	1.39	0.22	<10	2.52	273	0.03	13	420	<2	<5	69	0.10	26	<5	24
1107	6.5	4	2	5	0.94	<0.2	<5	60	<2	8.36	<0.5	9	38	14	1.37	0.22	<10	2.42	267	0.03	13	420	<2	<5	69	0.09	25	<5	24
1108	7.3	8	2	5	0.99	<0.2	<5	60	<2	8.64	<0.5	8	37	13	1.36	0.22	<10	2.49	271	0.03	14	400	4	<5	72	0.09	25	<5	24
1109	8.0	16	2	5	1.03	<0.2	<5	60	<2	8.98	<0.5	8	35	13	1.39	0.22	<10	2.62	280	0.03	13	430	<2	<5	75	0.09	26	<5	25
1110	8.8	4	2	20	1.05	<0.2	<5	60	<2	7.99	<0.5	8	40	13	1.44	0.25	<10	2.37	279	0.03	15	410	4	<5	73	0.09	26	<5	25
Hole G:																													
1111	0.5	8	2	5	0.60	<0.2	<5	30	<2	8.76	<0.5	6	19	11	0.91	0.11	<10	2.77	198	0.02	7	390	<2	<5	60	0.08	17	<5	15
1112	1.5	4	2	5	0.68	<0.2	<5	30	<2	7.95	<0.5	7	26	12	1.08	0.14	<10	2.40	213	0.02	9	380	<2	5	55	0.08	19	<5	20
1113	2.5	4	2	5	0.92	<0.2	<5	50	<2	6.83	<0.5	8	32	16	1.48	0.25	<10	2.08	276	0.04	14	480	6	5	54	0.11	25	<5	28
1114	3.5	4	2	5	0.84	<0.2	<5	40	<2	7.96	<0.5	7	31	14	1.28	0.18	<10	2.32	263	0.02	11	400	<2	<5	59	0.09	22	<5	22
1115	4.5	2	2	5	0.89	<0.2	<5	50	<2	8.65	<0.5	8	33	15	1.39	0.19	<10	2.48	273	0.03	14	460	<2	5	65	0.10	25	<5	23
1116	5.5	2	2	5	0.85	<0.2	<5	50	<2	8.55	<0.5	7	33	14	1.31	0.19	<10	2.43	255	0.03	13	430	2	5	66	0.09	24	<5	22
1117	6.5	2	2	5	0.84	<0.2	<5	50	<2	8.40	<0.5	8	31	12	1.26	0.19	<10	2.42	250	0.02	14	410	<2	<5	65	0.09	24	<5	21
1118	7.5	4	2	5	0.86	<0.2	<5	50	<2	8.43	<0.5	8	35	14	1.32	0.19	<10	2.43	255	0.03	14	430	2	<5	66	0.09	24	<5	21
1119	8.3	8	2	5	1.01	<0.2	<5	50	<2	8.50	<0.5	9	38	14	1.49	0.22	<10	2.52	275	0.03	15	440	<2	<5	70	0.10	27	<5	25
Hole H:																													
1120	1.0	4	2	5	0.84	<0.2	<5	40	<2	8.30	<0.5	8	30	17	1.25	0.14	<10	2.54	244	0.02	11	430	<2	5	59	0.09	23	<5	22
1121	2.5	4	2	10	0.89	<0.2	<5	50	<2	8.08	<0.5	9	30	18	1.30	0.18	<10	2.53	262	0.03	12	420	<2	<5	59	0.10	25	<5	24
1122	3.5	8	2	5	0.89	<0.2	<5	50	<2	8.73	<0.5	9	32	16	1.32	0.21	<10	2.53	267	0.02	13	500	4	5	68	0.09	25	<5	23
1123	4.5	2	2	10	0.85	<0.2	<5	40	<2	7.81	<0.5	8	44	14	1.37	0.17	<10	2.25	246	0.05	15	400	<2	<5	60	0.12	28	<5	21
1124	5.5	2	<2	10	0.76	<0.2	<5	40	<2	8.57	<0.5	9	32	13	1.20	0.17	<10	2.53	235	0.03	10	420	<2	5	63	0.09	21	<5	19
1125	6.5	2	2	20	0.76	<0.2	<5	40	<2	8.51	<0.5	7	31	12	1.17	0.17	<10	2.47	232	0.03	10	400	<2	<5	65	0.09	22	<5	18
1126	7.5	2	2	30	0.74	<0.2	<5	40	<2	8.19	<0.5	9	39	15	1.26	0.17	<10	2.40	232	0.03	12	400	<2	<5	65	0.08	22	15	35
1127	8.5	2	2	5	0.82	<0.2	<5	40	<2	8.77	<0.5	9	40	13	1.34	0.19	<10	2.56	250	0.03	14	420	<2	<5	70	0.09	23	<5	22
1128	9.5	2	2	5	0.88	<0.2	<5	60	<2	8.69	<0.5	8	38	14	1.38	0.23	<10	2.52	261	0.04	13	420	<2	<5	72	0.09	24	<5	27
1129	10.5	8	2	10	0.77	<0.2	<5	40	<2	8.86	<0.5	7	33	14	1.21	0.18	<10	2.58	241	0.03	11	430	<2	<5	70	0.09	22	<5	19
1130	11.5	2	2	20	0.70	<0.2	<5	40	<2	8.61	<0.5	7	28	10	1.08	0.16	<10	2.45	223	0.02	8	380	<2	<5	68	0.08	20	<5	17
1131	12.5	8	2	30	0.77	<0.2	<5	40	<2	9.02	<0.5	7	32	12	1.17	0.17	<10	2.64	245	0.03	9	390	<2	<5	70	0.09	21	<5	19
1132	13.5	8	2	20	0.70	<0.2	<5	40	<2	9.03	<0.5	7	29	11	1.11	0.15	<10	2.57	234	0.03	11	400	2	<5	69	0.09	21	<5	18
1133	14.5	8	2	10	0.71	<0.2	<5	40	<2	8.79	<0.5	7	29	11	1.13	0.15	<10	2.57	231	0.02	11	390	<2	<5	67	0.08	21	<5	20
1134	15.5	4	2	10	0.72	<0.2	<5	40	<2	8.55	<0.5	6	33	12	1.16	0.16	<10	2.51	235	0.02	11	400	2	<5	66	0.08	21	<5	18
1135	16.5	2	2	20	0.95	<0.2	<5	50	<2	8.59	<0.5	9	42	15	1.45	0.21	<10	2.44	274	0.03	14	400	2	5	69	0.10	26	<5	24
1136	17.5	2	<2	<5	1.07	<0.2	<5	100	2	8.39	<0.5	9	57	19	1.73	0.31	<10	2.45	301	0.04	18	500	<2	<5	71	0.12	32	<5	29
1137	18.5	4	2	10	0.92	<0.2	<5	60	<2	8.57	<0.5	8	41	16	1.40	0.21	<10	2.47	268	0.03	14	430	<2	<5	69	0.09	25	<5	26
1138	19.5	2	<2	<5	1.06	<0.2	<5	60	2	9.39	<0.5	9	42	15	1.49	0.24	<10	2.71	291	0.03	15	450	<2	<5	77	0.10	28	<5	26
1139	20.5	6	2	5	0.96	<0.2	<5	50	<2	8.77	<0.5	8	41	14	1.39	0.22	<10	2.52	270	0.03	14	410	2	5	72	0.09	25	<5	23
1140	21.5	4	<2	10	0.94	<0.2	<5	50	<2	8.68	<0.5	8	37	13	1.34	0.21	<10	2.51	266	0.03	15	410	<2	<5	70	0.09	25	<5	24
1141	22.5	<2	<2	10	1.01	<0.2	<5	60	<2	9.02	<0.5	9	39	14	1.45	0.22	<10	2.66	282	0.03	14	440	2	<5	74	0.10	27	<5	25
1142	23.5	<2	<2	<5	0.96	<0.2	<5	60	<2	8.38	<0.5	8	37	13	1.35	0.22	<10	2.43	268	0.03	14	410	<2	<5	70	0.09	25	<5	23
1143	24.5	<2	<2	<5	1.01	<0.2	<5	60	<2	8.73	<0.5	8	42	14	1.42	0.23	<10	2.51	278	0.03	12	400	<2	<5	74	0.10	26	<5	24
1144	25.5	<2	<2	5	0.97	<0.2	<5	60	<2	8.60	<0.5	9	37	13	1.36	0.23	<10	2.47	271	0.03	13	430	<2	<5	72	0.09	25	<5	24
1145	26.5	2	<2	<5	0.92	<0.2	<5	50	<2	8.33	<0.5	7	34	12	1.30	0.20	<10	2.42	261	0.03	12	410	<2	<5	69	0.09	24	<5	22
1146	27.5	4	<2	<5	0.97	<0.2	5	50	<2	7.95	<0.5	8	34	14	1.37	0.18	<10	2.46	276	0.03	13	410	<2	<5	67	0.08	25	<5	24

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
Hole I:																													
1147	0.5	2	<2	<5	0.91	<0.2	<5	40	<2	7.63	<0.5	8	30	14	1.25	0.15	<10	2.51	241	0.02	11	430	<2	<5	55	0.09	22	<5	21
1148	1.5	4	<2	10	0.85	<0.2	<5	40	<2	8.66	<0.5	7	28	13	1.21	0.17	<10	2.57	247	0.02	13	410	2	<5	63	0.09	22	<5	22
1149	2.5	4	<2	<5	0.86	<0.2	<5	40	<2	8.42	<0.5	8	32	15	1.28	0.18	<10	2.40	285	0.02	13	430	<2	5	69	0.10	23	<5	23
1150	3.5	<2	<2	<5	0.87	<0.2	<5	40	<2	8.13	<0.5	8	31	16	1.31	0.21	<10	2.48	265	0.03	11	400	4	<5	61	0.10	25	5	24
1151	4.5	6	<2	<5	0.87	<0.2	<5	50	<2	9.33	<0.5	8	31	12	1.28	0.21	<10	2.88	251	0.03	12	450	<2	<5	70	0.09	24	5	21
1152	5.5	2	<2	<5	0.74	<0.2	<5	40	<2	8.56	<0.5	6	27	11	1.10	0.17	<10	2.62	225	0.02	10	410	<2	<5	64	0.08	21	<5	19
1153	6.5	4	<2	<5	0.79	<0.2	<5	40	<2	8.94	<0.5	7	30	11	1.18	0.18	<10	2.72	237	0.02	12	430	2	<5	68	0.09	22	5	20
1154	7.5	2	<2	10	0.66	<0.2	<5	40	<2	8.69	<0.5	6	29	15	1.08	0.16	<10	2.63	214	0.03	9	410	2	<5	68	0.08	20	5	21
1155	8.5	4	<2	<5	0.70	<0.2	<5	40	<2	9.45	<0.5	7	44	15	1.27	0.15	<10	2.76	235	0.03	12	450	4	<5	74	0.09	22	5	22
1156	9.5	4	<2	5	0.61	<0.2	<5	30	<2	9.16	<0.5	6	26	9	1.00	0.13	<10	2.71	215	0.02	9	410	<2	<5	68	0.08	18	<5	16
1157	10.5	4	<2	15	0.58	<0.2	<5	30	<2	9.10	<0.5	7	24	10	0.95	0.12	<10	2.84	208	0.02	9	420	<2	<5	67	0.07	18	<5	15
1158	11.5	2	<2	<5	0.64	<0.2	<5	40	<2	9.06	<0.5	6	28	11	1.06	0.13	<10	2.74	226	0.02	10	410	<2	<5	67	0.06	18	<5	18
1159	12.5	6	<2	10	0.57	<0.2	<5	40	<2	9.09	<0.5	6	24	11	0.99	0.12	<10	2.77	216	0.02	9	410	<2	<5	65	0.06	17	5	17
1160	13.5	<2	2	15	0.37	<0.2	<5	20	<2	7.81	<0.5	5	18	8	0.74	0.07	<10	2.34	158	0.01	8	360	<2	<5	53	0.04	13	5	11
1161	14.5	<2	<2	25	0.45	<0.2	<5	20	<2	8.36	<0.5	6	17	8	0.81	0.09	<10	2.74	188	0.02	7	410	2	<5	58	0.06	15	<5	14
1162	15.5	2	<2	15	0.85	<0.2	<5	50	<2	8.44	<0.5	7	30	13	1.28	0.19	<10	2.56	260	0.02	12	410	<2	<5	67	0.08	23	<5	23
1163	16.5	2	2	10	0.96	<0.2	<5	60	<2	8.43	<0.5	8	43	15	1.44	0.21	<10	2.47	273	0.03	16	410	2	<5	70	0.09	25	5	24
1164	17.5	4	2	5	1.02	<0.2	<5	60	<2	8.82	<0.5	7	38	15	1.44	0.24	<10	2.65	282	0.03	14	420	<2	<5	73	0.10	27	5	25
1165	18.5	4	<2	10	0.99	<0.2	<5	60	<2	9.04	<0.5	8	38	15	1.41	0.23	<10	2.67	273	0.03	14	450	<2	<5	73	0.10	27	<5	24
1166	19.5	2	<2	15	0.90	<0.2	<5	60	<2	9.19	<0.5	8	37	15	1.36	0.21	<10	2.73	269	0.03	13	440	2	<5	72	0.08	24	5	23
1167	20.5	2	<2	<5	0.88	<0.2	<5	60	<2	8.68	<0.5	8	35	14	1.31	0.20	<10	2.60	259	0.03	12	410	<2	<5	69	0.08	23	5	22
1168	21.5	16	<2	15	0.84	<0.2	<5	50	<2	8.30	<0.5	6	31	13	1.23	0.19	<10	2.46	244	0.03	11	390	<2	<5	67	0.08	22	5	22
1169	22.5	2	<2	10	0.83	<0.2	<5	60	<2	8.74	<0.5	8	34	14	1.26	0.19	<10	2.58	255	0.03	12	420	<2	<5	70	0.07	22	5	22
1170	23.5	2	<2	<5	0.76	<0.2	<5	50	<2	8.37	<0.5	7	28	13	1.16	0.17	<10	2.50	242	0.02	12	390	<2	<5	65	0.06	19	5	21
1171	24.5	2	<2	5	0.80	<0.2	<5	50	<2	8.45	<0.5	8	30	13	1.23	0.18	<10	2.49	251	0.03	12	420	<2	<5	67	0.07	21	5	22
1172	25.5	2	2	5	0.79	<0.2	<5	50	<2	8.02	<0.5	6	30	13	1.18	0.18	<10	2.37	241	0.03	12	360	<2	<5	65	0.07	20	5	21
1173	26.5	4	<2	<5	0.92	<0.2	<5	60	<2	9.40	<0.5	8	32	14	1.34	0.21	<10	2.80	277	0.03	13	440	<2	<5	74	0.08	23	5	25
1174	27.5	2	<2	5	0.94	<0.2	<5	60	<2	9.41	<0.5	8	32	14	1.36	0.21	<10	2.80	281	0.03	14	440	4	<5	75	0.08	24	5	25
1175	28.5	2	<2	<5	0.87	<0.2	<5	50	<2	8.80	<0.5	8	30	13	1.28	0.19	<10	2.62	260	0.03	13	420	2	<5	70	0.08	23	<5	24
1176	29.5	<2	<2	<5	0.97	<0.2	<5	60	<2	8.97	<0.5	7	31	13	1.34	0.22	<10	2.71	274	0.03	13	440	4	<5	73	0.09	24	5	24
1177	30.5	4	<2	10	0.94	<0.2	<5	60	<2	8.54	<0.5	7	30	13	1.30	0.21	<10	2.60	263	0.03	12	410	<2	<5	71	0.08	23	5	23
1178	31.5	<2	<2	<5	0.97	<0.2	<5	60	<2	8.74	<0.5	8	32	13	1.34	0.21	<10	2.66	270	0.03	14	420	<2	<5	73	0.08	24	5	25
1179	33.0	<2	<2	<5	0.96	<0.2	<5	60	<2	8.04	<0.5	8	35	13	1.33	0.22	<10	2.44	258	0.04	13	400	2	<5	68	0.08	24	5	23
1180	36.5	4	<2	<5	1.29	<0.2	5	60	<2	2.30	<0.5	12	42	25	2.70	0.38	20	1.13	378	0.08	27	440	6	<5	51	0.10	28	10	50
1181	37.5	4	2	5	1.50	<0.2	15	60	<2	2.74	<0.5	15	59	34	2.99	0.23	10	1.28	403	0.07	36	460	4	<5	64	0.09	34	10	46
1182	40.0	6	2	<5	0.88	<0.2	<5	40	<2	6.42	<0.5	8	48	21	1.99	0.11	<10	1.97	312	0.02	21	460	4	<5	67	0.07	24	5	25
1183	41.0	4	<2	<5	0.98	<0.2	10	40	<2	7.61	<0.5	8	50	20	1.98	0.13	<10	2.28	329	0.03	22	480	<2	<5	75	0.07	25	5	26
1184	42.0	4	<2	<5	0.88	<0.2	<5	40	<2	7.32	<0.5	9	43	20	1.83	0.10	<10	2.17	313	0.02	20	440	<2	<5	69	0.07	24	5	23
1185	43.0	14	<2	<5	1.01	<0.2	20	40	<2	7.17	<0.5	8	60	23	2.07	0.11	<10	2.30	331	0.03	24	490	6	<5	79	0.06	25	5	27
1186	44.0	2	<2	<5	0.26	<0.2	<5	10	<2	8.15	<0.5	5	14	4	0.72	0.03	<10	2.62	160	0.01	4	400	<2	<5	56	0.03	12	<5	8
1187	45.0	<2	<2	<5	0.24	<0.2	5	10	<2	7.97	<0.5	1	11	4	0.58	0.03	<10	2.55	153	0.01	4	370	<2	<5	54	0.03	11	<5	7
1188	46.0	<2	<2	<5	0.25	<0.2	<5	10	<2	7.93	<0.5	4	13	4	0.62	0.03	<10	2.54	159	0.01	4	380	2	<5	55	0.03	12	<5	7
Hole J:																													
1189	1.3	4	<2	<5	0.47	<0.2	<5	20	<2	8.37	<0.5	5	17	11	0.88	0.06	<10	2.79	180	0.01	7	420	2	<5	54	0.06	16	<5	12
1190	2.5	<2	<2	10	0.57	<0.2	<5	20	<2	9.14	<0.5	6	19	11	0.88	0.09	<10	2.91	190	0.02	8	380	<2	<5	62	0.07	16	<5	16
1191	3.3	<2	<2	10	0.66	<0.2	<5	30	<2	7.93	<0.5	7	20	11	1.03	0.12	<10	2.55	218	0.03	8	490	2	<5	62	0.09	17	5	21
1192	4.0	<2	<2	<5	0.81	<0.2	<5	40	<2	10.19	<0.5	8	35	12	1.24	0.17	<10	3.00	253	0.03	13	440	4	<5	78	0.09	23	<5	20
1193	5.0	<2	<2	10	0.73	<0.2	<5	40	<2	9.36	<0.5	6	33	12	1.16	0.16	<10	2.70	229	0.03	9	400	<2	<5	73	0.08	20	5	18
1194	6.0	<2	<2	5	0.74	<0.2	<5	40	<2	9.10	<0.5	7	32	12	1.16	0.17	<10	2.76</											

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
1197	9.0	4	<2	<5	0.80	<0.2	<5	50	<2	9.16	<0.5	7	35	12	1.23	0.19	<10	2.79	243	0.03	12	430	4	<5	73	0.08	22	5	20
1198	10.0	<2	<2	10	0.85	<0.2	<5	50	<2	9.26	<0.5	7	34	12	1.24	0.20	<10	2.82	247	0.03	12	430	2	<5	75	0.09	23	5	20
1199	11.0	4	<2	<5	0.79	<0.2	<5	50	<2	8.83	<0.5	7	34	11	1.19	0.18	<10	2.62	237	0.03	10	410	<2	<5	71	0.08	22	5	20
1200	12.0	2	<2	<5	0.78	<0.2	<5	40	<2	8.92	<0.5	8	30	12	1.17	0.17	<10	2.67	239	0.03	10	410	<2	<5	70	0.08	21	5	20
1201	13.0	2	<2	<5	0.95	<0.2	<5	60	<2	9.08	<0.5	8	40	14	1.39	0.22	<10	2.67	271	0.03	15	450	<2	<5	73	0.09	26	<5	24
1202	14.0	2	<2	10	0.98	<0.2	<5	60	<2	8.36	<0.5	8	47	14	1.45	0.24	<10	2.42	268	0.04	15	450	<2	<5	69	0.09	26	5	24
1203	15.0	<2	<2	<5	1.04	<0.2	<5	60	<2	9.09	<0.5	8	44	15	1.46	0.24	<10	2.63	279	0.04	16	510	<2	<5	74	0.10	27	5	25
1204	16.0	2	<2	<5	1.03	<0.2	<5	60	<2	8.74	<0.5	8	48	18	1.50	0.23	<10	2.51	277	0.04	15	430	<2	<5	75	0.10	27	5	25
1205	17.0	2	<2	<5	1.00	<0.2	<5	60	<2	8.95	<0.5	8	37	13	1.37	0.23	<10	2.60	269	0.03	14	430	<2	<5	73	0.10	26	5	23
1206	18.0	4	<2	<5	1.05	<0.2	<5	60	<2	9.10	<0.5	8	41	14	1.44	0.24	<10	2.63	279	0.04	14	440	<2	<5	77	0.10	27	5	24
1207	19.0	<2	<2	10	1.07	<0.2	<5	60	<2	9.13	<0.5	8	37	14	1.43	0.25	<10	2.70	279	0.03	15	440	<2	<5	76	0.10	28	5	25
1208	20.0	2	<2	<5	0.96	<0.2	<5	50	<2	8.43	<0.5	8	34	13	1.33	0.22	<10	2.46	261	0.03	13	410	<2	<5	70	0.09	25	5	23
1209	21.0	<2	<2	<5	1.03	<0.2	<5	60	<2	8.72	<0.5	8	36	14	1.42	0.24	<10	2.57	274	0.04	13	430	<2	<5	73	0.10	27	5	24
1210	22.0	<2	<2	<5	1.04	<0.2	<5	60	<2	8.74	<0.5	8	34	14	1.40	0.25	<10	2.60	274	0.04	13	420	2	<5	73	0.10	27	5	24
1211	23.0	<2	<2	15	1.05	<0.2	<5	60	<2	8.88	<0.5	7	41	13	1.44	0.25	<10	2.58	276	0.04	15	430	<2	<5	75	0.10	27	5	25
1212	24.0	<2	<2	<5	1.08	<0.2	<5	60	<2	8.90	<0.5	7	33	13	1.39	0.24	<10	2.65	278	0.03	15	430	<2	<5	76	0.10	27	5	25
1213	25.0	<2	<2	10	0.96	<0.2	<5	50	<2	8.55	<0.5	8	30	13	1.31	0.21	<10	2.53	264	0.03	12	420	2	<5	72	0.08	24	5	23
1214	26.0	2	<2	<5	0.82	<0.2	<5	50	<2	8.05	<0.5	7	29	13	1.21	0.17	<10	2.35	244	0.03	11	400	<2	<5	67	0.08	22	5	21
1215	27.0	2	<2	<5	0.82	<0.2	<5	50	<2	8.42	<0.5	7	31	14	1.24	0.17	<10	2.43	251	0.03	12	400	<2	<5	70	0.08	22	<5	21
1216	28.0	<2	<2	<5	0.76	<0.2	<5	40	<2	8.24	<0.5	8	31	15	1.23	0.14	<10	2.36	242	0.03	12	390	<2	<5	67	0.08	23	5	20
1217	29.0	<2	<2	15	0.76	<0.2	<5	40	<2	8.43	<0.5	8	32	14	1.24	0.13	<10	2.42	244	0.03	12	390	4	<5	67	0.08	22	5	19
1218	30.0	<2	<2	10	0.85	<0.2	<5	40	<2	8.75	<0.5	8	31	15	1.31	0.15	<10	2.54	265	0.03	12	410	<2	<5	72	0.09	24	5	20
1219	31.0	<2	<2	<5	0.84	<0.2	<5	40	<2	9.96	<0.5	6	30	14	1.31	0.16	<10	2.88	271	0.04	12	400	<2	<5	75	0.09	24	5	23
1220	32.0	<2	<2	10	0.77	<0.2	<5	40	<2	10.08	<0.5	6	29	12	1.13	0.16	<10	2.92	240	0.04	10	360	<2	<5	74	0.08	21	5	20
1221	33.0	<2	<2	5	0.86	<0.2	<5	50	<2	10.01	<0.5	6	29	12	1.20	0.17	<10	2.96	255	0.04	11	350	<2	<5	76	0.08	23	5	23
1222	34.0	<2	<2	5	0.80	<0.2	<5	40	<2	9.95	<0.5	5	28	11	1.15	0.15	<10	2.92	247	0.03	11	360	<2	<5	72	0.08	22	<5	21
1223	34.5	<2	<2	10	0.81	<0.2	<5	40	<2	10.30	<0.5	6	28	12	1.18	0.15	<10	2.98	260	0.03	10	360	<2	<5	74	0.09	23	<5	21
Hole K:																													
1224	1.0	4	<2	<5	0.39	<0.2	<5	10	<2	7.94	<0.5	4	12	9	0.78	0.04	<10	2.72	154	0.02	6	390	<2	<5	48	0.06	16	<5	11
1225	2.0	2	<2	15	0.87	<0.2	<5	40	<2	9.52	<0.5	6	28	15	1.25	0.17	<10	2.93	254	0.03	11	410	<2	<5	62	0.09	24	<5	23
1226	3.0	2	2	5	1.12	<0.2	<5	60	<2	9.11	<0.5	7	31	15	1.47	0.23	<10	2.58	287	0.03	14	390	2	<5	69	0.10	28	5	27
1227	4.0	2	<2	5	1.19	<0.2	<5	70	<2	9.19	<0.5	7	38	16	1.57	0.26	<10	2.57	307	0.05	15	400	<2	<5	75	0.11	31	5	31
1228	5.0	4	<2	<5	1.04	<0.2	<5	60	<2	8.93	<0.5	7	31	14	1.46	0.21	<10	2.54	293	0.03	16	400	<2	<5	71	0.09	27	5	28
1229	6.0	2	<2	<5	1.07	<0.2	<5	60	<2	9.24	<0.5	7	38	15	1.51	0.22	<10	2.61	299	0.04	15	410	<2	<5	73	0.09	28	5	28
1230	7.0	2	<2	5	1.06	<0.2	<5	70	<2	9.26	<0.5	7	41	35	1.55	0.23	<10	2.59	304	0.04	17	400	<2	<5	74	0.09	27	5	28
1231	8.0	4	<2	5	1.03	<0.2	<5	60	<2	8.25	<0.5	8	44	19	1.63	0.20	<10	2.43	310	0.04	19	380	<2	<5	67	0.09	27	5	29
1232	9.0	4	<2	<5	0.94	<0.2	<5	50	<2	8.03	<0.5	8	45	33	1.57	0.17	<10	2.35	302	0.03	20	380	<2	<5	64	0.07	25	5	28
1233	10.0	4	<2	5	1.02	<0.2	5	50	<2	8.67	<0.5	8	47	44	1.70	0.18	<10	2.54	324	0.03	24	400	<2	<5	70	0.08	27	5	31
1234	11.0	4	<2	10	1.01	<0.2	<5	50	<2	8.61	<0.5	8	42	22	1.60	0.19	<10	2.52	312	0.03	18	400	2	<5	69	0.08	27	5	28
1235	12.0	4	<2	10	1.04	<0.2	<5	50	<2	8.52	<0.5	7	39	19	1.54	0.20	<10	2.54	306	0.03	16	390	<2	<5	68	0.09	28	5	27
1236	13.0	4	<2	10	1.05	<0.2	<5	50	<2	8.37	<0.5	8	40	18	1.56	0.20	<10	2.50	306	0.03	18	390	<2	<5	67	0.09	28	5	28
1237	14.0	4	<2	15	1.04	<0.2	5	50	<2	7.48	<0.5	8	44	20	1.56	0.18	<10	2.24	309	0.03	18	380	2	<5	64	0.09	28	5	28
1238	15.0	2	<2	<5	1.21	<0.2	5	60	<2	8.12	<0.5	10	54	24	2.01	0.16	<10	2.38	342	0.03	23	450	4	<5	66	0.09	32	5	32
1239	16.5	4	<2	<5	1.32	<0.2	<5	80	<2	3.47	<0.5	12	59	38	2.37	0.21	10	1.53	365	0.04	32	570	2	<5	51	0.12	41	10	42
Hole L:																													
1240	0.5	4	<2	<5	0.82	<0.2	<5	40	<2	9.24	<0.5	6	28	15	1.21	0.13	<10	2.75	269	0.03	12	380	<2	<5	59	0.08	22	<5	22
1241	1.5	2	<2	5	0.61	<0.2	<5	30	<2	9.80	<0.5	5	19	10	1.11	0.12	<10	2.93	259	0.02	8	420	<2	<5	62	0.08	19	5	18
1242	2.5	4	<2	<5	0.75	<0.2	<5	30	<2	10.07	<0.5	6	25	12	1.14	0.14	<10	3.00	257	0.03	10	400	<2	<5	65	0.08	22	<5	21
1243	3.5	<2	<2	10	0.81	<0.2	<5	40	<2	8.75	<0.5	7	31	15	1.23	0.17	<10	2.75	251	0.03	15	390	<2	<5	57	0.09	24	10	23
1244	4.5	<2	<2	10	0.90	<0.2	<5	50	<																				

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
1246	6.5	2	<2	5	0.63	<0.2	<5	30	<2	10.19	<0.5	5	19	10	1.02	0.12	<10	3.00	230	0.02	9	380	<2	<5	69	0.08	20	<5	17
1247	7.5	2	<2	15	0.55	<0.2	<5	30	<2	10.08	<0.5	5	20	9	0.95	0.11	<10	2.96	213	0.02	7	370	<2	<5	68	0.07	18	<5	16
1248	8.5	<2	<2	10	0.72	<0.2	<5	40	<2	9.52	<0.5	6	31	11	1.15	0.15	<10	2.74	235	0.03	11	350	<2	<5	68	0.08	20	5	19
1249	9.5	4	<2	5	0.59	<0.2	<5	30	<2	9.32	<0.5	5	31	9	1.03	0.11	<10	2.61	217	0.02	10	350	<2	<5	64	0.07	18	<5	16
1250	10.5	2	<2	10	0.54	<0.2	<5	30	<2	9.62	<0.5	5	26	11	0.97	0.10	<10	2.72	216	0.02	10	360	<2	<5	64	0.06	17	<5	19
1251	11.5	2	<2	5	0.63	<0.2	<5	30	<2	9.48	<0.5	5	29	11	1.10	0.12	<10	2.59	243	0.02	11	360	<2	<5	67	0.07	19	<5	22
1252	12.5	2	<2	10	0.62	<0.2	<5	40	<2	10.31	<0.5	6	30	11	1.12	0.11	<10	2.63	242	0.03	11	360	<2	<5	69	0.06	18	5	18
1253	13.5	4	<2	<5	0.62	<0.2	<5	30	<2	9.63	<0.5	6	27	12	1.08	0.12	<10	2.68	234	0.03	11	350	<2	<5	65	0.06	18	<5	18
1254	14.5	2	<2	<5	0.73	<0.2	<5	40	<2	10.02	<0.5	5	29	11	1.17	0.14	<10	2.81	251	0.03	12	370	<2	<5	70	0.08	21	5	20
1255	15.5	2	<2	10	0.73	<0.2	<5	40	<2	10.57	<0.5	6	40	12	1.22	0.15	<10	2.66	249	0.03	12	360	<2	<5	70	0.08	21	5	20
1256	16.5	2	<2	<5	0.89	<0.2	<5	50	<2	9.95	<0.5	7	35	12	1.32	0.18	<10	2.75	279	0.03	12	380	2	<5	72	0.09	25	5	23
1257	17.5	2	<2	10	0.74	<0.2	<5	40	<2	8.55	<0.5	6	30	11	1.17	0.14	<10	2.49	246	0.03	11	360	<2	<5	61	0.07	22	<5	22
1258	18.5	<2	<2	<5	0.97	<0.2	<5	60	<2	8.34	<0.5	8	46	18	1.61	0.24	<10	2.26	299	0.05	15	490	2	<5	72	0.10	27	10	29
1259	19.5	4	<2	10	0.94	<0.2	<5	50	<2	9.44	<0.5	7	36	14	1.42	0.20	<10	2.61	290	0.04	15	410	<2	<5	69	0.09	26	<5	27
1260	20.5	6	<2	10	0.95	<0.2	<5	50	<2	9.57	<0.5	7	30	14	1.40	0.20	<10	2.65	290	0.03	13	400	<2	<5	70	0.09	27	<5	26
1261	21.5	2	<2	10	0.92	<0.2	<5	50	<2	9.08	<0.5	7	31	15	1.38	0.20	<10	2.54	276	0.04	13	400	<2	<5	66	0.09	26	5	25
1262	22.5	4	<2	<5	0.93	<0.2	<5	50	<2	9.27	<0.5	7	40	20	1.44	0.22	<10	2.53	283	0.04	15	400	<2	<5	67	0.10	27	<5	26
1263	23.5	4	<2	5	0.81	<0.2	<5	40	<2	8.54	<0.5	7	38	14	1.34	0.18	<10	2.36	262	0.03	13	390	2	<5	60	0.09	25	5	23
1264	24.5	2	<2	10	0.90	<0.2	<5	50	<2	9.49	<0.5	7	30	14	1.38	0.20	<10	2.72	279	0.03	13	420	<2	<5	67	0.09	27	<5	24
1265	25.5	2	<2	10	0.83	<0.2	<5	40	<2	9.38	<0.5	7	30	14	1.30	0.18	<10	2.72	263	0.03	13	430	<2	<5	65	0.09	25	<5	23

Hole M:

1266	0.5	4	<2	<5	0.63	<0.2	<5	30	<2	9.61	<0.5	5	20	12	1.00	0.11	<10	2.81	277	0.02	8	370	2	<5	58	0.07	19	<5	19
1267	1.5	4	<2	15	0.52	<0.2	<5	20	<2	10.03	<0.5	5	20	10	0.90	0.09	<10	2.82	238	0.02	6	380	<2	<5	60	0.07	17	<5	16
1268	2.5	2	2	<5	0.67	<0.2	<5	40	<2	8.92	<0.5	6	39	22	1.09	0.16	<10	2.58	253	0.02	13	420	4	<5	56	0.08	21	<5	19
1269	3.5	4	<2	<5	0.64	<0.2	<5	30	<2	10.02	<0.5	4	24	10	1.05	0.13	<10	2.77	242	0.02	8	360	<2	<5	62	0.07	20	<5	19
1270	4.5	4	<2	10	0.64	<0.2	<5	30	<2	9.79	<0.5	5	27	10	1.04	0.13	<10	2.71	235	0.02	8	360	2	<5	62	0.07	20	<5	19
1271	5.5	2	<2	10	0.65	<0.2	<5	30	<2	9.73	<0.5	5	28	10	1.06	0.14	<10	2.71	237	0.02	9	360	<2	<5	63	0.08	20	<5	19
1272	6.5	4	<2	10	0.80	<0.2	<5	50	<2	9.35	<0.5	6	34	16	1.32	0.22	<10	2.65	277	0.03	10	450	4	<5	63	0.09	24	<5	24
1273	7.5	8	2	5	0.71	<0.2	<5	40	<2	9.87	<0.5	5	29	12	1.16	0.16	<10	2.79	255	0.02	10	380	<2	<5	65	0.08	22	<5	20
1274	8.5	4	<2	<5	0.74	<0.2	<5	40	<2	9.98	<0.5	5	28	12	1.13	0.15	<10	2.70	254	0.03	9	370	<2	<5	69	0.08	22	<5	20
1275	9.5	4	<2	<5	0.74	<0.2	<5	40	<2	10.08	<0.5	5	27	11	1.12	0.15	<10	2.74	251	0.03	9	360	2	<5	69	0.08	22	<5	20
1276	10.5	2	<2	<5	0.75	<0.2	<5	40	<2	9.70	<0.5	5	27	11	1.14	0.16	<10	2.62	249	0.02	9	350	<2	<5	69	0.08	22	5	20
1277	11.5	2	<2	<5	0.71	<0.2	<5	40	<2	8.97	<0.5	5	23	10	1.09	0.15	<10	2.53	237	0.02	8	340	2	<5	64	0.08	21	<5	20
1278	12.5	4	<2	<5	0.73	<0.2	<5	50	<2	9.11	<0.5	5	26	11	1.17	0.15	<10	2.58	250	0.02	10	360	<2	<5	65	0.08	21	<5	22
1279	13.5	2	<2	<5	0.75	<0.2	<5	50	<2	8.36	<0.5	5	26	12	1.17	0.17	<10	2.30	238	0.02	10	330	2	<5	60	0.07	21	5	22
1280	14.5	2	<2	10	0.79	<0.2	<5	50	<2	8.54	<0.5	5	35	13	1.30	0.17	<10	2.35	253	0.03	11	360	4	<5	63	0.08	22	<5	22
1281	15.5	2	2	15	0.83	<0.2	<5	50	<2	9.06	<0.5	6	42	14	1.32	0.18	<10	2.44	263	0.03	12	370	<2	<5	66	0.08	24	5	22
1282	16.5	2	<2	<5	0.90	<0.2	<5	50	<2	8.78	<0.5	6	38	15	1.32	0.20	<10	2.39	266	0.03	12	360	2	<5	66	0.09	25	5	24
1283	17.5	4	2	5	0.83	<0.2	<5	40	<2	7.10	<0.5	6	30	12	1.16	0.20	<10	2.05	241	0.03	10	310	<2	<5	54	0.08	23	5	26
1284	18.5	<2	<2	<5	1.02	<0.2	<5	60	<2	9.04	<0.5	7	45	19	1.51	0.26	<10	2.52	287	0.04	16	380	<2	<5	67	0.10	29	<5	41
1285	19.5	8	2	20	0.93	<0.2	<5	50	<2	8.90	<0.5	6	39	14	1.40	0.21	<10	2.46	276	0.03	12	370	<2	<5	66	0.10	26	<5	24
1286	20.5	4	<2	5	0.82	<0.2	<5	40	<2	8.58	<0.5	6	32	14	1.25	0.18	<10	2.44	255	0.03	11	360	<2	<5	62	0.08	24	5	23
1287	23.0	4	<2	<5	0.71	<0.2	<5	40	<2	9.10	<0.5	6	27	12	1.14	0.15	<10	2.55	240	0.02	10	380	<2	<5	63	0.08	23	<5	20
1288	26.0	8	2	5	0.84	<0.2	<5	50	<2	8.97	<0.5	6	36	16	1.29	0.19	<10	2.58	262	0.03	12	390	<2	<5	66	0.09	25	<5	25

Hole N:

1289	0.5	8	<2	<5	0.63	<0.2	<5	30	<2	8.81	<0.5	5	21	12	0.93	0.07	<10	2.82	190	0.02	7	380	<2	<5	52	0.07	18	<5	16
1290	1.5	6	<2	<5	0.52	<0.2	<5	20	<2	9.60	<0.5	5	21	11	0.90	0.09	<10	2.83	214	0.02	7	370	2	<5	58	0.06	17	<5	17
1291	2.5	2	<2	<5	0.70	<0.2	5	30	<2	9.42	<0.5	6	26	14	1.14	0.13	<10	2.72	264	0.02	13	390	2	<5	59	0.07	21	5	22
1292	3.5	4	<2	<5	0.74	<0.2	<5	40	<2	9.41	<0.5	6	30	14	1.18	0.14	<10	2.68	262	0.02	10	370	<2	<5	61	0.08	22	<5	22
1293	4.5	2	2	5	0.63	<0.2	<5	30	<2	9.92	<0.5	5	28	11	1.05	0.14	<10	2.92	234	0.02	9	380	<2	<5	62	0.08	20	<5	18
1294	5.5	<2	<2	<5	0.63	<0.2	<5	30	<2	9.41	<0.5	5	28	10	1.01	0.13	<10	2.74	218	0.02	8	340	<2	<5	62	0.07	19	<5	17

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
1295	6.5	2	2	20	0.63	<0.2	<5	30	<2	9.81	<0.5	5	30	11	1.03	0.13	<10	2.78	233	0.02	10	330	<2	<5	65	0.07	19	5	17
1296	7.5	<2	<2	<5	0.76	<0.2	<5	40	<2	10.02	<0.5	6	29	12	1.15	0.15	<10	2.76	264	0.02	10	360	2	<5	68	0.08	21	<5	21
1297	8.5	2	<2	15	0.76	<0.2	<5	40	<2	10.05	<0.5	5	31	13	1.20	0.14	<10	2.83	272	0.02	11	380	2	<5	69	0.07	22	<5	23
1298	9.5	2	2	20	0.75	<0.2	5	40	<2	8.64	<0.5	6	38	15	1.32	0.12	<10	2.33	281	0.02	12	350	<2	<5	61	0.07	22	<5	22
1299	10.5	4	2	30	0.70	<0.2	15	40	<2	8.24	<0.5	6	26	15	1.22	0.09	<10	2.30	280	0.02	10	370	2	<5	56	0.07	22	<5	20
1300	11.5	2	<2	<5	0.76	<0.2	5	40	<2	8.73	<0.5	6	25	16	1.33	0.11	<10	2.37	357	0.02	10	390	<2	<5	58	0.08	25	<5	21
1301	12.5	44	<2	<5	1.43	<0.2	30	80	<2	1.92	<0.5	22	40	101	2.90	0.19	30	1.02	281	0.02	24	580	6	<5	44	0.12	46	5	28
1302	13.5	20	<2	10	1.05	<0.2	55	70	<2	3.02	<0.5	21	30	90	2.68	0.15	20	1.12	285	0.03	18	570	4	<5	58	0.09	35	10	22
Hole O:																													
8068	1.0	2	2	5	0.96	<0.2	<5	40	<2	8.49	<0.5	4	30	16	1.30	0.13	<10	2.91	217	0.02	12	470	6	<5	54	0.10	26	<5	23
8069	2.0	2	2	5	0.94	<0.2	<5	40	2	9.49	<0.5	8	34	14	1.40	0.19	<10	3.05	262	0.03	13	480	<2	5	63	0.10	27	<5	29
8070	3.3	4	2	5	0.91	<0.2	<5	40	<2	9.76	<0.5	4	34	12	1.39	0.18	<10	2.99	267	0.03	13	460	2	5	66	0.10	27	<5	27
8071	4.5	2	2	5	1.08	<0.2	<5	50	<2	8.45	<0.5	9	46	15	1.76	0.26	<10	2.67	332	0.05	19	440	4	<5	62	0.12	33	<5	35
8072	5.5	4	2	5	1.06	<0.2	<5	50	2	9.79	<0.5	3	40	13	1.56	0.22	<10	3.00	284	0.03	15	440	6	<5	70	0.11	30	<5	29
8073	6.5	4	2	5	0.91	<0.2	<5	50	4	9.84	<0.5	3	42	13	1.45	0.20	<10	3.16	263	0.03	14	470	<2	5	70	0.10	26	<5	26
8074	7.5	2	2	5	0.87	<0.2	<5	40	<2	9.51	<0.5	3	42	13	1.44	0.17	<10	2.93	246	0.04	14	450	4	<5	69	0.10	25	<5	23
8075	8.5	2	2	5	0.75	<0.2	<5	40	<2	9.27	<0.5	3	43	16	1.40	0.15	<10	2.78	238	0.03	13	430	2	<5	65	0.09	23	5	23
8076	10.0	2	2	5	0.70	<0.2	<5	40	<2	9.46	<0.5	4	31	10	1.21	0.13	<10	2.89	228	0.03	10	430	<2	<5	66	0.09	22	<5	21
8077	11.5	2	2	15	0.60	<0.2	10	30	<2	9.77	<0.5	3	30	9	1.11	0.12	<10	3.01	213	0.03	9	440	4	<5	66	0.08	20	<5	18
8078	12.5	2	2	5	0.74	<0.2	<5	30	<2	10.00	<0.5	3	34	11	1.29	0.13	<10	3.14	241	0.03	11	460	<2	<5	68	0.09	23	<5	22
8079	13.4	6	2	5	0.89	<0.2	<5	50	<2	9.51	<0.5	3	40	11	1.58	0.19	<10	2.96	312	0.03	15	470	2	<5	67	0.10	26	5	26
8080	14.1	2	2	5	0.51	<0.2	<5	20	<2	9.09	<0.5	5	21	7	0.98	0.10	<10	3.10	195	0.02	7	460	<2	5	58	0.08	19	5	15
8081	15.0	6	2	5	1.13	<0.2	<5	60	<2	9.68	<0.5	9	53	16	1.79	0.23	<10	2.99	323	0.03	17	450	<2	<5	71	0.10	31	10	31
8082	16.0	2	2	5	1.18	<0.2	<5	60	<2	9.90	<0.5	7	49	16	1.76	0.24	<10	2.98	319	0.03	17	470	<2	5	74	0.10	31	5	34
8083	17.0	2	2	5	1.10	<0.2	<5	60	2	9.59	<0.5	8	55	15	1.71	0.23	<10	2.75	301	0.04	17	440	4	5	71	0.10	29	5	30
8084	18.0	4	2	5	1.04	<0.2	<5	60	<2	9.31	<0.5	7	49	14	1.60	0.22	<10	2.70	282	0.03	15	440	<2	5	69	0.10	28	5	28
8085	19.0	2	2	5	1.07	<0.2	<5	60	<2	9.94	<0.5	7	46	15	1.63	0.22	<10	2.90	296	0.03	16	480	4	5	73	0.10	29	5	30
8086	20.0	2	2	5	1.04	<0.2	<5	60	2	9.52	<0.5	8	41	13	1.54	0.21	<10	2.76	281	0.03	14	430	4	<5	69	0.10	28	5	30
8087	21.0	6	2	5	1.05	<0.2	<5	50	<2	9.49	<0.5	4	38	12	1.52	0.21	<10	2.83	282	0.03	13	470	2	5	70	0.10	28	5	28
8088	22.0	2	2	5	0.99	<0.2	<5	60	<2	9.62	<0.5	4	39	13	1.53	0.20	<10	2.82	281	0.03	13	440	<2	<5	69	0.09	27	5	28
8089	23.0	2	2	5	0.94	<0.2	<5	50	<2	9.09	<0.5	4	34	12	1.45	0.19	<10	2.69	273	0.03	14	440	<2	5	65	0.08	25	10	30
8090	24.0	2	2	5	0.99	<0.2	<5	50	<2	9.54	<0.5	8	38	14	1.55	0.21	<10	2.84	286	0.03	13	430	<2	<5	69	0.09	26	<5	31
8091	25.0	2	2	5	1.04	<0.2	<5	60	<2	9.59	<0.5	4	36	13	1.56	0.22	<10	2.91	289	0.03	13	460	<2	5	70	0.10	28	5	31
8092	26.0	2	2	5	1.01	<0.2	<5	60	<2	9.35	<0.5	4	38	14	1.54	0.21	<10	2.82	284	0.03	12	450	2	<5	68	0.09	28	<5	30
8093	27.0	2	2	5	1.06	<0.2	<5	60	<2	9.20	<0.5	4	44	15	1.65	0.24	<10	2.74	294	0.03	16	450	<2	<5	69	0.10	29	5	31
8094	28.0	2	2	5	1.08	<0.2	<5	60	<2	9.68	<0.5	4	40	13	1.58	0.22	<10	2.89	293	0.03	12	450	4	<5	73	0.10	28	5	30
8095	29.0	2	2	5	1.16	<0.2	<5	60	2	10.26	<0.5	9	44	15	1.64	0.27	<10	2.78	310	0.04	16	510	8	<5	73	0.11	31	5	33
8096	30.0	2	2	5	1.07	<0.2	<5	60	2	9.84	<0.5	8	38	15	1.54	0.24	<10	2.64	294	0.04	15	470	12	<5	69	0.10	29	<5	31
8097	32.5	2	2	5	0.77	<0.2	10	20	<2	11.83	<0.5	9	39	25	1.57	0.11	<10	3.15	296	0.03	17	450	<2	<5	71	0.09	32	<5	28
8098	34.4	32	2	5	0.86	<0.2	25	40	2	10.42	<0.5	8	39	15	2.03	0.13	<10	3.00	271	0.03	15	490	8	<5	71	0.07	24	5	26
8099	35.5	4	2	5	1.88	0.4	25	50	<2	3.79	<0.5	22	176	46	4.25	0.21	10	1.60	500	0.08	55	560	10	<5	73	0.19	56	10	61
8100	36.5	10	2	5	1.98	0.4	20	50	<2	3.62	<0.5	31	204	50	4.50	0.20	10	1.62	518	0.08	62	550	8	<5	68	0.18	52	5	66
8101	37.5	4	2	5	2.21	0.2	20	50	<2	4.58	<0.5	22	147	59	3.74	0.20	<10	1.90	534	0.07	56	540	14	<5	90	0.22	61	10	65
8102	40.5	2	2	5	0.63	<0.2	5	30	<2	9.05	<0.5	8	29	12	1.35	0.10	<10	2.59	245	0.02	14	480	4	<5	70	0.06	18	<5	21
8103	41.7	2	2	5	0.70	<0.2	20	30	2	9.88	<0.5	8	32	13	1.43	0.12	<10	2.80	268	0.02	17	500	2	<5	75	0.05	18	<5	24
Hole P:																													
8104	1.0	2	2	5	0.73	<0.2	5	20	<2	7.97	<0.5	7	23	14	1.18	0.09	<10	2.76	204	0.02	9	530	4	<5	46	0.09	22	<5	22
8105	2.0	2	2	5	1.00	<0.2	<5	40	2	10.21	<0.5	8	37	17	1.48	0.17	<10	2.93	272	0.02	12	500	2	<5	61	0.10	27	<5	30
8106	3.0	2	2	5	0.84	<0.2	<5	30	<2	10.15	<0.5	8	31	14	1.31	0.15	<10	2.90	259	0.02	12	520	<2	<5	60	0.10	25	<5	26
8107	4.0	2	2	5	0.88	<0.2	5	40	<2	11.04	<0.5	8	31	16	1.44	0.16	<10	3.08	353	0.02	13	520	2	<5	64	0.10	26	<5	28
8108	5.0	2	2	5	0.71	<0.2																							

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
8109	6.0	2	2	5	0.96	<0.2	<5	50	<2	11.16	<0.5	8	42	13	1.50	0.20	<10	2.99	279	0.03	14	500	2	<5	70	0.10	27	<5	27
8110	7.0	2	2	5	0.95	<0.2	5	50	2	11.44	<0.5	8	41	13	1.48	0.19	<10	3.12	282	0.03	13	520	<2	<5	74	0.11	27	<5	27
8111	8.0	2	2	5	0.91	<0.2	<5	40	<2	10.18	<0.5	8	47	14	1.54	0.17	<10	2.80	271	0.03	14	490	<2	<5	68	0.10	25	<5	25
8112	9.0	2	2	5	0.88	<0.2	<5	50	<2	10.66	<0.5	6	41	12	1.37	0.20	<10	3.00	263	0.03	11	490	<2	<5	73	0.10	25	<5	25
8113	10.0	2	2	5	0.97	<0.2	10	50	<2	11.31	<0.5	7	40	12	1.42	0.21	<10	3.19	283	0.03	13	500	<2	<5	77	0.10	27	<5	26
8114	11.0	2	2	5	0.93	<0.2	<5	40	<2	11.04	<0.5	7	38	12	1.38	0.21	<10	3.19	276	0.03	12	490	<2	<5	76	0.10	26	<5	25
8115	12.0	2	2	5	0.87	<0.2	5	40	2	11.13	<0.5	7	42	12	1.39	0.20	<10	3.02	277	0.04	11	510	<2	<5	76	0.10	26	<5	25
8116	13.0	2	2	5	0.71	<0.2	<5	30	2	10.32	<0.5	7	36	10	1.21	0.16	<10	2.89	238	0.03	8	510	<2	<5	67	0.09	23	5	23
8117	14.0	2	2	5	0.71	<0.2	<5	30	<2	10.17	<0.5	7	36	10	1.23	0.17	<10	2.84	240	0.03	11	510	2	<5	66	0.09	23	<5	21
8118	15.0	2	2	5	0.72	<0.2	<5	40	2	10.66	<0.5	7	35	10	1.24	0.16	<10	2.95	242	0.03	10	530	6	<5	69	0.09	24	<5	22
8119	16.0	2	2	5	0.97	<0.2	<5	50	2	10.18	<0.5	8	38	13	1.48	0.24	<10	2.78	284	0.03	14	480	<2	<5	71	0.09	28	<5	29
8120	17.0	2	2	5	1.06	<0.2	5	60	2	10.29	<0.5	8	48	15	1.61	0.26	<10	2.78	303	0.03	14	490	4	<5	73	0.10	30	<5	30
8121	18.0	2	2	5	1.11	<0.2	<5	60	4	9.87	<0.5	9	47	14	1.66	0.30	<10	2.71	309	0.04	14	500	6	5	71	0.11	31	<5	33
8122	19.0	2	2	5	1.07	<0.2	5	50	2	10.59	<0.5	8	46	14	1.59	0.27	<10	2.80	298	0.04	15	490	<2	<5	74	0.10	30	<5	29
8123	20.0	2	2	5	1.09	<0.2	5	50	<2	10.53	<0.5	9	43	14	1.60	0.27	<10	2.83	299	0.04	14	490	2	<5	74	0.11	30	<5	31
8124	21.0	2	2	5	1.12	<0.2	<5	60	2	10.67	<0.5	8	43	13	1.60	0.26	<10	2.90	302	0.03	15	510	4	<5	75	0.11	31	<5	31
8125	22.0	2	2	5	1.09	<0.2	5	50	4	10.52	<0.5	9	40	13	1.57	0.26	<10	2.86	297	0.03	14	500	<2	<5	74	0.10	30	<5	31
8126	23.0	2	2	5	1.10	<0.2	<5	50	2	10.33	<0.5	8	38	13	1.55	0.27	<10	2.81	297	0.04	14	500	4	<5	73	0.11	30	<5	40
8127	24.0	2	2	5	1.16	<0.2	10	60	<2	10.61	<0.5	9	44	13	1.68	0.30	<10	2.90	316	0.04	16	520	2	5	77	0.11	32	<5	34
8128	25.0	2	2	5	1.05	<0.2	<5	50	2	9.82	<0.5	9	42	13	1.58	0.26	<10	2.65	293	0.04	13	480	2	<5	70	0.10	28	<5	33
8129	26.1	2	2	5	1.09	<0.2	10	60	2	10.46	<0.5	9	43	13	1.59	0.27	<10	2.82	306	0.04	16	500	2	<5	76	0.10	30	<5	31
8130	27.3	2	2	5	1.14	<0.2	<5	60	2	10.36	<0.5	8	48	13	1.65	0.28	<10	2.77	306	0.04	15	490	2	<5	76	0.11	30	<5	31
8131	28.4	2	2	5	1.15	<0.2	<5	60	<2	10.23	<0.5	8	41	12	1.58	0.28	<10	2.76	298	0.04	13	490	<2	<5	75	0.10	30	<5	30
Hole Q:																													
8132	25.5	2	2	5	1.19	<0.2	<5	60	<2	10.50	<0.5	9	45	15	1.63	0.30	<10	2.85	307	0.04	14	480	2	<5	78	0.11	30	<5	31
8133	26.5	2	2	5	1.18	<0.2	5	60	<2	10.56	<0.5	8	39	12	1.59	0.30	<10	2.86	309	0.04	13	510	<2	<5	78	0.11	31	<5	32
8134	27.5	4	2	5	1.13	<0.2	<5	60	<2	10.70	<0.5	9	42	13	1.58	0.27	<10	2.83	307	0.04	16	510	2	<5	79	0.10	30	<5	31
8135	28.5	2	2	5	1.30	<0.2	<5	60	<2	9.83	<0.5	13	38	19	1.90	0.26	<10	2.63	317	0.09	16	520	4	<5	78	0.13	47	5	33
8136	29.4	2	2	5	1.07	<0.2	<5	50	<2	9.75	<0.5	9	37	14	1.62	0.23	<10	2.71	294	0.03	16	490	6	<5	73	0.09	28	<5	31
8137	31.0	2	2	5	0.41	<0.2	5	10	2	10.60	<0.5	5	18	5	0.85	0.07	<10	3.06	196	0.02	6	470	2	<5	64	0.06	17	<5	13
Hole R:																													
8138	25.5	10	2	5	0.99	<0.2	<5	50	4	9.93	<0.5	9	38	13	1.50	0.25	<10	2.66	284	0.03	15	490	4	<5	69	0.09	28	<5	29
8139	26.5	8	2	5	1.11	<0.2	<5	50	2	10.16	<0.5	8	39	13	1.57	0.28	<10	2.72	301	0.04	16	510	6	<5	74	0.10	30	<5	30
8140	27.5	6	2	5	1.15	<0.2	<5	50	4	10.28	<0.5	8	42	12	1.58	0.26	<10	2.72	299	0.04	15	480	4	<5	75	0.10	30	<5	29
8141	28.5	6	2	5	1.15	<0.2	<5	60	4	10.64	<0.5	8	40	13	1.57	0.28	<10	2.89	310	0.04	16	510	4	<5	77	0.10	31	<5	32
8142	29.5	46	2	5	1.15	<0.2	<5	60	<2	10.14	<0.5	9	42	13	1.59	0.29	<10	2.73	309	0.04	15	490	4	<5	75	0.10	30	<5	31
8143	30.5	6	2	5	1.04	<0.2	<5	50	2	9.98	<0.5	8	37	11	1.48	0.25	<10	2.67	289	0.04	14	480	4	<5	72	0.09	27	<5	29
8144	31.5	4	2	5	1.09	<0.2	<5	50	4	10.21	<0.5	8	38	12	1.53	0.25	<10	2.75	301	0.04	14	480	4	<5	74	0.09	29	<5	30
8145	33.6	2	2	5	0.41	<0.2	<5	10	<2	12.20	<0.5	6	20	6	0.86	0.08	<10	3.38	202	0.02	7	420	2	<5	70	0.06	15	<5	12
8146	35.8	2	2	5	0.53	<0.2	<5	20	<2	11.32	<0.5	7	34	10	1.10	0.11	<10	2.96	214	0.03	11	440	<2	<5	70	0.07	19	5	15
8147	38.0	2	2	5	0.64	<0.2	5	30	<2	10.96	<0.5	7	36	10	1.22	0.11	<10	3.11	236	0.03	12	450	2	<5	72	0.06	20	<5	19
8148	39.5	2	2	5	0.50	<0.2	5	20	6	8.40	<0.5	7	23	9	1.15	0.08	<10	2.32	227	0.02	11	460	<2	<5	57	0.05	18	<5	17
8149	42.0	6	2	5	0.75	<0.2	<5	30	2	7.73	<0.5	9	37	15	1.66	0.10	<10	2.10	289	0.02	15	500	2	<5	66	0.06	23	<5	25
8150	43.0	2	2	5	0.98	<0.2	5	40	2	7.83	<0.5	11	52	20	2.09	0.13	<10	2.21	344	0.03	23	540	12	<5	71	0.07	28	<5	32
8151	44.5	2	2	5	1.05	<0.2	10	50	<2	7.37	<0.5	11	53	24	2.16	0.18	<10	2.18	346	0.04	22	490	8	<5	77	0.06	25	<5	35
Hole S:																													
8152	2.0	2	2	5	0.57	<0.2	<5	20	<2	10.43	<0.5	5	20	8	0.94	0.11	<10	3.32	192	0.02	7	460	4	<5	61	0.07	17	<5	17
8153	3.0	2	2	5	0.55	<0.2	10	20	<2	9.96	<0.5	5	23	8	0.94	0.12	<10	3.06	200	0.02	7	440	2	<5	58	0.07	17	<5	18
8154	4.0	2	2	5	0.50	<0.2	15	20	<2	10.68	<0.5	5	18	7	0.85	0.09	<10	3.34	205	0.02	6	440	6	<5	61	0.07	16	<5	16
8155	5.0	2	2	5	0.55	<0.2	<5	20	2	11.61	<0.5	6	25	8	0.98	0.12	<10	3.23	243	0.03	7	460	2	<5	71	0.07	18	<5	16

<63	Depth m	Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
8156	6.0	2	2	5	0.57	<0.2	<5	20	<2	11.50	<0.5	6	30	8	1.02	0.12	<10	3.14	233	0.03	8	450	2	<5	69	0.07	18	<5	17
8157	7.0	2	2	5	0.61	<0.2	5	30	<2	12.15	<0.5	7	27	8	1.05	0.13	<10	3.34	235	0.03	7	490	<2	<5	73	0.08	20	<5	17
8158	8.0	2	2	5	0.44	<0.2	<5	20	<2	10.64	<0.5	5	17	5	0.80	0.08	<10	2.95	188	0.02	4	440	<2	<5	62	0.06	16	<5	13
8159	9.0	2	2	5	0.47	<0.2	<5	20	<2	11.54	<0.5	6	22	6	0.86	0.10	<10	3.22	204	0.02	6	490	<2	<5	68	0.06	17	<5	14
Hole T:																													
8160	58.1	2	6	5	1.66	<0.2	20	70	<2	6.28	<0.5	20	40	70	3.26	0.18	<10	1.82	561	0.15	36	580	4	5	67	0.12	62	<5	55

Appendix 12

**Geochemical Analysis
of the <0.002mm Fraction**

Geochemical analysis of <2um fraction of till samples.

Prep by centrifugation in 5g/l sodium metaphosphate; nitric/aqua regia partial leach; ICP.

<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
Detection	0.01	0.2	5	10	2	0.01	0.5	1	1	1	0.01	10	0.01	10	0.01	1	1	0.01	1	10	2	5	1	0.01	10	1	5	2
Limit:	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm

C horizon surface till samples; sampling depth ~0.8m.

Number:	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505
Minimum:	0.40	<0.2	<5	10	<2	0.21	<0.5	1	11	8	0.66	<10	0.05	<10	0.46	106	<1	0.03	7	1290	<2	<5	12	0.02	<10	12	<5	15
Mean:	3.26	0.2	18	142	<2	5.08	<0.5	23	86	101	3.98	<10	0.40	22	1.94	580	<1	1.13	61	7283	11	<5	49	0.10	<10	62	<5	97
Maximum:	9.26	2.6	450	620	6	>15.0	8.5	143	328	1086	12.05	40	1.59	200	3.52	2738	52	8.28	479	>10000	110	20	110	0.64	80	226	25	2441
Location Map A:																												
42 <2um	1.69	<0.2	5	80	<2	6.25	<0.5	16	45	59	2.29	<10	0.28	<10	2.74	476	<1	0.82	27	7080	8	<5	46	0.08	<10	33	10	56
43 <2um	2.10	<0.2	10	80	<2	4.64	<0.5	13	55	100	2.81	<10	0.27	<10	2.16	571	<1	1.05	28	8580	6	<5	40	0.10	<10	41	10	50
44 <2um	2.79	<0.2	<5	120	<2	8.01	<0.5	14	73	63	3.45	10	0.52	<10	1.85	466	<1	0.76	37	5130	10	<5	69	0.15	<10	49	15	84
94 <2um	5.36	0.2	<5	120	<2	0.60	1.0	39	104	509	6.60	<10	0.37	50	2.04	882	<1	2.09	159	>10000	14	<5	41	0.11	20	77	<5	145
95 <2um	6.04	0.4	60	200	<2	0.58	<0.5	48	68	580	6.06	<10	0.36	40	1.50	1084	<1	5.59	190	>10000	4	<5	30	0.08	<10	66	<5	134
96 <2um	1.51	0.2	<5	40	<2	5.42	0.5	21	40	225	2.69	10	0.18	30	2.35	359	<1	0.58	39	5480	12	10	41	0.07	<10	37	<5	137
97 <2um	1.30	0.2	5	50	2	8.58	<0.5	16	34	55	1.78	20	0.17	<10	2.84	285	<1	0.56	22	4750	10	5	56	0.06	<10	28	<5	50
98 <2um	1.95	0.2	<5	50	<2	6.41	0.5	20	41	124	3.05	20	0.17	20	2.27	489	<1	0.71	39	6280	6	10	56	0.06	10	41	10	69
634 <2um	4.29	<0.2	<5	150	<2	0.55	<0.5	26	103	243	4.74	10	0.24	30	1.67	810	<1	0.09	74	5620	14	5	37	0.16	<10	63	<5	79
636 <2um	5.92	0.8	25	160	2	0.40	<0.5	31	99	69	4.82	10	0.18	20	1.27	608	1	0.10	58	>10000	12	<5	31	0.18	<10	62	<5	73
645 <2um	3.01	<0.2	<5	90	2	0.65	<0.5	25	69	278	4.21	10	0.22	30	1.36	664	<1	0.11	59	3220	8	<5	37	0.12	<10	67	<5	76
646 <2um	2.35	<0.2	<5	60	2	0.36	<0.5	18	51	41	2.67	10	0.12	20	0.68	296	<1	0.08	33	4540	10	<5	24	0.07	<10	45	<5	39
647 <2um	4.10	0.2	<5	190	<2	1.23	<0.5	30	93	318	5.36	10	0.32	50	1.73	687	<1	0.15	77	4890	12	<5	41	0.15	<10	78	<5	98
648 <2um	2.67	0.2	<5	80	<2	0.54	<0.5	20	58	284	3.54	10	0.19	30	1.09	525	<1	0.10	45	3860	12	<5	34	0.10	<10	54	<5	56
649 <2um	3.87	0.2	<5	140	<2	0.51	<0.5	34	56	113	3.79	10	0.18	20	0.93	797	<1	0.15	64	>10000	8	<5	30	0.07	<10	54	<5	56
653 <2um	2.98	0.2	<5	90	4	0.48	<0.5	41	77	225	4.45	10	0.20	30	1.17	951	1	0.23	83	8280	14	<5	29	0.08	<10	64	<5	83
654 <2um	4.44	<0.2	<5	160	2	0.47	<0.5	30	88	131	4.95	10	0.27	20	1.60	851	1	0.19	65	8390	22	<5	40	0.10	<10	64	<5	240
655 <2um	3.58	0.4	5	120	2	0.44	<0.5	20	70	54	3.73	10	0.23	30	0.92	732	<1	0.18	43	>10000	12	<5	29	0.07	<10	54	<5	56
656 <2um	2.16	0.4	<5	80	<2	1.28	<0.5	15	54	99	2.82	<10	0.28	80	1.10	475	<1	0.13	39	4640	8	<5	32	0.07	<10	40	<5	74
657 <2um	3.41	0.4	15	110	4	0.44	<0.5	25	74	81	4.05	10	0.19	30	0.90	556	1	0.19	46	9730	18	<5	30	0.08	<10	58	5	61
658 <2um	1.41	<0.2	<5	70	<2	9.49	<0.5	9	41	75	1.87	<10	0.16	<10	3.03	281	<1	0.10	24	3320	<2	<5	67	0.06	<10	30	5	60
659 <2um	3.12	<0.2	<5	200	<2	7.95	<0.5	17	72	83	3.40	10	0.37	<10	2.42	458	<1	0.14	41	5900	6	<5	69	0.08	<10	46	5	65
660 <2um	2.45	<0.2	5	130	<2	7.50	<0.5	15	64	75	2.98	<10	0.32	<10	2.33	393	<1	0.17	40	7100	<2	<5	64	0.10	<10	42	5	78
661 <2um	2.62	<0.2	<5	160	<2	9.54	<0.5	15	65	84	3.04	<10	0.44	<10	1.85	499	<1	0.14	35	9560	2	<5	78	0.10	<10	43	5	76
662 <2um	3.91	0.2	<5	160	<2	2.35	<0.5	18	85	129	4.50	10	0.43	50	1.96	621	<1	0.17	60	6950	18	<5	40	0.13	<10	58	5	116
663 <2um	5.64	0.4	<5	280	<2	0.49	<0.5	30	103	72	5.14	10	0.40	30	1.36	881	1	0.17	70	>10000	22	<5	30	0.15	<10	63	5	90
664 <2um	3.35	<0.2	<5	200	2	9.96	<0.5	19	81	131	3.66	10	0.50	<10	2.10	517	<1	0.13	52	7830	16	<5	81	0.08	<10	47	10	91
665 <2um	1.37	0.2	<5	80	<2	8.08	<0.5	9	38	56	1.82	<10	0.16	<10	2.82	295	<1	0.08	25	2480	2	<5	56	0.07	<10	28	5	40
666 <2um	1.31	<0.2	<5	70	<2	8.91	<0.5	10	34	36	1.66	<10	0.18	<10	2.62	243	<1	0.07	21	2430	8	<5	63	0.05	<10	25	5	47
667 <2um	3.19	<0.2	<5	200	<2	3.53	<0.5	19	77	101	3.74	10	0.35	10	2.66	514	<1	0.10	55	3150	8	<5	41	0.13	<10	51	5	88
668 <2um	2.32	<0.2	<5	120	2	10.61	<0.5	14	62	51	2.79	<10	0.42	<10	2.03	485	<1	0.09	31	5050	8	<5	82	0.08	<10	44	10	68
669 <2um	1.06	0.2	<5	60	<2	11.72	<0.5	10	29	39	1.45	<10	0.12	<10	2.83	276	<1	0.06	17	3050	10	<5	77	0.08	<10	23	<5	31
670 <2um	1.02	0.2	5	40	<2	7.06	<0.5	10	29	30	1.52	<10	0.14	<10	2.85	261	<1	0.08	18	3330	10	<5	49	0.07	<10	26	<5	40
671 <2um	2.84	0.2	<5	150	<2	3.56	<0.5	16	85	44	3.29	10	0.20	10	2.23	363	<1	0.10	46	4010	2	<5	42	0.11	<10	50	5	56
672 <2um	1.38	<0.2	<5	80	2	10.04	<0.5	9	35	47	1.79	<10	0.21	<10	2.37	325	<1	0.07	23	3790	10	<5	74	0.06	<10	28	5	49
673 <2um	1.71	0.2	<5	70	<2	4.72	<0.5	16	51	39	2.37	<10	0.19	<10	2.49	383	<1	0.11	35	4020	8	<5	42	0.06	<10	35	5	70
674 <2um	1.40	0.4	<5	80	2	2.77	<0.5	15	38	138	1.99	<10	0.19	10	1.56	464	<1	0.08	40	3520	6	<5	31	0.07	<10	29	<5	40
675 <2um	0.91	<0.2	<5	40	<2	6.07	<0.5	11	26	130	1.34	<10	0.10	<10	2.72	323	<1	0.06	17	2740	4	<5	41	0.06	<10	22	5	26
676 <2um	5.06	0.2	<5	230	<2	0.83	0.5	30	105	85	5.92	10	0.38	70	1.39	730	1	0.12	58	9480	6	<5	37	0.16	<10	78	<5	92
677 <2um	1.93	<0.2	<5	90	<2	2.69	<0.5	15	57	70	2.81	<10	0.20	20	1.90	482	<1	0.07	33	3120	12	<5	33	0.10	<10	42	<5	57
678 <2um	1.17	<0.2	<5	60	<2	6.33	<0.5	9	34	32	1.84	<10	0.12	<10	2.99	295	<1	0.06	17	2670	<2	<5	43	0.08	<10	29	<5	33

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
679	<2um	4.56	0.4	<5	280	<2	0.84	<0.5	36	114	129	6.34	10	0.50	120	1.68	1901	<1	0.15	72	8960	28	<5	52	0.16	<10	78	<5	123
680	<2um	3.55	<0.2	<5	180	<2	3.24	<0.5	18	83	82	4.32	10	0.28	30	2.40	854	<1	0.09	45	4390	6	<5	47	0.15	<10	64	<5	71
681	<2um	2.31	<0.2	<5	150	<2	10.72	<0.5	17	56	80	2.83	<10	0.35	<10	2.07	483	<1	0.11	31	6730	4	<5	77	0.06	<10	42	<5	67
682	<2um	3.48	0.2	<5	210	<2	4.82	<0.5	19	75	104	4.00	10	0.42	<10	2.46	594	1	0.12	47	4060	4	<5	57	0.13	<10	56	<5	85
683	<2um	2.57	0.2	5	110	<2	0.71	<0.5	21	68	114	3.84	<10	0.31	50	0.93	637	1	0.16	45	8050	10	<5	30	0.08	<10	58	<5	74
684	<2um	4.21	0.2	15	240	<2	1.70	<0.5	28	91	332	5.27	10	0.60	50	1.90	1123	2	0.12	75	4500	20	<5	51	0.18	<10	77	<5	113
685	<2um	1.26	<0.2	<5	60	<2	9.26	<0.5	10	32	45	1.73	<10	0.13	<10	2.83	405	<1	0.13	19	8140	10	<5	66	0.07	<10	26	<5	41
686	<2um	1.86	<0.2	<5	120	<2	8.93	<0.5	14	48	69	2.41	<10	0.24	<10	2.45	440	<1	0.16	28	>10000	8	<5	69	0.08	<10	34	<5	61
687	<2um	0.97	<0.2	<5	40	<2	6.30	<0.5	10	28	12	1.33	<10	0.10	<10	3.40	266	<1	0.13	15	5240	<2	<5	40	0.06	<10	24	<5	23
688	<2um	0.87	0.2	<5	40	<2	7.19	<0.5	10	26	36	1.41	<10	0.10	<10	3.23	449	<1	0.09	17	4700	2	<5	46	0.06	<10	25	<5	30
689	<2um	3.16	<0.2	5	180	<2	10.05	<0.5	18	70	67	3.19	<10	0.48	<10	1.62	536	1	0.12	40	8470	12	5	86	0.08	<10	44	<5	85
690	<2um	2.39	<0.2	<5	160	<2	11.81	<0.5	15	53	71	2.69	<10	0.38	<10	2.16	455	<1	0.11	29	6870	<2	5	84	0.07	<10	39	<5	57
691	<2um	2.63	<0.2	<5	150	<2	11.84	<0.5	16	59	64	2.90	<10	0.34	<10	2.13	499	<1	0.10	30	5230	10	<5	87	0.09	<10	41	<5	61
692	<2um	1.21	0.4	<5	80	<2	5.35	<0.5	9	35	43	1.99	<10	0.19	<10	2.37	322	<1	0.08	25	3140	8	<5	39	0.07	<10	35	<5	44
693	<2um	1.65	0.2	<5	70	<2	6.54	<0.5	22	42	69	2.60	<10	0.17	<10	2.79	821	<1	0.08	25	3890	12	5	50	0.10	<10	41	<5	50
694	<2um	1.44	0.2	<5	100	<2	10.78	<0.5	12	42	82	1.87	<10	0.16	<10	2.79	392	<1	0.08	21	3450	<2	5	70	0.09	<10	32	<5	48
695	<2um	1.59	0.4	<5	100	<2	6.56	8.5	9	46	435	2.11	<10	0.22	<10	2.54	390	1	0.10	34	4190	4	<5	51	0.07	<10	34	<5	2441
697	<2um	1.27	0.2	<5	80	<2	7.50	<0.5	10	31	69	1.69	<10	0.18	<10	3.07	295	<1	0.08	20	3100	6	<5	51	0.08	<10	27	<5	46
8041	<2um	6.61	0.2	110	150	<2	0.64	<0.5	39	130	415	6.81	20	0.47	40	2.26	1183	<1	1.49	109	>10000	12	10	40	0.18	<10	72	<5	231
8042	<2um	3.87	0.2	<5	140	<2	0.51	<0.5	34	56	113	3.79	10	0.18	20	0.93	797	<1	0.15	64	>10000	8	<5	30	0.07	<10	54	<5	56
8043	<2um	5.53	0.2	35	80	<2	0.62	<0.5	68	127	356	7.27	20	0.27	50	1.65	1618	<1	1.24	132	>10000	24	10	30	0.24	<10	95	<5	151
8044	<2um	3.44	0.2	15	90	<2	6.67	<0.5	28	76	258	4.76	<10	0.31	<10	2.57	675	<1	1.01	59	9050	10	<5	69	0.16	<10	59	<5	146
8049	<2um	4.04	0.2	30	150	<2	3.61	<0.5	31	129	192	5.52	10	0.34	30	2.83	803	<1	1.61	71	>10000	16	5	43	0.17	<10	81	<5	168
Location Map B:																													
47	<2um	2.84	<0.2	5	140	<2	7.48	<0.5	14	82	73	3.59	10	0.62	<10	2.02	427	<1	0.81	45	5310	4	<5	65	0.16	<10	53	20	85
48	<2um	0.71	<0.2	<5	40	<2	7.95	<0.5	7	24	21	1.05	<10	0.13	<10	2.59	178	<1	0.23	16	2170	<2	<5	52	0.07	<10	19	<5	20
49	<2um	2.36	<0.2	<5	110	<2	8.75	0.5	13	67	52	2.93	<10	0.47	<10	2.28	399	<1	0.55	35	2970	2	<5	70	0.14	<10	46	15	69
61	<2um	3.63	<0.2	5	240	<2	6.66	0.5	20	127	110	4.77	10	0.76	<10	1.93	575	<1	0.92	72	6300	10	<5	62	0.19	<10	75	25	99
62	<2um	3.33	<0.2	20	160	<2	2.15	0.5	35	86	184	5.46	10	0.41	10	1.88	1187	<1	1.89	63	>10000	8	<5	38	0.09	<10	63	25	111
63	<2um	2.43	<0.2	5	110	<2	9.25	0.5	15	83	85	3.29	<10	0.36	<10	1.85	489	<1	1.10	47	>10000	6	<5	76	0.10	<10	42	15	78
64	<2um	3.41	<0.2	<5	160	<2	3.47	0.5	22	93	119	4.64	10	0.50	<10	1.97	632	<1	1.36	56	>10000	6	<5	42	0.12	<10	60	20	133
600	<2um	4.65	0.2	<5	400	2	1.29	0.5	28	160	186	6.00	10	0.89	100	2.05	750	<1	0.13	163	5340	22	<5	35	0.19	<10	96	<5	125
601	<2um	3.83	0.4	<5	390	2	4.02	<0.5	24	123	109	4.49	10	0.69	50	3.06	681	<1	0.09	85	3290	12	<5	42	0.18	<10	72	5	99
602	<2um	3.03	0.2	10	160	<2	3.29	<0.5	17	84	97	3.76	10	0.55	20	2.00	468	<1	0.10	58	3010	4	<5	46	0.13	<10	56	<5	96
603	<2um	3.33	0.4	<5	420	2	5.38	<0.5	28	115	134	4.61	10	0.62	<10	2.75	669	<1	0.10	92	3820	14	<5	49	0.14	<10	89	5	128
604	<2um	5.79	<0.2	25	270	<2	0.93	<0.5	27	118	43	6.52	20	0.30	20	1.65	620	<1	0.08	64	3510	12	<5	53	0.20	<10	106	<5	95
605	<2um	3.03	0.4	10	150	<2	0.34	<0.5	28	76	87	3.42	10	0.15	40	0.80	385	<1	0.05	68	3270	10	<5	25	0.16	<10	55	<5	44
606	<2um	4.43	<0.2	<5	130	<2	0.69	<0.5	28	76	40	5.44	10	0.20	20	0.75	659	2	0.11	42	8360	24	<5	28	0.15	<10	86	<5	60
607	<2um	1.75	0.2	5	50	2	0.40	<0.5	20	33	146	2.69	<10	0.11	30	0.61	920	<1	0.04	28	3270	24	<5	23	0.10	<10	36	<5	275
608	<2um	1.99	0.2	5	60	<2	0.96	<0.5	20	41	145	3.58	<10	0.12	40	1.14	1003	<1	0.05	34	2600	12	<5	28	0.08	<10	37	<5	227
609	<2um	2.86	0.2	<5	80	<2	0.51	<0.5	24	60	117	4.32	10	0.23	40	1.39	1083	1	0.11	49	4040	14	<5	37	0.13	<10	54	<5	79
610	<2um	3.39	0.4	30	90	<2	0.35	<0.5	43	74	115	5.42	10	0.18	30	0.83	1240	2	0.44	55	>10000	32	<5	19	0.06	<10	62	<5	72
611	<2um	3.80	<0.2	5	80	2	0.38	<0.5	10	46	13	4.54	30	0.10	10	0.46	110	4	0.18	17	6460	20	<5	29	0.26	<10	149	<5	43
612	<2um	3.75	0.2	10	130	<2	0.30	<0.5	34	64	137	5.75	10	0.25	20	0.86	941	1	0.25	94	9940	18	<5	26	0.11	<10	55	<5	85
613	<2um	1.29	<0.2	10	60	<2	11.28	<0.5	9	35	41	1.63	<10	0.20	<10	2.40	279	<1	0.09	20	5000	8	<5	83	0.07	<10	26	<5	41
614	<2um	2.02	<0.2	<5	100	<2	5.46	<0.5	17	59	84	3.22	<10	0.21	<10	2.52	498	<1	0.09	43	3500	10	5	46	0.08	<10	39	<5	56
615	<2um	3.22	<0.2	<5	110	<2	0.51	<0.5	23	77	70	4.33	10	0.32	30	1.31	729	1	0.16	53	4580	6	<5	32	0.13	<10	62	<5	66
616	<2um	1.91	0.2	<5	100	<2	8.82	0.5	8	44	25	2.14	<10	0.10	<10	1.82	213	<1	0.10	18	4160	8	<5	54	0.08	<10	32	<5	31
617	<2um	3.51	<0.2	5	150	<2	0.42	<0.5	18	91	183	4.66	10	0.15	20	1.13	442	<1	0.16	61	7140	8	<5	27	0.11				

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
622	<2um	2.76	<0.2	<5	140	<2	9.09	<0.5	19	76	107	3.62	10	0.37	<10	1.81	549	<1	0.09	58	4770	8	<5	79	0.09	<10	50	5	82
623	<2um	3.00	<0.2	5	110	2	0.41	<0.5	20	59	67	3.57	10	0.22	20	0.85	536	<1	0.08	43	4810	10	<5	26	0.10	<10	49	<5	48
624	<2um	3.35	<0.2	5	180	<2	4.50	<0.5	18	80	116	4.11	10	0.43	<10	1.91	594	<1	0.10	51	4500	8	5	49	0.12	<10	58	<5	69
625	<2um	2.93	<0.2	10	180	4	10.31	<0.5	20	88	105	3.64	10	0.48	<10	1.91	639	<1	0.11	59	6490	12	<5	80	0.09	<10	61	<5	75
626	<2um	6.25	<0.2	10	310	<2	0.49	<0.5	40	182	313	6.57	20	0.60	60	1.98	632	<1	0.14	128	5320	16	<5	32	0.27	<10	103	<5	129
627	<2um	3.81	<0.2	15	190	4	7.07	<0.5	26	110	135	4.77	10	0.56	<10	2.19	738	<1	0.12	75	6090	12	<5	74	0.14	<10	78	5	101
628	<2um	5.49	0.2	80	480	2	0.87	<0.5	40	207	274	7.06	20	0.60	80	2.10	787	<1	0.13	261	5450	16	<5	38	0.21	<10	121	<5	149
629	<2um	3.69	<0.2	30	120	<2	0.44	<0.5	27	93	36	4.59	10	0.21	20	1.13	632	1	0.11	72	7660	16	<5	31	0.13	<10	69	<5	59
630	<2um	3.63	<0.2	5	100	<2	0.31	<0.5	19	88	46	3.59	10	0.11	20	0.96	285	1	0.07	56	4560	10	<5	27	0.16	<10	61	<5	53
631	<2um	3.43	<0.2	85	150	<2	0.48	<0.5	21	68	101	4.36	10	0.23	30	0.99	704	<1	0.08	52	3720	8	<5	33	0.14	<10	58	<5	65
632	<2um	3.16	<0.2	<5	130	2	0.33	<0.5	20	48	49	3.21	<10	0.14	20	0.69	490	1	0.11	36	7070	14	<5	22	0.08	<10	44	<5	40
633	<2um	2.86	<0.2	5	150	<2	7.60	<0.5	19	64	106	3.99	10	0.34	<10	1.60	610	<1	0.10	46	5020	8	5	72	0.09	<10	52	5	89
635	<2um	4.51	<0.2	25	190	<2	0.43	<0.5	42	109	347	6.40	10	0.25	50	1.94	1606	<1	0.09	99	6390	12	<5	34	0.12	<10	58	<5	111
640	<2um	3.49	<0.2	<5	50	<2	0.59	<0.5	42	47	559	4.96	10	0.13	20	1.37	782	<1	0.38	140	>10000	8	<5	32	0.08	<10	56	<5	90
641	<2um	3.82	<0.2	<5	100	<2	1.02	<0.5	31	46	562	4.54	10	0.21	20	1.75	624	<1	0.21	119	5450	6	<5	50	0.11	<10	62	<5	90
642	<2um	2.84	<0.2	20	110	2	0.44	<0.5	22	111	57	3.67	10	0.21	20	1.26	603	1	0.07	72	2990	8	5	30	0.13	<10	51	<5	54
643	<2um	5.37	<0.2	70	130	<2	0.42	<0.5	54	142	237	4.69	10	0.11	20	1.62	509	1	0.10	106	9020	20	<5	30	0.14	<10	101	<5	120
644	<2um	5.90	0.2	40	210	<2	0.65	<0.5	41	138	171	6.79	20	0.36	30	2.06	1117	1	0.16	101	7310	16	<5	48	0.22	<10	111	<5	99
650	<2um	2.44	<0.2	10	150	<2	1.32	<0.5	20	105	68	3.07	10	0.20	30	1.43	436	<1	0.07	63	2730	8	<5	27	0.12	<10	64	<5	83
651	<2um	2.53	<0.2	5	280	<2	8.12	<0.5	26	96	118	3.55	10	0.51	<10	2.04	560	<1	0.11	92	4730	<2	<5	64	0.07	<10	66	<5	77
652	<2um	5.01	0.4	<5	330	<2	0.59	<0.5	33	138	106	5.50	20	0.49	70	1.44	1011	1	0.14	121	8640	18	<5	42	0.12	<10	87	<5	88
698	<2um	2.23	<0.2	<5	230	<2	8.26	<0.5	21	91	106	3.12	<10	0.38	<10	2.43	489	<1	0.09	82	3810	16	<5	66	0.09	<10	59	<5	86
699	<2um	2.41	<0.2	<5	260	<2	9.10	<0.5	17	79	79	2.95	<10	0.42	<10	2.50	413	<1	0.09	58	4400	12	<5	69	0.09	<10	50	<5	71
700	<2um	4.01	<0.2	<5	460	<2	0.60	<0.5	83	223	331	7.49	20	1.10	60	2.54	1019	2	0.76	296	>10000	46	<5	38	0.03	<10	160	<5	375
701	<2um	3.29	0.4	<5	300	2	7.34	<0.5	20	98	105	3.89	10	0.60	<10	2.88	559	<1	0.11	76	3620	8	<5	60	0.13	<10	63	<5	106
702	<2um	2.34	0.4	<5	230	<2	7.35	<0.5	19	82	116	3.19	10	0.50	<10	2.52	441	<1	0.08	72	2370	14	<5	60	0.13	<10	58	<5	93
703	<2um	2.37	0.2	<5	190	<2	4.37	<0.5	20	81	83	3.21	<10	0.47	<10	1.95	486	<1	0.10	63	3870	6	<5	40	0.10	<10	54	<5	84
704	<2um	1.75	0.2	<5	160	<2	4.20	<0.5	11	60	79	2.48	<10	0.37	<10	2.45	318	<1	0.08	54	2910	4	<5	34	0.08	<10	45	<5	69
705	<2um	3.78	<0.2	20	260	<2	3.37	<0.5	16	120	145	4.99	10	0.78	20	2.20	516	1	0.10	87	3060	12	5	44	0.21	<10	90	<5	117
706	<2um	3.28	0.4	20	270	<2	0.57	<0.5	32	115	109	5.01	10	0.43	50	1.31	1041	1	0.10	128	5620	22	<5	33	0.13	<10	79	<5	106
707	<2um	2.48	0.2	15	210	<2	3.98	<0.5	21	78	108	3.41	<10	0.39	<10	2.40	546	1	0.10	77	3090	8	<5	43	0.10	<10	54	<5	104
708	<2um	2.68	<0.2	<5	380	<2	12.96	0.5	19	103	176	3.40	10	0.61	<10	2.19	500	<1	0.10	104	5230	4	<5	94	0.07	<10	57	<5	123
709	<2um	1.57	0.2	5	110	<2	6.96	<0.5	18	61	74	2.36	<10	0.24	<10	2.48	342	1	0.06	58	2040	8	5	49	0.07	<10	43	<5	65
710	<2um	3.16	<0.2	20	300	<2	8.85	<0.5	33	111	168	4.27	10	0.57	<10	2.30	665	<1	0.11	123	4490	4	<5	71	0.11	<10	75	<5	133
711	<2um	2.43	0.2	<5	170	<2	2.78	<0.5	21	85	95	3.51	10	0.34	20	2.07	495	<1	0.09	75	3410	10	<5	32	0.10	<10	56	<5	102
712	<2um	4.00	<0.2	5	160	<2	0.46	<0.5	44	152	67	3.35	<10	0.23	30	0.90	382	<1	0.07	158	8160	<2	<5	23	0.10	<10	55	<5	59
8001	<2um	3.58	<0.2	40	140	<2	9.94	<0.5	22	111	125	4.61	<10	0.57	<10	2.04	644	<1	0.87	82	6470	12	<5	75	0.17	<10	74	<5	135
8002	<2um	3.58	<0.2	35	150	<2	10.16	<0.5	24	114	106	4.69	<10	0.62	<10	2.22	714	<1	0.81	79	5210	10	5	76	0.18	<10	78	<5	126
8003	<2um	4.36	0.2	230	150	<2	0.58	<0.5	143	169	253	7.14	40	0.51	70	1.62	1222	<1	1.35	479	>10000	30	5	26	0.22	<10	122	<5	238
8004	<2um	5.64	0.2	130	110	<2	0.78	<0.5	105	160	179	7.88	30	0.37	40	1.46	936	<1	1.13	233	>10000	40	10	22	0.27	<10	130	<5	106
8005	<2um	7.14	0.4	200	60	<2	0.72	<0.5	136	152	116	8.18	20	0.18	20	1.10	1676	2	2.04	162	>10000	40	10	20	0.26	<10	102	<5	104
8006	<2um	5.69	0.2	115	130	<2	0.47	<0.5	58	188	284	8.27	20	0.42	30	2.16	1194	<1	0.87	206	5740	24	10	25	0.28	<10	138	<5	148
8007	<2um	5.56	0.2	85	250	<2	0.84	<0.5	49	211	250	8.31	20	0.72	60	2.64	811	<1	0.78	195	3920	8	10	35	0.25	<10	140	<5	178
8008	<2um	6.52	0.4	60	120	<2	0.56	<0.5	36	154	102	6.40	<10	0.24	20	1.38	348	<1	1.50	124	>10000	16	<5	28	0.28	<10	108	<5	100
8009	<2um	5.66	0.2	365	80	<2	0.69	<0.5	124	140	702	9.29	20	0.27	90	1.74	2448	<1	1.31	219	>10000	38	10	27	0.19	<10	117	<5	208
8010	<2um	5.79	0.2	65	190	<2	0.46	<0.5	42	135	274	7.98	10	0.40	60	1.80	842	<1	0.71	102	3790	14	15	39	0.22	<10	102	<5	147
8011	<2um	6.67	0.2	420	90	<2	0.51	<0.5	68	189	360	11.67	10	0.20	60	2.14	1024	<1	0.92	152	3640	18	15	21	0.24	<10	181	<5	175
8012	<2um	8.27	0.2	430	110	<2	0.31	<0.5	81	186	367	11.97	30	0.16	30	1.59	2051	<1	0.77	146	8890	38	10	17	0.50	<10	194	<5	137
8013	<2um	7.90	0.2	450	110	<2	0.30	<0.5	79	156	317	11.21	2																

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
8018	<2um	8.79	0.8	130	110	<2	0.36	<0.5	90	177	210	8.63	20	0.22	30	1.69	1997	<1	0.96	139	>10000	32	10	22	0.28	<10	123	<5	132
8019	<2um	8.36	0.2	130	120	<2	0.33	<0.5	62	169	224	8.13	10	0.29	30	1.91	756	<1	0.84	139	7600	30	15	23	0.36	<10	124	<5	119
8020	<2um	6.94	0.2	90	230	<2	0.66	<0.5	51	225	490	10.09	20	0.50	70	3.11	1601	<1	0.41	181	2340	8	<5	39	0.22	<10	158	<5	188
8021	<2um	8.81	0.2	285	180	<2	0.53	<0.5	64	202	263	9.80	10	0.24	20	1.73	923	<1	1.26	160	9920	24	15	24	0.28	<10	157	<5	128
8036	<2um	6.95	2.6	70	190	<2	0.58	<0.5	59	129	648	10.03	10	0.30	30	1.38	1298	52	1.41	97	>10000	28	10	22	0.13	<10	100	<5	117
8037	<2um	4.99	2.2	30	200	<2	0.60	<0.5	58	152	505	9.05	10	0.38	30	2.24	2738	3	1.57	94	>10000	26	10	28	0.11	<10	94	<5	130
8038	<2um	5.66	1.6	35	170	<2	0.62	<0.5	77	118	1086	10.00	10	0.29	30	3.11	1891	<1	1.11	115	7540	14	10	25	0.17	<10	151	<5	156
8039	<2um	3.16	0.4	40	100	<2	1.68	<0.5	46	66	242	8.08	<10	0.26	20	1.46	2530	<1	2.56	60	>10000	24	<5	34	0.08	<10	52	<5	130
8040	<2um	5.69	0.2	35	130	<2	0.61	<0.5	48	122	435	7.19	20	0.32	70	2.00	1810	<1	2.26	105	>10000	14	<5	34	0.11	<10	61	<5	138
8045	<2um	6.74	0.4	50	80	<2	0.84	<0.5	48	90	252	5.74	<10	0.24	40	1.34	1468	<1	3.58	66	>10000	40	<5	34	0.32	<10	66	<5	602
8046	<2um	5.06	0.2	30	140	<2	0.74	<0.5	35	102	268	6.35	30	0.36	100	1.86	1466	<1	1.98	80	>10000	14	5	39	0.19	<10	68	<5	129
8047	<2um	7.54	0.2	125	110	<2	0.39	<0.5	36	156	119	7.94	10	0.12	20	1.42	671	<1	0.98	109	6660	16	10	21	0.19	<10	136	<5	118
8048	<2um	7.89	1.4	105	130	<2	0.53	<0.5	64	168	335	9.01	10	0.21	30	1.43	1379	<1	1.48	107	>10000	26	5	21	0.33	<10	133	<5	100
8050	<2um	6.00	0.4	20	520	<2	0.84	<0.5	138	328	516	11.00	20	1.34	60	3.52	1416	<1	0.80	464	7640	92	10	44	0.64	<10	226	<5	612
Location Map C:																													
33	<2um	2.86	<0.2	<5	100	<2	7.13	0.5	16	70	71	3.40	10	0.58	<10	1.84	405	<1	1.96	35	>10000	8	<5	64	0.03	<10	51	20	94
34	<2um	2.80	0.2	<5	100	<2	5.77	0.5	20	74	74	3.76	10	0.45	<10	2.08	569	<1	1.74	41	>10000	12	<5	46	0.06	<10	53	20	101
35	<2um	1.77	0.6	<5	60	<2	14.08	<0.5	13	45	51	2.22	<10	0.30	<10	2.08	391	<1	0.66	27	4990	6	<5	96	0.08	<10	31	10	81
36	<2um	3.39	<0.2	10	120	<2	7.44	<0.5	15	89	61	4.05	10	0.67	<10	1.89	499	<1	1.24	42	8150	4	<5	70	0.13	<10	63	20	98
38	<2um	3.18	<0.2	<5	120	<2	7.08	<0.5	15	80	59	3.66	10	0.59	<10	1.80	430	<1	1.17	43	7550	2	<5	65	0.11	<10	51	20	89
39	<2um	1.06	0.4	<5	40	<2	9.36	<0.5	7	27	24	1.39	<10	0.18	<10	2.69	220	<1	0.70	13	6440	4	<5	65	0.06	<10	21	5	31
40	<2um	2.81	0.2	<5	120	<2	5.59	0.5	19	62	69	3.48	10	0.51	<10	2.42	588	<1	1.80	40	>10000	12	<5	45	0.02	<10	45	15	103
41	<2um	0.80	0.2	<5	30	<2	7.96	<0.5	9	21	27	1.30	<10	0.13	<10	2.59	227	<1	0.46	10	4470	2	<5	53	0.06	<10	21	5	32
402	<2um	2.65	<0.2	<5	90	<2	0.62	<0.5	20	84	72	4.33	10	0.18	30	1.12	393	1	0.09	50	5680	2	<5	27	0.05	<10	76	<5	50
403	<2um	2.22	<0.2	<5	240	<2	10.67	<0.5	15	57	89	2.78	<10	0.34	<10	2.88	413	<1	0.10	32	5260	2	<5	71	0.04	<10	42	5	60
414	<2um	2.59	<0.2	<5	130	<2	8.75	<0.5	14	62	68	3.13	<10	0.40	<10	1.88	442	<1	0.20	34	>10000	6	5	78	0.11	<10	46	<5	73
415	<2um	1.76	<0.2	<5	90	<2	4.83	0.5	21	52	128	2.93	<10	0.22	<10	2.59	549	<1	0.24	48	9750	16	<5	41	0.09	<10	42	<5	81
416	<2um	0.84	<0.2	<5	40	<2	7.72	<0.5	9	21	26	1.30	<10	0.12	<10	2.75	213	<1	0.10	13	4540	12	<5	49	0.04	<10	21	<5	33
417	<2um	2.08	<0.2	<5	100	<2	4.80	<0.5	14	51	130	2.92	<10	0.24	<10	2.50	434	<1	0.14	31	5040	12	<5	42	0.07	<10	44	<5	68
418	<2um	5.73	<0.2	5	240	2	0.51	<0.5	30	95	53	6.01	10	0.25	30	1.04	318	3	0.23	60	>10000	14	<5	30	0.05	<10	75	<5	54
420	<2um	2.19	<0.2	<5	140	<2	14.87	<0.5	9	49	44	2.29	<10	0.38	<10	2.35	371	<1	0.10	28	6560	10	<5	110	0.06	<10	34	5	60
421	<2um	4.91	0.2	<5	150	<2	0.58	0.5	32	100	70	4.26	10	0.20	30	0.86	702	2	0.10	60	>10000	22	<5	28	0.12	<10	62	<5	46
422	<2um	6.12	0.4	5	230	2	0.69	<0.5	40	96	128	5.53	10	0.35	40	1.33	899	<1	0.15	91	>10000	28	<5	32	0.14	<10	73	<5	95
423	<2um	7.27	<0.2	15	190	<2	0.59	<0.5	28	94	70	6.84	10	0.14	30	0.63	301	3	0.18	48	>10000	20	5	39	0.15	<10	87	<5	39
424	<2um	1.46	<0.2	5	60	<2	8.16	<0.5	9	36	25	1.86	<10	0.21	<10	2.96	401	<1	0.09	19	3350	8	5	59	0.08	<10	30	<5	35
425	<2um	1.32	0.2	<5	70	<2	6.47	<0.5	14	34	40	1.88	<10	0.17	<10	3.39	358	<1	0.11	23	4230	2	<5	45	0.08	<10	32	<5	40
426	<2um	2.95	<0.2	<5	150	2	9.33	<0.5	16	69	49	3.37	10	0.53	<10	2.08	511	<1	0.11	37	5550	10	<5	81	0.10	<10	56	<5	80
431	<2um	5.98	0.4	15	410	<2	0.71	<0.5	29	135	68	5.40	10	0.44	40	1.33	958	1	0.14	64	>10000	20	<5	37	0.14	<10	80	<5	74
432	<2um	2.69	0.2	<5	120	<2	7.30	0.5	14	66	44	3.02	10	0.47	<10	2.14	365	<1	0.10	37	2840	10	<5	69	0.12	<10	46	<5	66
433	<2um	2.11	<0.2	<5	120	2	13.18	<0.5	8	47	44	2.29	<10	0.34	<10	2.01	394	<1	0.09	26	4490	4	<5	96	0.07	<10	34	5	54
434	<2um	5.38	0.2	<5	230	<2	0.82	0.5	25	118	51	5.99	20	0.41	160	1.37	925	<1	0.10	56	6050	22	<5	55	0.23	<10	87	<5	80
435	<2um	4.83	0.2	<5	180	6	0.80	<0.5	24	115	80	5.00	10	0.49	70	1.42	968	<1	0.11	55	5910	14	<5	43	0.19	<10	67	<5	84
436	<2um	6.04	0.2	<5	220	<2	1.10	<0.5	28	142	46	6.23	10	0.55	160	1.57	910	<1	0.13	58	7440	8	<5	60	0.20	<10	86	<5	91
439	<2um	3.16	<0.2	<5	140	<2	7.27	<0.5	17	68	52	3.37	10	0.44	<10	1.92	453	<1	0.10	40	4080	16	<5	69	0.12	<10	51	5	76
443	<2um	3.62	<0.2	<5	210	2	0.44	<0.5	18	58	19	3.38	10	0.22	30	0.77	441	1	0.08	31	4010	18	<5	28	0.13	<10	48	<5	44
444	<2um	3.25	<0.2	<5	170	<2	2.24	<0.5	13	72	26	5.88	10	0.19	30	1.53	365	<1	0.14	29	6900	14	<5	34	0.12	<10	62	<5	64
445	<2um	5.30	0.2	10	220	2	0.64	<0.5	31	96	42	4.85	10	0.36	80	1.17	1012	1	0.12	54	>10000	24	<5	40	0.13	<10	63	<5	76
446	<2um	3.55	<0.2	<5	150	<2	0.51	<0.5	19	64	28	3.38	10	0.24	40	0.80	477	<1	0.09	32	6600	14	<5	30	0.09	<10	45	<5	47
447	<2um	0.77	<0.2	<5	30	<2	11.20	<0.5	10	20	27	1.31	<10	0.13	<10	3.06	266	<1	0.06	11									

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
696	<2um	2.03	0.2	<5	120	<2	12.31	<0.5	9	43	57	2.21	<10	0.36	<10	1.84	396	<1	0.09	24	6420	<2	<5	86	0.06	<10	33	<5	65
8022	<2um	4.62	0.2	30	210	<2	6.11	<0.5	25	112	135	5.30	<10	0.57	<10	2.40	646	<1	0.62	67	2880	8	5	56	0.20	<10	70	<5	145
8023	<2um	3.42	0.2	20	120	<2	5.61	<0.5	22	87	66	4.07	<10	0.49	<10	2.61	632	<1	1.29	51	>10000	12	10	47	0.16	<10	55	<5	124
8024	<2um	2.82	0.2	10	90	<2	7.71	<0.5	17	81	60	3.40	<10	0.39	<10	2.40	464	<1	1.22	42	9650	10	<5	59	0.13	<10	49	<5	84
8025	<2um	3.29	0.2	15	120	<2	4.23	<0.5	23	86	86	4.12	10	0.45	10	2.72	619	<1	1.62	54	>10000	16	5	41	0.12	<10	58	<5	122
8026	<2um	2.69	0.2	5	140	<2	5.68	<0.5	17	72	116	3.73	<10	0.47	10	3.24	464	<1	1.46	44	>10000	6	<5	47	0.14	<10	54	<5	120
8027	<2um	3.74	0.2	10	130	<2	5.25	<0.5	22	96	62	4.20	<10	0.48	10	3.10	591	<1	0.84	56	3620	12	5	45	0.21	<10	63	<5	100
8028	<2um	2.61	0.2	<5	100	<2	13.13	<0.5	15	67	65	3.02	<10	0.33	<10	2.47	416	<1	0.64	33	3020	6	<5	81	0.15	<10	44	<5	72
8029	<2um	3.20	0.2	10	80	<2	5.32	<0.5	19	90	66	4.26	<10	0.40	10	2.71	542	<1	1.03	43	6510	6	5	45	0.18	<10	65	<5	102
8030	<2um	4.84	0.2	20	120	<2	1.59	<0.5	39	127	431	6.81	20	0.37	80	2.51	843	<1	1.21	107	8280	26	<5	31	0.19	<10	93	<5	190
8031	<2um	3.06	0.2	5	100	<2	10.60	<0.5	18	75	73	3.67	<10	0.50	<10	2.07	542	<1	0.74	42	3950	8	<5	78	0.14	<10	48	<5	131
8057	<2um	3.35	<0.2	30	100	<2	7.54	<0.5	26	91	80	4.33	<10	0.42	<10	2.75	691	<1	0.81	54	5710	14	5	56	0.19	<10	59	<5	132
8058	<2um	2.72	<0.2	10	110	<2	13.11	<0.5	15	71	107	3.50	<10	0.43	<10	2.08	510	<1	0.51	40	2750	10	5	84	0.15	<10	48	<5	118
8059	<2um	5.68	0.2	15	170	<2	1.62	<0.5	28	136	91	6.11	20	0.55	170	2.06	890	<1	0.99	71	5560	20	5	35	0.21	10	76	<5	124
8060	<2um	3.48	<0.2	35	140	<2	6.56	<0.5	28	91	107	4.42	<10	0.37	<10	2.83	955	<1	1.01	51	7820	16	5	50	0.18	<10	63	<5	114
Location Map D:																													
99	<2um	3.71	0.2	<5	150	6	5.73	1.0	20	96	87	4.32	20	0.66	30	1.87	565	<1	0.98	55	5540	6	10	56	0.17	10	68	5	98
100	<2um	3.01	0.2	<5	120	2	7.96	1.0	17	76	50	3.58	10	0.48	<10	1.87	505	<1	1.59	40	>10000	8	5	68	0.08	10	58	5	76
115	<2um	2.16	0.2	<5	90	2	13.53	<0.5	14	53	87	2.60	<10	0.35	<10	1.74	451	<1	1.16	37	>10000	4	<5	93	0.05	<10	39	<5	120
116	<2um	2.88	0.2	<5	120	<2	10.58	<0.5	16	71	93	3.38	10	0.52	<10	1.86	497	<1	1.32	44	>10000	6	<5	84	0.07	<10	49	<5	113
117	<2um	3.19	0.2	5	140	<2	4.07	0.5	22	83	123	3.97	10	0.48	<10	2.44	513	<1	3.10	76	>10000	14	<5	39	0.02	<10	59	<5	121
118	<2um	2.29	0.2	<5	100	<2	5.92	<0.5	15	59	97	2.94	<10	0.37	<10	2.44	482	<1	1.75	44	>10000	12	<5	44	0.03	<10	45	<5	95
119	<2um	2.19	0.2	<5	100	2	14.79	0.5	12	53	44	2.45	<10	0.38	<10	1.76	427	<1	1.05	28	7850	10	<5	103	0.05	<10	36	<5	66
120	<2um	3.04	0.2	<5	130	<2	6.52	0.5	16	80	83	3.70	10	0.53	<10	1.78	496	<1	1.38	50	>10000	8	<5	60	0.05	<10	57	<5	99
121	<2um	2.36	<0.2	<5	130	<2	9.56	<0.5	14	62	67	2.95	<10	0.46	<10	1.94	384	<1	0.14	32	6400	<2	<5	79	0.09	<10	48	<5	73
122	<2um	1.64	<0.2	10	80	<2	10.22	<0.5	4	42	48	1.98	<10	0.26	<10	2.76	322	<1	0.18	26	8400	<2	<5	78	0.08	<10	32	<5	58
123	<2um	2.29	<0.2	<5	120	<2	12.12	<0.5	13	56	59	2.53	<10	0.40	<10	2.07	433	<1	0.11	29	6740	<2	<5	104	0.08	<10	40	5	69
124	<2um	1.05	<0.2	5	40	<2	7.34	<0.5	11	26	25	1.41	<10	0.13	<10	2.85	297	<1	0.05	14	2220	<2	<5	53	0.08	<10	24	<5	38
125	<2um	1.54	0.4	<5	60	<2	7.36	<0.5	14	38	74	2.22	<10	0.26	<10	2.16	398	<1	4.54	34	>10000	8	<5	54	0.02	<10	34	<5	58
126	<2um	2.32	0.2	30	90	2	9.85	<0.5	18	59	72	2.89	10	0.34	<10	1.84	438	<1	1.38	35	>10000	<2	5	68	0.02	10	47	5	93
127	<2um	3.27	<0.2	<5	170	<2	7.60	0.5	12	87	89	3.88	10	0.56	<10	1.86	527	<1	0.14	41	5420	6	5	72	0.15	<10	65	5	87
128	<2um	0.93	<0.2	<5	50	<2	10.47	<0.5	10	25	32	1.28	<10	0.13	<10	2.95	235	<1	0.05	13	2070	2	<5	73	0.07	<10	23	<5	30
129	<2um	2.74	<0.2	<5	150	<2	8.34	<0.5	13	69	62	3.25	<10	0.53	<10	1.99	455	<1	0.13	34	5870	10	<5	81	0.10	<10	54	5	84
130	<2um	3.51	0.2	25	130	<2	5.62	<0.5	18	87	58	3.99	<10	0.62	30	1.79	502	<1	1.93	43	>10000	10	<5	56	0.05	10	66	10	108
131	<2um	3.20	<0.2	10	150	<2	8.14	<0.5	12	76	69	3.56	10	0.53	<10	2.01	484	<1	0.13	37	5930	4	<5	79	0.13	<10	58	5	84
132	<2um	2.74	<0.2	15	130	<2	5.40	<0.5	13	70	84	3.37	<10	0.37	<10	1.83	393	<1	0.12	40	4710	4	<5	51	0.11	<10	50	<5	86
133	<2um	1.21	<0.2	<5	70	<2	11.00	<0.5	10	31	28	1.57	<10	0.16	<10	2.65	287	<1	0.05	17	2350	<2	<5	80	0.07	<10	27	<5	34
134	<2um	3.38	<0.2	15	180	<2	6.94	<0.5	11	83	82	4.00	10	0.50	<10	1.96	478	<1	0.11	44	5270	<2	<5	69	0.14	<10	64	5	90
135	<2um	3.40	<0.2	5	170	<2	5.82	<0.5	12	83	78	3.89	10	0.56	<10	1.88	491	<1	0.26	42	>10000	<2	<5	62	0.11	<10	62	5	90
136	<2um	2.74	<0.2	<5	140	<2	6.55	<0.5	14	71	63	3.29	10	0.51	<10	1.99	416	<1	0.31	37	>10000	6	<5	65	0.06	<10	53	5	84
137	<2um	2.95	<0.2	<5	140	<2	7.80	<0.5	12	74	59	3.49	10	0.50	<10	2.03	472	<1	0.15	35	8360	2	<5	76	0.12	<10	59	5	82
138	<2um	2.86	0.2	15	100	2	3.93	<0.5	28	68	81	3.50	<10	0.32	40	2.13	932	<1	3.51	47	>10000	12	5	36	0.03	10	55	10	86
139	<2um	2.15	0.2	50	90	4	11.72	<0.5	15	49	50	2.40	10	0.31	<10	2.03	369	<1	2.29	28	>10000	<2	5	82	0.03	<10	37	5	83
140	<2um	1.61	0.2	10	70	4	7.30	<0.5	16	40	54	2.30	<10	0.22	10	2.60	417	<1	2.35	24	>10000	10	<5	50	0.03	10	33	<5	67
141	<2um	2.83	0.2	60	120	<2	9.02	<0.5	19	68	82	3.22	10	0.39	<10	2.16	490	<1	2.01	38	>10000	4	5	70	0.04	10	46	<5	110
142	<2um	0.46	<0.2	5	20	<2	9.61	<0.5	8	12	15	0.82	<10	0.05	<10	3.29	221	<1	0.03	7	1290	6	<5	61	0.05	<10	16	<5	15
143	<2um	2.94	<0.2	15	130	<2	6.14	<0.5	12	77	63	3.63	10	0.55	<10	1.99	439	<1	0.15	35	6550	14	5	68	0.12	<10	60	5	88
144	<2um	3.01	<0.2	<5	150	<2	8.20	<0.5	1	75	65	3.65	<10	0.55	20	1.90	435	<1	0.20	40	>10000	10	<5	80	0.10	<10	50	<5	95
201	<2um	6.14	0.2	30	150	<2	0.67	<0.5	24	123	40	5.12																	

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
206	<2um	1.43	0.2	15	90	2	7.03	<0.5	23	57	59	2.42	20	0.24	30	2.25	386	<1	2.23	47	>10000	4	10	50	0.02	10	43	5	68
207	<2um	5.46	0.2	25	150	4	0.27	<0.5	25	116	22	5.71	10	0.32	20	0.94	399	<1	1.95	51	>10000	20	<5	18	0.09	10	105	<5	68
208	<2um	4.60	0.2	45	290	<2	1.55	<0.5	22	129	64	4.86	10	0.54	50	1.90	393	<1	2.18	68	>10000	8	5	26	0.10	20	77	5	87
209	<2um	5.28	0.4	25	270	6	0.47	<0.5	26	181	59	4.83	10	0.31	100	1.01	260	<1	2.54	137	>10000	10	<5	20	0.05	50	101	5	174
210	<2um	4.40	0.2	25	150	4	0.56	<0.5	30	122	74	5.12	10	0.62	90	1.39	684	<1	2.18	101	>10000	8	5	27	0.09	50	81	5	89
211	<2um	4.41	0.6	15	380	<2	1.41	<0.5	26	225	111	4.45	10	0.63	80	1.62	368	<1	2.39	131	>10000	6	15	24	0.06	40	94	5	90
212	<2um	4.07	0.2	40	390	2	0.75	<0.5	37	225	87	5.91	10	0.58	70	1.47	792	<1	3.51	163	>10000	18	5	39	0.02	20	112	<5	78
213	<2um	1.89	0.2	10	150	<2	6.74	<0.5	20	108	100	2.84	20	0.35	20	2.45	379	<1	1.10	66	>10000	2	10	44	0.04	10	57	5	60
214	<2um	5.93	0.2	65	170	4	0.48	<0.5	25	136	31	6.43	10	0.25	50	0.94	469	<1	2.55	46	>10000	14	5	23	0.05	20	126	<5	73
215	<2um	4.93	0.2	20	200	2	1.08	<0.5	21	102	24	3.96	10	0.30	60	1.12	297	<1	5.01	44	>10000	10	5	26	0.04	20	73	5	68
216	<2um	5.47	0.4	30	270	2	0.80	<0.5	21	127	52	4.48	10	0.50	80	1.25	344	<1	3.33	77	>10000	20	5	24	0.06	30	83	5	92
217	<2um	2.24	0.4	20	380	<2	0.64	<0.5	44	100	144	4.76	<10	0.50	40	0.94	536	<1	5.01	162	>10000	24	<5	26	0.02	10	86	<5	62
218	<2um	4.66	0.4	<5	200	4	1.02	<0.5	16	84	20	3.96	20	0.22	20	0.56	106	<1	7.08	32	>10000	12	20	18	0.04	<10	126	<5	54
219	<2um	4.17	0.2	20	190	2	2.06	<0.5	21	120	46	4.39	10	0.54	50	1.74	427	<1	3.12	51	>10000	10	5	34	0.05	10	76	<5	83
220	<2um	4.78	0.2	15	620	4	1.23	<0.5	33	224	52	3.88	10	0.58	70	1.74	313	<1	3.36	122	>10000	20	<5	23	0.03	30	95	5	88
221	<2um	2.81	0.2	5	190	4	7.76	0.5	23	108	66	3.40	30	0.57	10	1.99	489	<1	2.63	57	>10000	12	15	48	0.02	10	60	5	104
222	<2um	4.08	0.2	20	170	<2	0.90	<0.5	24	123	59	4.64	10	0.56	80	1.41	709	<1	2.84	70	>10000	14	<5	24	0.06	50	72	5	85
223	<2um	4.68	0.4	30	280	<2	0.40	<0.5	54	146	84	5.92	<10	0.66	20	1.30	1038	<1	4.20	122	>10000	12	20	16	0.06	<10	120	10	92
224	<2um	4.19	0.2	<5	140	<2	2.84	0.5	20	118	86	4.93	10	0.57	<10	1.75	488	<1	1.28	72	7800	6	<5	41	0.16	<10	83	<5	98
225	<2um	4.88	0.6	20	300	<2	0.29	<0.5	34	157	57	5.14	10	0.39	30	0.99	648	<1	3.71	106	>10000	8	<5	20	0.04	<10	86	<5	69
226	<2um	5.71	0.4	25	230	<2	0.28	<0.5	37	118	88	5.15	10	0.40	40	1.15	927	<1	2.62	78	>10000	16	<5	24	0.08	<10	78	<5	82
227	<2um	3.78	0.6	5	130	<2	0.34	<0.5	11	83	18	3.28	20	0.49	10	0.76	294	1	3.48	32	>10000	18	<5	19	0.07	<10	77	<5	101
228	<2um	5.10	0.4	10	240	<2	0.22	<0.5	36	204	48	5.60	<10	0.24	20	1.44	424	<1	4.78	114	>10000	20	<5	16	0.04	<10	94	<5	64
229	<2um	4.97	0.2	20	150	<2	0.36	0.5	26	135	58	5.78	10	0.44	70	1.32	690	<1	2.73	78	>10000	12	<5	41	0.05	<10	85	<5	83
230	<2um	3.15	0.2	<5	110	<2	0.23	<0.5	12	87	15	3.59	<10	0.16	20	0.56	289	<1	1.14	36	>10000	8	<5	25	0.06	<10	63	<5	40
231	<2um	6.18	0.2	<5	230	<2	0.67	0.5	24	159	26	5.94	10	0.34	50	1.53	438	<1	1.45	68	>10000	12	<5	22	0.17	<10	102	<5	145
232	<2um	2.68	0.2	<5	110	<2	9.75	0.5	13	66	43	2.86	<10	0.44	<10	1.49	375	<1	2.29	36	>10000	6	<5	62	0.03	<10	46	<5	78
233	<2um	5.12	0.2	10	450	<2	0.78	0.5	29	256	212	7.43	10	1.54	50	2.75	548	<1	1.31	163	7280	<2	<5	20	0.20	<10	172	<5	131
234	<2um	3.99	0.2	10	220	<2	1.10	<0.5	20	137	80	4.04	10	0.48	50	1.48	325	<1	2.61	85	>10000	<2	<5	23	0.06	<10	78	<5	99
235	<2um	3.00	0.2	5	110	<2	5.48	0.5	13	72	55	3.52	10	0.57	<10	1.61	425	<1	2.69	38	>10000	14	<5	58	0.02	<10	60	<5	100
236	<2um	3.42	0.2	<5	140	<2	3.74	0.5	18	82	62	3.85	10	0.45	<10	1.72	562	<1	2.15	45	>10000	6	<5	44	0.04	<10	61	<5	78
237	<2um	4.08	0.2	<5	120	<2	1.25	0.5	17	100	49	4.40	10	0.55	30	1.79	412	<1	2.06	54	>10000	8	<5	33	0.06	<10	71	<5	91
238	<2um	3.69	0.2	10	120	<2	2.68	<0.5	17	94	51	3.94	10	0.47	10	1.93	413	<1	3.29	50	>10000	<2	<5	37	0.03	<10	65	<5	75
239	<2um	1.91	0.2	<5	90	<2	12.83	<0.5	11	46	41	2.08	<10	0.32	<10	1.82	360	<1	2.27	27	>10000	10	<5	93	0.03	<10	31	<5	62
240	<2um	4.98	0.2	95	120	<2	0.43	0.5	28	127	114	6.08	10	0.44	90	1.54	678	<1	1.95	114	>10000	14	<5	27	0.10	<10	82	<5	103
241	<2um	2.52	0.4	<5	90	<2	5.51	0.5	14	62	54	2.97	<10	0.41	<10	1.55	395	<1	3.45	35	>10000	12	<5	54	0.03	<10	49	<5	84
242	<2um	2.97	0.2	<5	110	<2	2.02	0.5	14	73	44	3.52	<10	0.42	10	1.61	474	<1	3.05	44	>10000	10	<5	31	0.04	<10	52	<5	73
243	<2um	5.74	0.2	<5	220	<2	0.34	<0.5	34	146	48	4.90	<10	0.40	20	1.22	414	<1	4.18	102	>10000	8	<5	20	0.06	<10	76	<5	72
244	<2um	3.00	0.2	<5	270	2	8.86	0.5	16	141	93	3.74	10	0.93	<10	2.28	404	<1	0.90	65	4900	6	<5	60	0.09	<10	73	<5	78
245	<2um	2.67	0.2	<5	100	<2	5.63	0.5	13	64	58	3.08	<10	0.45	<10	1.44	400	<1	2.69	35	>10000	12	<5	54	0.04	<10	51	<5	88
246	<2um	4.20	0.2	<5	130	<2	1.04	0.5	19	99	58	4.58	10	0.34	30	1.50	405	<1	1.74	53	>10000	8	<5	24	0.11	<10	72	<5	88
247	<2um	3.13	0.2	<5	100	<2	5.34	<0.5	16	81	54	3.62	10	0.48	<10	1.50	484	<1	1.45	42	>10000	10	<5	43	0.08	<10	55	<5	77
248	<2um	3.44	0.2	<5	130	<2	3.13	0.5	18	87	66	3.95	10	0.51	<10	1.67	537	<1	1.70	49	>10000	2	<5	38	0.07	<10	61	<5	88
249	<2um	3.21	0.2	10	130	<2	7.02	<0.5	12	79	53	3.55	10	0.62	<10	1.52	483	<1	1.09	41	7820	10	<5	65	0.06	<10	59	<5	90
250	<2um	3.33	0.6	<5	110	<2	3.29	0.5	15	83	79	3.84	10	0.57	<10	1.64	412	<1	1.51	46	>10000	8	<5	38	0.05	<10	63	<5	103
251	<2um	3.21	0.2	5	120	<2	2.47	0.5	21	80	94	4.08	10	0.42	10	1.80	561	<1	2.91	54	>10000	14	<5	31	0.03	<10	62	<5	119
252	<2um	5.03	0.2	15	280	<2	0.32	0.5	35	111	83	5.19	10	0.42	90	0.99	1641	<1	3.59	81	>10000	22	<5	19	0.03	<10	72	<5	81
253	<2um	5.96	0.6	15	170	<2	0.68	0.5	40	132	63	6.30	10	0.25	50	1.18	394	<1	1.75	97	>10000	14	<5	21	0.15	<10	110	<5	100
254	<2um	2.32	0.2	<5	110	<2	10.88	<0.5	12	56	53	2.64	<10	0.41	<10	1.46	433	<1	1.01	30	7790	2	<5	84	0.07	<10	38	<5	72
255	<																												

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
259	<2um	1.46	0.4	10	60	<2	2.54	<0.5	14	38	26	1.70	<10	0.18	40	1.12	344	<1	4.18	20	>10000	12	<5	26	0.04	<10	26	<5	38
260	<2um	1.56	0.4	<5	70	2	>15.0	0.5	10	35	26	1.65	<10	0.27	<10	1.51	367	<1	1.68	20	>10000	4	<5	94	0.03	<10	25	<5	54
261	<2um	1.98	0.6	<5	90	2	12.14	<0.5	11	47	29	2.12	<10	0.39	<10	1.58	390	<1	1.39	27	>10000	4	<5	84	0.05	<10	33	<5	58
262	<2um	2.70	0.4	<5	120	<2	8.11	<0.5	13	64	42	2.99	<10	0.38	<10	1.50	449	<1	1.06	37	7680	4	<5	52	0.08	<10	45	<5	60
263	<2um	2.43	0.2	<5	140	<2	9.75	0.5	12	73	62	2.85	<10	0.50	<10	1.56	403	<1	0.97	42	7050	6	<5	70	0.07	<10	46	<5	68
264	<2um	3.89	0.2	5	240	<2	1.10	0.5	20	157	156	4.88	10	0.73	60	1.64	444	<1	2.34	104	>10000	4	<5	24	0.04	<10	96	<5	97
265	<2um	4.44	0.2	5	200	<2	0.43	<0.5	25	139	63	4.64	10	0.57	20	1.50	622	<1	2.19	81	>10000	12	<5	26	0.06	<10	77	<5	80
266	<2um	3.36	0.2	<5	140	2	5.02	0.5	12	79	78	3.58	10	0.67	<10	1.44	415	<1	1.69	42	>10000	10	<5	49	0.04	<10	57	<5	99
267	<2um	3.62	0.2	5	200	<2	2.11	<0.5	18	99	109	4.20	10	0.59	10	2.23	498	<1	1.13	60	7250	10	<5	31	0.08	<10	68	<5	81
268	<2um	3.58	0.2	<5	230	<2	1.62	0.5	19	117	80	4.24	10	0.68	40	1.73	545	<1	2.15	77	>10000	8	<5	34	0.03	<10	66	<5	113
269	<2um	4.07	0.4	10	290	<2	0.84	0.5	24	197	102	5.38	10	0.75	120	1.78	651	<1	1.62	132	>10000	8	<5	23	0.06	<10	96	<5	116
270	<2um	4.98	0.2	<5	280	<2	0.43	0.5	23	179	60	5.19	10	0.61	40	1.60	585	<1	1.80	85	>10000	4	<5	23	0.07	<10	80	<5	84
271	<2um	1.59	0.2	5	100	<2	6.03	<0.5	11	57	48	2.09	<10	0.36	<10	2.20	257	<1	0.63	36	4900	6	<5	43	0.05	<10	39	<5	52
272	<2um	3.75	0.2	<5	140	<2	1.60	0.5	18	94	77	4.34	10	0.51	20	1.70	521	<1	1.37	57	>10000	10	<5	31	0.08	<10	67	<5	89
273	<2um	2.45	0.2	<5	110	<2	9.62	0.5	13	61	49	2.71	<10	0.39	<10	1.61	412	<1	1.07	31	8230	8	<5	68	0.05	<10	41	<5	60
274	<2um	3.78	0.2	5	320	<2	0.77	0.5	19	91	46	3.94	10	0.41	50	1.20	530	<1	2.55	61	>10000	14	<5	27	0.04	<10	58	<5	63
275	<2um	1.80	0.2	<5	80	<2	4.68	<0.5	11	46	46	2.25	<10	0.30	<10	1.43	315	<1	4.53	33	>10000	4	<5	43	0.02	<10	35	<5	78
276	<2um	2.10	0.4	<5	80	<2	1.72	<0.5	16	50	36	2.76	<10	0.34	20	1.02	494	<1	5.64	34	>10000	12	<5	24	0.06	<10	40	<5	76
277	<2um	2.81	0.4	<5	110	2	6.23	0.5	12	69	46	3.27	10	0.53	<10	1.61	431	<1	1.26	35	>10000	10	<5	56	0.07	<10	55	<5	81
278	<2um	2.82	0.2	5	110	<2	2.29	<0.5	17	72	70	3.68	<10	0.33	<10	1.72	390	<1	1.64	42	>10000	4	<5	28	0.05	<10	54	<5	77
279	<2um	1.55	0.2	10	60	<2	3.50	<0.5	14	42	30	2.19	<10	0.22	<10	1.83	399	<1	3.11	27	>10000	6	<5	29	0.03	<10	31	<5	45
280	<2um	2.99	0.2	<5	120	<2	6.96	<0.5	12	72	40	3.35	10	0.58	<10	1.67	438	<1	1.01	34	7020	12	<5	62	0.07	<10	56	<5	78
281	<2um	3.68	0.2	<5	160	<2	2.17	<0.5	21	97	55	4.06	10	0.45	10	1.91	465	<1	2.04	57	>10000	6	<5	31	0.05	<10	65	<5	83
282	<2um	4.17	0.4	20	150	<2	1.32	<0.5	17	98	45	3.98	10	0.41	30	1.37	324	<1	2.68	54	>10000	6	<5	26	0.05	<10	65	<5	82
283	<2um	3.21	0.2	<5	120	<2	5.27	<0.5	12	79	59	3.56	<10	0.59	<10	1.51	429	<1	1.07	39	7480	6	<5	53	0.09	<10	58	<5	86
284	<2um	2.33	<0.2	75	80	<2	5.08	<0.5	28	62	79	3.20	<10	0.21	<10	2.34	513	<1	0.08	56	3110	8	<5	47	0.09	<10	45	<5	59
285	<2um	3.15	0.2	120	120	<2	0.54	<0.5	54	77	100	4.67	10	0.21	60	1.04	836	<1	0.06	113	3830	26	<5	28	0.10	<10	54	<5	78
8032	<2um	3.66	0.2	20	100	<2	5.82	<0.5	34	86	105	4.96	<10	0.32	<10	2.17	802	<1	1.47	55	>10000	18	<5	47	0.10	<10	66	<5	120
8033	<2um	4.36	0.2	20	130	<2	3.19	<0.5	26	112	125	5.55	10	0.39	40	2.30	634	<1	1.22	67	7680	14	<5	37	0.20	<10	80	<5	139
8034	<2um	3.10	0.2	5	100	<2	12.15	<0.5	17	78	70	3.64	<10	0.45	<10	2.05	548	<1	0.82	44	4520	6	<5	82	0.14	<10	49	<5	109
8035	<2um	2.19	0.2	5	70	<2	11.78	<0.5	20	60	89	2.91	<10	0.29	<10	2.59	611	<1	0.72	41	6780	16	<5	78	0.12	<10	41	<5	129
8051	<2um	3.32	0.2	30	300	<2	3.66	<0.5	30	179	267	5.10	10	0.64	60	3.12	569	<1	0.51	163	4090	18	5	35	0.20	<10	102	<5	121
8052	<2um	2.78	0.2	5	210	<2	9.82	<0.5	21	117	118	3.76	<10	0.49	<10	2.76	516	<1	0.47	80	2460	10	<5	62	0.19	<10	64	<5	97
8053	<2um	4.66	0.2	15	310	<2	2.15	<0.5	25	127	106	5.64	20	0.59	40	2.35	593	<1	1.21	81	9630	6	5	33	0.20	<10	80	<5	125
8054	<2um	5.86	0.2	40	200	<2	0.75	<0.5	35	161	126	6.61	30	0.75	170	1.91	895	<1	1.11	135	9030	18	<5	31	0.20	20	89	<5	147
8055	<2um	2.75	0.2	65	200	<2	0.68	<0.5	37	178	215	5.03	20	0.54	150	1.48	956	<1	0.61	214	5630	16	5	21	0.18	20	74	<5	128
8056	<2um	4.78	0.2	30	170	<2	2.35	<0.5	36	119	108	5.70	10	0.46	50	2.32	1106	<1	1.91	79	>10000	18	10	42	0.15	<10	76	<5	135
Location Map E:																													
26	<2um	0.59	0.2	<5	20	<2	8.99	<0.5	13	15	9	1.11	10	0.10	<10	2.90	247	<1	0.38	9	4110	<2	5	54	0.05	10	17	5	26
27	<2um	1.41	0.2	<5	50	<2	10.60	<0.5	14	38	45	1.98	<10	0.26	<10	2.36	378	<1	0.80	22	7130	8	<5	77	0.07	<10	29	10	81
28	<2um	3.47	<0.2	<5	110	<2	4.51	0.5	16	90	69	4.34	10	0.58	<10	1.77	495	<1	0.81	53	3350	10	<5	51	0.17	<10	62	20	104
29	<2um	1.81	0.2	<5	70	<2	9.56	<0.5	11	46	38	2.34	<10	0.28	<10	2.10	358	<1	0.92	26	7050	6	<5	71	0.09	<10	33	15	55
31	<2um	0.76	0.4	<5	30	<2	10.03	<0.5	8	19	14	1.13	<10	0.12	<10	2.87	205	<1	0.45	10	4100	2	<5	64	0.06	<10	18	5	26
32	<2um	2.37	0.4	<5	90	<2	11.26	<0.5	13	58	46	2.67	<10	0.38	<10	1.73	410	<1	1.21	30	8990	<2	<5	76	0.06	<10	38	15	66
37	<2um	1.77	<0.2	<5	60	<2	5.83	<0.5	11	43	32	2.23	<10	0.30	<10	2.34	326	<1	0.94	26	7850	4	<5	44	0.06	<10	33	10	61
50	<2um	3.42	<0.2	<5	140	<2	5.14	0.5	15	94	49	4.35	10	0.65	<10	1.80	518	<1	1.21	41	8590	2	<5	58	0.13	<10	71	20	98
51	<2um	2.00	0.2	5	70	<2	10.60	<0.5	13	52	55	2.67	<10	0.35	<10	2.16	448	<1	0.71	27	5310	8	<5	82	0.11	<10	39	15	76
52	<2um	1.62	0.2	<5	60	<2	9.66	<0.5	10	43	31	2.11	<10	0.33	<10	2.41	343	<1	0.81	21	7440	20	<5	75	0.08	<10	32	10	51
53	<2um	2.97	<0.2	5	110	<2	6.75	<0.5	13	83	56	3.85	10	0.62	<10	1.98	480	<1	0.96	38	6790								

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
322	<2um	2.26	0.2	<5	70	<2	3.29	<0.5	12	59	36	2.50	<10	0.23	<10	2.12	272	<1	1.44	32	>10000	4	<5	33	0.06	<10	42	<5	54
325	<2um	3.87	<0.2	<5	60	<2	0.35	<0.5	22	151	61	4.06	<10	0.21	40	1.31	492	<1	1.18	61	7890	6	<5	25	0.13	<10	76	<5	64
326	<2um	0.61	0.6	<5	20	<2	10.06	<0.5	7	18	13	1.00	<10	0.10	<10	2.93	192	<1	0.55	10	5790	<2	<5	65	0.05	<10	18	<5	24
327	<2um	2.26	0.4	<5	70	<2	3.82	<0.5	18	63	46	2.97	<10	0.37	<10	1.79	646	<1	1.49	57	>10000	14	<5	42	0.04	<10	46	<5	77
328	<2um	1.55	0.8	<5	70	<2	13.11	<0.5	11	40	28	1.79	<10	0.26	<10	2.44	334	<1	0.49	21	3140	4	<5	91	0.07	<10	31	<5	42
329	<2um	2.19	0.6	<5	90	<2	9.67	0.5	14	59	52	2.64	<10	0.34	<10	1.54	487	<1	1.47	32	>10000	14	<5	68	0.03	<10	46	<5	72
330	<2um	2.19	0.6	<5	90	<2	8.86	<0.5	16	56	47	2.55	<10	0.38	<10	2.14	421	<1	2.76	36	>10000	14	<5	64	0.02	<10	41	<5	91
331	<2um	2.63	0.4	10	110	<2	4.97	<0.5	20	66	43	3.17	<10	0.41	<10	1.67	562	<1	5.01	39	>10000	12	<5	45	0.02	<10	50	<5	88
400	<2um	0.40	<0.2	<5	20	<2	9.71	<0.5	7	13	14	0.73	<10	0.06	<10	2.90	168	<1	0.03	7	1300	4	<5	60	0.05	<10	14	<5	16
401	<2um	1.63	<0.2	<5	110	<2	9.97	<0.5	9	39	39	1.95	<10	0.19	<10	3.28	346	1	0.08	20	3630	8	<5	70	0.05	<10	32	<5	35
404	<2um	0.81	<0.2	<5	40	<2	8.52	<0.5	8	17	24	1.11	<10	0.10	<10	3.26	208	<1	0.05	9	2140	4	<5	57	0.08	<10	20	<5	23
405	<2um	5.81	0.2	<5	240	4	1.12	0.5	25	122	42	5.34	10	0.58	200	1.39	908	<1	0.15	52	9720	14	<5	49	0.15	<10	66	<5	89
406	<2um	1.13	<0.2	<5	40	<2	6.91	<0.5	8	28	12	1.37	<10	0.11	<10	2.68	185	<1	0.05	12	1930	<2	<5	51	0.08	<10	25	<5	22
407	<2um	7.13	0.2	<5	280	<2	1.25	0.5	18	122	36	5.64	10	0.49	100	1.58	469	<1	0.20	45	9290	12	<5	36	0.16	<10	92	<5	108
408	<2um	2.83	<0.2	<5	130	<2	6.79	<0.5	15	70	46	3.48	10	0.55	<10	2.03	472	<1	0.15	34	6280	10	<5	71	0.09	<10	55	<5	85
409	<2um	2.95	<0.2	<5	150	<2	6.69	<0.5	19	70	79	3.59	10	0.30	<10	2.22	423	<1	0.22	41	9550	10	<5	59	0.07	<10	52	5	85
410	<2um	0.47	<0.2	<5	20	<2	8.91	<0.5	10	15	16	0.78	<10	0.07	<10	2.47	195	<1	0.04	9	1570	6	<5	56	0.04	<10	14	<5	20
411	<2um	0.44	<0.2	<5	10	<2	7.88	<0.5	9	11	8	0.66	<10	0.06	<10	2.64	189	<1	0.04	8	1740	2	<5	47	0.04	<10	12	<5	18
412	<2um	0.91	<0.2	<5	30	<2	7.33	<0.5	8	25	20	1.37	<10	0.11	<10	2.57	197	<1	0.11	12	4830	6	<5	48	0.06	<10	25	<5	26
413	<2um	2.08	<0.2	<5	100	2	8.70	<0.5	8	47	56	2.42	<10	0.36	<10	2.42	338	<1	0.22	24	>10000	6	<5	73	0.08	<10	37	<5	63
419	<2um	2.28	<0.2	<5	120	2	12.87	0.5	11	53	35	2.48	<10	0.36	<10	1.76	394	<1	0.13	29	8510	10	<5	93	0.06	<10	35	<5	55
427	<2um	2.03	<0.2	10	100	<2	9.13	<0.5	16	46	60	2.47	<10	0.32	<10	2.51	486	<1	0.11	26	4220	6	<5	73	0.09	<10	39	<5	69
428	<2um	1.48	0.2	<5	70	2	8.17	<0.5	9	35	41	1.73	<10	0.17	<10	3.18	299	<1	0.09	21	3650	14	<5	54	0.07	<10	28	<5	37
429	<2um	2.22	<0.2	<5	90	<2	5.63	<0.5	13	53	46	2.58	<10	0.25	<10	2.90	320	<1	0.09	29	3680	8	<5	47	0.11	<10	41	<5	61
430	<2um	4.88	<0.2	<5	200	<2	2.46	<0.5	17	106	67	4.80	10	0.50	30	2.00	459	1	0.15	56	6930	4	<5	45	0.16	<10	75	<5	108
437	<2um	3.29	0.2	<5	170	<2	7.39	<0.5	16	67	58	3.49	10	0.48	<10	2.24	545	<1	0.11	39	3970	16	<5	68	0.12	<10	50	<5	76
438	<2um	3.48	0.2	<5	170	<2	4.18	<0.5	17	68	64	3.77	10	0.45	<10	2.33	619	<1	0.11	41	3910	10	<5	54	0.14	<10	54	<5	91
440	<2um	3.17	<0.2	<5	160	<2	5.27	<0.5	18	75	55	3.72	10	0.50	<10	1.71	577	<1	0.11	38	4190	8	<5	60	0.13	<10	61	5	79
441	<2um	1.21	<0.2	<5	50	<2	10.20	<0.5	9	33	24	1.72	<10	0.22	<10	2.95	371	<1	0.08	17	3190	2	<5	76	0.08	<10	30	<5	37
442	<2um	2.49	<0.2	5	110	2	5.52	<0.5	13	53	64	2.70	<10	0.26	<10	2.47	338	<1	0.09	29	3750	8	<5	53	0.09	<10	43	<5	62
449	<2um	2.51	<0.2	<5	110	2	9.36	<0.5	14	59	50	2.85	10	0.35	<10	2.02	456	<1	0.11	30	3740	8	<5	75	0.09	<10	44	<5	57
450	<2um	2.08	<0.2	<5	110	4	10.19	<0.5	15	48	42	2.56	<10	0.35	<10	1.98	524	<1	0.09	25	4310	8	<5	85	0.08	<10	41	<5	65
452	<2um	3.18	<0.2	<5	140	<2	6.60	0.5	14	75	47	3.68	10	0.54	<10	1.83	461	<1	0.13	38	5730	8	<5	68	0.13	<10	61	<5	85
Location Map F:																													
301	<2um	1.98	<0.2	10	100	<2	2.04	<0.5	14	54	44	2.58	<10	0.36	40	1.34	330	<1	2.66	42	>10000	4	<5	40	0.06	<10	42	<5	58
302	<2um	1.85	0.4	<5	100	<2	11.18	0.5	12	57	61	2.43	<10	0.33	<10	1.26	324	<1	1.43	35	>10000	8	<5	67	0.06	<10	42	<5	54
303	<2um	1.98	0.2	10	90	<2	6.98	<0.5	13	58	52	2.66	<10	0.38	<10	1.59	355	<1	2.15	35	>10000	8	<5	56	0.04	<10	46	<5	57
305	<2um	2.14	0.4	<5	150	<2	7.24	<0.5	19	70	56	2.73	<10	0.43	<10	1.46	565	<1	3.12	48	>10000	10	<5	58	0.02	<10	48	<5	76
306	<2um	3.79	<0.2	10	330	<2	2.64	<0.5	21	180	92	4.65	10	1.01	10	2.74	571	<1	1.64	91	>10000	6	<5	31	0.05	<10	84	<5	93
308	<2um	3.07	0.2	15	140	<2	3.92	<0.5	15	78	97	3.55	10	0.61	<10	1.66	546	<1	1.87	52	>10000	10	<5	40	0.03	<10	55	<5	102
309	<2um	0.71	0.4	10	40	2	6.77	<0.5	13	40	26	1.23	<10	0.11	<10	2.50	300	<1	2.66	19	>10000	8	<5	44	0.02	<10	24	<5	23
310	<2um	3.33	0.2	15	330	<2	4.16	<0.5	22	188	86	4.18	10	1.01	<10	3.02	551	<1	1.08	98	6220	2	<5	34	0.05	<10	87	<5	93
311	<2um	2.94	0.2	20	120	<2	2.12	<0.5	19	88	79	3.48	<10	0.47	10	1.35	620	<1	4.37	59	>10000	14	<5	30	0.03	<10	58	<5	81
312	<2um	3.11	0.2	25	160	<2	5.34	<0.5	13	91	84	3.58	10	0.71	<10	1.65	418	<1	1.27	55	9580	12	5	52	0.05	<10	68	<5	83
313	<2um	2.59	0.2	45	240	2	2.28	<0.5	21	110	74	2.98	<10	0.52	10	1.53	578	<1	5.01	69	>10000	<2	<5	26	0.02	<10	60	<5	79
314	<2um	2.26	0.4	<5	110	<2	5.86	<0.5	14	63	51	2.56	<10	0.34	<10	2.76	502	<1	1.04	40	7600	8	<5	42	0.05	<10	41	<5	67
315	<2um	3.97	<0.2	<5	160	<2	0.81	<0.5	17	99	61	4.26	10	0.67	30	1.60	415	<1	1.58	54	>10000	8	<5	29	0.06	<10	71	<5	90
316	<2um	3.51	<0.2	<5	140	<2	0.83	0.5	17	106	46	4.04	10	0.54	40	1.52	380	<1	2.15	64	>10000	2	<5	26	0.07	<10	69	<5	79
317	<2um	2.51	0.2	<5	120	<2	6.11	<0.5	13	54	40	2.50	<10	0.43	<10	1.91	325	<1	2										

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
324	<2um	0.83	0.8	<5	30	2	12.07	<0.5	7	20	23	1.16	<10	0.11	<10	2.24	288	<1	0.71	14	7140	4	<5	77	0.05	<10	21	<5	29
332	<2um	3.57	0.2	<5	170	<2	3.16	0.5	19	105	56	3.80	<10	0.47	<10	1.84	424	<1	2.09	60	>10000	4	<5	36	0.06	<10	64	<5	82
334	<2um	2.56	<0.2	10	100	<2	6.06	<0.5	24	62	80	3.32	<10	0.42	<10	1.82	580	<1	3.76	56	>10000	16	<5	54	0.06	<10	52	<5	122
335	<2um	5.03	<0.2	<5	160	<2	0.79	0.5	21	110	35	4.67	10	0.37	30	1.48	491	<1	1.97	58	>10000	6	<5	28	0.14	<10	75	<5	93
336	<2um	3.84	0.2	10	90	<2	0.45	<0.5	20	99	240	5.05	<10	0.21	70	1.01	754	<1	2.98	56	>10000	12	<5	17	0.08	<10	86	<5	64
337	<2um	2.55	0.4	<5	90	<2	5.58	0.5	23	66	68	3.14	<10	0.30	<10	1.60	594	<1	2.96	46	>10000	10	<5	48	0.04	<10	52	<5	87
338	<2um	3.03	0.2	<5	120	<2	3.35	0.5	14	85	39	3.50	<10	0.43	<10	2.55	415	<1	2.68	52	>10000	6	<5	34	0.04	<10	55	<5	68
339	<2um	4.03	<0.2	65	130	<2	1.19	0.5	31	113	139	5.62	10	0.41	40	1.71	773	<1	1.44	119	>10000	42	5	31	0.12	<10	75	<5	110
340	<2um	5.06	<0.2	15	150	<2	0.58	0.5	25	128	49	5.85	10	0.44	40	1.63	529	<1	1.36	69	9110	12	<5	27	0.17	<10	93	<5	97
8061	<2um	2.51	<0.2	<5	130	<2	7.83	<0.5	25	117	146	3.88	<10	0.40	<10	2.91	564	<1	0.80	90	7810	24	5	57	0.17	<10	66	<5	188
8064	<2um	4.04	<0.2	10	130	<2	6.02	<0.5	17	93	86	4.42	<10	0.58	<10	2.53	484	<1	2.67	56	>10000	16	5	52	0.08	<10	57	<5	135
8065	<2um	4.25	0.2	10	130	<2	4.28	<0.5	23	105	107	4.85	10	0.56	10	2.44	649	<1	1.85	61	>10000	14	<5	46	0.18	<10	63	<5	134
8066	<2um	3.44	<0.2	<5	110	<2	6.21	<0.5	19	90	65	4.05	<10	0.45	<10	2.68	601	<1	1.43	51	>10000	10	<5	52	0.17	<10	57	<5	103
8067	<2um	3.76	0.8	<5	140	<2	3.58	<0.5	36	96	84	4.72	<10	0.48	40	2.36	1072	<1	3.86	72	>10000	28	<5	46	0.14	<10	60	<5	138

Location Map G:

7	<2um	6.66	<0.2	<5	130	<2	0.29	1.0	49	129	94	6.45	10	0.36	30	1.05	1350	<1	2.62	104	>10000	32	<5	12	0.08	<10	98	5	73
8	<2um	3.78	<0.2	<5	210	<2	0.62	0.5	33	155	197	5.52	10	0.77	60	2.39	890	<1	1.11	131	7850	8	<5	26	0.13	40	98	10	109
9	<2um	5.42	<0.2	<5	310	<2	0.36	1.0	40	201	168	6.73	10	0.99	40	2.28	821	<1	0.64	133	3910	18	<5	21	0.31	10	126	10	89
10	<2um	2.49	<0.2	20	190	<2	2.01	<0.5	55	113	191	5.81	10	0.41	130	1.65	1039	<1	1.40	145	>10000	24	<5	27	0.08	80	104	15	147
11	<2um	1.10	<0.2	<5	70	<2	8.51	0.5	15	40	40	1.73	10	0.24	<10	2.55	257	<1	0.44	24	4100	2	5	54	0.08	<10	32	5	45
12	<2um	2.49	<0.2	<5	160	<2	14.64	<0.5	18	82	66	3.00	10	0.42	<10	2.02	478	<1	0.83	43	5980	8	10	82	0.12	<10	46	10	65
45	<2um	1.53	<0.2	<5	90	<2	8.71	<0.5	11	50	48	2.07	<10	0.32	<10	2.19	328	<1	0.57	27	4620	2	<5	63	0.10	<10	34	10	47
46	<2um	1.41	<0.2	<5	110	<2	6.53	0.5	16	77	55	2.40	<10	0.36	<10	2.41	302	<1	0.70	45	7140	<2	<5	46	0.09	<10	48	10	50
58	<2um	2.36	0.2	<5	160	<2	9.64	<0.5	14	77	68	2.88	<10	0.46	<10	2.13	374	<1	1.37	43	>10000	8	<5	70	0.04	<10	43	15	73
59	<2um	2.39	<0.2	<5	160	<2	10.41	0.5	14	85	55	3.06	<10	0.54	<10	1.97	405	<1	1.06	40	7810	2	<5	82	0.07	<10	48	15	76
60	<2um	2.10	<0.2	<5	100	<2	7.96	<0.5	17	73	68	2.90	<10	0.31	<10	2.17	468	<1	1.19	40	>10000	6	<5	54	0.09	<10	47	15	61
146	<2um	2.43	0.2	30	110	2	14.17	<0.5	15	65	50	2.58	20	0.39	<10	2.36	383	<1	1.05	32	7320	2	5	99	0.05	10	40	5	65
147	<2um	3.78	0.2	55	160	<2	4.68	<0.5	24	112	127	4.35	<10	0.39	40	2.07	620	<1	2.20	58	>10000	4	5	40	0.07	20	76	5	80
148	<2um	0.95	0.2	<5	40	<2	7.75	0.5	12	30	22	1.35	<10	0.15	<10	2.87	218	<1	0.33	19	3090	4	5	48	0.06	<10	25	<5	32
149	<2um	3.33	0.2	20	130	<2	7.61	<0.5	19	84	92	3.61	10	0.54	10	1.83	500	<1	1.84	47	>10000	16	10	68	0.06	10	56	5	102
150	<2um	3.78	0.2	35	220	<2	1.03	0.5	72	175	496	6.29	<10	1.04	70	2.28	832	1	4.18	292	>10000	84	5	21	0.02	30	114	10	817
8063	<2um	4.95	0.2	20	250	<2	1.11	<0.5	69	248	553	8.48	20	1.38	60	3.27	973	5	1.25	370	>10000	110	5	27	0.17	<10	137	<5	1046
151	<2um	3.07	0.2	45	190	<2	3.63	<0.5	32	135	184	4.42	<10	0.54	50	2.31	718	<1	3.18	112	>10000	30	<5	39	0.02	20	81	5	224
8062	<2um	4.40	0.4	20	160	<2	4.16	<0.5	20	114	98	5.14	10	0.61	10	2.28	549	<1	0.81	63	4610	12	<5	41	0.19	<10	72	<5	124
152	<2um	4.92	0.4	45	160	<2	0.48	<0.5	63	132	106	5.43	10	0.40	70	1.37	1001	<1	4.01	165	>10000	60	<5	21	0.03	50	84	5	134

Location Map H:

3	<2um	2.56	<0.2	<5	130	<2	4.99	1.0	28	79	81	4.24	10	0.49	40	2.26	755	<1	2.62	50	>10000	38	<5	43	0.03	10	68	10	118
4	<2um	2.46	<0.2	<5	130	<2	9.86	<0.5	22	76	89	3.30	10	0.61	<10	2.14	581	<1	1.47	40	>10000	<2	<5	73	0.03	<10	55	10	104
5	<2um	2.30	<0.2	10	160	<2	12.83	<0.5	20	73	40	3.13	10	0.65	<10	2.09	683	<1	0.47	35	2210	14	10	88	0.16	<10	53	10	68
13	<2um	2.79	<0.2	<5	150	<2	5.97	0.5	31	93	100	3.86	10	0.60	20	2.55	675	<1	1.56	71	>10000	18	<5	45	0.05	<10	62	10	132
14	<2um	3.06	0.2	<5	130	<2	3.09	1.0	36	74	121	4.49	10	0.53	80	1.70	1138	<1	3.97	47	>10000	20	5	36	0.03	30	64	10	129
15	<2um	3.21	<0.2	<5	130	<2	7.79	0.5	21	77	96	3.87	10	0.53	20	1.80	571	<1	1.08	53	8670	8	5	65	0.11	<10	58	10	106
16	<2um	2.04	<0.2	<5	80	<2	6.74	<0.5	24	51	72	2.78	10	0.30	20	2.52	626	<1	1.57	35	>10000	10	5	49	0.05	<10	40	5	88
17	<2um	2.82	<0.2	<5	110	<2	7.85	<0.5	22	70	74	3.41	10	0.36	10	2.28	621	<1	1.03	44	7770	4	<5	58	0.11	<10	52	10	88
18	<2um	0.91	0.2	<5	30	<2	10.24	0.5	11	24	20	1.28	10	0.16	<10	2.64	280	<1	0.23	8	1850	6	5	64	0.08	<10	21	<5	28
19	<2um	1.90	0.4	<5	60	<2	11.54	<0.5	24	49	70	2.73	10	0.30	<10	2.33	640	<1	0.68	35	5730	8	5	78	0.09	<10	41	5	83
20	<2um	3.10	<0.2	<5	110	<2	8.06	0.5	21	78	64	3.94	10	0.58	10	1.77	505	<1	1.36	40	>10000	16	<5	71	0.04	<10	63	5	105
21	<2um	2.91	<0.2	<5	110	<2	9.75	<0.5	18	71	67	3.58	10	0.51	<10	1.65	531	<1	0.92	43	6920	<2	5	79	0.12	<10	55	15	97
23	<2um	2.16	<0.2	5	110	2	13.99	<0.5	18	55	47	2.64	10	0.37	<10	1.71	482	<1	0.83	31	7160	10	10	94	0.07	<10	41	10	73
24	<2um	1.89	<0.2	10	90	<2	12.38	<0.5	16	46	40	2.40	10	0.32	<10	2.15	428	<1	0.47	27	2860	8	10	80	0.10	<10	36	10	62
25	<2um	2.96	<0.2	5	140	<2	9.02	0.5	21	80	47	3.86	10	0.56	10	1.85	601	<1	0.68	43	3710	20	10	75	0.15	10	61	10	89

	<2um	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
54	<2um	2.86	<0.2	<5	110	<2	7.48	0.5	15	70	62	3.62	10	0.55	<10	2.02	459	<1	0.96	38	6860	12	<5	65	0.13	<10	54	15	88
55	<2um	1.71	<0.2	<5	60	<2	7.62	0.5	14	44	39	2.23	<10	0.30	<10	2.40	358	<1	1.32	24	>10000	8	<5	57	0.06	<10	33	10	63
56	<2um	1.60	<0.2	<5	60	<2	8.44	<0.5	11	42	38	2.14	<10	0.31	<10	2.49	315	<1	0.67	20	5990	<2	<5	63	0.10	<10	33	10	55
68	<2um	2.69	0.2	<5	130	<2	10.82	0.5	14	77	59	3.63	10	0.57	<10	1.97	509	<1	0.98	43	7330	10	<5	81	0.12	<10	56	20	83
69	<2um	3.01	<0.2	<5	120	<2	7.14	0.5	18	80	92	4.04	10	0.61	<10	2.16	582	<1	0.76	52	4060	8	<5	59	0.18	<10	60	20	102
70	<2um	2.61	0.2	<5	130	<2	12.61	0.5	15	72	59	3.52	10	0.68	<10	2.12	546	<1	0.82	38	5090	6	<5	88	0.14	<10	52	20	85
71	<2um	2.70	0.2	<5	110	<2	9.77	<0.5	13	62	62	3.22	<10	0.51	<10	2.11	482	<1	1.39	37	>10000	12	<5	73	0.08	<10	51	<5	86
72	<2um	2.06	0.2	<5	80	<2	10.31	0.5	13	51	46	2.65	<10	0.39	<10	1.85	455	<1	0.97	28	8290	4	5	74	0.08	<10	41	<5	75
73	<2um	1.27	0.2	<5	40	<2	9.59	<0.5	5	32	28	1.72	<10	0.22	<10	2.44	286	<1	0.50	17	4250	4	<5	66	0.08	<10	29	<5	44
74	<2um	2.14	0.2	<5	120	<2	10.37	<0.5	13	50	60	2.76	<10	0.50	<10	2.04	434	<1	0.86	32	6870	10	<5	73	0.08	<10	45	<5	78
75	<2um	1.93	0.2	5	70	<2	9.14	<0.5	11	47	41	2.41	<10	0.38	<10	2.24	381	<1	0.87	29	7170	10	<5	67	0.08	<10	39	<5	62
76	<2um	3.21	0.2	<5	150	<2	2.82	0.5	17	78	50	4.16	10	0.76	20	2.16	570	<1	1.24	48	8720	10	<5	30	0.11	<10	56	<5	111
77	<2um	2.88	0.2	<5	120	<2	5.65	0.5	12	79	60	3.61	10	0.58	<10	1.95	456	<1	1.12	50	8820	4	<5	47	0.12	<10	56	<5	87
78	<2um	3.75	0.2	<5	210	<2	3.18	0.5	21	111	97	5.14	10	0.78	<10	1.97	756	<1	1.14	78	8550	14	<5	37	0.18	<10	83	<5	126
79	<2um	2.60	0.2	10	140	2	7.04	0.5	23	70	116	3.82	<10	0.52	<10	1.61	913	<1	2.33	60	>10000	18	<5	56	0.05	<10	59	<5	122
80	<2um	0.57	0.2	<5	20	<2	9.47	<0.5	7	16	15	0.94	<10	0.11	<10	2.63	215	<1	0.69	10	7600	2	<5	57	0.04	<10	17	<5	22
81	<2um	2.34	0.2	<5	180	<2	9.28	0.5	14	74	54	3.13	<10	0.63	<10	1.88	465	<1	1.39	43	>10000	2	<5	66	0.05	<10	55	<5	74
82	<2um	2.87	0.2	<5	200	<2	8.53	0.5	18	84	83	3.78	<10	0.72	<10	1.53	626	<1	1.41	56	>10000	14	<5	66	0.06	<10	61	<5	98
83	<2um	2.89	0.2	<5	250	2	10.02	0.5	13	107	89	3.91	<10	0.97	<10	2.01	592	<1	1.65	65	>10000	8	<5	71	0.03	<10	70	<5	108
84	<2um	1.50	0.2	<5	90	<2	7.62	<0.5	8	44	35	2.07	<10	0.33	<10	2.34	315	<1	1.31	27	>10000	2	<5	51	0.04	<10	36	<5	49
85	<2um	4.00	0.2	<5	210	<2	0.39	0.5	21	153	181	5.86	10	1.59	30	1.76	616	<1	0.84	143	5740	12	<5	18	0.18	<10	101	<5	146
86	<2um	3.88	0.2	5	260	<2	4.58	0.5	22	103	110	4.61	10	0.93	<10	1.54	675	<1	3.31	76	>10000	14	<5	48	0.03	<10	75	<5	139
87	<2um	3.04	0.2	<5	110	<2	3.41	0.5	29	83	121	4.05	<10	0.56	<10	2.10	707	<1	1.98	63	>10000	12	<5	37	0.06	<10	69	<5	111
88	<2um	3.07	0.2	<5	130	<2	3.31	0.5	12	92	82	4.06	10	0.43	<10	2.31	471	<1	1.98	50	>10000	12	<5	33	0.07	<10	69	<5	83
89	<2um	3.70	0.2	<5	190	2	2.00	0.5	18	101	75	4.60	10	0.83	20	1.94	520	<1	2.90	64	>10000	10	<5	29	0.04	<10	74	<5	105
90	<2um	3.59	0.2	10	170	<2	5.69	0.5	18	104	125	4.99	10	0.73	<10	1.66	623	<1	0.89	61	5410	10	<5	57	0.19	<10	78	<5	134
91	<2um	3.57	0.2	<5	150	<2	7.23	0.5	22	95	94	4.80	20	0.65	30	1.81	613	<1	0.88	51	5420	28	<5	64	0.19	10	77	5	107
92	<2um	2.41	0.2	15	100	<2	4.45	1.5	32	81	217	3.91	10	0.33	40	2.29	568	<1	2.58	93	>10000	18	5	37	0.03	10	58	5	251
93	<2um	0.77	0.2	25	30	2	8.76	<0.5	18	24	59	1.37	20	0.13	<10	2.48	305	<1	0.40	18	4010	16	5	55	0.06	<10	22	<5	40
109	<2um	2.45	0.2	<5	120	<2	6.93	0.5	19	77	27	3.64	10	0.53	<10	2.08	665	<1	0.58	44	3870	4	<5	70	0.13	<10	61	<5	85
110	<2um	2.66	0.4	<5	130	<2	7.04	0.5	20	81	33	3.83	10	0.56	<10	2.05	601	<1	0.84	45	5750	6	<5	68	0.09	<10	63	<5	93

Location Map I:

57	<2um	2.61	0.2	<5	140	<2	11.26	0.5	15	67	64	3.41	10	0.57	<10	1.67	554	<1	0.90	35	6730	<2	5	88	0.12	<10	49	20	97
814	<2um	3.38	0.4	<5	100	<2	4.81	<0.5	18	89	52	4.52	10	0.65	10	2.03	466	<1	0.92	42	4320	6	<5	57	0.16	<10	66	5	111
815	<2um	3.20	0.8	<5	80	<2	3.40	<0.5	27	93	53	4.69	10	0.62	20	2.14	437	<1	0.84	56	5370	12	5	48	0.18	<10	63	5	121
816	<2um	3.71	0.4	20	110	<2	3.99	<0.5	19	99	60	4.71	10	0.74	10	1.85	510	<1	1.18	51	7510	14	5	54	0.17	<10	70	5	122
817	<2um	3.43	<0.2	15	110	<2	6.16	<0.5	19	96	46	4.09	<10	0.79	<10	2.04	540	<1	1.63	45	>10000	10	5	67	0.16	<10	62	5	111
818	<2um	4.10	<0.2	35	140	<2	6.72	<0.5	21	114	66	4.62	<10	0.81	<10	2.14	530	<1	1.42	59	>10000	20	5	70	0.19	<10	75	<5	127
819	<2um	2.84	<0.2	10	110	<2	10.20	<0.5	17	89	60	3.43	<10	0.51	<10	2.59	439	<1	1.06	60	7210	10	5	79	0.15	<10	54	<5	88
820	<2um	2.72	<0.2	35	100	2	10.68	<0.5	14	78	62	3.30	<10	0.50	<10	2.26	408	<1	1.19	36	9600	12	5	85	0.13	<10	52	<5	92
821	<2um	4.31	0.4	35	130	<2	4.54	<0.5	20	124	56	4.80	10	0.83	10	2.22	446	<1	1.55	63	>10000	12	5	51	0.20	<10	83	<5	124

Location Map J:

101	<2um	3.61	<0.2	10	140	<2	6.96	<0.5	21	94	39	4.76	<10	0.75	<10	2.41	701	1	0.68	55	3450	12	<5	75	0.17	<10	74	10	116
102	<2um	3.13	0.2	15	110	<2	6.17	0.5	20	83	46	4.16	10	0.51	10	1.77	484	<1	1.61	42	>10000	20	5	60	0.07	10	68	10	96
103	<2um	2.73	0.2	<5	90	2	6.48	0.5	19	76	42	3.81	10	0.44	<10	1.77	518	<1	0.89	38	5810	<2	5	60	0.13	10	62	10	94
104	<2um	2.25	0.2	15	100	2	6.99	<0.5	22	67	27	3.32	<10	0.38	<10	1.74	600	<1	0.72	40	5400	8	5	67	0.10	10	53	10	83
107	<2um	3.02	<0.2	<5	140	<2	4.98	0.5	15	78	32	4.11	10	0.82	<10	1.77	447	<1	0.75	45	4160	12	<5	75	0.14	<10	66	<5	94
111	<2um	3.12	<0.2	<5	130	<2	2.91	0.5	18	100	38	4.23	10	0.66	<10	1.77	567	<1	1.00	49	5800	10	<5	48	0.13	<10	76	<5	103
112	<2um	2.37	0.4	<5	100	<2	8.71	0.5	17	68	28	3.44	<10	0.45	<10	2.00	609	<1	0.57	40	3300	8	<5	76	0.12	<10	57	<5	84
113	<2um	2.65	0.2	15	100	<2	7.55	<0.5	19	76	44	3.91	10	0.53	<10	1.84	647	<1	0.92	45	6640	16	<5	69	0.12	<10	64	<5	96
114	<2um	2.39	0.2	<5	130	<2	6.66	<0.5	17	75	32	3.63	10	0.49	<10	1.95	540	<1	0.71	42	4990	4	<5	64	0.10	<10	57	<5	85

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn	
Hole A:																														
1001	1.0	3.36	<0.2	15	150	<2	7.78	<0.5	23	86	80	3.92	10	0.57	<10	2.03	583	<1	0.20	44	>10000	8	<5	74	0.12	<10	59	5	102	
1002	2.1	2.94	<0.2	<5	140	<2	9.03	0.5	13	80	77	3.54	10	0.52	<10	2.03	576	<1	0.16	41	9730	8	<5	82	0.10	<10	55	5	89	
1003	4.5	2.80	<0.2	10	160	<2	11.15	<0.5	13	75	63	3.32	10	0.55	<10	2.06	612	<1	0.17	34	>10000	10	<5	96	0.09	<10	56	5	78	
1004	5.5	2.67	<0.2	10	140	<2	11.24	<0.5	13	79	49	3.26	<10	0.53	<10	2.11	569	<1	0.16	34	>10000	2	5	95	0.09	<10	53	5	72	
1005	6.5	2.27	<0.2	<5	120	<2	11.33	0.5	15	74	39	2.86	<10	0.46	<10	2.19	544	<1	0.27	29	>10000	8	<5	97	0.05	<10	52	5	56	
1006	7.5	2.22	<0.2	5	120	<2	10.36	<0.5	15	82	29	2.74	<10	0.51	<10	2.06	528	<1	0.18	33	>10000	<2	<5	91	0.06	<10	49	5	55	
Hole C:																														
1007	1.0	1.00	<0.2	10	50	<2	8.46	<0.5	11	28	24	1.42	<10	0.14	<10	2.93	299	<1	0.07	13	4210	4	<5	59	0.06	<10	24	<5	33	
1008	4.3	0.63	<0.2	<5	30	<2	10.56	<0.5	10	18	26	1.04	<10	0.10	<10	2.99	278	<1	0.04	9	3000	4	<5	69	0.05	<10	18	5	25	
1009	6.5	3.14	<0.2	5	160	<2	7.75	<0.5	28	107	102	4.51	10	0.63	<10	2.15	624	<1	0.38	49	>10000	14	<5	77	0.06	<10	67	5	118	
1010	7.8	2.49	<0.2	<5	150	<2	11.27	0.5	19	100	44	3.32	<10	0.57	<10	2.17	606	<1	0.16	36	>10000	12	<5	104	0.07	<10	52	5	65	
1011	9.0	2.86	<0.2	<5	140	<2	7.92	<0.5	20	90	46	3.74	<10	0.61	<10	2.01	688	<1	0.14	41	>10000	6	<5	87	0.08	<10	58	5	79	
1012	10.0	3.02	<0.2	5	160	<2	9.78	<0.5	20	97	50	3.71	<10	0.69	<10	2.24	672	<1	0.16	41	>10000	14	<5	110	0.09	<10	62	10	81	
1013	11.5	2.70	<0.2	5	140	<2	10.06	0.5	18	95	47	3.39	<10	0.61	<10	2.17	606	<1	0.14	38	>10000	6	<5	115	0.10	<10	54	5	69	
1014	12.5	2.69	<0.2	<5	150	<2	8.96	0.5	19	94	51	3.50	<10	0.62	<10	2.20	583	<1	0.15	37	9950	14	<5	101	0.10	<10	55	10	73	
1015	13.5	2.58	<0.2	5	140	<2	9.21	<0.5	18	91	45	3.34	<10	0.58	<10	2.09	591	<1	0.13	37	7980	2	<5	109	0.11	<10	53	10	70	
Hole D:																														
1016	1.0	2.65	<0.2	10	150	<2	11.46	<0.5	17	75	69	3.11	<10	0.47	<10	1.85	574	<1	0.12	37	9080	10	<5	101	0.09	<10	44	5	84	
1017	2.0	2.39	<0.2	10	150	<2	12.86	<0.5	18	76	73	3.03	<10	0.46	<10	2.06	609	<1	0.13	35	8710	8	<5	111	0.09	<10	45	5	86	
1018	3.0	2.75	<0.2	10	150	<2	12.12	<0.5	17	79	64	3.24	<10	0.53	<10	2.02	617	<1	0.12	36	8030	8	<5	109	0.10	<10	50	10	84	
1019	4.0	2.53	<0.2	5	140	<2	12.96	<0.5	16	81	58	3.12	<10	0.51	<10	2.14	586	<1	0.13	34	8370	10	<5	114	0.09	<10	47	5	78	
1020	5.0	2.19	<0.2	<5	140	<2	13.01	0.5	16	66	56	2.77	<10	0.44	<10	1.96	613	<1	0.11	31	8430	14	<5	106	0.08	<10	41	10	72	
1021	6.3	1.99	<0.2	5	120	<2	11.97	<0.5	14	68	44	2.74	<10	0.39	<10	2.07	590	<1	0.10	29	6580	10	<5	100	0.08	<10	41	5	57	
1022	7.5	1.87	<0.2	<5	120	2	14.03	<0.5	14	68	33	2.43	<10	0.38	<10	2.21	549	<1	0.10	28	8340	16	<5	112	0.08	<10	40	10	48	
1023	8.5	2.10	<0.2	5	140	<2	13.06	<0.5	16	78	37	2.74	<10	0.42	<10	2.10	627	<1	0.11	28	8470	10	<5	106	0.11	<10	44	10	54	
1024	9.5	1.96	0.2	<5	130	<2	12.69	0.5	14	76	37	2.63	<10	0.41	<10	2.03	586	<1	0.11	28	9770	10	<5	105	0.08	<10	41	5	52	
1025	10.8	2.76	<0.2	<5	160	<2	9.36	0.5	22	91	45	3.52	<10	0.64	<10	2.10	621	<1	0.17	35	>10000	18	<5	96	0.09	<10	56	15	73	
1026	12.0	3.36	<0.2	10	160	<2	9.37	<0.5	23	112	55	4.23	10	0.76	<10	2.33	713	<1	0.17	43	>10000	2	<5	100	0.11	<10	70	10	86	
1027	13.0	3.55	<0.2	<5	190	<2	9.87	0.5	23	113	56	4.27	10	0.82	<10	2.46	718	<1	0.17	46	>10000	2	<5	107	0.05	<10	72	5	88	
1028	14.0	3.65	<0.2	5	190	<2	9.96	0.5	22	121	56	4.43	10	0.86	<10	2.42	749	<1	0.17	46	>10000	10	<5	111	0.06	<10	75	10	91	
1029	15.0	3.17	<0.2	5	180	<2	10.11	<0.5	20	114	47	3.98	<10	0.75	<10	2.30	689	<1	0.16	44	>10000	12	<5	109	0.08	<10	66	5	82	
1030	16.0	3.18	<0.2	5	200	<2	10.25	<0.5	19	109	47	3.91	<10	0.76	<10	2.32	701	<1	0.21	41	>10000	6	<5	111	0.08	<10	67	10	80	
1031	17.0	2.87	<0.2	10	150	<2	8.41	<0.5	18	96	45	3.60	<10	0.65	<10	2.12	587	<1	0.19	38	>10000	6	<5	93	0.08	<10	60	5	74	
1032	18.0	2.76	<0.2	<5	160	<2	9.83	0.5	20	100	43	3.51	<10	0.64	<10	2.19	640	<1	0.22	39	>10000	16	<5	106	0.07	<10	59	10	77	
1033	19.0	2.58	<0.2	<5	140	<2	10.13	0.5	17	86	44	3.26	<10	0.56	<10	2.21	583	<1	0.18	36	>10000	6	<5	106	0.09	<10	55	10	68	
1034	20.0	2.83	<0.2	5	150	<2	8.59	<0.5	19	94	50	3.57	<10	0.62	<10	2.36	552	<1	0.20	37	>10000	4	<5	95	0.10	<10	60	5	75	
1035	21.0	2.90	<0.2	5	150	<2	8.82	<0.5	18	94	47	3.55	<10	0.66	<10	2.34	562	<1	0.24	37	>10000	12	<5	101	0.07	<10	61	10	77	
1036	22.0	2.87	<0.2	10	160	<2	9.73	<0.5	18	97	45	3.53	10	0.68	<10	2.30	593	<1	0.20	41	>10000	12	<5	114	0.04	<10	60	5	72	
1037	23.0	2.80	<0.2	<5	170	<2	10.24	0.5	18	99	45	3.44	<10	0.66	<10	2.22	606	<1	0.19	37	>10000	10	<5	118	0.04	<10	57	10	72	
1038	24.0	2.82	<0.2	10	180	<2	10.77	<0.5	18	100	45	3.52	<10	0.64	<10	2.30	656	<1	0.21	39	>10000	12	<5	125	0.07	<10	60	5	71	
1039	25.0	2.41	<0.2	5	150	<2	11.70	<0.5	17	82	48	3.14	<10	0.51	<10	2.14	627	<1	0.19	33	>10000	6	<5	120	0.07	<10	52	5	60	
1040	26.0	2.38	<0.2	10	140	<2	11.57	<0.5	17	78	52	3.27	<10	0.45	<10	2.15	654	<1	0.17	34	>10000	6	<5	117	0.11	<10	52	10	67	
1041	27.0	1.83	<0.2	10	110	<2	11.23	<0.5	14	63	41	2.61	<10	0.33	<10	2.47	534	<1	0.11	24	9380	12	<5	101	0.11	<10	44	5	49	
1042	28.0	1.29	<0.2	<5	60	<2	11.27	<0.5	12	76	29	2.29	<10	0.21	<10	2.49	447	<1	0.11	22	9320	4	<5	96	0.08	<10	38	10	31	
1043	29.0	1.01	<0.2	5	50	<2	10.76	<0.5	11	64	27	1.99	<10	0.15	<10	2.36	388	1	0.11	21	9160	8	<5	89	0.08	<10	32	10	25	
1044	30.0	1.46	<0.2	10	70	<2	13.78	<0.5	16	82	36	2.69	<10	0.20	<10	2.56	523	<1	0.14	27	>10000	<2	<5	114	0.09	<10	45	10	34	
1045	31.0	2.50	<0.2	<5	140	<2	10.24	<0.5	20	100	46	3.98	<10	0.54	<10	2.14	654	<1	0.28	46	>10000									

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
1049	43.5	2.25	<0.2	15	150	<2	8.67	<0.5	19	95	46	3.49	<10	0.55	<10	2.20	570	<1	0.20	38	6840	10	<5	93	0.09	<10	63	10	61
1050	45.0	2.63	<0.2	<5	130	<2	9.83	0.5	17	134	57	4.29	<10	0.52	<10	2.14	609	1	0.19	41	9950	14	<5	91	0.10	<10	68	10	70
1051	46.0	2.52	<0.2	<5	130	<2	9.76	0.5	19	121	53	3.97	<10	0.53	<10	1.95	567	1	0.26	41	>10000	12	<5	94	0.08	<10	61	10	70
1052	47.0	1.97	<0.2	10	100	<2	12.05	<0.5	15	80	45	2.90	<10	0.47	<10	2.35	467	<1	0.82	32	>10000	14	<5	110	0.08	<10	50	<5	52
1053	48.0	1.79	<0.2	10	110	<2	>15.0	<0.5	13	73	33	2.52	<10	0.39	<10	2.68	475	<1	0.11	22	7380	12	<5	136	0.07	<10	42	10	42
1054	49.0	1.43	<0.2	<5	120	<2	14.68	<0.5	12	59	28	2.06	<10	0.32	<10	2.64	396	<1	0.14	19	7980	8	<5	124	0.07	<10	34	10	36
1055	50.0	1.64	<0.2	5	110	<2	14.47	<0.5	12	67	32	2.32	<10	0.37	<10	2.69	434	<1	0.14	19	8590	14	<5	125	0.07	<10	39	5	39
1056	51.0	1.76	<0.2	<5	120	<2	>15.0	<0.5	13	66	31	2.43	<10	0.40	<10	2.71	470	<1	0.11	21	7940	2	<5	135	0.08	<10	42	5	41
1057	52.0	0.93	<0.2	<5	60	<2	13.18	<0.5	9	38	20	1.43	<10	0.18	<10	3.28	322	<1	0.07	13	5650	6	<5	100	0.06	<10	25	5	24
1058	53.5	4.53	<0.2	15	80	<2	3.87	0.5	40	226	104	7.29	10	0.21	20	3.21	1380	<1	0.15	84	7670	4	<5	59	0.14	<10	136	15	126
1059	55.0	4.86	<0.2	30	100	<2	3.99	0.5	38	276	104	8.18	10	0.24	10	3.02	1550	2	0.23	96	8650	14	<5	63	0.10	<10	148	15	141
1060	56.0	3.92	<0.2	<5	80	<2	3.64	1.0	66	156	66	6.60	<10	0.26	20	2.36	1312	<1	0.34	74	>10000	4	<5	56	0.08	<10	98	<5	136
1061	59.5	3.33	<0.2	15	100	<2	5.73	0.5	31	144	63	4.82	10	0.33	<10	2.29	976	<1	0.65	68	>10000	4	<5	83	0.05	<10	91	10	112
Hole E:																													
1062	0.5	0.82	<0.2	<5	40	<2	11.25	<0.5	10	33	31	1.33	<10	0.13	<10	2.81	328	<1	0.06	12	3300	12	<5	81	0.07	<10	23	5	29
1063	2.0	0.90	<0.2	<5	40	<2	13.32	<0.5	12	35	38	1.40	<10	0.14	<10	3.03	386	<1	0.07	14	4620	8	<5	95	0.06	<10	24	5	35
1064	5.3	1.32	<0.2	10	60	<2	12.06	<0.5	12	45	30	1.83	<10	0.23	<10	2.59	442	<1	0.08	18	4730	8	<5	93	0.08	<10	31	5	40
1065	6.8	3.01	<0.2	5	160	<2	9.14	<0.5	20	89	52	3.56	10	0.62	<10	2.10	674	<1	0.16	37	>10000	16	<5	89	0.08	<10	61	10	77
1066	8.0	3.24	<0.2	5	200	<2	9.97	<0.5	18	94	57	3.67	10	0.70	<10	2.23	688	<1	0.17	36	>10000	14	<5	99	0.06	<10	65	10	90
1067	9.0	2.90	<0.2	<5	180	<2	10.47	0.5	17	93	50	3.35	<10	0.63	<10	2.15	651	<1	0.17	35	>10000	18	<5	102	0.04	<10	59	10	70
1068	10.0	3.18	<0.2	5	160	<2	8.90	0.5	18	99	59	3.60	10	0.71	<10	2.18	609	<1	0.19	41	>10000	16	<5	98	0.04	<10	64	5	76
1069	11.0	0.81	<0.2	<5	40	<2	8.33	<0.5	7	37	16	1.18	<10	0.15	<10	2.44	232	<1	0.06	10	3290	2	<5	65	0.07	<10	22	<5	27
1070	12.0	0.73	<0.2	5	50	<2	9.29	<0.5	6	41	14	1.15	<10	0.16	<10	2.60	241	<1	0.05	10	2890	4	<5	72	0.07	<10	22	5	18
1071	13.0	0.81	<0.2	5	50	<2	9.15	<0.5	7	40	13	1.21	<10	0.20	<10	2.53	246	<1	0.05	10	2900	6	<5	73	0.08	<10	23	5	19
1072	14.0	0.70	<0.2	<5	50	<2	9.01	<0.5	6	30	12	1.05	<10	0.15	<10	2.52	231	<1	0.05	10	2590	8	<5	71	0.08	<10	21	5	18
1073	15.0	3.17	<0.2	<5	170	<2	8.65	0.5	19	100	56	3.65	10	0.75	<10	2.16	646	<1	0.17	40	>10000	20	<5	103	0.03	<10	65	5	77
1074	16.0	2.86	<0.2	5	160	<2	8.53	0.5	18	104	48	3.56	<10	0.68	<10	2.09	641	<1	0.15	39	8430	8	<5	98	0.11	<10	62	5	90
1075	17.0	2.88	<0.2	10	150	<2	8.62	<0.5	18	103	48	3.57	10	0.65	<10	2.13	652	<1	0.16	39	9770	18	<5	100	0.11	<10	61	10	73
1076	19.0	2.67	<0.2	<5	160	<2	9.94	<0.5	16	89	42	3.20	<10	0.61	<10	2.15	631	<1	0.16	34	9000	10	<5	110	0.09	<10	58	10	66
1077	20.0	2.96	<0.2	5	190	<2	8.01	<0.5	29	86	46	3.22	10	0.71	<10	1.97	560	<1	0.30	31	>10000	16	<5	101	0.03	<10	58	10	69
1078	21.0	3.23	<0.2	10	170	<2	8.45	<0.5	28	96	49	3.54	10	0.75	<10	2.21	606	<1	0.30	36	>10000	20	<5	102	0.03	<10	65	5	76
1079	22.0	3.51	<0.2	5	170	<2	9.00	<0.5	20	105	49	3.80	10	0.83	<10	2.31	656	<1	0.27	42	>10000	16	<5	109	0.03	<10	70	5	82
1080	23.0	3.13	<0.2	10	160	<2	8.08	<0.5	16	92	43	3.42	10	0.73	<10	2.10	573	<1	0.27	35	>10000	10	<5	98	0.05	<10	64	5	74
1081	24.0	3.18	<0.2	5	150	<2	8.33	<0.5	18	96	47	3.59	10	0.72	<10	2.15	611	<1	0.13	38	7590	12	<5	100	0.13	<10	64	10	77
1082	25.0	3.16	<0.2	15	180	<2	8.00	<0.5	17	95	56	3.53	10	0.73	<10	2.13	580	<1	0.15	35	9890	10	<5	100	0.11	<10	64	5	75
1083	26.0	3.29	<0.2	5	160	<2	7.91	0.5	17	95	53	3.67	10	0.75	<10	2.16	605	<1	0.14	37	8480	8	<5	98	0.11	<10	66	<5	79
1084	27.0	3.31	<0.2	5	150	<2	8.26	<0.5	17	94	47	3.58	<10	0.77	<10	2.13	614	<1	0.14	37	7890	16	<5	101	0.12	<10	65	5	78
1085	28.0	2.76	<0.2	10	120	<2	9.42	<0.5	16	85	37	3.15	<10	0.63	<10	2.12	614	<1	0.13	35	5750	14	<5	109	0.13	<10	58	5	66
1086	29.0	2.88	<0.2	5	130	<2	9.55	<0.5	17	89	40	3.32	10	0.66	<10	2.14	626	<1	0.14	34	6990	22	<5	111	0.13	<10	59	5	70
1087	30.0	2.58	<0.2	5	120	<2	10.25	<0.5	13	79	38	3.20	10	0.57	<10	2.13	606	<1	0.13	33	6230	6	<5	113	0.12	<10	56	5	66
1088	31.0	2.76	<0.2	<5	120	<2	8.75	<0.5	12	85	39	3.47	10	0.62	<10	2.07	614	<1	0.13	38	6360	8	<5	102	0.13	<10	60	5	71
1089	32.0	2.70	<0.2	10	140	<2	7.76	<0.5	12	90	44	3.83	10	0.57	<10	2.19	605	<1	0.13	36	5630	12	<5	91	0.13	<10	64	10	77
1090	33.0	2.84	<0.2	<5	160	<2	8.32	0.5	12	92	42	3.96	10	0.62	<10	2.27	635	<1	0.13	39	5640	8	<5	95	0.14	<10	67	<5	77
1091	34.0	3.17	<0.2	15	180	<2	8.52	<0.5	21	98	42	4.23	10	0.71	<10	2.43	696	<1	0.13	41	5680	14	5	103	0.16	<10	72	5	78
1092	35.0	3.50	<0.2	<5	170	<2	7.28	<0.5	21	105	46	4.10	10	0.77	<10	2.18	619	<1	0.15	42	6860	8	5	97	0.15	<10	73	5	81
1093	36.0	3.20	<0.2	<5	150	<2	7.82	<0.5	13	105	46	3.91	10	0.70	<10	2.11	581	<1	0.16	44	>10000	<2	5	99	0.09	<10	69	10	75
1094	37.5	3.39	<0.2	5	170	<2	7.48	<0.5	25	108	49	4.19	10	0.75	<10	2.20	639	<1	0.16	44	8200	12	5	104	0.15	<10	74	5	87
1095	38.5	3.13	<0.2	<5	180	<2	6.80	<0.5	26	104	75	4.13	10	0.88	<10	2.19	640	<1	0.20	43	8880	<2	5	93	0.11	<10	71	5	81
1096	39.5	3.11	<0.2	15	150	<2	6.62	<0.5	17	107	41	3.90	10																

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn	
Hole F:																														
1101	0.5	3.38	<0.2	5	180	<2	7.99	<0.5	22	90	80	4.00	10	0.48	<10	2.12	577	<1	0.18	43	>10000	6	5	80	0.13	<10	65	5	91	
1102	1.5	2.89	<0.2	5	150	<2	8.83	<0.5	12	79	53	3.48	10	0.59	<10	2.05	548	<1	0.12	35	6240	2	5	83	0.14	<10	60	5	77	
1103	2.5	3.31	<0.2	20	170	<2	8.11	<0.5	11	92	59	3.97	10	0.67	<10	2.14	565	<1	0.15	43	7470	10	5	79	0.15	<10	69	5	87	
1104	3.5	3.08	<0.2	15	160	<2	8.18	<0.5	12	89	51	3.79	10	0.64	<10	2.08	568	<1	0.14	41	7340	4	5	78	0.14	<10	66	5	81	
1105	4.5	3.04	<0.2	<5	160	<2	8.01	<0.5	17	93	45	3.83	10	0.67	<10	2.08	603	<1	0.15	39	9960	12	5	85	0.12	<10	65	5	79	
1106	5.5	2.78	<0.2	<5	140	<2	7.58	<0.5	13	91	44	3.48	10	0.64	<10	2.02	553	<1	0.15	38	>10000	6	<5	89	0.09	<10	60	<5	71	
1107	6.5	2.90	<0.2	<5	150	<2	8.46	0.5	13	91	44	3.50	10	0.68	<10	2.09	576	<1	0.17	40	>10000	6	<5	100	0.07	<10	62	5	73	
1108	7.3	3.16	<0.2	5	160	<2	8.29	<0.5	13	92	45	3.65	10	0.74	<10	2.13	580	<1	0.18	38	>10000	6	5	104	0.09	<10	66	<5	76	
1109	8.0	3.31	<0.2	5	150	<2	8.00	<0.5	14	90	40	3.64	10	0.79	<10	2.09	575	<1	0.32	36	>10000	4	5	102	0.05	<10	68	5	76	
1110	8.8	3.28	<0.2	10	160	<2	7.98	<0.5	14	95	38	3.63	10	0.81	<10	2.01	584	<1	0.30	37	>10000	6	5	103	0.05	<10	67	<5	75	
Hole G:																														
1111	0.5	3.40	<0.2	<5	180	<2	8.22	0.5	13	87	76	3.85	10	0.54	<10	2.04	587	<1	0.23	42	>10000	<2	<5	77	0.09	<10	65	5	80	
1112	1.5	2.93	<0.2	10	170	<2	8.58	<0.5	14	83	58	3.47	10	0.64	<10	1.99	547	<1	0.26	37	>10000	14	<5	78	0.05	<10	61	<5	79	
1113	2.5	3.70	<0.2	<5	260	<2	6.84	1.0	18	90	64	4.02	<10	0.88	20	1.86	544	<1	0.58	42	>10000	4	<5	92	0.06	<10	72	<5	94	
1114	3.5	3.43	<0.2	20	200	<2	7.89	<0.5	21	96	59	4.06	10	0.76	<10	2.06	599	<1	0.22	43	>10000	4	5	84	0.11	<10	72	<5	88	
1115	4.5	3.22	<0.2	<5	180	<2	8.53	0.5	21	92	47	3.97	10	0.70	<10	2.16	613	<1	0.16	42	>10000	2	<5	88	0.14	<10	71	5	82	
1116	5.5	3.02	<0.2	<5	140	<2	8.72	0.5	12	90	41	3.67	10	0.72	<10	2.16	589	<1	0.16	39	>10000	<2	<5	94	0.11	<10	66	5	75	
1117	6.5	2.84	<0.2	10	140	<2	8.88	<0.5	12	87	38	3.52	10	0.67	<10	2.09	597	<1	0.14	38	9450	<2	<5	96	0.12	<10	62	5	70	
1118	7.5	2.83	<0.2	<5	150	<2	8.86	0.5	13	92	38	3.52	10	0.68	<10	2.09	591	<1	0.15	41	9440	8	<5	99	0.11	<10	61	5	69	
1119	8.3	2.97	<0.2	10	170	<2	8.90	<0.5	16	98	38	3.69	10	0.71	<10	2.17	605	<1	0.14	41	8180	4	5	103	0.12	<10	64	5	71	
Hole H:																														
1120	1.0	3.19	<0.2	20	160	<2	8.48	<0.5	12	92	73	3.71	10	0.58	<10	2.08	543	<1	0.13	42	6960	6	5	79	0.14	<10	63	5	88	
1121	2.5	3.16	<0.2	<5	170	<2	8.16	0.5	12	85	67	3.65	10	0.65	<10	2.04	538	<1	0.14	38	7390	<2	<5	79	0.13	<10	66	<5	92	
1122	3.5	3.20	<0.2	10	180	<2	8.47	<0.5	13	87	59	3.70	10	0.71	<10	2.10	544	<1	0.14	40	7450	<2	<5	83	0.10	<10	66	<5	83	
1123	4.5	2.55	<0.2	<5	140	<2	8.87	<0.5	14	96	43	3.31	10	0.56	<10	2.05	535	<1	0.15	40	8140	10	<5	83	0.06	<10	61	5	66	
1124	5.5	2.62	<0.2	10	140	<2	9.91	<0.5	24	89	36	3.30	10	0.62	<10	2.14	577	<1	0.13	36	9200	16	<5	96	0.09	<10	57	5	64	
1125	6.5	2.98	<0.2	15	150	<2	9.87	<0.5	17	93	39	3.63	10	0.72	<10	2.21	617	<1	0.14	41	7090	4	5	103	0.13	<10	64	5	72	
1126	7.5	2.96	<0.2	<5	170	<2	10.06	<0.5	28	110	47	3.81	10	0.72	<10	2.24	626	<1	0.15	45	7740	14	<5	111	0.13	<10	65	5	116	
1127	8.5	2.98	<0.2	5	150	<2	9.17	<0.5	16	99	40	3.77	10	0.73	<10	2.23	615	<1	0.15	42	7810	2	5	106	0.13	<10	64	<5	78	
1128	9.5	3.08	<0.2	5	170	<2	8.83	<0.5	21	101	44	3.84	10	0.77	<10	2.19	626	<1	0.17	39	>10000	2	5	109	0.12	<10	65	<5	99	
1129	10.5	2.69	<0.2	5	150	<2	9.42	<0.5	14	91	39	3.34	10	0.66	<10	2.10	560	<1	0.17	38	>10000	<2	<5	109	0.07	<10	59	<5	67	
1130	11.5	2.92	<0.2	<5	150	<2	9.96	<0.5	14	86	37	3.42	10	0.70	<10	2.22	589	<1	0.16	37	>10000	2	5	109	0.02	<10	62	<5	69	
1131	12.5	2.71	<0.2	5	150	<2	9.70	<0.5	15	87	35	3.26	10	0.64	<10	2.13	565	<1	0.15	35	>10000	8	<5	105	0.02	<10	57	<5	66	
1132	13.5	2.81	<0.2	10	140	<2	9.04	<0.5	15	86	37	3.40	10	0.66	<10	2.09	573	<1	0.17	36	>10000	6	5	100	0.02	<10	60	5	70	
1133	14.5	2.72	<0.2	<5	160	<2	10.21	<0.5	13	91	37	3.35	10	0.63	<10	2.17	585	<1	0.13	38	7650	8	<5	107	0.10	<10	58	<5	76	
1134	15.5	2.76	<0.2	10	160	<2	9.78	<0.5	13	93	36	3.35	10	0.65	<10	2.15	592	<1	0.14	38	9440	8	<5	106	0.08	<10	59	5	67	
1135	16.5	2.97	<0.2	5	150	<2	8.41	<0.5	13	94	39	3.51	10	0.72	<10	2.05	585	<1	0.16	36	>10000	8	<5	98	0.08	<10	64	5	69	
1136	17.5	2.68	<0.2	20	170	<2	9.12	<0.5	13	105	41	3.51	10	0.66	<10	2.10	584	<1	0.15	40	8890	<2	<5	102	0.08	<10	60	<5	74	
1137	18.5	2.94	<0.2	<5	160	<2	8.68	<0.5	13	97	44	3.60	10	0.70	<10	2.14	583	<1	0.18	40	>10000	12	5	102	0.08	<10	63	<5	78	
1138	19.5	2.93	<0.2	<5	160	<2	8.95	<0.5	14	95	41	3.49	10	0.71	<10	2.14	571	<1	0.19	35	>10000	4	5	103	0.05	<10	63	5	72	
1139	20.5	2.58	<0.2	<5	160	<2	8.96	<0.5	14	90	35	3.15	10	0.62	<10	2.06	532	<1	0.13	34	9030	10	<5	99	0.06	<10	56	5	60	
1140	21.5	2.93	<0.2	10	150	<2	8.95	<0.5	14	89	38	3.42	10	0.70	<10	2.21	561	<1	0.16	35	9950	<2	<5	100	0.03	<10	63	5	68	
1141	22.5	2.69	<0.2	10	140	<2	9.08	<0.5	14	81	35	3.14	10	0.64	<10	2.17	534	<1	0.13	34	9890	14	5	101	0.05	<10	59	<5	64	
1142	23.5	2.04	<0.2	5	120	<2	9.08	<0.5	13	64	27	2.51	<10	0.47	<10	2.22	444	<1	0.10	26	8050	<2	5	94	0.10	<10	46	<5	50	
1143	24.5	1.95	<0.2	<5	120	<2	9.60	<0.5	13	66	27	2.47	<10	0.45	<10	2.28	438	<1	0.11	24	9600	2	<5	98	0.09	<10	45	5	48	
1144	25.5	2.71	<0.2	15	140	<2	9.29	<0.5	13	83	36	3.25	10	0.64	<10	2.23	554	<1	0.16	33	>10000	<2	<5	106	0.10	<10	59	<5	68	
1145	26.5	2.23	<0.2	<5	120	<2	9.70	<0.5	14	71	32	2.68	<10	0.52	<10	2.27	486	<1	0.11	28	6850	10	<5	101	0.11	<10	50	5	54	
1146	27.5	2.59	<0.2	<5																										

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
Hole I:																													
1147	0.5	1.99	<0.2	5	110	<2	10.05	<0.5	14	71	41	2.58	<10	0.46	<10	2.23	461	<1	0.09	28	7430	2	<5	97	0.09	<10	46	<5	55
1148	1.5	1.68	<0.2	10	90	<2	10.43	<0.5	14	50	31	2.09	<10	0.34	<10	2.41	382	<1	0.08	19	4280	4	<5	84	0.10	<10	38	<5	45
1149	2.5	3.12	<0.2	15	170	<2	8.77	<0.5	12	87	69	3.71	10	0.69	<10	2.04	574	<1	0.14	40	7690	10	<5	86	0.13	<10	67	<5	89
1150	3.5	2.96	<0.2	<5	160	<2	8.72	<0.5	14	88	72	3.67	10	0.68	<10	2.09	583	<1	0.15	38	8820	10	<5	82	0.04	<10	65	5	89
1151	4.5	2.09	<0.2	5	100	<2	8.98	<0.5	14	63	34	2.63	<10	0.49	<10	2.12	473	<1	0.09	28	6100	10	5	82	0.10	<10	49	5	56
1152	5.5	2.22	<0.2	5	120	<2	10.66	<0.5	14	71	41	2.77	10	0.52	<10	2.41	508	<1	0.10	27	7660	8	5	99	0.08	<10	51	<5	60
1153	6.5	2.18	<0.2	10	120	<2	10.69	<0.5	14	77	44	2.76	<10	0.51	<10	2.37	492	<1	0.10	28	7640	8	5	104	0.07	<10	51	5	59
1154	7.5	1.68	<0.2	<5	100	<2	11.02	<0.5	13	57	38	2.20	<10	0.40	<10	2.28	422	<1	0.09	25	6770	12	5	104	0.06	<10	40	<5	49
1155	8.5	1.52	<0.2	5	90	<2	12.73	<0.5	12	75	37	2.25	<10	0.34	<10	2.58	420	1	0.09	25	6910	10	5	115	0.09	<10	40	<5	53
1156	9.5	1.52	<0.2	<5	90	<2	11.48	<0.5	12	59	31	2.05	<10	0.33	<10	2.35	408	<1	0.08	23	5940	6	5	104	0.09	<10	37	5	43
1157	10.5	2.22	<0.2	10	110	<2	10.41	<0.5	14	71	39	2.76	10	0.51	<10	2.21	513	<1	0.13	30	>10000	6	5	105	0.09	<10	50	5	59
1158	11.5	2.44	<0.2	15	130	<2	9.70	<0.5	14	87	51	3.08	10	0.55	<10	2.18	539	<1	0.16	33	>10000	10	5	105	0.07	<10	53	5	71
1159	12.5	2.46	<0.2	<5	120	<2	9.25	<0.5	14	78	44	3.10	10	0.56	<10	2.13	555	<1	0.14	32	9880	6	5	97	0.09	<10	53	<5	70
1160	13.5	1.67	<0.2	20	90	<2	11.68	<0.5	14	59	35	2.24	<10	0.37	<10	2.31	431	<1	0.12	24	9420	8	5	106	0.08	<10	40	<5	47
1161	14.5	2.79	<0.2	<5	150	<2	9.14	<0.5	13	87	42	3.54	10	0.60	<10	2.32	638	<1	0.14	39	8080	6	<5	103	0.11	<10	62	5	77
1162	15.5	3.12	<0.2	10	150	<2	8.36	<0.5	12	93	46	3.69	10	0.73	<10	2.21	611	<1	0.13	40	8200	12	<5	98	0.14	<10	68	5	82
1163	16.5	3.09	<0.2	5	150	<2	8.64	<0.5	18	97	42	3.62	10	0.72	<10	2.18	650	<1	0.14	37	6850	8	<5	100	0.15	<10	66	5	75
1164	17.5	3.18	<0.2	<5	160	<2	8.95	<0.5	18	101	45	3.63	10	0.76	<10	2.22	650	<1	0.14	38	7970	18	<5	102	0.14	<10	67	5	78
1165	18.5	3.36	<0.2	<5	170	<2	9.73	0.5	20	115	42	3.92	10	0.82	<10	2.34	679	<1	0.16	42	>10000	14	<5	109	0.10	<10	70	10	80
1166	19.5	3.20	<0.2	<5	160	<2	9.12	<0.5	18	106	40	3.72	10	0.77	<10	2.22	649	<1	0.14	39	9180	12	<5	102	0.10	<10	68	5	76
1167	20.5	3.48	<0.2	15	170	<2	9.81	<0.5	20	114	44	4.01	10	0.84	<10	2.38	707	<1	0.15	42	9380	12	<5	110	0.12	<10	73	10	81
1168	21.5	3.18	<0.2	5	160	<2	8.53	<0.5	18	102	41	3.76	10	0.73	<10	2.17	643	<1	0.15	38	9290	12	<5	98	0.12	<10	66	5	80
1169	22.5	3.25	<0.2	<5	160	<2	8.90	0.5	18	105	42	3.79	10	0.75	<10	2.21	656	<1	0.15	39	9440	12	<5	102	0.11	<10	67	5	81
1170	23.5	3.46	<0.2	10	160	<2	8.90	<0.5	19	108	44	3.96	10	0.80	<10	2.27	681	<1	0.16	39	9470	14	<5	103	0.14	<10	72	5	84
1171	24.5	3.15	<0.2	<5	150	<2	8.28	<0.5	18	99	39	3.64	10	0.74	<10	2.11	638	<1	0.15	38	8680	18	<5	97	0.12	<10	65	5	76
1172	25.5	3.05	<0.2	10	150	<2	8.93	<0.5	18	103	41	3.71	10	0.70	<10	2.21	668	<1	0.15	38	8740	14	<5	103	0.14	<10	66	5	78
1173	26.5	3.10	<0.2	<5	140	<2	7.71	0.5	18	101	42	3.80	10	0.70	<10	2.17	633	<1	0.15	40	>10000	14	<5	93	0.13	<10	65	5	82
1174	27.5	3.03	<0.2	5	140	<2	7.38	<0.5	19	98	43	3.80	10	0.68	<10	2.11	637	<1	0.15	43	>10000	14	<5	91	0.12	<10	63	5	84
1175	28.5	2.30	<0.2	<5	140	<2	8.20	<0.5	16	80	36	3.06	<10	0.51	<10	2.05	565	<1	0.12	34	7940	12	<5	92	0.10	<10	50	5	67
1176	29.5	3.05	<0.2	5	140	<2	7.85	<0.5	19	98	43	3.79	10	0.68	<10	2.16	662	<1	0.15	41	9710	14	<5	98	0.14	<10	64	10	84
1177	30.5	2.98	<0.2	5	140	<2	7.27	<0.5	18	93	43	3.69	10	0.67	<10	2.14	584	<1	0.22	39	>10000	12	<5	91	0.14	<10	64	5	80
1178	31.5	3.38	<0.2	5	150	<2	8.64	<0.5	19	105	45	3.98	10	0.76	<10	2.27	696	<1	0.16	40	>10000	14	<5	110	0.15	<10	70	5	86
1179	33.0	3.42	<0.2	10	160	<2	8.69	<0.5	19	110	43	3.92	10	0.79	<10	2.23	689	<1	0.17	42	9400	18	<5	112	0.13	<10	71	5	81
1180	36.5	3.55	<0.2	20	230	<2	2.87	<0.5	32	92	45	4.59	20	1.22	60	1.73	724	<1	0.48	57	>10000	14	<5	85	0.04	<10	69	<5	122
1181	37.5	3.25	<0.2	15	160	<2	5.68	<0.5	29	122	63	4.52	10	0.68	20	1.97	670	<1	0.31	66	>10000	26	<5	94	0.09	<10	71	5	96
1182	40.0	2.88	<0.2	20	190	<2	9.81	<0.5	27	132	79	4.59	10	0.50	<10	2.03	809	<1	0.19	68	>10000	18	<5	130	0.10	<10	67	10	83
1183	41.0	2.80	<0.2	<5	160	<2	7.18	0.5	25	112	65	4.16	10	0.56	<10	1.82	695	<1	0.38	58	>10000	20	<5	104	0.07	<10	61	5	82
1184	42.0	2.78	<0.2	25	180	<2	9.52	<0.5	27	128	67	4.46	<10	0.50	<10	2.04	776	<1	0.26	66	>10000	12	5	124	0.07	<10	62	10	81
1185	43.0	2.55	<0.2	15	140	<2	10.13	0.5	24	143	48	4.04	<10	0.38	<10	2.28	700	<1	0.13	60	7740	16	<5	130	0.07	<10	57	15	65
1186	44.0	0.80	<0.2	<5	50	<2	12.32	<0.5	8	43	14	1.38	<10	0.13	<10	2.64	373	<1	0.05	14	4700	10	<5	106	0.05	<10	24	5	22
1187	45.0	0.74	<0.2	<5	40	<2	12.08	<0.5	7	32	12	1.17	<10	0.12	<10	2.95	350	<1	0.06	10	5250	8	<5	102	0.05	<10	22	<5	20
1188	46.0	0.92	<0.2	5	60	<2	13.08	<0.5	8	45	16	1.41	<10	0.16	<10	2.73	425	<1	0.08	12	6570	14	<5	120	0.06	<10	28	5	23
Hole J:																													
1189	1.3	1.40	<0.2	<5	70	<2	10.59	0.5	10	45	32	1.77	<10	0.19	<10	2.75	355	<1	0.07	18	4080	12	<5	78	0.08	<10	30	<5	37
1190	2.5	2.02	<0.2	<5	100	<2	9.58	<0.5	12	63	43	2.57	<10	0.37	<10	2.11	444	<1	0.10	24	5730	12	<5	83	0.11	<10	42	<5	59
1191	3.3	2.25	<0.2	5	120	<2	8.85	<0.5	17	69	51	3.09	<10	0.46	<10	1.99	589	<1	0.11	31	5790	14	<5	91	0.12	<10	50	5	73
1192	4.0	2.44	<0.2	10	120	<2	10.26	<0.5	15	88	37	3.14	<10	0.54	<10	2.18	578	<1	0.11	35	7500	6	<5	104	0.12	<10	53	5	63
1193	5.0	1.36	<0.2	5	60	<2	5.31	<0.5	8	50	20	1.79	<1																

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
1197	9.0	2.79	<0.2	5	110	4	11.08	<0.5	20	105	36	3.97	<10	0.67	<10	2.50	775	1	0.39	51	2250	20	5	106	0.18	<10	70	15	92
1198	10.0	2.78	<0.2	5	140	<2	9.60	<0.5	16	96	42	3.32	<10	0.66	<10	2.22	602	<1	0.15	37	>10000	14	<5	113	0.05	<10	59	5	67
1199	11.0	2.61	<0.2	<5	140	<2	9.93	0.5	16	94	39	3.31	<10	0.59	<10	2.20	611	<1	0.13	38	>10000	12	<5	110	0.11	<10	57	5	68
1200	12.0	2.68	<0.2	5	170	<2	9.89	<0.5	16	96	40	3.37	<10	0.60	<10	2.21	636	<1	0.12	35	7930	10	<5	109	0.13	<10	58	5	70
1201	13.0	2.99	<0.2	<5	150	<2	8.90	0.5	18	98	45	3.57	10	0.70	<10	2.19	642	<1	0.15	39	>10000	2	<5	105	0.08	<10	64	5	73
1202	14.0	3.02	<0.2	10	150	<2	8.23	<0.5	17	98	45	3.51	10	0.73	<10	2.07	616	<1	0.17	39	>10000	22	<5	99	0.06	<10	64	5	72
1203	15.0	2.68	<0.2	5	140	<2	9.30	<0.5	16	90	38	3.32	<10	0.61	<10	2.10	622	<1	0.14	36	9300	8	<5	103	0.13	<10	59	5	67
1204	16.0	2.94	<0.2	10	140	<2	8.77	<0.5	17	96	40	3.55	<10	0.66	<10	2.18	629	<1	0.15	38	>10000	12	<5	100	0.11	<10	63	5	73
1205	17.0	2.54	<0.2	<5	120	<2	12.04	<0.5	18	98	35	3.75	<10	0.60	<10	2.47	787	1	0.34	45	1990	10	5	105	0.19	<10	68	10	87
1206	18.0	2.91	<0.2	5	170	<2	9.05	<0.5	17	90	39	3.43	10	0.67	<10	2.16	636	<1	0.14	36	8860	14	<5	104	0.07	<10	62	<5	71
1207	19.0	1.21	<0.2	<5	60	<2	3.71	<0.5	7	40	18	1.49	<10	0.29	10	0.86	264	<1	0.06	14	5990	8	<5	41	0.06	<10	27	<5	31
1208	20.0	2.48	<0.2	5	130	<2	9.49	<0.5	16	90	41	3.13	<10	0.56	<10	2.14	570	<1	0.13	35	>10000	12	<5	103	0.04	<10	55	5	63
1209	21.0	2.46	<0.2	5	110	<2	11.28	<0.5	17	99	30	3.68	<10	0.59	<10	2.46	748	<1	0.37	45	1990	14	<5	97	0.19	<10	66	10	86
1210	22.0	2.78	<0.2	<5	150	<2	8.27	0.5	16	88	38	3.34	<10	0.64	<10	2.14	568	<1	0.15	34	9780	14	<5	94	0.06	<10	60	<5	69
1211	23.0	2.66	<0.2	15	150	<2	9.58	<0.5	16	97	37	3.30	<10	0.62	<10	2.20	593	<1	0.15	37	>10000	16	<5	107	0.08	<10	58	5	68
1212	24.0	2.88	<0.2	5	140	<2	8.11	<0.5	16	85	37	3.29	10	0.66	<10	2.15	554	<1	0.16	34	>10000	8	<5	97	0.09	<10	60	5	69
1213	25.0	2.33	<0.2	15	100	4	11.11	<0.5	17	90	27	3.55	<10	0.51	<10	2.53	739	<1	0.37	45	2200	14	<5	99	0.18	<10	63	10	84
1214	26.0	2.15	<0.2	15	120	<2	8.88	<0.5	13	68	35	2.65	<10	0.46	<10	2.24	492	<1	0.11	26	8620	8	<5	95	0.07	<10	48	5	55
1215	27.0	1.87	<0.2	5	110	<2	9.87	<0.5	12	64	30	2.39	<10	0.39	<10	2.32	472	<1	0.10	25	8000	10	<5	100	0.11	<10	44	<5	48
1216	28.0	1.86	<0.2	<5	110	<2	10.32	<0.5	12	65	34	2.42	<10	0.37	<10	2.21	496	<1	0.10	26	7790	8	<5	102	0.10	<10	44	5	47
1217	29.0	2.62	<0.2	<5	100	2	14.13	<0.5	18	101	44	3.80	<10	0.52	<10	2.56	822	<1	0.41	46	2330	16	5	112	0.16	<10	65	10	84
1218	30.0	2.42	<0.2	<5	130	<2	9.76	0.5	17	83	44	3.15	<10	0.48	<10	2.06	616	<1	0.15	31	>10000	16	<5	104	0.08	<10	53	5	62
1219	31.0	2.66	<0.2	<5	140	<2	10.65	0.5	18	97	45	3.49	<10	0.55	<10	2.23	661	<1	0.18	38	>10000	14	<5	116	0.09	<10	59	5	70
1220	32.0	2.67	<0.2	5	160	<2	10.71	<0.5	17	92	37	3.39	<10	0.59	<10	2.25	588	<1	0.16	35	>10000	10	<5	118	0.11	<10	58	5	68
1221	33.0	3.01	<0.2	<5	120	2	12.00	0.5	19	114	36	4.14	<10	0.64	<10	2.57	740	<1	0.44	52	2190	10	5	106	0.17	<10	71	10	100
1222	34.0	2.82	<0.2	5	150	<2	10.60	<0.5	17	96	36	3.45	<10	0.60	<10	2.34	600	<1	0.14	38	8020	10	<5	117	0.05	<10	61	5	69
1223	34.5	2.79	<0.2	<5	170	<2	10.92	0.5	17	92	36	3.47	<10	0.58	<10	2.41	637	<1	0.14	37	6830	14	<5	122	0.03	<10	62	5	69
Hole K:																													
1224	1.0	1.56	<0.2	15	80	<2	9.85	<0.5	12	46	44	2.03	<10	0.24	<10	3.10	375	<1	0.12	21	5330	10	<5	74	0.07	<10	35	<5	44
1225	2.0	1.81	<0.2	10	90	<2	10.91	<0.5	11	57	34	2.24	<10	0.35	<10	2.82	390	<1	0.09	22	4650	10	<5	88	0.10	<10	40	5	47
1226	3.0	2.33	<0.2	10	140	<2	8.98	<0.5	14	70	32	2.73	<10	0.52	<10	2.20	462	<1	0.13	27	8020	12	<5	88	0.08	<10	50	5	56
1227	4.0	2.22	<0.2	10	140	<2	9.03	<0.5	13	71	28	2.61	<10	0.51	<10	2.25	458	<1	0.14	28	>10000	12	<5	93	0.07	<10	48	5	55
1228	5.0	2.96	<0.2	<5	160	<2	9.64	<0.5	16	92	38	3.40	<10	0.68	<10	2.46	579	<1	0.18	36	>10000	14	<5	109	0.10	<10	61	5	68
1229	6.0	2.73	<0.2	<5	140	<2	11.52	<0.5	18	97	33	3.71	<10	0.62	<10	2.45	784	<1	0.31	45	2040	12	<5	111	0.19	<10	67	15	86
1230	7.0	3.52	<0.2	10	180	<2	8.99	<0.5	19	107	59	3.86	10	0.85	<10	2.28	655	<1	0.20	41	>10000	10	<5	113	0.05	<10	71	5	79
1231	8.0	3.12	<0.2	10	160	<2	8.63	<0.5	19	113	44	3.72	10	0.71	<10	2.28	654	<1	0.19	47	>10000	12	<5	107	0.10	<10	65	5	74
1232	9.0	3.03	<0.2	10	180	<2	8.79	<0.5	20	125	120	3.86	<10	0.64	<10	2.28	672	4	0.16	56	>10000	10	<5	110	0.16	<10	67	10	76
1233	10.0	2.47	<0.2	<5	140	<2	9.57	0.5	17	99	74	3.26	<10	0.51	<10	2.35	609	2	0.13	43	7940	20	<5	106	0.12	<10	55	5	63
1234	11.0	2.53	<0.2	<5	130	<2	9.84	0.5	17	97	48	3.29	<10	0.52	<10	2.40	616	<1	0.14	42	>10000	12	<5	110	0.12	<10	56	5	63
1235	12.0	2.59	<0.2	15	140	<2	9.40	<0.5	16	89	40	3.21	<10	0.54	<10	2.39	584	<1	0.15	38	>10000	14	<5	105	0.12	<10	57	<5	63
1236	13.0	2.55	<0.2	10	130	<2	9.49	<0.5	18	92	46	3.22	<10	0.53	<10	2.33	606	<1	0.11	38	6590	20	<5	103	0.12	<10	56	5	63
1237	14.0	2.73	<0.2	<5	110	2	11.46	<0.5	21	116	47	3.90	<10	0.57	<10	2.48	847	<1	0.33	54	2230	12	<5	106	0.17	<10	69	10	88
1238	15.0	3.46	<0.2	25	170	<2	8.99	<0.5	24	125	69	4.40	10	0.61	<10	2.29	756	<1	0.19	57	>10000	16	<5	105	0.09	<10	71	5	85
1239	16.5	3.46	<0.2	<5	170	<2	5.27	0.5	31	125	104	5.03	10	0.52	10	2.12	733	<1	0.18	72	>10000	14	5	84	0.07	<10	84	5	102
Hole L:																													
1240	0.5	3.18	<0.2	<5	160	<2	9.88	<0.5	14	86	58	3.68	10	0.57	<10	2.27	668	<1	0.20	39	>10000	4	<5	91	0.02	<10	62	5	79
1241	1.5	2.56	<0.2	<5	140	<2	10.37	<0.5	14	74	50	3.13	<10	0.54	<10	2.29	531	<1	0.15	36	9300	6	<5	88	0.06	<10	55	5	72
1242	2.5	2.45	<0.2	<5	130	<2	9.96	0.5	14	70	44	3.03	<10	0.50	<10	2.19	526	<1	0.17	31	>10000	<2	<5	87	0.05	<10	54	5	68
1243	3.5																												

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
1246	6.5	1.98	<0.2	<5	110	<2	11.47	<0.5	14	70	32	2.62	<10	0.42	<10	2.32	487	<1	0.09	27	6620	2	5	104	0.09	<10	45	5	51
1247	7.5	1.44	<0.2	<5	80	<2	12.64	0.5	12	60	28	2.10	<10	0.30	<10	2.55	397	<1	0.09	21	8370	4	<5	109	0.09	<10	34	5	39
1248	8.5	2.38	<0.2	<5	120	<2	10.73	<0.5	13	86	36	3.19	<10	0.53	<10	2.16	563	<1	0.12	35	7520	<2	<5	111	0.11	<10	51	5	61
1249	9.5	2.83	<0.2	<5	140	<2	9.57	0.5	13	95	40	3.59	10	0.61	<10	2.11	599	<1	0.12	38	6880	4	5	104	0.08	<10	59	5	73
1250	10.5	1.99	<0.2	<5	100	<2	10.83	<0.5	15	63	29	2.50	<10	0.42	<10	2.25	467	<1	0.08	28	5320	6	<5	100	0.05	<10	44	5	51
1251	11.5	2.12	<0.2	<5	110	<2	10.54	0.5	14	70	30	2.72	<10	0.45	<10	2.19	493	<1	0.09	28	5450	8	5	102	0.11	<10	47	5	55
1252	12.5	2.19	<0.2	5	110	<2	11.66	<0.5	14	73	36	2.85	<10	0.47	<10	2.33	525	<1	0.10	29	6660	12	5	110	0.11	<10	48	5	58
1253	13.5	2.83	<0.2	10	140	<2	9.88	<0.5	17	109	53	3.80	10	0.61	<10	2.13	611	<1	0.13	45	8200	2	<5	104	0.12	<10	60	5	74
1254	14.5	2.70	<0.2	5	160	<2	9.41	<0.5	12	110	46	3.76	10	0.57	<10	2.02	605	<1	0.12	41	7320	4	<5	102	0.11	<10	57	5	72
1255	15.5	2.59	<0.2	<5	130	<2	9.18	<0.5	13	104	41	3.67	<10	0.54	<10	1.92	579	<1	0.13	41	8750	6	<5	95	0.11	<10	55	5	72
1256	16.5	3.18	<0.2	5	140	<2	7.38	<0.5	22	96	46	4.03	10	0.66	<10	2.05	630	<1	0.16	43	>10000	2	<5	93	0.12	<10	65	5	85
1257	17.5	2.74	<0.2	<5	130	<2	8.32	<0.5	13	88	39	3.47	10	0.57	<10	2.20	577	<1	0.11	37	6680	6	5	93	0.11	<10	58	5	72
1258	18.5	2.85	<0.2	<5	150	<2	9.99	<0.5	14	95	40	3.62	10	0.65	<10	2.22	618	<1	0.14	37	8080	<2	5	107	0.04	<10	60	5	70
1259	19.5	3.31	<0.2	<5	170	<2	9.14	<0.5	17	98	44	3.94	10	0.74	<10	2.22	661	<1	0.15	42	8870	4	5	105	0.11	<10	68	5	79
1260	20.5	2.74	<0.2	<5	160	<2	9.87	0.5	13	85	36	3.37	<10	0.61	<10	2.24	597	<1	0.12	35	5870	4	<5	104	0.13	<10	59	5	66
1261	21.5	3.16	<0.2	<5	160	<2	8.84	<0.5	17	97	44	3.90	10	0.74	<10	2.19	654	<1	0.16	44	>10000	8	<5	100	0.11	<10	65	5	79
1262	22.5	3.36	<0.2	15	160	<2	9.26	<0.5	23	101	47	4.02	10	0.83	<10	2.30	672	<1	0.16	46	8550	<2	5	100	0.09	<10	69	5	81
1263	23.5	3.19	<0.2	5	180	<2	10.11	<0.5	14	108	47	3.93	10	0.77	<10	2.33	664	<1	0.17	45	>10000	4	<5	107	0.02	<10	66	5	77
1264	24.5	3.48	<0.2	<5	170	<2	8.72	<0.5	13	108	48	4.14	10	0.83	<10	2.27	687	<1	0.15	44	9280	2	5	98	0.03	<10	72	5	83
1265	25.5	3.22	<0.2	<5	160	<2	9.53	0.5	22	104	45	3.91	10	0.75	<10	2.32	670	<1	0.13	39	7310	14	5	101	0.16	<10	68	5	77

Hole M:

1266	0.5	3.34	<0.2	<5	170	<2	7.94	<0.5	22	88	68	4.10	10	0.64	<10	2.04	841	<1	0.13	42	7790	10	<5	80	0.15	<10	70	5	92
1267	1.5	3.05	<0.2	5	150	<2	10.08	<0.5	14	86	61	3.79	10	0.60	<10	2.14	737	<1	0.13	38	8720	14	<5	92	0.04	<10	64	5	84
1268	2.5	3.01	<0.2	<5	150	<2	7.71	<0.5	12	94	49	3.76	10	0.64	<10	2.04	609	<1	0.12	41	7660	4	5	78	0.11	<10	63	5	79
1269	3.5	3.31	<0.2	<5	140	<2	7.97	<0.5	17	93	45	4.07	10	0.71	<10	2.08	702	<1	0.14	41	9200	2	<5	83	0.10	<10	66	5	86
1270	4.5	3.08	<0.2	<5	140	<2	8.61	0.5	17	96	46	3.96	10	0.65	<10	2.11	672	<1	0.15	41	>10000	8	5	90	0.11	<10	63	5	82
1271	5.5	2.82	<0.2	5	140	<2	8.76	<0.5	12	97	44	3.80	10	0.60	<10	2.06	638	<1	0.14	41	>10000	4	<5	93	0.11	<10	59	5	77
1272	6.5	2.76	<0.2	<5	140	<2	8.73	<0.5	12	91	43	3.72	10	0.63	<10	2.13	634	<1	0.15	38	9920	8	5	93	0.11	<10	59	5	76
1273	7.5	1.98	<0.2	<5	110	<2	10.72	<0.5	14	64	31	2.66	<10	0.40	<10	2.27	500	<1	0.11	27	8650	<2	<5	101	0.10	<10	44	5	53
1274	8.5	1.82	<0.2	<5	100	<2	10.81	<0.5	14	60	32	2.47	<10	0.37	<10	2.32	460	<1	0.10	25	9550	4	<5	101	0.08	<10	41	5	55
1275	9.5	2.80	<0.2	<5	130	<2	9.71	<0.5	13	80	38	3.49	10	0.58	<10	2.23	605	<1	0.12	37	7940	4	<5	102	0.11	<10	58	5	73
1276	10.5	2.24	<0.2	<5	130	<2	10.05	<0.5	13	76	34	2.94	<10	0.49	<10	2.27	538	<1	0.10	29	6380	4	5	99	0.11	<10	49	5	59
1277	11.5	3.19	<0.2	15	150	<2	6.88	<0.5	13	92	47	3.84	<10	0.68	<10	1.99	551	<1	0.22	38	>10000	4	5	86	0.08	<10	64	5	84
1278	12.5	3.18	<0.2	<5	180	<2	8.34	<0.5	13	100	48	3.92	10	0.72	<10	2.12	595	<1	0.25	41	>10000	12	5	103	0.06	<10	65	5	82
1279	13.5	3.23	<0.2	10	160	<2	7.84	<0.5	13	90	48	3.89	10	0.72	<10	2.07	584	<1	0.31	41	>10000	<2	<5	97	0.08	<10	65	5	86
1280	14.5	3.16	<0.2	<5	150	<2	7.54	0.5	13	89	45	3.93	10	0.68	<10	2.06	619	<1	0.25	40	>10000	<2	<5	92	0.08	<10	64	5	86
1281	15.5	2.23	<0.2	<5	130	<2	10.82	<0.5	14	88	34	3.04	<10	0.49	<10	2.22	528	<1	0.14	29	9850	<2	<5	105	0.09	<10	49	5	58
1282	16.5	2.48	<0.2	<5	140	<2	9.62	<0.5	14	80	36	3.14	<10	0.55	<10	2.15	531	<1	0.16	34	>10000	8	<5	100	0.08	<10	53	5	64
1283	17.5	2.42	<0.2	<5	130	<2	8.37	<0.5	13	79	36	3.13	<10	0.56	<10	2.04	520	<1	0.15	34	9930	2	5	90	0.10	<10	52	5	67
1284	18.5	2.21	<0.2	5	130	<2	9.68	<0.5	14	87	36	3.03	<10	0.54	<10	2.12	517	<1	0.15	35	>10000	<2	5	95	0.09	<10	50	5	60
1285	19.5	2.83	<0.2	10	150	<2	8.57	<0.5	13	93	42	3.64	10	0.66	<10	2.02	599	<1	0.20	39	>10000	4	5	95	0.10	<10	60	5	73
1286	20.5	3.04	<0.2	<5	140	<2	8.55	<0.5	13	95	43	3.78	10	0.70	<10	2.09	619	<1	0.20	39	>10000	4	<5	96	0.08	<10	64	5	78
1287	23.0	2.98	<0.2	5	170	<2	8.56	<0.5	13	87	47	3.71	10	0.67	<10	2.10	598	<1	0.20	39	>10000	2	5	98	0.08	<10	63	5	77
1288	26.0	3.01	<0.2	<5	170	<2	9.44	0.5	13	103	45	3.82	10	0.71	<10	2.22	634	<1	0.19	41	>10000	12	5	107	0.10	<10	65	5	77

Hole N:

1289	0.5	1.78	<0.2	<5	90	<2	11.12	<0.5	14	52	40	2.44	<10	0.34	<10	2.37	444	<1	0.12	24	7670	6	<5	89	0.08	<10	40	<5	56
1290	1.5	1.71	<0.2	<5	90	<2	9.34	0.5	11	44	35	2.11	<10	0.23	<10	2.35	338	<1	0.08	19	4300	4	<5	72	0.09	<10	35	<5	44
1291	2.5	2.02	<0.2	5	110	<2	10.31	<0.5	14	61	43	2.75	<10	0.40	<10	2.31	498	<1	0.12	27	7750	4	5	87	0.10	<10	46	<5	62
1292	3.5	2.21	<0.2	5	130	<2	9.39	<0.5	13	81	45	3.14	<10	0.45	<10	2.04	541	<1	0.14	31	9010	6	5	83	0.10	<10	50	5	65
1293	4.5	3.04	<0.2	<5	160	<2	9.13	<0.5	13	102	43	3.78	10	0.70	<10	2.21	623	<1	0.21	40	>10000	<2	<5	89	0.07	<10	63	5	77
1294	5.5	2.95	<0.2	<5	160	<2	9.35	<0.5	14	108	44	3.62	<10	0.69	<10	2.14	572	<1	0.25	38	>10000	6	5	94	0.05	<10	60	5	72

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
1295	6.5	3.18	<0.2	<5	140	<2	8.43	<0.5	13	103	43	3.94	10	0.72	<10	2.16	612	<1	0.30	46	>10000	6	<5	88	0.06	<10	64	5	82
1296	7.5	3.39	<0.2	5	160	<2	7.80	<0.5	18	97	49	4.09	10	0.73	<10	2.21	602	<1	0.34	45	>10000	12	<5	91	0.08	<10	68	5	89
1297	8.5	1.79	<0.2	<5	100	<2	9.29	<0.5	13	65	31	2.46	<10	0.36	<10	2.20	408	<1	0.12	26	9380	2	5	87	0.09	<10	40	5	52
1298	9.5	1.81	<0.2	10	110	<2	10.98	<0.5	13	75	38	2.68	<10	0.33	<10	2.29	519	<1	0.14	25	>10000	<2	<5	100	0.07	<10	42	5	49
1299	10.5	2.01	<0.2	25	110	<2	9.52	<0.5	14	60	42	2.83	<10	0.28	<10	2.13	537	<1	0.12	27	8900	12	<5	87	0.09	<10	46	5	54
1300	11.5	1.93	<0.2	10	120	<2	10.54	<0.5	14	57	43	2.87	<10	0.29	<10	2.28	686	<1	0.12	24	9240	6	5	88	0.10	<10	48	5	53
1301	12.5	3.49	0.2	100	270	<2	2.97	<0.5	50	84	391	5.98	10	0.53	50	1.52	567	<1	0.30	55	>10000	12	10	84	0.08	<10	92	5	70
1302	13.5	2.85	<0.2	70	210	<2	2.80	<0.5	51	72	288	5.07	10	0.42	50	1.45	486	<1	0.20	47	>10000	70	5	65	0.10	<10	78	5	56

Hole O:

8068	1.0	4.07	<0.2	25	120	<2	6.50	<0.5	23	120	79	4.95	<10	0.59	<10	2.26	673	<1	1.37	57	>10000	16	<5	52	0.20	<10	77	<5	115
8069	2.0	3.49	<0.2	10	120	<2	8.73	<0.5	24	122	61	4.64	<10	0.67	<10	2.62	725	<1	1.02	53	7940	12	5	69	0.20	<10	71	<5	123
8070	3.3	3.35	<0.2	<5	120	<2	9.31	<0.5	23	109	49	4.37	<10	0.67	<10	2.43	708	<1	0.87	47	6790	10	<5	72	0.18	<10	67	<5	108
8071	4.5	2.69	<0.2	5	90	<2	9.17	<0.5	20	106	32	3.78	<10	0.58	<10	2.78	588	<1	0.78	45	6490	4	<5	75	0.17	<10	62	<5	91
8072	5.5	2.35	<0.2	10	90	<2	9.87	<0.5	17	97	24	3.41	<10	0.46	<10	2.54	537	<1	0.55	38	4630	8	<5	77	0.16	<10	55	<5	75
8073	6.5	2.34	<0.2	20	90	<2	10.75	<0.5	16	107	27	3.44	<10	0.51	<10	2.78	537	<1	0.74	38	6370	4	5	84	0.15	<10	52	<5	75
8074	7.5	1.85	<0.2	<5	60	<2	11.53	<0.5	15	87	25	2.84	<10	0.33	<10	2.79	455	<1	0.56	33	5410	6	<5	83	0.14	<10	40	<5	58
8075	8.5	2.17	<0.2	10	80	<2	11.91	<0.5	16	110	30	3.33	<10	0.40	<10	2.69	515	<1	0.52	38	4360	2	5	89	0.16	<10	47	<5	70
8076	10.0	2.29	<0.2	10	90	<2	12.19	<0.5	17	93	27	3.30	<10	0.44	<10	2.70	552	<1	0.73	37	7000	<2	<5	92	0.16	<10	49	<5	74
8077	11.5	1.57	<0.2	<5	50	<2	12.23	<0.5	12	72	16	2.32	<10	0.29	<10	3.09	376	<1	0.63	24	6980	2	<5	82	0.13	<10	36	<5	48
8078	12.5	1.99	<0.2	5	80	<2	12.28	<0.5	15	96	22	2.98	<10	0.37	<10	2.71	517	<1	0.57	33	5520	2	5	87	0.13	<10	44	<5	64
8079	13.4	2.53	<0.2	<5	140	<2	12.03	<0.5	18	114	33	3.83	<10	0.53	<10	2.70	742	<1	0.28	41	2440	10	5	97	0.17	<10	55	<5	80
8080	14.1	2.08	<0.2	<5	100	<2	12.17	<0.5	16	84	25	2.96	<10	0.41	<10	2.82	535	<1	0.32	34	2900	10	<5	89	0.14	<10	45	<5	64
8081	15.0	2.80	<0.2	10	130	<2	9.93	<0.5	22	120	36	4.19	<10	0.57	<10	2.63	726	<1	0.45	48	3020	4	5	84	0.18	<10	59	<5	94
8082	16.0	2.75	<0.2	10	110	<2	9.86	<0.5	19	122	34	4.09	<10	0.54	<10	2.72	663	1	0.55	49	4120	6	5	85	0.19	<10	60	<5	96
8083	17.0	2.60	<0.2	10	120	<2	11.64	<0.5	18	117	32	3.79	<10	0.52	<10	2.66	679	<1	0.35	45	2740	8	5	93	0.18	<10	57	<5	86
8084	18.0	2.79	<0.2	25	150	<2	12.20	<0.5	19	112	34	3.82	<10	0.60	<10	2.63	723	<1	0.28	43	1850	6	5	103	0.19	<10	59	<5	88
8085	19.0	2.06	<0.2	<5	100	<2	10.62	<0.5	16	91	26	3.11	<10	0.41	<10	2.62	569	<1	0.29	37	2380	2	<5	82	0.16	<10	47	<5	72
8086	20.0	2.19	<0.2	5	100	<2	11.49	<0.5	17	96	30	3.32	<10	0.45	<10	2.53	647	<1	0.27	39	2060	8	5	91	0.17	<10	50	<5	79
8087	21.0	2.26	<0.2	<5	100	<2	10.67	<0.5	18	96	30	3.46	<10	0.44	<10	2.38	647	<1	0.31	40	2280	10	<5	87	0.17	<10	51	<5	83
8088	22.0	2.16	<0.2	5	100	<2	10.67	<0.5	17	93	30	3.34	<10	0.42	<10	2.28	640	<1	0.26	39	2090	8	5	86	0.15	<10	48	<5	80
8089	23.0	2.17	<0.2	10	100	<2	10.25	<0.5	16	86	27	3.24	<10	0.43	<10	2.42	624	<1	0.28	39	2100	8	5	86	0.18	<10	50	<5	79
8090	24.0	2.30	<0.2	<5	100	<2	10.42	<0.5	17	97	30	3.44	<10	0.47	<10	2.40	635	<1	0.38	40	2830	6	5	88	0.17	<10	52	<5	83
8091	25.0	2.34	<0.2	<5	110	<2	10.58	<0.5	18	97	30	3.53	<10	0.47	<10	2.46	677	<1	0.27	43	1940	6	5	89	0.19	<10	54	<5	84
8092	26.0	2.18	<0.2	5	100	<2	10.71	<0.5	17	90	28	3.28	<10	0.45	<10	2.46	658	<1	0.22	37	1640	6	<5	90	0.18	<10	51	<5	78
8093	27.0	2.57	<0.2	<5	120	<2	10.87	<0.5	19	101	32	3.68	<10	0.52	<10	2.54	693	<1	0.26	45	1960	14	<5	95	0.18	<10	55	<5	87
8094	28.0	2.36	<0.2	<5	110	<2	11.27	<0.5	17	92	29	3.38	<10	0.47	<10	2.51	660	<1	0.33	40	2640	8	<5	97	0.18	<10	52	<5	79
8095	29.0	2.79	<0.2	10	110	<2	10.47	<0.5	20	112	32	4.01	<10	0.56	<10	2.58	704	<1	0.54	49	4280	10	5	91	0.19	<10	61	<5	96
8096	30.0	2.54	<0.2	5	110	<2	9.85	<0.5	18	100	30	3.62	<10	0.50	<10	2.42	629	<1	0.72	40	7160	12	5	86	0.18	<10	55	<5	85
8097	32.5	1.73	<0.2	10	60	<2	>15.0	<0.5	15	88	32	2.96	<10	0.23	<10	3.06	537	<1	0.40	30	4100	6	5	111	0.11	<10	48	5	52
8098	34.4	2.58	<0.2	5	100	<2	10.94	<0.5	21	110	36	3.80	<10	0.43	<10	2.53	638	<1	0.54	46	4560	6	<5	92	0.14	<10	53	<5	82
8099	35.5	3.56	0.4	20	100	<2	4.24	<0.5	36	291	64	6.21	<10	0.35	20	2.71	792	3	0.56	84	4660	20	5	89	0.21	<10	77	<5	105
8100	36.5	3.69	0.2	20	100	<2	4.11	<0.5	55	296	66	6.43	10	0.32	20	2.82	811	3	0.45	90	3590	16	5	83	0.20	<10	74	<5	103
8101	37.5	3.48	<0.2	20	100	<2	5.59	<0.5	30	201	49	5.30	<10	0.37	<10	2.65	787	<1	0.60	66	4580	10	5	92	0.21	<10	77	<5	103
8102	40.5	2.03	<0.2	30	100	<2	12.38	<0.5	18	101	34	3.54	<10	0.31	<10	2.36	632	1	0.50	49	4580	4	<5	116	0.08	<10	42	<5	71
8103	41.7	1.94	<0.2	30	90	<2	12.99	<0.5	18	101	33	3.39	<10	0.28	<10	2.38	625	1	0.39	44	3720	14	5	115	0.08	<10	38	<5	67

Hole P:

8104	1.0	4.25	0.2	10	110	<2	3.92	<0.5	23	121	103	5.14	10	0.55	20	2.53	632	<1	0.99	65	5140	16	5	45	0.20	<10	70	<5	133
8105	2.0	3.16	<0.2	<5	120	<2	8.56	<0.5	21	112	59	4.17	<10	0.55	<10	2.36	661	<1	0.59	49	3040	10	<5	68	0.20	<10	61	<5	113
8106	3.0	3.12	<0.2	10	110	<2	9.28	<0.5	24	109	64	4.20	<10	0.58	<10	2.50	695	<1	0.76	50	5210	8	5	72	0.19	<10	62	<5	115
8107	4.0	2.85	<0.2	<5	120	<2	10.15	<0.5	24	104	59	4.01	<10	0.53	<10	2.40	871	<1	0.50	50	2350	10	<5	76	0.18	<10	59	<5	102
8108	5.0	2.15	<0.2	5	80	<2	12.62	<0.5	17	105	29	3.23	<10	0.40	<10	2.63	540	<1	0.36	36	2630	8	<5	88	0.15	<10	46	<5	66

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
8109	6.0	2.81	<0.2	15	120	<2	11.64	<0.5	20	113	34	3.88	<10	0.56	<10	2.59	677	<1	0.53	44	4240	<2	5	93	0.19	<10	58	<5	87
8110	7.0	2.50	<0.2	<5	100	<2	10.80	<0.5	19	99	30	3.54	<10	0.49	<10	2.43	620	<1	0.54	42	4730	12	<5	87	0.17	<10	53	<5	81
8111	8.0	2.48	<0.2	10	110	<2	12.16	<0.5	19	92	32	3.54	<10	0.47	<10	2.45	673	<1	0.31	39	2350	8	<5	97	0.16	<10	51	<5	81
8112	9.0	2.67	<0.2	<5	110	<2	11.19	<0.5	20	93	32	3.72	<10	0.50	<10	2.43	687	<1	0.48	43	4000	6	<5	91	0.17	<10	55	<5	88
8113	10.0	2.53	<0.2	10	110	<2	11.13	<0.5	19	96	30	3.62	<10	0.47	<10	2.52	656	<1	0.55	43	4990	8	5	90	0.18	<10	55	<5	86
8114	11.0	2.65	<0.2	5	110	<2	10.93	<0.5	18	109	32	3.79	<10	0.50	<10	2.53	687	<1	0.43	45	3460	10	<5	88	0.18	<10	56	<5	88
8115	12.0	2.06	<0.2	<5	90	<2	12.01	<0.5	16	104	30	3.26	<10	0.37	<10	2.53	606	<1	0.30	38	2150	10	<5	89	0.15	<10	45	<5	74
8116	13.0	2.30	<0.2	<5	110	<2	13.49	<0.5	17	112	33	3.42	<10	0.44	<10	2.53	626	<1	0.37	41	2490	12	5	101	0.15	<10	48	<5	76
8117	14.0	2.49	<0.2	<5	120	<2	12.17	<0.5	19	122	36	3.79	<10	0.48	<10	2.53	666	<1	0.38	44	2520	4	<5	95	0.17	<10	52	<5	84
8118	15.0	2.64	<0.2	<5	110	<2	11.72	<0.5	19	109	36	3.79	<10	0.51	<10	2.48	685	<1	0.37	43	2320	12	5	92	0.17	<10	54	<5	86
8119	16.0	2.68	<0.2	<5	140	<2	10.79	<0.5	18	103	34	3.80	<10	0.52	<10	2.54	690	<1	0.38	42	2690	10	<5	90	0.20	<10	59	<5	89
8120	17.0	2.70	<0.2	<5	120	<2	10.43	<0.5	18	114	30	3.84	<10	0.53	<10	2.59	634	<1	0.53	44	4530	10	<5	86	0.20	<10	59	<5	87
8121	18.0	2.40	<0.2	<5	110	<2	10.02	<0.5	17	100	27	3.51	<10	0.50	<10	2.41	592	<1	0.34	40	2170	10	5	82	0.19	<10	54	<5	80
8122	19.0	2.47	<0.2	<5	110	<2	11.34	<0.5	17	104	30	3.56	<10	0.50	<10	2.48	620	<1	0.36	40	2480	8	5	89	0.18	<10	54	<5	80
8123	20.0	2.44	<0.2	<5	110	<2	10.65	<0.5	18	112	32	3.67	<10	0.50	<10	2.55	626	<1	0.36	42	2470	4	5	85	0.19	<10	55	<5	85
8124	21.0	2.58	<0.2	5	110	<2	10.05	<0.5	18	105	30	3.72	<10	0.52	<10	2.52	624	<1	0.43	42	3140	12	<5	81	0.19	<10	57	<5	88
8125	22.0	2.55	<0.2	10	110	<2	10.45	<0.5	17	104	32	3.69	<10	0.52	<10	2.50	652	<1	0.44	42	3200	8	5	85	0.19	<10	56	<5	87
8126	23.0	2.54	<0.2	5	110	<2	10.49	<0.5	18	98	32	3.73	<10	0.49	<10	2.55	676	<1	0.41	44	3110	6	5	87	0.20	<10	57	<5	90
8127	24.0	2.32	<0.2	<5	100	<2	9.93	<0.5	16	94	26	3.41	<10	0.46	<10	2.54	593	<1	0.38	38	2870	6	<5	81	0.19	<10	53	<5	82
8128	25.0	2.57	<0.2	5	120	<2	10.13	<0.5	17	105	28	3.71	<10	0.50	<10	2.55	645	<1	0.33	41	2250	6	<5	85	0.20	<10	54	<5	88
8129	26.1	2.19	<0.2	5	100	<2	10.30	<0.5	15	94	27	3.39	<10	0.38	<10	2.43	607	<1	0.30	37	2180	<2	<5	84	0.18	<10	48	<5	80
8130	27.3	2.17	<0.2	5	100	<2	10.62	<0.5	15	101	28	3.37	<10	0.39	<10	2.48	583	<1	0.34	36	2630	6	<5	86	0.17	<10	47	<5	77
8131	28.4	2.56	<0.2	10	100	<2	9.71	<0.5	16	106	28	3.73	<10	0.45	<10	2.58	585	<1	0.60	41	5340	6	<5	81	0.18	<10	54	<5	88
Hole Q:																													
8132	25.5	2.51	<0.2	5	90	<2	8.73	<0.5	17	103	27	3.65	<10	0.45	<10	2.49	527	<1	0.78	40	7370	10	5	74	0.17	<10	52	<5	88
8133	26.5	2.41	<0.2	<5	90	<2	6.91	<0.5	17	95	28	3.61	<10	0.41	<10	2.74	451	<1	0.96	40	>10000	2	<5	61	0.16	<10	51	<5	90
8134	27.5	2.29	<0.2	<5	90	<2	8.87	<0.5	15	91	23	3.37	<10	0.41	<10	2.45	502	<1	0.68	38	6500	4	<5	74	0.17	<10	48	<5	81
8135	28.5	2.52	<0.2	<5	110	<2	12.04	<0.5	19	91	29	3.59	<10	0.54	<10	2.68	631	1	0.49	43	2940	<2	<5	100	0.18	<10	66	5	78
8136	29.4	2.02	<0.2	<5	80	<2	10.09	<0.5	10	81	20	3.04	<10	0.42	<10	2.71	484	1	0.42	37	2850	2	<5	79	0.14	<10	52	5	67
8137	31.0	1.80	<0.2	<5	60	<2	12.18	<0.5	11	68	20	2.70	<10	0.38	<10	3.03	486	<1	0.35	32	2060	4	<5	88	0.14	<10	48	<5	59
Hole R:																													
8138	25.5	2.11	<0.2	<5	100	<2	12.26	<0.5	16	90	23	3.22	<10	0.50	<10	2.90	570	1	0.42	37	2830	2	5	93	0.17	<10	56	5	70
8139	26.5	2.49	<0.2	<5	120	<2	12.19	<0.5	16	105	29	3.74	<10	0.60	<10	2.72	673	1	0.38	44	2250	<2	<5	98	0.19	<10	65	<5	84
8140	27.5	2.46	<0.2	20	100	2	12.16	<0.5	18	102	28	3.86	<10	0.56	<10	2.82	666	<1	0.50	44	3540	<2	<5	98	0.20	<10	66	<5	86
8141	28.5	2.51	<0.2	<5	120	<2	11.77	<0.5	16	96	31	3.79	<10	0.58	<10	2.50	716	1	0.38	45	2280	2	<5	100	0.19	<10	64	5	86
8142	29.5	2.59	<0.2	5	120	<2	12.40	<0.5	16	103	30	3.90	<10	0.61	<10	2.59	722	1	0.45	44	2940	2	<5	104	0.19	<10	66	5	87
8143	30.5	2.59	<0.2	5	120	<2	12.40	<0.5	16	103	30	3.90	<10	0.61	<10	2.59	722	1	0.45	44	2940	2	<5	104	0.19	<10	66	5	87
8144	31.5	2.50	<0.2	5	120	<2	12.71	<0.5	15	97	31	3.76	<10	0.55	<10	2.58	732	1	0.28	41	1830	10	<5	109	0.19	<10	63	<5	85
8145	33.6	1.49	<0.2	<5	50	<2	>15.0	<0.5	18	73	19	2.54	<10	0.27	<10	2.91	445	2	0.71	23	6580	<2	<5	112	0.09	<10	40	5	45
8146	35.8	1.74	<0.2	<5	60	<2	>15.0	<0.5	11	91	18	2.80	<10	0.38	<10	3.08	506	2	0.71	33	5960	10	<5	127	0.09	<10	45	15	45
8147	38.0	2.54	<0.2	10	80	<2	13.95	<0.5	18	109	24	3.75	<10	0.49	<10	2.74	581	2	0.75	44	5500	4	<5	105	0.12	<10	62	15	73
8148	39.5	2.48	<0.2	<5	90	<2	>15.0	<0.5	16	89	30	3.52	<10	0.48	<10	2.80	671	2	0.75	40	5400	10	<5	115	0.11	<10	60	10	71
8149	42.0	2.84	<0.2	10	100	<2	13.80	<0.5	22	129	42	4.50	<10	0.51	<10	2.61	777	2	0.79	59	6320	12	<5	116	0.12	<10	70	10	83
8150	43.0	2.99	<0.2	10	110	<2	11.71	<0.5	24	149	39	5.05	<10	0.51	<10	2.60	809	4	0.54	63	3560								

<2	Depth m	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sr	Ti	Tl	V	W	Zn
8156	6.0	2.08	<0.2	5	70	<2	>15.0	<0.5	14	97	22	2.98	<10	0.48	<10	2.51	621	2	0.55	38	3720	8	<5	121	0.11	<10	41	10	57
8157	7.0	2.12	<0.2	<5	60	<2	14.43	<0.5	15	87	17	2.93	<10	0.47	<10	2.67	536	2	0.95	39	7920	20	<5	108	0.08	<10	42	15	58
8158	8.0	2.33	<0.2	10	70	<2	15.00	<0.5	16	74	18	3.01	<10	0.52	<10	2.43	599	<1	0.77	40	5880	8	<5	117	0.12	<10	45	15	64
8159	9.0	2.20	<0.2	<5	70	<2	14.78	<0.5	15	79	16	2.94	<10	0.48	<10	2.53	548	1	0.60	35	4180	6	<5	118	0.13	<10	41	10	57
Hole T:																													
8160	58.1	3.42	<0.2	5	90	<2	5.03	<0.5	40	80	80	5.37	<10	0.40	<10	2.22	797	2	0.82	72	4860	4	<5	70	0.09	<10	69	20	87

Appendix 13

**Geochemical Analysis
of Magnetic Heavy Mineral Concentrates**

Geochemical analysis of magnetic -10 mesh >3.36 (methylene iodide) heavy mineral concentrate.
Trace elements: perchloric-nitric-hydrofluoric total leach, ICP; precious metals: fire assay/AFS.

Mags	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
Units:	ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
C horizon surface till samples; sampling depth ~0.8 m.																											
Number:	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
Minimum:	<2	<4	<10	0.40	<0.5	20	<20	<5	0.28	<5	<10	190	<10	>25	<0.01	0.13	770	<10	0.02	35	<100	<2	12	0.73	720	<100	126
Mean:	9	<4	<10	0.67	<0.5	341	<20	<5	0.54	<5	<10	1037	<10	>25	<0.01	0.31	1327	<10	0.20	69	114	3.2	29	2.09	1390	<100	210
Maximum:	330	12	20	2.00	5.5	780	100	<5	1.16	5	240	3850	30	>25	0.10	1.13	2910	<10	0.50	389	700	128	137	5.82	3820	<100	790
Location Map A:																											
42 Mag	<2	<12	<30	0.40	<0.5	90	<20	<5	0.32	5	<10	1110	<10	>25	<0.01	0.15	870	<10	0.07	58	400	2	14	0.75	1260	<100	160
43 Mag	36	<24	<60	0.50	<0.5	130	<20	<5	0.44	5	<10	1140	<10	>25	<0.01	0.22	1340	<10	0.11	57	400	2	20	0.91	1220	<100	168
44 Mag	<24	<24	<60	0.40	<0.5	140	<20	<5	0.39	5	<10	1090	<10	>25	<0.01	0.19	860	<10	0.10	56	400	2	15	0.78	1290	<100	162
94 Mag	<6	6	<15	1.40	<0.5	260	<20	<5	0.95	5	50	380	<10	>25	0.03	1.00	2670	<10	0.38	251	700	2	137	5.73	2490	<100	450
95 Mag	<4	8	<10	1.70	<0.5	230	20	<5	0.93	5	80	290	<10	>25	0.04	1.04	2910	<10	0.28	306	300	2	122	5.82	3100	<100	562
96 Mag	78	<12	<30	0.50	<0.5	110	<20	<5	0.56	5	<10	1180	<10	>25	<0.01	0.21	1080	<10	0.07	57	400	2	29	1.23	1230	<100	168
97 Mag	12	<8	<20	0.40	<0.5	100	<20	<5	0.36	5	<10	1210	<10	>25	<0.01	0.16	900	<10	0.06	58	400	2	16	0.81	1290	<100	156
98 Mag	<20	<20	<50	0.50	<0.5	110	<20	<5	0.59	5	<10	970	<10	>25	<0.01	0.25	1120	<10	0.09	53	500	2	23	1.32	1140	<100	164
634 Mag	<24	<24	<60	0.80	<0.5	410	<20	<5	0.67	<5	<10	950	<10	>25	<0.01	0.50	1690	<10	0.22	99	<100	2	56	3.72	1560	<100	240
636 Mag	<30	<30	<75	0.70	<0.5	410	<20	<5	0.49	<5	<10	990	<10	>25	<0.01	0.33	1330	<10	0.13	46	100	2	35	1.79	1140	<100	148
645 Mag	<12	<12	<30	0.70	<0.5	250	<20	<5	0.78	<5	<10	890	<10	>25	<0.01	0.24	1390	<10	0.20	49	<100	2	25	2.24	1210	<100	174
646 Mag	<12	<12	<30	0.60	<0.5	300	<20	<5	0.45	<5	<10	1030	<10	>25	<0.01	0.23	1190	<10	0.15	55	<100	2	23	1.64	1200	<100	160
647 Mag	<60	<60	<15	0.70	<0.5	270	<20	<5	0.96	<5	<10	900	<10	>25	<0.01	0.44	1680	<10	0.18	51	100	2	29	3.10	1350	<100	174
648 Mag	36	<24	<60	0.80	<0.5	310	<20	<5	0.69	<5	<10	840	<10	>25	<0.01	0.46	1390	<10	0.20	76	<100	2	42	2.45	1360	<100	196
649 Mag	<12	<12	<30	1.30	<0.5	420	<20	<5	0.79	<5	20	450	<10	>25	0.05	0.89	2250	<10	0.29	205	100	2	79	5.43	2270	<100	384
653 Mag	<20	<20	<50	0.60	<0.5	380	<20	<5	0.51	<5	<10	870	<10	>25	<0.01	0.23	1190	<10	0.19	48	<100	2	20	1.72	1260	<100	194
654 Mag	<24	<24	<60	0.60	<0.5	350	<20	<5	0.35	<5	<10	950	<10	>25	<0.01	0.18	900	<10	0.18	56	<100	2	19	1.12	1190	<100	160
655 Mag	<12	<12	<30	0.60	<0.5	280	<20	<5	0.32	<5	<10	940	<10	>25	<0.01	0.17	770	<10	0.14	47	<100	2	18	0.78	1140	<100	140
656 Mag	<12	<12	<30	0.40	<0.5	260	<20	<5	0.36	<5	<10	1010	<10	>25	<0.01	0.17	930	<10	0.11	47	<100	2	15	1.01	1230	<100	160
657 Mag	<12	<12	<30	0.60	<0.5	360	<20	<5	0.38	<5	<10	1440	<10	>25	<0.01	0.17	870	<10	0.18	59	100	2	23	0.96	1220	<100	178
658 Mag	<20	<20	<50	0.40	<0.5	230	<20	<5	0.39	<5	<10	1110	<10	>25	<0.01	0.17	990	<10	0.10	51	<100	2	16	1.12	1280	<100	188
659 Mag	<20	<20	<50	0.40	<0.5	280	<20	<5	0.39	<5	<10	1170	<10	>25	<0.01	0.17	940	<10	0.13	56	<100	2	15	1.10	1340	<100	190
660 Mag	<20	<20	<50	0.40	<0.5	230	<20	<5	0.42	<5	<10	1130	<10	>25	<0.01	0.19	970	<10	0.11	57	<100	2	16	1.12	1350	<100	180
661 Mag	<20	<20	<50	0.40	<0.5	290	<20	<5	0.40	<5	<10	1090	<10	>25	<0.01	0.17	840	<10	0.13	56	<100	2	17	0.92	1280	<100	158
662 Mag	<8	<8	<20	0.40	<0.5	180	<20	<5	0.39	<5	<10	960	<10	>25	<0.01	0.19	950	<10	0.08	54	<100	2	15	1.10	1270	<100	170
663 Mag	<12	<12	<30	0.70	<0.5	340	<20	<5	0.33	<5	<10	1000	<10	>25	<0.01	0.19	870	<10	0.17	53	<100	2	22	0.94	1260	<100	156
664 Mag	<12	<12	<30	0.40	<0.5	260	<20	<5	0.38	<5	<10	1040	<10	>25	<0.01	0.17	940	<10	0.11	51	<100	2	17	0.97	1270	<100	164
665 Mag	<12	<12	<30	0.50	<0.5	460	<20	<5	0.43	<5	<10	1040	<10	>25	<0.01	0.19	970	<10	0.21	54	<100	2	22	1.04	1310	<100	156
666 Mag	<12	<12	<30	0.40	<0.5	340	<20	<5	0.40	<5	<10	1060	<10	>25	<0.01	0.18	960	<10	0.14	53	<100	2	18	1.05	1220	<100	148
667 Mag	<12	<12	<30	0.40	<0.5	320	<20	<5	0.40	<5	<10	1030	<10	>25	<0.01	0.18	1060	<10	0.13	50	<100	2	18	1.27	1250	<100	168
668 Mag	<20	<20	<50	0.50	<0.5	310	<20	<5	0.57	<5	<10	1010	<10	>25	<0.01	0.23	980	<10	0.14	56	<100	2	23	1.15	1200	<100	160
669 Mag	<12	<12	<30	0.40	<0.5	340	<20	<5	0.38	<5	<10	1150	<10	>25	<0.01	0.17	940	<10	0.13	55	<100	2	19	1.05	1240	<100	160
670 Mag	<8	<8	<20	0.40	<0.5	360	<20	<5	0.42	<5	<10	1030	<10	>25	<0.01	0.20	1020	<10	0.15	48	<100	2	21	1.21	1260	<100	160
671 Mag	<20	<20	<50	0.60	<0.5	400	<20	<5	0.59	<5	<10	1140	<10	>25	<0.01	0.28	1700	<10	0.19	60	<100	2	27	2.15	1310	<100	170
672 Mag	<12	<12	<30	0.50	<0.5	210	<20	<5	0.54	<5	<10	1010	<10	>25	<0.01	0.24	1170	<10	0.10	51	<100	2	25	1.23	1200	<100	156
673 Mag	<12	<12	<30	0.40	<0.5	190	<20	<5	0.48	<5	<10	1020	<10	>25	<0.01	0.22	1170	<10	0.09	52	<100	2	20	1.40	1150	<100	160
674 Mag	<12	<12	<30	0.40	<0.5	470	<20	<5	0.42	<5	<10	1060	<10	>25	<0.01	0.20	1100	<10	0.19	51	<100	2	22	1.13	1200	<100	152
675 Mag	<12	<12	<30	0.50	<0.5	570	<20	<5	0.45	<5	<10	1160	<10	>25	<0.01	0.21	1220	<10	0.23	52	<100	2	23	1.42	1230	<100	160
676 Mag	54	<12	<30	0.60	<0.5	470	<20	<5	0.53	<5	<10	1030	<10	>25	<0.01	0.25	1310	<10	0.21	47	<100	2	26	1.90	1140	<100	160
677 Mag	<8	<8	<20	0.50	<0.5	310	<20	<5	0.53	<5	<10	920	<10	>25	<0.01	0.24	1280	<10	0.14	47	<100	2	25	1.61	1160	<100	160
678 Mag	<6	<6	<15	0.50	<0.5	350	<20	<5	0.47	<5	<10	1050	<10	>25	<0.01	0.21	1170	<10	0.14	49	<100	2	23	1.37	1220	<100	160

Mags	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
679 Mag	22	<6	<15	0.50	<0.5	430	<20	<5	0.42	<5	<10	1040	<10	>25	<0.01	0.20	1160	<10	0.19	51	<100	2	21	1.33	1200	<100	162
680 Mag	<12	<12	<30	0.40	<0.5	310	<20	<5	0.41	<5	<10	1090	<10	>25	<0.01	0.19	1180	<10	0.12	49	<100	2	18	1.53	1220	<100	176
681 Mag	<12	<12	<30	0.40	<0.5	360	<20	<5	0.38	<5	<10	1080	<10	>25	<0.01	0.16	1050	<10	0.14	50	<100	2	18	1.25	1220	<100	162
682 Mag	<8	<8	<20	0.50	<0.5	410	<20	<5	0.47	<5	<10	1060	<10	>25	<0.01	0.21	1210	<10	0.18	47	<100	2	21	1.47	1220	<100	168
683 Mag	<8	<8	<20	0.50	<0.5	480	<20	<5	0.50	<5	<10	1010	<10	>25	<0.01	0.21	1190	<10	0.20	48	<100	2	24	1.49	1150	<100	154
684 Mag	<12	<12	<30	0.50	<0.5	300	<20	<5	0.52	<5	<10	1010	<10	>25	<0.01	0.23	1190	<10	0.12	52	<100	2	23	1.55	1160	<100	158
685 Mag	<12	<12	<30	0.40	<0.5	310	<20	<5	0.39	<5	<10	1070	<10	>25	<0.01	0.18	1120	<10	0.14	50	<100	2	17	1.38	1250	<100	184
686 Mag	<20	<20	<50	0.40	<0.5	360	<20	<5	0.35	<5	<10	1120	<10	>25	<0.01	0.16	970	<10	0.15	55	<100	2	16	1.23	1340	<100	200
687 Mag	<20	<20	<50	0.50	<0.5	440	<20	<5	0.45	<5	<10	1370	<10	>25	<0.01	0.22	1100	<10	0.18	58	<100	2	24	1.30	1360	<100	198
688 Mag	<6	<6	<15	0.50	<0.5	360	<20	<5	0.45	<5	<10	1090	<10	>25	<0.01	0.21	1040	<10	0.15	53	<100	2	23	1.20	1280	<100	174
689 Mag	<8	<8	<20	0.50	<0.5	420	<20	<5	0.43	<5	<10	990	<10	>25	<0.01	0.20	940	<10	0.18	46	<100	2	23	0.95	1200	<100	154
690 Mag	<20	<20	<50	0.50	<0.5	390	<20	<5	0.43	<5	<10	1010	<10	>25	<0.01	0.19	930	<10	0.17	47	<100	2	20	1.08	1250	<100	170
691 Mag	<20	<20	<50	0.50	<0.5	710	<20	<5	0.32	<5	<10	1110	<10	>25	<0.01	0.13	850	<10	0.29	54	<100	2	19	0.81	1320	<100	160
692 Mag	<12	<12	<30	0.50	<0.5	620	<20	<5	0.48	<5	<10	1050	<10	>25	<0.01	0.21	1090	<10	0.26	51	<100	2	26	1.19	1230	<100	160
693 Mag	<12	<12	<30	0.60	<0.5	500	<20	<5	0.48	<5	<10	810	<10	>25	<0.01	0.21	910	<10	0.23	43	<100	2	26	1.01	1100	<100	160
694 Mag	<20	<20	<50	0.50	<0.5	440	<20	<5	0.41	<5	<10	1130	<10	>25	<0.01	0.17	1350	<10	0.18	54	<100	2	18	1.22	1290	<100	176
695 Mag	<12	<12	<30	0.50	<0.5	360	<20	<5	0.40	<5	<10	1000	<10	>25	<0.01	0.20	1250	<10	0.15	50	<100	2	18	2.47	1310	<100	450
697 Mag	<12	<12	<30	0.50	<0.5	480	<20	<5	0.35	<5	<10	1090	<10	>25	<0.01	0.15	920	<10	0.20	51	100	2	18	0.96	1260	<100	162
8041 Mag	<24	<24	<60	0.90	<0.5	440	<20	<5	0.86	<5	<10	900	<10	>25	<0.01	0.47	1770	<10	0.31	43	100	<2	34	2.67	1200	<100	224
8042 Mag	<6	<6	<15	1.50	<0.5	550	<20	<5	0.93	<5	20	430	<10	>25	0.04	1.13	2310	<10	0.42	206	100	<2	87	5.22	2260	<100	416
8043 Mag	<12	<12	<30	0.80	<0.5	420	<20	<5	0.75	<5	<10	850	<10	>25	<0.01	0.39	1480	<10	0.24	47	100	<2	33	2.02	1110	<100	188
8044 Mag	<12	<12	<30	0.60	<0.5	280	<20	<5	0.58	<5	<10	980	<10	>25	<0.01	0.26	1150	<10	0.16	47	100	<2	26	1.37	1120	<100	160
8049 Mag	<6	<6	<15	0.60	<0.5	480	<20	<5	0.49	<5	<10	1070	<10	>25	<0.01	0.25	1170	<10	0.28	49	100	<2	27	1.32	1180	<100	162
Location Map B:																											
47 Mag	<24	<24	<60	0.40	<0.5	100	<20	<5	0.34	5	<10	1120	<10	>25	<0.01	0.15	780	<10	0.07	54	400	2	12	0.76	1280	<100	162
48 Mag	<24	<24	<60	0.40	<0.5	140	<20	<5	0.32	5	<10	1220	<10	>25	<0.01	0.15	880	<10	0.08	62	400	2	14	0.90	1340	<100	182
49 Mag	<24	<24	<60	0.40	<0.5	160	<20	<5	0.42	5	<10	1120	<10	>25	<0.01	0.19	860	<10	0.12	60	400	2	15	0.91	1330	<100	182
61 Mag	<20	<20	<50	0.70	<0.5	250	<20	<5	0.93	5	<10	990	<10	>25	<0.01	0.46	1340	<10	0.19	65	600	2	37	2.06	1280	<100	184
62 Mag	<12	<12	<30	0.80	<0.5	230	<20	<5	0.79	5	<10	940	<10	>25	<0.01	0.42	1300	<10	0.21	59	600	2	34	2.41	1430	<100	210
63 Mag	<12	<12	<30	0.60	<0.5	200	<20	<5	0.73	5	<10	1150	<10	>25	<0.01	0.31	1130	<10	0.16	54	600	2	29	1.16	1220	<100	170
64 Mag	<20	<20	<50	0.50	<0.5	150	<20	<5	0.66	5	<10	1270	<10	>25	<0.01	0.35	1160	<10	0.12	59	500	2	25	1.24	1220	<100	166
600 Mag	<20	<20	<50	0.50	<0.5	210	<20	<5	0.42	5	<10	1070	<10	>25	<0.01	0.20	1170	<10	0.13	55	400	2	20	1.24	1300	<100	176
601 Mag	<8	<8	<20	0.40	<0.5	260	<20	<5	0.45	5	<10	1020	<10	>25	<0.01	0.23	1080	<10	0.15	53	500	2	19	1.25	1240	<100	154
602 Mag	<12	<12	<30	0.40	<0.5	190	<20	<5	0.36	5	<10	1130	<10	>25	<0.01	0.18	890	<10	0.10	54	400	2	15	0.85	1300	<100	152
603 Mag	<20	<20	<50	0.40	<0.5	220	<20	<5	0.38	5	<10	1120	<10	>25	<0.01	0.18	1160	<10	0.11	60	400	2	15	1.47	1300	<100	172
604 Mag	240	<60	<15	0.60	0.5	20	<20	<5	0.70	<5	<10	2100	<10	>25	<0.01	0.30	2380	<10	0.04	58	400	2	20	2.22	720	<100	232
605 Mag	<8	<8	<20	0.50	<0.5	270	<20	<5	0.28	5	<10	1250	<10	>25	<0.01	0.15	860	<10	0.14	63	400	2	16	0.84	1310	<100	158
606 Mag	<6	<6	<15	0.60	<0.5	180	<20	<5	0.36	5	<10	890	<10	>25	<0.01	0.19	1090	<10	0.10	49	400	2	20	1.24	1160	<100	146
607 Mag	48	<8	<20	0.50	<0.5	200	<20	<5	0.49	5	<10	1050	<10	>25	<0.01	0.23	1280	<10	0.12	53	400	2	22	1.52	1240	<100	178
608 Mag	138	<12	<30	0.50	<0.5	240	<20	<5	0.51	5	<10	1060	<10	>25	<0.01	0.22	1270	<10	0.12	55	400	2	24	1.61	1240	<100	176
609 Mag	<8	<8	<20	0.60	<0.5	240	<20	<5	0.66	5	<10	970	<10	>25	<0.01	0.27	1480	<10	0.14	51	500	2	29	2.00	1180	<100	154
610 Mag	<6	<6	<15	0.60	<0.5	200	<20	<5	0.48	5	<10	700	<10	>25	<0.01	0.26	1230	<10	0.13	45	500	2	22	1.37	1030	<100	136
611 Mag	<24	<24	<60	0.70	<0.5	330	<20	<5	0.28	5	<10	1240	<10	>25	<0.01	0.17	1220	<10	0.19	73	300	2	23	1.59	1220	<100	184
612 Mag	20	<8	<20	0.60	0.5	40	<20	<5	0.52	<5	<10	980	<10	>25	<0.01	0.34	1240	<10	0.04	66	400	2	20	0.73	1120	<100	204
613 Mag	<8	<8	<20	0.40	<0.5	120	<20	<5	0.53	5	<10	1090	<10	>25	<0.01	0.23	1150	<10	0.07	56	400	2	20	1.22	1190	<100	162
614 Mag	<8	<8	<20	0.50	<0.5	150	<20	<5	0.58	5	<10	1130	<10	>25	<0.01	0.26	1260	<10	0.10	56	400	2	24	1.53	1180	<100	160
615 Mag	8	<8	<20	0.50	<0.5	230	<20	<5	0.55	5	<10	1040	<10	>25	<0.01	0.25	1230	<10	0.14	55	100	2	26	1.59	1200	<100	164
616 Mag	nss	nss	nss	0.50	<0.5	240	<20	<5	0.90	5	<10	1630	<10	>25	<0.01	0.37	2400	<10	0.15	56	100	2	29	4.96	1030	<100	168
617 Mag	330	<20	<50	0.70	<0.5	360	<20	<5	0.70	5	<10	1170	<10	>25	<0.01	0.31	1760	<10	0.22	62	100	2	32	3.14	1140	<100	180
618 Mag	<12	<12	<30	0.70	<0.5	420	<20	<5</																			

Mags	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
622 Mag	<12	<12	<30	0.90	<0.5	220	<20	<5	0.70	5	<10	870	<10	>25	0.04	0.41	1300	<10	0.17	53	200	2	36	1.92	1120	<100	170
623 Mag	<6	<6	<15	0.90	<0.5	410	<20	<5	0.58	<5	<10	900	<10	>25	0.03	0.37	1550	<10	0.27	68	<100	2	38	3.49	1540	<100	218
624 Mag	<12	<12	<30	0.70	<0.5	300	<20	<5	0.76	<5	<10	920	<10	>25	<0.01	0.41	1650	<10	0.19	63	100	2	36	3.84	1440	<100	206
625 Mag	<12	<12	<30	0.50	<0.5	310	<20	<5	0.57	<5	<10	990	<10	>25	<0.01	0.24	1180	<10	0.15	55	100	2	21	1.64	1200	<100	160
626 Mag	<60	<60	<15	0.80	<0.5	570	<20	<5	0.48	<5	<10	1040	<10	>25	<0.01	0.33	1520	<10	0.28	87	<100	2	36	4.60	1810	<100	270
627 Mag	<20	<20	<50	0.50	<0.5	410	<20	<5	0.44	<5	<10	1050	<10	>25	<0.01	0.19	1020	<10	0.20	61	<100	2	20	1.62	1440	<100	192
628 Mag	<24	<24	<60	0.90	<0.5	400	<20	<5	0.49	<5	40	560	<10	>25	<0.01	0.34	2330	<10	0.21	126	<100	12	34	5.74	2640	<100	450
629 Mag	<20	<20	<50	0.60	<0.5	350	<20	<5	0.34	<5	<10	1260	<10	>25	<0.01	0.17	870	<10	0.15	66	<100	2	24	1.21	1400	<100	178
630 Mag	<20	<20	<50	1.40	<0.5	340	<20	<5	0.91	<5	20	1240	<10	>25	0.03	0.68	2240	<10	0.26	108	100	42	51	5.55	2010	<100	394
631 Mag	8	<8	20	0.80	<0.5	470	<20	<5	0.49	<5	<10	930	<10	>25	<0.01	0.27	1270	<10	0.24	65	<100	2	26	2.85	1610	<100	228
632 Mag	24	<12	<30	1.00	<0.5	470	<20	<5	0.43	<5	<10	960	<10	>25	0.02	0.28	1360	<10	0.28	94	<100	2	26	3.95	1920	<100	274
633 Mag	<12	<12	<30	0.70	<0.5	250	<20	<5	0.66	<5	<10	910	<10	>25	<0.01	0.38	1720	<10	0.15	85	<100	2	24	4.46	1590	<100	246
635 Mag	<30	<30	<75	0.70	<0.5	380	<20	<5	0.79	<5	<10	920	<10	>25	<0.01	0.41	1850	<10	0.20	50	<100	2	29	2.85	1220	<100	200
640 Mag	6	12	10	2.00	<0.5	360	100	<5	0.76	<5	240	190	20	>25	0.02	1.12	2340	<10	0.35	389	<100	2	31	2.01	3660	<100	790
641 Mag	4	10	<10	2.00	<0.5	330	100	<5	0.80	<5	230	190	10	>25	0.03	1.04	2670	<10	0.32	343	100	2	28	2.07	3820	<100	790
642 Mag	<12	<12	<30	0.80	<0.5	340	<20	<5	0.57	<5	<10	1060	<10	>25	<0.01	0.31	1320	<10	0.19	62	100	2	34	2.32	1300	<100	190
643 Mag	<8	<8	<20	0.90	<0.5	440	<20	<5	0.43	<5	<10	910	<10	>25	<0.01	0.32	1480	<10	0.22	83	<100	2	35	3.77	1650	<100	240
644 Mag	<12	<12	<30	1.00	<0.5	470	<20	<5	0.64	<5	<10	790	<10	>25	0.04	0.49	1750	<10	0.29	85	100	2	42	4.65	1690	<100	246
650 Mag	<60	<60	<15	0.80	<0.5	140	<20	<5	0.60	<5	<10	840	<10	>25	<0.01	0.38	2100	<10	0.10	106	<100	2	34	3.06	1640	<100	360
651 Mag	<24	<24	<60	0.60	<0.5	270	<20	<5	0.46	<5	<10	930	<10	>25	<0.01	0.23	1260	<10	0.14	73	<100	2	26	2.89	1640	<100	230
652 Mag	<12	<12	<30	0.70	<0.5	420	<20	<5	0.45	<5	<10	1020	<10	>25	<0.01	0.31	1270	<10	0.21	95	<100	2	35	2.73	1670	<100	240
698 Mag	<20	<20	<50	0.50	<0.5	390	<20	<5	0.42	<5	<10	1020	<10	>25	<0.01	0.18	1060	<10	0.25	54	100	2	20	1.20	1270	<100	176
699 Mag	<12	<12	<30	0.50	<0.5	440	<20	<5	0.45	<5	<10	1010	<10	>25	<0.01	0.20	1080	<10	0.23	51	100	2	20	1.27	1220	<100	168
700 Mag	<60	<60	<15	0.40	<0.5	20	<20	<5	0.44	<5	<10	1000	<10	>25	<0.01	0.20	1040	<10	0.02	64	<100	<2	12	1.08	1160	<100	176
701 Mag	<12	<12	<30	0.50	<0.5	230	<20	<5	0.42	<5	<10	1030	<10	>25	<0.01	0.22	1030	<10	0.13	57	100	2	20	1.23	1260	<100	180
702 Mag	<12	<12	<30	0.50	<0.5	250	<20	<5	0.55	<5	<10	950	<10	>25	<0.01	0.40	1290	<10	0.15	69	100	2	26	2.18	1350	<100	252
703 Mag	<12	<12	<30	0.50	<0.5	330	<20	<5	0.52	<5	<10	960	<10	>25	<0.01	0.29	1250	<10	0.17	56	100	2	25	1.94	1410	<100	204
704 Mag	<12	<12	<30	0.60	<0.5	350	<20	<5	0.53	<5	<10	960	<10	>25	<0.01	0.33	1350	<10	0.21	65	100	2	29	2.39	1520	<100	212
705 Mag	<20	<20	<50	0.70	<0.5	410	<20	<5	0.57	<5	<10	870	<10	>25	<0.01	0.33	1450	<10	0.23	67	100	2	38	2.77	1570	<100	330
706 Mag	<8	<8	<20	0.60	<0.5	350	<20	<5	0.48	<5	<10	930	<10	>25	<0.01	0.32	1170	<10	0.23	68	100	2	29	1.94	1440	<100	200
707 Mag	<8	<8	<20	0.60	<0.5	290	<20	<5	0.52	<5	<10	990	<10	>25	<0.01	0.32	1200	<10	0.17	66	100	2	28	1.78	1360	<100	188
708 Mag	<12	<12	<30	0.40	<0.5	290	<20	<5	0.43	<5	<10	950	<10	>25	<0.01	0.20	1090	<10	0.14	51	100	2	19	1.41	1290	<100	180
709 Mag	<12	<12	<30	0.40	<0.5	120	<20	<5	0.37	<5	<10	1090	<10	>25	<0.01	0.17	940	<10	0.06	57	100	2	15	0.96	1220	<100	172
710 Mag	<12	<12	<30	0.40	<0.5	170	<20	<5	0.39	<5	<10	1030	<10	>25	<0.01	0.18	1060	<10	0.08	50	100	2	15	1.24	1270	<100	194
711 Mag	<8	<8	<20	0.40	<0.5	150	<20	<5	0.34	<5	<10	900	<10	>25	<0.01	0.16	1010	<10	0.07	47	100	2	14	1.14	1230	<100	166
712 Mag	nss	nss	nss	0.80	<0.5	20	<20	<5	1.16	<5	<10	1900	<10	>25	<0.01	0.54	1760	<10	0.06	58	200	<2	36	2.38	980	<100	232
8001 Mag	<12	<12	<30	0.60	<0.5	430	<20	<5	0.57	<5	<10	1010	<10	>25	<0.01	0.24	1030	<10	0.24	53	100	<2	26	1.27	1320	<100	160
8002 Mag	30	<12	<30	0.70	<0.5	430	<20	<5	0.76	<5	<10	1020	<10	>25	0.01	0.29	890	<10	0.33	50	100	<2	28	1.03	1230	<100	148
8003 Mag	<12	<12	<30	1.00	<0.5	530	<20	<5	0.78	<5	<10	860	<10	>25	<0.01	0.51	1720	<10	0.40	103	<100	<2	92	4.69	1930	<100	276
8004 Mag	60	<60	<15	0.90	<0.5	680	<20	<5	0.52	<5	<10	1100	<10	>25	<0.01	0.34	1310	<10	0.38	85	<100	<2	64	3.04	1670	<100	220
8005 Mag	<12	<12	<30	1.00	<0.5	660	<20	<5	0.54	<5	<10	940	<10	>25	<0.01	0.37	1340	<10	0.39	71	<100	<2	35	2.97	1590	<100	204
8006 Mag	<12	<12	<30	0.90	<0.5	490	<20	<5	0.51	<5	<10	720	<10	>25	<0.01	0.37	1860	<10	0.32	99	<100	2	40	5.11	2120	<100	336
8007 Mag	<12	<12	<30	1.10	0.5	470	<20	<5	0.63	<5	10	710	<10	>25	<0.01	0.44	2210	<10	0.35	119	<100	2	42	5.53	2450	<100	400
8008 Mag	nss	nss	nss	1.60	5.5	550	<20	<5	1.04	<5	60	1870	<10	>25	<0.01	0.83	2380	<10	0.40	125	100	70	62	5.51	2260	<100	470
8009 Mag	4	8	<10	1.20	2.0	460	<20	<5	0.60	<5	20	450	10	>25	0.04	0.44	2440	<10	0.33	125	100	<2	57	5.30	2660	<100	420
8010 Mag	12	<12	<30	1.00	<0.5	480	<20	<5	0.75	<5	<10	940	<10	>25	<0.01	0.48	1590	<10	0.45	66	100	<2	32	4.54	1830	<100	286
8011 Mag	<24	<24	<60	0.70	<0.5	540	<20	<5	0.57	<5	<10	720	<10	>25	<0.01	0.30	1150	<10	0.29	40	<100	<2	23	1.75	1420	<100	168
8012 Mag	<6	<6	<15	0.80	<0.5	420	<20	<5	0.51	<5	<10	840	<10	>25	<0.01	0.28	1060	<10	0.31	39	<100	<2	27	1.24	1340	<100	150
8013 Mag	<6	<6	<15	0.80	<0.5	590	<20	<5	0.36	<5	<10	760	<10	>25	<0.01	0.21	900	<10	0.41	41	<100	<2	22	0.94	1270	<100	126
80																											

Mags	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
8018 Mag	<24	<24	<60	0.80	<0.5	520	<20	<5	0.32	<5	<10	990	<10	>25	<0.01	0.22	900	<10	0.28	48	<100	<2	23	0.99	1230	<100	162
8019 Mag	nss	nss	nss	1.20	<0.5	780	<20	<5	0.82	<5	<10	1290	<10	>25	0.02	0.52	1210	<10	0.50	55	100	<2	47	1.94	1110	<100	164
8020 Mag	<12	<12	<30	0.60	<0.5	380	<20	<5	0.49	<5	<10	970	<10	>25	<0.01	0.25	1060	<10	0.20	47	100	<2	23	1.30	1260	<100	160
8021 Mag	<24	<24	<60	1.50	3.5	620	<20	<5	0.84	<5	40	1070	<10	>25	<0.01	0.73	2350	<10	0.41	127	100	6	50	5.45	2540	<100	596
8036 Mag	<12	<12	<30	0.60	<0.5	470	<20	<5	0.42	<5	<10	1240	<10	>25	<0.01	0.17	1040	<10	0.26	51	<100	<2	27	1.34	1200	<100	184
8037 Mag	70	<24	<60	1.00	<0.5	340	<20	<5	0.52	<5	<10	980	<10	>25	0.10	0.29	990	<10	0.27	56	<100	2	27	1.43	1050	<100	148
8038 Mag	48	<12	<30	1.30	<0.5	590	<20	<5	0.76	<5	<10	750	30	>25	0.09	0.47	940	<10	0.48	51	100	<2	41	1.15	960	<100	148
8039 Mag	<6	<60	<15	1.00	<0.5	510	<20	<5	0.64	<5	<10	880	<10	>25	<0.01	0.59	1580	<10	0.40	121	<100	<2	26	4.86	1910	<100	296
8040 Mag	<24	<24	<60	0.70	<0.5	570	<20	<5	0.69	<5	<10	920	<10	>25	<0.01	0.36	1700	<10	0.29	45	100	<2	30	2.42	1210	<100	212
8045 Mag	<6	<6	<15	0.60	<0.5	360	<20	<5	0.39	<5	<10	1020	<10	>25	<0.01	0.24	1090	<10	0.18	49	<100	<2	21	1.33	1170	<100	170
8046 Mag	<6	<6	<15	0.60	<0.5	400	<20	<5	0.56	<5	<10	950	<10	>25	<0.01	0.25	1330	<10	0.24	48	100	<2	27	1.74	1110	<100	152
8047 Mag	<60	<60	<15	1.00	<0.5	260	<20	<5	1.05	<5	<10	1610	<10	>25	<0.01	0.54	2590	<10	0.18	35	100	6	54	4.99	780	<100	170
8048 Mag	<4	<4	<10	0.70	<0.5	460	<20	<5	0.43	<5	<10	1040	<10	>25	<0.01	0.22	950	<10	0.27	49	<100	<2	27	1.15	1170	<100	150
8050 Mag	75	<60	<15	0.60	<0.5	440	<20	<5	0.52	<5	<10	1130	<10	>25	<0.01	0.28	1220	<10	0.26	57	<100	128	22	1.80	1230	<100	200
Location Map C:																											
696 Mag	<12	<12	<30	0.50	<0.5	290	<20	<5	0.50	<5	<10	1000	<10	>25	<0.01	0.22	1070	<10	0.14	51	<100	2	21	1.21	1200	<100	160

Mags	Depth	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
m																												
N.B. extreme W and Co anomalies are attributed to tungsten carbide bit contamination.																												
Hole D:																												
1016	1.0	<20	<20	<50	0.40	<0.5	270	<20	<5	0.26	<5	<10	1230	<10	>25	<0.01	0.12	770	<10	0.12	53	100	2	13	0.73	1370	<100	176
1017	2.0	<30	<30	<75	0.40	<0.5	360	<20	<5	0.26	<5	<10	1180	<10	>25	<0.01	0.11	730	<10	0.16	55	100	2	13	0.61	1320	<100	172
1018	3.0	<20	<20	<50	0.40	<0.5	390	<20	<5	0.24	<5	<10	1160	<10	>25	<0.01	0.11	770	<10	0.22	57	100	2	13	0.60	1310	100	168
1019	4.0	<20	<20	<50	0.40	<0.5	490	<20	<5	0.27	<5	<10	1170	<10	>25	<0.01	0.12	680	<10	0.21	52	100	2	15	0.57	1320	<100	164
1020	5.0	<30	<30	<75	0.40	<0.5	410	<20	<5	0.34	<5	<10	1020	<10	>25	<0.01	0.16	770	<10	0.22	50	100	2	15	0.73	1280	<100	186
1021	6.3	<30	<30	<75	0.50	<0.5	290	<20	<5	0.54	<5	<10	1100	<10	>25	<0.01	0.29	1100	<10	0.17	65	200	2	20	1.23	1230	<100	224
1022	7.5	<20	<20	<50	0.40	<0.5	340	<20	<5	0.45	<5	<10	1030	<10	>25	<0.01	0.24	1280	<10	0.16	69	200	2	19	0.97	1190	<100	148
1023	8.5	<20	<20	<50	0.40	<0.5	400	<20	<5	0.30	<5	<10	1230	<10	>25	<0.01	0.15	920	10	0.18	94	100	2	14	0.72	1250	<100	150
1024	9.5	<20	<20	<50	0.40	<0.5	260	<20	<5	0.27	<5	<10	1160	<10	>25	<0.01	0.14	870	<10	0.13	87	100	2	13	0.76	1290	<100	154
1025	10.8	<20	<20	<50	0.50	<0.5	390	<20	<5	0.53	<5	<10	1200	<10	>25	<0.01	0.26	1300	30	0.20	138	200	2	18	1.18	1210	100	180
1026	12.0	<20	<20	<50	0.50	<0.5	320	<20	<5	0.50	<5	<10	1010	30	>25	<0.01	0.25	1140	<10	0.20	157	100	2	18	1.03	1130	<100	176
1027	13.0	<20	<20	<50	0.50	<0.5	420	<20	<5	0.46	<5	<10	1070	10	>25	<0.01	0.22	1230	<10	0.24	113	100	2	19	1.02	1200	<100	172
1028	14.0	<24	<24	<60	0.50	<0.5	470	<20	<5	0.41	<5	<10	1080	<10	>25	<0.01	0.19	1170	20	0.23	103	100	2	18	0.95	1210	<100	180
1029	15.0	<20	<20	<50	0.50	<0.5	350	<20	<5	0.48	<5	<10	980	<10	>25	<0.01	0.24	1140	<10	0.17	80	100	2	19	1.10	1200	<100	186
1030	16.0	<12	<12	<30	0.50	<0.5	390	<20	<5	0.48	<5	<10	1020	<10	>25	<0.01	0.23	1190	10	0.19	87	100	2	20	1.10	1200	<100	180
1031	17.0	<20	<20	<50	0.40	<0.5	390	<20	<5	0.36	<5	<10	1120	<10	>25	<0.01	0.17	1050	<10	0.30	82	300	2	16	0.95	1250	<100	180
1032	18.0	<20	<20	<50	0.40	<0.5	290	<20	<5	0.35	<5	<10	1010	<10	>25	<0.01	0.16	890	<10	0.16	87	100	2	15	0.63	1160	<100	152
1033	19.0	<20	<20	<50	0.40	<0.5	340	<20	<5	0.36	<5	<10	1150	<10	>25	<0.01	0.17	1020	<10	0.17	94	100	2	15	0.78	1230	<100	172
1034	20.0	<12	<12	<30	0.40	<0.5	390	<20	<5	0.33	<5	<10	1130	<10	>25	<0.01	0.16	900	<10	0.18	68	100	2	16	0.77	1220	<100	160
1035	21.0	<12	<12	<30	0.40	<0.5	370	<20	<5	0.33	<5	<10	1160	<10	>25	<0.01	0.16	920	<10	0.20	70	100	2	16	0.73	1250	<100	154
1036	22.0	<12	<12	<30	0.40	<0.5	400	<20	<5	0.29	<5	<10	1210	<10	>25	<0.01	0.14	840	<10	0.21	79	100	2	16	0.72	1250	<100	152
1037	23.0	<20	<20	<50	0.40	<0.5	400	<20	<5	0.30	<5	<10	1190	<10	>25	<0.01	0.14	830	<10	0.22	76	100	2	15	0.73	1290	<100	170
1038	24.0	<20	<20	<50	0.50	<0.5	680	<20	<5	0.29	<5	<10	1170	<10	>25	<0.01	0.13	770	<10	0.38	69	100	2	19	0.66	1270	<100	156
1039	25.0	<20	<20	<50	0.40	<0.5	370	<20	<5	0.27	<5	<10	1130	<10	>25	<0.01	0.11	800	<10	0.19	63	100	2	13	0.84	1270	<100	172
1040	26.0	<20	<20	<50	0.40	<0.5	390	<20	<5	0.30	<5	<10	1170	<10	>25	<0.01	0.13	860	<10	0.17	65	100	2	15	0.94	1350	<100	176
1041	27.0	<12	<12	<30	0.50	<0.5	380	<20	<5	0.51	<5	<10	1060	<10	>25	<0.01	0.25	1200	<10	0.20	65	100	2	27	1.18	1220	<100	168
1042	28.0	<12	<12	<30	0.50	<0.5	350	<20	<5	0.47	<5	10	1270	<10	>25	<0.01	0.21	1160	30	0.18	94	100	2	22	1.06	1210	400	184
1043	29.0	12	<6	<15	0.80	<0.5	460	<20	<5	0.79	<5	400	1570	60	>25	<0.01	0.41	1840	120	0.32	181	300	2	33	1.66	1230	5100	182
1044	30.0	<12	<12	<30	1.00	<0.5	570	20	<5	0.73	10	6030	1080	<10	>25	<0.01	0.41	1210	10	0.34	118	700	2	25	2.15	1360	>10000	224
1045	31.0	<12	<12	<30	0.50	<0.5	440	<20	<5	0.48	<5	380	1230	<10	>25	<0.01	0.23	1310	<10	0.21	66	200	2	19	1.19	1290	5500	178
1046	32.0	<20	<20	<50	0.50	<0.5	450	<20	<5	0.53	<5	<10	1410	<10	>25	<0.01	0.27	1400	<10	0.26	71	100	2	20	1.26	1330	500	200
1047	35.5	<12	<12	<30	0.50	<0.5	510	<20	<5	0.47	<5	<10	1260	<10	>25	<0.01	0.22	1100	<10	0.25	67	100	2	21	1.10	1260	<100	174
1048	39.0	<20	<20	<50	0.50	<0.5	530	<20	<5	0.48	<5	<10	1220	<10	>25	<0.01	0.23	1250	<10	0.27	64	100	2	20	1.07	1320	300	154
1049	43.5	<20	<20	<50	0.90	<0.5	480	<20	<5	1.36	<5	790	1820	170	>25	0.01	0.74	2500	120	0.30	208	700	2	88	2.75	1020	10000	364
1050	45.0	<20	<20	<50	0.60	<0.5	510	<20	<5	0.51	<5	760	2390	180	>25	<0.01	0.22	2170	280	0.28	289	300	2	23	1.14	1070	9600	194
1051	46.0	<24	<24	<60	0.40	<0.5	350	<20	<5	0.36	<5	<10	1450	<10	>25	<0.01	0.16	1170	10	0.16	91	100	2	16	1.34	1380	100	216
1052	47.0	<20	<20	<50	0.40	<0.5	350	<20	<5	0.35	<5	<10	1200	<10	>25	<0.01	0.17	1160	<10	0.17	62	<100	2	15	1.40	1350	100	186
1053	48.0	<60	<60	<15	0.40	<0.5	360	<20	<5	0.33	<5	<10	1500	<10	>25	<0.01	0.15	940	10	0.17	78	<100	2	16	1.05	1370	<100	192
1054	49.0	<60	<60	<15	0.20	<0.5	20	<20	<5	0.36	<5	<10	1400	<10	>25	<0.01	0.18	1060	<10	<0.01	98	<100	<2	10	1.06	1361	<100	172
1055	50.0	<60	<60	<15	0.20	<0.5	20	<20	<5	0.34	<5	<10	1500	<10	>25	<0.01	0.14	1000	<10	<0.01	110	<100	<2	10	1.02	1460	<100	180
1056	51.0	<60	<60	<15	0.40	<0.5	530	<20	<5	0.38	<																	

Mags	Depth	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
	m																											
N.B. extreme W and Co anomalies are attributed to tungsten carbide bit contamination.																												
Hole E:																												
1062	0.5	<6	<6	<15	0.40	<0.5	240	<20	<5	0.31	<5	<10	1120	<10	>25	<0.01	0.16	850	<10	0.11	51	100	2	13	0.82	1210	<100	148
1063	2.0	<6	<6	<15	0.30	<0.5	170	<20	<5	0.31	<5	<10	1100	<10	>25	<0.01	0.16	960	10	0.08	61	100	2	13	0.86	1220	<100	152
1064	5.3	<6	<6	<15	0.40	<0.5	180	<20	<5	0.39	<5	<10	1120	<10	>25	<0.01	0.18	1040	10	0.09	56	100	2	15	1.00	1210	<100	164
1065	6.8	<8	<8	<20	0.20	<0.5	10	<20	<5	0.40	<5	<10	1020	<10	>25	<0.01	0.24	1460	<10	0.02	78	<100	<2	12	1.06	1260	<100	148
1066	8.0	24	<12	<30	0.40	<0.5	430	<20	<5	0.42	<5	<10	1160	<10	>25	<0.01	0.21	1230	<10	0.19	82	100	2	18	1.19	1290	<100	170
1067	9.0	<20	<20	<50	0.40	<0.5	410	<20	<5	0.44	<5	<10	1060	<10	>25	<0.01	0.22	1320	<10	0.19	74	100	2	20	1.15	1250	<100	168
1068	10.0	<20	<20	<50	0.50	<0.5	410	<20	<5	0.48	<5	<10	1130	<10	>25	<0.01	0.25	1250	<10	0.18	87	100	2	19	1.20	1290	100	166
1069	11.0	<12	<12	<30	0.50	<0.5	380	<20	<5	0.53	<5	<10	1230	10	>25	<0.01	0.24	1460	60	0.21	116	100	2	23	0.92	1180	200	176
1070	12.0	<12	<12	<30	0.50	<0.5	400	<20	<5	0.55	<5	<10	1210	<10	>25	<0.01	0.26	1360	30	0.21	97	100	2	26	1.07	1230	<100	166
1071	13.0	<12	<12	<30	0.50	<0.5	560	<20	<5	0.55	<5	<10	1040	<10	>25	<0.01	0.28	1390	<10	0.30	93	100	2	23	1.13	1200	<100	148
1072	14.0	<20	<20	<50	0.50	<0.5	490	<20	<5	0.51	<5	<10	1280	20	>25	<0.01	0.26	1490	50	0.23	157	100	2	22	1.14	1200	<100	152
1073	15.0	<20	<20	<50	0.50	<0.5	500	<20	<5	0.57	<5	<10	1190	10	>25	<0.01	0.26	1460	30	0.27	163	100	2	24	1.11	1170	<100	152
1074	16.0	<12	<12	<30	0.60	<0.5	940	<20	<5	0.62	<5	<10	1530	50	>25	<0.01	0.27	1740	120	0.43	141	200	2	36	1.09	1090	<100	130
1075	17.0	<12	<12	<30	0.60	<0.5	620	<20	<5	0.63	<5	<10	1130	20	>25	<0.01	0.30	1590	30	0.29	104	200	2	27	1.49	1160	<100	154
1076	19.0	<12	<12	<30	0.50	<0.5	360	<20	<5	0.60	<5	10	1240	<10	>25	<0.01	0.29	1420	40	0.18	105	200	2	26	1.19	1180	600	160
1077	20.0	<12	<12	<30	0.50	<0.5	470	<20	<5	0.48	10	4710	990	<10	>25	<0.01	0.22	1230	10	0.23	87	700	2	23	0.96	1060	>10000	156
1078	21.0	<8	<8	<20	0.50	<0.5	460	20	<5	0.52	10	6350	1160	30	>25	<0.01	0.22	1400	70	0.24	140	600	2	24	0.78	910	>10000	124
1079	22.0	<20	<20	<50	0.60	<0.5	420	<20	<5	0.81	<5	650	1070	10	>25	<0.01	0.44	1950	40	0.22	98	400	2	29	1.20	1070	9800	146
1080	23.0	<12	<12	<30	0.50	<0.5	320	<20	<5	0.54	<5	120	1170	<10	>25	<0.01	0.26	1420	20	0.17	108	200	2	21	1.15	1180	2200	152
1081	24.0	<24	<24	<60	0.50	<0.5	410	<20	<5	0.53	<5	70	1100	<10	>25	<0.01	0.30	1660	<10	0.21	92	200	2	23	1.08	1210	1600	156
1082	25.0	<20	<20	<50	0.60	<0.5	390	<20	<5	0.65	<5	10	1660	30	>25	<0.01	0.31	1730	120	0.21	155	200	2	26	1.15	1190	400	150
1083	26.0	<12	<12	<30	0.50	<0.5	520	<20	<5	0.57	<5	<10	1200	10	>25	<0.01	0.29	1560	20	0.24	111	100	2	25	1.15	1190	200	148
1084	27.0	<12	<12	<30	0.50	<0.5	400	<20	<5	0.48	<5	10	1240	<10	>25	<0.01	0.24	1370	50	0.22	99	200	2	21	0.84	1090	500	142
1085	28.0	<12	<12	<30	0.50	<0.5	460	<20	<5	0.43	<5	<10	1250	<10	>25	<0.01	0.22	1270	<10	0.23	71	200	2	19	0.97	1300	300	158
1086	29.0	<20	<20	<50	0.40	<0.5	290	<20	<5	0.46	<5	40	1160	<10	>25	<0.01	0.23	1230	<10	0.16	66	100	2	19	1.00	1260	1300	148
1087	30.0	<12	<12	<30	0.40	<0.5	190	<20	<5	0.42	<5	<10	1160	<10	>25	<0.01	0.22	1150	10	0.13	73	100	2	18	0.95	1250	<100	152
1088	31.0	<20	<20	<50	0.40	<0.5	200	<20	<5	0.37	<5	150	1220	<10	>25	<0.01	0.19	1040	10	0.13	73	200	2	16	0.87	1240	2700	146
1089	32.0	24	<24	<60	0.40	<0.5	20	<20	<5	0.42	<5	<10	1400	<10	>25	<0.01	0.20	1160	20	0.01	106	<100	<2	14	0.72	1140	<100	136
1090	33.0	<20	<20	<50	0.40	<0.5	200	<20	<5	0.40	<5	<10	1510	<10	>25	<0.01	0.20	1180	50	0.14	82	100	2	18	0.79	1240	<100	142
1091	34.0	<20	<20	<50	0.40	<0.5	350	<20	<5	0.40	<5	560	1320	<10	>25	<0.01	0.22	1270	20	0.19	107	300	2	18	0.87	1220	8000	148
1092	35.0	<20	<20	<50	0.50	<0.5	400	<20	<5	0.48	<5	<10	1400	<10	>25	<0.01	0.24	1260	20	0.22	141	100	2	23	1.31	1280	400	200
1093	36.0	<20	<20	<50	0.50	<0.5	320	<20	<5	0.46	<5	<10	1310	<10	>25	<0.01	0.23	1250	10	0.23	97	100	2	20	1.43	1280	200	180
1094	37.5	20	<20	<50	0.50	<0.5	320	<20	<5	0.46	5	3050	1170	<10	>25	<0.01	0.22	1120	20	0.24	102	600	2	20	1.09	1090	>10000	184
1095	38.5	<20	<20	<50	0.50	<0.5	330	<20	<5	0.36	<5	1660	1240	110	>25	<0.01	0.15	910	20	0.24	116	500	2	17	0.88	1120	>10000	156
1096	39.5	20	<20	<50	0.50	<0.5	220	<20	<5	0.43	<5	220	1440	<10	>25	<0.01	0.19	1170	20	0.19	140	200	2	18	1.22	1230	3800	180
1097	43.5	24	<24	<60	0.70	<0.5	200	<20	<5	0.67	<5	1390	1370	90	>25	<0.01	0.32	1700	60	0.22	205	400	2	23	1.76	940	>10000	280
1098	44.5	60	<60	<15	0.60	<0.5	290	<20	<5	0.48	<5	1490	1460	30	>25	<0.01	0.24	1240	30	0.25	138	500	<2	21	1.65	1030	>10000	326
1099	46.3	40	<24	<60	0.90	<0.5	270	<20	<5	0.76	<5	660	1900	170	>25	<0.01	0.40	1790	200	0.37	214	400	<2	42	1.28	680	9900	248
1100	48.5	30	190	<30	0.30	<0.5	190	20	<5	0.22	25	>10000	1990	160	19.90	<0.01	0.13	1540	300	0.15	351	300	<2	11	0.21	90	>10000	74

Mags	Depth m	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
N.B. extreme W and Co anomalies are attributed to tungsten carbide bit contamination.																												
Hole 1:																												
1147	0.5	48	<24	<60	0.60	<0.5	320	<20	<5	0.70	<5	<10	1020	<10	>25	<0.01	0.35	1300	<10	0.23	65	200	<2	25	1.61	1210	300	176
1148	1.5	18	<12	<30	0.50	<0.5	310	<20	<5	0.50	<5	<10	1010	<10	>25	<0.01	0.24	1100	<10	0.18	53	100	<2	22	1.33	1180	<100	166
1149	2.5	30	<24	<60	0.60	<0.5	370	<20	<5	0.63	<5	<10	990	<10	>25	<0.01	0.27	1130	<10	0.22	57	200	<2	26	1.37	1170	100	160
1150	3.5	<24	<24	<60	0.50	<0.5	440	<20	<5	0.42	<5	<10	1180	<10	>25	<0.01	0.20	1050	<10	0.32	57	100	<2	20	1.23	1310	<100	176
1151	4.5	24	<24	<60	0.60	<0.5	390	<20	<5	0.55	<5	<10	1110	<10	>25	<0.01	0.29	1400	<10	0.25	94	100	<2	27	1.54	1230	<100	170
1152	5.5	<12	<12	<30	0.50	<0.5	380	<20	<5	0.51	<5	<10	1100	<10	>25	<0.01	0.28	1310	<10	0.21	79	100	<2	22	1.14	1210	200	164
1153	6.5	78	<12	<30	0.60	<0.5	330	<20	<5	0.65	<5	<10	1110	10	>25	<0.01	0.34	1510	20	0.28	91	100	<2	31	1.25	1160	100	150
1154	7.5	<24	<24	<60	0.50	<0.5	340	<20	<5	0.41	<5	420	1060	<10	>25	<0.01	0.20	1100	10	0.25	71	200	<2	20	0.94	1190	6600	160
1155	8.5	<12	<12	<30	0.50	<0.5	260	<20	<5	0.57	<5	<10	940	<10	>25	<0.01	0.30	1390	10	0.21	73	100	<2	23	1.31	1150	<100	156
1156	9.5	120	<24	<60	0.50	<0.5	280	<20	<5	0.51	<5	<10	1030	<10	>25	<0.01	0.27	1230	<10	0.18	70	100	<2	23	1.22	1200	<100	170
1157	10.5	<60	<60	<15	0.50	<0.5	290	<20	<5	0.56	<5	<10	1120	<10	>25	<0.01	0.30	1400	<10	0.20	82	100	<2	24	1.37	1220	<100	162
1158	11.5	84	<24	<60	0.60	<0.5	350	<20	<5	0.65	<5	<10	1140	<10	>25	<0.01	0.33	1480	<10	0.29	81	100	<2	32	1.50	1210	<100	154
1159	12.5	<24	<24	<60	0.60	<0.5	530	<20	<5	0.63	<5	<10	1080	<10	>25	<0.01	0.32	1390	<10	0.31	81	100	<2	30	1.46	1240	<100	170
1160	13.5	64	<12	<30	0.60	<0.5	370	<20	<5	0.61	<5	<10	1050	<10	>25	<0.01	0.33	1420	<10	0.27	73	100	<2	27	1.63	1260	<100	180
1161	14.5	60	<60	<15	0.40	<0.5	330	<20	<5	0.31	<5	<10	1420	<10	>25	<0.01	0.15	840	10	0.23	80	<100	<2	15	0.82	1310	<100	156
1162	15.5	24	<24	<60	0.50	<0.5	330	<20	<5	0.47	<5	<10	1210	<10	>25	<0.01	0.24	1220	10	0.20	127	100	<2	20	1.03	1250	400	144
1163	16.5	48	<24	<60	0.50	<0.5	250	<20	<5	0.52	<5	<10	1050	10	>25	<0.01	0.28	1350	<10	0.18	107	100	<2	21	1.10	1170	<100	150
1164	17.5	<24	<24	<60	0.60	<0.5	370	<20	<5	0.62	<5	<10	1100	10	>25	<0.01	0.35	1680	<10	0.22	121	200	<2	23	1.17	1210	<100	164
1165	18.5	<24	<24	<60	0.60	<0.5	320	<20	<5	0.60	<5	<10	1050	20	>25	<0.01	0.31	1700	<10	0.21	124	100	<2	22	1.26	1190	<100	156
1166	19.5	<24	<24	<60	0.60	<0.5	500	<20	<5	0.62	<5	<10	1050	20	>25	<0.01	0.32	1360	<10	0.30	107	100	<2	30	1.22	1210	<100	160
1167	20.5	<24	<24	<60	0.50	<0.5	400	<20	<5	0.53	<5	<10	1110	10	>25	<0.01	0.26	1240	<10	0.28	105	100	<2	22	1.21	1250	400	166
1168	21.5	<24	<24	<60	0.60	<0.5	420	<20	<5	0.58	<5	<10	1080	<10	>25	<0.01	0.28	1390	<10	0.26	90	200	<2	29	1.19	1220	<100	166
1169	22.5	<24	<24	<60	0.60	<0.5	280	<20	<5	0.61	<5	<10	1030	<10	>25	<0.01	0.32	1460	<10	0.23	90	200	<2	27	1.33	1210	<100	172
1170	23.5	<24	<24	<60	0.60	<0.5	360	<20	<5	0.50	<5	<10	1120	<10	>25	<0.01	0.24	1190	<10	0.21	90	100	<2	27	1.11	1230	100	160
1171	24.5	<24	<24	<60	0.50	<0.5	400	<20	<5	0.46	<5	<10	1070	<10	>25	<0.01	0.23	1200	<10	0.24	94	100	<2	21	1.05	1240	<100	168
1172	25.5	<24	<24	<60	0.50	<0.5	240	<20	<5	0.48	<5	<10	1040	<10	>25	<0.01	0.24	1280	<10	0.20	86	100	<2	24	1.08	1190	<100	156
1173	26.5	<24	<24	<60	0.50	<0.5	340	<20	<5	0.41	<5	<10	1140	<10	>25	<0.01	0.21	1100	<10	0.24	94	100	<2	20	0.98	1230	<100	140
1174	27.5	<24	<24	<60	0.50	<0.5	260	<20	<5	0.53	<5	<10	1090	<10	>25	<0.01	0.30	1610	<10	0.17	88	200	<2	24	1.03	1180	<100	152
1175	28.5	<24	<24	<60	0.50	<0.5	330	<20	<5	0.51	<5	<10	1150	<10	>25	<0.01	0.28	1390	<10	0.20	89	200	<2	24	1.06	1210	<100	156
1176	29.5	<24	<24	<60	0.50	<0.5	420	<20	<5	0.47	<5	<10	1170	<10	>25	<0.01	0.25	1320	<10	0.23	77	100	<2	25	0.97	1250	<100	150
1177	30.5	<24	<24	<60	0.50	<0.5	370	<20	<5	0.48	<5	<10	1170	<10	>25	<0.01	0.24	1330	<10	0.23	76	200	<2	26	0.91	1240	<100	148
1178	31.5	<24	<24	<60	0.70	<0.5	360	<20	<5	0.59	<5	<10	1100	<10	>25	<0.01	0.31	1590	<10	0.22	74	200	<2	40	1.11	1190	100	156
1179	33.0	<24	<24	<60	0.60	<0.5	390	<20	<5	0.54	<5	<10	1260	<10	>25	<0.01	0.29	1420	20	0.23	84	100	<2	29	1.10	1210	<100	154
1180	36.5	<12	<12	<30	1.10	<0.5	260	<20	<5	0.67	<5	<10	380	<10	>25	0.07	0.48	1640	20	0.34	141	200	<2	34	0.89	690	300	126
1181	37.5	<12	<12	<30	1.00	<0.5	380	<20	<5	0.68	<5	<10	450	<10	>25	0.06	0.40	1280	<10	0.36	107	200	<2	33	1.94	870	100	186
1182	40.0	30	<12	<30	0.90	<0.5	400	<20	<5	0.54	<5	<10	850	<10	>25	0.03	0.31	1000	<10	0.34	70	200	<2	34	1.53	990	<100	180
1183	41.0	<12	<12	<30	1.00	<0.5	500	<20	<5	0.77	<5	<10	740	40	>25	0.07	0.42	1170	<10	0.38	67	200	<2	40	1.97	960	<100	170
1184	42.0	<12	<12	<30	0.80	<0.5	410	<20	<5	0.48	<5	<10	780	<10	>25	0.02	0.27	900	<10	0.29	63	200	<2	28	1.30	910	<100	154
1185	43.0	18	<12	<30	0.80	<0.5	500	<20	<5	0.52	<5	<10	1130	50	>25	0.01	0.29	1040	90	0.32	148	200	<2	31	1.07	830	<100	152
1186	44.0	36	<24	<60	0.50	<0.5	420	<20	<5	0.36	<5	<10	1590	150	>25	<0.01	0.17	930	80	0.21	181	100	<2	21	0.77	960	100	154
1187	45.0	<24	<24	<60	0.40	<0.5	360	<20	<5	0.31	<5	<10	1730	200	>25	<0.01	0.15	820	<10	0.23	88	<100	<2	19	1.02	1380	<100	210
1188	46.0	<24	<24	<60	0.40	<0.5	350	<20	<5	0.23	<5	<10	1750	80	>25	<0.01	0.12	680	<10	0.17	99	<100	<2	14	0.70	1400	<100	192

Mags	Depth	Au	Pd	Pt	Al	Ag	Ba	Bi	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	W	Zn
	m																											
N.B. extreme W and Co anomalies are attributed to tungsten carbide bit contamination.																												
Hole K:																												
1224	1.0	<12	<12	<30	0.60	<0.5	300	<20	<5	0.51	<5	<10	1070	<10	>25	<0.01	0.26	1040	<10	0.19	57	200	<2	30	1.01	1150	<100	156
1225	2.0	<12	<12	<30	0.60	<0.5	290	<20	<5	0.56	<5	<10	1290	<10	>25	<0.01	0.27	1170	20	0.21	80	100	<2	30	1.23	1190	<100	168
1226	3.0	<24	<24	<60	0.70	<0.5	210	<20	<5	0.80	<5	<10	1290	<10	>25	<0.01	0.39	1130	<10	0.22	84	200	<2	36	1.16	1190	<100	168
1227	4.0	<12	<12	<30	0.50	<0.5	210	<20	<5	0.45	<5	<10	1220	<10	>25	<0.01	0.23	1160	10	0.19	87	100	<2	23	1.00	1210	<100	154
1228	5.0	<12	<12	<30	0.60	<0.5	330	<20	<5	0.48	<5	<10	1080	<10	>25	<0.01	0.30	1390	<10	0.19	82	100	<2	25	0.99	1130	<100	164
1229	6.0	<12	<12	<30	0.60	<0.5	340	<20	<5	0.51	<5	<10	1260	<10	>25	<0.01	0.29	1310	<10	0.19	109	100	<2	27	1.09	1170	<100	158
1230	7.0	<24	<24	<60	0.50	<0.5	290	<20	<5	0.34	<5	<10	1360	20	>25	<0.01	0.17	1010	<10	0.21	110	100	<2	19	0.92	1210	<100	156
1231	8.0	<24	<24	<60	0.60	<0.5	500	<20	<5	0.50	<5	<10	4540	10	>25	<0.01	0.27	1390	<10	0.26	95	100	<2	24	1.29	1120	<100	392
1232	9.0	<24	<24	<60	0.50	<0.5	360	<20	<5	0.43	<5	<10	1500	20	>25	<0.01	0.23	1320	30	0.26	103	200	<2	22	1.16	1140	<100	340
1233	10.0	<24	<24	<60	0.60	<0.5	430	<20	<5	0.50	<5	<10	1530	50	>25	<0.01	0.26	1330	70	0.31	123	200	<2	28	1.02	1070	100	456
1234	11.0	<60	<60	<15	0.60	<0.5	400	<20	<5	0.48	<5	<10	1310	<10	>25	<0.01	0.24	1200	30	0.25	96	200	<2	28	1.03	1100	<100	172
1235	12.0	<24	<24	<60	0.50	<0.5	300	<20	<5	0.39	<5	<10	1250	20	>25	<0.01	0.21	1140	10	0.21	89	100	<2	20	0.93	1160	<100	170
1236	13.0	<24	<24	<60	0.60	<0.5	310	<20	<5	0.48	<5	<10	1200	<10	>25	<0.01	0.27	1230	<10	0.23	88	200	<2	24	1.13	1140	<100	172
1237	14.0	<24	<24	<60	0.50	<0.5	340	<20	<5	0.44	<5	<10	1480	20	>25	<0.01	0.23	1180	40	0.21	112	200	<2	23	1.11	1160	<100	214
1238	15.0	<60	<60	<15	0.60	<0.5	420	<20	<5	0.48	<5	<10	1430	<10	>25	<0.01	0.22	1210	20	0.24	92	200	<2	26	1.72	1150	<100	190
1239	16.5	<12	<12	<30	1.00	<0.5	660	<20	<5	0.94	<5	<10	870	<10	>25	<0.01	0.39	1450	<10	0.40	96	100	<2	47	3.08	1260	<100	200
Hole N:																												
1289	0.5	<24	<24	<60	0.50	<0.5	390	<20	<5	0.54	<5	<10	1030	<10	>25	<0.01	0.28	1180	<10	0.24	48	200	<2	28	1.34	1130	<100	160
1290	1.5	<24	<24	<60	0.60	<0.5	430	<20	<5	0.54	<5	<10	1070	<10	>25	<0.01	0.29	1270	<10	0.26	54	100	<2	26	1.41	1200	<100	154
1291	2.5	<24	<24	<60	0.50	<0.5	320	<20	<5	0.50	<5	<10	1160	<10	>25	<0.01	0.24	1120	<10	0.22	49	100	<2	23	1.33	1210	<100	156
1292	3.5	<24	<24	<60	0.50	<0.5	480	<20	<5	0.49	<5	<10	1170	<10	>25	<0.01	0.25	1110	<10	0.24	54	100	<2	27	1.32	1240	100	150
1293	4.5	<24	<24	<60	0.50	<0.5	330	<20	<5	0.54	<5	<10	1060	<10	>25	<0.01	0.32	1590	<10	0.20	72	100	<2	25	1.34	1130	<100	146
1294	5.5	<24	<24	<60	0.50	<0.5	280	<20	<5	0.50	<5	<10	1310	<10	>25	<0.01	0.27	1450	50	0.22	95	100	<2	26	1.26	1150	<100	144
1295	6.5	<24	<24	<60	0.50	<0.5	300	<20	<5	0.59	<5	<10	990	<10	>25	<0.01	0.35	1850	<10	0.17	83	200	<2	26	1.24	1110	<100	128
1296	7.5	<24	<24	<60	0.60	<0.5	270	<20	<5	0.62	<5	<10	990	<10	>25	<0.01	0.38	1730	<10	0.19	61	200	<2	33	1.42	1080	<100	140
1297	8.5	<24	<24	<60	0.70	<0.5	400	<20	<5	0.72	<5	<10	970	<10	>25	<0.01	0.42	2070	<10	0.24	72	200	<2	43	1.56	1070	<100	136
1298	9.5	<12	<12	<30	0.70	<0.5	710	<20	<5	0.60	<5	<10	1300	10	>25	<0.01	0.30	1540	80	0.40	95	100	<2	35	1.03	1050	<100	114
1299	10.5	<24	<24	<60	0.50	<0.5	480	<20	<5	0.41	<5	<10	1010	<10	>25	<0.01	0.22	1270	<10	0.29	46	100	<2	26	1.05	1110	<100	134
1300	11.5	<12	<12	<30	0.50	<0.5	360	<20	<5	0.46	<5	<10	900	<10	>25	<0.01	0.25	1310	<10	0.22	46	200	<2	25	0.97	1110	<100	140
1301	12.5	<12	<12	<30	1.70	<0.5	320	<20	<5	0.45	<5	<10	630	<10	>25	0.15	0.65	510	<10	0.46	39	400	<2	63	0.51	420	<100	76
1302	13.5	<60	<60	<15	1.60	<0.5	390	<20	<5	0.36	<5	1270	700	20	>25	0.16	0.59	520	30	0.50	44	600	<2	59	0.44	410	>10000	80

Appendix 14

**Geochemical Analysis
of Bedrock from Overburden Drill Holes**

Geochemical analysis of 1.5 m long, 8 cm wide bedrock core from sonic drillholes.
 Three samples represent range of depth & degree of sulphide mineralization.
 Trace elements: nitric/aqua regia partial leach, ICP; precious metals: fire assay/AFS.

Bedrock		Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
Number:		61	43	43	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Minimum:		<2	<2	<5	0.45	<0.2	<5	10	<2	0.48	<0.5	7	8	11	2.20	0.06	<10	0.57	259	0.01	7	250	<2	<5	21	<0.01	8	<5	16
Mean:		17	<2	<5	2.07	0.4	19	93	<2	1.91	<0.5	21	102	47	4.17	0.32	13	1.56	538	0.07	61	557	11	<5	100	0.09	51	5	61
Maximum:		390	4	10	5.04	18	105	280	<2	5.38	0.5	42	260	142	11.58	1.23	30	2.74	1191	0.25	169	1050	40	15	462	0.35	209	15	179
Detection		2	2	5	0.01	0.2	5	10	2	0.01	0.5	1	1	1	0.01	0.01	10	0.01	1	0.01	1	10	2	5	1	0.01	1	5	2
Limit:		ppb	ppb	ppb	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Hole #																													
A	1	54	<2	10	2.36	1.0	15	250	<2	1.69	0.5	21	260	142	3.78	1.05	20	2.09	527	0.06	79	530	26	<5	40	0.22	74	10	179
A	2	36	2	<5	2.31	0.2	10	250	<2	1.60	<0.5	21	254	35	3.67	1.09	20	2.03	513	0.07	72	530	14	<5	39	0.21	73	5	66
A	3	32	<2	<5	2.04	0.2	15	120	<2	1.66	<0.5	16	209	53	3.74	0.45	20	1.91	482	0.08	68	520	32	<5	46	0.19	64	5	69
B	1	18	<2	<5	2.26	0.2	15	70	<2	1.54	<0.5	16	119	44	4.11	0.23	20	1.65	540	0.09	65	660	32	<5	93	0.17	40	5	73
B	2	12	<2	<5	2.18	0.2	10	80	<2	1.25	<0.5	18	108	42	3.88	0.24	20	1.54	489	0.11	63	670	40	<5	73	0.17	38	5	67
B	3	14	<2	<5	1.87	0.2	5	90	<2	3.00	<0.5	16	103	33	3.20	0.30	<10	1.21	579	0.08	52	520	36	<5	190	0.14	30	<5	55
C	1	10	<2	<5	2.74	0.2	5	20	<2	3.25	<0.5	26	238	47	4.35	0.08	<10	2.42	735	0.04	124	440	16	<5	159	0.26	68	10	62
C	2	12	<2	<5	2.69	0.2	<5	20	<2	2.36	<0.5	25	194	59	4.21	0.08	<10	2.50	688	0.05	116	420	8	<5	80	0.23	65	5	58
C	3	8	<2	<5	2.89	18.2	5	10	<2	3.38	<0.5	24	250	45	4.50	0.06	<10	2.74	767	0.04	109	450	16	5	116	0.23	74	15	63
D	1	18	<2	<5	1.59	0.2	5	70	<2	2.10	<0.5	15	34	35	3.19	0.29	10	0.75	383	0.04	39	320	4	<5	42	<0.01	10	5	23
D	2	20	<2	<5	1.59	0.2	10	70	<2	2.02	<0.5	14	31	35	3.23	0.33	20	0.68	346	0.03	37	280	36	<5	36	<0.01	10	5	22
D	3	6	<2	5	1.28	0.2	<5	90	<2	1.47	<0.5	9	22	23	2.20	0.38	10	0.72	359	0.06	26	250	6	<5	71	<0.01	11	<5	16
E	1	18	<2	10	0.60	0.2	35	70	<2	1.08	<0.5	16	20	34	3.72	0.22	30	0.90	428	0.07	35	270	10	<5	58	<0.01	10	<5	42
E	2	50	<2	<5	0.54	0.2	35	70	<2	1.54	<0.5	15	19	38	3.82	0.20	20	1.00	464	0.06	36	280	10	5	79	<0.01	8	5	49
E	3	10	<2	<5	0.70	0.2	20	80	<2	1.17	<0.5	13	20	28	3.08	0.27	10	0.82	393	0.09	32	250	6	<5	61	<0.01	10	5	28
F	1	8	<2	10	2.00	0.2	15	100	<2	1.13	<0.5	17	113	35	3.92	0.63	20	1.80	514	0.06	58	640	16	<5	63	0.08	43	<5	67
F	2	6	<2	<5	1.62	0.2	<5	110	<2	2.26	<0.5	17	105	42	3.30	0.71	10	1.32	490	0.05	55	600	12	<5	123	0.10	39	5	55
F	3	6	<2	<5	1.91	0.2	20	70	<2	1.97	<0.5	19	123	43	3.63	0.33	10	1.69	587	0.05	56	600	24	<5	143	0.04	44	10	60
G	1	8	2	5	2.31	0.2	10	80	<2	1.58	<0.5	23	77	36	3.93	0.28	20	1.62	548	0.03	74	560	18	<5	36	0.17	33	5	66
G	2	10	2	5	1.29	0.2	<5	50	<2	2.30	<0.5	14	34	26	2.42	0.17	<10	0.88	455	0.01	49	340	38	<5	76	0.09	14	<5	48
G	3	6	2	<5	2.69	0.2	<5	120	<2	0.48	<0.5	23	99	53	4.21	0.41	20	1.73	495	0.07	79	630	6	<5	21	0.24	51	<5	68
G	4	8	2	<5	2.57	0.2	10	100	<2	0.81	<0.5	25	100	83	4.43	0.33	20	1.71	527	0.09	80	630	22	<5	28	0.22	44	5	57
H	1	6	2	<5	1.82	0.2	20	70	<2	1.75	<0.5	19	95	49	3.69	0.28	10	1.55	524	0.06	77	580	8	<5	108	0.03	26	5	59
H	2	6	<2	<5	1.90	0.2	20	110	<2	2.27	<0.5	24	91	56	3.81	0.40	10	1.55	588	0.04	91	690	12	<5	154	0.03	25	5	69
H	3	6	<2	<5	1.50	0.2	15	110	<2	2.36	<0.5	17	80	39	2.81	0.38	10	1.22	645	0.08	65	520	8	<5	138	0.04	24	<5	41
I	1	8	2	5	2.74	0.2	40	110	<2	1.36	<0.5	30	105	65	4.35	0.39	10	1.93	513	0.05	125	520	<2	<5	80	0.01	45	5	70
I	2	12	4	<5	2.63	0.2	40	70	<2	1.72	<0.5	30	95	77	4.53	0.27	10	1.99	613	0.04	124	480	8	<5	100	0.01	40	5	77
I	3	6	4	<5	2.92	0.2	35	90	<2	2.94	<0.5	30	134	61	4.48	0.34	<10	2.22	777	0.02	127	480	2	<5	165	0.01	51	5	62
J	1	10	2	<5	1.84	0.2	<5	110	<2	0.85	<0.5	17	51	36	3.04	0.32	20	0.93	352	0.04	44	400	6	<5	84	<0.01	20	<5	45
J	2	6	<2	<5	2.12	0.2	<5	110	<2	0.65	<0.5	18	57	45	3.81	0.30	20	1.10	360	0.03	53	450	6	<5	69	<0.01	22	<5	52
J	3	10	2	10	1.58	0.2	<5	90	<2	2.03	<0.5	17	46	35	2.84	0.24	10	0.85	526	0.03	42	380	12	<5	209	<0.01	16	<5	40

Bedrock		Au	Pd	Pt	Al	Ag	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	La	Mg	Mn	Na	Ni	P	Pb	Sb	Sr	Ti	V	W	Zn
K	1	6	2	<5	2.68	0.2	10	230	<2	1.11	<0.5	24	138	71	4.36	0.90	20	1.97	748	0.06	69	710	8	<5	87	0.16	70	<5	62
K	2	6	2	<5	2.64	0.2	20	250	<2	1.08	<0.5	23	116	58	4.09	0.77	20	1.92	692	0.07	63	740	8	<5	138	0.23	68	<5	60
K	3	4	2	<5	2.57	0.2	<5	280	<2	1.96	<0.5	16	145	43	3.94	1.23	10	1.84	724	0.07	57	610	6	<5	120	0.18	66	5	59
L	1	2	<2	<5	2.06	0.2	10	70	<2	1.37	<0.5	7	52	21	3.22	0.30	20	1.07	436	0.05	39	410	6	<5	66	0.01	20	<5	48
L	2	12	<2	<5	5.04	0.2	30	40	<2	0.50	<0.5	20	94	26	11.58	0.18	10	2.57	749	0.01	52	1050	<2	<5	28	0.01	64	5	86
L	3	6	<2	<5	2.67	0.2	15	80	<2	0.90	<0.5	18	67	40	4.51	0.31	20	1.40	439	0.03	53	490	10	<5	45	<0.01	29	5	54
M	1	84	2	<5	2.38	0.2	105	50	<2	2.04	<0.5	15	67	78	6.75	0.13	10	1.76	781	0.02	44	450	12	<5	194	<0.01	41	10	82
M	2	52	<2	<5	1.43	0.2	55	50	<2	1.69	<0.5	14	38	66	4.56	0.12	10	1.16	576	0.07	35	400	10	<5	159	<0.01	23	5	57
M	3	390	4	5	1.95	0.2	65	70	<2	2.03	<0.5	23	80	47	4.96	0.16	10	1.61	790	0.04	57	360	8	<5	189	<0.01	44	5	63
N	1	6	<2	<5	1.66	<0.2	5	270	<2	3.33	<0.5	14	10	40	3.60	0.38	<10	0.76	349	0.19	11	650	<2	<5	285	0.04	22	10	21
N	2	8	<2	<5	1.94	<0.2	<5	210	<2	3.68	<0.5	16	9	83	4.46	0.32	<10	0.94	360	0.16	8	650	4	<5	315	0.03	25	15	27
N	3	6	<2	<5	1.42	<0.2	<5	200	<2	5.38	<0.5	15	8	14	3.38	0.35	<10	0.57	368	0.19	7	640	8	<5	462	0.03	17	10	18
O	1	nss			3.04	<0.2	75	40	<2	0.72	<0.5	42	143	61	5.22	0.15	20	2.43	466	0.01	169	590	12	15	50	<0.01	52	<5	77
O	2	4			2.52	<0.2	35	30	<2	5.37	<0.5	25	191	34	4.24	0.13	<10	1.97	1191	0.02	89	500	<2	<5	252	<0.01	40	5	76
O	3	4			3.03	<0.2	45	30	<2	2.55	<0.5	32	185	47	5.30	0.13	10	2.42	810	0.01	115	570	6	5	143	<0.01	48	<5	79
P	1	<2			1.90	<0.2	10	30	<2	1.39	<0.5	25	62	58	4.50	0.14	10	1.07	324	0.16	34	650	<2	<5	41	0.22	180	<5	55
P	2	<2			2.31	<0.2	10	40	<2	1.47	<0.5	28	53	88	4.55	0.16	10	1.36	334	0.21	32	640	2	5	39	0.26	200	<5	61
P	3	<2			2.19	<0.2	15	50	<2	1.50	<0.5	25	60	69	4.67	0.20	10	0.95	292	0.25	30	750	2	<5	40	0.26	203	<5	51
Q	1	<2			2.38	<0.2	15	30	<2	1.46	<0.5	29	44	81	4.65	0.13	10	1.35	331	0.13	34	690	4	5	33	0.35	174	<5	65
Q	2	2			2.51	<0.2	15	30	<2	1.45	<0.5	29	55	77	4.82	0.14	10	1.42	340	0.15	35	660	<2	5	34	0.35	181	<5	65
Q	3	<2			2.41	<0.2	5	20	<2	1.43	<0.5	29	53	68	4.78	0.11	10	1.16	259	0.25	33	690	6	5	45	0.23	209	<5	38
R	1	<2			2.27	<0.2	45	30	<2	1.90	<0.5	27	183	40	4.38	0.16	20	2.08	673	0.02	85	710	20	5	71	<0.01	31	5	90
R	2	2			2.46	<0.2	50	20	<2	1.50	<0.5	28	182	39	4.74	0.12	20	2.30	610	0.01	94	800	10	5	69	<0.01	34	<5	99
R	3	5			2.52	<0.2	65	10	<2	2.30	<0.5	32	121	45	4.70	0.06	10	2.14	517	0.01	108	860	28	5	89	<0.01	29	<5	98
S	1	<2			1.97	<0.2	5	120	<2	0.71	<0.5	15	88	11	5.05	0.66	30	1.31	378	0.01	48	700	<2	5	26	0.15	41	<5	65
S	2	<2			1.88	<0.2	<5	40	<2	2.55	<0.5	12	202	17	3.09	0.18	20	1.37	470	0.03	32	390	2	<5	46	0.10	22	5	58
S	3	3			1.96	<0.2	<5	90	<2	1.63	<0.5	14	130	19	3.28	0.49	30	1.37	438	0.03	37	440	6	5	44	0.14	27	<5	62
T	1	<2			0.69	<0.2	15	160	<2	2.62	<0.5	19	180	22	4.35	0.17	<10	1.83	719	0.12	42	710	8	<5	68	<0.01	14	<5	76
T	2	<2			0.52	<0.2	10	120	<2	2.97	<0.5	20	82	24	4.57	0.12	<10	2.00	778	0.08	45	1000	<2	<5	66	<0.01	14	<5	82
T	3	3			0.45	<0.2	5	150	<2	2.57	<0.5	17	96	26	4.12	0.11	<10	1.78	689	0.07	39	590	4	<5	59	<0.01	11	<5	73

nss: insufficient sample

Appendix 15

Detailed Geochemical Analysis of Till Samples

Location of samples:

62 : Location Map B	683 : Location Map A
96 : Location Map A	695 : Location Map A
98 : Location Map A	1060 : Hole D
284 : Location Map D	1061 : Hole D
285 : Location Map D	1099 : Hole E
607 : Location Map B	1100 : Hole E
608 : Location Map B	1178 : Hole I
609 : Location Map B	1179 : Hole I
610 : Location Map B	1180 : Hole I
617 : Location Map B	1181 : Hole I
621 : Location Map B	1182 : Hole I
630 : Location Map B	1183 : Hole I
635 : Location Map B	1184 : Hole I
637 : Location Map A	1185 : Hole I
640 : Location Map B	1232 : Hole K
641 : Location Map B	1239 : Hole K
649 : Location Map A	1301 : Hole N
653 : Location Map A	1302 : Hole N

Geochemical analysis of oxidized and unoxidized till fractions.
Trace elements: P = nitric/aqua regia partial leach, ICP.
T = perchloric-nitric-hydrofluoric total leach, ICP.

Gold: fire assay/NAA analyzed twice (in separate batches); Mag once.
Heavy mineral concentrate: direct irradiation/INAA.
* = >100um VG removed from HMC; ~100 ppm Cr from grinding >63um fractions.

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	AsicP ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
62 Ox	2-5.6mm	5	5	1.57	6.44	<0.2	<0.5	5	12	10	350	<2	4	4.97	5.64	<0.5	<0.5	13	15	92	126	25	28	3.15	3.76	<10	0.06	1.22
	250um-2mm	10	10	1.26	5.96	<0.2	<0.5	5	9	30	370	<2	<2	4.54	4.62	<0.5	<0.5	9	10	290	303	20	20	2.39	2.72	<10	0.11	1.21
	63-250um	12	12	0.63	5.47	<0.2	<0.5	10	6	20	430	<2	<2	2.53	3.15	<0.5	<0.5	5	7	146	176	13	13	1.33	1.64	<10	0.07	1.33
	<63um	65	71	0.76	5.14	<0.2	<0.5	10	10	30	530	<2	2	5.49	5.82	<0.5	<0.5	9	12	24	45	29	31	1.45	1.90	<10	0.07	1.56
	<2um	658	700	4.43	8.42	0.4	<0.5	40	36	130	560	2	<2	1.11	1.09	<0.5	<0.5	40	29	111	141	192	182	6.45	6.16	30	0.41	2.07
	<5.6mm	41	45	0.95	5.48	<0.2	<0.5	25	6	30	440	2	2	4.78	5.25	<0.5	<0.5	9	11	282	269	27	32	1.82	2.25	<10	0.12	1.42
	Table Lights	8	9	0.84	5.74	<0.2	<0.5	<5	10	20	400	2	2	3.23	4.21	<0.5	<0.5	6	7	138	176	16	17	1.63	2.00	<10	0.06	1.29
	MI Lights	4	4	1.10	5.40	<0.2	<0.5	<5	10	20	300	<2	<2	2.97	3.96	<0.5	<0.5	7	9	119	168	14	13	2.06	2.65	<10	0.06	0.98
	Mag	<12		0.80		<0.5					230		10		0.79		5.0		5		940		5		>25		<.01	
	HMC	150				<5			8	<100							<10		44		440				21			
96 Ox	2-5.6mm	37	47	1.59	7.51	<0.2	<0.5	<5	4	20	250	<2	4	1.68	3.14	<0.5	<0.5	11	12	72	85	41	46	2.60	3.20	<10	0.20	1.06
	250um-2mm	11	10	1.51	6.78	0.2	<0.5	<5	5	40	330	<2	<2	2.46	3.21	<0.5	<0.5	10	9	308	285	35	37	2.20	2.61	<10	0.23	1.18
	63-250um	9	3	0.43	5.39	<0.2	<0.5	<5	4	10	440	<2	<2	2.13	2.82	<0.5	<0.5	5	7	91	112	19	19	0.85	1.17	<10	0.05	1.34
	<63um	5	27	0.44	5.11	<0.2	<0.5	<5	4	10	490	<2	<2	4.96	5.47	<0.5	0.5	5	8	17	40	50	52	1.12	1.73	<10	0.04	1.48
	<2um	38	33	3.03	7.73	<0.2	<0.5	10	nss	80	510	8	4	3.11	3.54	1.0	1.5	43	39	94	120	510	545	4.91	5.48	20	0.36	2.06
	<5.6mm	11	19	0.79	5.74	<0.2	<0.5	5	5	20	400	2	2	2.97	3.97	<0.5	<0.5	9	10	218	160	38	45	1.43	1.90	<10	0.11	1.34
	Table Lights	5	6	0.86	5.70	<0.2	<0.5	<5	7	20	370	<2	2	2.32	3.15	<0.5	<0.5	7	7	178	203	28	26	1.41	1.65	<10	0.10	1.24
	MI Lights	20	18	1.05	5.19	<0.2	<0.5	5	7	20	220	<2	<2	2.94	4.88	<0.5	<0.5	6	10	123	199	25	19	2.17	3.95	<10	0.09	0.77
	Mag	78		0.50		<0.5					110		10		0.56		5.0		5		1180		5		>25		<.01	
	HMC	887				<5			4	<100							<10		39		770				23			
98 Ox	2-5.6mm	7	6	1.57	7.18	<0.2	<0.5	<5	4	30	330	<2	4	2.98	3.55	<0.5	<0.5	12	10	130	144	9	10	2.42	2.79	<10	0.12	1.07
	250um-2mm	14	5	1.25	6.81	<0.2	<0.5	<5	5	30	360	<2	2	3.85	4.49	<0.5	<0.5	9	10	247	218	12	14	1.92	2.52	<10	0.13	1.16
	63-250um	6	10	0.75	5.64	<0.2	<0.5	<5	5	20	400	<2	<2	3.05	3.73	<0.5	<0.5	7	8	277	249	16	17	1.34	1.72	<10	0.10	1.23
	<63um	26	37	0.75	5.39	<0.2	<0.5	<5	5	10	460	2	2	5.91	6.31	<0.5	<0.5	9	10	23	41	39	39	1.54	2.10	<10	0.05	1.30
	<2um	17	21	3.18	7.08	<0.2	<0.5	<5	11	90	450	2	4	7.77	7.00	1.0	1.0	27	23	74	87	221	210	4.31	4.43	<10	0.31	1.69
	<5.6mm	10	7	1.39	6.40	<0.2	<0.5	5	5	40	360	<2	2	4.05	4.53	<0.5	<0.5	9	11	358	258	26	28	2.12	2.49	<10	0.16	1.16
	Table Lights	7	3	0.91	5.99	<0.2	<0.5	<5	9	20	360	<2	4	3.36	4.33	<0.5	<0.5	8	7	168	211	13	13	1.50	1.89	<10	0.08	1.18
	MI Lights	69	44	0.84	5.25	<0.2	<0.5	<5	7	10	230	2	2	3.85	5.73	<0.5	<0.5	6	11	77	155	11	9	1.83	3.46	<10	0.05	0.79
	Mag	<2		0.50		<0.5					110		10		0.59		5.0		5		970		5		>25		<.01	
	HMC**	653				<5			10	160							<10		47		450				21			
284 Ox	2-5.6mm	400	396	1.80	6.38	<0.2	<0.5	25	33	20	430	<2	6	5.40	5.12	<0.5	<0.5	13	9	100	148	17	19	3.47	3.72	<10	0.07	1.45
	250um-2mm	9	12	1.58	6.15	<0.2	<0.5	20	24	40	460	<2	<2	4.63	4.53	<0.5	<0.5	12	12	240	260	16	17	2.73	2.97	<10	0.17	1.47
	63-250um	6	9	1.00	5.56	<0.2	<0.5	20	20	30	480	<2	<2	2.98	3.36	<0.5	<0.5	16	16	213	253	18	19	1.78	2.07	<10	0.09	1.50
	<63um	30	176	0.89	5.15	<0.2	<0.5	50	50	20	520	<2	<2	6.13	5.89	<0.5	<0.5	18	20	32	63	32	33	1.66	2.04	<10	0.06	1.64
	<2um	25	27	4.34	7.82	<0.2	<0.5	155	150	110	550	2	2	2.38	2.11	<0.5	<0.5	51	38	122	152	139	123	5.66	5.36	30	0.34	2.04
	<5.6mm	15	17	1.49	5.58	<0.2	<0.5	35	33	50	460	<2	4	5.52	5.19	<0.5	<0.5	17	16	337	367	27	29	2.49	2.57	<10	0.19	1.53
	Table Lights	7	18	1.27	6.06	<0.2	<0.5	20	27	20	460	<2	2	4.23	4.64	<0.5	<0.5	13	13	203	253	15	17	2.37	2.51	<10	0.09	1.52
	MI Lights	32	6	0.99	5.37	<0.2	<0.5	15	19	20	350	<2	2	3.79	4.93	<0.5	<0.5	8	11	88	159	13	11	2.16	3.17	<10	0.06	1.16
	Mag	<2		0.70		<0.5					150		10		0.50		5.0		5		900		5		>25		0.02	
	HMC	1580				<5			57	<100							<10		29		610				25			

		La	MgP	MgT	MnP	MnT	MoP	MoT	NaP	NaT	NiP	NiT	PP	PT	PbP	PbT	Sb	Sc	SrP	SrT	TiP	TiT	VP	VT	WP	WT	ZnP	ZnT
		ppm	%	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
62	2-5.6mm	<10	1.41	1.65	477	576	1	1	0.03	2.17	29	26	380	460	<2	2	5	5	47	195	0.13	0.32	51	83	<5	<10	45	54
	250um-2mm	<10	1.10	1.24	338	405	<1	1	0.06	2.24	24	19	330	300	<2	6	<5	4	47	244	0.11	0.22	40	54	<5	<10	35	40
	63-250um	<10	0.56	0.73	204	281	<1	<1	0.04	2.17	12	13	310	290	<2	8	<5	2	28	275	0.08	0.17	25	33	<5	<10	19	25
	<63um	<10	2.22	2.49	341	438	<1	1	0.02	1.84	14	17	530	500	2	10	<5	3	37	245	0.09	0.25	24	38	<5	<10	27	35
	<2um	40	1.85	1.77	1217	1035	1	<1	0.83	2.07	80	71	5500	4780	20	18	10	22	35	155	0.20	0.40	93	117	5	10	142	129
	<5.6mm	<10	1.52	1.73	363	424	1	1	0.07	2.06	18	17	410	440	4	8	<5	4	45	254	0.10	0.24	34	46	<5	<10	30	39
	Table Lights	<10	0.82	0.99	260	347	<1	<1	0.04	2.26	15	17	290	330	4	6	<5	3	34	266	0.09	0.16	25	42	<5	<10	26	33
	MI Lights	10	0.95	1.25	252	411	1	<1	0.04	2.00	17	25	720	730	2	4	<5	4	36	249	0.13	0.25	37	65	<5	<10	29	37
	Mag			0.42		1300		5		0.21		59		600		2				34		2.41		1430		50		210
	HMC	280						2		0.47		<50					1.9	69								13		<200
96	2-5.6mm	10	1.26	1.50	344	469	<1	<1	0.03	2.68	25	21	480	530	2	2	<5	3	27	233	0.15	0.32	37	62	<5	<10	56	66
	250um-2mm	<10	1.02	1.19	301	391	<1	<1	0.10	2.60	22	20	380	350	4	6	<5	4	42	254	0.14	0.24	34	47	<5	<10	48	54
	63-250um	<10	0.41	0.55	122	202	<1	<1	0.03	2.25	8	9	260	230	4	10	<5	1	22	290	0.06	0.14	16	23	<5	<10	19	26
	<63um	<10	1.80	2.03	133	273	<1	<1	0.01	1.96	9	14	550	490	4	14	<5	2	31	273	0.08	0.22	21	35	<5	<10	40	49
	<2um	20	2.35	2.63	787	823	1	1	1.28	3.17	90	92	>10000	>10000	100	92	<5	9	39	206	0.09	0.32	71	90	10	10	373	379
	<5.6mm	<10	1.02	1.27	220	313	1	<1	0.06	2.26	15	14	360	390	6	12	<5	2	32	270	0.09	0.20	26	37	<5	<10	41	50
	Table Lights	10	0.73	0.83	208	277	1	<1	0.05	2.28	13	16	310	320	4	8	<5	2	31	268	0.10	0.14	22	33	<5	<10	31	34
	MI Lights	30	0.89	1.77	267	738	<1	<1	0.06	1.71	15	31	2350	2080	4	8	<5	5	53	286	0.19	0.53	47	107	<5	<10	34	57
	Mag			0.21		1080		5		0.07		57		400		2				29		1.23		1230		50		168
	HMC	380						<2		0.28		<50					0.6	77								18		<200
98	2-5.6mm	<10	1.25	1.31	405	442	<1	<1	0.04	2.81	25	20	410	420	<2	2	<5	4	48	210	0.17	0.28	35	54	<5	<10	39	42
	250um-2mm	<10	1.08	1.26	290	380	<1	<1	0.04	2.72	21	18	360	330	2	2	<5	3	50	244	0.14	0.25	29	47	<5	<10	29	38
	63-250um	<10	0.64	0.79	202	286	<1	<1	0.06	2.30	13	14	290	290	4	10	<5	2	39	277	0.10	0.18	24	33	<5	<10	19	27
	<63um	<10	1.86	2.08	235	342	<1	<1	0.01	2.05	15	18	570	520	8	10	<5	2	38	253	0.09	0.25	24	41	<5	<10	35	42
	<2um	<10	2.53	2.55	725	685	<1	<1	0.79	2.48	56	57	6690	5840	28	24	<5	9	71	178	0.17	0.27	63	78	5	10	153	147
	<5.6mm	<10	1.24	1.31	348	392	1	1	0.11	2.55	22	19	440	430	<2	4	5	4	56	246	0.15	0.26	37	49	<5	<10	41	45
	Table Lights	<10	0.90	1.02	232	309	<1	<1	0.04	2.44	14	17	320	350	2	6	<5	2	38	252	0.11	0.17	22	38	<5	<10	24	29
	MI Lights	10	0.92	1.56	223	605	<1	<1	0.03	1.82	11	24	1390	1380	6	6	<5	4	50	295	0.15	0.44	37	93	<5	<10	21	41
	Mag			0.25		1120		5		0.09		53		500		2				23		1.32		1140		50		164
	HMC	320						4		0.28		62					0.8	74								48		<200
284	2-5.6mm	<10	1.84	1.93	506	514	1	<1	0.02	1.99	38	30	410	460	<2	2	<5	4	62	200	0.07	0.29	42	86	<5	<10	48	55
	250um-2mm	<10	1.37	1.49	385	429	<1	<1	0.05	2.02	29	26	380	340	8	6	5	4	50	234	0.07	0.24	36	65	<5	<10	39	45
	63-250um	<10	0.86	1.03	354	419	<1	<1	0.03	1.91	26	28	330	320	2	12	<5	3	32	255	0.08	0.20	28	43	<5	<10	28	33
	<63um	<10	2.44	2.52	320	399	<1	1	0.01	1.65	27	27	500	470	14	18	<5	3	37	224	0.06	0.24	23	44	<5	<10	31	36
	<2um	60	2.06	1.94	988	856	<1	<1	0.86	1.89	109	94	5240	4230	42	34	5	16	33	142	0.18	0.34	85	110	5	10	128	117
	<5.6mm	<10	1.84	1.83	471	454	<1	<1	0.06	1.82	32	26	420	420	4	12	5	5	55	228	0.08	0.24	40	56	5	<10	42	46
	Table Lights	<10	1.25	1.34	375	417	<1	1	0.03	2.10	28	31	350	360	2	8	<5	3	43	254	0.07	0.18	28	57	<5	<10	34	38
	MI Lights	<10	1.10	1.63	260	503	<1	<1	0.03	1.84	20	30	880	900	2	6	<5	3	38	252	0.09	0.30	31	79	<5	<10	29	44
	Mag			0.31		930		5		0.14		59		600		2				26		0.94		1010		50		134
	HMC	430						4		0.23		55					1.8	71								78		<200

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %	
285 Ox	2-5.6mm	2	1	2.54	7.37	0.2	<0.5	45	50	30	480	<2	2	0.42	0.50	<0.5	<0.5	19	15	150	177	22	21	5.02	4.47	<10	0.12	1.58	
	250um-2mm	4	4	1.95	7.41	0.4	<0.5	30	38	30	520	<2	<2	0.28	0.63	<0.5	<0.5	18	15	179	203	19	19	3.83	3.83	<10	0.09	1.64	
	63-250um	3	3	1.11	6.09	0.2	<0.5	35	25	30	510	4	<2	0.30	0.94	<0.5	<0.5	17	16	184	203	17	16	2.30	2.37	<10	0.09	1.56	
	<63um	19	15	1.29	6.05	0.2	<0.5	80	70	30	610	<2	<2	0.39	1.00	<0.5	<0.5	29	23	42	75	38	34	2.64	2.72	<10	0.04	1.77	
	<2um	24	28	5.12	8.97	0.2	<0.5	255	280	110	580	<2	<2	0.33	0.47	<0.5	0.5	90	74	135	185	162	151	7.14	6.81	30	0.28	2.11	
	<5.6mm	4	10	1.87	6.94	0.2	<0.5	55	50	50	550	2	2	0.41	0.87	<0.5	<0.5	22	20	321	375	29	31	3.46	3.54	10	0.18	1.72	
	Table Lights	79	167	1.56	6.24	<0.2	<0.5	50	36	30	460	<2	<2	0.27	0.73	<0.5	<0.5	18	14	213	241	19	17	3.00	2.83	<10	0.09	1.48	
	MI Lights	14	29	1.35	5.84	0.2	<0.5	20	22	20	370	<2	<2	0.45	1.61	<0.5	<0.5	12	13	102	164	10	9	3.28	3.95	<10	0.08	1.24	
	Mag	<12		0.60		<0.5					160		10		0.36		5.0		5		920		5		>25				0.01
	HMC	340				<5			45		<100						<10		42		620				30				
607 Ox	2-5.6mm	4	3	1.57	7.59	0.2	<0.5	5	6	20	460	<2	4	0.50	1.58	<0.5	<0.5	12	12	83	101	19	22	2.66	3.17	<10	0.08	1.36	
	250um-2mm	7	1	1.13	6.67	0.2	<0.5	5	9	20	420	<2	<2	0.36	1.32	<0.5	<0.5	9	10	89	76	26	25	1.89	2.21	<10	0.06	1.28	
	63-250um	6	8	0.70	5.63	0.2	<0.5	<5	6	20	440	<2	<2	0.34	1.23	<0.5	<0.5	5	7	169	179	26	25	1.37	1.59	<10	0.07	1.29	
	<63um	62	82	0.80	6.03	0.2	<0.5	5	9	20	550	<2	<2	0.27	1.44	<0.5	<0.5	10	10	25	49	56	54	1.76	2.39	<10	0.03	1.58	
	<2um	24	41	5.73	8.70	0.2	<0.5	30	nss	80	450	<2	4	0.32	0.65	<0.5	<0.5	49	37	96	102	275	239	5.73	5.16	20	0.22	1.67	
	<5.6mm	7	11	1.27	6.18	0.2	<0.5	<5	6	30	420	<2	2	0.58	1.48	<0.5	<0.5	9	11	395	435	36	38	2.10	2.40	10	0.13	1.25	
	Table Lights	<1	6	0.83	5.94	<0.2	<0.5	<5	7	20	420	<2	2	0.29	1.22	<0.5	<0.5	7	6	176	223	23	24	1.39	1.67	<10	0.06	1.30	
	MI Lights	10	14	0.88	5.58	<0.2	<0.5	<5	9	10	260	<2	<2	1.06	3.61	<0.5	0.5	6	13	114	170	16	12	1.70	3.88	<10	0.06	0.87	
	Mag	48		0.50		<0.5					200		10		0.49		5.0		5		1050		5		>25				<.01
	HMC	1070				<5			9		<100						<10		33		570				24				
608 Ox	2-5.6mm	10	29	1.85	7.38	0.2	<0.5	5	5	30	360	<2	2	0.77	1.23	<0.5	<0.5	15	14	123	139	24	26	3.05	3.27	<10	0.10	1.24	
	250um-2mm	9	50	1.39	6.65	0.4	<0.5	<5	5	20	370	<2	2	0.64	1.21	<0.5	<0.5	12	9	140	156	24	23	2.42	2.50	<10	0.06	1.20	
	63-250um	52	35	0.72	5.63	0.2	<0.5	<5	5	10	400	2	<2	0.43	1.26	<0.5	<0.5	5	6	189	211	20	20	1.48	1.77	<10	0.05	1.22	
	<63um	109	175	1.12	6.39	0.2	<0.5	5	11	20	520	<2	<2	0.77	1.63	<0.5	<0.5	12	14	36	58	74	72	2.50	2.97	<10	0.03	1.57	
	<2um	56	75	4.25	9.49	0.2	<0.5	20	nss	110	570	4	<2	0.49	0.66	0.5	0.5	43	34	100	124	371	351	7.03	6.73	20	0.25	2.19	
	<5.6mm	12	24	1.52	6.23	<0.2	<0.5	5	7	40	370	<2	<2	0.78	1.30	<0.5	<0.5	13	10	407	414	35	35	2.55	2.60	<10	0.15	1.22	
	Table Lights	19	19	0.93	6.22	<0.2	<0.5	5	9	10	380	<2	2	0.41	1.27	<0.5	<0.5	8	8	165	217	20	22	1.65	2.02	<10	0.05	1.24	
	MI Lights	109	79	0.87	5.22	0.2	<0.5	<5	7	10	240	<2	2	0.90	2.81	<0.5	0.5	6	12	103	181	12	10	1.65	3.18	10	0.06	0.82	
	Mag	138		0.50		<0.5					240		10		0.51		5.0		5		1060		5		>25				<.01
	HMC**	3680				<5			32		<100						<10		56		530				26				
609 Ox	2-5.6mm	4	4	1.39	7.55	<0.2	<0.5	5	5	10	390	<2	4	0.43	1.51	<0.5	<0.5	11	13	66	92	5	7	2.39	3.05	<10	0.07	1.28	
	250um-2mm	1	3	1.04	6.29	<0.2	<0.5	10	6	10	420	<2	<2	3.19	3.85	<0.5	<0.5	8	9	67	98	16	17	1.86	2.40	<10	0.07	1.32	
	63-250um	2	13	0.66	5.97	<0.2	<0.5	<5	6	20	420	<2	2	1.21	2.08	<0.5	<0.5	7	10	152	201	13	13	1.46	1.94	<10	0.07	1.30	
	<63um	37	17	1.00	5.86	0.2	<0.5	10	12	20	510	<2	<2	2.50	2.94	<0.5	<0.5	13	13	35	55	41	38	2.07	2.54	<10	0.07	1.47	
	<2um	21	28	4.54	8.72	0.2	<0.5	15	27	110	540	4	4	0.72	1.07	<0.5	<0.5	38	33	109	126	243	226	6.16	5.89	30	0.33	2.08	
	<5.6mm	3	5	1.22	6.20	<0.2	<0.5	5	6	40	400	<2	2	0.56	1.34	<0.5	<0.5	9	10	379	421	19	21	1.99	2.32	<10	0.14	1.25	
	Table Lights	4	5	0.79	5.69	<0.2	<0.5	<5	9	20	340	<2	<2	0.28	1.13	<0.5	<0.5	7	6	168	204	8	8	1.40	1.68	<10	0.06	1.12	
	MI Lights	13	3	1.10	5.98	<0.2	<0.5	<5	12	10	250	2	4	0.90	3.31	<0.5	<0.5	7	14	90	164	8	5	2.00	3.89	10	0.07	0.87	
	Mag	<8		0.60		<0.5					240		10		0.66		5.0		5		970		5		>25				<.01
	HMC*	1030				<5			11		<100						<10		44		470				24				

		La ppm	MgP %	MgT %	MnP ppm	MnT ppm	MoP ppm	MoT ppm	NaP %	NaT %	NiP ppm	NiT ppm	PP ppm	PT ppm	PbP ppm	PbT ppm	Sb ppm	Sc ppm	SrP ppm	SrT ppm	TiP %	TiT %	VP ppm	VT ppm	WP ppm	WT ppm	ZnP ppm	ZnT ppm
285	2-5.6mm	30	1.62	1.47	743	619	1	1	0.03	2.16	59	38	530	480	4	2	5	5	16	171	0.05	0.32	52	108	<5	<10	73	67
	250um-2mm	20	1.21	1.27	495	500	1	<1	0.02	2.24	42	31	470	370	6	10	5	4	13	224	0.06	0.30	41	88	<5	<10	58	61
	63-250um	20	0.57	0.69	351	384	<1	<1	0.03	2.09	29	27	350	290	4	12	<5	3	15	263	0.07	0.21	33	52	<5	<10	33	36
	<63um	40	0.64	0.79	451	458	<1	<1	0.01	1.77	46	43	530	450	16	18	<5	6	12	226	0.06	0.27	29	58	<5	<10	46	47
	<2um	70	1.64	1.64	1437	1249	1	<1	0.92	1.85	185	161	7490	6240	62	50	<5	22	21	119	0.15	0.35	87	135	<5	10	153	143
	<5.6mm	30	0.98	1.09	554	536	1	2	0.07	2.09	46	36	450	460	12	20	<5	6	22	231	0.08	0.31	48	83	5	<10	59	62
	Table Lights	20	0.90	0.92	435	417	1	<1	0.03	2.03	36	34	390	350	4	8	5	3	14	221	0.06	0.19	32	67	<5	<10	46	44
	MI Lights	20	0.83	1.29	300	538	2	<1	0.03	1.88	28	34	940	860	10	8	<5	4	15	230	0.09	0.36	45	99	<5	<10	39	50
	Mag			0.23		980		5		0.13		56								21		0.86		1070		50	140	
	HMC	515						4		0.27		<50						1.3	75							67	<200	
607	2-5.6mm	10	1.01	1.18	503	570	<1	<1	0.03	2.74	24	20	430	430	2	6	<5	4	26	237	0.14	0.32	39	66	<5	<10	85	90
	250um-2mm	10	0.68	0.81	351	415	<1	<1	0.03	2.47	19	15	340	260	6	10	<5	3	18	259	0.12	0.22	29	43	<5	<10	83	87
	63-250um	10	0.32	0.47	249	318	<1	<1	0.05	2.22	11	12	300	250	4	12	<5	2	19	282	0.10	0.18	26	32	<5	<10	67	67
	<63um	20	0.33	0.64	410	547	<1	<1	0.01	2.12	15	17	650	580	18	20	<5	3	8	279	0.08	0.29	28	48	<5	<10	133	135
	<2um	40	1.27	1.24	2059	1759	4	<1	1.66	2.70	74	64	>10000	>10000	72	52	10	14	20	133	0.17	0.42	70	84	<5	10	650	544
	<5.6mm	20	0.60	0.76	423	459	<1	1	0.09	2.27	21	16	360	340	6	12	<5	4	35	255	0.13	0.24	39	50	<5	<10	96	94
	Table Lights	10	0.43	0.57	287	348	<1	<1	0.04	2.34	13	15	270	260	4	10	<5	2	17	268	0.09	0.15	20	33	<5	<10	63	64
	MI Lights	20	0.55	1.74	260	757	1	<1	0.06	1.90	14	33	2240	2140	2	10	<5	5	33	293	0.13	0.44	37	107	<5	<10	45	75
	Mag			0.23		1280		5		0.12		53		400		2				22		1.52		1240		50	178	
	HMC	420						<2		<0.25		<50						1.0	285							24	<200	
608	2-5.6mm	20	1.11	1.14	711	689	<1	<1	0.04	2.47	31	25	420	430	6	4	<5	4	26	175	0.08	0.25	34	65	<5	<10	119	116
	250um-2mm	20	0.87	0.90	469	479	<1	<1	0.03	2.21	27	23	370	310	2	8	<5	3	19	201	0.08	0.21	28	50	<5	<10	93	86
	63-250um	10	0.40	0.54	281	347	<1	1	0.04	2.17	13	14	270	250	2	12	<5	2	17	260	0.07	0.19	23	35	<5	<10	49	53
	<63um	30	0.77	1.00	623	689	<1	<1	0.01	2.00	23	24	580	520	16	20	<5	5	14	244	0.07	0.29	31	55	<5	<10	121	123
	<2um	70	1.59	1.54	2529	2269	4	<1	1.23	2.53	67	64	>10000	>10000	94	80	5	22	26	157	0.12	0.31	67	112	<5	10	529	466
	<5.6mm	20	0.77	0.82	577	534	1	2	0.09	2.15	27	20	390	370	12	10	<5	4	32	211	0.09	0.23	36	50	<5	<10	96	91
	Table Lights	10	0.55	0.69	327	397	<1	<1	0.04	2.31	17	19	270	290	4	8	<5	2	14	242	0.06	0.18	19	41	<5	<10	61	66
	MI Lights	20	0.51	1.33	248	598	1	<1	0.05	1.79	12	25	1560	1510	4	8	<5	4	30	258	0.12	0.39	33	85	<5	<10	43	64
	Mag			0.22		1270		5		0.12		55		400		2				24		1.61		1240		50	176	
	HMC	430						<2		<0.26		<50						1.5	88							130	<200	
609	2-5.6mm	20	0.91	1.12	363	442	<1	<1	0.03	2.85	24	19	410	460	4	2	<5	4	25	212	0.12	0.29	33	58	<5	<10	41	48
	250um-2mm	<10	0.97	1.22	272	368	<1	<1	0.02	2.38	20	24	330	320	2	4	5	3	37	242	0.11	0.23	30	52	<5	<10	30	39
	63-250um	10	0.44	0.66	211	325	<1	<1	0.04	2.45	15	16	270	280	2	10	<5	2	23	272	0.09	0.22	26	40	<5	<10	20	27
	<63um	20	1.12	1.28	374	465	<1	<1	0.02	2.04	26	25	700	600	10	14	<5	4	25	243	0.10	0.30	31	50	<5	<10	40	46
	<2um	70	1.91	1.89	1645	1465	1	1	0.93	2.42	87	83	8530	8040	48	48	<5	22	33	150	0.19	0.41	73	100	<5	10	154	146
	<5.6mm	20	0.56	0.72	341	385	<1	1	0.09	2.41	20	17	370	380	2	6	<5	4	39	234	0.12	0.25	35	44	<5	<10	36	41
	Table Lights	10	0.45	0.56	222	279	<1	<1	0.04	2.36	13	15	300	270	<2	6	<5	2	17	221	0.08	0.16	19	32	<5	<10	22	26
	MI Lights	30	0.64	1.60	256	683	1	<1	0.04	2.02	17	33	1540	1510	6	6	<5	5	45	304	0.17	0.55	38	104	<5	<10	29	54
	Mag			0.27		1480		5		0.14		51		500		2				29		2.00		1180		50	154	
	HMC	370						<2		0.40		<50						1.5	83							40	<200	

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
610	2-5.6mm	<1	2	1.87	7.36	0.2	<0.5	<5	6	30	450	<2	4	0.49	1.30	<0.5	<0.5	15	16	155	193	12	14	3.46	3.93	<10	0.10	1.46
	Ox 250um-2mm	<1	2	1.17	6.66	0.4	<0.5	15	6	20	500	2	2	0.34	1.18	<0.5	<0.5	10	9	93	118	12	12	2.23	2.48	<10	0.07	1.50
	63-250um	<1	2	1.20	6.12	0.2	<0.5	15	7	30	440	<2	<2	0.39	1.36	<0.5	<0.5	10	7	389	447	26	25	2.98	3.32	<10	0.11	1.29
	<63um	33	13	2.48	6.54	0.2	<0.5	55	36	50	450	2	2	0.32	1.21	<0.5	<0.5	26	23	76	91	82	74	4.31	4.35	10	0.09	1.35
	<2um	16	nss	6.10	7.85	0.2	<0.5	65	nss	80	260	<2	<2	0.16	0.35	<0.5	0.5	60	48	136	141	155	141	7.37	6.78	20	0.17	1.10
	<5.6mm	1	6	1.64	6.89	<0.2	<0.5	15	9	30	470	<2	2	0.55	1.39	<0.5	<0.5	13	13	271	297	21	22	2.98	3.13	10	0.13	1.48
	Table Lights	<1	<1	1.02	6.16	<0.2	<0.5	<5	10	20	440	<2	<2	0.24	1.14	<0.5	<0.5	8	8	172	231	14	13	1.89	2.16	<10	0.06	1.40
	MI Lights	6	<1	0.85	5.34	<0.2	<0.5	<5	11	10	310	<2	4	0.59	2.44	<0.5	<0.5	5	11	78	141	10	8	1.60	3.00	<10	0.06	1.00
	Mag	<6			0.60		<0.5				200		10		0.48		5.0		5		700		5		>25			<.01
	HMC	490					<5		26		<100						<10		83		590				33			
617	2-5.6mm	<1	1	1.90	7.54	<0.2	<0.5	10	6	20	340	<2	2	0.44	1.41	<0.5	<0.5	19	18	112	149	18	21	3.45	3.96	<10	0.05	1.15
	Ox 250um-2mm	2	<1	1.90	6.69	0.4	<0.5	15	5	40	370	2	<2	0.53	1.19	<0.5	<0.5	14	12	320	318	27	25	3.06	3.08	<10	0.15	1.12
	63-250um	<1	<1	0.83	5.69	<0.2	<0.5	5	5	20	450	2	<2	0.30	1.13	<0.5	<0.5	5	5	192	205	26	23	1.49	1.63	<10	0.05	1.33
	<63um	5	3	1.06	5.95	0.2	<0.5	5	7	30	570	2	<2	0.32	1.25	<0.5	<0.5	7	8	32	52	46	42	1.65	2.02	<10	0.03	1.62
	<2um	2	11	6.73	9.28	0.2	<0.5	<5	17	130	430	<2	<2	0.39	0.54	<0.5	<0.5	37	28	175	191	354	328	8.31	7.68	20	0.21	1.40
	<5.6mm	2	10	1.26	5.74	<0.2	<0.5	5	5	40	430	<2	<2	0.42	1.17	<0.5	<0.5	9	10	259	206	37	35	2.07	2.13	<10	0.08	1.30
	Table Lights	1	<1	0.95	6.07	<0.2	<0.5	<5	9	20	410	<2	<2	0.24	1.21	<0.5	<0.5	8	8	157	218	19	20	1.77	2.13	<10	0.03	1.29
	MI Lights	1	6	0.98	5.35	0.2	<0.5	<5	9	10	260	<2	<2	0.76	2.78	<0.5	<0.5	6	12	110	181	10	8	1.85	3.45	10	0.05	0.85
	Mag	330			0.70		<0.5				360		10		0.70		5.0		5		1170		5		>25			<.01
	HMC	71					<5		8		<100						<10		29		640				24			
621	2-5.6mm	<1	1	1.43	6.28	<0.2	<0.5	<5	7	20	430	<2	4	4.92	5.16	<0.5	0.5	10	11	102	136	23	25	2.62	3.17	<10	0.09	1.42
	Ox 250um-2mm	1	2	1.10	6.19	<0.2	<0.5	10	5	10	410	<2	<2	3.19	3.64	<0.5	<0.5	9	8	93	100	17	16	1.98	2.33	<10	0.08	1.29
	63-250um	1	1	0.75	5.52	0.4	<0.5	5	11	20	380	<2	2	1.40	1.95	<0.5	<0.5	8	5	164	147	13	12	1.59	1.81	<10	0.08	1.19
	<63um	14	15	1.07	6.10	0.2	<0.5	15	12	20	510	<2	2	2.26	3.21	<0.5	<0.5	12	15	34	59	40	42	2.12	2.66	<10	0.07	1.55
	<2um	34	20	3.76	7.58	0.2	<0.5	50	39	110	540	4	2	3.15	2.87	<0.5	0.5	54	40	126	143	273	228	5.62	5.07	20	0.39	2.12
	<5.6mm	2	3	1.25	5.82	<0.2	<0.5	5	11	30	430	<2	4	4.80	5.11	<0.5	<0.5	13	13	206	201	33	36	2.36	2.73	<10	0.12	1.41
	Table Lights	2	3	0.86	5.55	<0.2	<0.5	5	11	20	380	<2	2	4.05	4.89	<0.5	<0.5	8	9	161	227	20	21	1.68	2.08	<10	0.06	1.27
	MI Lights	<1	<1	0.86	4.88	<0.2	<0.5	5	10	10	260	<2	4	3.04	4.85	<0.5	<0.5	7	14	103	190	15	12	1.73	3.44	<10	0.07	0.86
	Mag	32			0.60		<0.5				220		10		0.64		5.0		5		860		5		>25			<.01
	HMC	49					<5		11		<100						<10		51		570				29			
630	2-5.6mm	<1	<1	2.17	7.16	0.2	<0.5	<5	14	30	540	<2	2	0.43	0.96	<0.5	<0.5	15	12	166	212	7	9	4.12	4.32	<10	0.09	1.41
	Ox 250um-2mm	2	<1	2.02	7.41	0.4	<0.5	30	16	30	520	<2	<2	0.41	1.09	<0.5	<0.5	13	11	197	244	17	17	3.38	3.55	10	0.08	1.28
	63-250um	<1	<1	1.41	6.02	0.4	<0.5	15	12	30	440	<2	<2	0.39	1.10	<0.5	<0.5	9	6	326	324	18	17	2.26	2.32	<10	0.08	1.21
	<63um	3	5	1.63	6.65	0.2	<0.5	15	12	30	600	<2	<2	0.24	1.12	<0.5	<0.5	11	11	48	78	24	25	2.08	2.57	<10	0.04	1.64
	<2um	11	18	7.21	9.12	0.2	<0.5	60	70	100	430	<2	<2	0.23	0.41	<0.5	<0.5	36	28	173	184	98	91	6.54	6.07	20	0.19	1.24
	<5.6mm	54	3	1.76	6.26	<0.2	<0.5	20	14	40	500	<2	<2	0.36	1.07	<0.5	<0.5	12	12	241	305	25	26	2.54	2.66	10	0.10	1.35
	Table Lights	<1	<1	1.47	6.28	<0.2	<0.5	10	16	20	440	<2	2	0.21	1.05	<0.5	<0.5	10	10	95	148	13	14	2.36	2.58	<10	0.03	1.22
	MI Lights	12	22	1.01	4.99	<0.2	<0.5	<5	11	10	230	<2	4	0.77	3.12	<0.5	<0.5	6	13	112	201	7	4	1.80	3.97	10	0.04	0.74
	Mag	<2			1.40		<0.5				340		10		0.91		2.5		20		1240		5		>25			0.03
	HMC*	1380					<5		<7		<100						<25		57		700				31			

		La	MgP	MgT	MnP	MnT	MoP	MoT	NaP	NaT	NiP	NiT	PP	PT	PbP	PbT	Sb	Sc	SrP	SrT	TiP	TiT	VP	VT	WP	WT	ZnP	ZnT
		ppm	%	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
610	2-5.6mm	10	1.18	1.39	588	651	1	<1	0.04	2.53	40	31	420	450	6	4	<5	6	24	228	0.18	0.36	58	87	<5	<10	49	57
	250um-2mm	10	0.68	0.86	302	362	<1	1	0.02	2.39	23	27	290	270	<2	8	<5	4	16	276	0.13	0.24	35	52	<5	<10	32	37
	63-250um	20	0.54	0.76	309	427	1	<1	0.06	2.20	25	25	400	350	8	12	<5	4	21	292	0.14	0.27	53	61	<5	<10	40	48
	<63um	30	0.83	1.04	681	715	<1	<1	0.01	1.62	46	44	750	600	34	32	<5	6	12	219	0.15	0.34	55	66	<5	<10	88	87
	<2um	30	0.96	0.99	1849	1644	5	1	1.62	2.15	82	75	>10000	>10000	74	70	5	13	10	74	0.16	0.34	81	95	<5	<10	102	98
	<5.6mm	20	0.87	1.01	509	526	1	1	0.06	2.43	31	24	390	360	6	8	<5	5	31	271	0.17	0.29	56	69	<5	<10	54	54
	Table Lights	10	0.55	0.70	249	316	<1	<1	0.03	2.33	19	21	250	250	2	8	<5	2	12	278	0.10	0.17	27	44	<5	<10	28	33
	MI Lights	10	0.42	1.27	206	544	1	1	0.04	1.95	13	27	990	980	8	10	<5	3	22	276	0.13	0.28	30	73	<5	<10	21	46
	Mag			0.26		1230		5		0.13		45											1030			50		136
	HMC	430						<2		<0.26		<50					1.1	77								25		<200
617	2-5.6mm	10	1.36	1.54	622	667	<1	<1	0.03	2.78	47	38	470	480	6	4	<5	5	24	224	0.15	0.32	55	86	<5	<10	52	59
	250um-2mm	10	1.04	1.09	481	493	<1	1	0.09	2.38	41	38	400	340	6	6	<5	6	37	233	0.14	0.26	51	65	<5	<10	42	43
	63-250um	10	0.41	0.52	163	217	<1	<1	0.04	2.17	18	17	310	250	2	12	<5	2	17	273	0.09	0.17	25	32	<5	<10	21	24
	<63um	20	0.40	0.62	153	261	<1	<1	0.01	2.02	18	20	510	400	12	14	<5	3	13	262	0.10	0.26	28	41	<5	<10	27	33
	<2um	30	1.70	1.63	742	690	2	<1	0.92	1.78	101	92	7680	6910	38	36	<5	15	24	116	0.24	0.43	118	137	<5	<10	115	112
	<5.6mm	20	0.59	0.69	296	313	<1	1	0.06	2.04	27	20	420	350	6	8	<5	4	26	244	0.12	0.23	38	44	<5	<10	41	43
	Table Lights	10	0.56	0.72	227	305	<1	<1	0.03	2.31	22	25	320	320	2	8	<5	2	13	260	0.08	0.17	26	46	<5	<10	24	31
	MI Lights	20	0.57	1.39	201	585	<1	<1	0.04	1.80	19	33	1100	1120	4	8	<5	5	35	273	0.16	0.41	40	94	<5	<10	21	46
	Mag			0.31		1760		5		0.22		62		100		2							1140			50		180
	HMC	440						4		<0.28		55					0.7	81								15		<200
621	2-5.6mm	<10	1.51	1.78	415	496	<1	<1	0.03	2.28	31	27	380	420	2	4	<5	5	54	239	0.15	0.29	42	71	<5	<10	39	49
	250um-2mm	<10	1.00	1.16	281	359	<1	<1	0.03	2.36	21	22	340	320	<2	2	<5	3	38	242	0.11	0.23	31	50	<5	<10	33	36
	63-250um	10	0.48	0.61	230	297	<1	<1	0.04	2.26	14	15	300	260	<2	8	<5	3	30	252	0.11	0.21	29	37	<5	<10	22	26
	<63um	20	1.04	1.38	370	502	<1	<1	0.02	2.13	23	27	690	600	4	14	<5	5	28	250	0.12	0.30	33	52	<5	<10	43	53
	<2um	30	2.14	1.96	1185	1024	<1	<1	0.79	2.13	127	107	5740	4980	54	50	10	17	46	171	0.18	0.33	77	97	<5	<10	196	169
	<5.6mm	<10	1.30	1.52	411	464	<1	1	0.06	2.18	29	31	370	380	4	4	<5	4	52	255	0.13	0.25	44	61	5	<10	41	45
	Table Lights	<10	0.95	1.17	261	345	<1	<1	0.03	2.19	19	23	280	300	4	8	<5	2	38	260	0.09	0.16	25	46	<5	<10	27	33
	MI Lights	10	0.81	1.83	259	655	1	<1	0.06	1.76	16	33	1610	1530	4	8	<5	5	45	259	0.16	0.34	38	92	<5	<10	24	52
	Mag			0.37		1530		5		0.14		66		100		2							1390			50		194
	HMC	360						<2		<0.21		63					1.2	77								<13		<200
630	2-5.6mm	10	1.46	1.60	659	673	1	<1	0.02	2.38	36	26	490	490	6	6	<5	7	27	210	0.22	0.39	73	109	<5	<10	52	58
	250um-2mm	10	1.11	1.28	463	515	<1	1	0.05	2.56	36	34	570	540	16	10	<5	5	40	284	0.20	0.33	58	87	<5	<10	47	50
	63-250um	10	0.60	0.72	234	291	<1	<1	0.08	2.26	26	24	490	390	6	10	<5	4	37	282	0.15	0.25	42	49	<5	<10	29	31
	<63um	10	0.57	0.84	167	289	<1	<1	0.01	1.98	33	30	390	320	10	18	<5	3	14	261	0.13	0.32	35	54	<5	<10	33	43
	<2um	20	1.33	1.31	369	363	5	<1	1.02	1.74	116	107	9290	8260	34	28	5	11	21	98	0.31	0.51	112	127	5	<10	105	104
	<5.6mm	20	0.73	0.87	312	352	<1	1	0.05	2.08	32	32	340	300	12	10	<5	4	31	257	0.16	0.30	49	61	<5	<10	43	44
	Table Lights	10	0.72	0.89	272	347	<1	<1	0.01	2.26	26	28	300	290	4	12	<5	3	17	264	0.12	0.23	36	61	<5	<10	32	38
	MI Lights	20	0.52	1.80	212	763	1	<1	0.04	1.65	15	36	1150	1090	6	8	<5	5	31	254	0.20	0.51	44	116	<5	<10	22	56
	Mag			0.68		2240		5		0.26		108		100		42							2010			50		394
	HMC	534						<4		<0.44		<50					0.6	80								<22		<200

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
635 Ox	2-5.6mm	2	7	2.12	7.82	<0.2	<0.5	5	5	20	300	<2	4	0.44	1.34	<0.5	<0.5	16	15	144	143	14	17	3.19	3.66	<10	0.11	1.12
	250um-2mm	17	6	1.94	7.21	0.2	<0.5	15	5	20	320	<2	<2	0.51	1.37	<0.5	<0.5	13	12	155	143	21	19	2.94	3.17	<10	0.11	1.03
	63-250um	22	21	1.30	6.87	0.4	<0.5	5	7	20	360	<2	<2	0.45	1.43	<0.5	<0.5	12	9	261	264	28	28	2.22	2.59	<10	0.09	1.14
	<63um	157	234	1.81	6.86	0.2	<0.5	25	19	30	490	<2	2	0.39	1.16	<0.5	<0.5	18	17	49	76	72	67	3.18	3.30	<10	0.06	1.37
	<2um	101	109	5.35	9.34	0.2	<0.5	45	30	120	500	4	2	0.40	0.59	<0.5	<0.5	42	32	135	155	345	303	6.63	6.17	20	0.29	1.84
	<5.6mm	45	34	2.06	7.12	0.2	<0.5	15	6	40	330	<2	2	0.56	1.37	<0.5	<0.5	15	14	310	291	35	34	3.16	3.17	10	0.14	1.11
	Table Lights	14	12	1.46	7.13	<0.2	<0.5	5	9	10	320	<2	2	0.25	1.38	<0.5	<0.5	13	12	63	103	19	20	2.37	2.75	<10	0.04	1.11
	MI Lights	63	101	1.28	6.66	0.2	<0.5	<5	10	10	260	2	2	0.50	2.54	<0.5	<0.5	9	12	82	120	18	16	2.25	3.34	<10	0.06	0.91
	Mag	<3			0.70		<0.5				380		10		0.79		2.5		5		920		5		>25		<.01	
	HMC**	9640					<5		70		<100						<10		87		480				27			
637 Ox	2-5.6mm	2	9	1.74	7.60	<0.2	<0.5	<5	5	10	290	<2	2	0.45	1.64	<0.5	<0.5	13	14	82	86	8	9	2.75	3.30	<10	0.07	1.01
	250um-2mm	2	3	1.57	7.82	0.2	<0.5	5	6	10	360	<2	4	0.46	1.75	<0.5	<0.5	11	12	79	90	13	14	2.42	3.10	<10	0.07	1.10
	63-250um	6	6	1.24	6.27	0.4	<0.5	5	11	30	350	<2	<2	0.45	1.36	<0.5	<0.5	10	9	250	248	25	23	1.94	2.15	<10	0.11	1.09
	<63um	34	127	1.60	6.68	0.2	<0.5	30	29	30	420	<2	<2	0.37	1.33	<0.5	<0.5	13	12	41	64	45	42	2.39	2.69	10	0.06	1.40
	<2um	50	44	5.21	9.27	0.2	<0.5	50	65	100	510	4	2	0.51	0.79	<0.5	<0.5	34	27	122	144	267	246	5.73	5.58	20	0.29	1.89
	<5.6mm	18	11	1.68	7.17	0.2	<0.5	<5	11	30	360	<2	<2	0.55	1.62	<0.5	<0.5	13	13	196	205	26	26	2.45	2.78	10	0.12	1.12
	Table Lights	6	4	1.35	6.84	<0.2	<0.5	10	15	10	320	2	<2	0.34	1.53	<0.5	<0.5	11	10	70	100	16	16	2.14	2.42	<10	0.06	1.09
	MI Lights	16	95	1.11	6.53	0.2	<0.5	<5	12	10	250	<2	4	0.58	2.89	<0.5	<0.5	8	11	84	115	12	10	2.04	3.37	10	0.06	0.85
	Mag	<24			0.80		<0.5				390		10		0.79		2.5		5		870		5		>25		<.01	
	HMC**	898					<5		36		<100						<10		52		520				23			
640 Ox	2-5.6mm	2	2	2.28	7.05	<0.2	<0.5	<5	4	20	180	<2	2	1.10	4.44	<0.5	<0.5	18	31	90	308	40	42	2.97	5.58	<10	0.08	0.58
	250um-2mm	4	2	1.64	6.50	0.2	<0.5	5	5	10	180	<2	<2	0.82	5.01	<0.5	<0.5	22	39	58	268	52	51	3.64	7.13	<10	0.04	0.40
	63-250um	4	6	2.87	8.70	0.2	<0.5	10	4	30	210	<2	<2	1.65	4.61	<0.5	<0.5	24	31	128	189	90	93	3.73	6.05	10	0.07	0.56
	<63um	82	10	2.05	7.43	0.2	<0.5	5	7	40	320	<2	<2	0.95	3.13	<0.5	<0.5	21	27	23	61	216	211	3.01	4.35	10	0.05	0.94
	<2um	53	nss	5.99	7.97	0.2	<0.5	10	nss	100	290	<2	2	0.60	1.05	<0.5	0.5	62	51	96	105	1024	908	7.39	6.90	20	0.22	0.99
	<5.6mm	18	17	2.48	6.97	<0.2	<0.5	5	5	30	190	<2	2	1.41	4.57	<0.5	<0.5	24	36	185	348	84	88	3.68	6.06	10	0.08	0.52
	Table Lights	2	4	2.32	7.17	<0.2	<0.5	<5	9	20	160	<2	2	1.17	5.02	<0.5	<0.5	23	39	46	197	75	70	3.68	6.78	10	0.06	0.45
	MI Lights	3	1	2.08	6.44	<0.2	<0.5	<5	7	20	140	<2	4	1.15	5.11	<0.5	<0.5	18	35	87	219	68	56	3.03	6.09	<10	0.06	0.40
	Mag	6			2.00		<0.5				360		100		0.76		2.5		240		190		20		>25		0.02	
	HMC	27					<5		3		<100						<10		190		160				25			
641 Ox	2-5.6mm	1	3	2.19	7.21	<0.2	<0.5	<5	4	20	200	<2	4	1.24	4.49	<0.5	<0.5	13	27	61	196	37	42	2.81	5.74	<10	0.09	0.66
	250um-2mm	3	3	1.65	6.96	0.2	<0.5	10	4	20	230	<2	<2	0.90	5.10	<0.5	<0.5	17	34	46	223	48	47	3.30	7.50	<10	0.06	0.54
	63-250um	2	2	2.30	7.60	0.4	<0.5	15	4	30	240	2	<2	1.34	4.14	<0.5	<0.5	24	27	99	158	76	73	3.58	5.80	10	0.08	0.67
	<63um	13	7	2.18	7.31	0.2	<0.5	<5	5	40	340	<2	<2	0.98	3.16	<0.5	<0.5	20	25	27	68	191	184	3.06	4.49	10	0.08	1.05
	<2um	12	25	6.23	8.27	0.2	<0.5	5	nss	80	290	<2	<2	0.81	1.32	<0.5	0.5	46	37	82	93	947	845	6.50	6.13	20	0.30	1.18
	<5.6mm	4	6	2.42	6.96	<0.2	<0.5	<5	4	30	230	<2	2	1.45	4.41	<0.5	<0.5	20	32	185	310	88	88	3.57	5.97	10	0.11	0.65
	Table Lights	2	3	1.99	6.83	<0.2	<0.5	<5	9	20	190	<2	4	1.04	4.65	<0.5	0.5	18	35	58	176	62	57	3.31	6.35	<10	0.07	0.57
	MI Lights	1	2	1.87	5.29	<0.2	<0.5	<5	7	20	140	<2	4	1.31	5.04	<0.5	<0.5	14	32	178	318	51	41	3.13	6.57	<10	0.08	0.42
	Mag	4			2.00		<0.5				330		100		0.80		2.5		230		190		10		>25		0.03	
	HMC	93					<5		<2		<100						<10		147		200				21			

		La ppm	MgP %	MgT %	MnP ppm	MnT ppm	MoP ppm	MoT ppm	NaP %	NaT %	NiP ppm	NiT ppm	PP ppm	PT ppm	PbP ppm	PbT ppm	Sb ppm	Sc ppm	SrP ppm	SrT ppm	TiP %	TiT %	VP ppm	VT ppm	WP ppm	WT ppm	ZnP ppm	ZnT ppm
635	2-5.6mm	10	1.44	1.67	465	516	1	<1	0.05	2.66	53	39	410	410	<2	2	<5	4	25	211	0.11	0.28	37	67	<5	<10	53	60
	250um-2mm	10	1.23	1.38	424	474	<1	1	0.04	2.48	43	41	400	330	2	2	<5	4	30	217	0.13	0.25	36	61	<5	<10	48	49
	63-250um	10	0.71	0.92	380	455	<1	<1	0.06	2.63	27	28	320	270	2	6	<5	3	28	271	0.11	0.23	33	52	<5	<10	32	37
	<63um	30	0.98	1.11	519	562	<1	<1	0.01	2.05	40	38	650	510	6	10	<5	5	19	219	0.11	0.26	35	59	<5	<10	56	57
	<2um	50	2.01	1.88	1621	1427	3	1	0.99	2.13	102	89	9830	7910	34	28	5	18	29	135	0.14	0.29	67	101	<5	10	138	129
	<5.6mm	20	1.21	1.29	571	536	2	1	0.08	2.44	45	32	460	380	2	2	<5	5	34	220	0.13	0.26	43	61	<5	<10	63	59
	Table Lights	10	1.01	1.20	362	439	1	1	0.02	2.66	32	35	350	330	2	6	<5	2	12	240	0.08	0.20	24	55	<5	<10	39	44
	MI Lights	10	0.79	1.34	268	515	<1	<1	0.03	2.28	23	33	560	560	6	6	<5	3	27	282	0.13	0.31	33	82	<5	<10	33	46
	Mag			0.41		1850		5		0.20		50								29		2.85		1220		50		200
	HMC	230						5		0.15		<50					1.3	64								26		250
637	2-5.6mm	10	1.23	1.46	432	494	<1	<1	0.03	2.94	36	29	390	410	<2	2	<5	3	24	238	0.13	0.30	34	65	<5	<10	47	54
	250um-2mm	10	1.02	1.35	356	488	<1	<1	0.03	2.90	29	34	380	360	<2	2	<5	3	26	263	0.14	0.29	32	63	<5	<10	43	50
	63-250um	10	0.62	0.76	349	394	<1	<1	0.06	2.41	24	21	330	250	2	4	<5	3	28	257	0.12	0.21	32	44	<5	<10	32	36
	<63um	20	0.80	0.98	407	469	<1	<1	0.02	2.21	29	29	570	480	6	10	<5	4	21	242	0.12	0.23	32	56	5	<10	48	52
	<2um	30	2.05	2.00	1167	1091	3	<1	0.74	2.30	89	83	6990	6600	24	22	<5	15	34	158	0.18	0.33	67	97	<5	10	155	148
	<5.6mm	20	0.91	1.11	424	464	<1	1	0.07	2.65	32	25	420	390	2	2	<5	4	34	254	0.14	0.27	39	57	<5	<10	46	49
	Table Lights	10	0.87	1.01	333	402	<1	<1	0.02	2.68	27	27	370	320	4	6	<5	3	18	250	0.12	0.20	26	51	<5	<10	39	39
	MI Lights	20	0.65	1.23	238	536	<1	<1	0.03	2.29	20	28	670	690	2	6	<5	4	31	308	0.15	0.34	36	90	<5	<10	28	44
	Mag			0.39		1720		5		0.22		49		100		2				30		2.91		1270		50		206
	HMC	240						<2		0.27		<50					0.6	73								429		<200
640	2-5.6mm	10	1.10	3.45	379	908	<1	<1	0.25	2.27	49	65	270	270	<2	2	<5	3	42	175	0.16	0.41	79	166	<5	<10	40	71
	250um-2mm	10	1.11	4.27	368	1125	<1	<1	0.19	1.83	63	108	200	180	2	2	<5	2	27	157	0.17	0.53	114	211	<5	10	46	85
	63-250um	<10	1.01	2.59	374	826	<1	<1	0.45	2.37	67	88	270	240	6	2	5	2	56	219	0.22	0.67	127	166	<5	10	52	79
	<63um	20	0.80	1.65	355	623	<1	<1	0.17	2.22	65	76	930	860	6	8	<5	4	38	230	0.15	0.42	81	111	5	<10	61	76
	<2um	30	1.89	1.91	1290	1183	2	<1	2.04	2.92	227	200	>10000	>10000	40	40	10	20	37	128	0.13	0.26	73	88	<5	10	152	136
	<5.6mm	10	1.13	3.25	443	953	<1	<1	0.34	2.04	67	76	330	320	<2	2	5	4	50	181	0.21	0.53	122	179	5	<10	56	81
	Table Lights	10	1.15	3.73	380	1060	<1	<1	0.30	2.04	61	104	260	250	<2	2	<5	2	40	175	0.17	0.45	98	189	<5	10	46	80
	MI Lights	10	1.00	3.58	322	1025	1	1	0.27	1.86	47	94	560	540	2	2	<5	3	39	172	0.12	0.37	65	159	<5	10	41	74
	Mag			1.12		2340		5		0.35		389		50		2				31		2.01		3660		50		790
	HMC	18						<2		0.25		408					0.3	42								<6		210
641	2-5.6mm	10	0.97	3.12	315	863	<1	<1	0.20	2.12	35	53	300	350	4	2	<5	3	44	182	0.17	0.49	98	175	<5	<10	37	71
	250um-2mm	10	0.99	4.09	315	1136	<1	<1	0.16	1.97	51	97	290	260	8	2	<5	3	29	178	0.17	0.63	112	237	<5	10	42	88
	63-250um	10	0.94	2.52	380	837	<1	<1	0.32	2.19	59	80	310	240	2	2	5	3	46	217	0.21	0.63	128	169	<5	10	47	71
	<63um	20	0.87	1.81	345	638	<1	<1	0.16	2.14	57	68	810	760	4	8	<5	5	42	234	0.17	0.42	87	121	<5	<10	52	68
	<2um	20	2.53	2.57	948	909	1	<1	1.35	2.36	191	167	>10000	9630	34	24	<5	19	36	126	0.17	0.28	76	90	<5	10	157	138
	<5.6mm	10	1.01	2.90	430	933	<1	<1	0.31	2.01	56	66	400	380	6	2	<5	4	50	188	0.22	0.56	134	183	5	<10	50	76
	Table Lights	10	0.98	3.29	326	987	<1	<1	0.22	2.00	49	85	290	290	<2	2	<5	2	36	182	0.18	0.46	101	185	<5	<10	40	74
	MI Lights	10	0.94	3.55	323	1099	1	<1	0.25	1.61	38	84	830	830	2	2	<5	5	41	175	0.19	0.47	87	193	<5	<10	38	76
	Mag			1.04		2670		5		0.32		343		100		2				28		2.07		3820		50		790
	HMC	22						<2		0.28		312					<0.2	49								<5		220

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
649	2-5.6mm	<1	1	1.76	7.66	<0.2	<0.5	<5	4	20	370	<2	2	0.72	2.25	<0.5	<0.5	13	16	121	171	12	14	2.90	4.00	<10	0.10	1.25
	Ox	7	1	1.13	6.95	0.2	<0.5	5	4	20	400	<2	2	0.37	1.92	<0.5	<0.5	10	15	107	157	13	13	2.10	3.17	<10	0.07	1.21
	63-250um	<1	10	1.13	5.87	0.2	<0.5	<5	5	30	390	<2	<2	0.50	1.60	<0.5	<0.5	9	9	250	274	21	19	1.99	2.52	<10	0.10	1.16
	<63um	9	105	1.68	6.42	0.2	<0.5	<5	5	40	470	<2	<2	0.39	1.58	<0.5	<0.5	13	16	33	54	38	36	2.07	2.71	10	0.07	1.47
	<2um	2	22	6.80	8.77	0.2	<0.5	15	16	80	350	<2	<2	0.41	0.70	<0.5	0.5	50	40	102	104	173	160	5.38	4.94	30	0.22	1.27
	<5.6mm	28	3	1.59	6.67	<0.2	<0.5	15	5	30	390	<2	2	0.61	1.96	<0.5	<0.5	15	14	193	235	22	24	2.61	3.19	<10	0.11	1.21
	Table Lights	7	2	1.25	6.05	<0.2	<0.5	<5	7	20	360	<2	<2	0.43	1.64	<0.5	<0.5	9	10	132	157	18	15	1.97	2.39	<10	0.08	1.15
	MI Lights	2	27	0.99	5.64	<0.2	<0.5	<5	7	20	230	<2	2	0.64	3.85	<0.5	<0.5	8	18	65	164	16	11	1.93	4.68	<10	0.05	0.75
	Mag	<12		1.30		<0.5					420		10		0.79		2.5		20		450		5		>25			0.05
	HMC	79				<5			3		<100					<10		110			340				23			
653	2-5.6mm	6	2	1.80	9.37	<0.2	<0.5	5	4	10	500	<2	6	0.54	2.19	<0.5	<0.5	13	16	90	152	13	17	3.07	4.22	<10	0.09	1.68
	Ox	2	2	1.35	7.48	0.4	<0.5	5	4	10	380	<2	<2	0.35	1.92	<0.5	<0.5	12	14	74	112	16	17	2.40	3.31	<10	0.06	1.19
	63-250um	1	3	1.30	6.31	0.4	<0.5	5	5	30	380	<2	<2	0.57	1.62	<0.5	<0.5	11	9	332	339	35	33	2.25	2.56	<10	0.11	1.16
	<63um	8	3	1.73	6.65	0.4	<0.5	<5	6	40	470	<2	<2	0.43	1.56	<0.5	<0.5	21	21	50	70	81	75	2.81	3.20	10	0.08	1.56
	<2um	15	8	5.08	7.91	0.2	<0.5	10	16	80	420	2	2	0.47	0.84	<0.5	0.5	58	45	126	131	292	258	6.71	6.00	30	0.26	1.63
	<5.6mm	4	2	1.88	7.23	<0.2	<0.5	15	5	30	380	<2	4	0.69	1.94	<0.5	<0.5	14	16	240	269	34	36	3.05	3.40	<10	0.15	1.23
	Table Lights	<1	<1	1.35	6.93	<0.2	<0.5	<5	9	20	350	<2	<2	0.39	1.83	<0.5	<0.5	12	13	139	180	24	23	2.28	2.88	<10	0.08	1.18
	MI Lights	<1	1	1.02	5.96	<0.2	<0.5	<5	9	10	260	<2	4	0.67	3.19	<0.5	<0.5	7	13	104	179	17	14	1.86	3.51	<10	0.06	0.87
	Mag	<2		0.60		<0.5					380		10		0.51		2.5		5		870		5		>25			<.01
	HMC*	370				<5			12		<100					<10		58			600				30			
683	2-5.6mm	3	4	1.25	5.97	<0.2	<0.5	<5	5	20	350	<2	2	0.54	1.34	<0.5	<0.5	11	11	101	96	10	10	2.49	2.64	<10	0.08	1.15
	Ox	6	3	0.84	6.47	0.4	<0.5	5	4	20	470	<2	<2	0.34	1.35	<0.5	<0.5	8	10	133	186	14	14	1.74	2.14	<10	0.06	1.36
	63-250um	3	7	0.61	5.51	0.2	<0.5	<5	5	20	450	<2	<2	0.38	1.25	<0.5	<0.5	5	4	172	188	12	11	1.30	1.52	<10	0.07	1.34
	<63um	22	32	0.68	5.51	0.2	<0.5	<5	4	20	510	<2	<2	0.42	1.44	<0.5	<0.5	7	9	26	45	20	18	1.44	1.86	10	0.04	1.68
	<2um	146	141	4.41	7.04	0.2	<0.5	15	nss	100	400	4	<2	0.54	0.74	<0.5	0.5	38	28	134	137	191	167	6.41	5.65	30	0.37	1.80
	<5.6mm	11	19	0.83	5.89	<0.2	<0.5	5	4	20	470	<2	<2	0.46	1.40	<0.5	<0.5	8	8	227	253	17	18	1.72	1.90	<10	0.08	1.41
	Table Lights	7	7	0.76	5.91	<0.2	<0.5	<5	10	20	430	<2	<2	0.34	1.32	<0.5	<0.5	6	6	146	179	12	11	1.51	1.72	<10	0.07	1.35
	MI Lights	5	15	0.79	4.89	<0.2	<0.5	<5	9	10	250	<2	2	1.20	3.38	<0.5	<0.5	5	13	109	206	6	3	1.63	3.54	10	0.08	0.83
	Mag	<8		0.50		<0.5					480		10		0.50		2.5		5		1010		5		>25			<.01
	HMC	420				<5			4		<100					<10		32			500				23			
695	2-5.6mm	<1	<1	1.06	6.05	<0.2	<0.5	<5	5	20	400	<2	4	7.20	8.09	2.5	3.0	8	11	63	86	63	77	2.06	3.24	<10	0.10	1.34
	Ox	5	2	0.71	5.66	<0.2	<0.5	5	4	20	440	<2	2	5.49	6.03	2.0	2.0	5	9	156	200	61	66	1.27	1.69	<10	0.08	1.34
	63-250um	<1	1	0.45	5.26	<0.2	<0.5	<5	4	20	450	<2	<2	3.28	3.67	1.5	1.0	4	4	157	177	57	56	0.96	1.30	<10	0.06	1.36
	<63um	5	4	0.57	4.54	<0.2	<0.5	<5	6	20	420	<2	6	6.68	7.05	4.0	4.0	6	10	25	43	208	202	1.06	1.51	<10	0.06	1.43
	<2um	54	50	3.22	7.27	<0.2	<0.5	<5	nss	120	580	<2	4	3.84	4.02	17.0	16.5	27	27	109	123	935	894	4.22	4.39	10	0.37	2.20
	<5.6mm	5	4	0.70	5.19	<0.2	<0.5	<5	5	20	430	<2	2	5.73	5.94	2.5	2.5	7	8	230	228	115	115	1.30	1.68	<10	0.09	1.35
	Table Lights	19	<1	0.60	5.34	<0.2	<0.5	<5	7	20	420	<2	2	4.20	4.84	1.5	1.5	4	6	143	193	62	60	1.08	1.37	<10	0.06	1.34
	MI Lights	<1	<1	0.63	4.37	<0.2	<0.5	<5	10	10	250	<2	4	3.44	5.04	1.0	1.0	4	11	108	178	32	25	1.65	3.34	<10	0.06	0.83
	Mag	<12		0.50		<0.5					360		10		0.40		2.5		5		1000		5		>25			<.01
	HMC	170				<5			4		<100					<10		36			530				26			

		La ppm	MgP %	MgT %	MnP ppm	MnT ppm	MoP ppm	MoT ppm	NaP %	NaT %	NiP ppm	NiT ppm	PP ppm	PT ppm	PbP ppm	PbT ppm	Sb ppm	Sc ppm	SrP ppm	SrT ppm	TiP %	TiT %	VP ppm	VT ppm	WP ppm	WT ppm	ZnP ppm	ZnT ppm
649	2-5.6mm	10	1.07	1.67	441	621	<1	<1	0.07	2.81	30	31	430	430	<2	2	<5	5	29	233	0.20	0.39	57	95	<5	<10	37	53
	250um-2mm	10	0.70	1.31	294	509	<1	<1	0.04	2.56	25	33	330	310	2	2	<5	3	14	258	0.13	0.31	42	77	<5	<10	29	41
	63-250um	10	0.49	0.86	252	381	<1	<1	0.08	2.16	25	28	300	250	4	8	<5	3	23	262	0.14	0.26	47	60	<5	<10	26	33
	<63um	20	0.47	0.83	313	452	<1	<1	0.03	2.05	29	32	550	530	6	14	<5	3	16	254	0.13	0.27	40	61	<5	<10	33	43
	<2um	20	1.21	1.21	1088	957	4	1	1.57	2.56	101	87	>10000	>10000	44	36	5	10	22	119	0.17	0.31	74	80	<5	10	95	88
	<5.6mm	10	0.82	1.25	387	510	<1	1	0.08	2.36	32	29	410	360	6	4	5	4	25	239	0.18	0.33	59	80	<5	<10	38	48
	Table Lights	10	0.64	0.95	278	388	1	<1	0.05	2.30	22	27	310	300	<2	6	<5	3	19	246	0.14	0.20	36	57	<5	<10	27	33
	MI Lights	10	0.59	2.22	215	837	1	<1	0.04	1.86	20	51	1060	1030	2	6	<5	3	22	268	0.15	0.45	40	134	<5	<10	23	58
	Mag			0.89		2250		5		0.29		205		100		2				79		5.43		2270		50		384
	HMC	125						<2		0.36		260					0.2	63								4		<200
653	2-5.6mm	10	1.25	1.63	464	678	1	<1	0.03	3.51	35	28	390	490	<2	4	<5	5	23	282	0.19	0.42	53	92	<5	<10	48	63
	250um-2mm	10	0.95	1.40	340	516	<1	<1	0.03	2.67	27	30	380	360	<2	2	<5	3	13	248	0.13	0.32	38	76	<5	<10	38	49
	63-250um	20	0.66	0.86	328	407	1	<1	0.08	2.32	26	24	310	250	8	8	<5	5	30	272	0.16	0.25	43	55	<5	<10	35	39
	<63um	30	0.81	1.06	462	549	1	<1	0.02	2.18	37	37	520	460	10	12	<5	6	20	257	0.18	0.29	49	69	<5	<10	56	61
	<2um	40	1.61	1.57	1437	1265	3	<1	0.99	2.19	115	104	9620	8570	44	42	5	20	26	142	0.24	0.43	98	108	<5	10	151	129
	<5.6mm	20	1.10	1.33	539	585	1	<1	0.08	2.54	34	28	420	360	8	2	<5	6	33	246	0.20	0.33	58	78	5	<10	55	63
	Table Lights	10	0.86	1.16	332	472	<1	<1	0.04	2.60	23	28	300	310	<2	6	<5	3	18	255	0.15	0.25	36	68	<5	<10	36	45
	MI Lights	20	0.60	1.41	243	629	1	<1	0.04	2.01	17	32	910	930	4	6	<5	4	26	282	0.16	0.36	37	103	<5	<10	26	48
	Mag			0.23		1190		5		0.19		48		50		2				20		1.72		1260		50		194
	HMC	360						<2		0.26		<50					0.6	83								12		210
683	2-5.6mm	20	0.75	0.97	476	438	<1	<1	0.03	2.23	20	16	430	340	2	2	<5	4	25	183	0.15	0.25	40	55	<5	<10	33	38
	250um-2mm	10	0.52	0.69	359	436	<1	<1	0.03	2.52	15	15	330	290	<2	6	<5	2	13	274	0.10	0.21	26	39	<5	<10	27	32
	63-250um	10	0.32	0.47	197	260	<1	<1	0.05	2.17	11	12	350	290	6	10	<5	2	19	287	0.09	0.16	24	28	<5	<10	18	22
	<63um	30	0.34	0.58	241	350	<1	1	0.01	2.05	13	15	710	660	4	14	<5	3	15	277	0.11	0.23	27	39	<5	<10	24	31
	<2um	70	1.52	1.43	1429	1262	4	1	1.96	2.50	84	72	>10000	>10000	58	52	5	16	24	117	0.13	0.34	88	98	<5	10	146	124
	<5.6mm	20	0.45	0.59	325	356	1	1	0.05	2.26	15	19	460	410	4	8	<5	3	20	276	0.11	0.21	32	37	<5	<10	29	34
	Table Lights	10	0.43	0.56	272	332	<1	<1	0.04	2.39	11	14	320	310	<2	8	<5	2	16	280	0.11	0.15	23	33	<5	<10	22	27
	MI Lights	30	0.51	1.62	216	691	1	<1	0.07	1.73	12	32	2430	2260	6	8	<5	5	36	270	0.15	0.38	38	95	<5	<10	21	51
	Mag			0.21		1190		5		0.20		48		50		2				24		1.49		1150		50		154
	HMC	410						<2		0.30		<50					0.5	79								18		<200
695	2-5.6mm	<10	1.52	1.99	345	527	<1	<1	0.04	2.23	15	17	370	470	<2	4	<5	3	57	236	0.13	0.33	41	64	<5	<10	221	260
	250um-2mm	<10	0.99	1.20	178	258	<1	<1	0.04	2.25	12	16	270	260	<2	6	<5	2	44	283	0.09	0.16	22	33	<5	<10	291	308
	63-250um	<10	0.53	0.69	119	200	<1	<1	0.04	2.13	9	10	290	260	6	10	<5	2	32	293	0.07	0.14	19	25	<5	<10	301	286
	<63um	<10	2.48	2.57	225	319	<1	<1	0.02	1.74	14	18	530	520	2	12	<5	2	42	247	0.09	0.18	21	32	<5	<10	1046	986
	<2um	20	2.63	2.63	1030	1027	1	<1	0.94	2.43	80	83	7180	7310	42	44	5	9	40	188	0.18	0.36	64	82	10	10	4885	4501
	<5.6mm	<10	1.35	1.50	214	288	<1	<1	0.05	2.01	13	14	360	390	10	8	<5	2	47	263	0.09	0.19	28	35	5	<10	516	485
	Table Lights	<10	0.77	0.87	146	213	<1	<1	0.04	2.23	9	12	260	270	<2	10	<5	2	36	283	0.08	0.12	18	26	5	<10	308	276
	MI Lights	10	0.87	1.75	187	621	<1	<1	0.05	1.59	10	25	1820	1770	2	8	<5	4	40	252	0.15	0.39	38	87	5	<10	156	157
	Mag			0.20		1250		5		0.15		50		50		2				18		2.47		1310		50		450
	HMC	400						<2		0.28		<50					0.5	78								10		370

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
1060 Unox	2-5.6mm	<1	2	2.90	6.39	<0.2	<0.5	25	19	10	210	<2	<2	3.22	3.31	<0.5	<0.5	36	29	173	179	63	62	5.83	5.71	<10	0.04	0.60
	250um-2mm	1	10	2.54	6.27	0.2	<0.5	40	20	20	230	<2	<2	2.75	3.18	<0.5	<0.5	23	22	241	276	54	55	5.25	5.58	<10	0.06	0.69
	63-250um	4	3	2.26	5.52	0.4	<0.5	25	30	30	240	<2	<2	2.55	2.60	<0.5	<0.5	24	17	298	301	46	42	4.95	4.77	10	0.08	0.75
	<63um	44	47	2.68	6.27	<0.2	<0.5	40	39	30	300	<2	4	3.77	4.02	<0.5	<0.5	28	25	100	125	54	52	5.39	5.49	10	0.07	0.97
	<2um	43	36	5.36	8.37	<0.2	<0.5	30	25	70	410	<2	2	4.15	3.81	<0.5	1.0	64	51	205	209	74	64	9.15	8.25	20	0.21	1.26
	<5.6mm	10	13	2.78	6.28	<0.2	<0.5	30	29	20	250	<2	2	3.35	3.81	<0.5	<0.5	23	26	227	232	65	68	5.59	5.53	<10	0.07	0.73
	Table Lights	2	5	2.18	5.66	<0.2	<0.5	15	19	10	230	<2	<2	2.27	2.81	<0.5	<0.5	19	18	154	187	45	44	4.45	4.47	<10	0.03	0.72
	MI Lights	4	5	2.45	5.87	<0.2	<0.5	35	46	10	190	<2	<2	2.21	3.48	<0.5	<0.5	30	32	111	149	69	64	5.78	6.15	10	0.04	0.61
	Mag	nss		1.20		<0.5					140		10	1.12		2.5			1740		1700		250		>25		<.01	
	HMC	97				<5			862		<100					<10			410		74				40			
1061 Unox	2-5.6mm	2	2	2.93	6.70	<0.2	<0.5	15	25	10	230	<2	<2	3.37	3.51	<0.5	<0.5	30	26	160	180	65	75	5.81	5.95	<10	0.02	0.66
	250um-2mm	2	3	2.61	6.43	0.2	<0.5	20	22	10	230	<2	<2	3.18	3.34	<0.5	<0.5	29	31	199	229	64	60	5.31	5.27	<10	0.05	0.75
	63-250um	1	3	1.91	5.96	0.2	<0.5	25	29	10	260	<2	<2	2.91	3.19	<0.5	<0.5	22	18	226	244	56	53	4.30	4.35	<10	0.04	0.86
	<63um	3	4	2.10	6.02	<0.2	<0.5	15	23	20	290	<2	2	4.09	4.57	<0.5	<0.5	27	25	96	130	58	58	4.25	4.43	10	0.04	0.98
	<2um	11	14	5.05	8.22	<0.2	<0.5	30	30	70	380	<2	2	5.52	4.88	0.5	0.5	62	53	257	270	105	95	8.14	7.53	10	0.18	1.21
	<5.6mm	3	4	2.41	6.37	<0.2	<0.5	15	22	20	270	<2	2	3.78	4.35	<0.5	<0.5	52	40	180	223	67	70	4.79	5.03	<10	0.06	0.83
	Table Lights	1	2	2.39	6.21	<0.2	<0.5	10	16	10	240	<2	<2	2.82	3.28	<0.5	<0.5	21	20	188	224	55	54	4.54	4.46	<10	0.03	0.80
	MI Lights	7	2	2.43	6.07	<0.2	<0.5	10	32	10	170	<2	4	2.83	4.41	<0.5	<0.5	27	30	120	170	85	78	5.08	5.68	<10	0.02	0.55
	Mag	<3		0.80		<0.5					270		10	0.69		5.0			3850		2610		320		>25		<.01	
	HMC	106				<5			966		<100					<10			438		110				38			
1099 Unox	2-5.6mm	46	48	1.35	5.71	0.4	<0.5	15	14	30	310	4	<2	2.54	2.54	<0.5	<0.5	16	15	246	275	44	41	4.46	4.42	<10	0.12	0.95
	250um-2mm	10	5	0.90	5.39	0.2	<0.5	10	12	20	290	<2	<2	2.09	2.17	<0.5	<0.5	14	11	146	193	41	42	3.61	3.71	<10	0.09	0.91
	63-250um	7	9	0.88	5.44	0.2	<0.5	20	14	30	320	<2	2	2.13	2.32	<0.5	<0.5	15	12	252	250	31	31	2.77	2.91	<10	0.11	1.05
	<63um	10	6	1.07	5.86	<0.2	<0.5	10	15	50	410	<2	4	4.15	4.27	<0.5	<0.5	14	16	45	87	32	32	2.82	3.13	<10	0.15	1.42
	<2um	10	10	3.04	8.77	<0.2	<0.5	20	22	150	710	2	2	4.45	3.92	<0.5	0.5	32	27	123	200	65	58	4.97	4.53	10	0.48	2.38
	<5.6mm	6	5	1.00	5.79	<0.2	<0.5	10	12	40	380	2	2	2.96	3.28	<0.5	<0.5	14	16	137	199	36	39	3.32	3.51	<10	0.13	1.21
	Table Lights	3	4	0.78	5.11	<0.2	<0.5	10	11	10	280	<2	<2	1.75	2.02	<0.5	<0.5	12	8	141	201	35	34	3.20	3.09	<10	0.05	0.89
	MI Lights	28	30	0.90	4.90	<0.2	<0.5	10	16	10	230	<2	4	2.08	2.79	<0.5	<0.5	14	16	67	111	43	38	3.82	3.98	<10	0.04	0.75
	Mag	40		0.90		<0.5					270		10	0.76		2.5			660		1900		170		>25		<.01	
	HMC	649				<5			647		<100					<10			550		550				35			
1100 Unox	2-5.6mm	6	6	1.54	5.89	0.4	<0.5	25	12	50	340	2	2	2.51	2.45	<0.5	<0.5	18	18	290	341	47	46	4.74	4.44	<10	0.20	1.05
	250um-2mm	30	6	1.27	6.01	<0.2	<0.5	15	11	30	290	2	2	2.44	2.88	<0.5	<0.5	135	111	246	312	44	46	4.05	4.61	<10	0.11	0.95
	63-250um	150	15	1.19	5.52	0.2	<0.5	25	19	40	290	<2	<2	2.20	2.30	<0.5	<0.5	24	19	379	335	38	36	3.57	3.56	<10	0.12	0.91
	<63um	9	8	1.69	6.49	<0.2	<0.5	15	22	60	440	<2	2	3.88	3.88	<0.5	<0.5	38	35	69	122	43	41	3.97	3.92	10	0.13	1.44
	<2um	16	14	3.48	9.40	<0.2	<0.5	40	38	130	730	<2	<2	3.76	3.29	<0.5	0.5	108	95	149	244	69	64	5.72	5.23	10	0.40	2.36
	<5.6mm	7	10	1.58	6.73	<0.2	<0.5	25	19	50	430	<2	2	3.22	3.70	<0.5	<0.5	42	35	173	256	44	48	4.15	4.60	<10	0.15	1.34
	Table Lights	17	4	1.08	5.63	<0.2	<0.5	5	15	10	280	<2	<2	2.21	2.75	<0.5	<0.5	42	48	136	217	41	40	3.66	3.90	<10	0.05	0.89
	MI Lights	12	13	1.47	5.17	<0.2	<0.5	20	30	10	150	<2	2	3.19	5.31	<0.5	<0.5	37	37	125	218	73	71	5.58	6.80	<10	0.05	0.48
	Mag	30		0.30		<0.5					190		20	0.22		25.0			>10000		1990		160		19.9		<.01	
	HMC	781				<5			1000		<100					<10			670		650				39			

		La ppm	MgP %	MgT %	MnP ppm	MnT ppm	MoP ppm	MoT ppm	NaP %	NaT %	NiP ppm	NiT ppm	PP ppm	PT ppm	PbP ppm	PbT ppm	Sb ppm	Sc ppm	SrP ppm	SrT ppm	TiP %	TiT %	VP ppm	VT ppm	WP ppm	WT ppm	ZnP ppm	ZnT ppm	
1060	2-5.6mm	<10	2.00	2.01	1251	1136	1	1	0.03	1.87	62	44	510	510	4	2	<5	11	47	152	0.22	0.49	99	130	70	60	94	96	
	250um-2mm	<10	1.58	1.80	1007	1084	2	3	0.04	1.76	51	50	580	540	8	2	<5	9	41	149	0.20	0.56	78	121	<5	10	85	88	
	63-250um	<10	1.30	1.35	916	876	3	3	0.05	1.56	43	40	710	590	4	2	<5	9	37	137	0.20	0.66	67	94	<5	<10	83	80	
	<63um	<10	1.70	1.80	1130	1120	3	3	0.03	1.57	50	51	880	840	8	10	<5	9	48	146	0.14	0.42	68	110	15	10	108	107	
	<2um	<10	2.94	2.61	1768	1585	3	<1	0.50	1.61	87	82	4150	3520	20	20	5	17	53	126	0.17	0.36	126	163	10	10	207	175	
	<5.6mm	<10	1.84	1.91	1096	1098	3	2	0.04	1.66	54	43	570	650	10	2	<5	10	47	151	0.18	0.54	83	123	<5	<10	94	114	
	Table Lights	<10	1.41	1.48	902	932	4	2	0.02	1.69	39	42	510	510	12	4	<5	7	33	146	0.15	0.45	60	105	10	<10	74	73	
	MI Lights	10	1.56	1.76	1048	1192	2	<1	0.02	1.50	45	51	590	670	4	4	<5	8	33	145	0.25	1.10	73	151	<5	20	94	94	
	Mag			0.54		1580		50		0.18		383		400		8				42		2.15		870		>10000		540	
	HMC	15						15		0.12		280					15.0	8								>10000		540	
																										120		<200	
	1061	2-5.6mm	<10	2.06	2.13	1278	1181	1	<1	0.02	1.96	66	48	430	450	<2	2	5	11	54	166	0.20	0.47	102	140	<5	<10	103	108
250um-2mm		<10	1.77	1.86	1096	1093	<1	1	0.04	1.89	58	54	510	450	<2	2	5	10	49	168	0.19	0.44	88	124	30	100	104	94	
63-250um		<10	1.34	1.44	868	873	1	1	0.04	1.95	49	46	450	380	4	2	5	8	43	183	0.19	0.45	69	101	5	10	76	77	
<63um		<10	1.71	1.84	965	983	1	2	0.02	1.82	51	52	490	490	<2	8	<5	8	54	187	0.13	0.36	68	108	10	<10	91	97	
<2um		<10	3.22	2.90	1614	1461	6	<1	0.54	1.72	118	111	4490	4460	32	12	5	17	72	155	0.15	0.32	145	188	20	10	229	205	
<5.6mm		<10	1.76	1.90	1032	1130	2	1	0.04	1.82	60	47	400	510	2	2	<5	10	55	178	0.16	0.46	80	122	245	160	95	102	
Table Lights		<10	1.67	1.66	1010	1017	2	1	0.03	2.01	47	52	410	400	<2	2	<5	9	45	178	0.18	0.39	76	118	5	<10	84	79	
MI Lights		<10	1.77	2.06	1128	1321	1	<1	0.02	1.65	51	59	570	650	<2	4	<5	9	45	176	0.28	0.70	84	170	<5	10	92	96	
Mag				0.30		2210		170		0.20		652		600		4				28		1.33		650		>10000		384	
HMC		24						17		0.16		341					14.4	11								>10000		384	
																										429		220	
1099		2-5.6mm	<10	1.50	1.54	642	633	1	<1	0.05	2.04	42	30	410	350	8	10	5	6	79	169	0.09	0.22	38	76	<5	<10	63	65
	250um-2mm	<10	1.24	1.33	534	554	3	3	0.04	2.09	35	37	380	340	2	2	<5	4	64	164	0.05	0.18	24	60	<5	<10	59	62	
	63-250um	<10	0.94	1.03	399	427	1	<1	0.06	2.19	32	30	410	350	8	8	5	3	45	183	0.06	0.22	26	51	<5	<10	42	44	
	<63um	<10	1.67	1.73	470	517	1	1	0.05	2.05	29	31	530	530	6	10	<5	5	69	206	0.07	0.22	30	66	10	<10	52	55	
	<2um	<10	2.12	1.89	740	657	2	1	0.57	2.06	72	66	4270	3650	24	28	5	9	86	183	0.06	0.21	63	138	10	10	119	104	
	<5.6mm	<10	1.38	1.48	489	533	1	2	0.05	2.04	33	29	360	410	6	6	5	4	65	185	0.05	0.23	27	66	<5	<10	54	59	
	Table Lights	10	1.09	1.09	479	486	3	3	0.03	2.19	30	30	300	270	8	8	<5	3	53	172	0.05	0.16	20	52	5	<10	49	47	
	MI Lights	10	1.32	1.46	576	674	2	1	0.02	1.97	29	33	490	480	6	6	<5	4	58	172	0.09	0.28	28	74	<5	<10	56	58	
	Mag			0.40		1790		200		0.37		214		400		<2				42		1.28		680		9900		248	
	HMC	66						8		0.21		380					37.8	22								58		<200	
	1100	2-5.6mm	<10	1.58	1.61	674	659	2	2	0.09	1.99	51	40	420	360	4	2	5	6	84	172	0.07	0.21	40	78	<5	<10	67	65
		250um-2mm	<10	1.42	1.72	623	729	2	1	0.06	2.16	40	44	400	410	4	2	<5	6	67	176	0.09	0.26	37	83	1275	1310	60	69
63-250um		<10	1.11	1.19	530	541	<1	2	0.08	2.12	41	37	410	350	6	6	5	5	50	166	0.09	0.27	36	67	100	100	52	53	
<63um		<10	1.80	1.76	644	649	1	1	0.04	1.78	46	47	520	500	4	6	<5	6	66	176	0.09	0.25	44	97	10	20	72	70	
<2um		10	2.11	1.90	874	791	2	<1	0.45	1.77	88	85	3240	3070	18	18	5	10	65	178	0.09	0.25	82	171	10	20	139	123	
<5.6mm		<10	1.56	1.78	632	720	2	<1	0.05	1.93	44	41	380	490	2	4	<5	6	65	181	0.07	0.29	42	99	180	120	70	79	
Table Lights		10	1.34	1.49	589	662	2	<1	0.03	2.19	34	39	360	350	8	4	<5	4	56	173	0.09	0.22	30	76	250	340	59	61	
MI Lights		<10	1.92	2.54	898	1214	3	1	0.04	1.41	44	56	1030	1120	6	8	<5	8	80	185	0.22	0.57	55	154	40	50	80	92	
Mag				0.13		1540		300		0.15		351		300		<2				11		0.21		90		>10000		74	
HMC		82						12		0.26		510					57.9	18								671		260	

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
1178	2-5.6mm	<1	<1	0.75	4.65	<0.2	<0.5	10	6	10	390	4	4	13.73	14.48	<0.5	<0.5	7	9	66	112	18	20	1.44	1.96	<10	0.09	1.42
Unox	250um-2mm	<1	<1	0.64	4.75	<0.2	<0.5	<5	5	20	380	<2	2	9.09	9.18	<0.5	<0.5	5	8	278	333	9	10	1.12	1.40	<10	0.12	1.32
	63-250um	<1	2	0.33	4.99	<0.2	<0.5	5	5	10	440	<2	<2	4.96	5.25	<0.5	<0.5	4	4	170	161	5	5	0.81	1.19	<10	0.06	1.39
	<63um	<1	<1	1.04	4.67	<0.2	<0.5	<5	7	50	420	<2	4	8.94	9.37	<0.5	<0.5	6	8	44	63	12	12	1.41	1.82	<10	0.21	1.56
	<2um	4	1	2.54	5.67	<0.2	<0.5	<5	10	120	470	<2	2	9.79	8.71	<0.5	<0.5	15	14	86	102	24	25	3.21	3.28	<10	0.52	1.87
	<5.6mm	1	1	0.78	5.01	<0.2	<0.5	<5	5	30	460	<2	4	8.31	9.42	<0.5	<0.5	7	8	122	171	10	11	1.49	2.02	<10	0.16	1.59
	Table Lights	<1	<1	0.42	4.80	<0.2	<0.5	5	6	10	420	<2	<2	6.56	6.90	<0.5	<0.5	4	5	114	166	5	5	0.80	1.03	<10	0.06	1.41
	MI Lights	<1	1	0.53	4.23	<0.2	<0.5	5	12	10	270	2	2	9.03	9.71	<0.5	<0.5	5	9	55	112	10	10	1.67	2.85	<10	0.05	0.98
	Mag	<24		0.70		<0.5					360		10		0.59		2.5		5		1100		5		>25		<.01	
	HMC	<14				<5			46	<100						<23		120		520					29			
1179	2-5.6mm	<1	1	0.76	4.54	<0.2	<0.5	5	6	10	390	2	4	13.85	14.21	<0.5	<0.5	8	9	57	98	11	14	1.47	1.89	<10	0.09	1.46
Unox	250um-2mm	<1	<1	0.66	4.86	<0.2	<0.5	<5	7	20	390	2	2	8.81	9.22	<0.5	<0.5	5	9	288	358	9	11	1.13	1.45	<10	0.12	1.34
	63-250um	<1	<1	0.34	5.06	<0.2	<0.5	5	5	10	450	<2	<2	4.89	5.30	<0.5	<0.5	4	4	189	197	7	7	0.82	1.22	<10	0.06	1.43
	<63um	<1	1	1.14	4.87	<0.2	<0.5	<5	5	60	440	<2	<2	9.17	9.76	<0.5	<0.5	6	9	40	60	11	13	1.49	1.92	<10	0.24	1.65
	<2um	1	<1	2.65	6.26	<0.2	<0.5	<5	9	130	510	2	4	10.47	9.82	<0.5	<0.5	15	15	94	113	26	29	3.35	3.56	<10	0.54	2.03
	<5.6mm	1	2	0.80	4.92	<0.2	<0.5	<5	4	40	450	<2	4	8.15	8.97	<0.5	<0.5	7	8	135	178	12	13	1.27	1.72	<10	0.17	1.55
	Table Lights	<1	<1	0.42	4.92	<0.2	<0.5	<5	7	10	430	<2	<2	6.16	6.68	<0.5	<0.5	4	5	126	188	5	6	0.78	1.00	<10	0.06	1.45
	MI Lights	<1	<1	0.47	4.15	<0.2	<0.5	<5	9	10	230	4	4	8.39	9.85	<0.5	<0.5	4	10	50	118	10	8	1.30	2.83	<10	0.05	0.88
	Mag	<24		0.60		<0.5					390		10		0.54		2.5		5		1260		5		>25		<.01	
	HMC	25				<5			43	<100						<21		110		560					28			
1180	2-5.6mm	2	1	1.38	7.07	0.2	<0.5	5	11	20	440	2	2	3.51	4.29	<0.5	<0.5	11	15	130	184	31	34	3.32	3.86	<10	0.17	1.41
Unox	250um-2mm	3	3	1.06	6.56	0.2	<0.5	10	15	20	360	<2	<2	2.94	3.61	<0.5	<0.5	8	8	217	248	22	24	2.37	2.71	<10	0.17	1.28
	63-250um	1	5	0.69	6.00	0.2	<0.5	10	11	30	370	<2	<2	1.20	2.06	<0.5	<0.5	5	5	193	201	12	11	1.73	1.88	<10	0.24	1.17
	<63um	2	3	1.36	6.79	<0.2	<0.5	15	16	60	420	<2	<2	2.25	3.07	<0.5	<0.5	12	10	50	68	21	21	2.96	2.96	10	0.41	1.57
	<2um	5	14	3.25	6.12	<0.2	<0.5	15	20	140	430	<2	2	3.03	2.45	<0.5	<0.5	33	19	101	91	42	27	4.98	3.30	20	0.95	1.62
	<5.6mm	3	5	1.19	6.67	<0.2	<0.5	20	12	40	420	<2	<2	2.88	3.74	<0.5	<0.5	11	11	206	260	20	21	2.68	2.91	<10	0.29	1.47
	Table Lights	1	3	0.78	6.01	<0.2	<0.5	10	11	20	330	<2	<2	2.10	2.87	<0.5	<0.5	7	6	151	205	16	15	1.83	1.90	<10	0.13	1.19
	MI Lights	4	3	0.82	5.43	<0.2	<0.5	5	22	20	250	<2	<2	2.23	3.43	<0.5	<0.5	8	11	73	107	26	23	2.73	3.36	<10	0.09	0.87
	Mag	<12		1.10		<0.5					260		10		0.67		2.5		5		380		5		>25		0.07	
	HMC	500				<5			1830		190					<22		260		410					29			
1181	2-5.6mm	4	3	1.41	7.00	0.4	<0.5	15	15	20	450	<2	2	2.85	3.26	<0.5	<0.5	14	13	104	131	34	34	3.19	3.68	<10	0.14	1.50
Unox	250um-2mm	6	10	1.01	6.13	<0.2	<0.5	5	16	20	380	<2	<2	2.47	3.07	<0.5	<0.5	9	9	169	215	23	23	2.16	2.59	<10	0.11	1.34
	63-250um	3	4	0.87	5.62	0.2	<0.5	20	16	30	410	<2	<2	1.71	2.19	<0.5	<0.5	8	8	247	251	17	15	1.95	2.08	<10	0.16	1.30
	<63um	5	5	1.56	6.60	<0.2	<0.5	15	17	50	460	<2	<2	2.66	3.29	<0.5	<0.5	14	14	61	92	30	31	3.05	3.29	10	0.25	1.66
	<2um	5	<1	3.12	8.35	<0.2	<0.5	10	19	110	590	2	2	4.07	4.37	0.5	0.5	28	25	118	165	56	58	4.58	4.77	10	0.52	2.21
	<5.6mm	3	4	1.26	6.38	<0.2	<0.5	20	19	40	430	<2	2	2.54	3.13	<0.5	<0.5	11	11	134	169	25	25	2.60	2.93	<10	0.19	1.49
	Table Lights	<1	<1	0.80	5.89	<0.2	<0.5	<5	11	20	380	<2	<2	1.76	2.60	<0.5	<0.5	7	8	144	210	17	18	1.70	2.04	<10	0.09	1.37
	MI Lights	3	2	0.91	5.51	<0.2	<0.5	10	19	10	250	<2	2	2.29	4.23	<0.5	<0.5	10	15	70	139	33	33	2.53	4.17	<10	0.06	0.84
	Mag	<12		1.00		<0.5					380		10		0.68		2.5		5		450		5		>25		0.06	
	HMC	350				<5			2530		160					<10		340		340					30			

		La	MgP	MgT	MnP	MnT	MoP	MoT	NaP	NaT	NiP	NiT	PP	PT	PbP	PbT	Sb	Sc	SrP	SrT	TiP	TiT	VP	VT	WP	WT	ZnP	ZnT
		ppm	%	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
1178	2-5.6mm	<10	2.03	2.50	294	402	<1	<1	0.02	1.67	13	15	310	400	<2	8	5	3	87	248	0.10	0.21	25	43	<5	<10	24	32
	250um-2mm	<10	1.26	1.45	182	232	<1	1	0.05	1.88	11	14	220	230	<2	4	<5	2	65	262	0.07	0.12	19	26	5	<10	19	24
	63-250um	<10	0.66	0.86	111	198	<1	<1	0.04	2.03	8	11	270	250	<2	8	<5	1	37	284	0.05	0.12	16	23	<5	<10	9	17
	<63um	<10	2.56	2.71	266	351	<1	<1	0.04	1.56	16	19	430	490	2	10	<5	4	68	243	0.10	0.19	29	40	<5	<10	27	34
	<2um	<10	2.31	2.20	560	563	1	<1	0.49	1.71	35	41	2850	2900	14	12	<5	8	85	206	0.17	0.27	56	69	5	<10	77	75
	<5.6mm	<10	1.99	2.35	225	329	<1	<1	0.04	1.77	14	16	340	470	4	8	<5	3	64	266	0.08	0.20	25	38	<5	<10	23	35
	Table Lights	<10	1.03	1.12	130	182	<1	1	0.03	1.99	8	9	230	240	2	8	<5	1	47	278	0.06	0.09	13	20	5	<10	11	17
	MI Lights	<10	1.42	1.93	228	527	<1	<1	0.03	1.62	8	19	840	880	<2	8	<5	3	65	259	0.11	0.29	34	67	<5	<10	20	35
	Mag			0.31		1590		5		0.22		74				<2				40		1.11		1190		100		156
	HMC	500						5		<0.31		110					0.7	70								<17		300
1179	2-5.6mm	<10	2.15	2.58	269	355	<1	<1	0.02	1.61	13	15	330	380	4	6	5	3	86	243	0.10	0.20	25	43	<5	<10	23	32
	250um-2mm	<10	1.22	1.45	178	235	<1	<1	0.05	1.93	11	15	220	250	<2	6	<5	2	65	270	0.07	0.13	20	28	10	<10	18	24
	63-250um	<10	0.69	0.90	111	199	<1	<1	0.04	2.04	7	10	290	270	6	8	<5	1	37	287	0.05	0.12	16	23	<5	<10	10	19
	<63um	<10	2.65	2.85	282	369	<1	1	0.04	1.61	12	19	430	460	2	12	<5	4	71	252	0.11	0.20	30	43	<5	<10	28	35
	<2um	<10	2.39	2.39	599	629	<1	<1	0.48	1.84	35	42	2770	2960	8	14	<5	9	93	226	0.18	0.30	58	75	<5	<10	78	81
	<5.6mm	<10	1.96	2.26	225	316	1	<1	0.04	1.73	13	13	340	430	4	6	<5	3	63	260	0.08	0.19	25	36	<5	<10	23	31
	Table Lights	<10	0.96	1.06	126	173	<1	<1	0.03	2.04	7	9	210	200	<2	10	<5	1	44	278	0.05	0.08	12	19	5	<10	11	17
	MI Lights	<10	1.39	2.18	212	561	<1	<1	0.03	1.55	7	23	1000	1080	2	8	<5	3	60	256	0.10	0.30	27	71	<5	<10	27	38
	Mag			0.29		1420		20		0.23		84				<2				29		1.10		1210		50		154
	HMC	544						<2		<0.28		50					1.1	75								<16		220
1180	2-5.6mm	<10	1.42	1.72	463	575	<1	1	0.03	2.52	35	30	420	400	<2	6	<5	4	62	252	0.10	0.28	36	74	<5	<10	53	61
	250um-2mm	<10	1.00	1.17	326	392	2	2	0.05	2.57	23	25	310	290	<2	8	<5	3	50	240	0.08	0.19	29	49	<5	<10	38	45
	63-250um	10	0.47	0.55	209	254	1	1	0.06	2.53	13	14	220	200	10	8	<5	2	24	217	0.07	0.15	22	28	<5	<10	32	35
	<63um	20	1.09	1.08	388	412	2	<1	0.08	2.59	26	27	500	480	6	14	<5	4	49	223	0.13	0.21	34	50	5	10	59	58
	<2um	50	1.97	1.28	710	476	1	1	0.58	1.98	57	41	3030	2200	32	24	5	9	68	150	0.20	0.20	63	62	5	10	135	86
	<5.6mm	10	1.09	1.20	353	407	1	1	0.07	2.51	26	22	340	410	8	8	<5	4	49	230	0.10	0.22	31	49	<5	<10	46	51
	Table Lights	10	0.76	0.80	248	279	3	1	0.04	2.51	16	18	250	240	2	10	<5	2	36	224	0.06	0.13	18	33	5	<10	32	34
	MI Lights	10	0.86	1.15	282	467	1	<1	0.04	2.18	19	26	610	580	2	8	<5	3	39	219	0.10	0.25	34	65	<5	<10	33	43
	Mag			0.48		1640		20		0.34		141				<2				34		0.89		690		300		126
	HMC	160						8		<0.21		100					31.6	53								110		<200
1181	2-5.6mm	<10	1.33	1.53	446	520	<1	<1	0.03	2.46	35	31	450	390	4	8	5	4	60	252	0.10	0.26	37	71	<5	<10	55	62
	250um-2mm	<10	0.94	1.15	289	376	<1	<1	0.04	2.29	22	26	300	300	4	8	<5	3	42	230	0.08	0.19	28	52	<5	<10	36	42
	63-250um	10	0.64	0.73	238	289	<1	1	0.06	2.21	19	20	280	240	8	8	<5	3	37	227	0.09	0.17	28	38	<5	<10	30	32
	<63um	20	1.23	1.34	395	462	1	2	0.07	2.28	31	36	450	440	2	12	<5	5	61	232	0.12	0.21	39	66	<5	10	53	57
	<2um	20	2.03	2.07	633	665	<1	<1	0.48	2.47	61	67	2680	2780	14	18	5	9	78	219	0.15	0.25	66	104	5	10	104	104
	<5.6mm	10	1.05	1.22	342	426	1	<1	0.05	2.28	30	25	330	380	10	6	<5	4	52	232	0.10	0.22	35	57	<5	<10	42	49
	Table Lights	10	0.71	0.87	231	302	1	<1	0.03	2.33	19	21	250	270	4	10	<5	2	34	238	0.07	0.14	19	41	5	<10	29	34
	MI Lights	20	0.94	1.66	316	683	1	<1	0.03	1.90	21	35	720	780	2	6	<5	3	47	253	0.11	0.35	34	98	<5	<10	33	55
	Mag			0.40		1280		5		0.36		107				<2				33		1.94		870		100		186
	HMC	170						8		0.26		180					30.3	45								92		<200

#		Au#1 ppb	Au#2 ppb	AlP %	AlT %	AgP ppm	AgT ppm	Asicp	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
1182	2-5.6mm	2	2	1.64	6.73	0.4	<0.5	10	17	30	450	4	2	3.41	3.68	<0.5	<0.5	15	15	152	153	35	36	3.49	3.99	<10	0.18	1.50
Unox	250um-2mm	4	3	0.86	6.13	<0.2	<0.5	10	14	20	410	<2	2	3.18	3.99	<0.5	<0.5	8	8	144	195	21	24	1.91	2.52	<10	0.09	1.48
	63-250um	1	2	0.41	5.03	<0.2	<0.5	10	10	10	440	<2	<2	2.44	2.95	<0.5	<0.5	4	4	161	182	10	9	1.03	1.33	<10	0.06	1.35
	<63um	3	16	0.86	5.73	<0.2	<0.5	5	12	30	490	<2	4	5.98	7.64	<0.5	<0.5	9	12	51	90	18	24	2.00	2.83	<10	0.10	1.68
	<2um	2	4	2.29	6.29	<0.2	<0.5	15	17	90	510	2	4	11.06	11.01	<0.5	0.5	22	23	126	172	54	57	4.08	4.37	<10	0.30	1.78
	<5.6mm	1	3	0.79	5.56	<0.2	<0.5	10	10	20	430	<2	2	3.79	4.52	<0.5	<0.5	8	10	117	159	18	20	1.85	2.32	<10	0.10	1.42
	Table Lights	4	1	0.63	5.08	<0.2	<0.5	<5	10	10	370	<2	<2	2.69	3.20	<0.5	<0.5	6	6	135	176	14	13	1.36	1.54	<10	0.06	1.29
	MI Lights	92	14	0.76	4.90	<0.2	<0.5	45	43	10	250	2	2	3.65	5.42	<0.5	<0.5	12	16	76	154	28	27	3.83	5.84	<10	0.05	0.86
	Mag	30		0.90		<0.5					400		10		0.54		2.5		5		850		5		>25		0.03	
	HMC*	400				<5			1790		<100						<10		230		510							
1183	2-5.6mm	2	2	1.40	6.33	0.2	<0.5	15	12	20	410	<2	2	3.60	3.84	<0.5	<0.5	11	14	101	115	36	35	3.31	3.79	<10	0.12	1.40
Unox	250um-2mm	8	6	0.88	5.65	<0.2	<0.5	25	27	20	380	2	<2	3.29	3.69	<0.5	<0.5	8	8	215	261	23	23	2.00	2.34	<10	0.09	1.36
	63-250um	2	5	0.43	4.66	<0.2	<0.5	15	12	10	420	<2	<2	2.61	2.84	<0.5	<0.5	4	4	173	177	10	9	1.04	1.22	<10	0.06	1.28
	<63um	2	2	0.88	5.07	<0.2	<0.5	5	10	30	430	<2	4	7.11	8.00	<0.5	<0.5	7	11	41	69	17	18	1.79	2.31	<10	0.10	1.53
	<2um	2	3	2.26	6.18	<0.2	<0.5	15	16	90	470	2	4	12.13	12.17	<0.5	0.5	22	23	107	155	52	60	3.89	4.43	<10	0.29	1.74
	<5.6mm	2	4	0.82	5.45	<0.2	<0.5	<5	9	30	450	<2	4	5.32	5.77	<0.5	<0.5	8	10	109	146	19	21	1.91	2.34	<10	0.11	1.53
	Table Lights	<1	2	0.63	5.06	<0.2	<0.5	10	9	10	370	<2	<2	2.87	3.29	<0.5	<0.5	5	6	170	205	15	14	1.43	1.57	<10	0.05	1.32
	MI Lights	5	8	0.73	4.69	<0.2	<0.5	10	23	10	230	<2	4	4.51	6.19	<0.5	<0.5	8	13	72	145	26	27	2.50	4.10	<10	0.05	0.79
	Mag	<12		1.00		<0.5					500		10		0.77		2.5		5		740		40		>25		0.07	
	HMC*	998				<5			2990		<100						<10		250		490							
1184	2-5.6mm	8	9	1.52	6.49	<0.2	<0.5	25	19	30	440	<2	2	5.07	4.90	<0.5	<0.5	13	15	130	170	32	33	3.27	3.63	<10	0.14	1.46
Unox	250um-2mm	4	5	0.87	5.59	<0.2	<0.5	25	20	20	390	2	<2	4.12	4.46	<0.5	<0.5	7	7	179	224	17	18	1.91	2.24	<10	0.09	1.37
	63-250um	3	2	0.49	4.91	<0.2	<0.5	15	17	20	460	<2	<2	3.34	3.59	<0.5	<0.5	6	7	155	151	12	11	1.23	1.45	<10	0.07	1.33
	<63um	5	6	0.78	5.02	<0.2	<0.5	15	15	30	440	<2	2	6.42	7.27	<0.5	<0.5	7	9	41	69	15	17	1.70	2.17	<10	0.10	1.51
	<2um	8	6	2.45	6.26	<0.2	<0.5	5	20	100	500	<2	6	11.96	11.52	0.5	0.5	24	23	124	167	47	48	4.07	4.25	<10	0.32	1.78
	<5.6mm	3	3	0.88	5.44	<0.2	<0.5	10	16	30	440	<2	2	5.85	6.14	<0.5	<0.5	9	10	95	134	17	19	1.87	2.22	<10	0.12	1.51
	Table Lights	<1	2	0.64	4.97	<0.2	<0.5	5	12	10	370	<2	<2	3.37	3.72	<0.5	<0.5	5	6	149	177	19	12	1.48	1.60	<10	0.05	1.28
	MI Lights	7	6	0.75	4.72	<0.2	<0.5	20	27	10	260	2	2	4.56	5.70	<0.5	<0.5	7	12	54	107	25	23	2.32	3.44	<10	0.05	0.91
	Mag	<12		0.80		<0.5					410		10		0.48		2.5		5		780		5		>25		0.02	
	HMC	882				<5			3444		<100						<26		270		580							
1185	2-5.6mm	6	6	1.69	6.57	<0.2	<0.5	40	45	20	420	<2	4	4.45	4.16	<0.5	<0.5	15	15	123	158	36	34	3.78	3.98	<10	0.10	1.36
Unox	250um-2mm	8	6	1.11	5.63	<0.2	<0.5	50	33	20	370	2	<2	4.33	4.21	<0.5	<0.5	9	7	207	244	37	28	2.54	2.66	<10	0.10	1.25
	63-250um	23	13	0.60	4.82	<0.2	<0.5	30	41	20	420	2	<2	3.53	3.54	<0.5	<0.5	5	8	160	141	14	13	1.45	1.61	<10	0.07	1.22
	<63um	27	12	1.00	4.95	<0.2	<0.5	25	35	30	410	10	<2	7.66	7.02	<0.5	<0.5	12	10	53	84	20	21	2.25	2.32	<10	0.11	1.39
	<2um	6	14	2.67	6.23	<0.2	<0.5	25	35	90	490	2	4	11.44	10.57	0.5	0.5	29	26	161	210	52	52	4.44	4.48	<10	0.28	1.67
	<5.6mm	54	15	0.96	5.36	<0.2	<0.5	30	30	30	420	<2	4	5.48	5.87	<0.5	<0.5	9	11	118	157	21	25	2.04	2.42	<10	0.12	1.37
	Table Lights	4	6	0.82	5.14	<0.2	<0.5	25	23	20	360	2	<2	3.38	3.78	<0.5	<0.5	7	6	169	192	17	17	1.84	1.97	<10	0.06	1.22
	MI Lights	123	304	0.81	4.51	<0.2	<0.5	40	46	10	230	2	<2	4.55	5.66	<0.5	<0.5	9	13	83	145	29	26	2.24	3.32	<10	0.05	0.78
	Mag	18		0.80		<0.5					500		10		0.52		2.5		5		1130		50		>25		0.01	
	HMC**	2750				<5			5730		200						<21		290		530							

		La ppm	MgP %	MgT %	MnP ppm	MnT ppm	MoP ppm	MoT ppm	NaP %	NaT %	NiP ppm	NiT ppm	PP ppm	PT ppm	PbP ppm	PbT ppm	Sb ppm	Sc ppm	SrP ppm	SrT ppm	TiP %	TiT %	VP ppm	VT ppm	WP ppm	WT ppm	ZnP ppm	ZnT ppm
1182	2-5.6mm	<10	1.49	1.69	453	527	<1	<1	0.04	2.18	42	33	440	390	4	6	<5	5	70	251	0.12	0.27	43	78	<5	<10	55	61
	250um-2mm	<10	0.88	1.16	271	378	<1	<1	0.03	2.22	19	23	270	290	<2	8	<5	2	43	248	0.06	0.19	24	50	<5	<10	29	38
	63-250um	<10	0.44	0.58	128	208	<1	<1	0.04	2.02	10	11	240	210	4	8	5	1	30	248	0.05	0.13	17	24	<5	<10	14	17
	<63um	<10	1.80	2.26	293	455	1	1	0.03	2.05	19	28	450	570	4	12	<5	3	63	276	0.08	0.24	28	57	<5	10	27	41
	<2um	<10	2.30	2.38	680	722	3	1	0.47	1.74	55	64	3600	3660	20	22	5	8	100	211	0.12	0.25	54	89	5	10	85	87
	<5.6mm	<10	1.06	1.30	245	338	3	2	0.03	2.03	20	19	310	370	2	6	<5	2	47	248	0.07	0.20	25	43	<5	<10	25	34
	Table Lights	<10	0.69	0.77	193	242	1	<1	0.03	2.03	13	16	240	230	4	10	<5	2	35	230	0.05	0.12	17	31	<5	<10	22	24
	MI Lights	<10	0.95	1.68	292	823	<1	<1	0.03	1.65	19	36	780	860	<2	8	<5	3	47	244	0.11	0.52	56	120	<5	10	30	58
	Mag			0.31		1000		5		0.34		70								34		1.53		990		50		180
	HMC	240						8		<0.16		160						13.0	52							<12		<200
1183	2-5.6mm	<10	1.38	1.59	437	518	<1	<1	0.03	2.14	34	28	430	390	4	4	5	4	66	227	0.10	0.27	41	74	<5	<10	50	59
	250um-2mm	<10	0.87	1.03	271	340	<1	1	0.04	2.06	21	22	280	260	2	8	<5	2	43	223	0.06	0.17	26	46	<5	<10	30	36
	63-250um	<10	0.47	0.55	136	190	1	1	0.04	1.86	9	10	240	210	2	8	<5	1	30	226	0.05	0.12	16	22	<5	<10	13	16
	<63um	<10	2.04	2.27	298	406	<1	<1	0.03	1.77	18	23	430	480	2	10	<5	4	62	238	0.08	0.21	26	49	<5	<10	26	34
	<2um	<10	2.22	2.38	717	799	2	<1	0.43	1.61	48	58	3000	3350	14	14	5	8	94	196	0.12	0.24	53	90	5	10	77	85
	<5.6mm	<10	1.42	1.62	283	366	1	1	0.03	1.94	18	18	350	400	4	6	<5	3	54	239	0.07	0.21	26	45	<5	<10	26	34
	Table Lights	<10	0.72	0.78	198	244	1	1	0.03	2.03	14	15	270	240	2	10	<5	2	36	225	0.06	0.12	18	30	5	<10	21	24
	MI Lights	<10	1.01	1.72	296	692	<1	<1	0.03	1.64	14	29	860	910	<2	8	<5	3	52	232	0.10	0.37	36	91	<5	<10	26	50
	Mag			0.42		1170		5		0.38		67								40		1.97		960		50		170
	HMC	270						8		<0.18		170						16.0	53							20		220
1184	2-5.6mm	<10	1.57	1.72	448	499	<1	1	0.03	2.22	37	30	450	410	2	6	<5	5	76	245	0.10	0.25	41	72	<5	<10	50	58
	250um-2mm	<10	0.96	1.11	269	331	1	2	0.03	2.07	19	21	290	270	<2	8	<5	2	48	238	0.06	0.16	24	42	<5	<10	28	32
	63-250um	<10	0.65	0.76	163	222	2	1	0.03	1.92	12	12	280	230	4	8	<5	2	34	245	0.05	0.13	17	25	<5	<10	16	21
	<63um	<10	1.90	2.12	270	368	1	1	0.02	1.79	16	22	450	490	4	10	<5	3	58	245	0.07	0.20	24	44	<5	<10	25	33
	<2um	<10	2.38	2.41	698	721	3	<1	0.43	1.60	56	63	3070	3330	16	16	5	8	97	199	0.11	0.23	54	89	5	10	86	86
	<5.6mm	<10	1.50	1.65	287	355	2	2	0.03	1.91	20	17	350	390	2	8	<5	3	61	246	0.07	0.20	26	43	<5	<10	29	37
	Table Lights	<10	0.78	0.84	207	250	2	1	0.03	1.95	14	16	260	250	4	10	<5	2	39	231	0.06	0.11	17	30	5	<10	23	24
	MI Lights	<10	1.11	1.62	306	582	1	<1	0.03	1.67	15	27	840	840	<2	6	<5	3	54	231	0.09	0.30	29	72	<5	10	27	45
	Mag			0.27		900		5		0.29		63								28		1.30		910		50		154
	HMC	320						<5		<0.28		165						23.4	57							32		225
1185	2-5.6mm	<10	1.61	1.67	488	509	2	<1	0.03	2.31	42	31	510	430	14	8	5	5	85	256	0.10	0.24	44	73	<5	<10	56	60
	250um-2mm	<10	1.19	1.25	349	381	3	4	0.04	2.14	26	26	360	300	4	8	<5	3	66	252	0.07	0.17	29	48	<5	<10	41	39
	63-250um	<10	0.79	0.86	189	236	2	1	0.04	1.95	17	16	330	270	<2	6	5	2	41	247	0.05	0.14	19	27	<5	<10	20	23
	<63um	<10	2.22	2.18	340	375	1	1	0.03	1.79	24	26	540	480	<2	10	<5	4	69	241	0.07	0.18	28	48	<5	<10	34	36
	<2um	<10	2.64	2.53	711	708	3	<1	0.38	1.64	68	71	2690	2860	12	16	10	8	112	206	0.08	0.19	57	96	10	<10	91	87
	<5.6mm	<10	1.52	1.69	299	365	2	2	0.03	1.96	24	20	340	420	6	10	<5	3	66	254	0.06	0.20	26	45	<5	<10	30	41
	Table Lights	<10	0.91	0.99	251	296	2	2	0.03	2.08	18	20	290	300	2	8	<5	2	50	247	0.06	0.13	21	36	5	<10	27	31
	MI Lights	<10	1.13	1.68	312	580	1	<1	0.03	1.63	18	29	850	880	4	10	<5	3	59	228	0.08	0.26	27	69	<5	<10	34	51
	Mag			0.29		1040		90		0.32		148								31		1.07		830		50		152
	HMC	250						6		<0.18		220						23.8	43							15		290

#		Au#1 ppb	Au#2 ppb	ALP %	ALT %	AgP ppm	AgT ppm	Asicp ppm	Asaa ppm	BaP ppm	BaT ppm	BiP ppm	BiT ppm	CaP %	CaT %	CdP ppm	CdT ppm	CoP ppm	CoT ppm	CrP ppm	CrT ppm	CuP ppm	CuT ppm	FeP %	FeT %	GaP ppm	KP %	KT %
1232	2-5.6mm	2	2	1.16	6.05	<0.2	<0.5	5	11	20	430	<2	2	8.38	8.52	<0.5	<0.5	10	13	96	150	23	28	2.26	2.93	<10	0.12	1.64
Unox	250um-2mm	<1	<1	0.87	5.61	<0.2	<0.5	5	9	20	400	<2	4	7.31	7.21	<0.5	<0.5	7	6	195	239	17	17	1.64	1.95	<10	0.12	1.48
	63-250um	<1	2	0.50	5.34	<0.2	<0.5	<5	10	20	510	<2	<2	4.30	4.76	<0.5	<0.5	5	8	249	217	14	15	1.10	1.48	<10	0.09	1.48
	<63um	2	3	1.13	5.06	<0.2	<0.5	<5	11	50	440	8	6	9.80	9.27	<0.5	<0.5	10	10	51	94	34	37	1.95	2.19	<10	0.20	1.64
	<2um	2	4	2.49	6.30	<0.2	<0.5	10	14	110	490	2	4	9.39	9.41	<0.5	0.5	18	16	113	193	78	82	3.55	3.93	<10	0.45	1.95
	<5.6mm	1	2	0.98	5.35	<0.2	<0.5	<5	6	40	450	<2	2	7.71	8.42	<0.5	<0.5	9	11	89	139	26	30	1.64	2.11	<10	0.18	1.60
	Table Lights	<1	<1	0.71	5.04	<0.2	<0.5	<5	7	10	390	2	2	6.04	6.12	<0.5	<0.5	6	7	149	148	14	13	1.37	1.53	<10	0.08	1.39
	MI Lights	<1	<1	0.75	4.65	<0.2	<0.5	5	10	10	250	4	4	6.76	8.07	<0.5	<0.5	7	11	94	185	14	14	1.48	2.95	<10	0.08	0.91
	Mag	<24			0.50		<0.5				360		10		0.43		2.5		5		1500			20		>25		<.01
	HMC	3560					<5		1660		<100						<27		240		630							
1239	2-5.6mm	1	1	1.62	7.68	0.2	<0.5	10	10	30	510	<2	<2	1.80	2.73	<0.5	<0.5	15	14	117	148	31	34	3.08	3.80	<10	0.17	1.59
Unox	250um-2mm	<1	<1	1.36	7.19	0.2	<0.5	<5	7	40	450	<2	<2	1.74	2.92	<0.5	<0.5	10	10	226	269	26	27	2.53	3.32	<10	0.21	1.49
	63-250um	<1	<1	0.70	5.53	0.2	<0.5	<5	5	30	480	<2	<2	1.23	2.00	<0.5	<0.5	5	7	123	103	13	12	1.31	1.67	<10	0.12	1.35
	<63um	2	12	1.40	5.94	<0.2	<0.5	10	10	80	510	2	2	3.80	3.96	<0.5	<0.5	15	12	60	80	34	32	2.44	2.82	10	0.21	1.60
	<2um	3	4	3.46	7.40	<0.2	<0.5	5	16	140	640	<2	2	5.02	5.02	<0.5	0.5	33	30	145	174	112	113	5.35	5.40	10	0.46	2.02
	<5.6mm	1	2	1.20	6.37	<0.2	<0.5	5	5	60	500	<2	2	2.57	3.54	<0.5	<0.5	11	13	152	190	27	30	2.14	2.78	<10	0.20	1.59
	Table Lights	<1	<1	0.89	5.92	<0.2	<0.5	<5	10	30	400	2	<2	1.34	2.38	<0.5	<0.5	7	8	153	173	16	15	1.68	2.17	<10	0.11	1.34
	MI Lights	3	<1	0.92	5.32	<0.2	<0.5	5	9	20	210	4	<2	2.14	4.76	<0.5	<0.5	8	17	85	197	13	9	1.77	4.92	<10	0.08	0.75
	Mag	<12			1.00		<0.5				660		10		0.94		2.5		5		870			5		>25		<.01
	HMC	160					<5		74		<100						<10		87		540							
1301	2-5.6mm	3	3	0.95	8.24	<0.2	<0.5	5	11	40	640	<2	<2	1.85	1.78	<0.5	<0.5	8	8	85	101	13	14	2.42	2.84	<10	0.19	1.55
Unox	250um-2mm	2	2	1.08	7.81	<0.2	<0.5	5	9	70	590	2	<2	1.99	2.03	<0.5	<0.5	9	10	144	160	17	17	2.30	2.65	<10	0.25	1.52
	63-250um	5	9	0.73	6.27	<0.2	<0.5	10	9	30	580	<2	<2	1.29	1.84	<0.5	<0.5	9	11	156	164	22	22	1.67	2.05	<10	0.12	1.47
	<63um	30	33	1.34	6.07	<0.2	<0.5	30	38	70	580	4	<2	2.35	2.71	<0.5	<0.5	24	18	42	62	83	83	2.72	3.03	10	0.18	1.74
	<2um	34	41	3.71	7.88	<0.2	<0.5	85	120	170	640	<2	6	2.75	2.96	0.5	0.5	61	59	102	131	339	341	6.35	6.62	20	0.48	2.05
	<5.6mm	596	16	1.20	6.98	<0.2	<0.5	15	19	80	610	<2	<2	1.94	2.40	<0.5	<0.5	14	16	102	127	52	57	2.33	2.80	<10	0.23	1.65
	Table Lights	7	12	0.85	6.60	<0.2	<0.5	<5	14	40	520	<2	<2	1.49	1.84	<0.5	<0.5	8	9	123	135	19	16	1.79	1.99	<10	0.15	1.41
	MI Lights	18	12	0.98	6.03	<0.2	<0.5	10	14	40	430	2	2	2.78	3.61	<0.5	<0.5	10	11	80	118	19	17	2.56	3.28	<10	0.13	1.25
	Mag	<12			1.70		<0.5				320		10		0.45		2.5		5		630			5		>25		0.15
	HMC	3110					<5		120		200						<25		100		510							
1302	2-5.6mm	<1	<1	0.58	8.69	<0.2	<0.5	10	12	40	560	<2	<2	0.65	0.63	<0.5	<0.5	5	6	42	44	8	8	1.22	1.44	<10	0.10	1.11
Unox	250um-2mm	1	11	0.66	8.38	<0.2	<0.5	15	10	50	530	<2	<2	0.66	0.73	<0.5	<0.5	6	7	82	92	11	11	1.39	1.63	<10	0.14	1.10
	63-250um	5	7	0.70	7.05	<0.2	<0.5	20	22	40	580	<2	<2	0.99	1.31	<0.5	<0.5	11	11	164	178	26	26	1.68	1.94	<10	0.12	1.24
	<63um	32	15	1.09	6.41	<0.2	<0.5	60	60	70	610	4	4	3.30	3.46	<0.5	0.5	23	19	29	45	77	77	2.68	3.05	10	0.15	1.61
	<2um	33	46	2.89	7.87	<0.2	<0.5	145	170	180	800	<2	4	2.53	2.69	1.0	1.0	59	57	81	98	320	312	6.48	6.66	20	0.40	1.97
	<5.6mm	11	12	0.97	7.86	<0.2	<0.5	35	27	90	590	<2	<2	1.70	1.86	<0.5	<0.5	13	12	111	119	41	43	1.98	2.19	<10	0.21	1.32
	Table Lights	23	9	0.66	7.34	<0.2	<0.5	10	15	50	500	<2	<2	0.73	0.89	<0.5	<0.5	7	6	105	106	16	14	1.40	1.49	<10	0.11	1.11
	MI Lights	3	16	0.70	7.02	<0.2	<0.5	10	20	40	480	4	<2	1.06	1.45	<0.5	<0.5	9	9	48	67	16	14	2.01	2.33	<10	0.10	1.09
	Mag	<6			1.60		<0.5				390		10		0.36		2.5				1270			20		>25		0.16
	HMC	1640					<12		1020		<100						<35		390		240							

		La	MgP	MgT	MnP	MnT	MoP	MoT	NaP	NaT	NiP	NiT	PP	PT	PbP	PbT	Sb	Sc	SrP	SrT	TiP	TiT	VP	VT	WP	WT	ZnP	ZnT
		ppm	%	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm
1232	2-5.6mm	<10	1.80	2.15	382	479	<1	<1	0.03	2.12	24	22	390	390	2	6	<5	4	71	241	0.10	0.24	32	60	<5	<10	36	48
	250um-2mm	<10	1.36	1.51	263	326	2	2	0.04	2.12	19	22	280	270	<2	8	5	3	60	266	0.07	0.16	25	39	<5	<10	26	30
	63-250um	<10	0.70	0.90	154	239	2	2	0.05	2.15	10	14	290	270	4	8	<5	2	39	293	0.06	0.14	20	28	<5	<10	18	24
	<63um	<10	2.64	2.74	341	406	2	3	0.03	1.68	23	26	530	490	6	14	<5	4	70	254	0.10	0.20	32	47	<5	<10	37	42
	<2um	<10	2.43	2.54	570	632	4	3	0.55	1.85	48	58	3520	3850	12	16	5	8	82	211	0.15	0.28	55	79	5	<10	84	89
	<5.6mm	<10	1.92	2.22	293	383	2	3	0.03	1.85	18	19	320	410	2	8	<5	3	65	260	0.08	0.20	27	42	<5	<10	30	40
	Table Lights	<10	1.12	1.17	219	267	1	1	0.03	2.02	14	15	260	250	<2	8	<5	2	52	259	0.07	0.12	20	31	<5	<10	21	24
	MI Lights	<10	1.23	2.09	282	617	1	1	0.05	1.75	14	28	1250	1270	2	8	<5	4	59	256	0.10	0.23	28	74	5	<10	22	52
	Mag			0.23		1320		30		0.26		103				<2				22		1.16		1140		50		340
	HMC	440						11		<0.34		170					9.0	73								64		290
1239	2-5.6mm	10	1.30	1.61	407	533	<1	1	0.04	2.77	40	32	590	480	2	8	<5	6	39	280	0.14	0.36	54	88	<5	<10	51	67
	250um-2mm	10	1.02	1.41	333	482	<1	<1	0.08	2.61	30	35	430	420	<2	6	<5	6	41	278	0.14	0.32	52	80	<5	<10	42	55
	63-250um	10	0.49	0.65	175	262	<1	1	0.05	2.15	15	16	380	290	<2	10	<5	3	31	267	0.08	0.19	28	37	<5	<10	24	28
	<63um	<10	1.53	1.63	380	444	1	<1	0.05	2.02	35	34	690	570	10	12	<5	6	55	268	0.14	0.25	47	64	5	10	45	51
	<2um	10	2.37	2.36	793	804	1	1	0.66	2.10	75	79	3390	3430	20	24	<5	12	70	199	0.19	0.33	82	109	<5	10	127	120
	<5.6mm	10	1.10	1.38	301	424	1	<1	0.06	2.25	29	25	430	500	2	8	<5	5	44	274	0.11	0.28	41	61	<5	<10	38	51
	Table Lights	10	0.69	0.93	223	330	1	<1	0.04	2.31	19	24	360	340	4	10	<5	3	30	255	0.10	0.19	31	52	<5	<10	28	37
	MI Lights	10	0.79	2.41	243	811	<1	<1	0.07	1.72	18	45	1990	1780	<2	6	<5	5	30	206	0.11	0.37	41	142	<5	10	28	80
	Mag			0.39		1450		5		0.40		96		100		<2				47		3.08		1260		50		200
	HMC	250						<2		0.27		120					3.1	86								18		280
1301	2-5.6mm	<10	0.76	0.87	125	149	<1	1	0.03	4.06	16	12	420	320	4	2	<5	2	33	477	0.05	0.22	23	48	<5	<10	20	25
	250um-2mm	<10	0.78	0.89	137	164	<1	<1	0.05	3.68	17	17	390	320	4	4	<5	2	39	428	0.07	0.21	26	51	<5	<10	23	26
	63-250um	10	0.53	0.69	130	193	<1	<1	0.04	2.67	15	16	430	350	2	6	<5	2	29	349	0.07	0.20	24	41	<5	<10	17	25
	<63um	20	1.07	1.22	286	339	<1	<1	0.02	2.06	25	26	650	550	12	12	<5	5	36	280	0.12	0.25	47	63	5	10	32	38
	<2um	60	1.80	1.91	606	643	1	<1	0.90	2.08	63	67	4950	5110	26	26	5	14	46	179	0.17	0.36	97	135	<5	20	97	100
	<5.6mm	10	0.90	1.08	203	262	1	2	0.04	2.80	19	16	400	450	2	8	<5	4	40	354	0.09	0.25	36	55	<5	<10	30	36
	Table Lights	10	0.66	0.72	125	159	<1	1	0.03	3.09	13	14	360	340	<2	8	<5	2	31	372	0.06	0.16	22	42	<5	<10	18	21
	MI Lights	10	0.87	1.26	181	374	1	<1	0.03	2.46	18	22	1210	1120	<2	4	<5	3	45	364	0.10	0.30	35	75	5	10	22	35
	Mag			0.65		510		5		0.46		39		400		<2				63		0.51		420		50		76
	HMC	370						<4		<0.34		73					7.6	75								392		<200
1302	2-5.6mm	10	0.33	0.39	76	80	<1	<1	0.04	5.37	5	4	390	250	2	2	<5	<1	44	527	0.02	0.16	10	22	<5	<10	13	16
	250um-2mm	<10	0.38	0.46	82	97	<1	<1	0.05	5.03	8	6	340	280	<2	2	<5	1	35	483	0.03	0.17	13	27	<5	<10	15	17
	63-250um	10	0.42	0.52	130	169	<1	<1	0.06	3.67	12	13	490	420	2	4	<5	1	38	401	0.05	0.21	19	30	5	<10	18	23
	<63um	10	1.15	1.29	283	329	1	<1	0.04	2.68	18	18	630	570	8	12	<5	4	60	327	0.09	0.23	36	53	10	10	27	35
	<2um	40	1.42	1.52	565	587	3	1	0.89	2.78	49	54	5310	5380	32	38	5	10	77	263	0.11	0.28	80	116	<5	20	82	85
	<5.6mm	10	0.71	0.78	171	195	<1	1	0.08	4.15	12	10	410	420	<2	2	<5	2	57	445	0.06	0.21	24	36	<5	<10	21	27
	Table Lights	10	0.39	0.42	93	109	<1	<1	0.05	4.34	8	8	360	320	<2	4	<5	1	37	433	0.04	0.14	13	26	<5	<10	13	17
	MI Lights	10	0.45	0.60	104	189	<1	<1	0.03	3.87	10	12	920	870	4	2	<5	1	38	418	0.05	0.26	20	41	5	10	16	22
	Mag			0.59		520		30		0.50		44		600		<2				59		0.44		410		>10000		80
	HMC	170						17		<0.34		<55					8.5	36								1330		<200

Whole rock analysis of till fractions.

	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	MnO	BaO	LOI	Total
62 2-5.6mm	55.75	12.36	5.99	2.82	8.80	2.94	1.46	0.49	0.10	0.09	0.05	7.86	98.71
250um-2mm	62.71	11.53	4.51	2.17	7.66	3.05	1.59	0.36	0.27	0.06	0.05	6.55	100.31
63-250um	71.24	10.33	3.00	1.32	5.26	2.94	2.05	0.27	0.05	0.04	0.07	3.47	100.24
<63um	58.68	9.69	3.42	4.06	9.42	2.39	1.95	0.40	0.22	0.07	0.07	10.55	100.92
<2um	50.14	18.10	10.43	3.13	1.61	2.95	2.90	0.78	1.40	0.14	0.06	8.66	100.30
<5.6mm	62.18	10.35	3.83	2.88	7.95	2.73	1.89	0.36	0.14	0.06	0.06	7.73	100.16
96 2-5.6mm	62.42	14.71	5.32	2.62	5.43	3.72	1.36	0.50	0.14	0.07	0.04	2.51	98.84
250um-2mm	65.52	12.91	4.36	2.10	5.65	3.40	1.72	0.37	0.13	0.06	0.04	3.99	100.25
63-250um	73.51	10.17	2.41	1.10	5.03	2.99	2.07	0.22	0.29	0.03	0.07	2.87	100.76
<63um	61.74	9.32	3.08	3.39	8.88	2.52	1.84	0.34	0.22	0.04	0.07	8.69	100.13
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	67.49	11.04	3.39	2.21	6.27	3.04	1.60	0.32	0.19	0.05	0.06	4.92	100.58
98 2-5.6mm	59.40	13.93	4.88	2.36	6.14	3.81	1.41	0.45	0.18	0.07	0.05	9.17	101.85
250um-2mm	62.44	12.81	4.20	2.20	7.50	3.55	1.64	0.39	0.11	0.06	0.05	6.00	100.95
63-250um	69.43	10.13	2.98	1.33	5.81	2.98	1.87	0.27	0.24	0.04	0.06	4.17	99.31
<63um	58.78	10.10	3.71	3.37	10.00	2.66	1.66	0.39	0.20	0.05	0.06	9.43	100.41
<2um	41.48	14.09	7.32	4.52	11.34	3.37	2.23	0.49	1.65	0.10	0.05	13.39	100.03
<5.6mm	62.35	12.19	4.16	2.26	7.01	3.36	1.63	0.39	0.16	0.06	0.05	5.57	99.19
284 2-5.6mm	54.53	12.18	6.14	3.42	8.36	2.50	1.82	0.50	0.13	0.08	0.07	9.17	98.90
250um-2mm	60.46	12.08	5.05	2.67	7.89	2.74	2.12	0.42	0.10	0.07	0.06	7.80	101.46
63-250um	66.88	10.77	3.68	1.86	5.83	2.64	2.30	0.34	0.24	0.06	0.07	5.36	100.03
<63um	54.92	9.74	3.65	4.22	9.72	2.14	2.09	0.40	0.20	0.06	0.07	12.01	99.22
<2um	46.95	17.01	9.23	3.72	3.97	2.75	2.97	0.66	1.22	0.14	0.07	10.76	99.45
<5.6mm	58.11	10.74	4.39	3.17	8.15	2.46	2.12	0.40	0.15	0.07	0.06	9.22	99.04
285 2-5.6mm	63.14	15.41	7.40	2.85	1.48	3.08	2.03	0.64	0.18	0.10	0.07	1.81	98.19
250um-2mm	67.50	14.80	6.11	2.32	1.57	3.21	2.41	0.54	0.17	0.08	0.07	2.38	101.16
63-250um	74.30	11.87	4.09	1.30	2.29	2.93	2.36	0.35	0.30	0.06	0.08	1.54	101.47
<63um	69.77	12.70	4.94	1.59	2.56	2.64	2.52	0.51	0.32	0.08	0.09	3.06	100.78
<2um	46.05	19.11	11.08	3.16	1.29	2.69	3.10	0.66	1.74	0.20	0.08	10.37	99.53
<5.6mm	67.66	13.52	5.64	1.96	1.88	2.97	2.43	0.51	0.21	0.08	0.07	2.69	99.62
607 2-5.6mm	66.66	14.42	5.11	2.06	3.11	3.54	1.68	0.48	0.20	0.08	0.07	1.81	99.22
250um-2mm	71.73	13.15	3.84	1.51	2.88	3.49	1.62	0.37	0.20	0.06	0.07	1.40	100.32
63-250um	77.16	11.10	2.99	0.96	2.71	3.19	2.10	0.30	0.30	0.05	0.07	0.78	101.65
<63um	72.03	11.59	4.12	1.21	3.01	2.89	2.11	0.46	0.36	0.09	0.08	1.85	99.80
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	71.99	12.55	4.21	1.46	2.93	3.30	1.66	0.41	0.22	0.07	0.07	1.42	100.29
608 2-5.6mm	66.21	14.16	5.25	2.04	2.50	3.20	1.47	0.50	0.19	0.10	0.05	2.78	98.45
250um-2mm	69.93	13.04	4.16	1.60	2.57	3.19	1.56	0.46	0.21	0.07	0.06	2.02	98.87
63-250um	76.51	11.20	3.26	1.06	2.67	3.12	1.63	0.35	0.23	0.05	0.06	1.06	101.20
<63um	67.42	12.07	4.78	1.74	3.22	2.69	2.08	0.47	0.30	0.10	0.07	3.18	98.12
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	71.15	12.85	4.60	1.58	2.67	3.18	1.93	0.44	0.25	0.08	0.05	2.07	100.85
609 2-5.6mm	65.97	14.78	4.99	1.96	2.97	3.96	1.51	0.53	0.16	0.07	0.05	1.82	98.77
250um-2mm	65.54	12.61	4.08	2.07	6.15	3.54	1.93	0.39	0.09	0.06	0.06	5.05	101.57
63-250um	74.83	10.97	3.29	1.16	3.62	3.26	1.51	0.36	0.21	0.05	0.07	1.88	101.21
<63um	66.26	11.49	4.41	2.29	5.38	2.86	1.99	0.49	0.32	0.07	0.07	4.83	100.46
<2um	49.43	18.17	9.53	3.38	1.77	3.28	2.93	0.76	1.90	0.23	0.07	8.05	99.50
<5.6mm	73.57	12.31	3.97	1.34	2.62	3.49	1.87	0.42	0.24	0.06	0.06	1.27	101.22
610 2-5.6mm	66.12	14.58	6.45	2.55	2.67	3.41	1.77	0.58	0.19	0.10	0.06	2.43	100.91
250um-2mm	71.58	13.68	4.22	1.55	2.31	3.70	2.27	0.39	0.11	0.06	0.07	1.61	101.55
63-250um	72.17	11.66	5.19	1.34	2.65	3.05	1.55	0.43	0.19	0.06	0.07	1.87	100.23
<63um	61.63	13.44	7.34	1.99	2.83	2.38	1.93	0.58	0.35	0.11	0.07	7.83	100.48
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	68.94	13.72	5.19	1.84	2.74	3.49	2.14	0.47	0.20	0.08	0.07	2.10	100.98

	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	BaO	LOI	Total
617 2-5.6mm	63.87	14.69	6.33	2.74	2.83	3.71	1.27	0.54	0.17	0.10	0.05	2.40	98.70
250um-2mm	68.62	13.44	5.17	2.00	2.55	3.48	1.52	0.44	0.21	0.08	0.06	2.10	99.67
63-250um	76.90	11.51	2.95	1.02	2.39	3.27	1.89	0.30	0.22	0.04	0.07	1.11	101.67
<63um	73.77	11.81	3.42	1.13	2.54	2.97	2.13	0.47	0.19	0.04	0.06	1.94	100.47
<2um	43.07	19.03	12.09	3.04	1.36	2.50	2.00	0.76	1.87	0.10	0.05	13.57	99.44
<5.6mm	73.39	12.02	3.90	1.37	2.48	3.11	1.90	0.41	0.19	0.05	0.07	1.81	100.70
621 2-5.6mm	57.85	12.13	5.40	3.17	8.72	2.98	1.65	0.46	0.12	0.08	0.06	7.94	100.56
250um-2mm	66.07	12.10	4.01	2.03	6.05	3.32	1.62	0.36	0.15	0.05	0.06	4.93	100.75
63-250um	74.71	11.10	3.27	1.14	3.63	3.35	1.41	0.37	0.22	0.05	0.07	1.96	101.28
<63um	66.83	11.65	4.38	2.27	5.04	2.95	2.07	0.51	0.20	0.07	0.05	4.64	100.66
<2um	48.68	16.11	8.91	3.80	5.11	3.05	2.99	0.66	0.99	0.16	0.07	9.25	99.78
<5.6mm	61.45	11.41	4.65	2.56	7.85	2.95	1.81	0.40	0.09	0.07	0.06	6.83	100.13
630 2-5.6mm	63.73	14.81	7.20	3.01	2.25	3.38	1.78	0.65	0.18	0.11	0.08	3.07	100.25
250um-2mm	66.22	13.97	5.57	2.19	2.34	3.52	1.63	0.49	0.27	0.07	0.08	3.08	99.43
63-250um	73.12	12.04	3.95	1.34	2.34	3.29	1.59	0.40	0.24	0.04	0.07	2.12	100.54
<63um	68.66	12.27	3.94	1.39	2.23	2.73	2.08	0.51	0.15	0.04	0.06	3.83	97.89
<2um	43.11	17.83	8.95	2.54	1.41	3.68	2.16	0.88	4.13	0.06	0.06	16.48	101.29
<5.6mm	70.01	12.98	4.69	1.66	2.31	3.09	1.89	0.50	0.17	0.05	0.07	3.48	100.90
635 2-5.6mm	65.85	15.52	6.01	3.01	2.80	3.63	1.31	0.51	0.16	0.08	0.04	2.33	101.25
250um-2mm	65.75	14.09	5.19	2.41	2.72	3.46	1.25	0.43	0.13	0.07	0.05	2.41	97.96
63-250um	72.17	12.97	4.18	1.61	2.70	3.60	1.35	0.38	0.17	0.07	0.06	1.37	100.63
<63um	68.68	13.70	5.33	2.04	2.44	3.04	1.99	0.52	0.22	0.08	0.04	3.00	101.08
<2um	44.81	20.35	10.10	3.60	1.57	3.37	2.62	0.58	2.27	0.21	0.08	10.67	100.23
<5.6mm	67.04	14.22	5.43	2.37	2.75	3.46	1.55	0.46	0.14	0.08	0.05	2.18	99.73
637 2-5.6mm	66.17	15.28	5.18	2.82	3.69	4.12	1.31	0.53	0.13	0.08	0.04	2.00	101.35
250um-2mm	67.00	14.17	4.66	2.15	3.11	3.76	1.20	0.44	0.13	0.06	0.05	1.82	98.55
63-250um	72.72	12.71	3.69	1.42	2.75	3.61	1.37	0.36	0.19	0.06	0.06	1.42	100.36
<63um	69.56	13.46	4.58	1.85	2.66	3.16	2.00	0.48	0.22	0.07	0.05	2.66	100.75
<2um	48.61	19.54	9.12	3.88	1.90	3.57	2.91	0.64	1.99	0.17	0.06	8.91	101.30
<5.6mm	68.78	13.97	4.70	2.02	3.09	3.68	1.42	0.46	0.20	0.07	0.06	1.96	100.41
640 2-5.6mm	56.56	13.92	9.41	6.66	8.25	2.87	0.77	0.68	0.01	0.15	0.03	0.96	100.27
250um-2mm	53.85	12.51	11.29	7.42	8.35	2.40	0.58	0.74	0.02	0.17	0.03	0.54	97.90
63-250um	55.99	16.33	9.28	4.31	7.30	3.07	0.49	0.96	0.01	0.12	0.04	0.40	98.30
<63um	62.49	14.86	7.29	3.02	5.36	3.06	1.39	0.77	0.24	0.09	0.03	2.10	100.70
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	55.57	13.68	10.16	6.00	7.61	2.70	0.64	0.82	0.07	0.15	0.03	0.73	98.16
641 2-5.6mm	54.81	13.88	9.61	5.76	7.84	2.62	0.94	0.81	0.05	0.14	0.03	1.33	97.82
250um-2mm	54.66	12.81	10.68	6.43	7.99	2.46	0.74	0.81	0.07	0.16	0.03	0.87	97.71
63-250um	58.94	14.39	8.98	4.23	6.80	2.90	0.60	0.89	0.04	0.13	0.04	0.49	98.43
<63um	61.37	14.68	7.68	3.43	5.62	2.88	1.48	0.79	0.19	0.10	0.04	2.11	100.37
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	56.83	13.50	9.74	5.23	7.18	2.61	0.79	0.86	0.09	0.14	0.04	0.93	97.94
649 2-5.6mm	63.43	14.51	6.36	2.94	4.11	3.60	1.58	0.59	0.15	0.09	0.05	1.83	99.24
250um-2mm	67.62	13.18	5.07	2.20	3.51	3.41	1.46	0.46	0.12	0.07	0.05	1.51	98.66
63-250um	72.16	11.69	4.31	1.60	3.14	3.08	1.43	0.40	0.18	0.06	0.07	1.30	99.42
<63um	68.77	12.94	4.61	1.62	3.05	2.90	2.13	0.52	0.22	0.07	0.05	4.22	101.10
<2um	39.28	18.75	8.22	2.31	1.68	3.70	1.64	0.60	3.35	0.14	0.06	21.21	100.94
<5.6mm	66.17	13.03	5.34	2.26	3.53	3.26	1.55	0.52	0.19	0.07	0.06	1.91	97.89
653 2-5.6mm	63.93	15.06	6.29	2.91	3.83	3.75	1.46	0.66	0.18	0.09	0.05	2.04	100.25
250um-2mm	66.08	14.10	5.29	2.43	3.46	3.54	1.40	0.48	0.12	0.07	0.05	1.80	98.82
63-250um	72.65	12.71	4.32	1.58	3.13	3.46	1.66	0.42	0.19	0.06	0.06	1.33	101.57
<63um	67.93	13.07	5.08	1.86	2.96	3.06	1.92	0.55	0.16	0.08	0.05	2.81	99.53
<2um	48.92	16.93	9.98	3.04	2.05	3.42	2.61	0.82	2.32	0.19	0.06	10.98	101.32
<5.6mm	66.52	14.13	5.60	2.37	3.51	3.53	1.54	0.53	0.18	0.09	0.06	1.91	99.97

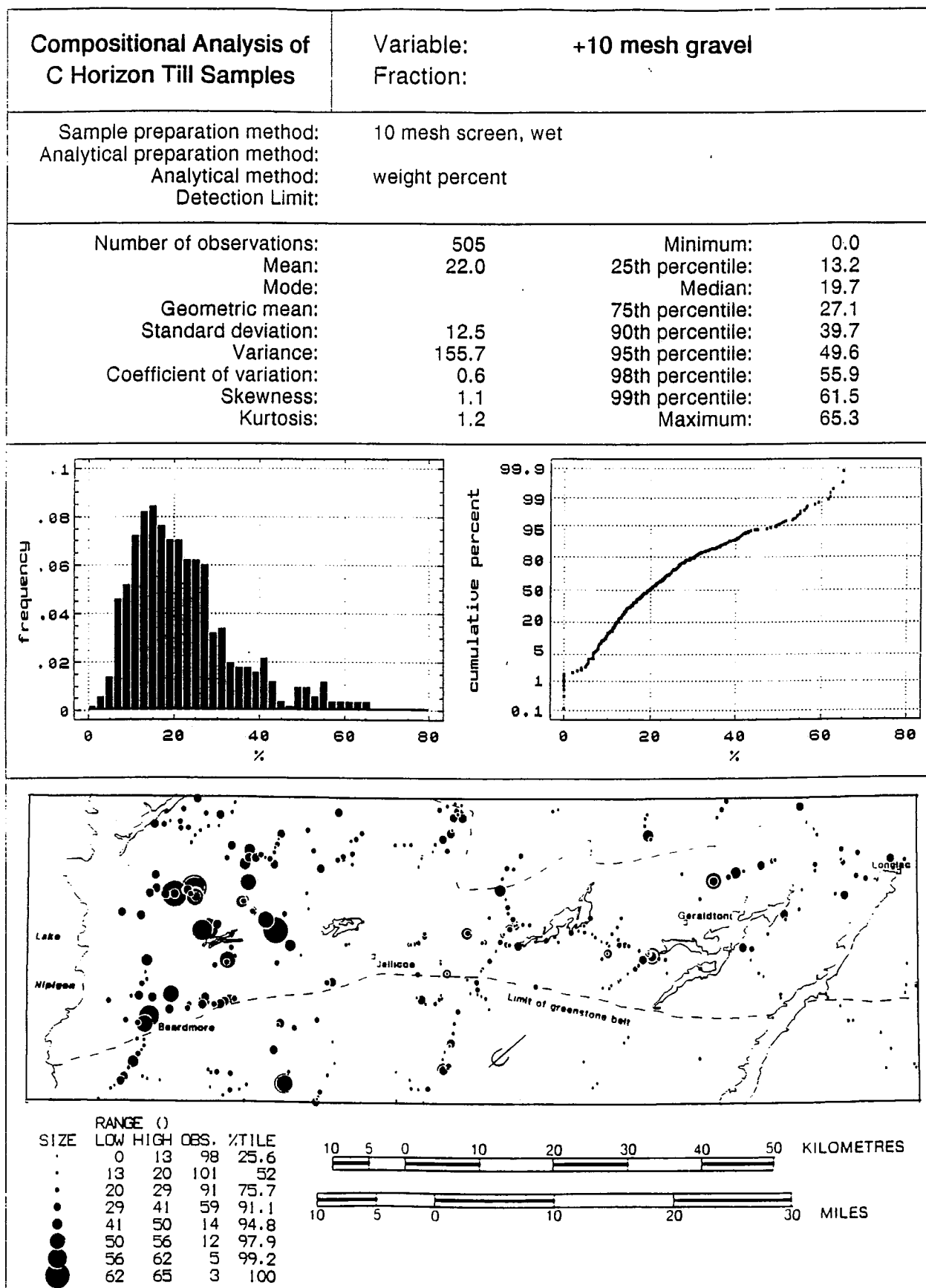
	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	BaO	LOI	Total
683 2-5.6mm	67.96	14.31	5.04	1.81	3.08	3.81	2.06	0.46	0.23	0.08	0.07	1.68	100.59
250um-2mm	72.19	12.42	3.53	1.24	2.63	3.46	1.56	0.32	0.15	0.06	0.06	1.36	99.07
63-250um	75.99	10.85	2.80	0.91	2.56	3.13	1.68	0.27	0.21	0.04	0.08	0.82	99.34
<2um	74.95	11.35	3.28	1.10	2.80	3.03	2.15	0.47	0.26	0.05	0.06	1.60	101.10
	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	74.94	11.87	3.51	1.16	2.76	3.34	1.84	0.35	0.26	0.05	0.07	1.22	101.37
695 2-5.6mm	51.06	11.32	5.32	3.33	12.45	2.80	1.57	0.49	0.08	0.08	0.06	10.98	99.54
250um-2mm	62.18	10.11	2.75	1.92	9.12	2.82	1.56	0.25	0.04	0.04	0.06	7.78	98.63
63-250um	71.24	9.78	2.40	1.22	5.96	2.86	1.55	0.23	0.16	0.03	0.07	4.19	99.69
<63um	58.16	9.06	2.80	4.19	10.74	2.41	1.91	0.36	0.12	0.05	0.04	10.92	100.76
<2um	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss	nss
<5.6mm	62.93	9.87	3.07	2.53	9.17	2.71	1.56	0.30	0.12	0.04	0.06	7.71	100.07
1060 2-5.6mm	54.69	12.77	9.37	3.70	6.26	2.50	0.90	0.86	0.15	0.19	0.03	5.96	97.38
250um-2mm	58.45	11.96	8.66	3.07	5.46	2.34	0.97	0.92	0.21	0.16	0.04	5.72	97.96
63-250um	63.49	10.96	7.72	2.40	4.73	2.18	0.83	1.06	0.22	0.14	0.04	5.01	98.78
<63um	57.84	12.34	8.66	3.11	6.63	2.13	1.35	0.85	0.20	0.17	0.03	6.51	99.82
<2um	38.62	17.59	13.96	4.95	6.62	2.12	1.66	0.67	0.80	0.25	0.07	10.38	97.69
<5.6mm	56.93	12.54	9.09	3.42	6.54	2.33	0.85	0.91	0.16	0.17	0.03	5.98	98.95
1061 2-5.6mm	54.86	13.46	9.92	4.00	6.53	2.65	1.05	0.84	0.08	0.20	0.03	6.27	99.89
250um-2mm	57.08	12.67	8.47	3.29	5.88	2.60	1.07	0.77	0.18	0.17	0.04	5.86	98.08
63-250um	61.71	12.17	6.80	2.43	5.41	2.70	0.96	0.75	0.16	0.13	0.04	5.17	98.43
<63um	57.00	12.15	7.74	3.31	7.34	2.51	1.35	0.72	0.12	0.15	0.03	6.95	99.37
<2um	34.99	17.49	13.02	5.55	8.33	2.48	1.57	0.60	1.25	0.24	0.06	12.07	97.65
<5.6mm	55.73	12.48	8.08	3.34	7.18	2.55	0.94	0.75	0.11	0.17	0.04	6.60	97.97
1099 2-5.6mm	60.43	11.40	7.29	2.83	4.84	2.80	1.44	0.48	0.15	0.10	0.04	6.78	98.58
250um-2mm	66.12	10.74	6.04	2.36	3.76	3.03	1.42	0.42	0.05	0.08	0.04	6.09	100.15
63-250um	68.53	10.34	4.71	1.79	4.13	2.95	1.23	0.41	0.20	0.06	0.05	4.62	99.02
<63um	60.60	11.31	5.06	3.00	6.97	2.66	1.91	0.49	0.14	0.08	0.00	8.24	100.46
<2um	42.00	18.91	7.98	3.63	6.88	2.95	3.33	0.42	0.91	0.11	0.11	11.23	98.46
<5.6mm	63.24	11.27	5.75	2.57	5.54	2.89	1.34	0.45	0.14	0.08	0.05	6.51	99.83
1100 2-5.6mm	59.75	11.86	7.69	2.95	4.66	2.77	1.62	0.48	0.14	0.11	0.05	7.08	99.16
250um-2mm	60.61	10.88	6.93	2.80	4.82	2.78	1.23	0.47	0.21	0.10	0.05	6.53	97.41
63-250um	67.13	11.32	5.91	2.15	4.17	3.21	1.29	0.55	0.18	0.09	0.05	5.14	101.19
<63um	56.40	13.37	6.71	3.25	6.67	2.47	2.06	0.60	0.12	0.10	0.05	8.75	100.55
<2um	41.03	20.62	9.24	3.75	6.03	2.45	3.34	0.51	0.72	0.13	0.11	10.15	98.08
<5.6mm	57.29	12.66	7.17	3.02	5.78	2.56	1.64	0.56	0.16	0.10	0.06	7.54	98.54
1178 2-5.6mm	40.06	8.01	3.31	3.72	20.40	1.99	1.70	0.29	0.01	0.06	0.05	19.54	99.14
250um-2mm	54.65	8.60	2.60	2.30	13.25	2.37	1.73	0.19	0.12	0.03	0.06	12.64	98.54
63-250um	69.06	9.78	2.32	1.50	8.11	2.93	1.82	0.22	0.12	0.03	0.07	5.11	101.07
<63um	48.43	8.85	3.28	4.47	14.25	1.98	2.10	0.35	0.05	0.05	0.04	15.58	99.43
<2um	38.60	12.11	5.71	4.11	14.88	2.39	2.45	0.52	0.60	0.09	0.08	16.76	98.30
<5.6mm	51.07	8.81	3.27	3.63	13.02	2.18	1.75	0.30	0.04	0.04	0.06	13.55	97.72
1179 2-5.6mm	40.00	8.28	3.38	4.12	20.38	2.08	1.72	0.31	0.01	0.05	0.05	19.62	100.00
250um-2mm	54.20	8.59	2.67	2.31	13.53	2.35	1.76	0.19	0.10	0.03	0.06	12.41	98.20
63-250um	68.22	9.46	2.32	1.53	8.25	2.75	1.77	0.22	0.15	0.03	0.07	6.32	101.06
<63um	47.87	8.96	3.32	4.56	14.42	2.00	2.07	0.36	0.05	0.05	0.04	15.47	99.17
<2um	37.94	12.32	6.14	4.10	14.92	2.23	2.52	0.52	0.52	0.10	0.08	17.08	98.47
<5.6mm	51.98	8.93	2.94	3.59	12.77	2.22	1.75	0.30	0.05	0.04	0.06	13.21	97.84
1180 2-5.6mm	57.38	13.11	6.36	2.90	6.98	3.25	1.70	0.46	0.14	0.09	0.06	6.05	98.48
250um-2mm	64.29	11.71	4.39	1.95	5.93	3.18	1.69	0.29	0.20	0.06	0.05	4.60	98.34
63-250um	73.59	11.86	3.39	1.08	3.90	3.56	1.57	0.27	0.20	0.04	0.05	2.01	101.52
<63um	63.22	13.74	5.12	2.05	5.38	3.52	2.24	0.42	0.15	0.06	0.00	4.32	100.22
<2um	50.81	17.30	7.58	3.30	5.97	3.79	3.12	0.51	0.66	0.10	0.07	6.89	100.10
<5.6mm	62.93	12.84	4.82	2.12	6.03	3.41	1.84	0.37	0.13	0.06	0.06	4.62	99.23

	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	BaO	LOI	Total
1181 2-5.6mm 250um-2mm 63-250um <63um <2um	61.08 65.88 73.01 62.53 46.84	13.76 11.77 11.31 13.28 16.75	6.15 4.49 3.59 5.60 7.82	2.75 2.07 1.34 2.45 3.79	5.75 5.50 3.86 5.68 7.35	3.43 3.06 3.31 3.10 3.28	2.08 1.86 1.74 2.33 2.98	0.48 0.32 0.32 0.44 0.46	0.09 0.21 0.15 0.14 0.57	0.08 0.06 0.04 0.07 0.10	0.06 0.06 0.06 0.00 0.07	5.16 4.26 2.69 4.91 9.02	100.87 99.54 101.42 100.53 99.03
<5.6mm	64.66	12.30	4.87	2.16	5.40	3.14	1.73	0.39	0.17	0.06	0.06	4.15	99.09
1182 2-5.6mm 250um-2mm 63-250um <63um <2um	59.67 65.24 75.36 57.78 34.60	13.62 10.69 9.40 9.96 12.14	6.62 3.90 2.49 4.23 7.10	3.09 1.84 1.07 3.38 4.15	6.51 6.03 4.99 10.37 16.68	3.09 2.81 2.71 2.43 2.22	2.12 2.14 1.68 1.72 2.32	0.49 0.28 0.22 0.43 0.43	0.10 0.23 0.21 0.08 0.75	0.09 0.05 0.03 0.06 0.11	0.06 0.06 0.06 0.05 0.06	5.97 5.09 3.12 10.11 18.56	101.43 98.36 101.34 100.60 99.12
<5.6mm	65.10	10.08	3.74	2.13	6.96	2.64	1.67	0.32	0.12	0.05	0.06	5.89	98.76
1183 2-5.6mm 250um-2mm 63-250um <63um <2um	59.70 65.71 74.91 54.06 32.87	13.12 10.69 9.47 9.52 11.60	6.49 3.99 2.49 3.85 6.91	2.95 1.80 1.07 3.79 4.06	6.82 6.13 5.08 11.87 18.13	3.12 2.82 2.73 2.26 2.02	2.04 2.11 1.73 1.84 2.21	0.50 0.28 0.21 0.39 0.41	0.07 0.24 0.21 0.07 0.55	0.08 0.05 0.03 0.06 0.11	0.06 0.06 0.06 0.04 0.06	6.28 5.03 3.42 12.52 19.58	101.23 98.91 101.41 100.27 98.51
<5.6mm	60.79	9.85	3.78	2.62	8.74	2.47	1.73	0.34	0.13	0.05	0.06	8.03	98.59
1184 2-5.6mm 250um-2mm 63-250um <63um <2um	58.24 64.97 72.21 56.66 32.82	12.52 10.32 9.30 9.61 11.91	5.98 3.77 2.68 3.75 6.95	3.00 1.89 1.32 3.65 4.09	8.10 7.02 5.89 11.16 17.09	2.95 2.72 2.64 2.33 2.06	1.98 2.06 1.70 1.86 2.34	0.45 0.26 0.22 0.39 0.39	0.07 0.21 0.22 0.10 0.69	0.08 0.05 0.03 0.05 0.11	0.06 0.06 0.07 0.04 0.59	7.67 6.24 4.43 11.51 19.15	101.10 99.57 100.71 101.11 98.19
<5.6mm	60.22	9.87	3.60	2.65	9.15	2.45	1.75	0.32	0.09	0.05	0.06	8.76	98.97
1185 2-5.6mm 250um-2mm 63-250um <63um <2um	56.90 63.25 69.84 55.20 33.17	12.68 10.53 9.73 9.75 12.55	6.28 4.37 2.98 4.05 7.37	2.90 2.13 1.60 3.87 4.48	6.90 6.76 6.10 11.14 16.38	3.17 2.86 2.92 2.42 2.09	1.74 1.93 1.66 1.75 2.27	0.48 0.30 0.27 0.40 0.35	0.10 0.22 0.19 0.09 0.49	0.08 0.06 0.04 0.06 0.11	0.06 0.06 0.06 0.04 0.06	7.01 6.35 5.06 12.11 18.72	98.30 98.82 100.46 100.88 98.04
<5.6mm	59.61	9.90	3.96	2.77	8.99	2.57	1.63	0.34	0.10	0.05	0.06	8.85	98.83
1232 2-5.6mm 250um-2mm 63-250um <63um <2um	50.33 56.66 67.58 51.40 37.82	10.63 10.11 9.82 9.38 12.24	4.64 3.42 2.76 3.55 6.36	3.38 2.52 1.56 4.06 4.41	12.69 10.94 7.75 12.47 14.44	2.52 2.65 2.78 2.20 2.38	1.84 2.14 1.89 1.93 2.58	0.38 0.25 0.22 0.36 0.48	0.08 0.15 0.20 0.08 0.71	0.07 0.05 0.04 0.06 0.09	0.06 0.06 0.07 0.05 0.06	12.25 9.91 5.79 13.85 17.29	98.87 98.86 100.46 99.39 98.86
<5.6mm	52.26	9.61	3.49	3.54	12.28	2.29	1.81	0.32	0.06	0.05	0.06	12.58	98.35
1239 2-5.6mm 250um-2mm 63-250um <63um <2um	60.47 64.39 75.42 62.58 43.87	14.71 13.44 11.16 11.80 14.96	6.26 5.35 3.00 4.76 8.89	2.88 2.41 1.23 2.89 4.32	5.09 5.03 3.65 6.50 8.56	3.62 3.44 3.23 2.82 2.77	2.24 2.22 1.84 2.09 2.79	0.59 0.47 0.32 0.47 0.59	0.15 0.26 0.20 0.19 0.68	0.09 0.07 0.04 0.07 0.13	0.06 0.07 0.07 0.06 0.07	3.11 2.58 1.69 5.76 11.19	99.27 99.73 101.85 99.99 98.82
<5.6mm	66.43	12.03	4.56	2.37	5.68	3.00	1.93	0.44	0.20	0.06	0.07	4.16	100.93
1301 2-5.6mm 250um-2mm 63-250um <63um <2um	61.86 63.86 72.03 64.62 44.66	15.14 14.99 12.22 11.92 16.10	4.37 4.43 3.64 4.86 10.91	1.51 1.62 1.29 2.11 3.55	3.21 3.83 3.58 4.51 5.18	5.36 5.07 3.73 2.89 2.80	2.01 2.30 1.96 2.26 2.84	0.32 0.32 0.31 0.46 0.65	0.14 0.26 0.28 0.22 1.21	0.02 0.03 0.03 0.05 0.10	0.08 0.08 0.08 0.06 0.07	3.34 3.64 2.39 4.82 11.11	97.36 100.44 101.54 98.78 99.18
<5.6mm	64.64	13.17	4.60	1.90	4.15	3.82	2.07	0.40	0.21	0.04	0.09	4.35	99.44
1302 2-5.6mm 250um-2mm 63-250um <63um <2um	67.25 65.13 69.67 62.44 45.93	16.99 16.13 13.19 12.34 15.76	2.49 2.86 3.33 4.95 10.52	0.76 0.91 0.99 2.26 2.81	1.60 1.90 2.75 5.64 4.76	7.60 6.97 4.92 3.66 3.84	1.46 1.83 1.71 2.07 2.76	0.25 0.26 0.32 0.44 0.51	0.15 0.26 0.26 0.17 1.24	0.01 0.02 0.02 0.05 0.09	0.07 0.08 0.08 0.07 0.10	1.47 1.60 1.93 6.14 10.42	100.10 97.95 99.17 100.23 98.74
<5.6mm	65.32	14.64	3.71	1.42	3.35	5.63	1.67	0.34	0.22	0.03	0.09	3.47	99.89

Appendix 16

Statistical Summary and Maps of Surface Sample Data

**N.B. Statistical summaries include all surface samples;
map includes location maps A – F only (383 of 505 samples).**



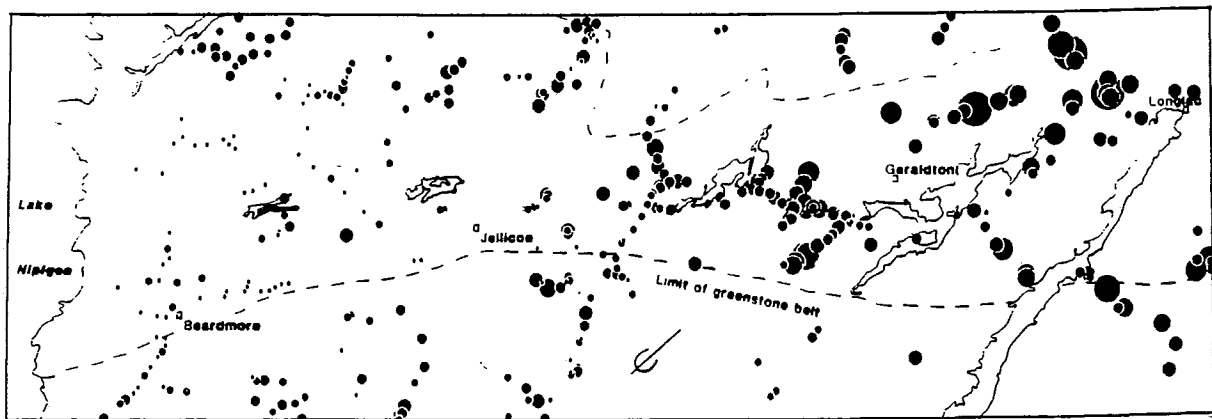
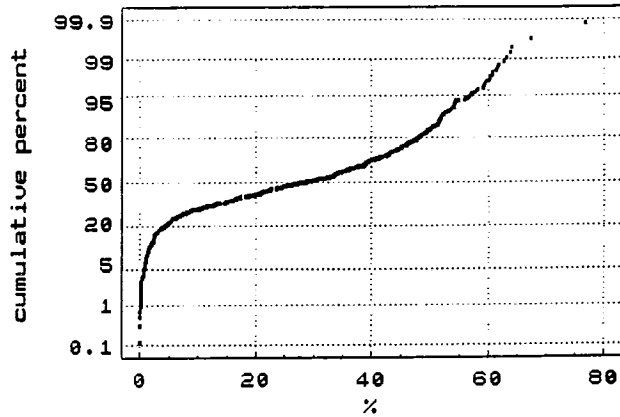
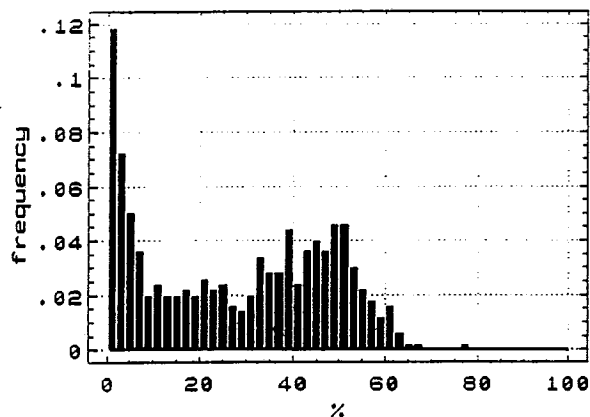
Compositional Analysis of C Horizon Till Samples

Variable: Paleozoic carbonate
Fraction: 5.6 - 16 mm

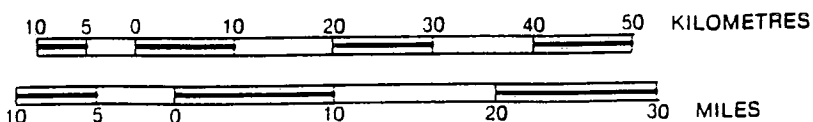
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

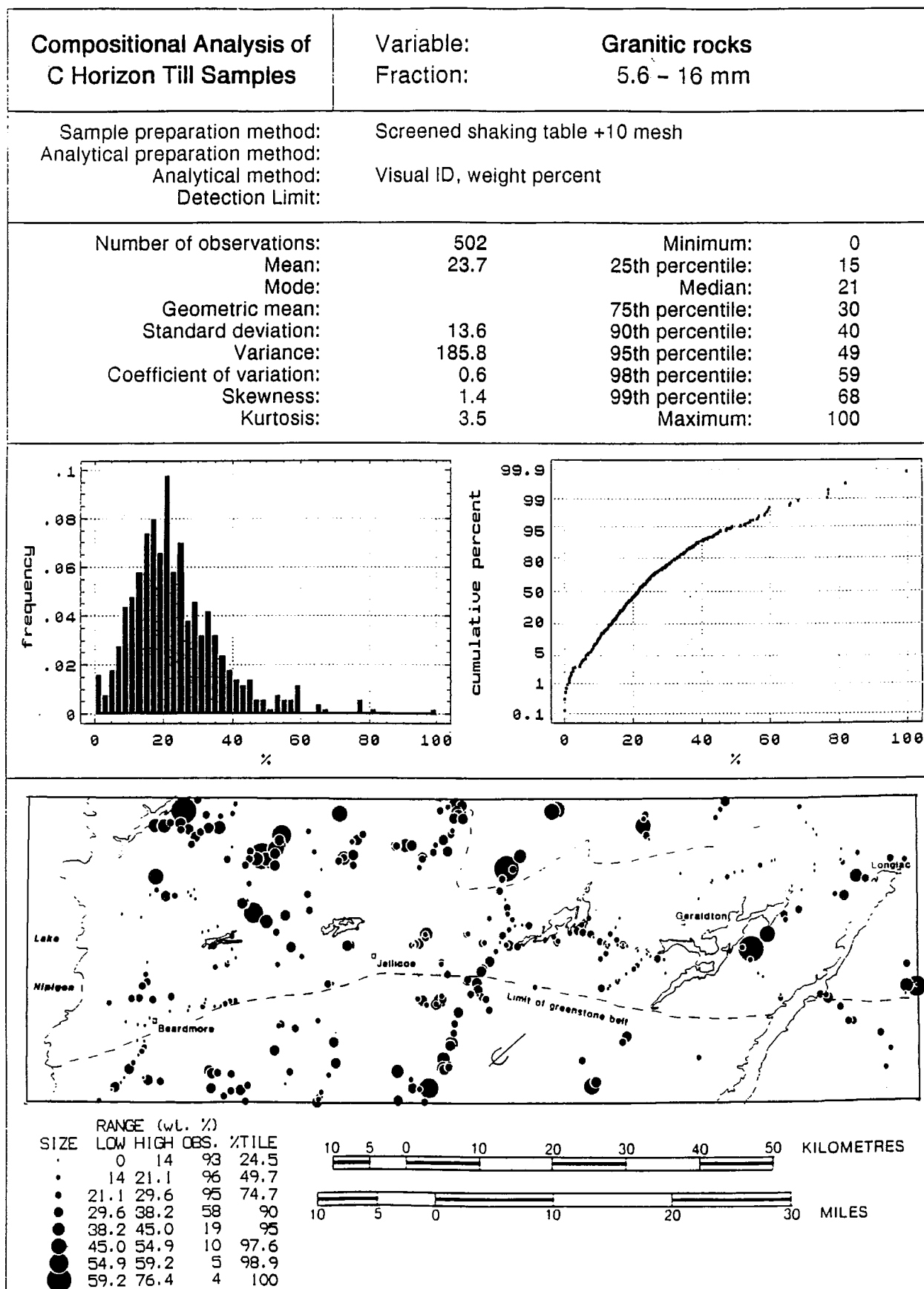
Screened shaking table +10 mesh
Visual ID, weight percent

Number of observations:	502	Minimum:	0
Mean:	27.3	25th percentile:	6
Mode:		Median:	29
Geometric mean:		75th percentile:	45
Standard deviation:	19.9	90th percentile:	52
Variance:	397.1	95th percentile:	57
Coefficient of variation:	0.7	98th percentile:	61
Skewness:	0.1	99th percentile:	63
Kurtosis:	-1.4	Maximum:	77



SIZE	RANGE (wt. %)		OBS.	%TILE
•	0	4	94	24.7
•	4	20.8	95	49.7
•	20.8	41.4	95	74.7
•	41.4	51.6	58	90
•	51.6	54.5	21	95.5
•	54.5	59.2	9	97.9
•	59.2	60.7	4	98.9
•	60.7	76.8	4	100





Compositional Analysis of C Horizon Till Samples

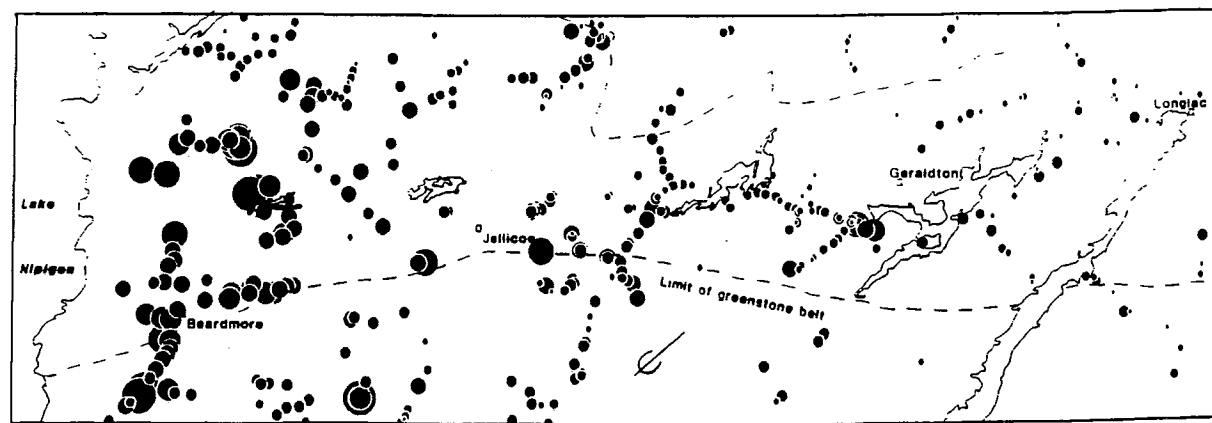
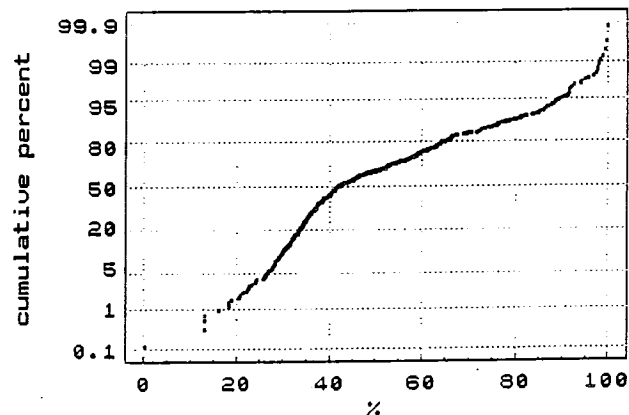
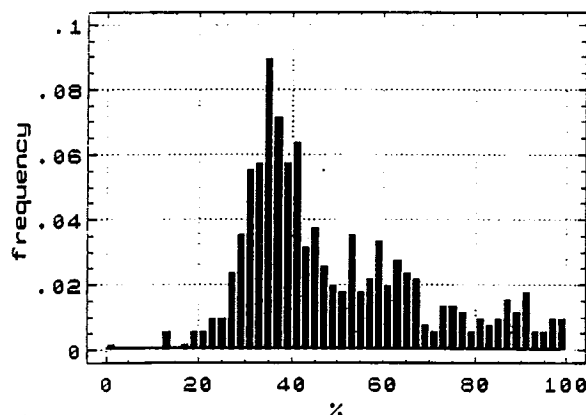
Variable: **Metasedimentary and metavolcanic rx**
Fraction: **5.6 - 16 mm**

Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

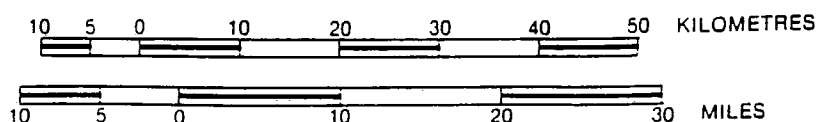
Screened shaking table +10 mesh

Visual ID, weight percent

Number of observations:	502	Minimum:	0
Mean:	49.0	25th percentile:	35
Mode:	40.4	Median:	42
Geometric mean:	45.0	75th percentile:	61
Standard deviation:	19.5	90th percentile:	81
Variance:	380.3	95th percentile:	90
Coefficient of variation:	0.4	98th percentile:	96
Skewness:	0.8	99th percentile:	98
Kurtosis:	-0.1	Maximum:	100



RANGE (wt. %)			
SIZE	LOW	HIGH	OBS. %TILE
•	13.1	32.6	41 10.8
•	32.6	37.1	52 24.5
•	37.1	47.9	95 49.5
•	47.9	65.0	96 74.7
•	65.0	86.0	58 90
•	86.0	91.5	20 95.3
•	91.5	97.4	10 97.9
•	97.4	100	8 100



Compositional Analysis of C Horizon Till Samples

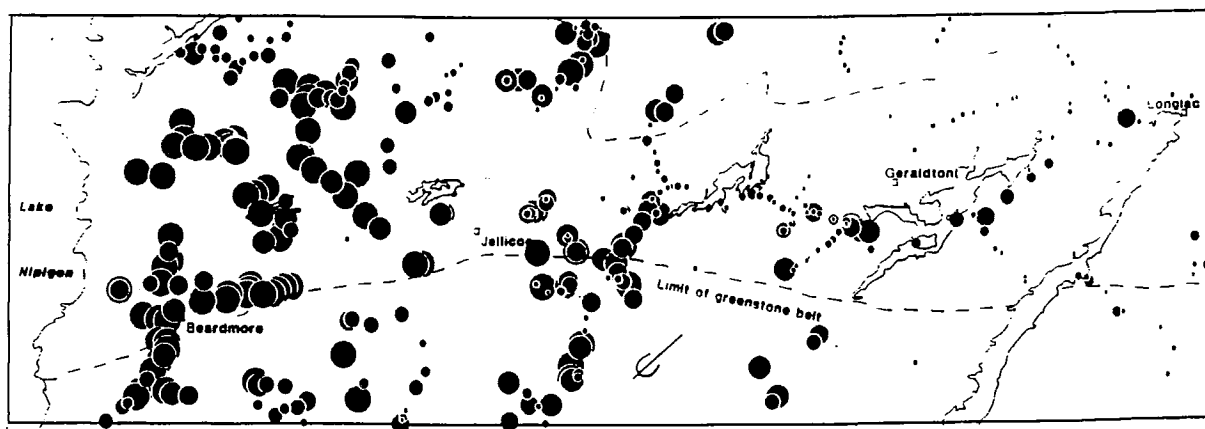
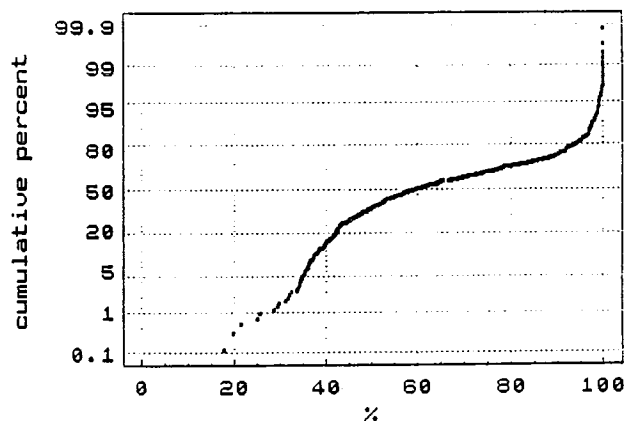
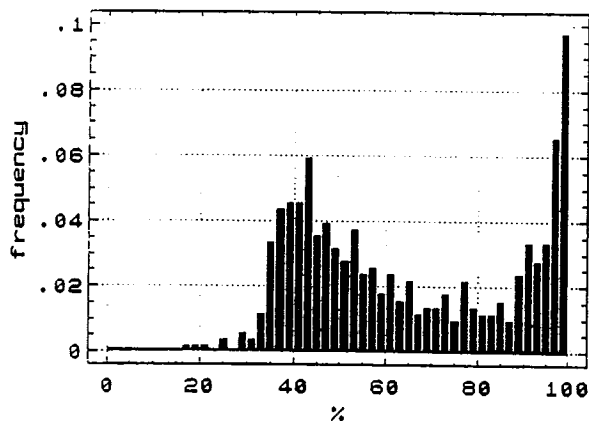
Variable: **Metasedimentary and metavolcanic rx**
Fraction: **Nongranitic 5.6 - 16 mm**

Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

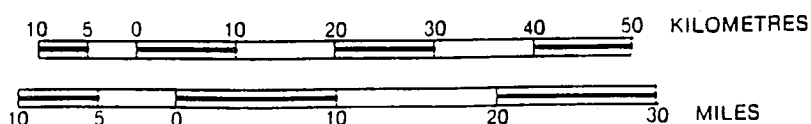
Screened shaking table +10 mesh

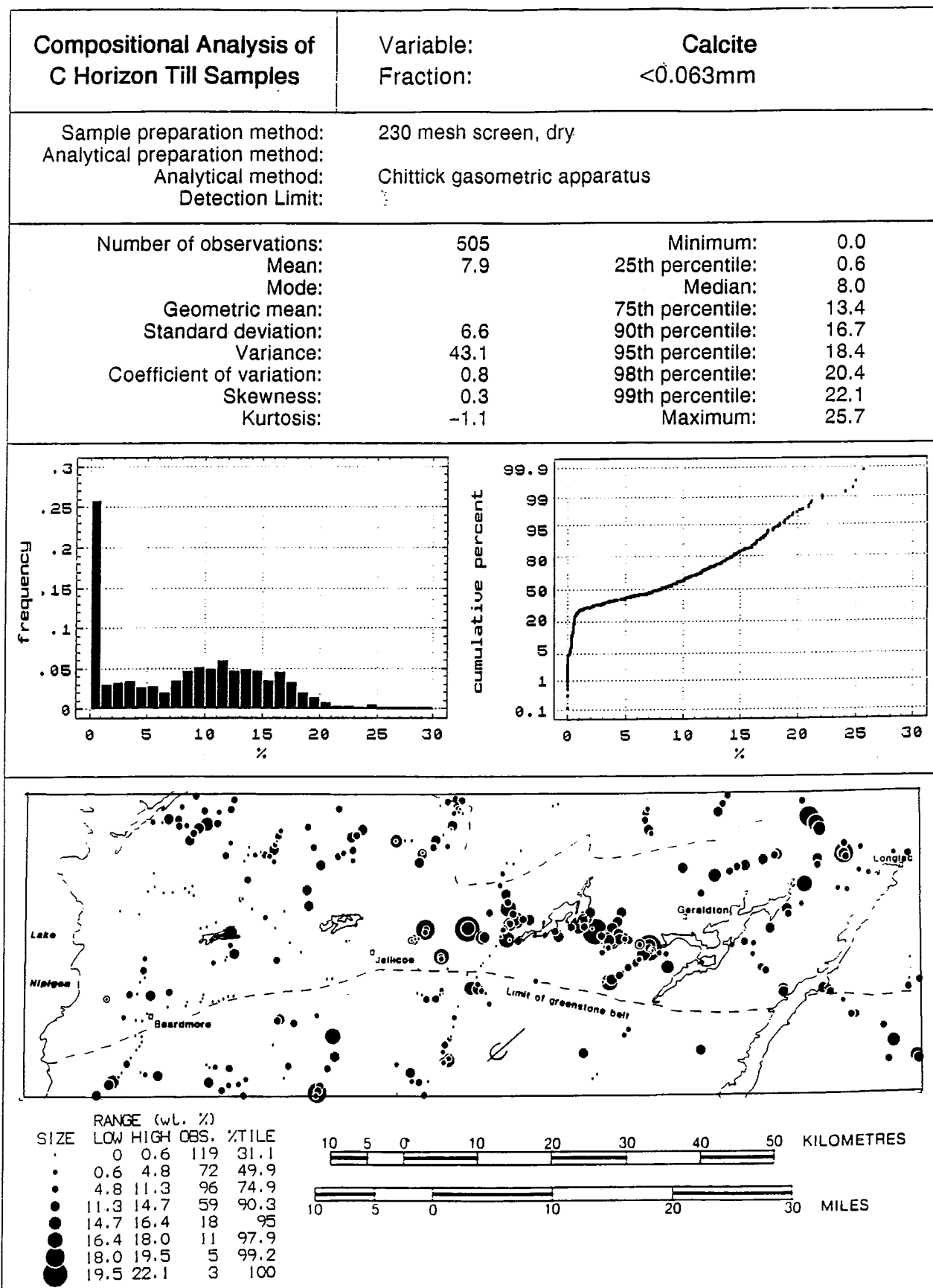
Visual ID, weight percent

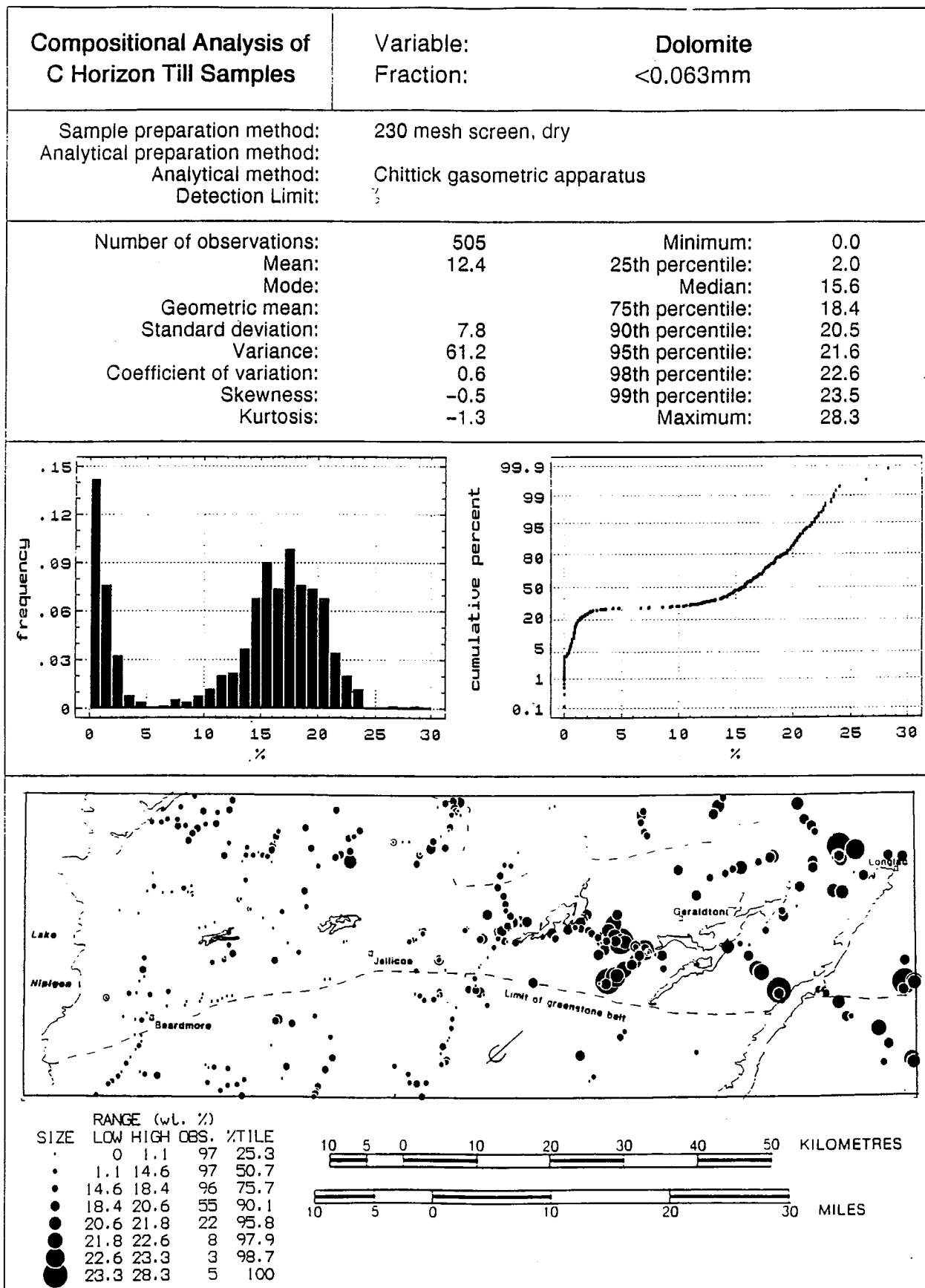
Number of observations:	502	Minimum:	18
Mean:	65.0	25th percentile:	43
Mode:	50.0	Median:	60
Geometric mean:	60.7	75th percentile:	91
Standard deviation:	23.4	90th percentile:	98
Variance:	545.6	95th percentile:	99
Coefficient of variation:	0.4	98th percentile:	100
Skewness:	0.2	99th percentile:	100
Kurtosis:	-1.4	Maximum:	100



SIZE	RANGE (wt. %)		LOW	HIGH	OBS.	%TILE
•	17.7	40	42	11.1		
•	40	50	64	27.9		
•	50	60	46	40		
•	60	70	37	49.7		
•	70	80	35	58.9		
•	80	90	33	67.6		
•	90	95	37	77.4		
•	95	100	86	100		







Compositional Analysis of C Horizon Till Samples

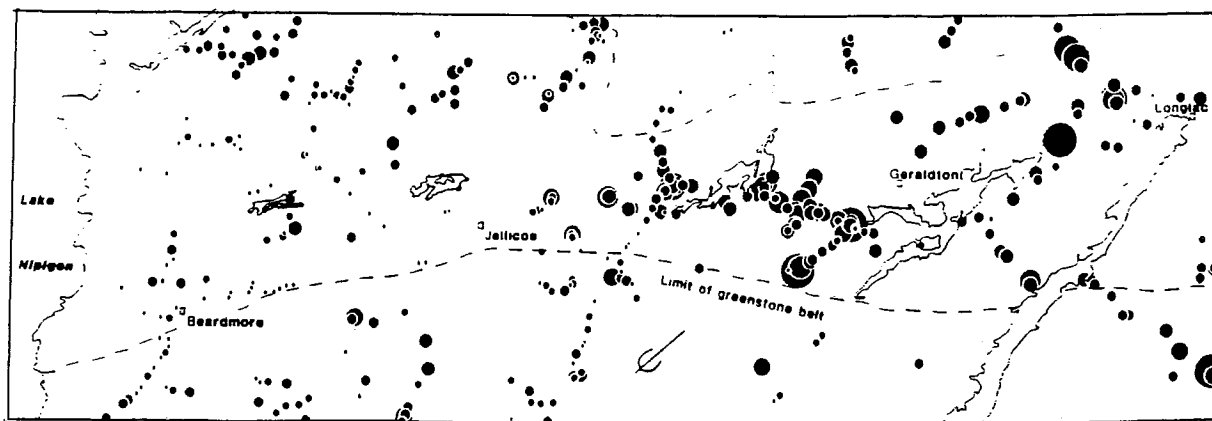
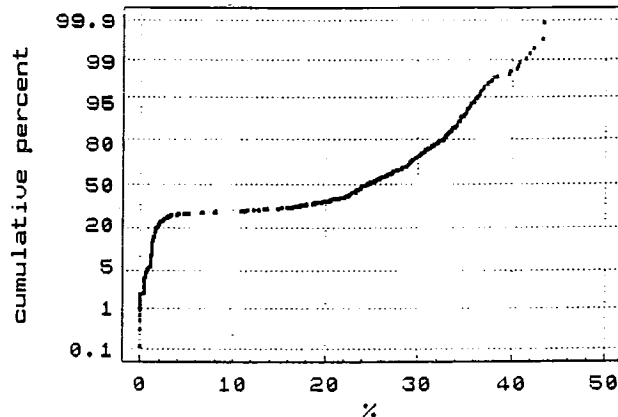
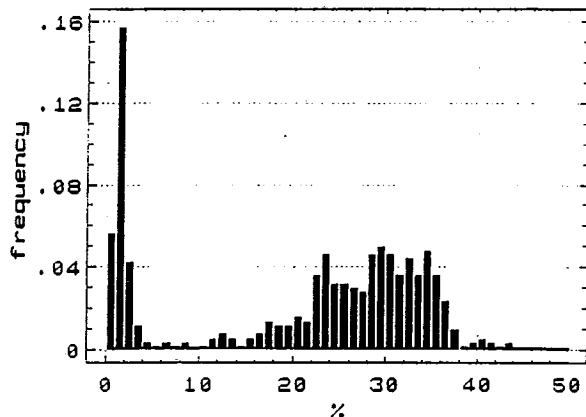
Variable:
Fraction:

Carbonate
<0.063mm

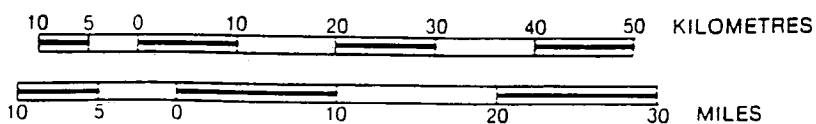
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

230 mesh screen, dry
Chittick gasometric apparatus

Number of observations:	505	Minimum:	0.0
Mean:	20.3	25th percentile:	2.5
Mode:		Median:	24.5
Geometric mean:		75th percentile:	31.1
Standard deviation:	13.3	90th percentile:	34.8
Variance:	177.2	95th percentile:	36.3
Coefficient of variation:	0.7	98th percentile:	38.3
Skewness:	-0.4	99th percentile:	40.7
Kurtosis:	-1.4	Maximum:	43.4



RANGE (wt. %)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0	1.6	97	25.3
•	1.6	22.4	96	50.4
•	22.4	29.2	97	75.7
•	29.2	33.6	56	90.3
•	33.6	35.5	20	95.6
•	35.5	36.6	9	97.9
•	36.6	37.4	4	99
•	37.4	40.5	4	100

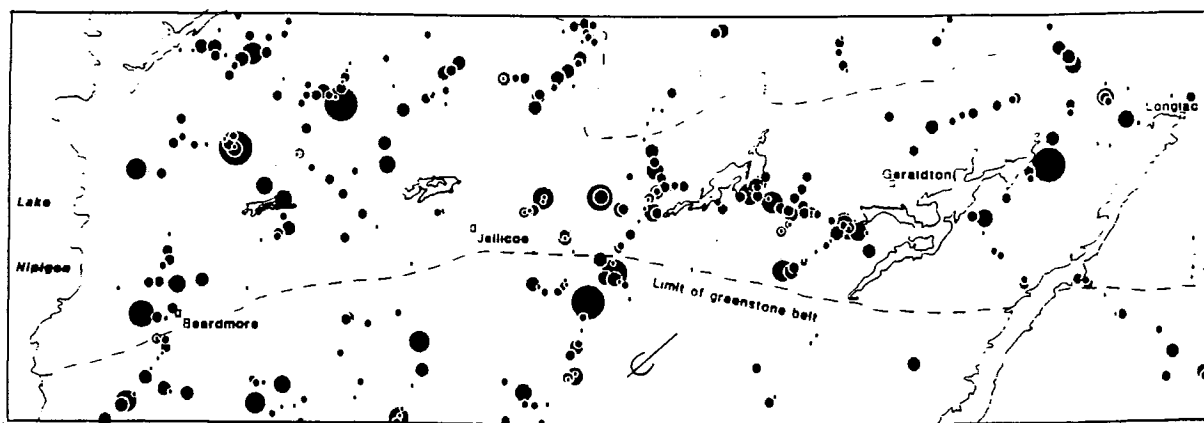
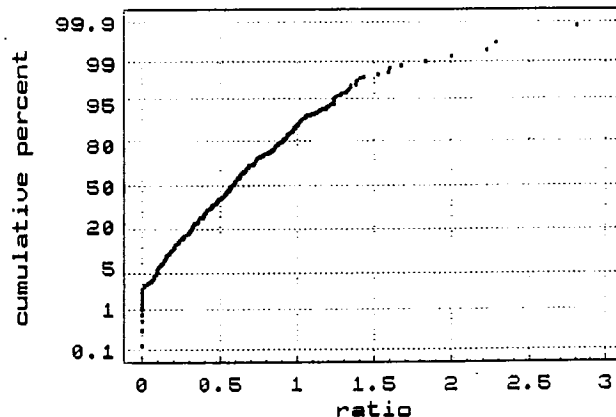
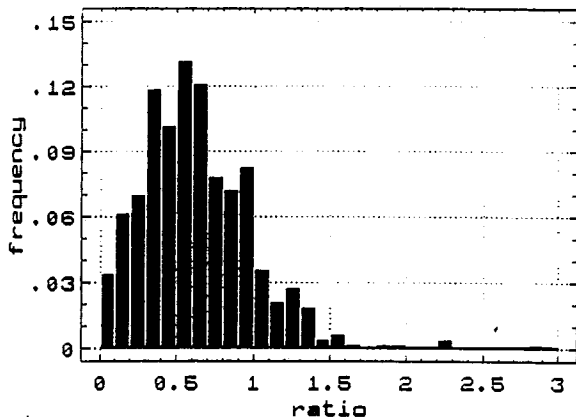


Compositional Analysis of C Horizon Till Samples

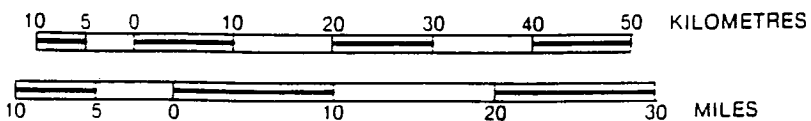
Variable: **Calcite/dolomite ratio**
Fraction: **<0.063mm**

Sample preparation method: 230 mesh screen, dry
Analytical preparation method:
Analytical method: Chittick gasometric apparatus
Detection Limit:

Number of observations:	505	Minimum:	0.00
Mean:	0.6	25th percentile:	0.35
Mode:		Median:	0.58
Geometric mean:		75th percentile:	0.85
Standard deviation:	0.4	90th percentile:	1.05
Variance:	0.1	95th percentile:	1.24
Coefficient of variation:	0.6	98th percentile:	1.43
Skewness:	1.1	99th percentile:	1.84
Kurtosis:	3.4	Maximum:	2.81



	RANGE ()			
SIZE	LOW	HIGH	OBS.	%TILE
•	0	0.31	98	27.1
•	0.31	0.52	82	49.7
•	0.52	0.72	94	75.7
•	0.72	0.98	53	90.3
•	0.98	1.21	17	95
•	1.21	1.35	11	98.1
•	1.35	1.60	3	98.9
•	1.60	2.81	4	100



Compositional Analysis of C Horizon Till Samples

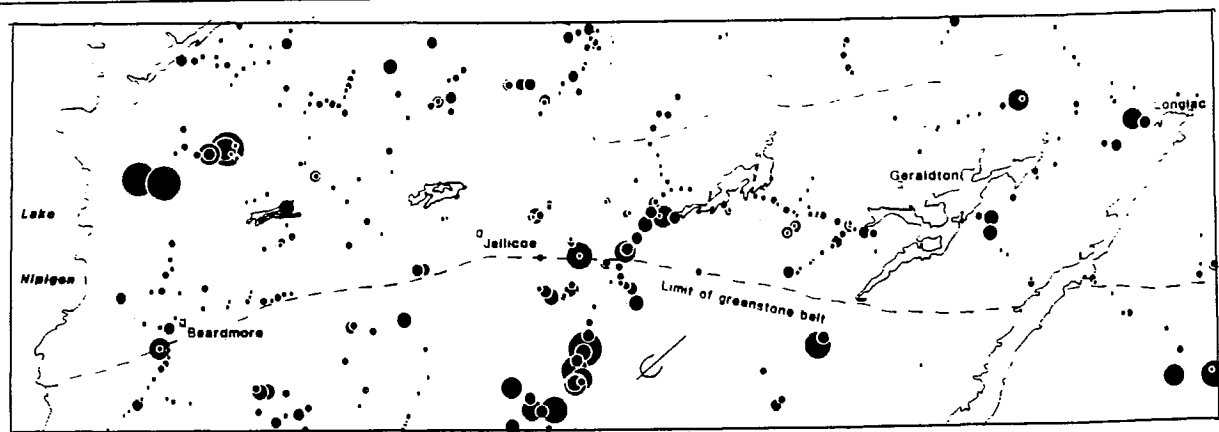
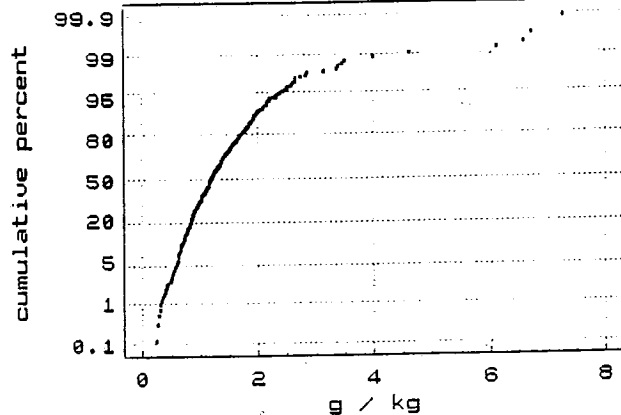
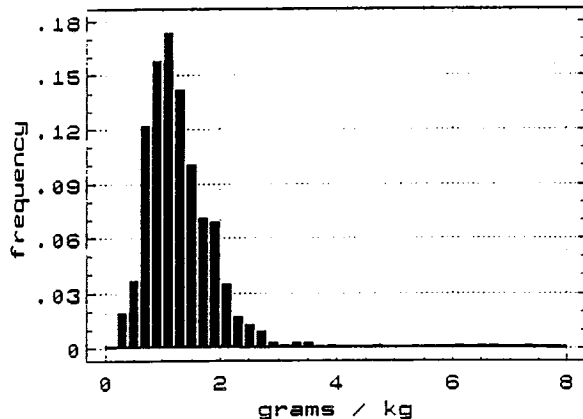
Variable: Heavy mineral yield
Fraction:

Sample preparation method:
Analytical preparation method:
Analytical method:
Units:

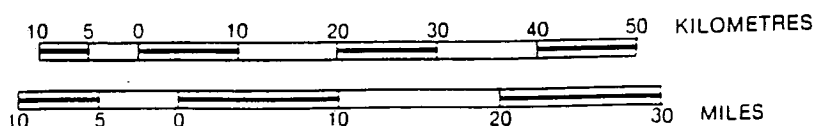
Shaking table, methylene iodide, hand magnet

grams/kilogram

Number of observations:	505	Minimum:	0.24
Mean:	1.33	25th percentile:	0.88
Mode:	1.14	Median:	1.18
Geometric mean:	1.19	75th percentile:	1.59
Standard deviation:	0.75	90th percentile:	2.03
Variance:	0.56	95th percentile:	2.40
Coefficient of variation:	0.6	98th percentile:	3.14
Skewness:	3.5	99th percentile:	4.00
Kurtosis:	20.8	Maximum:	7.27



SIZE	RANGE (g/kg)		OBS.	%TILE
.	0.2	0.9	105	27.4
.	0.9	1.2	93	51.7
.	1.2	1.7	100	77.8
.	1.7	2.1	50	90.9
.	2.1	2.4	14	94.5
.	2.4	2.9	12	97.7
.	2.9	4.6	5	99
.	4.6	7.3	4	100



Compositional Analysis of C Horizon Till Samples

Variable: **Magnetic mineral yield**
Fraction:

Sample preparation method:

Shaking table, methylene iodide, hand magnet

Analytical preparation method:

Analytical method:

Units:

grams/kilogram

Number of observations:

505

Minimum:

0.03

Mean:

0.79

25th percentile:

0.56

Mode:

0.50

Median:

0.74

Geometric mean:

0.68

75th percentile:

0.98

Standard deviation:

0.41

90th percentile:

1.27

Variance:

0.17

95th percentile:

1.41

Coefficient of variation:

0.5

98th percentile:

1.67

Skewness:

2.1

99th percentile:

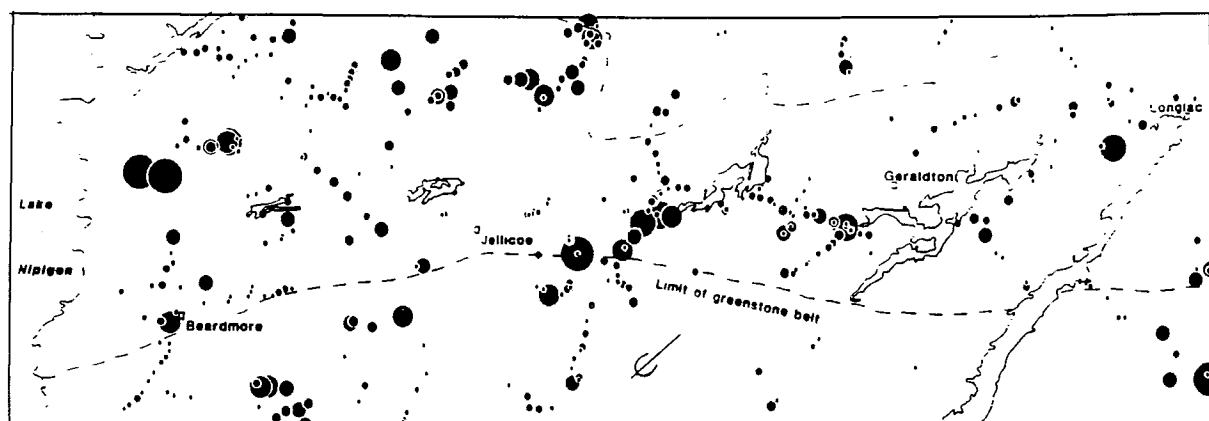
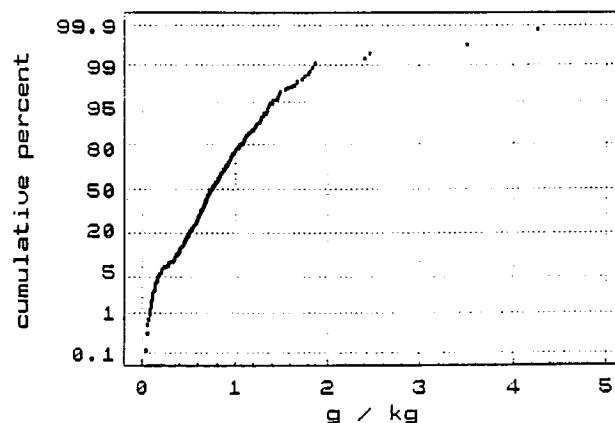
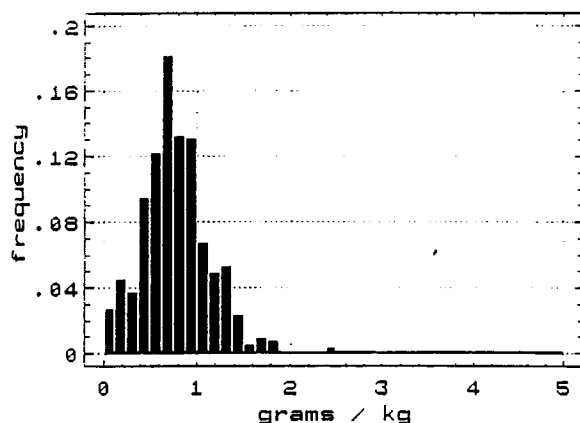
1.83

Kurtosis:

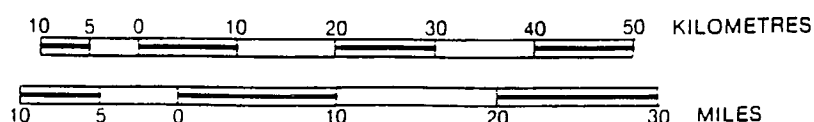
13.4

Maximum:

4.26



RANGE (g/kg)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0.0	0.6	133	34.7
•	0.6	0.7	61	50.7
•	0.7	1.0	102	77.3
•	1.0	1.2	36	86.7
•	1.2	1.4	29	94.3
•	1.4	1.7	13	97.7
•	1.7	1.9	5	99
•	1.9	4.3	4	100



Compositional Analysis of C Horizon Till Samples

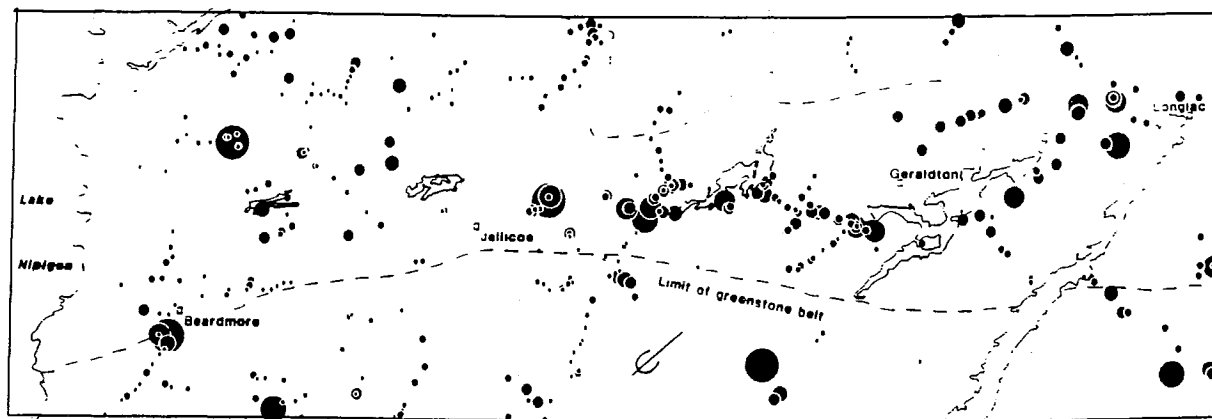
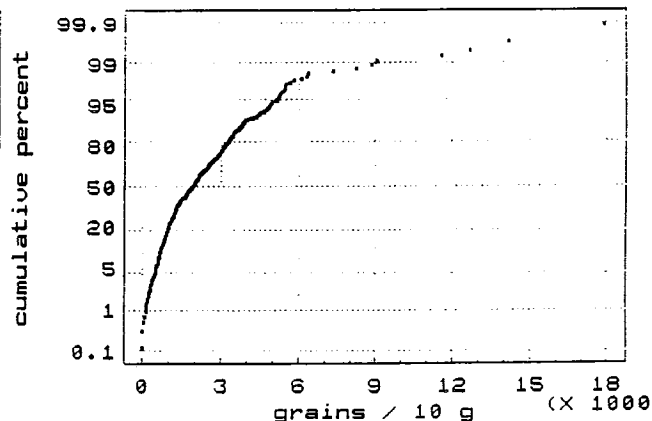
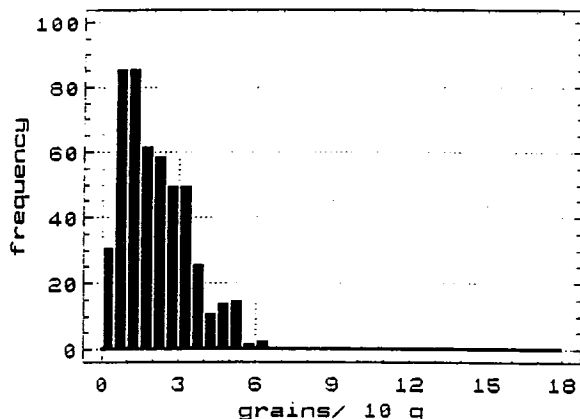
Variable: Yellow fluorescent grains
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method:
Analytical preparation method:
Analytical method:
Units:

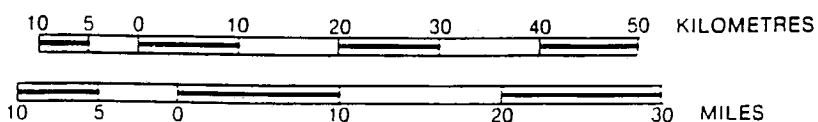
Shaking table, methylene iodide, hand magnet

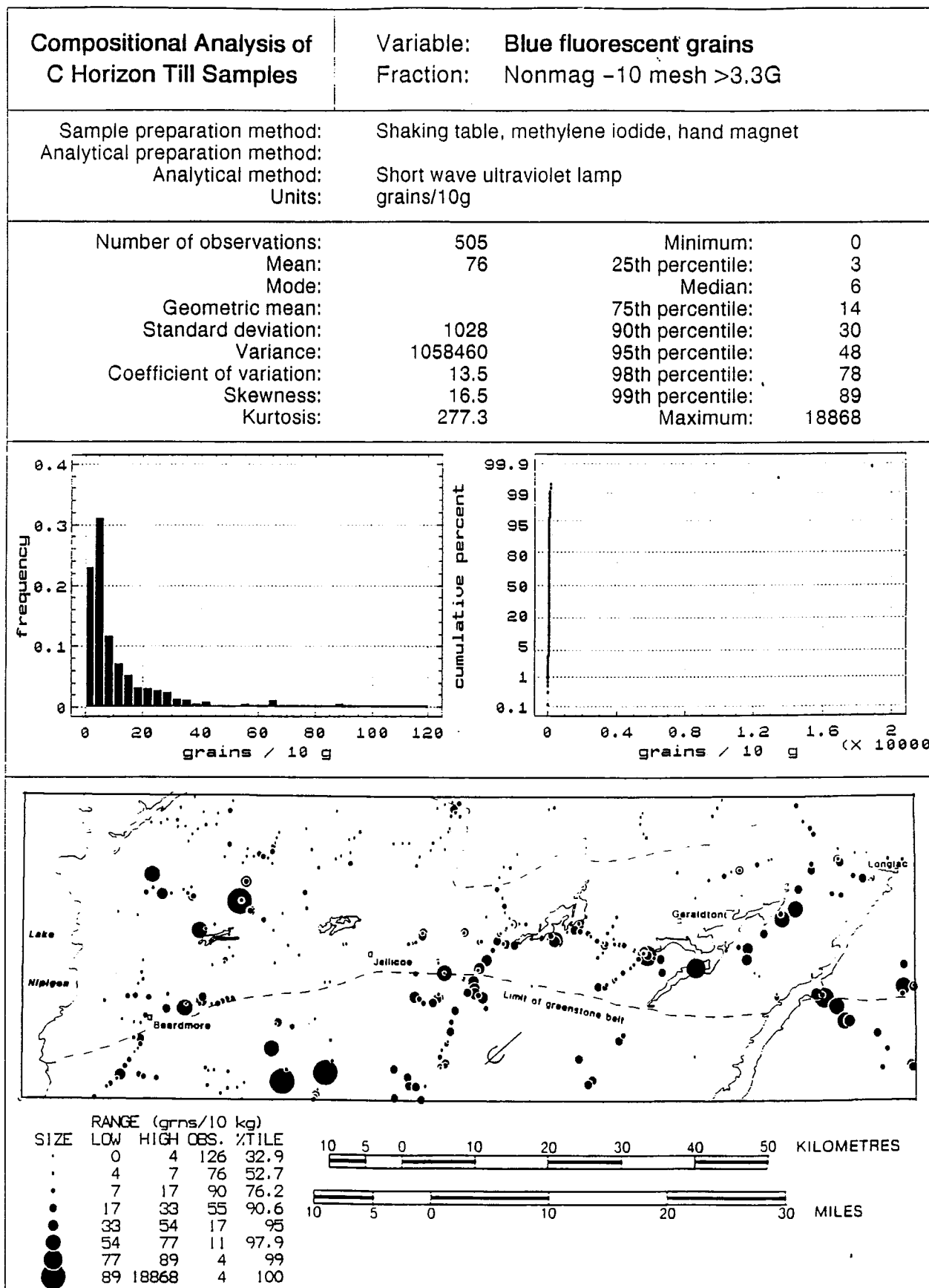
Short wave ultraviolet lamp
grains/10g

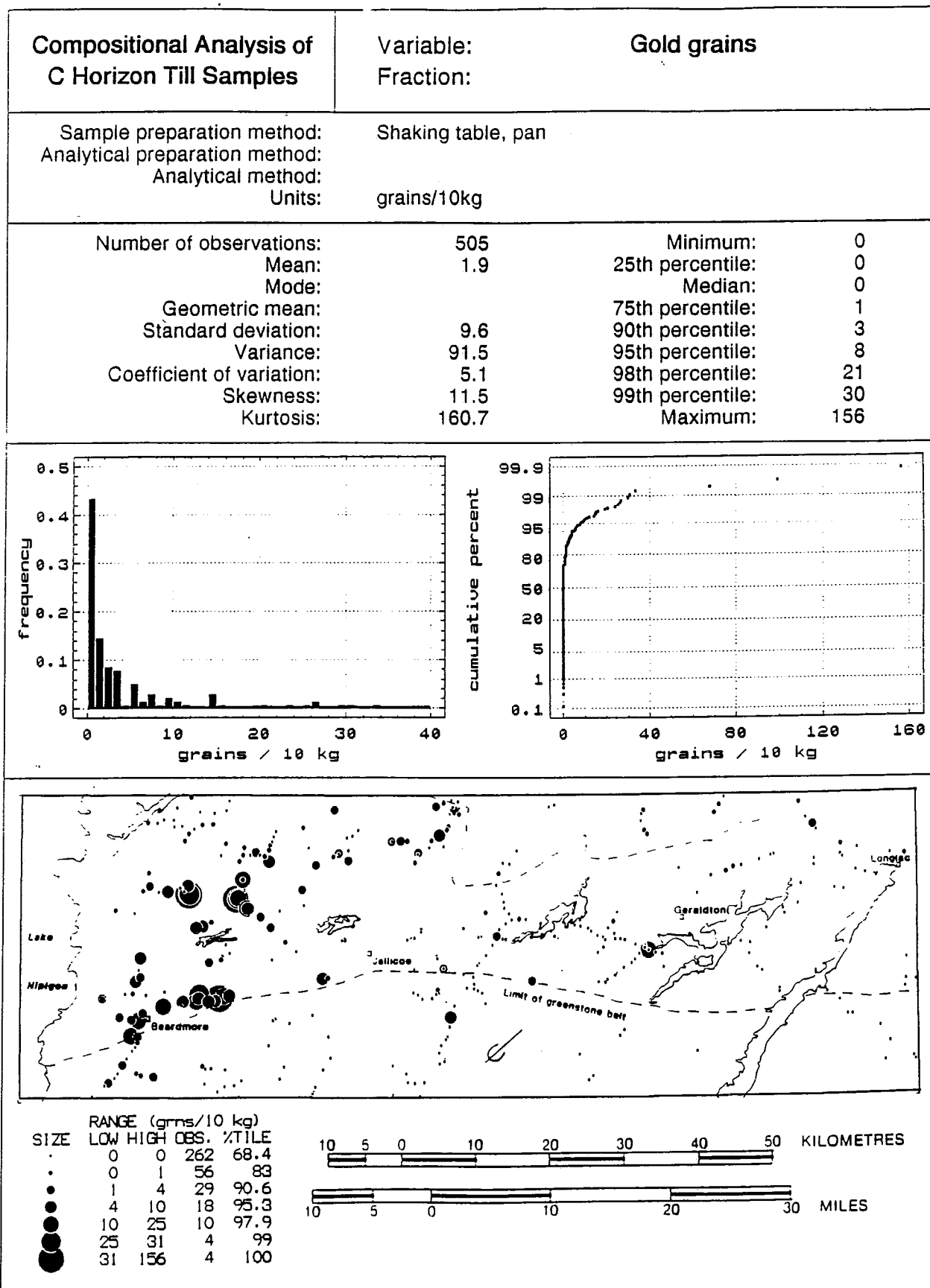
Number of observations:	505	Minimum:	0
Mean:	2251	25th percentile:	1060
Mode:		Median:	1910
Geometric mean:		75th percentile:	3030
Standard deviation:	1794	90th percentile:	4180
Variance:	3217750	95th percentile:	5170
Coefficient of variation:	0.8	98th percentile:	6100
Skewness:	3.1	99th percentile:	8820
Kurtosis:	18.1	Maximum:	17860



RANGE (grns/10 kg)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0	1150	98	25.6
•	1150	2050	95	50.4
•	2050	3080	94	74.9
•	3080	4490	58	90.1
•	4490	5260	19	95
•	5260	6360	11	97.9
•	6360	9010	4	99
•	9010	17860	4	100





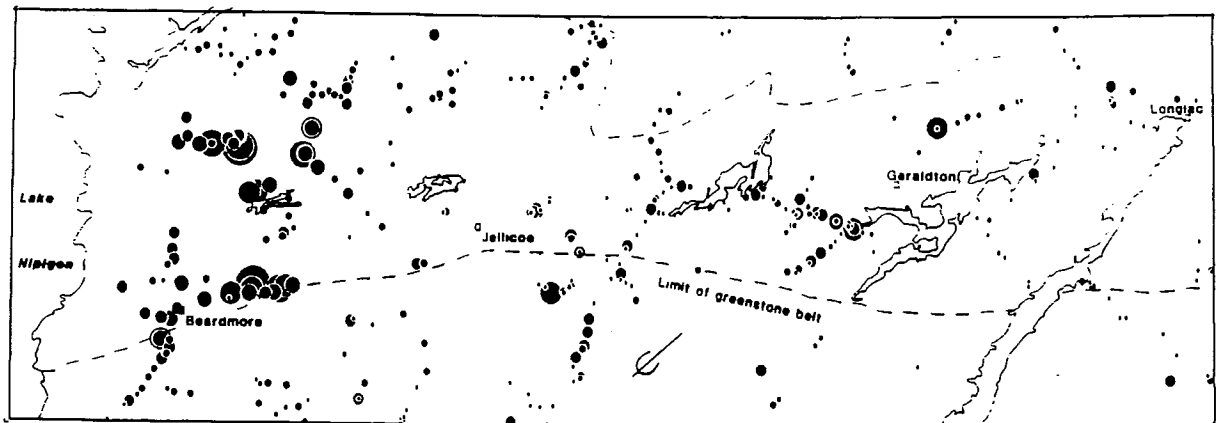
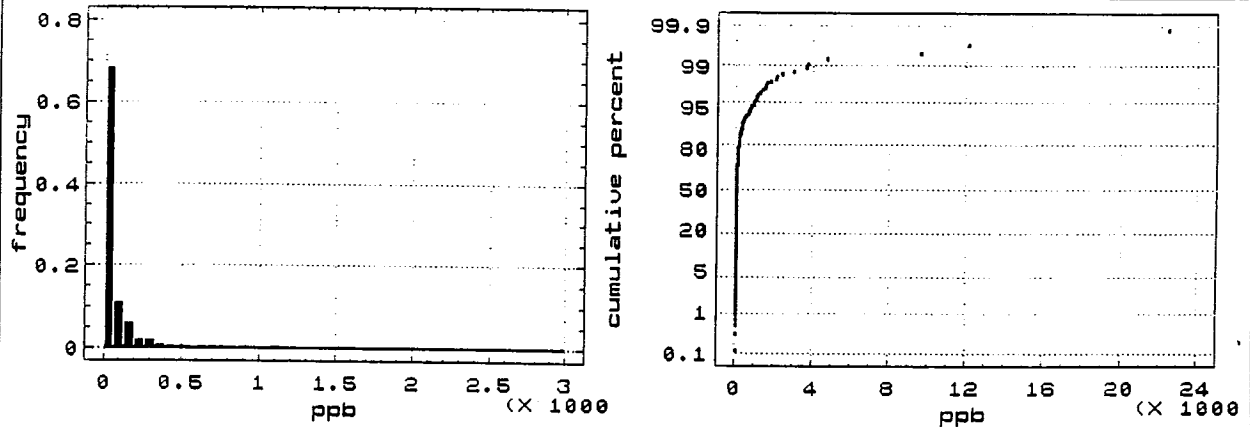


Compositional Analysis of C Horizon Till Samples

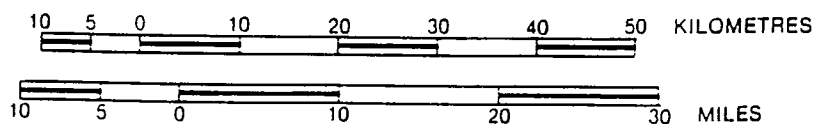
Variable: Gold
Fraction: Nonmag -10 mesh >3.3G

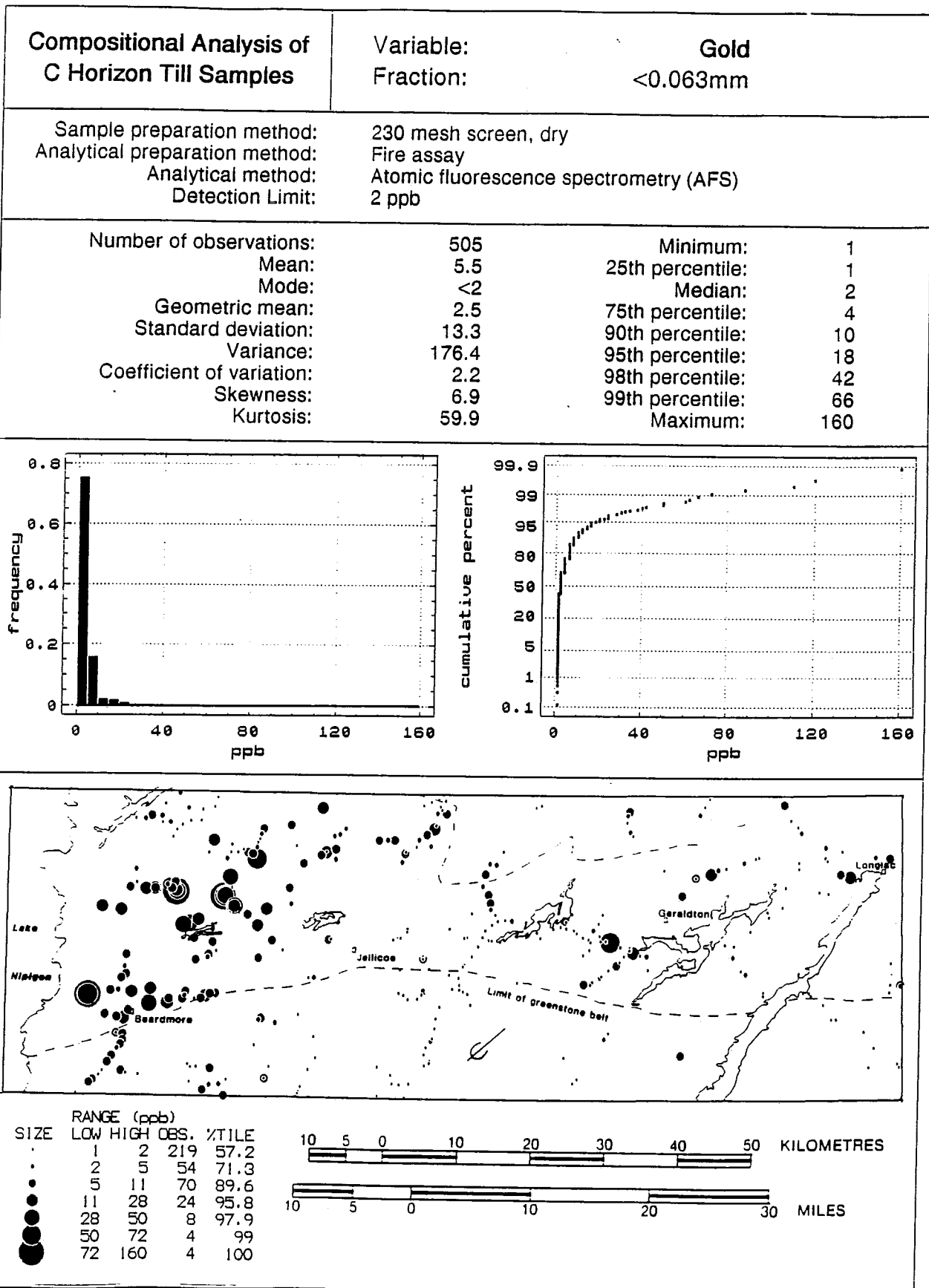
Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 5 ppb

Number of observations:	505	Minimum:	3
Mean:	247	25th percentile:	3
Mode:	<5	Median:	29
Geometric mean:	26	75th percentile:	110
Standard deviation:	1281	90th percentile:	370
Variance:	1641830	95th percentile:	907
Coefficient of variation:	5.2	98th percentile:	1760
Skewness:	13.0	99th percentile:	3680
Kurtosis:	200.8	Maximum:	22500



RANGE (ppb)				
SIZE	LOW	HIGH	OBS.	%TILE
•	3	3	134	35
•	3	38	59	50.4
•	38	130	95	75.2
•	130	599	57	90.1
•	599	1070	19	95
•	1070	2110	11	97.9
•	2110	3730	4	99
•	3730	22500	4	100



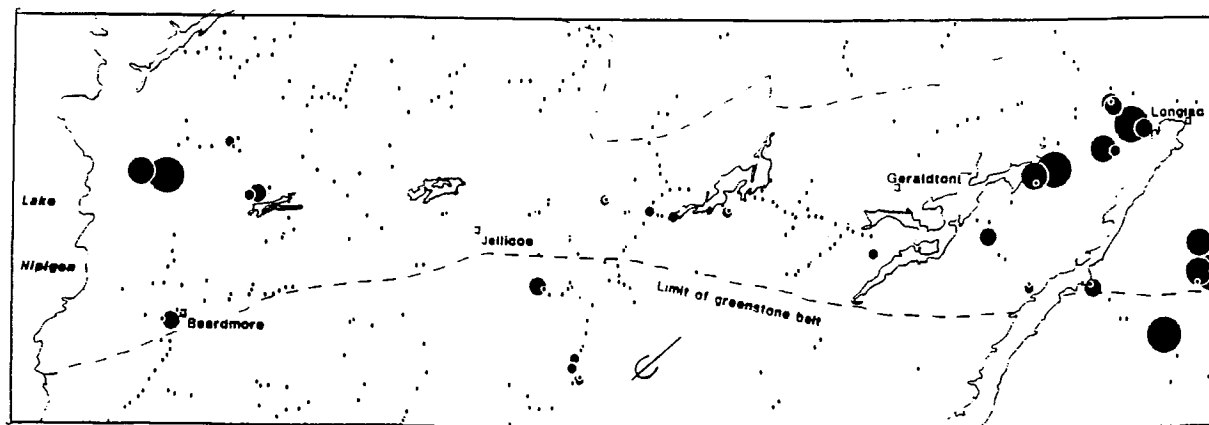
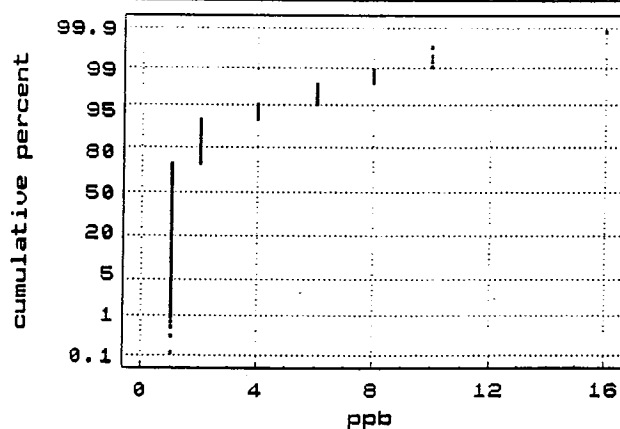
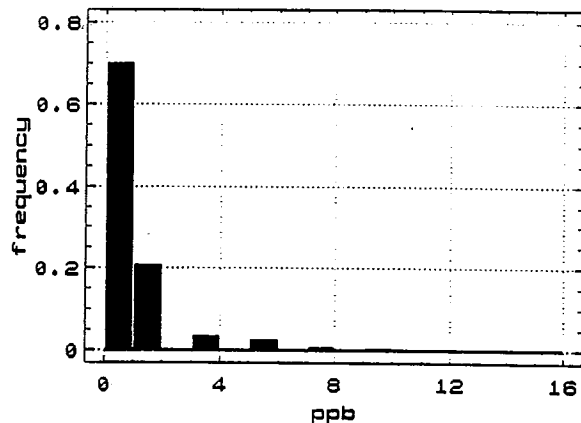


Compositional Analysis of C Horizon Till Samples

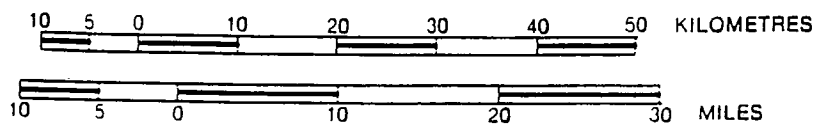
Variable: **Palladium**
Fraction: **<0.063mm**

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Fire assay
Analytical method: Atomic fluorescence spectrometry (AFS)
Detection Limit: 2 ppb

Number of observations:	505	Minimum:	1
Mean:	<2	25th percentile:	1
Mode:	<2	Median:	1
Geometric mean:	<2	75th percentile:	2
Standard deviation:	1.6	90th percentile:	2
Variance:	2.5	95th percentile:	4
Coefficient of variation:	1.0	98th percentile:	6
Skewness:	4.1	99th percentile:	8
Kurtosis:	22.4	Maximum:	16



RANGE (ppb)		OBS.	%TILE
LOW	HIGH		
1	3	352	91.9
3	5	13	95.3
5	7	8	97.4
7	9	5	98.7
9	16	5	100



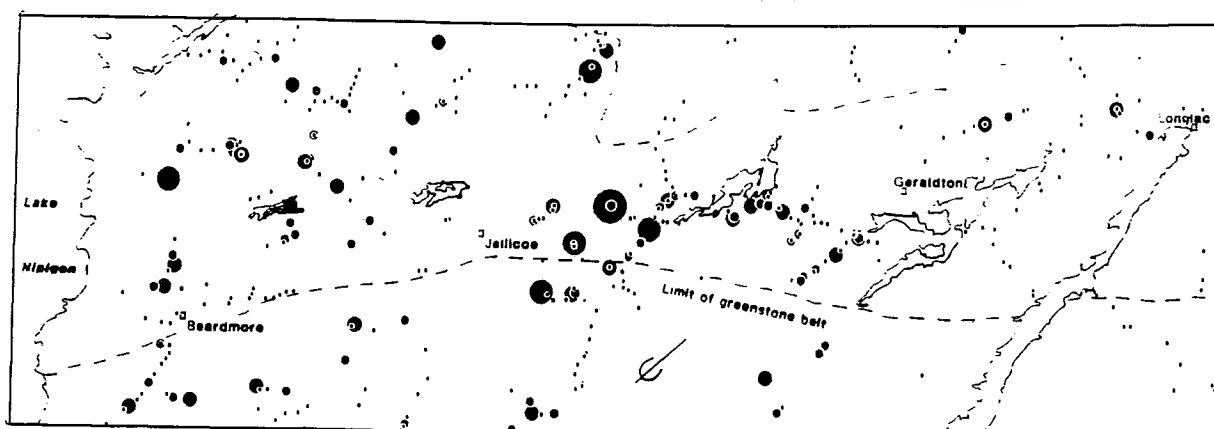
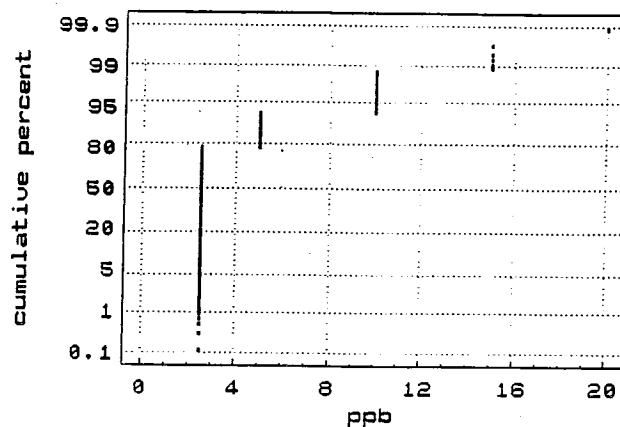
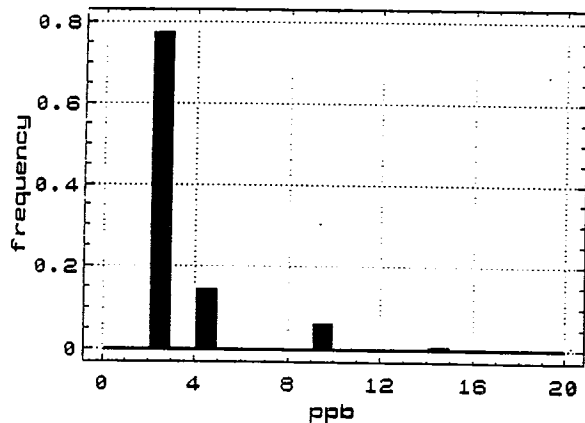
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

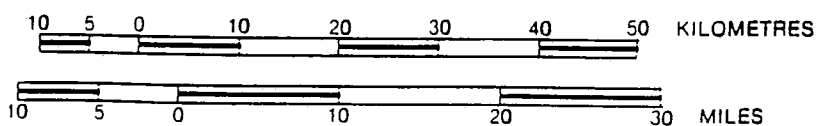
Platinum
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Fire assay
Analytical method: Atomic fluorescence spectrometry (AFS)
Detection Limit: 5 ppb

Number of observations:	505	Minimum:	3
Mean:	<5	25th percentile:	3
Mode:	<5	Median:	3
Geometric mean:	<5	75th percentile:	3
Standard deviation:	2.4	90th percentile:	5
Variance:	5.7	95th percentile:	10
Coefficient of variation:	0.7	98th percentile:	10
Skewness:	3.0	99th percentile:	15
Kurtosis:	10.5	Maximum:	20



RANGE (ppb)				
SIZE	LOW	HIGH	OBS.	%TILE
●	3	3	293	76.5
●	3	5	53	90.3
●	5	10	31	98.4
●	10	15	5	99.7
●	15	20	1	100

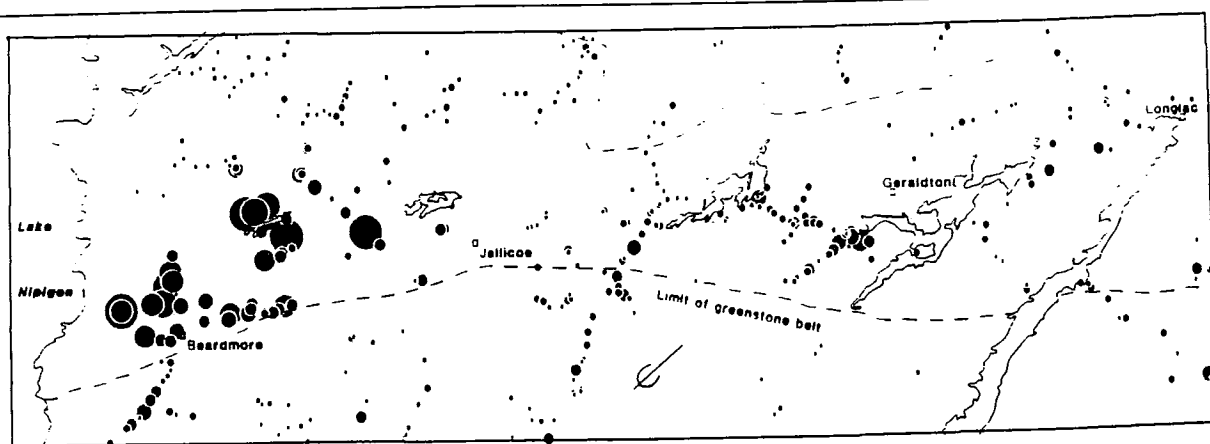
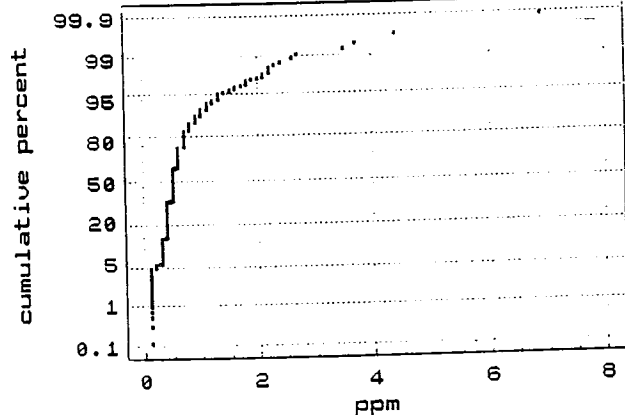
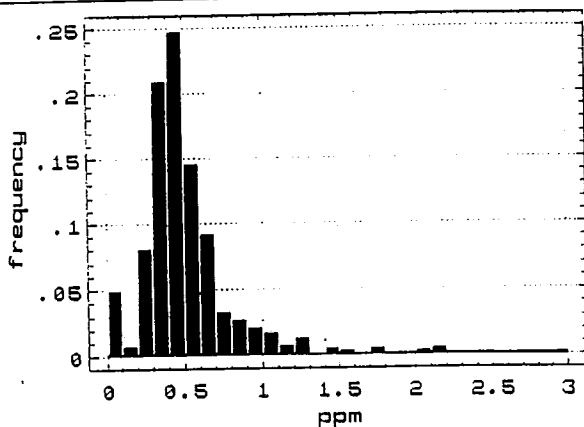


Compositional Analysis of C Horizon Till Samples

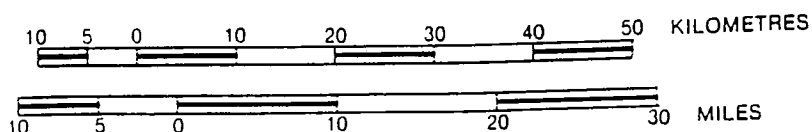
Variable: **Antimony**
Fraction: Nonmag -10 mesh >3.3G

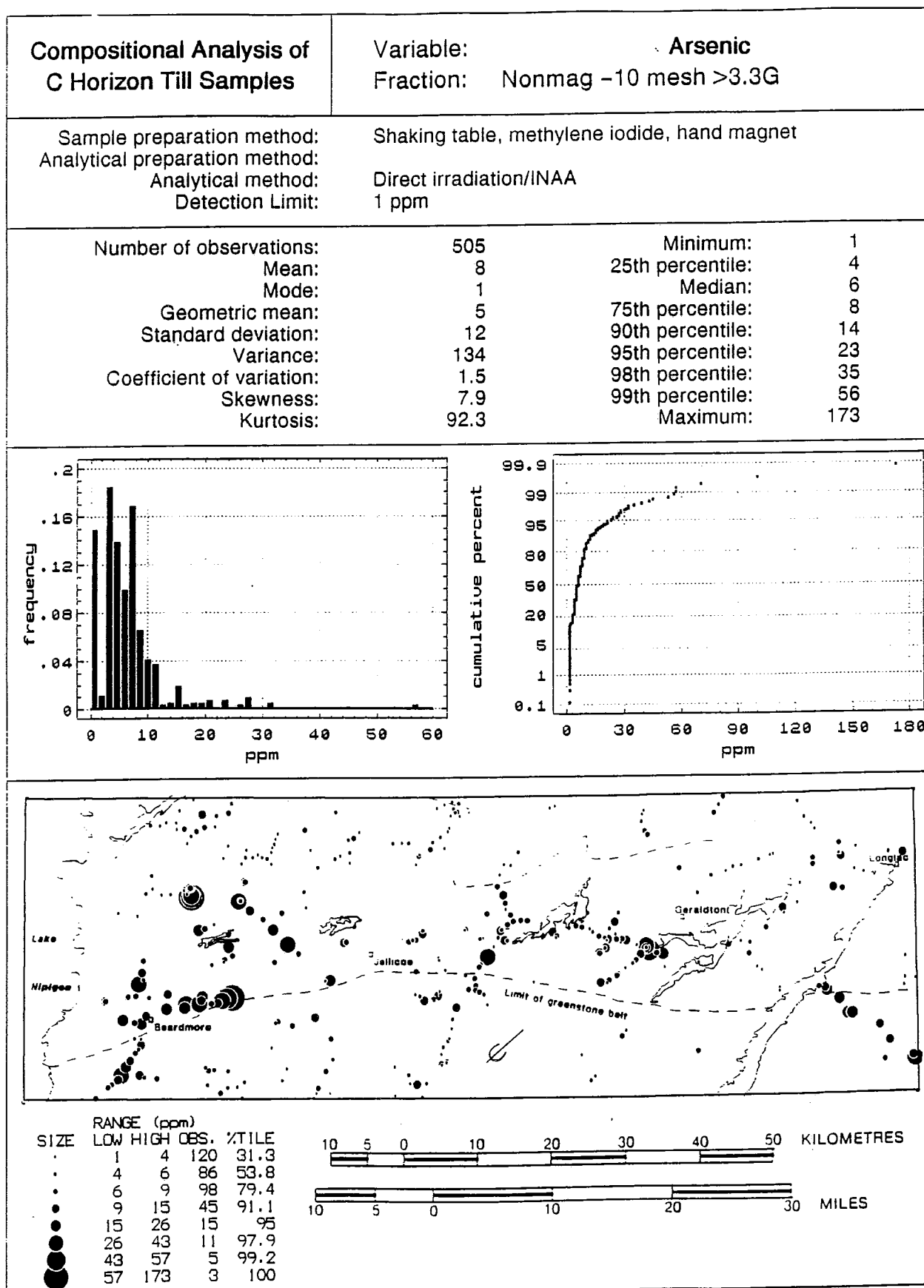
Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 0.2 ppm

Number of observations:	505	Minimum:	0.1
Mean:	0.62	25th percentile:	0.4
Mode:	0.50	Median:	0.5
Geometric mean:	0.52	75th percentile:	0.7
Standard deviation:	0.53	90th percentile:	1.0
Variance:	0.28	95th percentile:	1.3
Coefficient of variation:	0.9	98th percentile:	2.2
Skewness:	5.6	99th percentile:	2.6
Kurtosis:	49.2	Maximum:	6.9



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	0.1	0.4	125	32.6
•	0.4	0.5	95	57.4
•	0.5	0.7	90	80.9
•	0.7	1.1	38	90.9
•	1.1	1.6	16	95
•	1.6	2.2	11	97.9
•	2.2	2.7	4	99
•	2.7	6.9	4	100



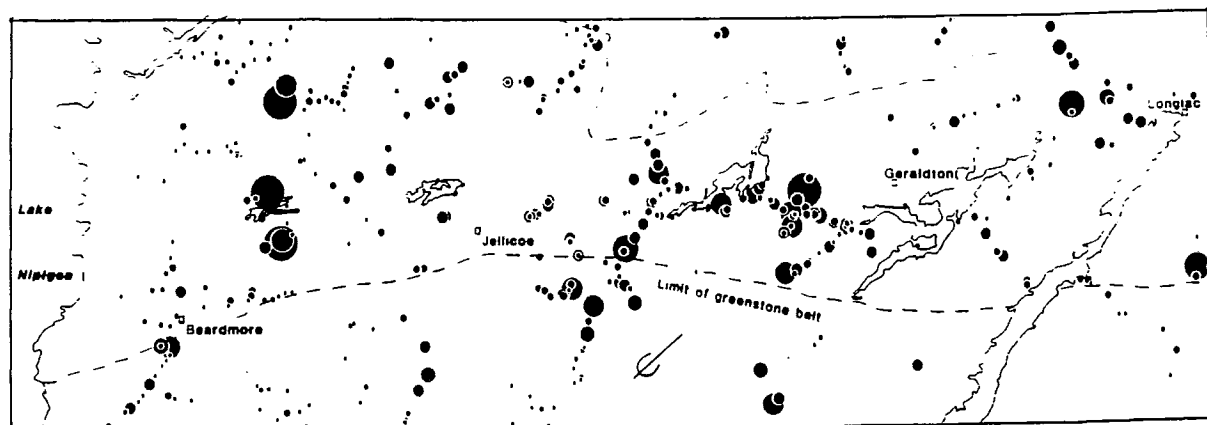
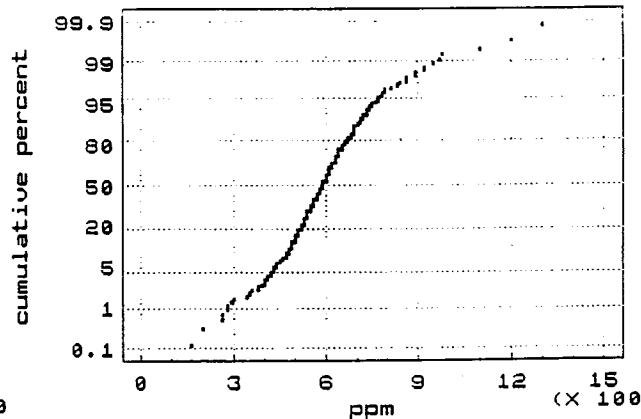
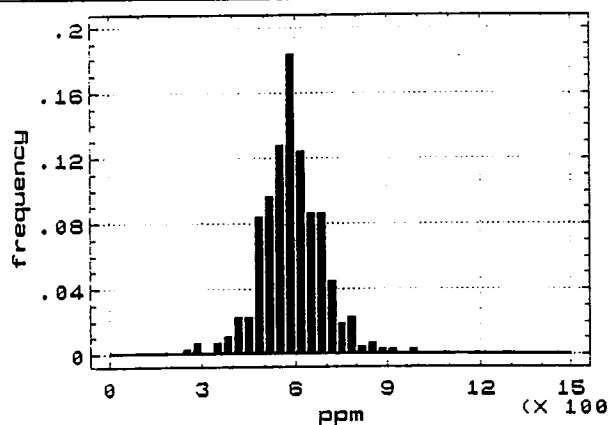


Compositional Analysis of C Horizon Till Samples

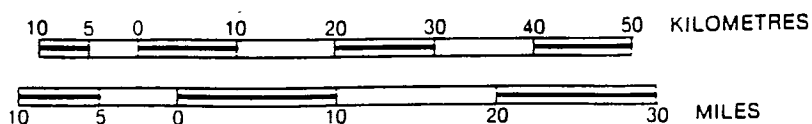
Variable: **Chromium**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 50 ppm

Number of observations:	505	Minimum:	160
Mean:	594	25th percentile:	530
Mode:	600	Median:	590
Geometric mean:	582	75th percentile:	640
Standard deviation:	116	90th percentile:	720
Variance:	13551	95th percentile:	770
Coefficient of variation:	0.2	98th percentile:	860
Skewness:	0.8	99th percentile:	950
Kurtosis:	5.4	Maximum:	1300



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	160	520	102	26.6
•	520	580	97	52
•	580	630	95	76.8
•	630	690	60	92.4
•	690	720	11	95.3
•	720	770	11	98.2
•	770	830	3	99
•	830	920	4	100

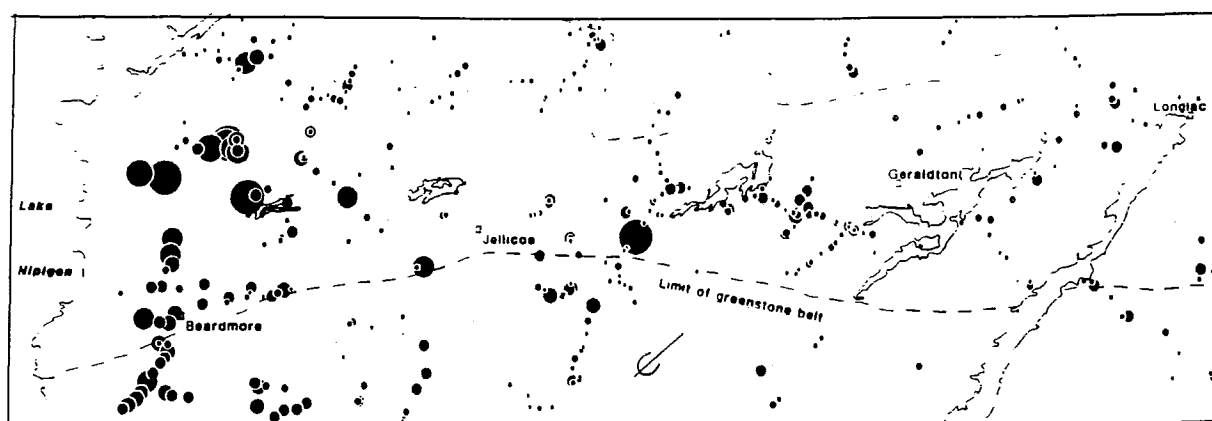
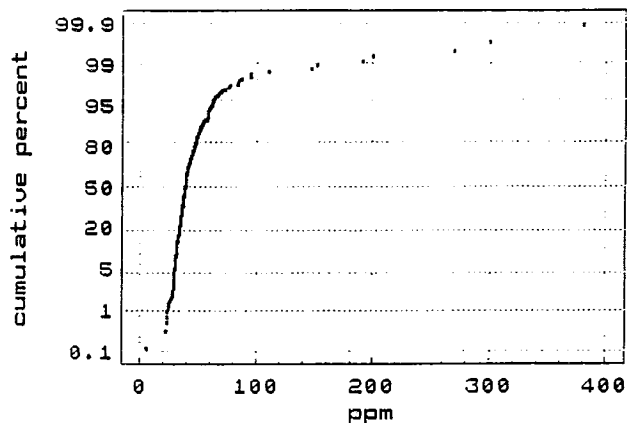
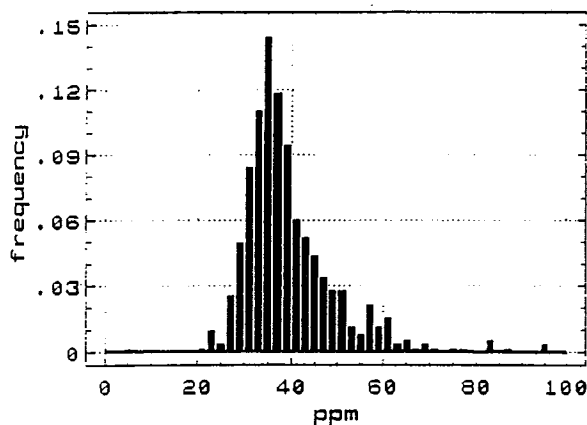


Compositional Analysis of C Horizon Till Samples

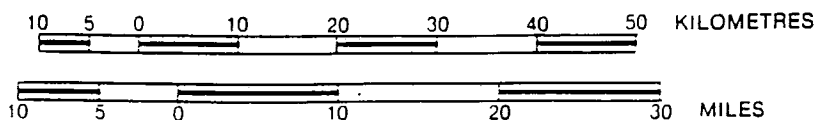
Variable: **Cobalt**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 10 ppm

Number of observations:	505	Minimum:	5
Mean:	43	25th percentile:	34
Mode:	36	Median:	38
Geometric mean:	40	75th percentile:	44
Standard deviation:	27	90th percentile:	56
Variance:	721	95th percentile:	62
Coefficient of variation:	0.6	98th percentile:	87
Skewness:	8.0	99th percentile:	152
Kurtosis:	79.4	Maximum:	380



SIZE	RANGE (ppm)		LOW	HIGH	OBS.	%TILE
•	5	34	98	25.6		
•	34	38	108	53.8		
•	38	44	82	75.2		
•	44	54	57	90.1		
•	54	62	19	95		
•	62	87	11	97.9		
•	87	147	4	99		
•	147	270	4	100		

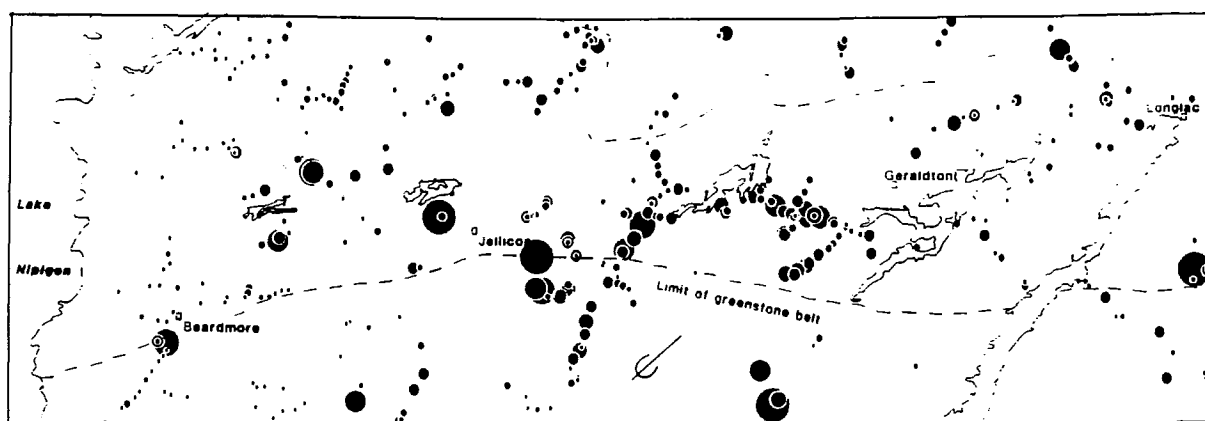
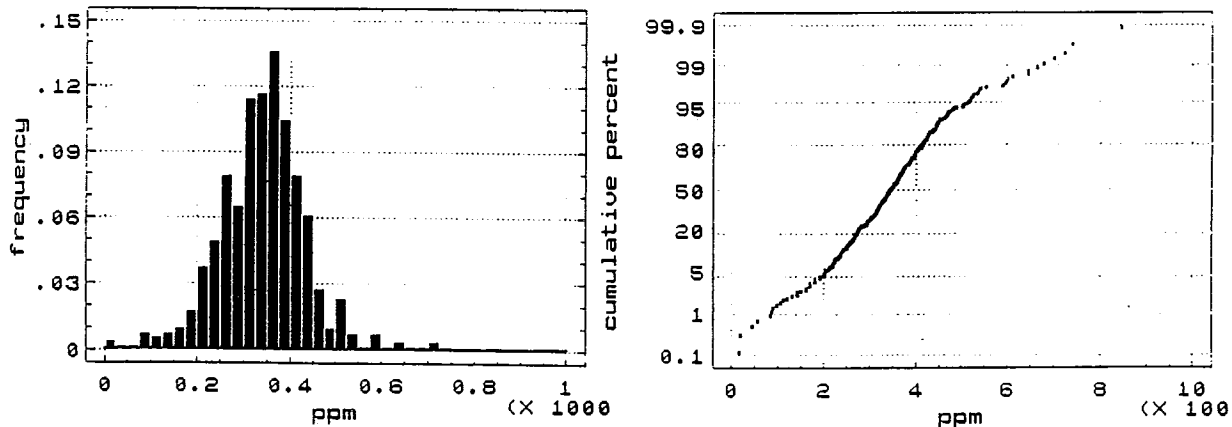


Compositional Analysis of C Horizon Till Samples

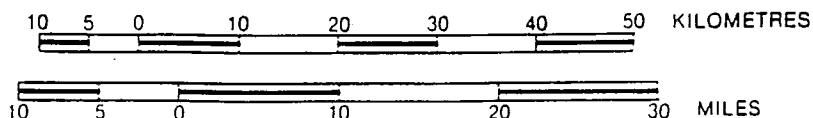
Variable: **Hafnium**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	16
Mean:	346	25th percentile:	287
Mode:	373	Median:	345
Geometric mean:	327	75th percentile:	398
Standard deviation:	102	90th percentile:	449
Variance:	10305	95th percentile:	513
Coefficient of variation:	0.3	98th percentile:	596
Skewness:	0.4	99th percentile:	665
Kurtosis:	2.7	Maximum:	846



SIZE	RANGE (ppm)	LOW	HIGH	OBS.	%TILE
•	16	275	97	25.3	
•	275	343	94	49.9	
•	343	397	96	74.9	
•	397	448	58	90.1	
•	448	513	19	95	
•	513	553	11	97.9	
•	553	610	4	99	
•	610	701	4	100	

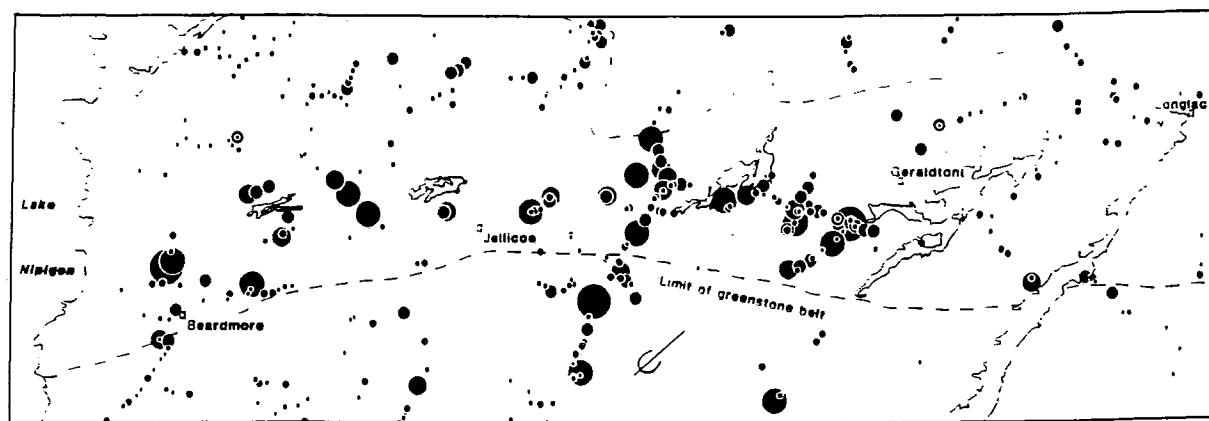
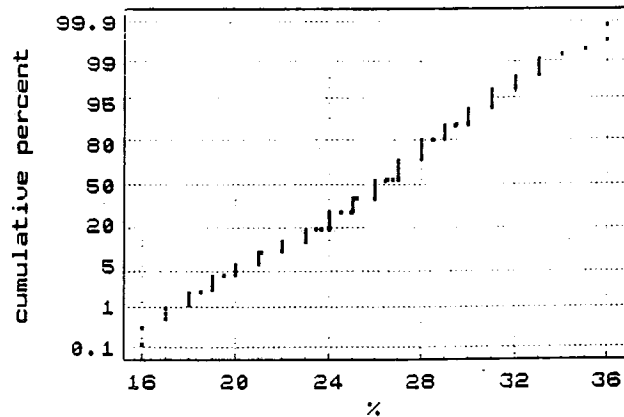
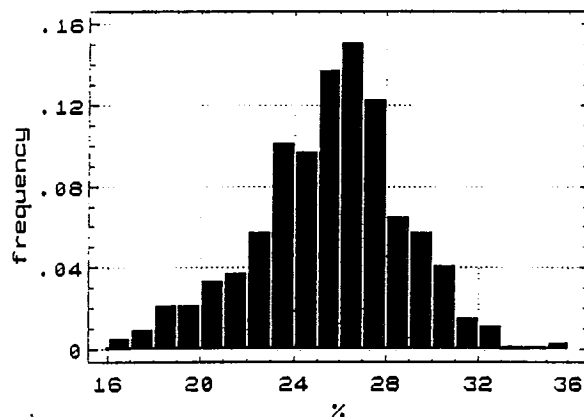


Compositional Analysis of C Horizon Till Samples

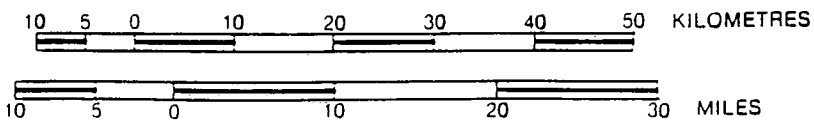
Variable: **Iron**
Fraction: **Nonmag -10 mesh >3.3G**

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 1%

Number of observations:	505	Minimum:	16
Mean:	26	25th percentile:	24
Mode:	27	Median:	26
Geometric mean:	26	75th percentile:	28
Standard deviation:	3	90th percentile:	30
Variance:	11	95th percentile:	31
Coefficient of variation:	0.1	98th percentile:	32
Skewness:	-0.3	99th percentile:	33
Kurtosis:	0.4	Maximum:	36



SIZE	RANGE (wt. %)	LOW	HIGH	OBS.	%TILE
16	24	102	26.6		
24	26	95	51.4		
26	28	101	77.8		
28	30	52	91.4		
30	31	16	95.6		
31	33	14	99.2		
33	36	3	100		

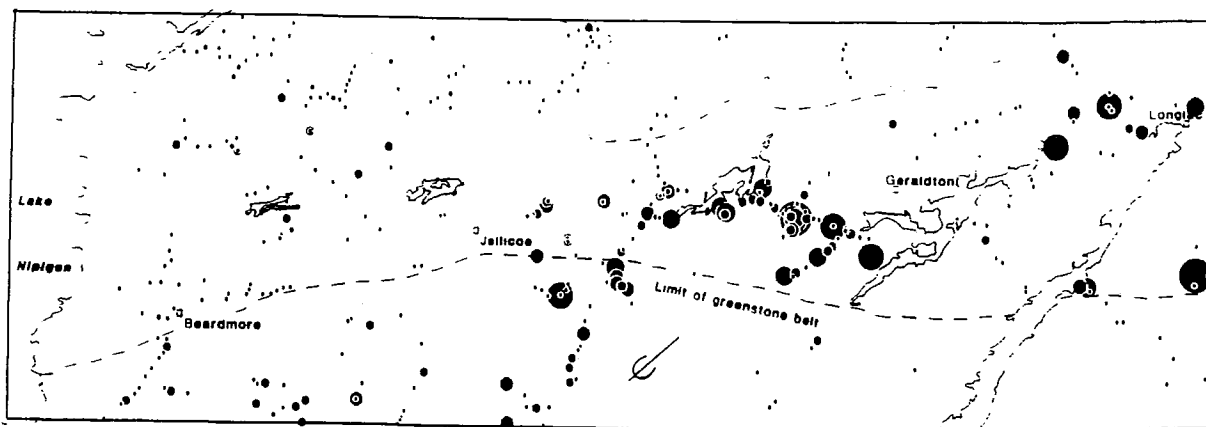
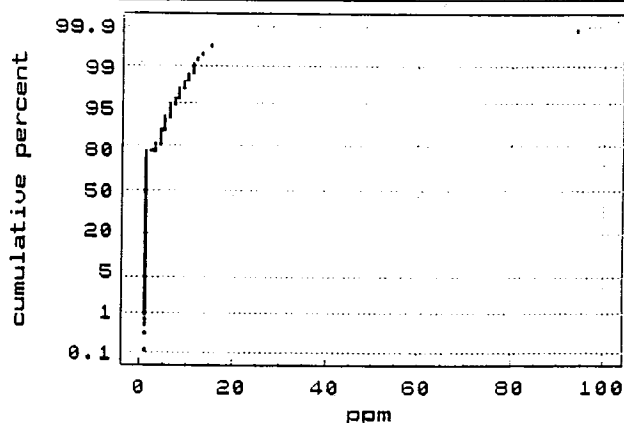
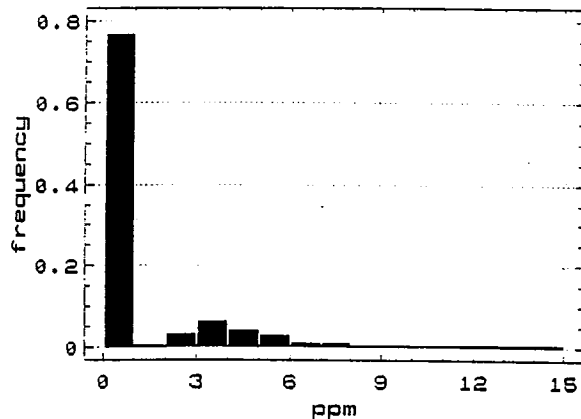


Compositional Analysis of C Horizon Till Samples

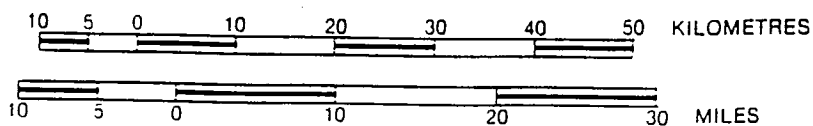
Variable: **Molybdenum**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	1
Mean:	2.2	25th percentile:	1
Mode:	<2	Median:	1
Geometric mean:	<2	75th percentile:	1
Standard deviation:	4.6	90th percentile:	5
Variance:	21.5	95th percentile:	7
Coefficient of variation:	2.1	98th percentile:	9
Skewness:	15.6	99th percentile:	11
Kurtosis:	304.5	Maximum:	94



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
1	1	1	280	73.1
2	1	3	18	77.8
3	3	5	49	90.6
4	5	7	18	95.3
5	7	9	10	97.9
6	9	11	6	99.5
7	11	15	2	100

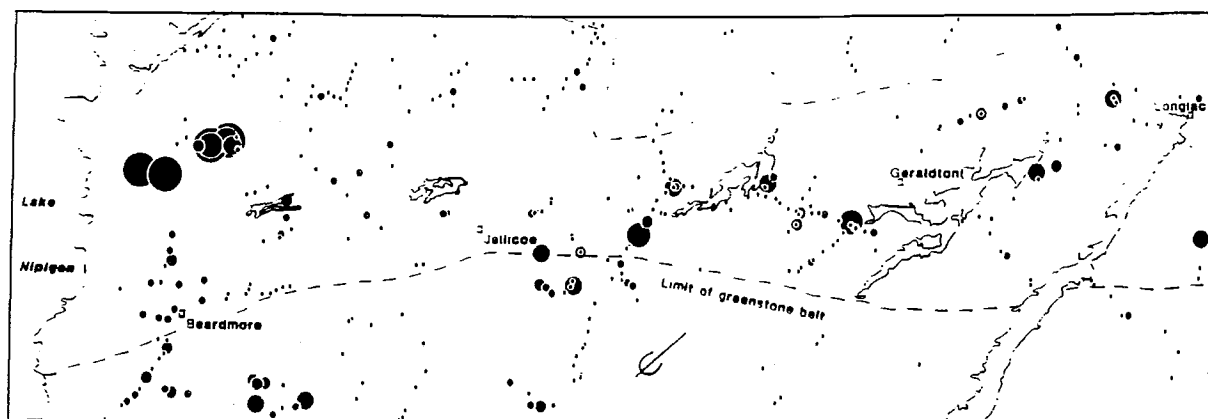
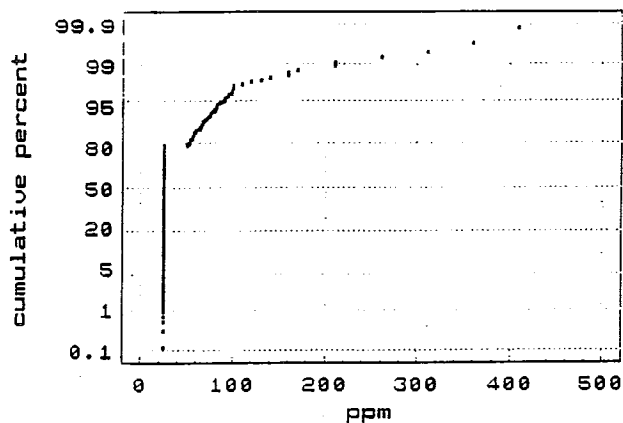
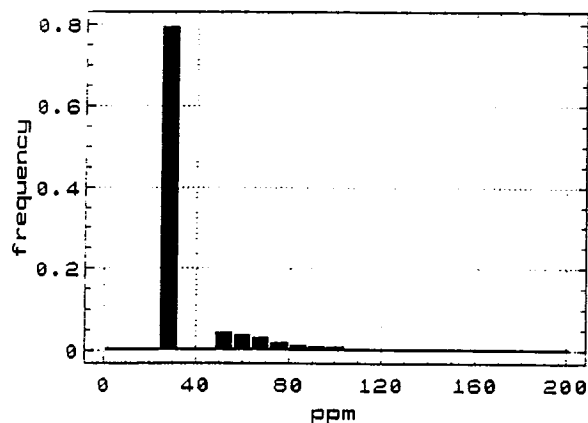


Compositional Analysis of C Horizon Till Samples

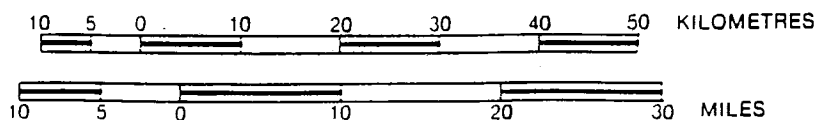
Variable: **Nickel**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 50 ppm

Number of observations:	505	Minimum:	25
Mean:	<50	25th percentile:	25
Mode:	<50	Median:	25
Geometric mean:	<50	75th percentile:	25
Standard deviation:	37	90th percentile:	69
Variance:	1342	95th percentile:	90
Coefficient of variation:	1.0	98th percentile:	130
Skewness:	5.6	99th percentile:	210
Kurtosis:	42.2	Maximum:	408



SIZE	RANGE (ppm)		OBS.	%TILE
•	25	25	290	75.7
•	25	75	58	90.9
•	75	90	17	95.3
•	90	140	10	97.9
•	140	210	4	99
•	210	408	4	100

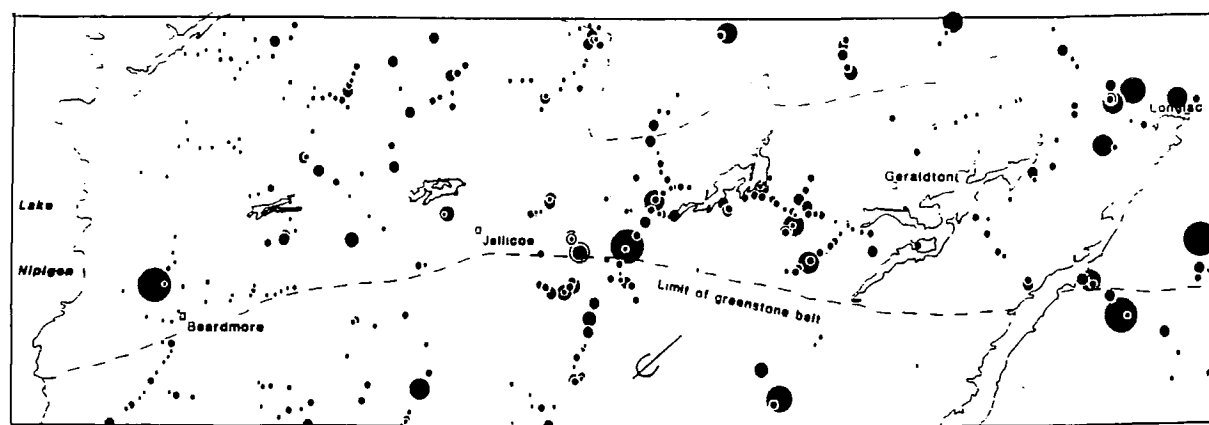
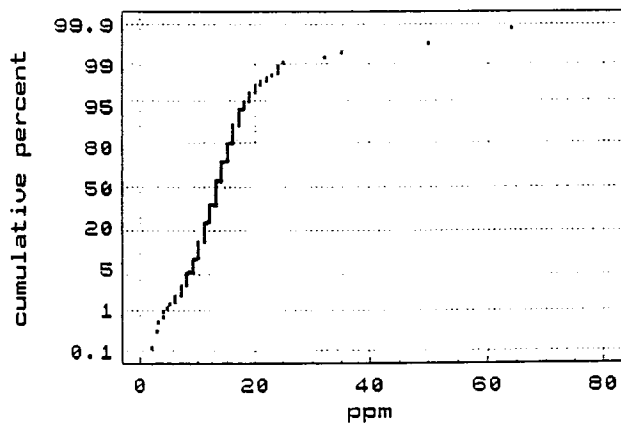
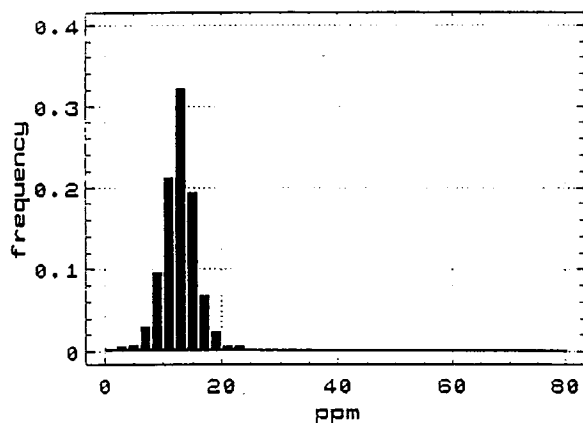


Compositional Analysis of C Horizon Till Samples

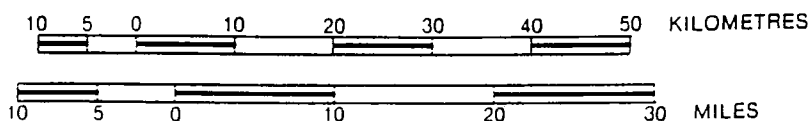
Variable: **Tantalum**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 1 ppm

Number of observations:	505	Minimum:	2
Mean:	13.5	25th percentile:	12
Mode:	13.0	Median:	13
Geometric mean:	13.0	75th percentile:	15
Standard deviation:	4.3	90th percentile:	17
Variance:	18.8	95th percentile:	19
Coefficient of variation:	0.3	98th percentile:	22
Skewness:	4.7	99th percentile:	24
Kurtosis:	47.0	Maximum:	64



	RANGE (ppm)		OBS.	%TILE
SIZE	LOW	HIGH		
•	2	11	96	25.1
•	11	13	107	53
•	13	15	103	79.9
•	15	17	51	93.2
•	17	18	9	95.6
•	18	20	11	98.4
•	20	22	2	99
•	22	32	4	100

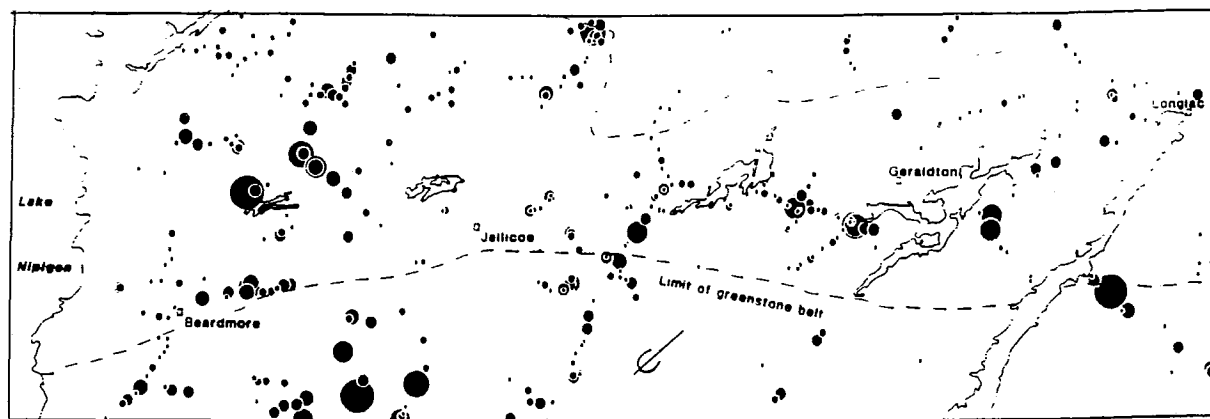
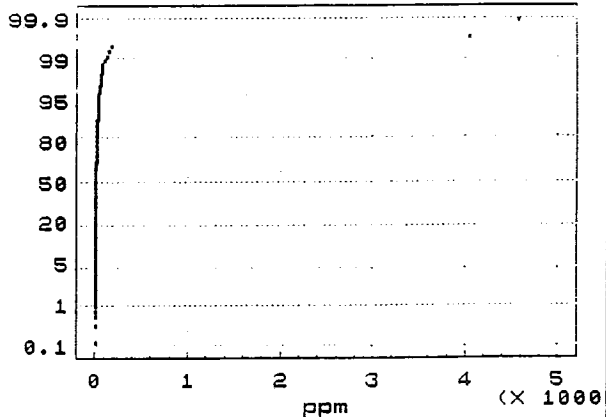
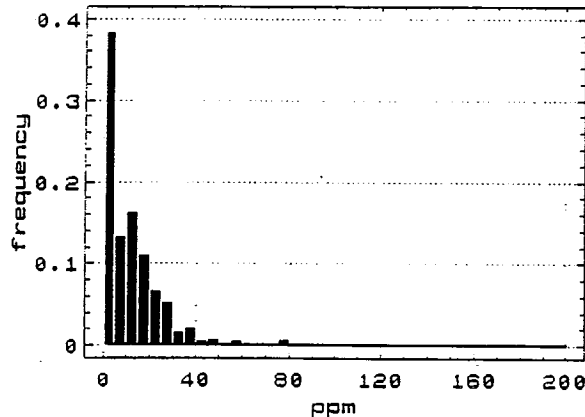


Compositional Analysis of C Horizon Till Samples

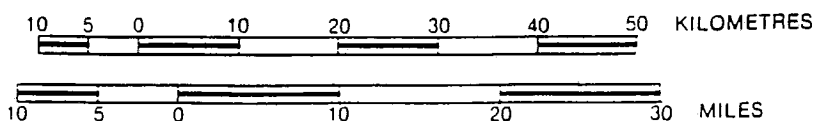
Variable: **Tungsten**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	1
Mean:	30.6	25th percentile:	1
Mode:	<2	Median:	10
Geometric mean:	6.1	75th percentile:	19
Standard deviation:	271.2	90th percentile:	30
Variance:	73571.7	95th percentile:	42
Coefficient of variation:	8.9	98th percentile:	67
Skewness:	15.8	99th percentile:	100
Kurtosis:	251.7	Maximum:	4580



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
•	1	1	153	39.9
•	1	11	44	51.4
•	11	19	91	75.2
•	19	31	59	90.6
•	31	49	17	95
•	49	76	11	97.9
•	76	130	4	99
•	130	4580	4	100

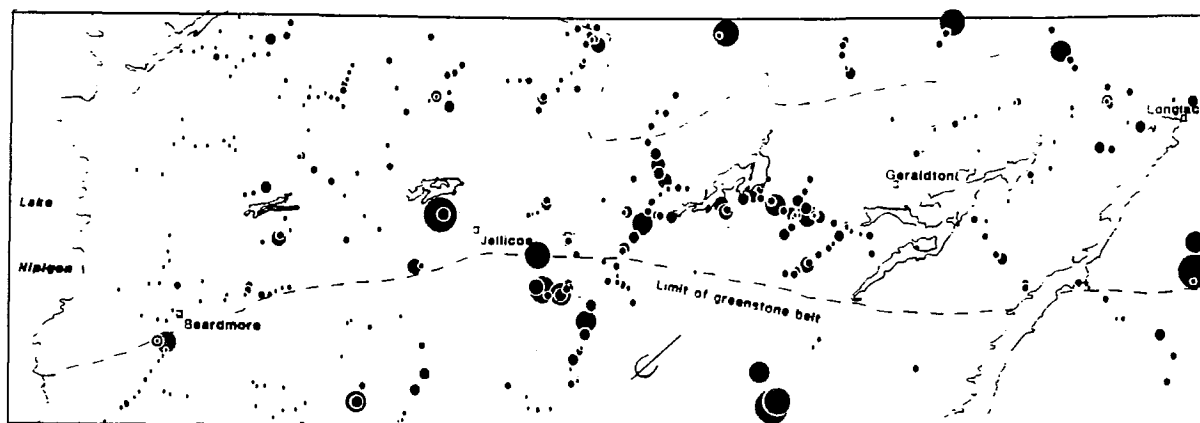
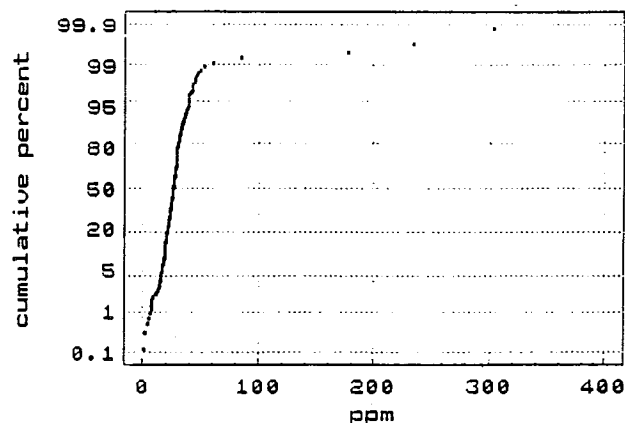
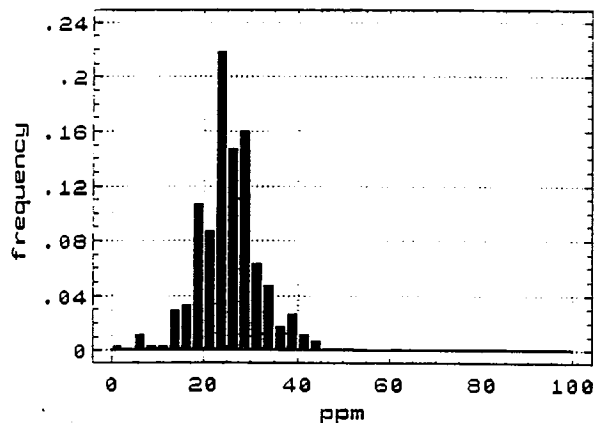


Compositional Analysis of C Horizon Till Samples

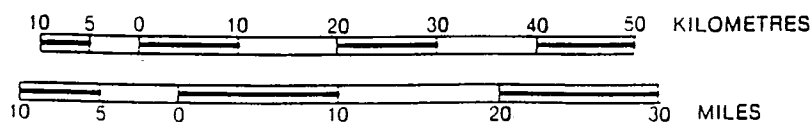
Variable: Uranium
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 1 ppm

Number of observations:	505	Minimum:	1
Mean:	27.0	25th percentile:	22
Mode:	25.0	Median:	25
Geometric mean:	24.8	75th percentile:	29
Standard deviation:	18.4	90th percentile:	34
Variance:	337.6	95th percentile:	38
Coefficient of variation:	0.7	98th percentile:	44
Skewness:	10.7	99th percentile:	52
Kurtosis:	140.8	Maximum:	303



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
1	21	113	29.5	
21	24	79	50.1	
24	28	123	82.2	
28	31	40	92.7	
31	32	10	95.3	
32	35	10	97.9	
35	38	5	99.2	
38	42	3	100	

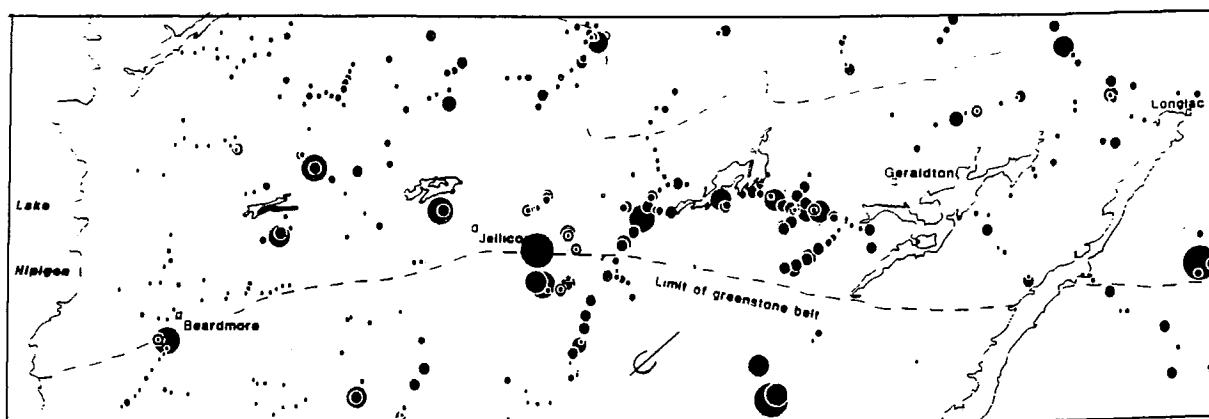
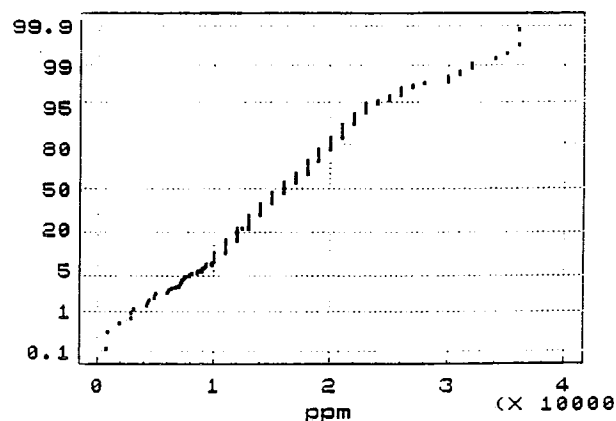
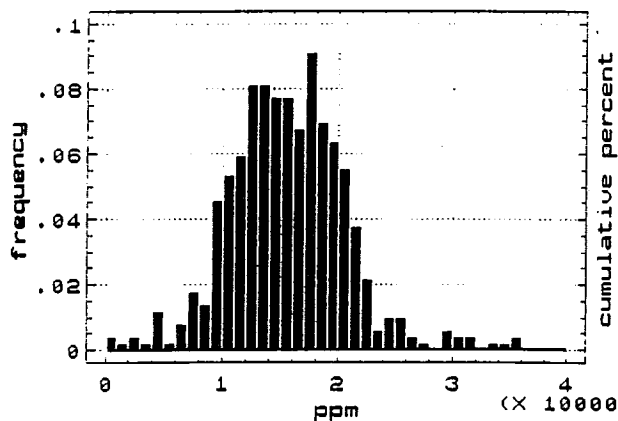


Compositional Analysis of C Horizon Till Samples

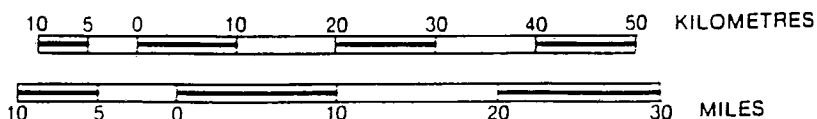
Variable: Zirconium
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 500 ppm

Number of observations:	505	Minimum:	700
Mean:	16106	25th percentile:	13000
Mode:	18000	Median:	16000
Geometric mean:	15088	75th percentile:	19000
Standard deviation:	5184	90th percentile:	22000
Variance:	26876000	95th percentile:	24000
Coefficient of variation:	0.3	98th percentile:	30000
Skewness:	0.4	99th percentile:	32000
Kurtosis:	1.5	Maximum:	36000



	RANGE (ppm)			
SIZE	LOW	HIGH	OBS.	%TILE
•	700	13000	101	26.4
•	13000	17000	115	56.4
•	17000	19000	71	74.9
•	19000	22000	67	92.4
•	22000	24000	10	95
•	24000	27000	11	97.9
•	27000	31000	5	99.2
•	31000	36000	3	100

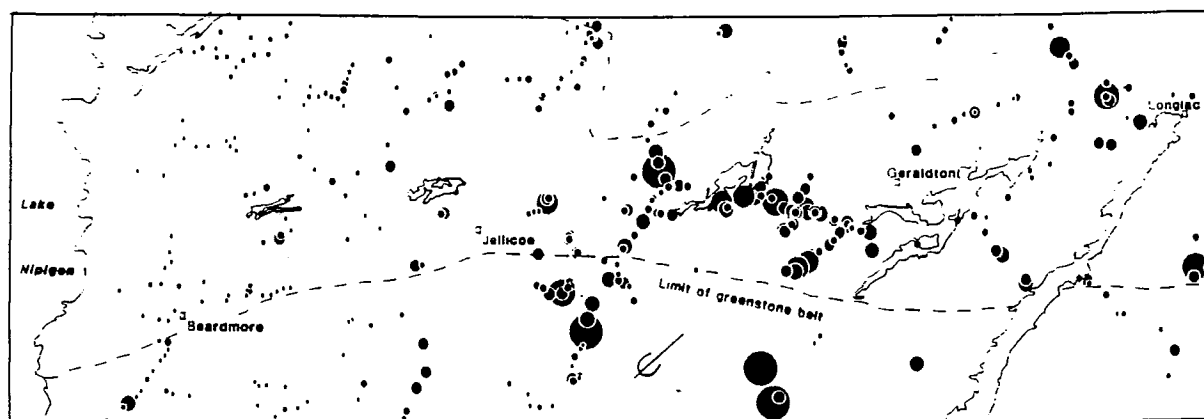
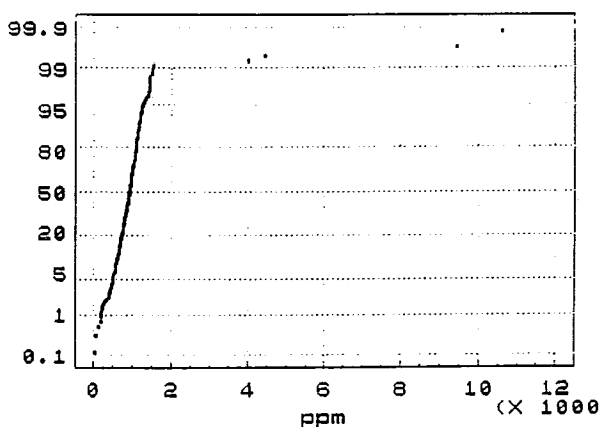
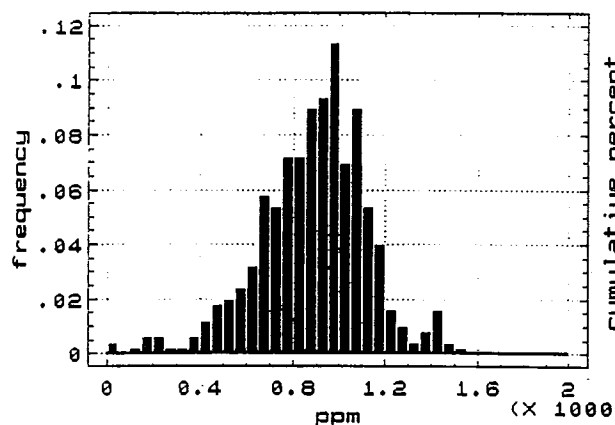


Compositional Analysis of C Horizon Till Samples

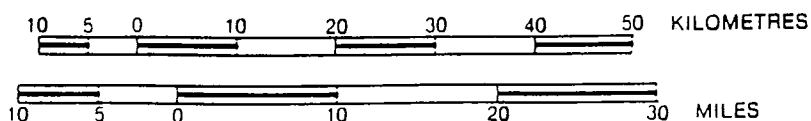
Variable: **Cerium**
Fraction: Nonmag -10 mesh >3.3G

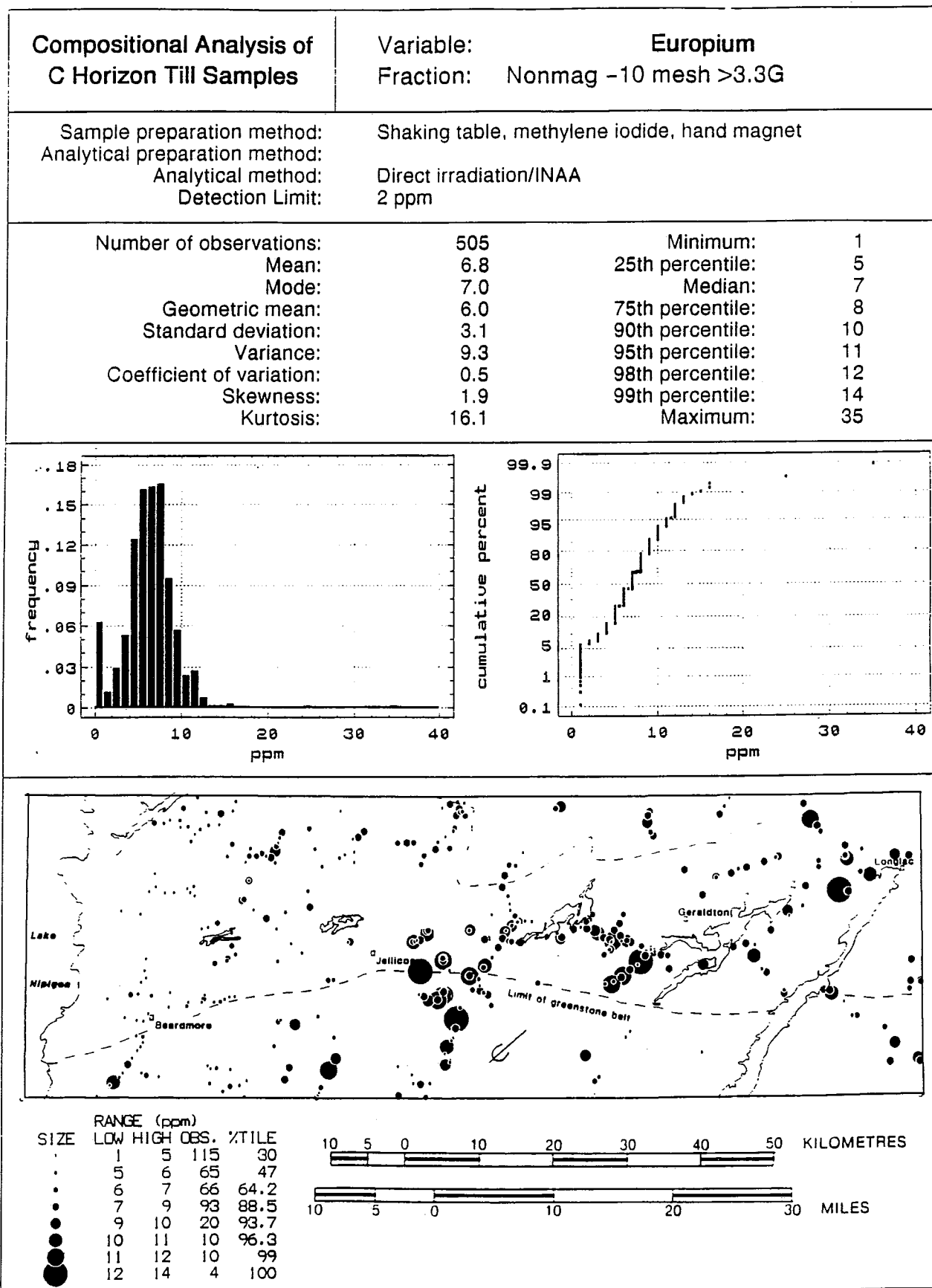
Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 10 ppm

Number of observations:	505	Minimum:	30
Mean:	944	25th percentile:	760
Mode:	960	Median:	920
Geometric mean:	865	75th percentile:	1050
Standard deviation:	654	90th percentile:	1170
Variance:	428247	95th percentile:	1260
Coefficient of variation:	0.7	98th percentile:	1430
Skewness:	11.2	99th percentile:	1490
Kurtosis:	151.6	Maximum:	10600

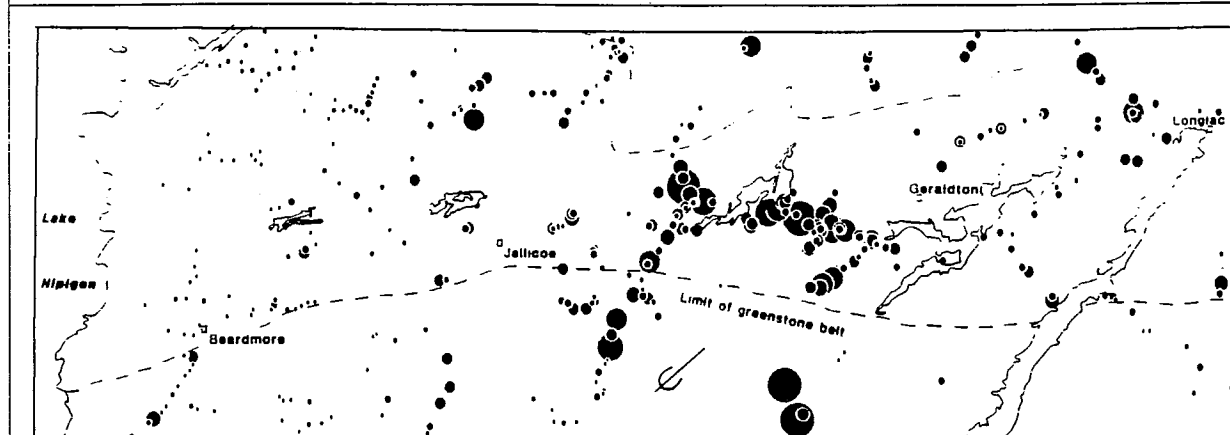
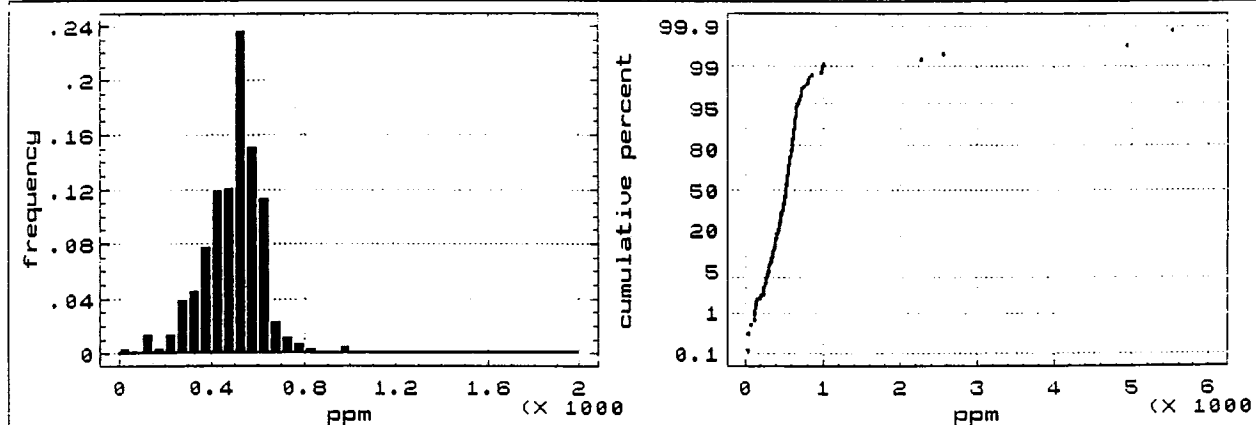


	RANGE (ppm)			
SIZE	LOW	HIGH	OBS.	%TILE
•	30	720	97	25.3
•	720	870	94	49.9
•	870	1000	101	76.2
•	1000	1100	53	90.1
•	1100	1150	22	95.8
•	1150	1190	8	97.9
•	1190	1220	4	99
•	1220	1420	4	100

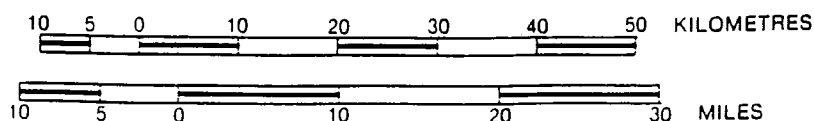


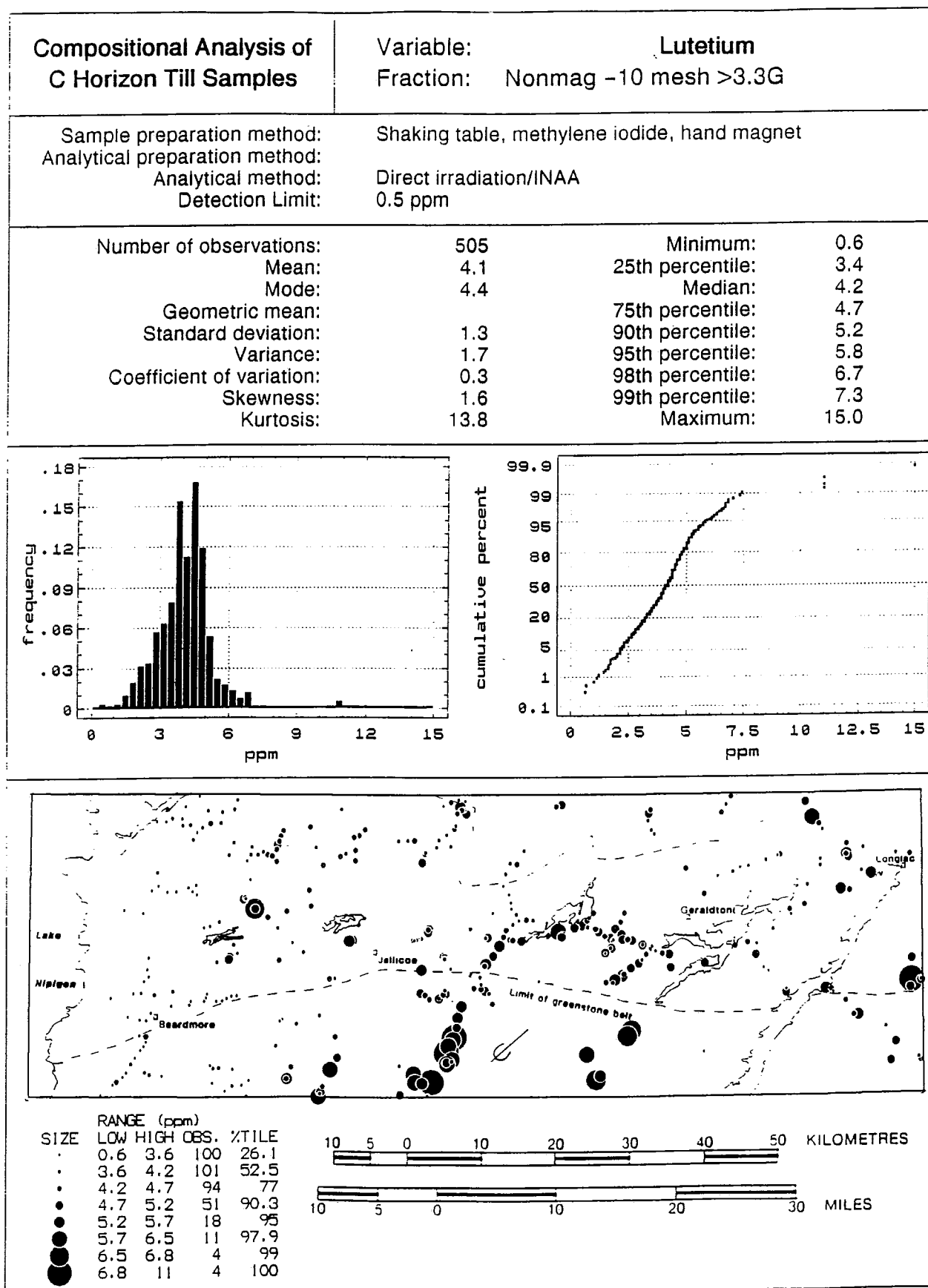


Compositional Analysis of C Horizon Till Samples		Variable: Lanthanum	
		Fraction: Nonmag -10 mesh >3.3G	
Sample preparation method:		Shaking table, methylene iodide, hand magnet	
Analytical preparation method:			
Analytical method:		Direct irradiation/INAA	
Detection Limit:		5 ppm	
Number of observations:	505	Minimum:	18
Mean:	522	25th percentile:	430
Mode:	440	Median:	514
Geometric mean:	480	75th percentile:	577
Standard deviation:	346	90th percentile:	632
Variance:	119587	95th percentile:	672
Coefficient of variation:	0.7	98th percentile:	791
Skewness:	10.8	99th percentile:	983
Kurtosis:	141.9	Maximum:	5520



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
•	18	410	103	26.9
•	410	490	89	50.1
•	490	554	96	75.2
•	554	613	57	90.1
•	613	632	19	95
•	632	651	11	97.9
•	651	689	4	99
•	689	798	4	100



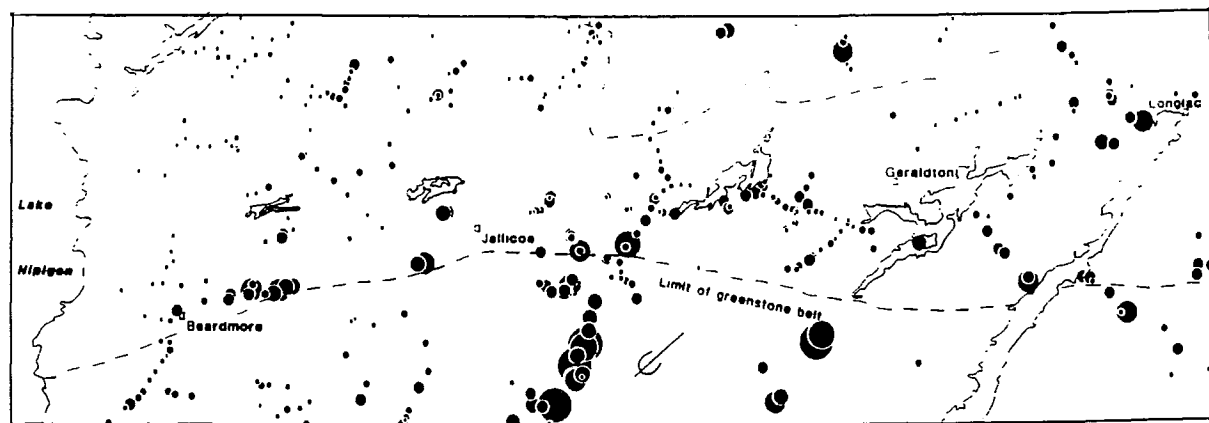
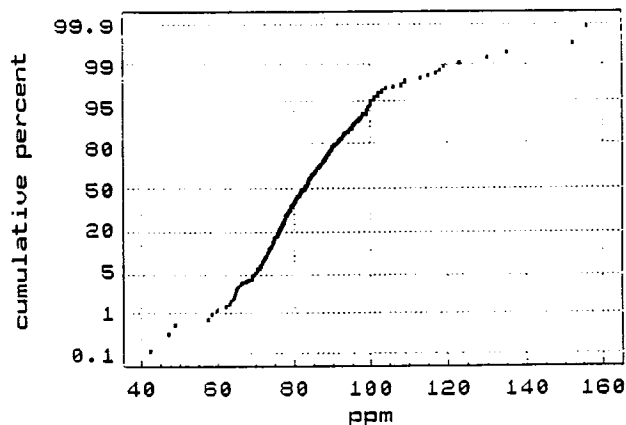
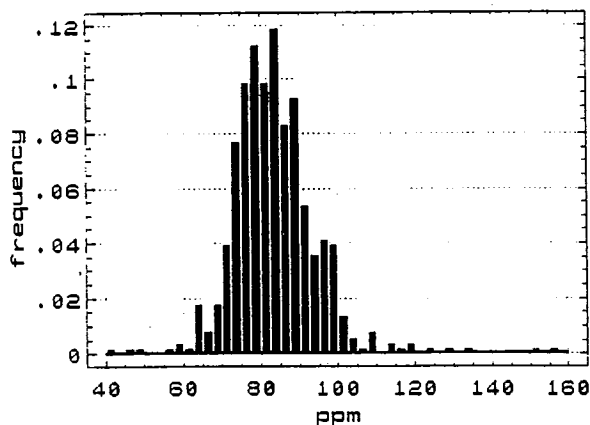


Compositional Analysis of C Horizon Till Samples

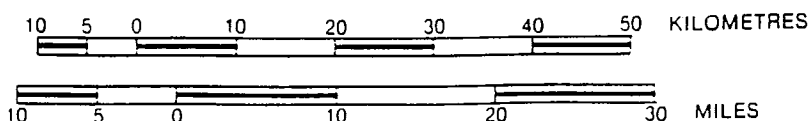
Variable: **Scandium**
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 0.5 ppm

Number of observations:	505	Minimum:	42
Mean:	83.8	25th percentile:	77
Mode:	77.7	Median:	83
Geometric mean:	83.1	75th percentile:	89
Standard deviation:	11.4	90th percentile:	97
Variance:	129.7	95th percentile:	100
Coefficient of variation:	0.1	98th percentile:	109
Skewness:	1.3	99th percentile:	119
Kurtosis:	7.0	Maximum:	156



SIZE	RANGE (ppm)		OBS.	%TILE
•	42.1	76	97	25.3
•	76	80.9	96	50.4
•	80.9	87.9	94	74.9
•	87.9	95.5	58	90.1
•	95.5	99	19	95
•	99	102	12	98.2
•	102	109	3	99
•	109	156	4	100

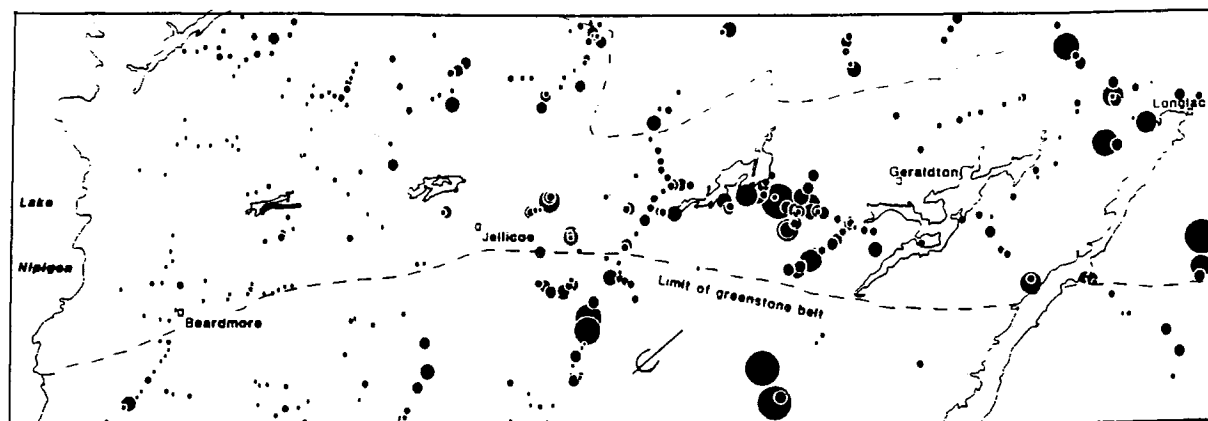
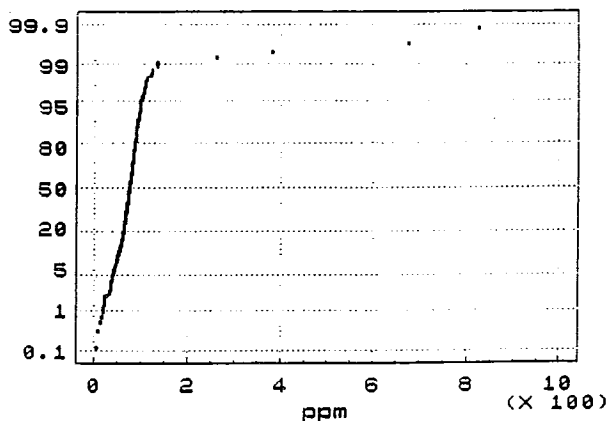
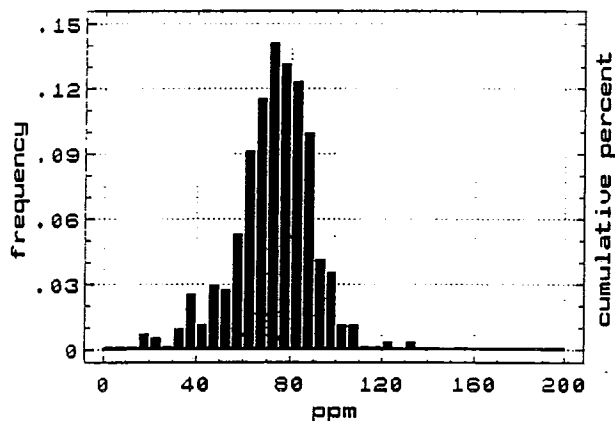


Compositional Analysis of C Horizon Till Samples

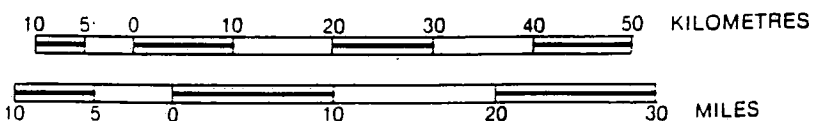
Variable: **Samarium**
Fraction: Nonmag -10 mesh >3.3G

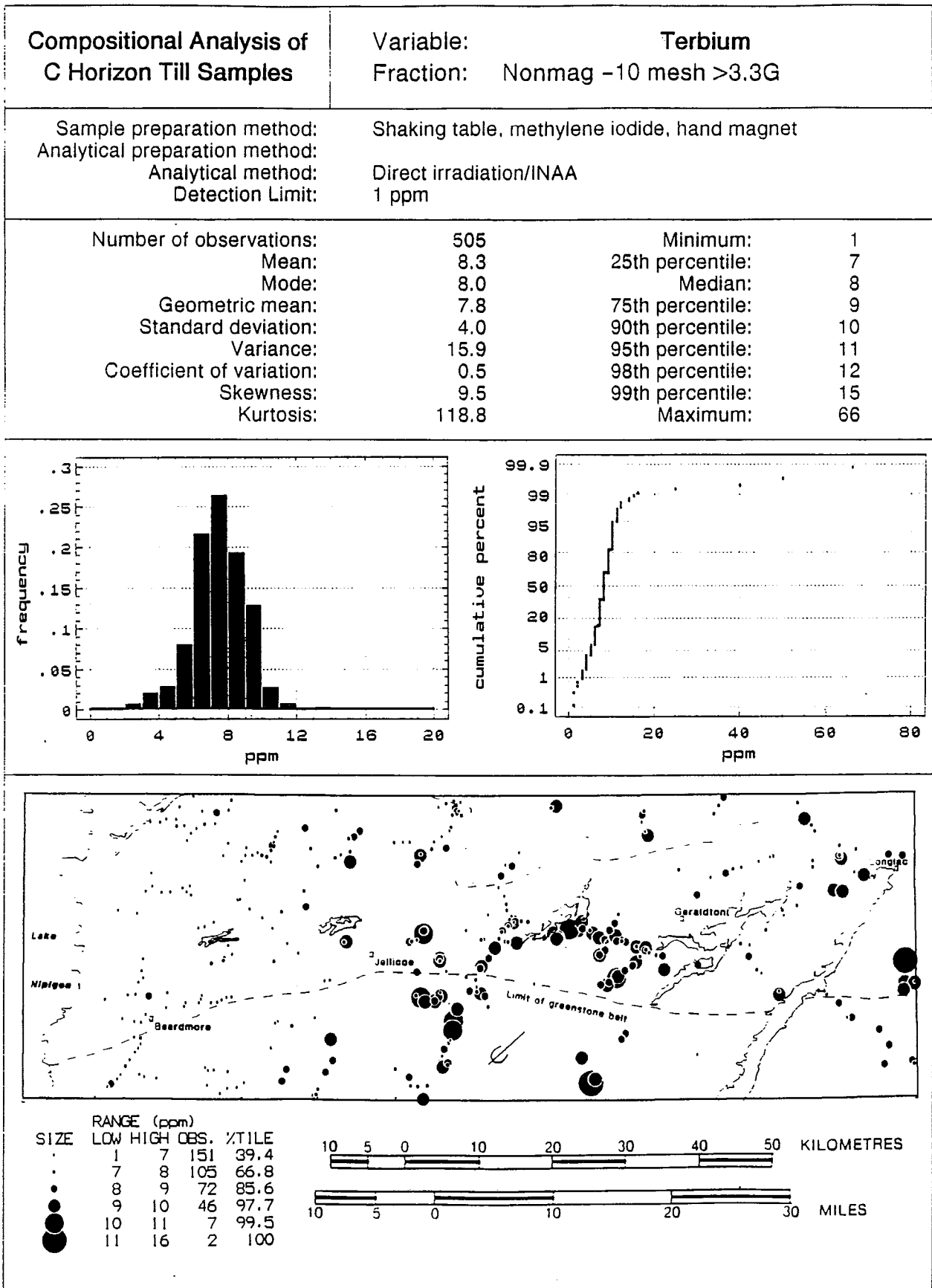
Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 0.1 ppm

Number of observations:	505	Minimum:	5
Mean:	76.3	25th percentile:	64
Mode:	77.0	Median:	74
Geometric mean:	70.7	75th percentile:	84
Standard deviation:	49.0	90th percentile:	92
Variance:	2402.5	95th percentile:	97
Coefficient of variation:	0.6	98th percentile:	110
Skewness:	11.3	99th percentile:	132
Kurtosis:	154.8	Maximum:	825



RANGE (ppm)		OBS.	%TILE
LOW	HIGH		
4.8	61.7	95	24.8
61.7	72.2	96	49.9
72.2	81.7	97	75.2
81.7	88.7	59	90.6
88.7	94.4	17	95
94.4	97.1	11	97.9
97.1	103	4	99
103	108	4	100



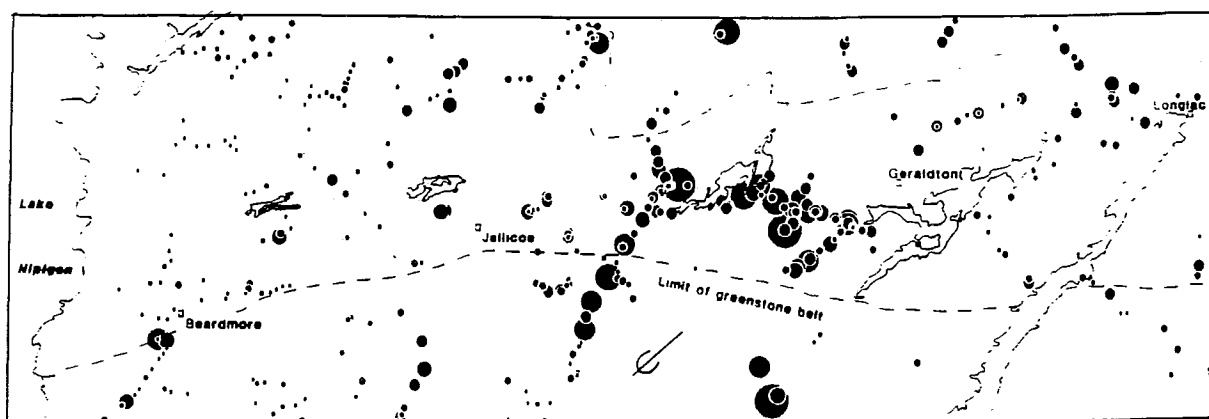
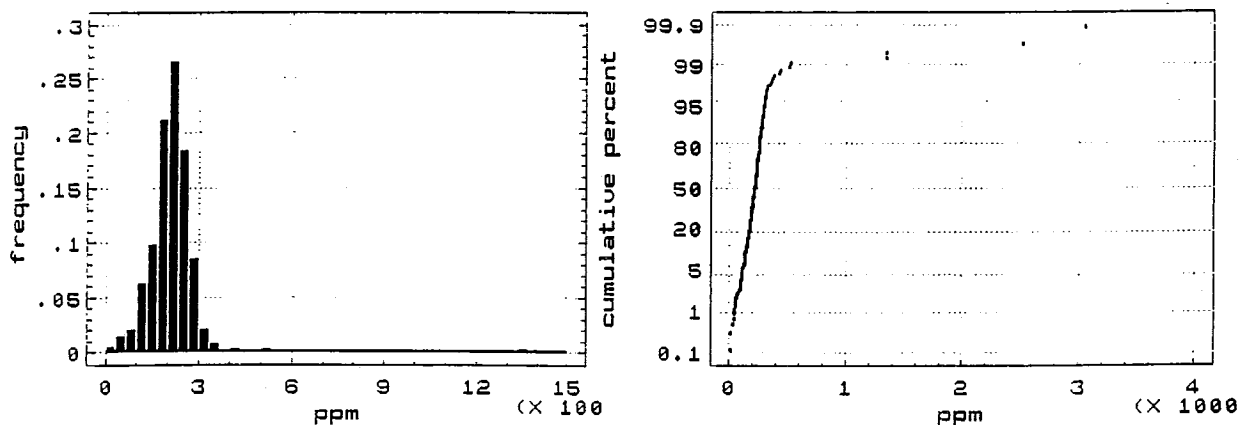


Compositional Analysis of C Horizon Till Samples

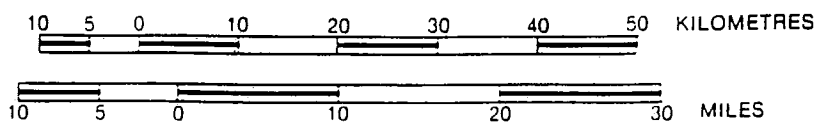
Variable: Thorium
Fraction: Nonmag -10 mesh >3.3G

Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 1 ppm

Number of observations:	505	Minimum:	7
Mean:	222	25th percentile:	176
Mode:	218	Median:	212
Geometric mean:	199	75th percentile:	246
Standard deviation:	188	90th percentile:	276
Variance:	35454	95th percentile:	298
Coefficient of variation:	0.9	98th percentile:	353
Skewness:	11.3	99th percentile:	508
Kurtosis:	150.3	Maximum:	3060



SIZE	RANGE (ppm)		OBS.	%TILE
•	6	167	95	24.8
•	167	203	99	50.7
•	203	234	94	75.2
•	234	263	57	90.1
•	263	281	20	95.3
•	281	298	11	98.2
•	298	309	4	99.2
•	309	376	3	100

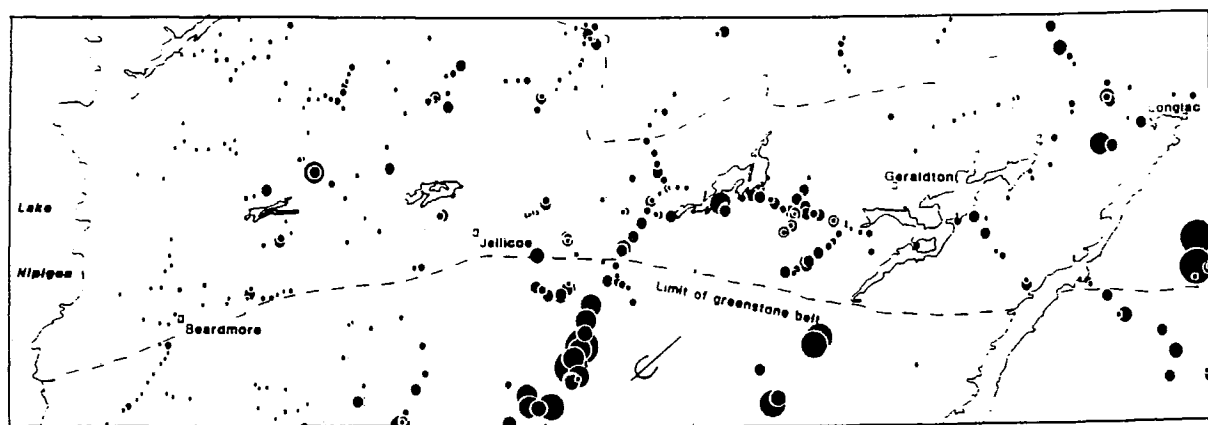
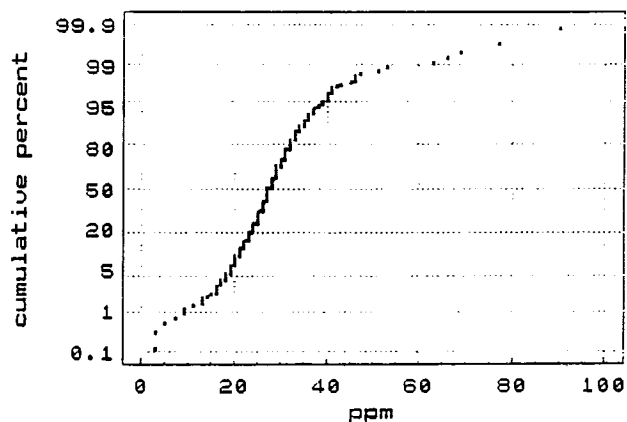
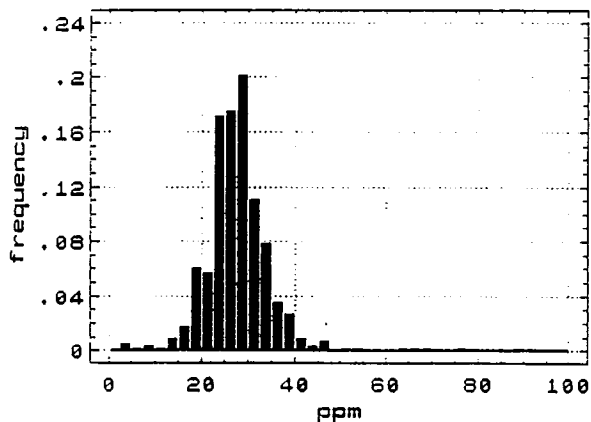


Compositional Analysis of C Horizon Till Samples

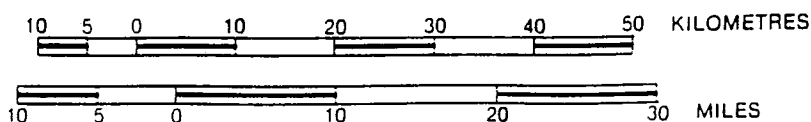
Variable: **Ytterbium**
Fraction: Nonmag -10 mesh >3.3G

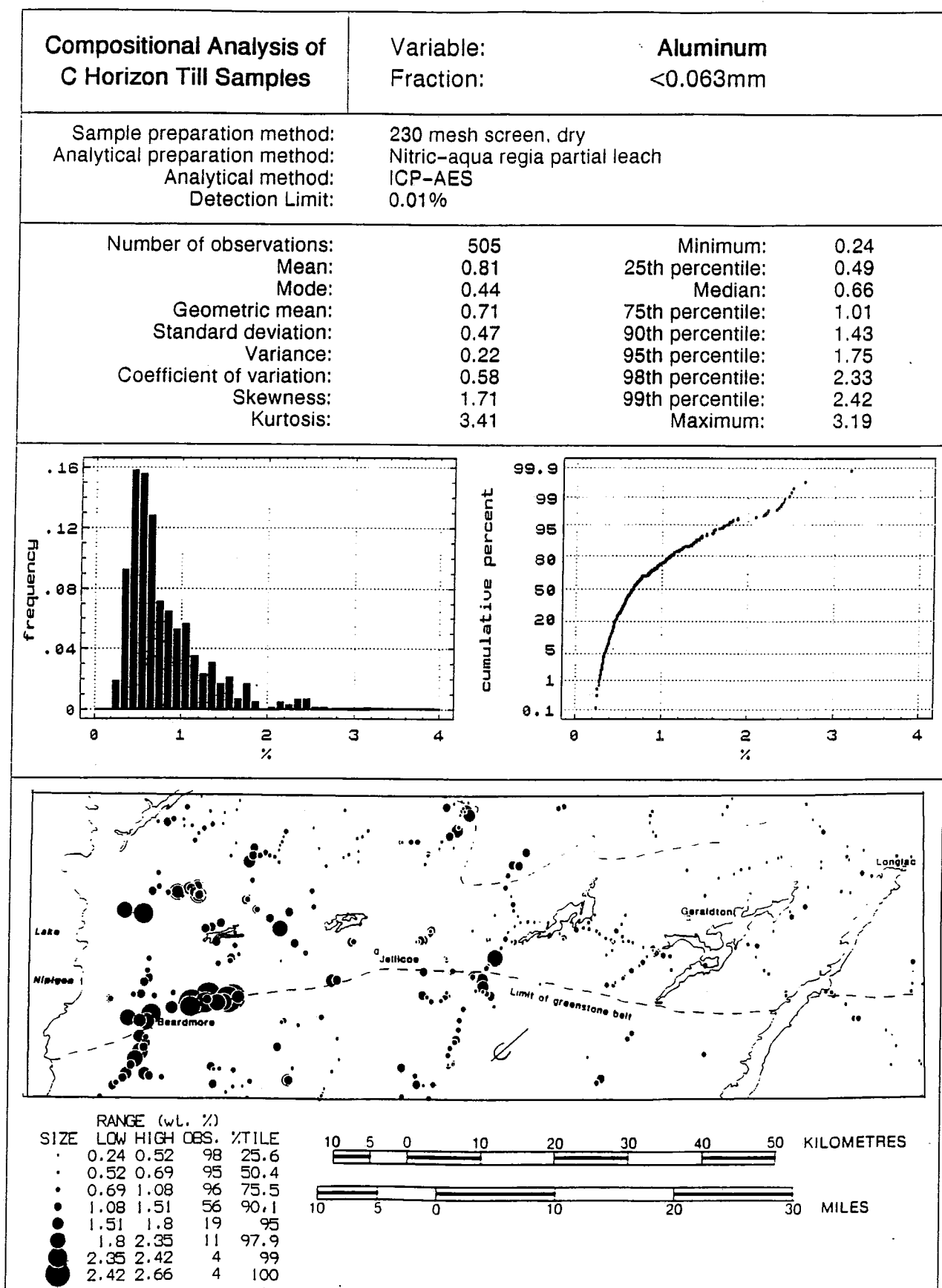
Sample preparation method: Shaking table, methylene iodide, hand magnet
Analytical preparation method:
Analytical method: Direct irradiation/INAA
Detection Limit: 5 ppm

Number of observations:	505	Minimum:	3
Mean:	28.1	25th percentile:	24
Mode:	27.0	Median:	27
Geometric mean:	27.0	75th percentile:	31
Standard deviation:	7.8	90th percentile:	35
Variance:	60.1	95th percentile:	39
Coefficient of variation:	0.3	98th percentile:	46
Skewness:	2.1	99th percentile:	53
Kurtosis:	14.1	Maximum:	90



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	3	23	96	25.1
•	23	27	120	56.4
•	27	30	71	74.9
•	30	34	62	91.1
•	34	37	15	95
•	37	43	11	97.9
•	43	46	4	99
•	46	77	4	100





Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

Aluminum
<0.002mm

Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

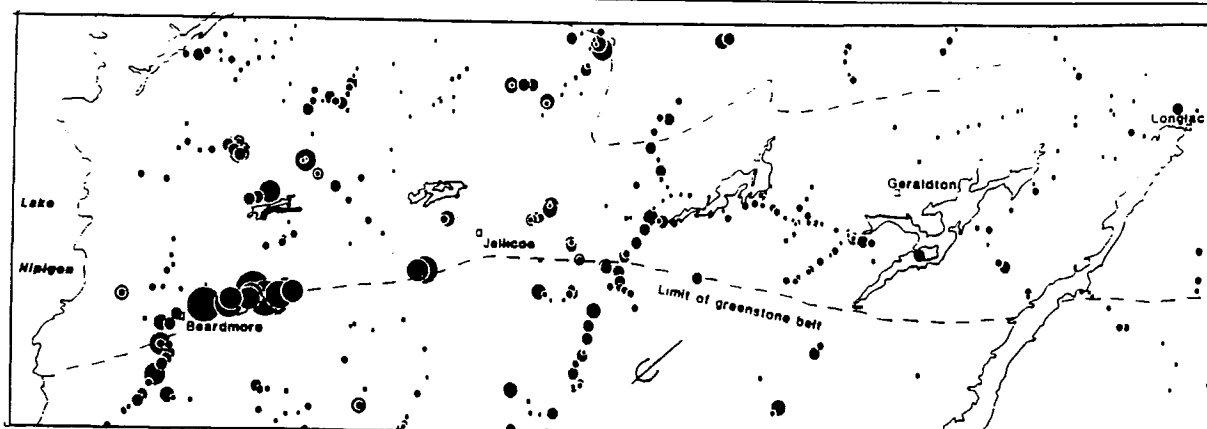
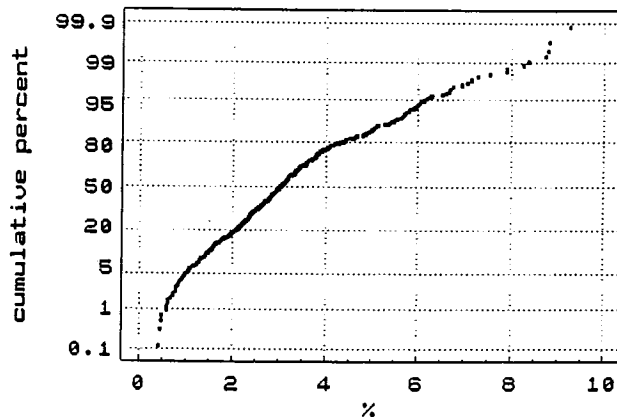
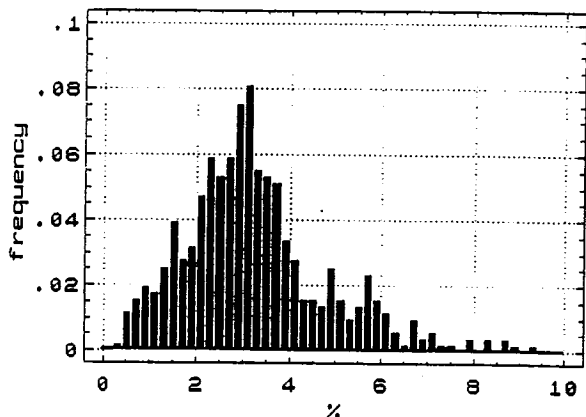
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
0.01%

Number of observations:
Mean:
Mode:
Geometric mean:
Standard deviation:
Variance:
Coefficient of variation:
Skewness:
Kurtosis:

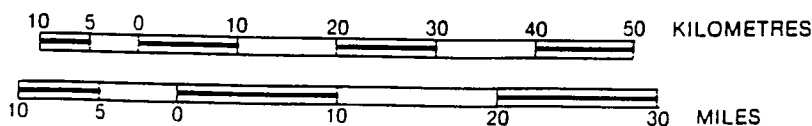
505
3.26
3.78
2.87
1.57
2.47
0.5
0.9
1.1

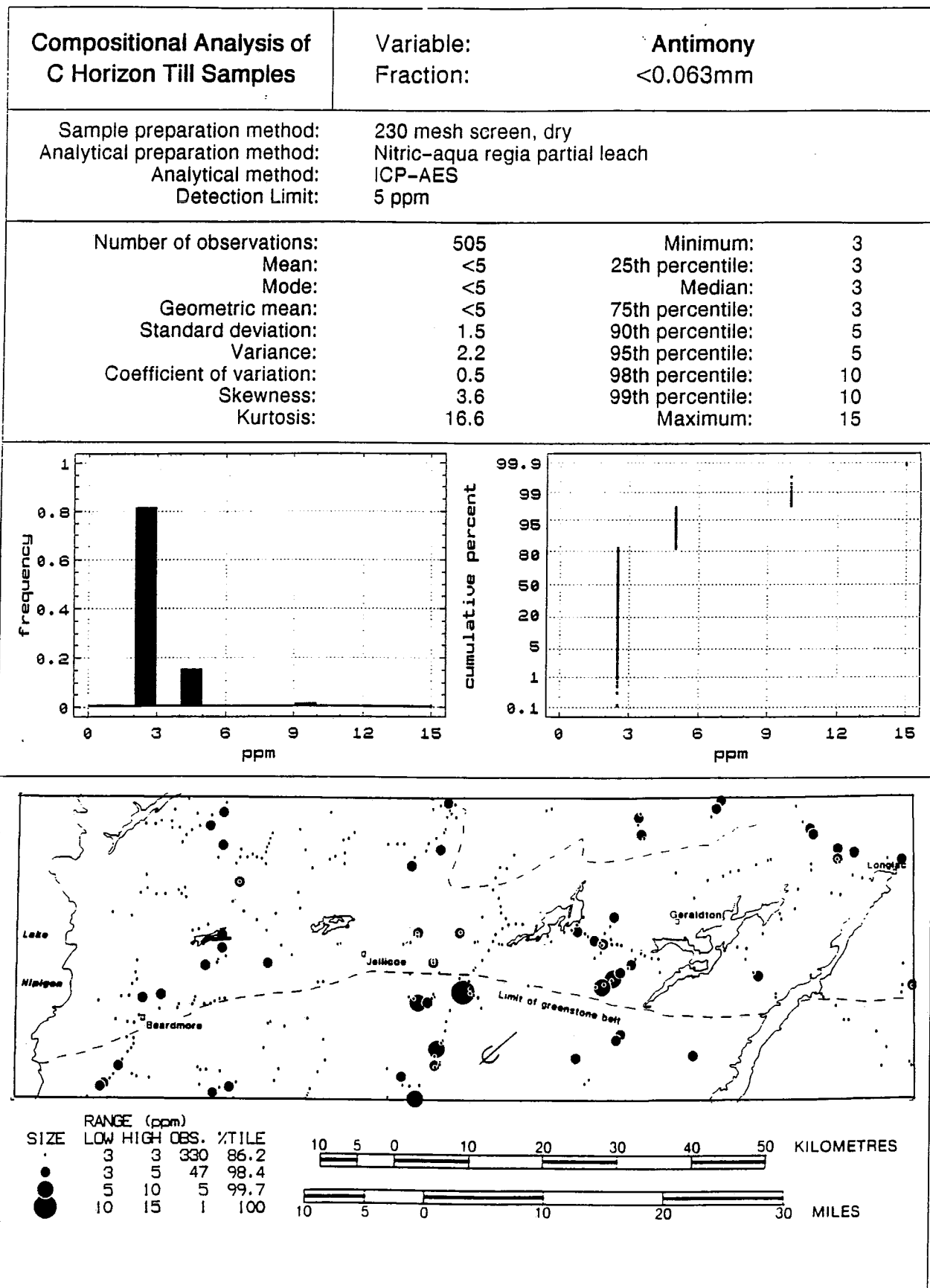
Minimum:
25th percentile:
Median:
75th percentile:
90th percentile:
95th percentile:
98th percentile:
99th percentile:
Maximum:

0.40
2.26
3.03
3.91
5.56
6.14
7.14
8.27
9.26



RANGE (wt. %)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0.4	2.26	96	25.1
•	2.26	3.16	98	50.7
•	3.16	4.2	93	74.9
•	4.2	5.73	58	90.1
•	5.73	6.29	19	95
•	6.29	7.54	11	97.9
•	7.54	8.36	4	99
•	8.36	9.26	4	100





Compositional Analysis of C Horizon Till Samples

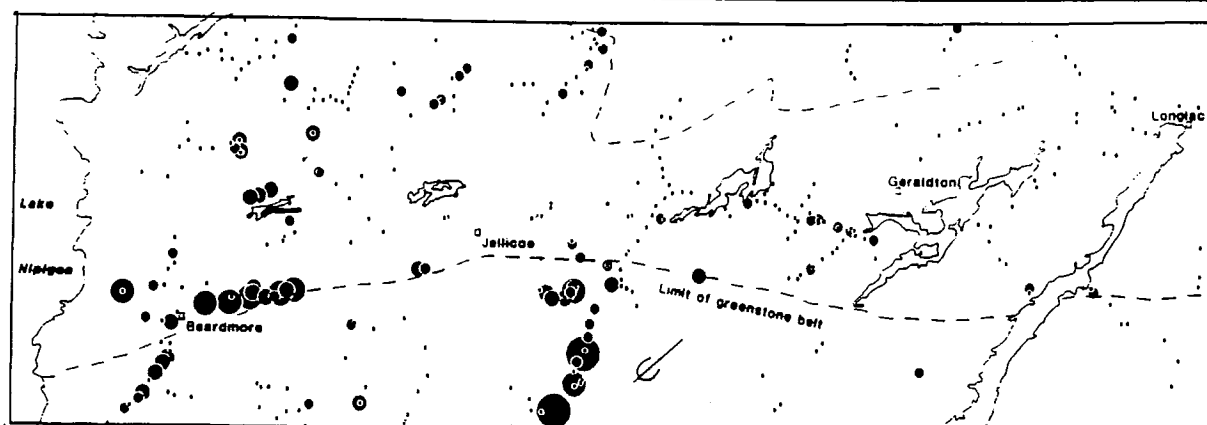
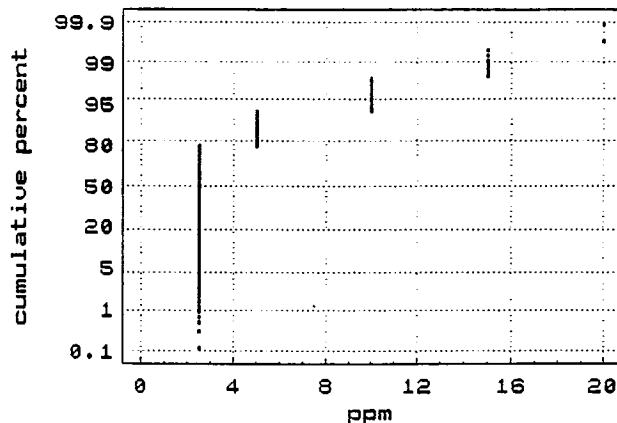
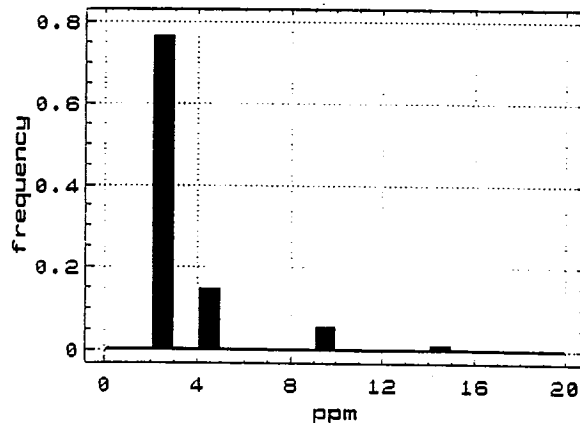
Variable:
Fraction:

Antimony
<0.002mm

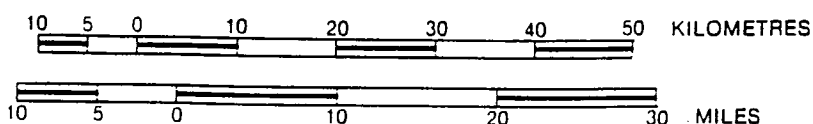
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
5 ppm

Number of observations:	505	Minimum:	2.5
Mean:	<5	25th percentile:	2.5
Mode:	<5	Median:	2.5
Geometric mean:	<5	75th percentile:	2.5
Standard deviation:	2.6	90th percentile:	5
Variance:	6.8	95th percentile:	10
Coefficient of variation:	0.7	98th percentile:	10
Skewness:	3.2	99th percentile:	15
Kurtosis:	11.4	Maximum:	20



SIZE	RANGE (ppm)		OBS.	%TILE
●	3	3	306	79.9
●	3	5	44	91.4
●	5	10	23	97.4
●	10	15	8	99.5
●	15	20	2	100



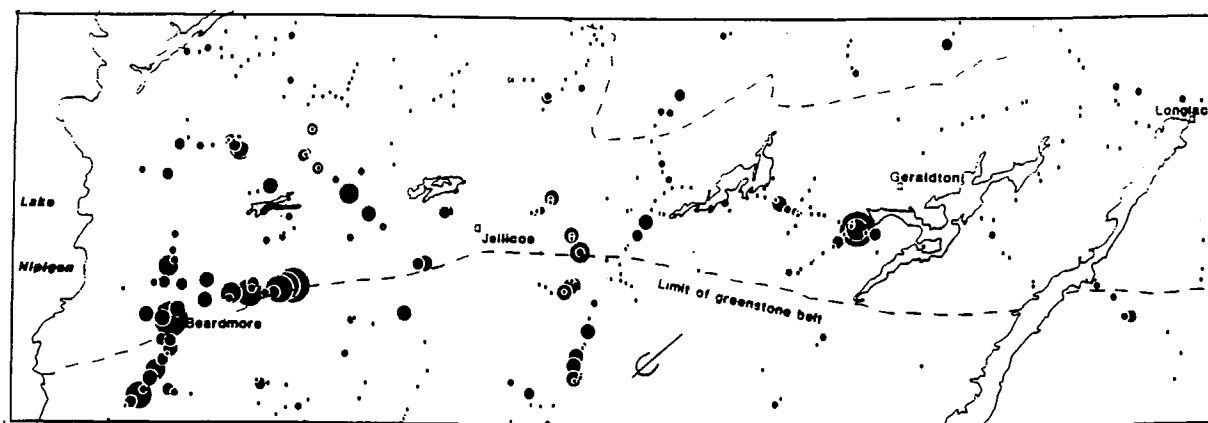
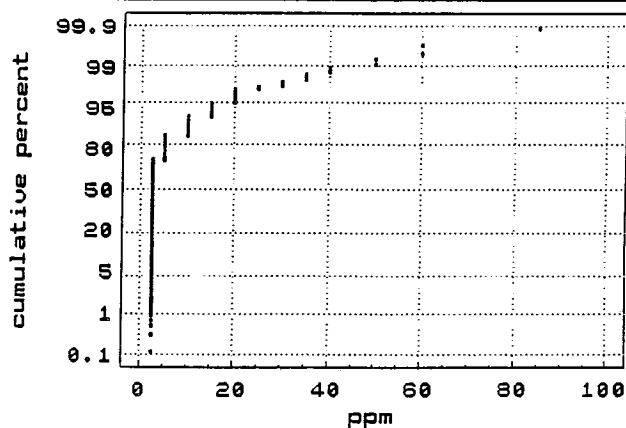
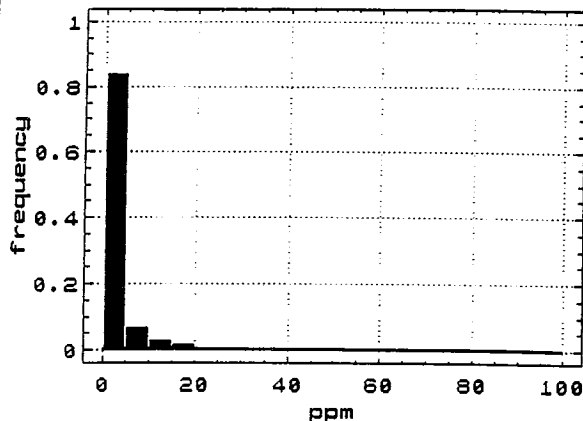
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

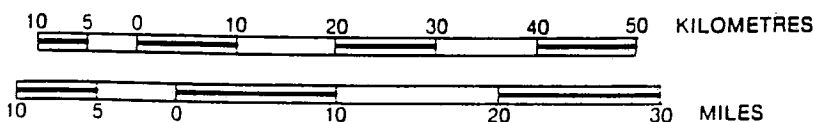
Arsenic
<0.063mm

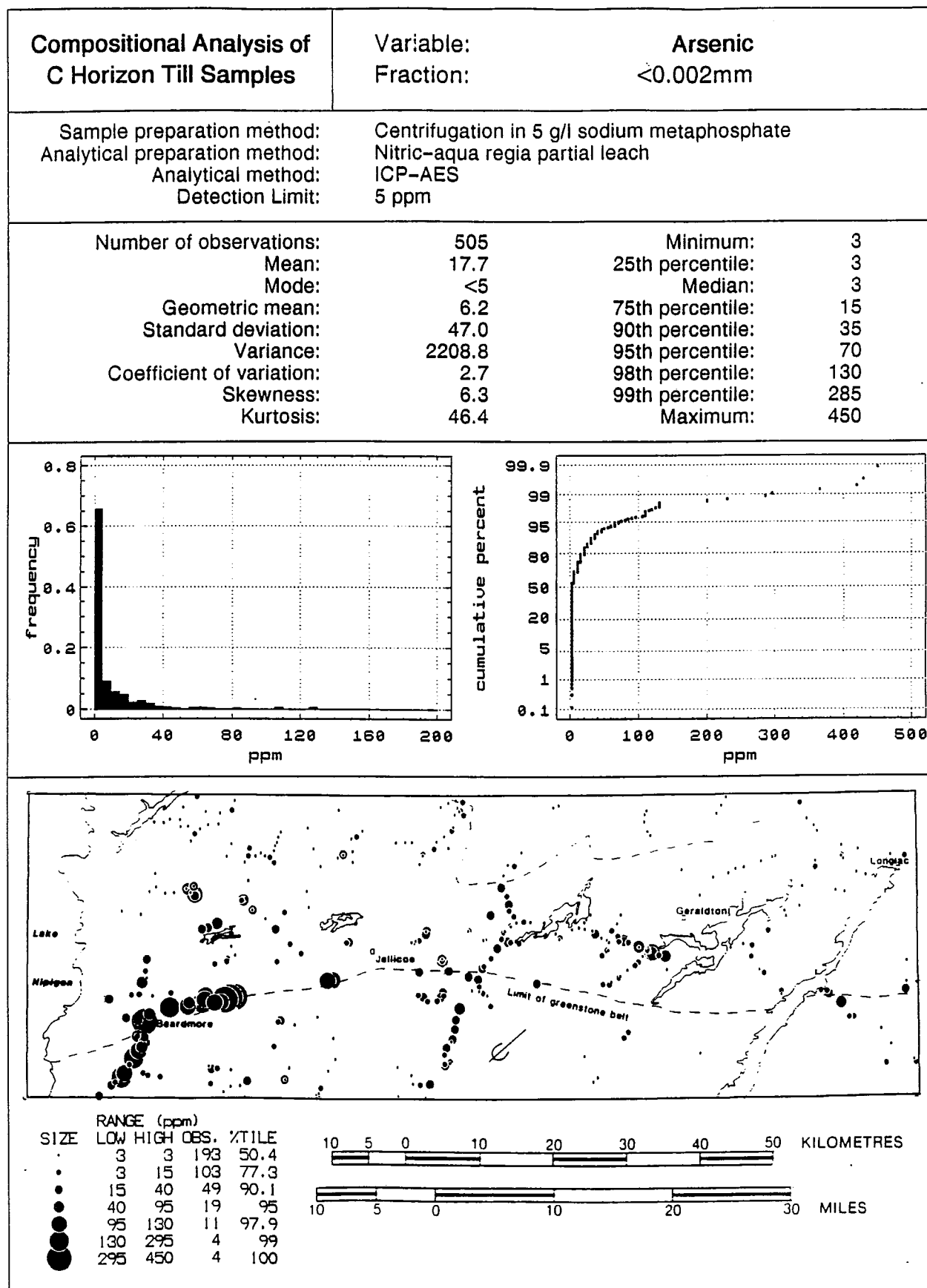
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 5 ppm

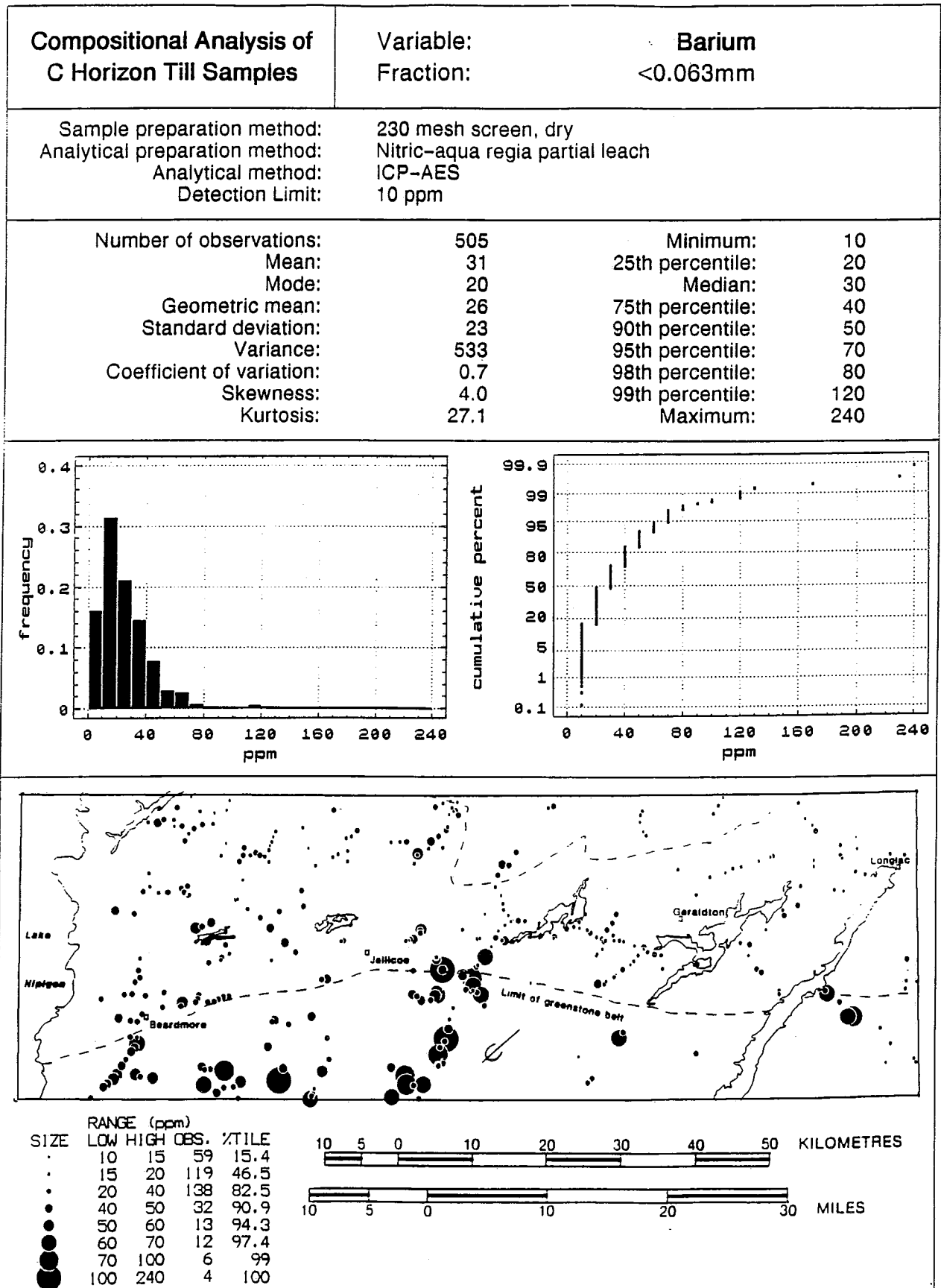
Number of observations:	505	Minimum:	3
Mean:	5.4	25th percentile:	3
Mode:	<5	Median:	3
Geometric mean:	<5	75th percentile:	5
Standard deviation:	7.9	90th percentile:	10
Variance:	62.7	95th percentile:	20
Coefficient of variation:	1.5	98th percentile:	30
Skewness:	5.1	99th percentile:	40
Kurtosis:	34.4	Maximum:	85



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	3	3	254	66.3
•	3	5	59	81.7
•	5	10	30	89.6
•	10	20	25	96.1
•	20	35	8	98.2
•	35	50	4	99.2
•	50	85	3	100







Compositional Analysis of C Horizon Till Samples

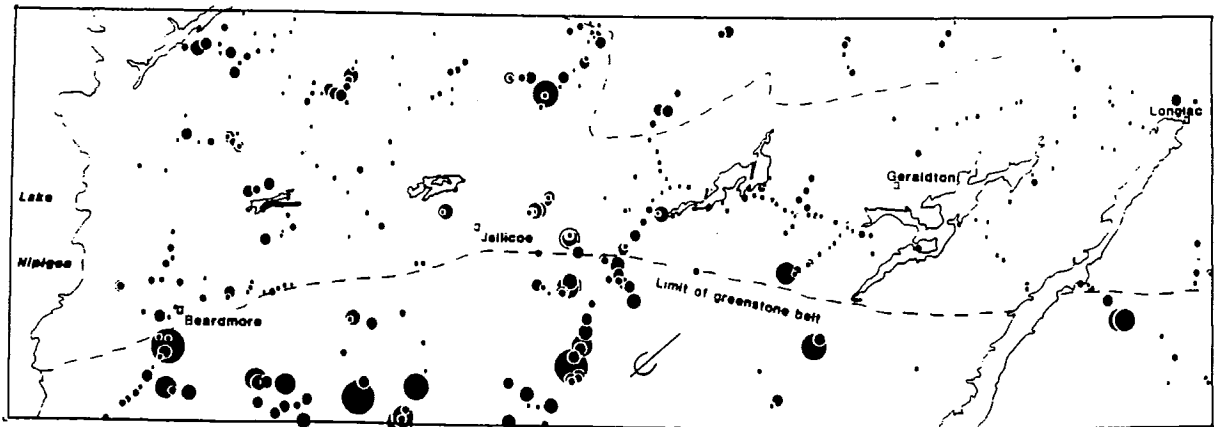
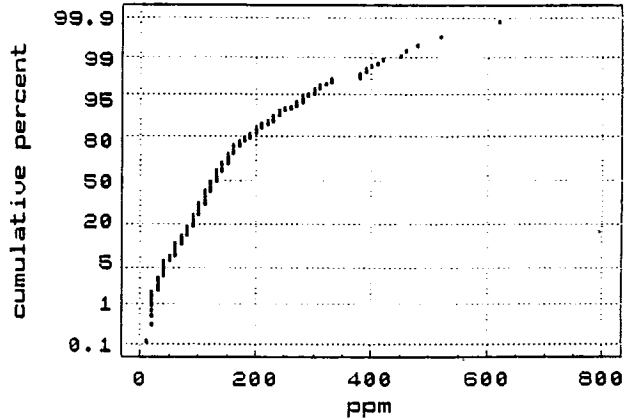
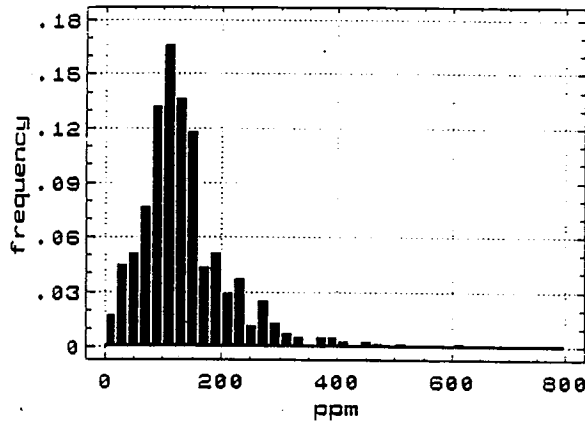
Variable:
Fraction:

Barium
<0.002mm

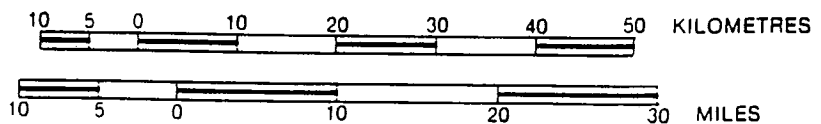
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
10 ppm

Number of observations:	505	Minimum:	10
Mean:	142	25th percentile:	90
Mode:	110	Median:	130
Geometric mean:	122	75th percentile:	170
Standard deviation:	80	90th percentile:	240
Variance:	6372	95th percentile:	290
Coefficient of variation:	0.6	98th percentile:	380
Skewness:	1.7	99th percentile:	420
Kurtosis:	5.1	Maximum:	620



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
•	10	90	99	25.8
•	90	130	106	53.5
•	130	180	87	76.2
•	180	260	53	90.1
•	260	300	19	95
•	300	390	11	97.9
•	390	450	4	99
•	450	620	4	100



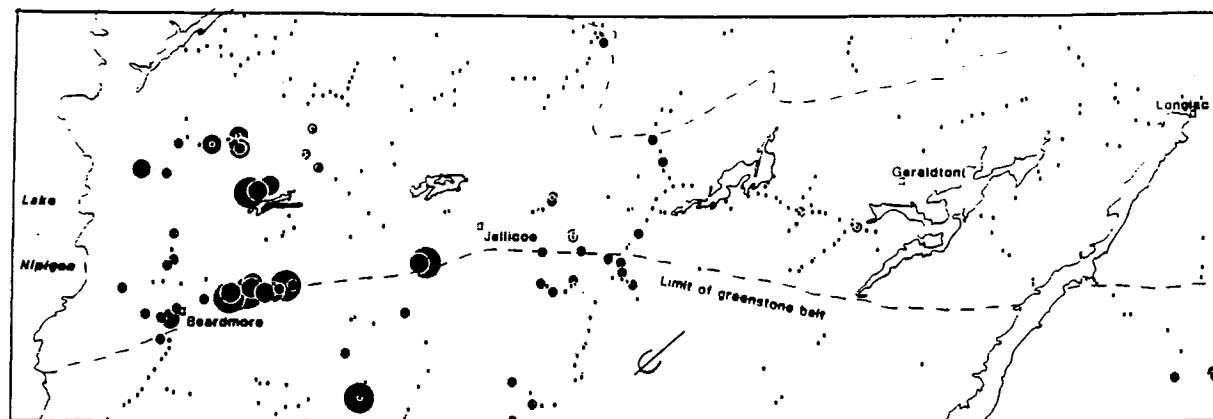
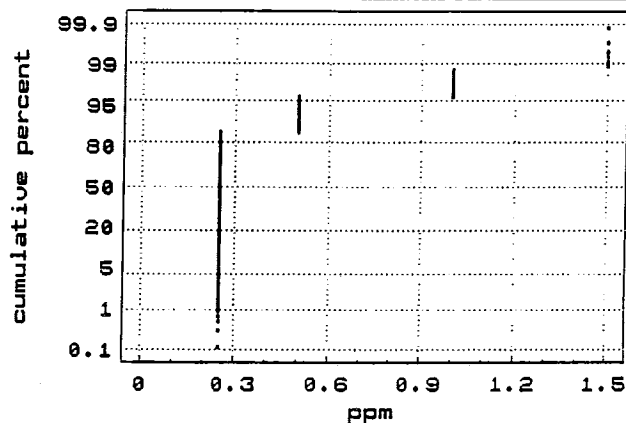
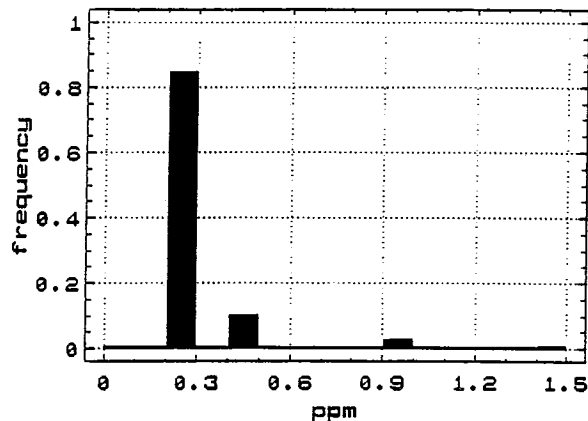
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

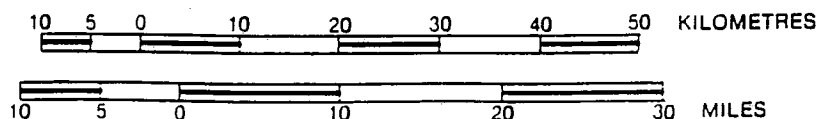
Beryllium
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 0.5 ppm

Number of observations:	505	Minimum:	0.3
Mean:	<0.5	25th percentile:	0.3
Mode:	<0.5	Median:	0.3
Geometric mean:	<0.5	75th percentile:	0.3
Standard deviation:	0.2	90th percentile:	0.5
Variance:	0.0	95th percentile:	0.5
Coefficient of variation:	0.6	98th percentile:	1.0
Skewness:	4.0	99th percentile:	1.5
Kurtosis:	17.5	Maximum:	1.5



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	0.3	0.3	312	81.5
•	0.3	0.5	51	94.8
•	0.5	1.0	14	98.4
•	1.0	1.5	6	100



Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

Beryllium
<0.002mm

Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

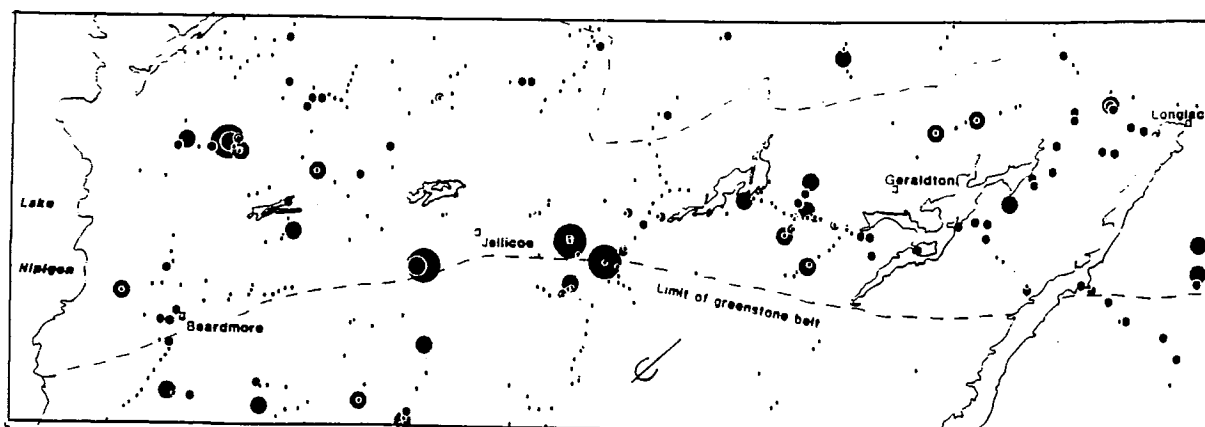
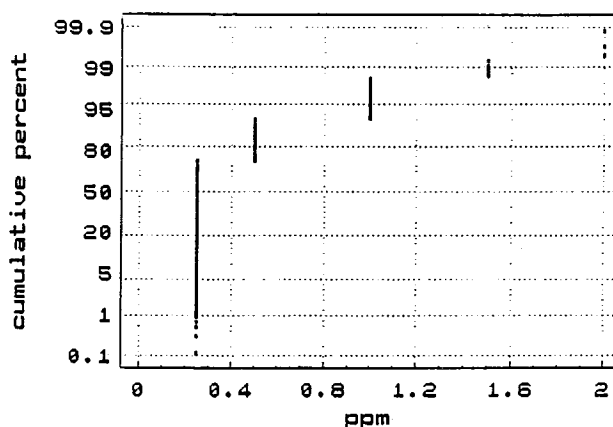
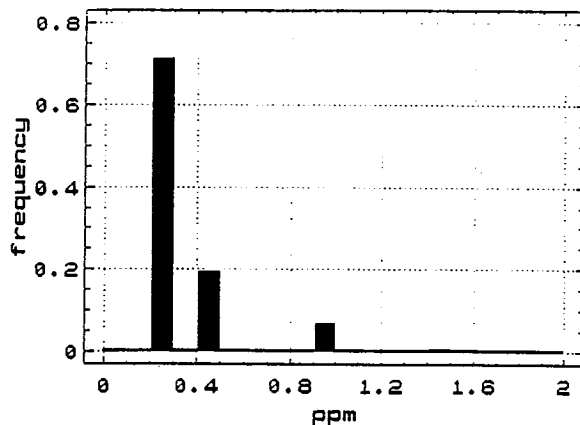
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
0.5 ppm

Number of observations:
Mean:
Mode:
Geometric mean:
Standard deviation:
Variance:
Coefficient of variation:
Skewness:
Kurtosis:

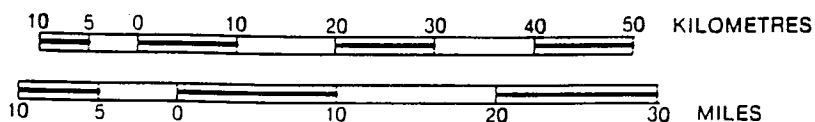
505
<0.5
<0.5
<0.5
0.27
0.07
0.7
3.0
10.9

Minimum:
25th percentile:
Median:
75th percentile:
90th percentile:
95th percentile:
98th percentile:
99th percentile:
Maximum:

0.3
0.3
0.3
0.5
0.5
1.0
1.0
1.5
2.0



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	0.3	0.3	286	74.7
•	0.3	0.5	68	92.4
•	0.5	1.0	25	99
•	1.0	2.0	4	100



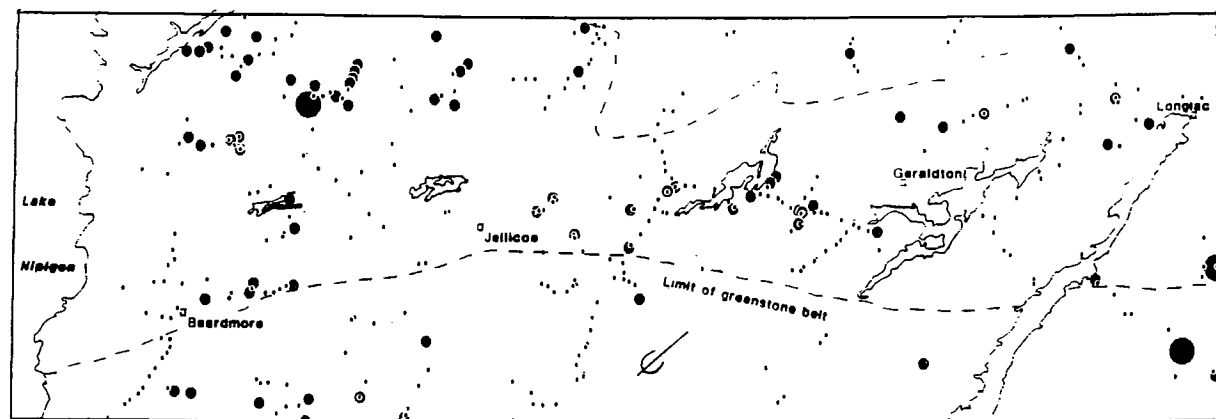
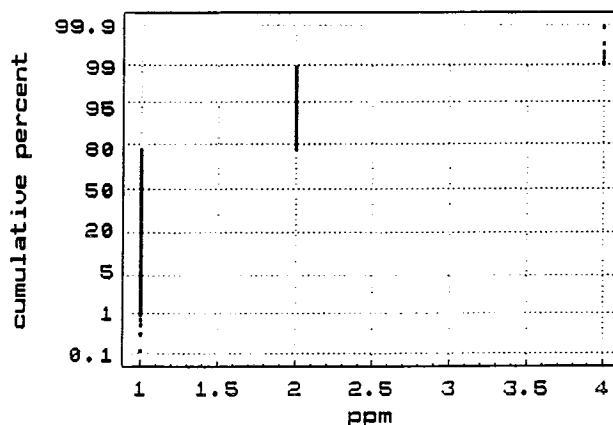
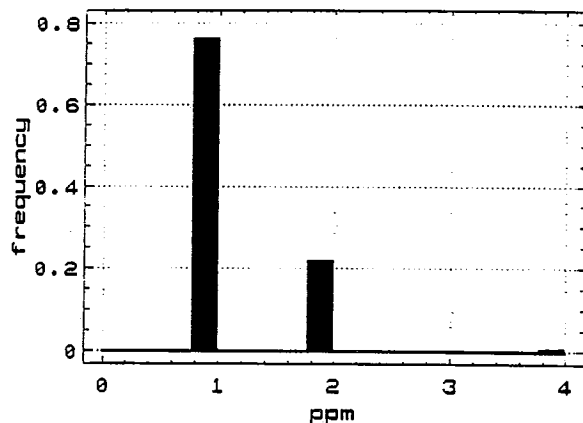
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

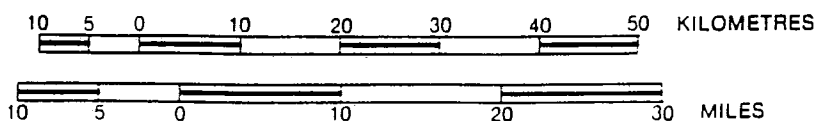
Bismuth
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	1
Mean:	<2	25th percentile:	1
Mode:	<2	Median:	1
Geometric mean:	<2	75th percentile:	1
Standard deviation:	0.5	90th percentile:	2
Variance:	0.3	95th percentile:	2
Coefficient of variation:	0.4	98th percentile:	2
Skewness:	2.3	99th percentile:	2
Kurtosis:	7.4	Maximum:	4



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
1	1	1	310	80.9
1	2	70	99.2	
2	4	3	100	

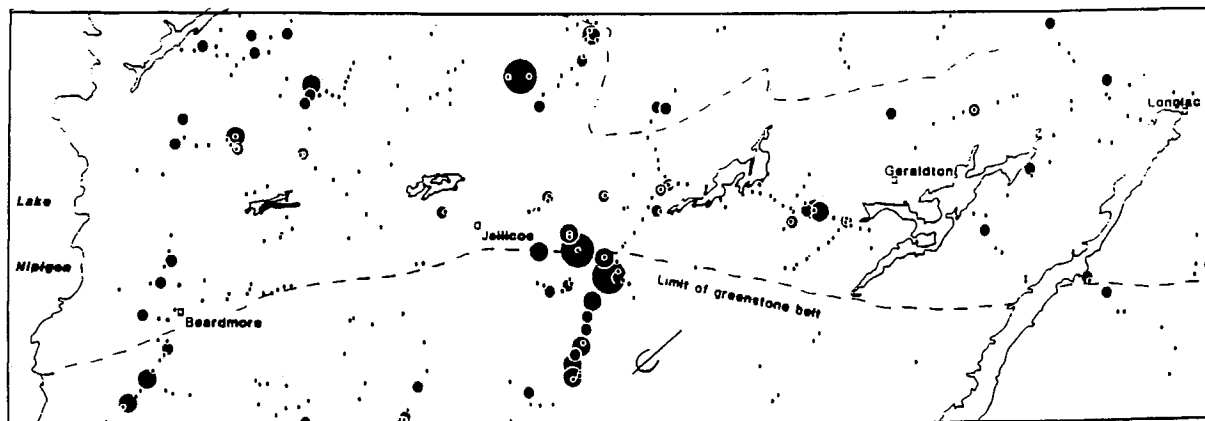
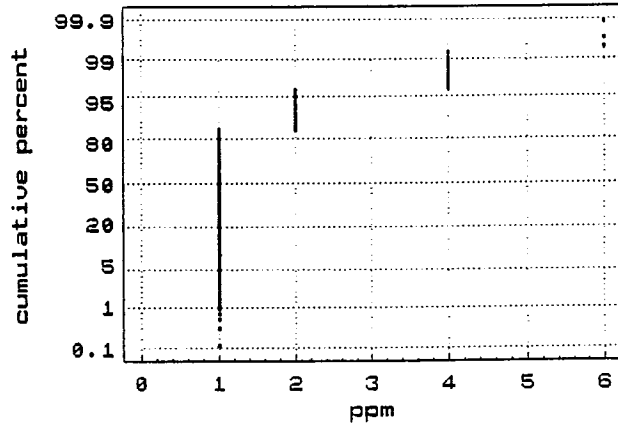
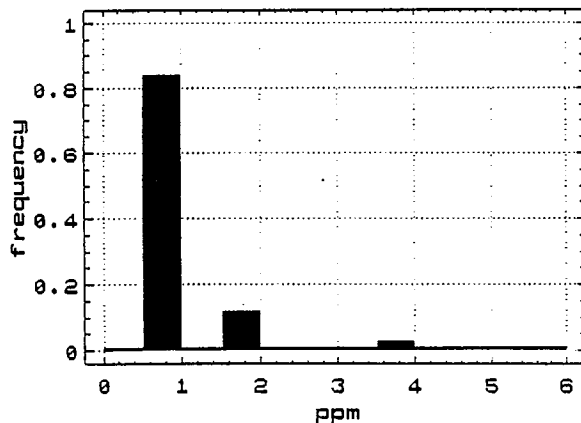


Compositional Analysis of C Horizon Till Samples

Variable: **Bismuth**
Fraction: **<0.002mm**

Sample preparation method: Centrifugation in 5 g/l sodium metaphosphate
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	1
Mean:	<2	25th percentile:	1
Mode:	<2	Median:	1
Geometric mean:	<2	75th percentile:	1
Standard deviation:	0.7	90th percentile:	2
Variance:	0.5	95th percentile:	2
Coefficient of variation:	0.6	98th percentile:	4
Skewness:	3.9	99th percentile:	4
Kurtosis:	17.3	Maximum:	6



RANGE (ppm)		OBS.	%TILE
SIZE	LOW HIGH		
1	1 2	318	83
2	2 4	48	95.6
3	4 6	14	99.2
4	6 10	3	100



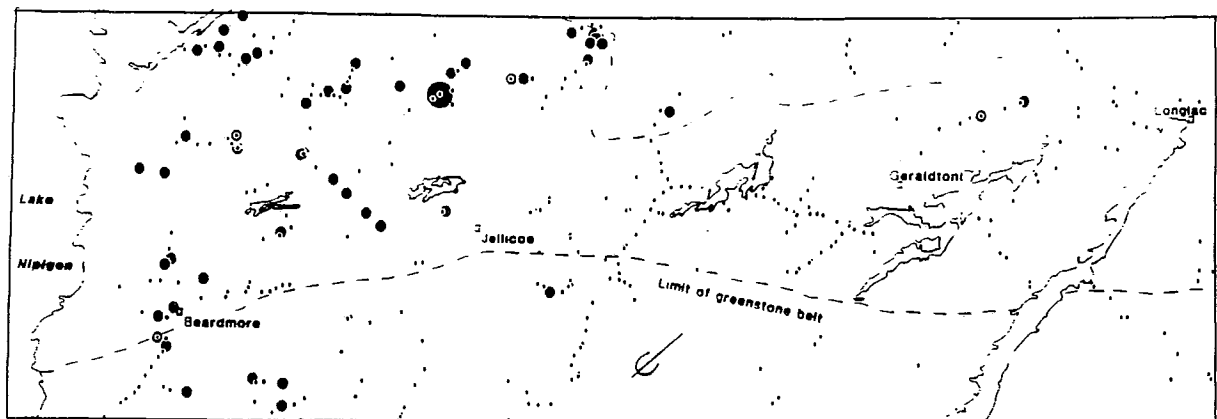
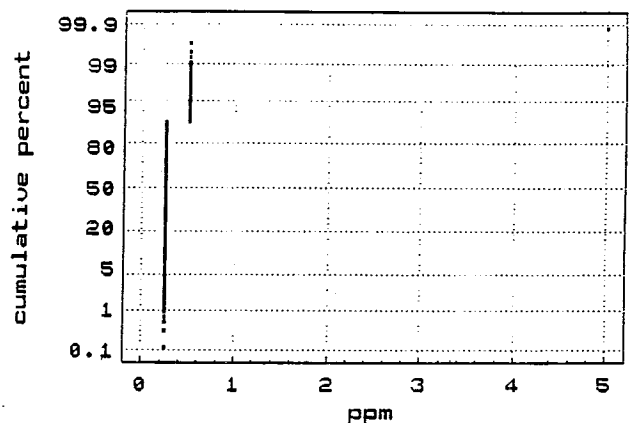
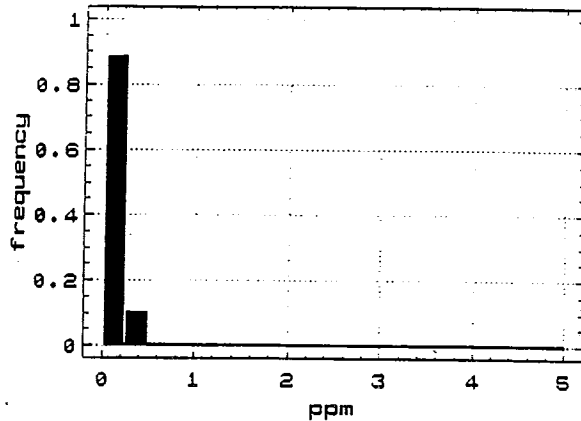
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

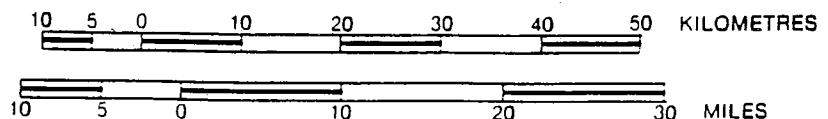
Cadmium
<0.063mm

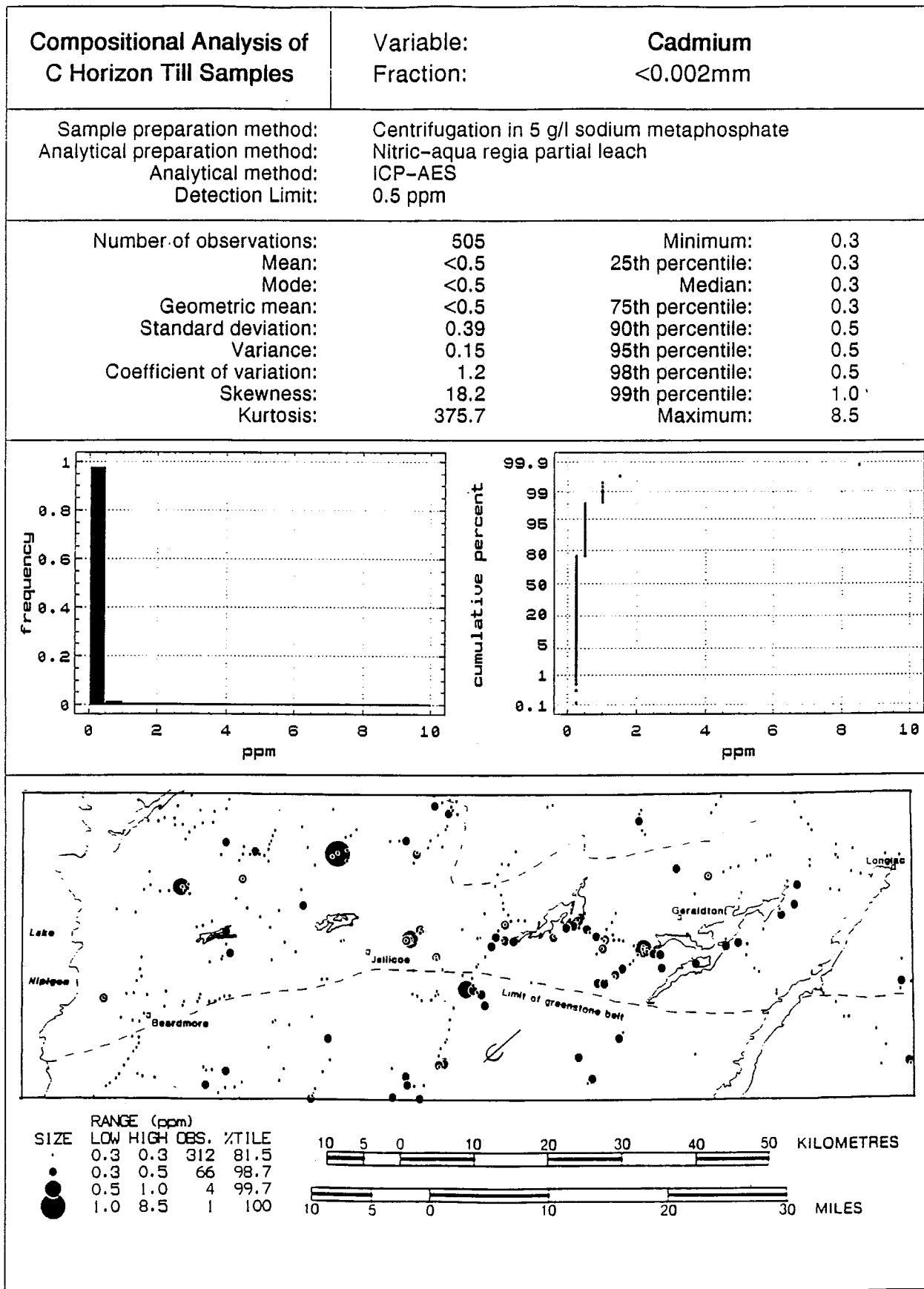
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 0.5 ppm

Number of observations:	505	Minimum:	0.3
Mean:	<0.5	25th percentile:	0.3
Mode:	<0.5	Median:	0.3
Geometric mean:	<0.5	75th percentile:	0.3
Standard deviation:	0.2	90th percentile:	0.5
Variance:	0.1	95th percentile:	0.5
Coefficient of variation:	0.8	98th percentile:	0.5
Skewness:	18.7	99th percentile:	0.5
Kurtosis:	391.2	Maximum:	5.0



	RANGE (ppm)			
SIZE	LOW	HIGH	OBS.	%TILE
•	0.3	0.3	332	86.7
•	0.3	0.5	50	99.7
•	0.5	5.0	1	100





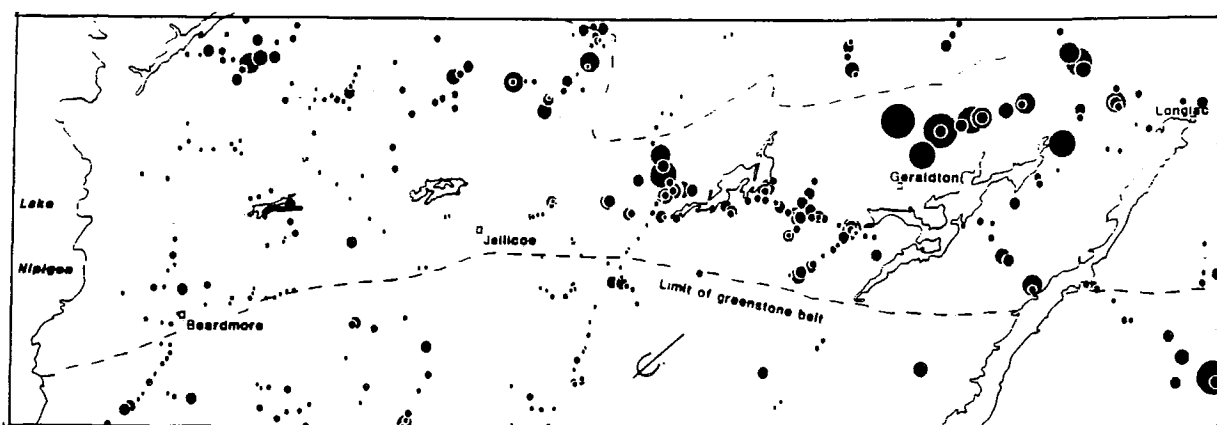
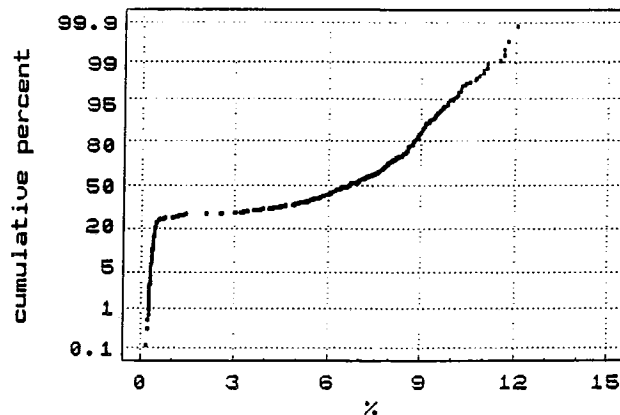
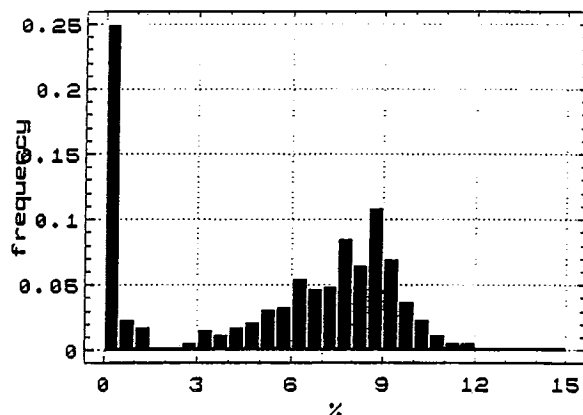
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

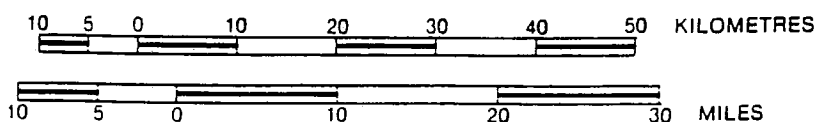
Calcium
<0.063mm

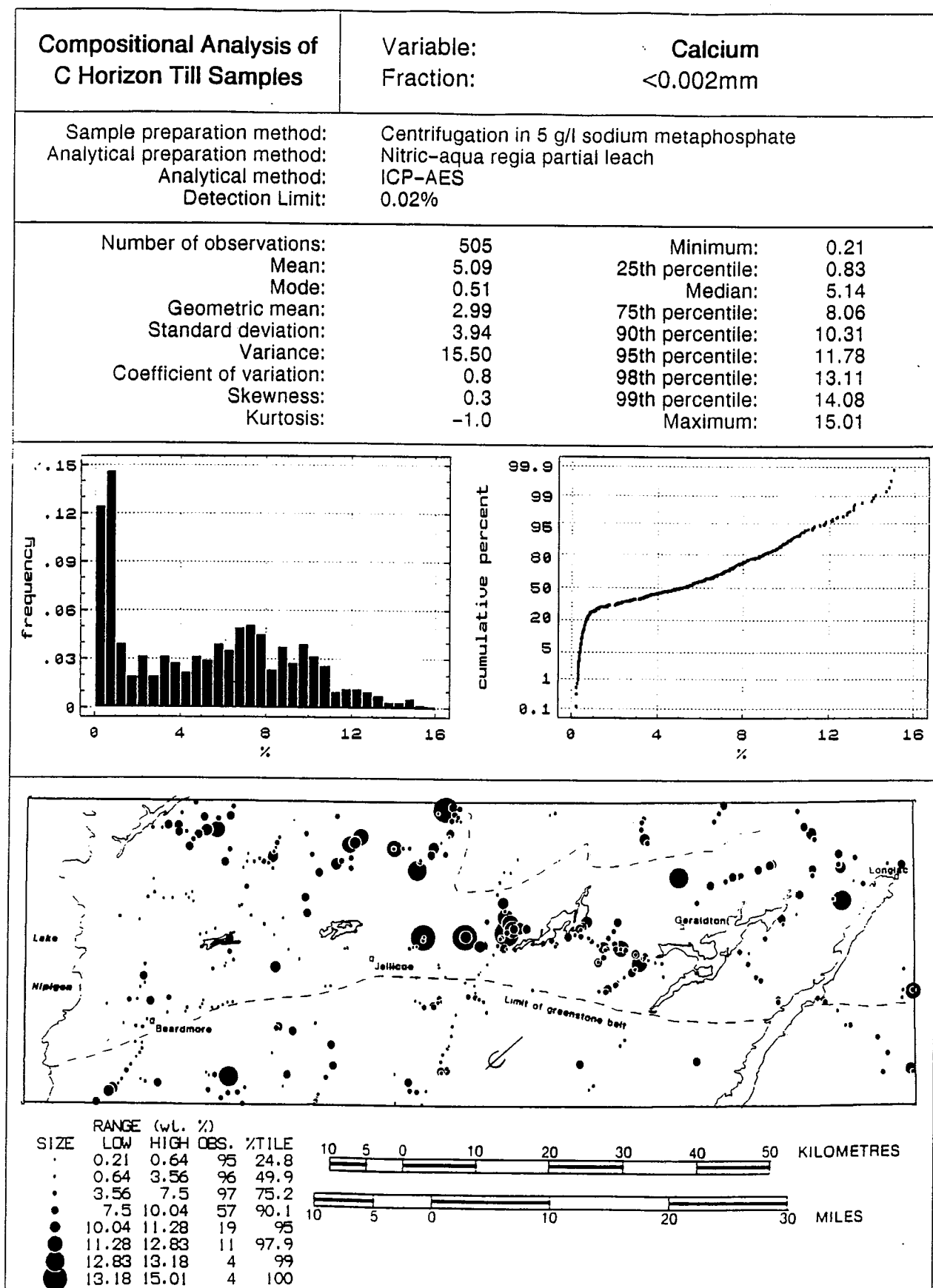
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 0.01%

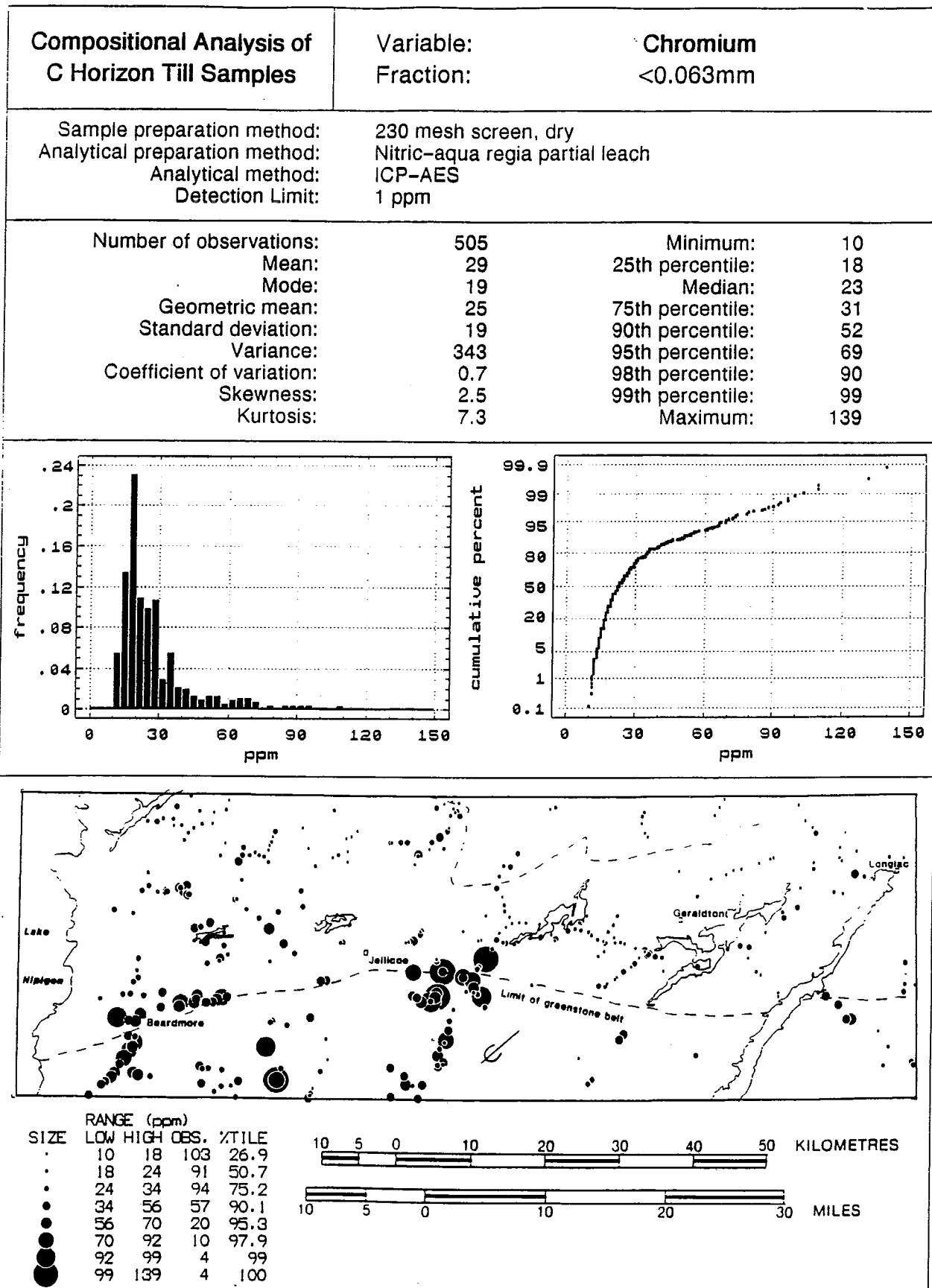
Number of observations:	505	Minimum:	0.15
Mean:	5.51	25th percentile:	0.51
Mode:	0.35	Median:	6.70
Geometric mean:	3.10	75th percentile:	8.56
Standard deviation:	3.62	90th percentile:	9.41
Variance:	13.13	95th percentile:	10.00
Coefficient of variation:	0.66	98th percentile:	10.77
Skewness:	-0.39	99th percentile:	11.09
Kurtosis:	-1.36	Maximum:	12.07

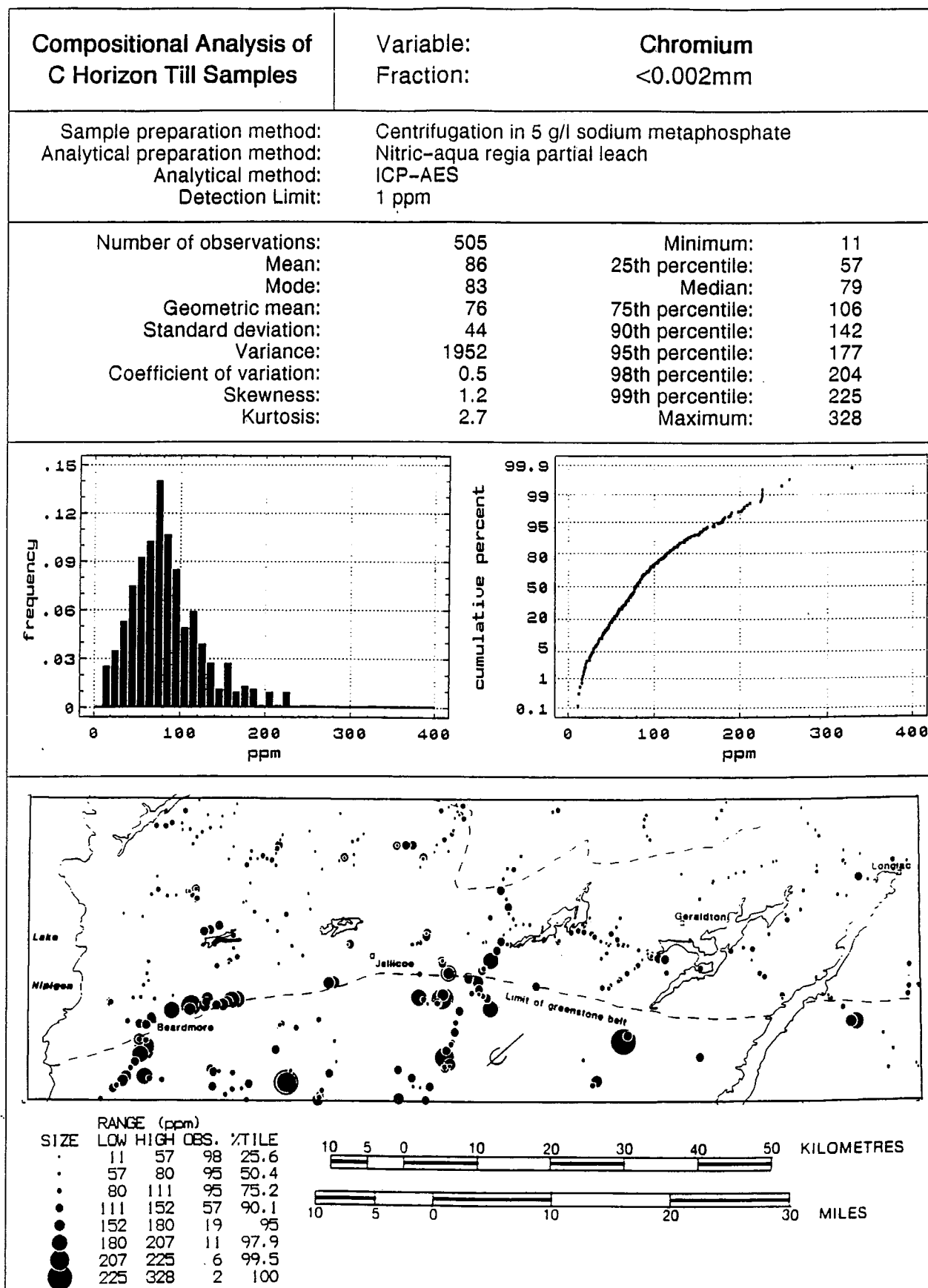


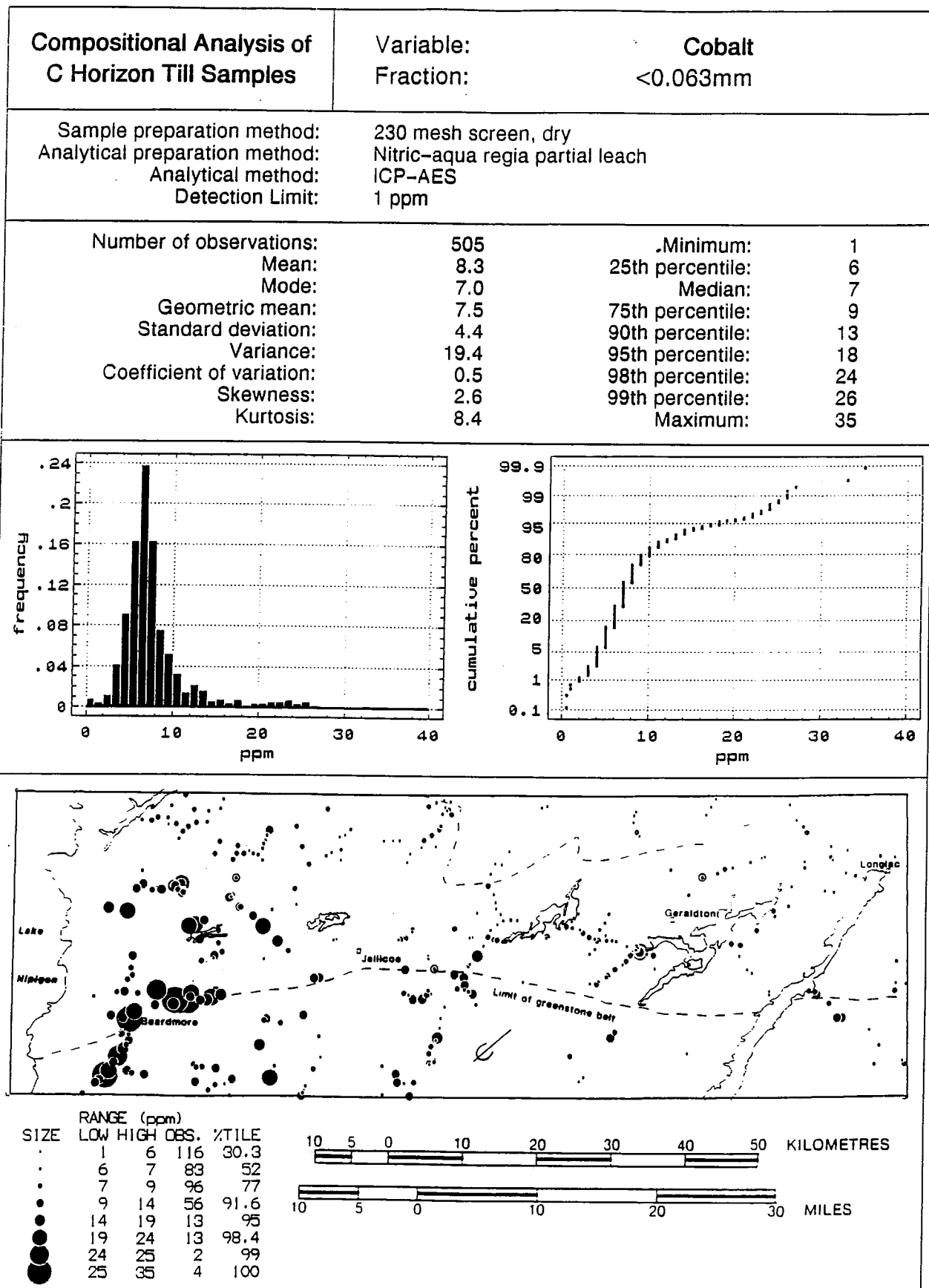
RANGE (wt. %)			
SIZE	LOW	HIGH	OBS. %TILE
•	0.15	0.40	96 25.1
•	0.40	5.74	96 50.1
•	5.74	7.95	95 74.9
•	7.95	8.96	58 90.1
•	8.96	9.41	20 95.3
•	9.41	9.83	10 97.9
•	9.83	10.18	5 99.2
•	10.18	10.82	3 100











Compositional Analysis of C Horizon Till Samples

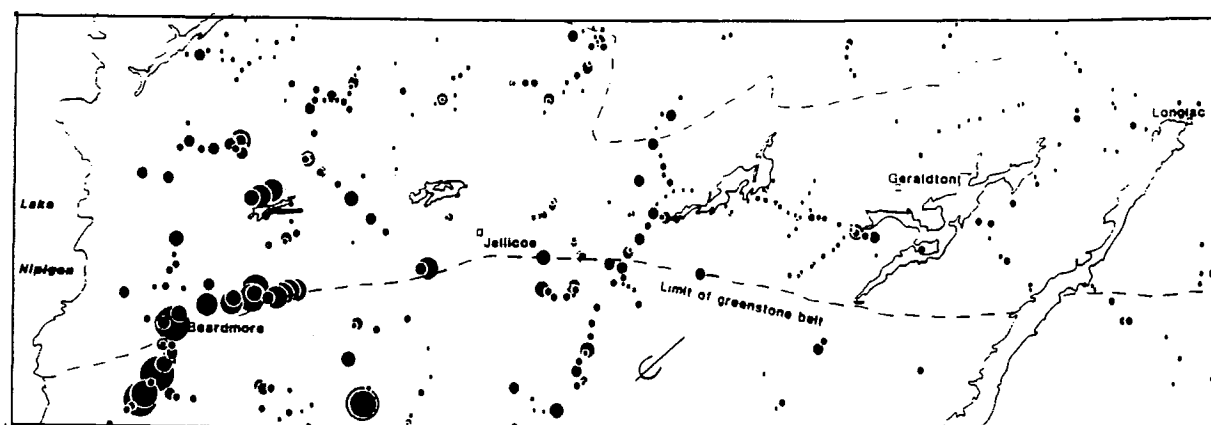
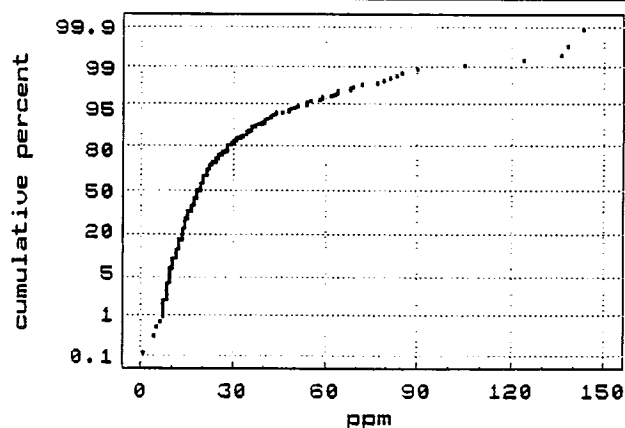
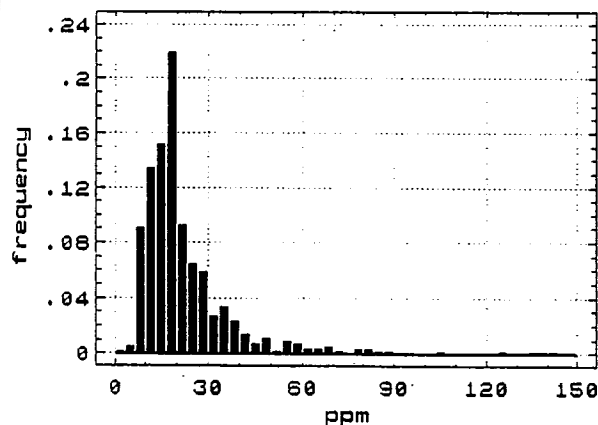
Variable:
Fraction:

Cobalt
<0.002mm

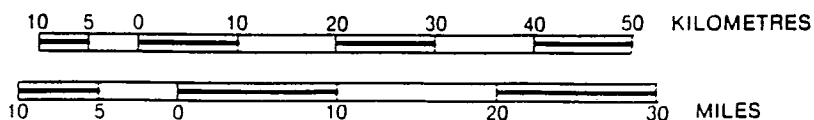
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

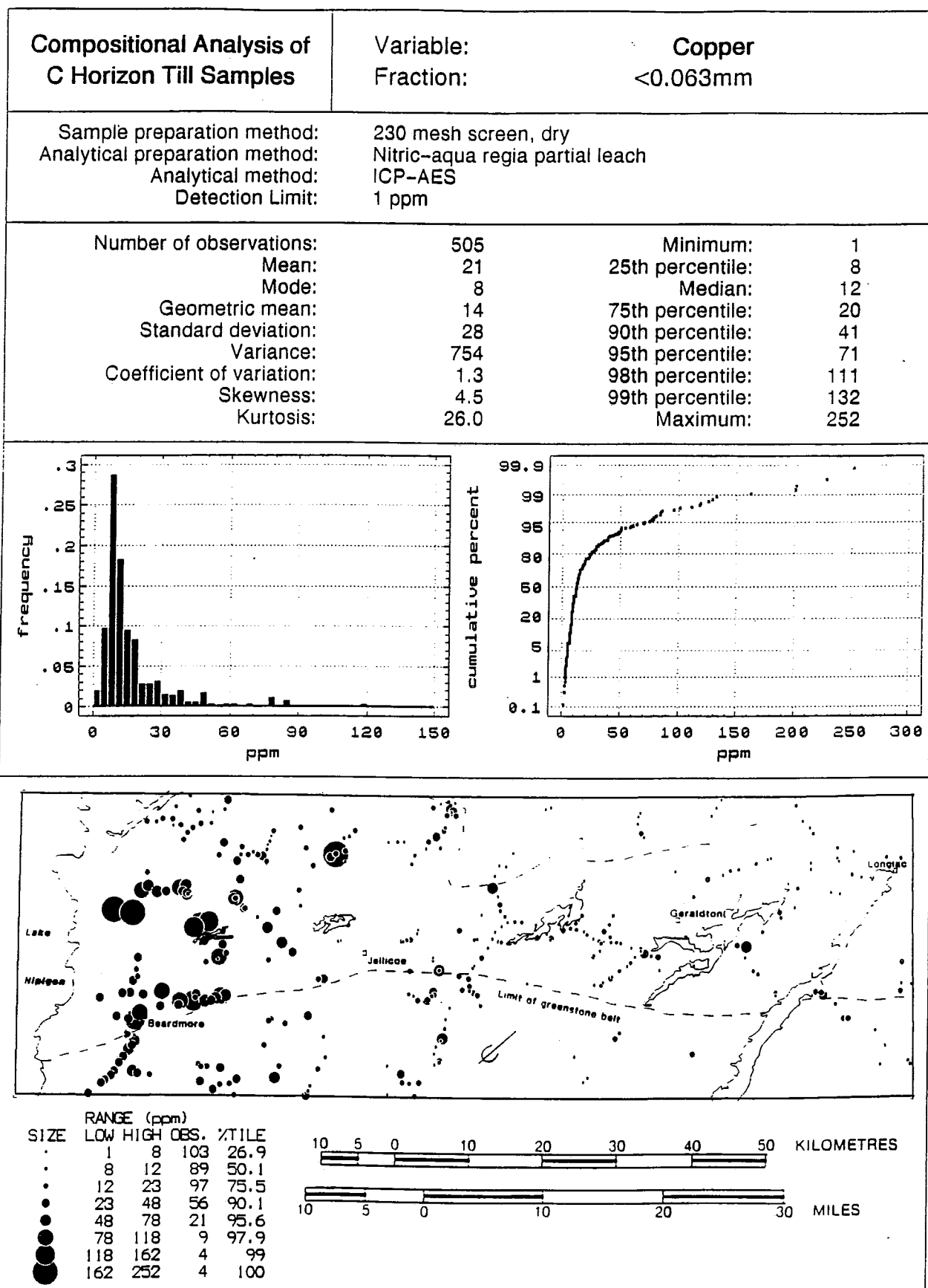
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

Number of observations:	505	Minimum:	0.5
Mean:	23	25th percentile:	14
Mode:	13	Median:	19
Geometric mean:	19	75th percentile:	26
Standard deviation:	17	90th percentile:	40
Variance:	291	95th percentile:	54
Coefficient of variation:	0.7	98th percentile:	77
Skewness:	3.4	99th percentile:	90
Kurtosis:	16.4	Maximum:	143



SIZE	RANGE (ppm)		OBS.	%TILE
1	1	14	113	29.5
14	14	19	86	52
19	19	28	96	77
28	28	42	53	90.9
42	42	58	17	95.3
58	58	81	10	97.9
81	81	105	4	99
105	105	143	4	100





Compositional Analysis of C Horizon Till Samples

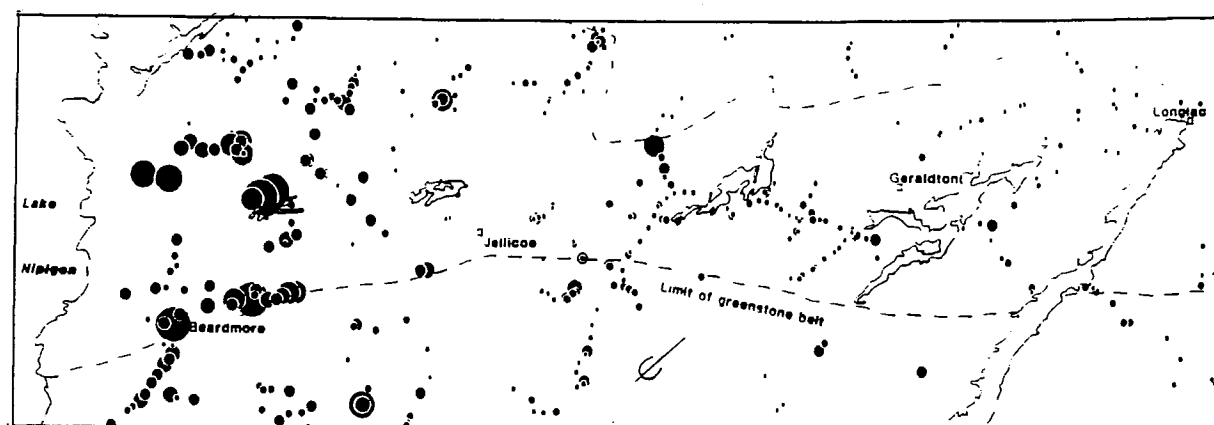
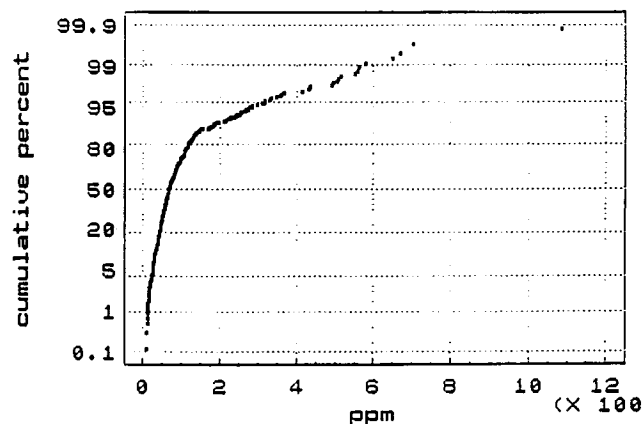
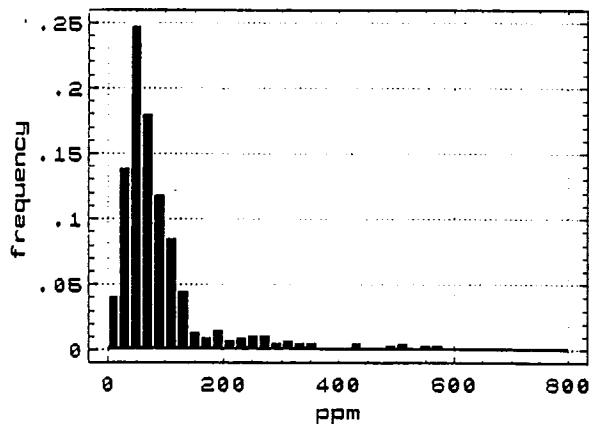
Variable:
Fraction:

Copper
<0.002mm

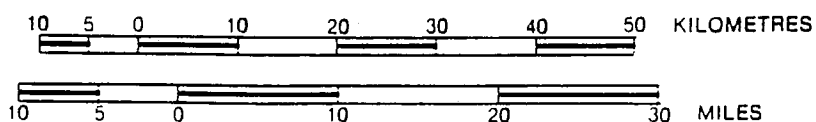
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

Number of observations:	505	Minimum:	8
Mean:	101	25th percentile:	46
Mode:	46	Median:	67
Geometric mean:	72	75th percentile:	106
Standard deviation:	111	90th percentile:	212
Variance:	12395	95th percentile:	317
Coefficient of variation:	1.1	98th percentile:	505
Skewness:	3.7	99th percentile:	562
Kurtosis:	19.0	Maximum:	1086



SIZE	RANGE (ppm)			
	LOW	HIGH	OBS.	%TILE
•	8	46	96	25.1
•	46	70	99	50.9
•	70	111	92	74.9
•	111	250	58	90.1
•	250	335	19	95
•	335	509	11	97.9
•	509	580	4	99
•	580	1086	4	100



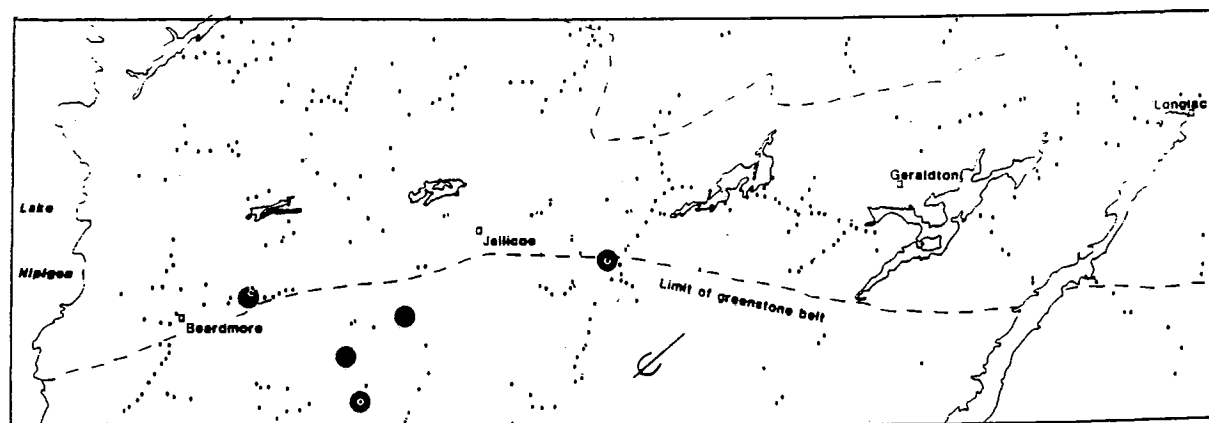
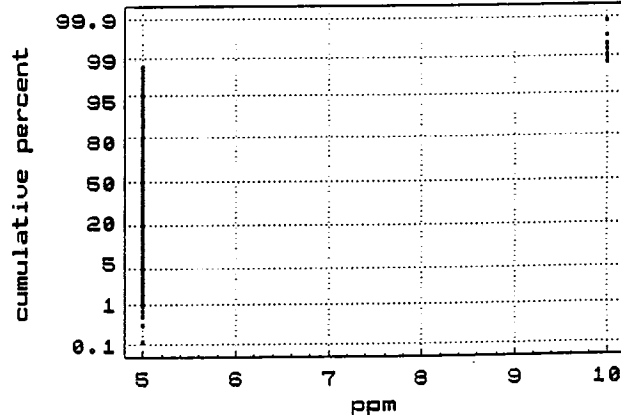
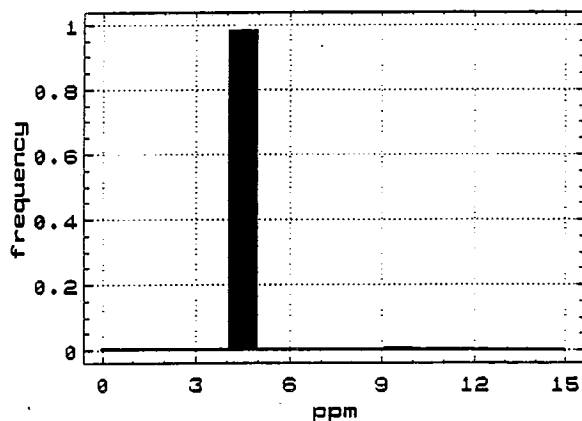
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

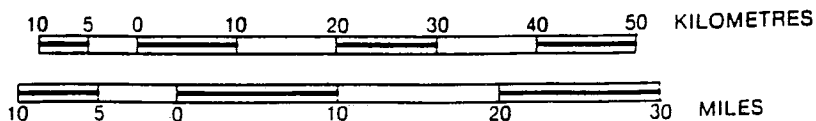
Gallium
<0.063mm

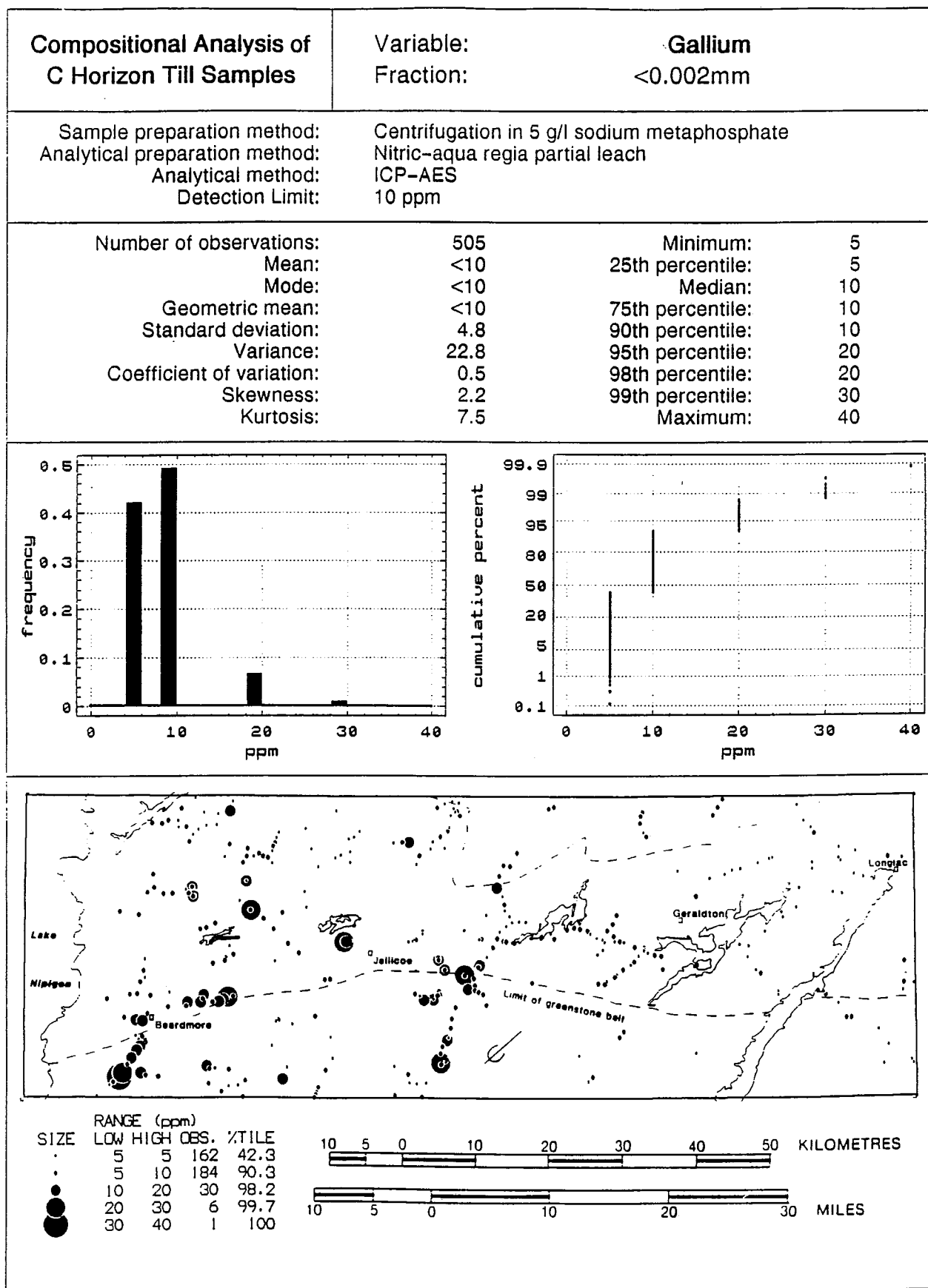
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 10 ppm

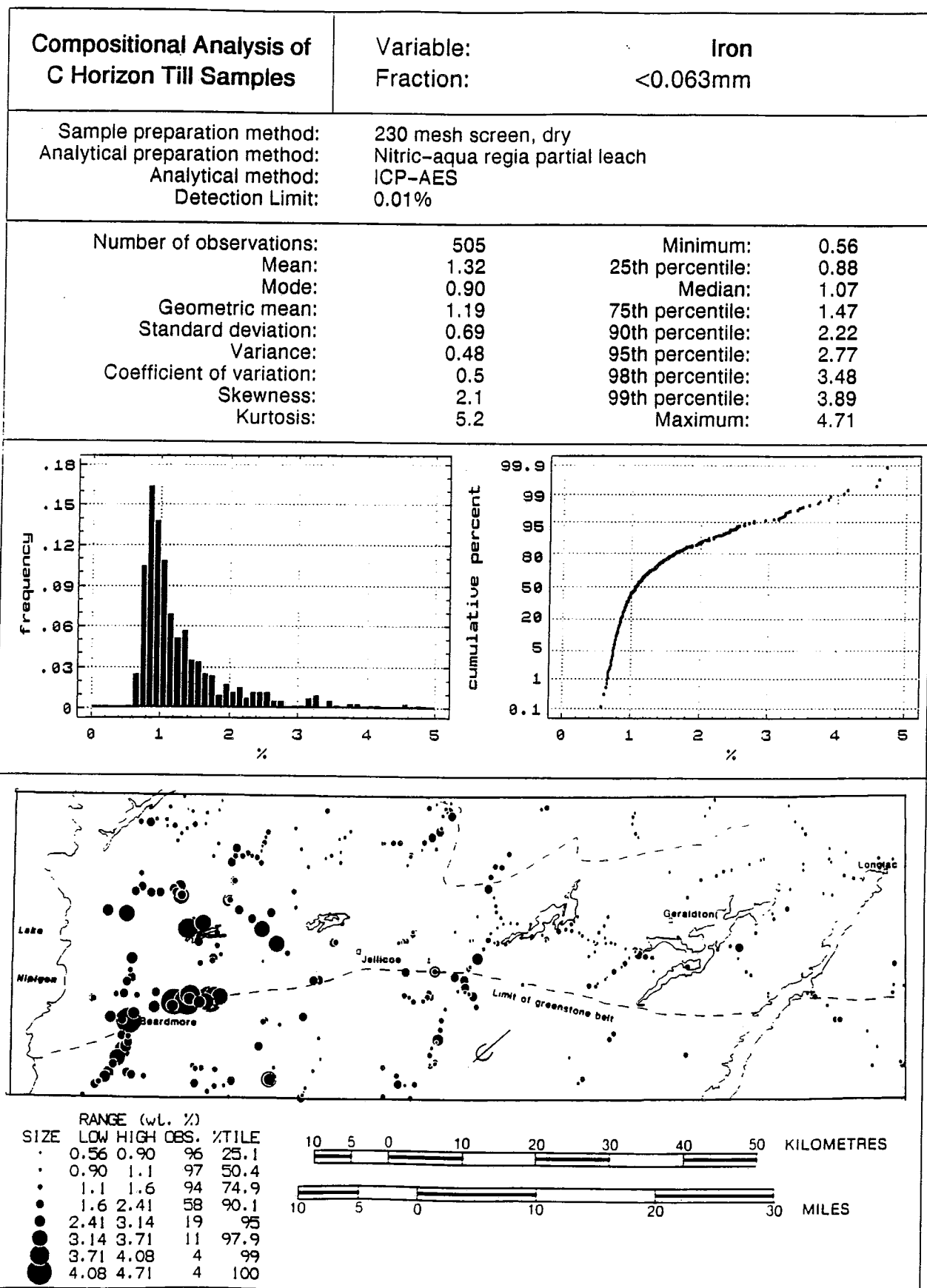
Number of observations:	505	Minimum:	5
Mean:	<10	25th percentile:	5
Mode:	<10	Median:	5
Geometric mean:	<10	75th percentile:	5
Standard deviation:	0.6	90th percentile:	5
Variance:	0.3	95th percentile:	5
Coefficient of variation:	0.1	98th percentile:	5
Skewness:	8.3	99th percentile:	10
Kurtosis:	67.8	Maximum:	10



	RANGE (ppm)		OBS.	%TILE
SIZE	LOW	HIGH		
●	5	5	378	98.7
●	5	10	5	100





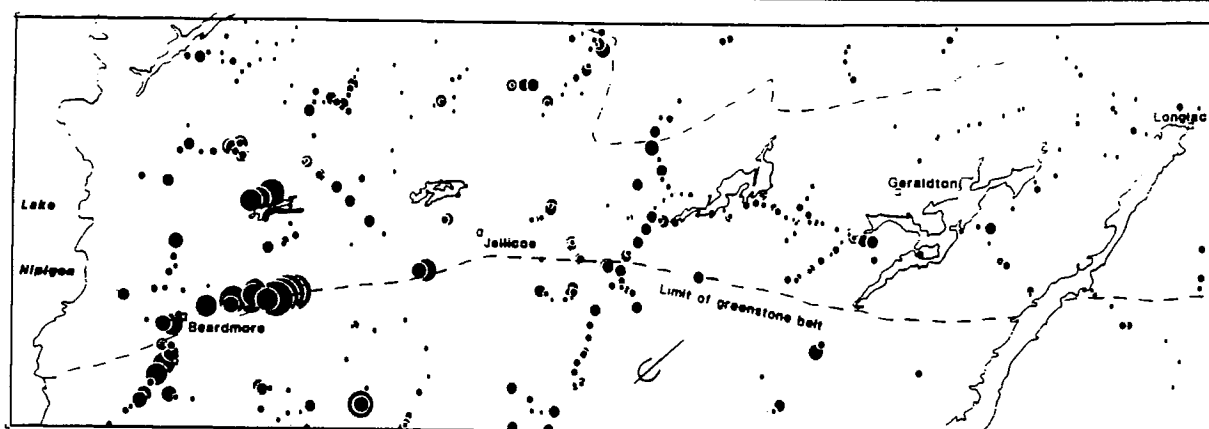
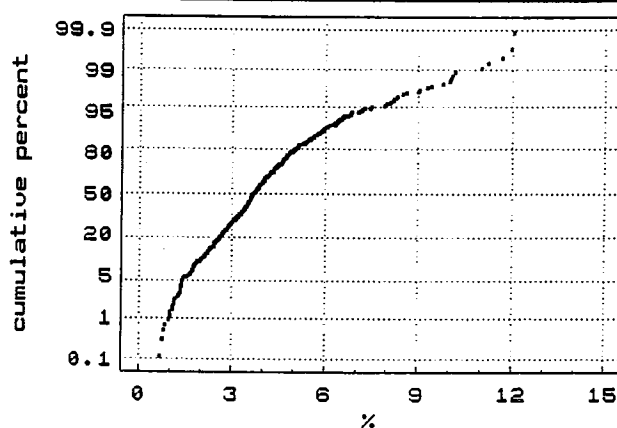
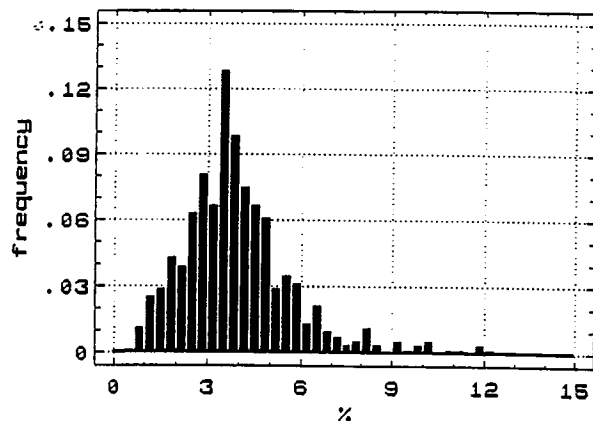


Compositional Analysis of C Horizon Till Samples

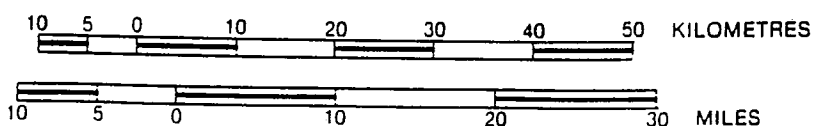
Variable: Iron
Fraction: <0.002mm

Sample preparation method: Centrifugation in 5 g/l sodium metaphosphate
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 0.01%

Number of observations:	505	Minimum:	0.66
Mean:	3.98	25th percentile:	2.81
Mode:	3.58	Median:	3.68
Geometric mean:	3.58	75th percentile:	4.74
Standard deviation:	1.85	90th percentile:	6.11
Variance:	3.43	95th percentile:	7.49
Coefficient of variation:	0.5	98th percentile:	9.41
Skewness:	1.3	99th percentile:	10.16
Kurtosis:	3.0	Maximum:	12.05



RANGE (wt. %)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0.66	2.82	95	24.8
•	2.82	3.73	96	49.9
•	3.73	4.88	96	74.9
•	4.88	6.52	59	90.3
•	6.52	8.13	18	95
•	8.13	10	11	97.9
•	10	11	4	99
•	11	12.05	4	100

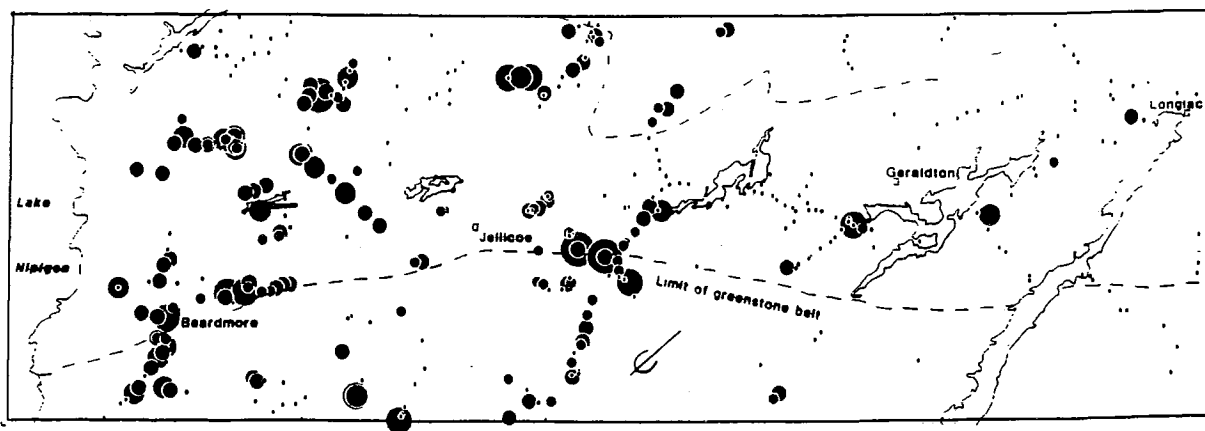
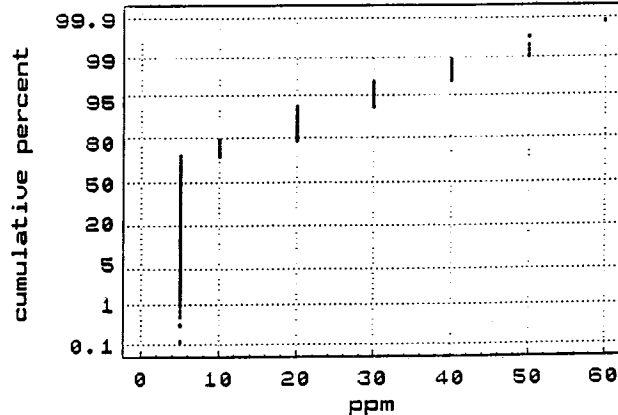
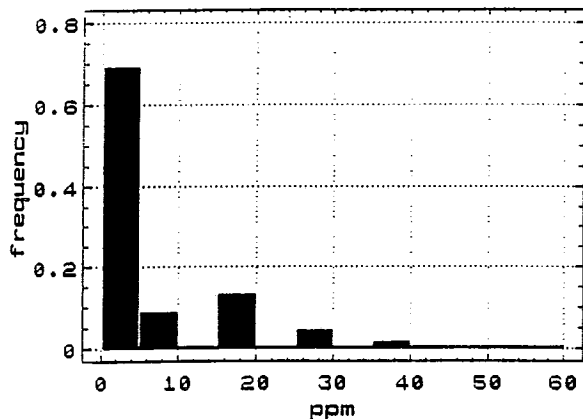


Compositional Analysis of C Horizon Till Samples

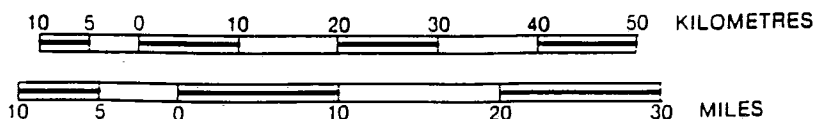
Variable: Lanthanum
Fraction: <0.063mm

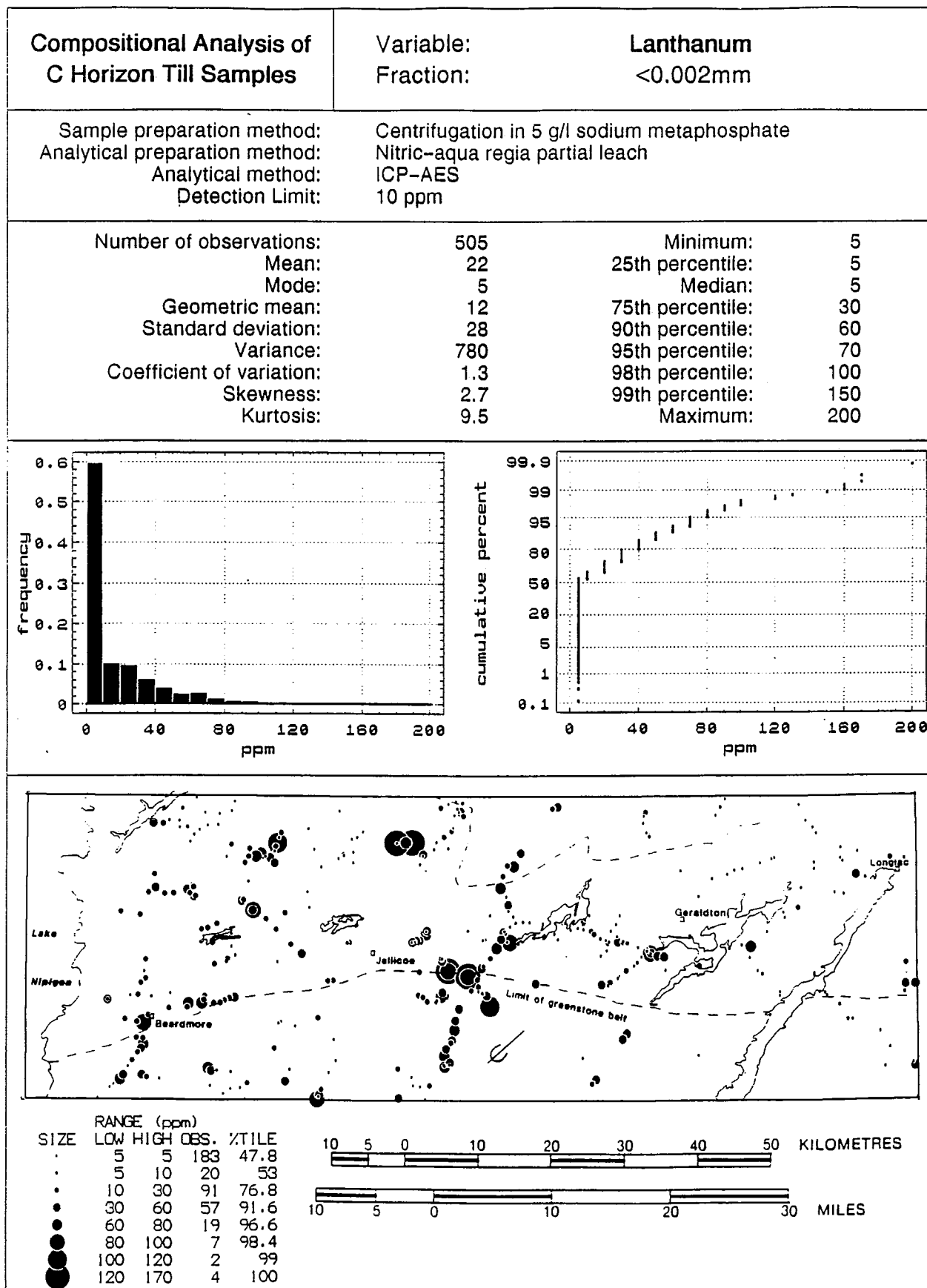
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 10 ppm

Number of observations:	505	Minimum:	5
Mean:	<10	25th percentile:	5
Mode:	<10	Median:	5
Geometric mean:	<10	75th percentile:	10
Standard deviation:	9.3	90th percentile:	20
Variance:	85.6	95th percentile:	30
Coefficient of variation:	0.9	98th percentile:	40
Skewness:	2.2	99th percentile:	40
Kurtosis:	5.1	Maximum:	60



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
●	5	5	239	62.4
●	5	10	46	74.4
●	10	20	64	91.1
●	20	30	21	96.6
●	30	40	10	99.2
●	40	60	3	100





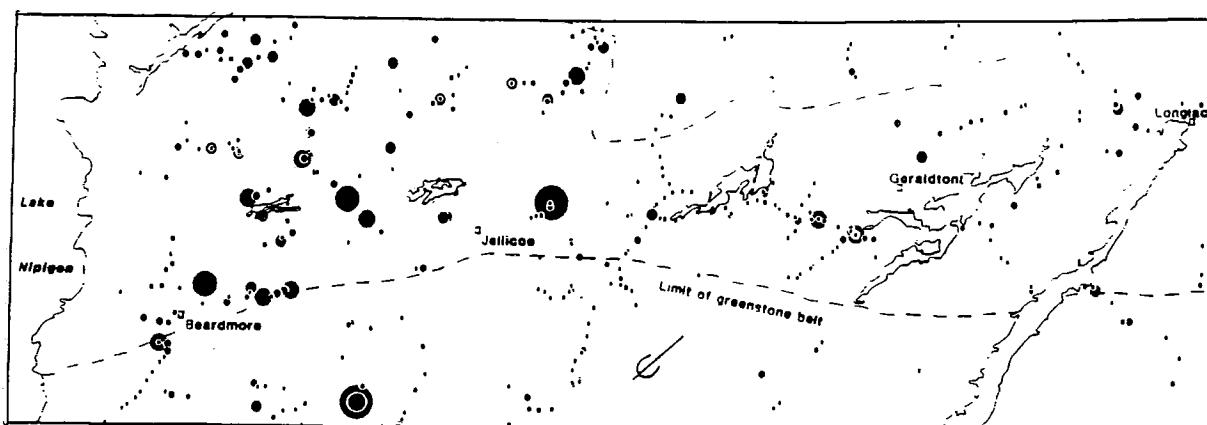
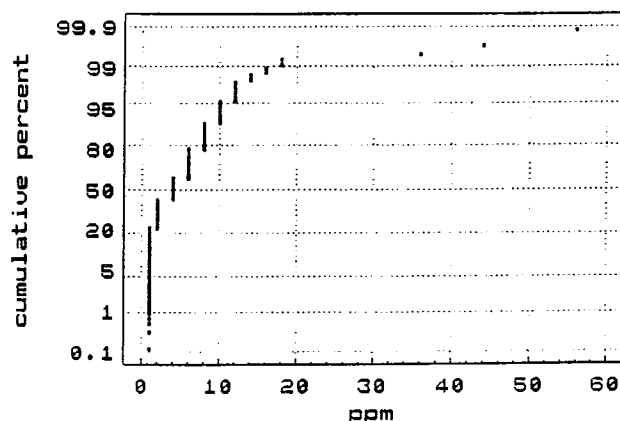
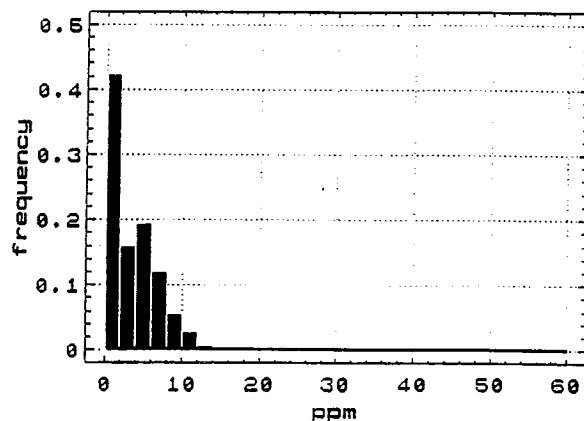
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

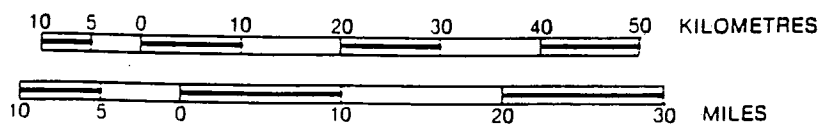
Lead
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	1
Mean:	5	25th percentile:	2
Mode:	<2	Median:	4
Geometric mean:	3	75th percentile:	6
Standard deviation:	5	90th percentile:	10
Variance:	21	95th percentile:	10
Coefficient of variation:	1.0	98th percentile:	12
Skewness:	4.8	99th percentile:	16
Kurtosis:	43.2	Maximum:	56



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
1	1	4	212	55.4
4	4	6	81	76.5
6	6	8	50	89.6
8	8	10	24	95.8
10	10	12	12	99
12	12	14	2	99.5
14	14	16	2	100



Compositional Analysis of C Horizon Till Samples

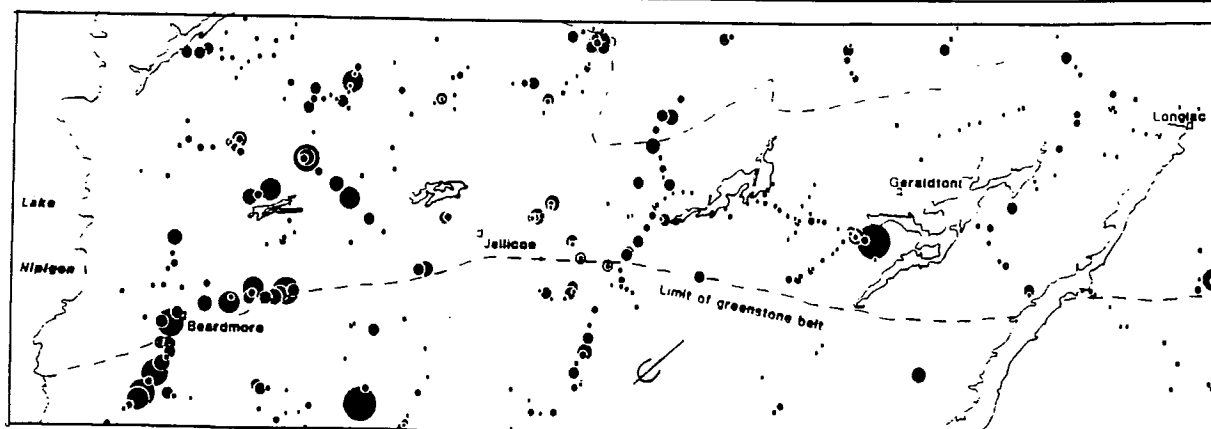
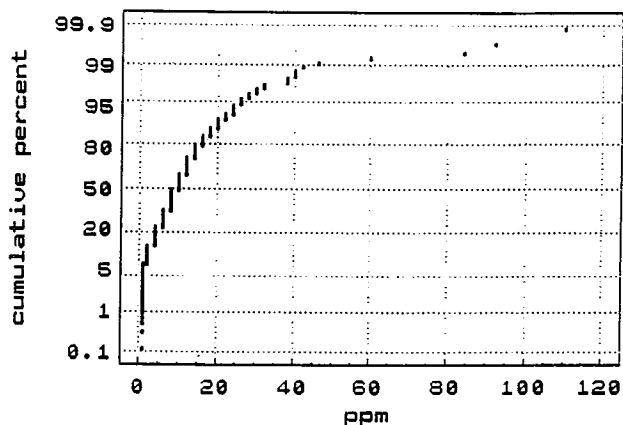
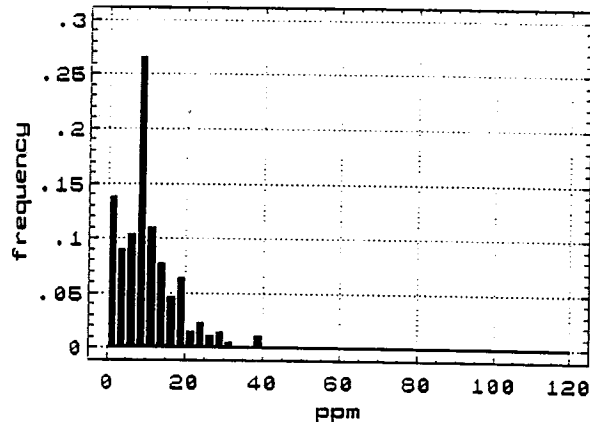
Variable:
Fraction:

Lead
<0.002mm

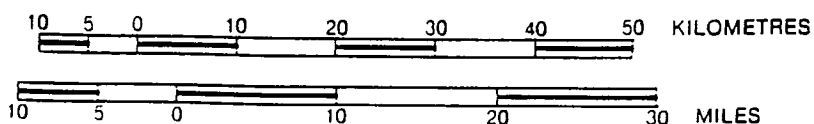
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
2 ppm

Number of observations:	505	Minimum:	1
Mean:	11	25th percentile:	6
Mode:	8	Median:	10
Geometric mean:	8	75th percentile:	14
Standard deviation:	10	90th percentile:	20
Variance:	105	95th percentile:	26
Coefficient of variation:	0.9	98th percentile:	38
Skewness:	4.2	99th percentile:	42
Kurtosis:	29.8	Maximum:	110



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
•	1	6	128	33.4
•	6	10	99	59.3
•	10	14	73	78.3
•	14	22	50	91.4
•	22	26	17	95.8
•	26	32	8	97.9
•	32	40	5	99.2
•	40	92	3	100



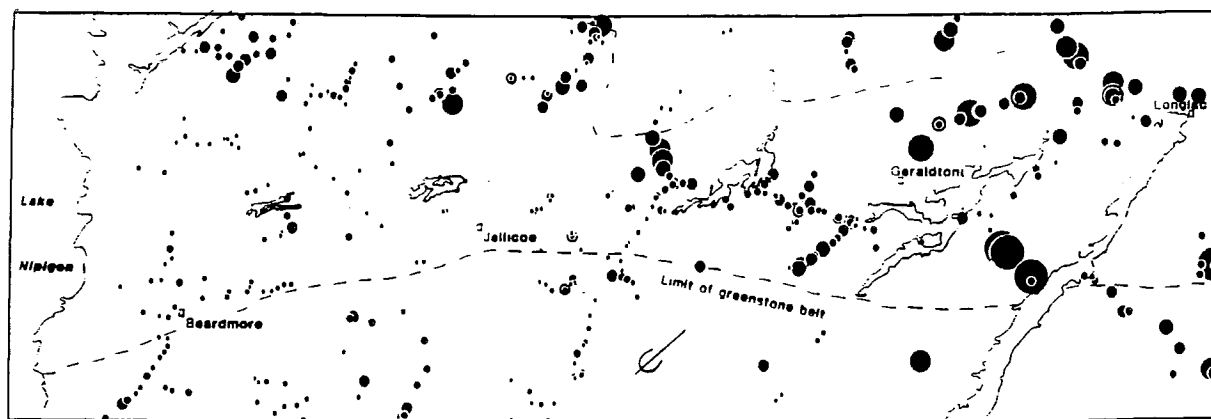
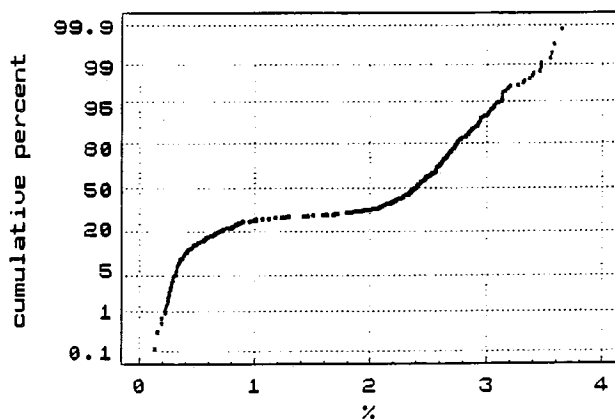
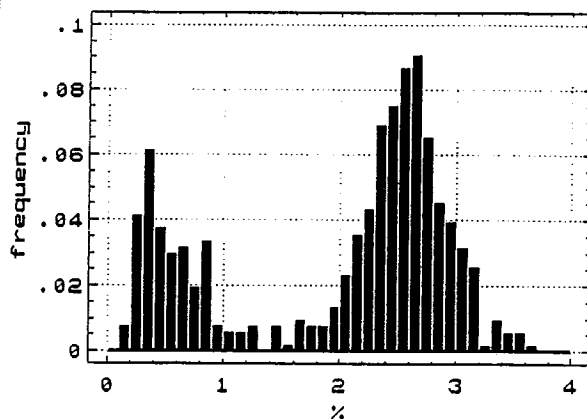
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

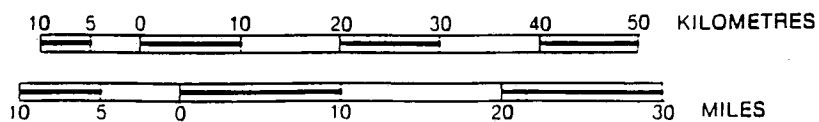
Magnesium
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 0.01%

Number of observations:	505	Minimum:	0.13
Mean:	1.98	25th percentile:	0.86
Mode:	2.57	Median:	2.40
Geometric mean:	1.57	75th percentile:	2.69
Standard deviation:	0.98	90th percentile:	2.94
Variance:	0.96	95th percentile:	3.12
Coefficient of variation:	0.5	98th percentile:	3.32
Skewness:	-0.7	99th percentile:	3.47
Kurtosis:	-1.1	Maximum:	3.65



SIZE	RANGE (wt. %)		OBS.	%TILE
•	0.13	0.66	95	24.8
•	0.66	2.29	97	50.1
•	2.29	2.63	97	75.5
•	2.63	2.84	56	90.1
•	2.84	3.06	20	95.3
•	3.06	3.18	10	97.9
•	3.18	3.39	4	99
•	3.39	3.58	4	100



Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

Magnesium
<0.002mm

Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

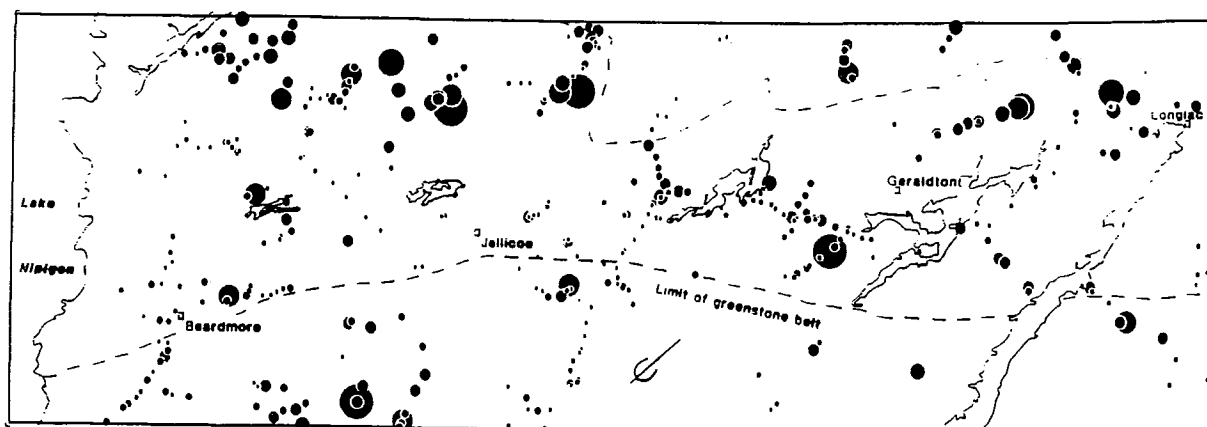
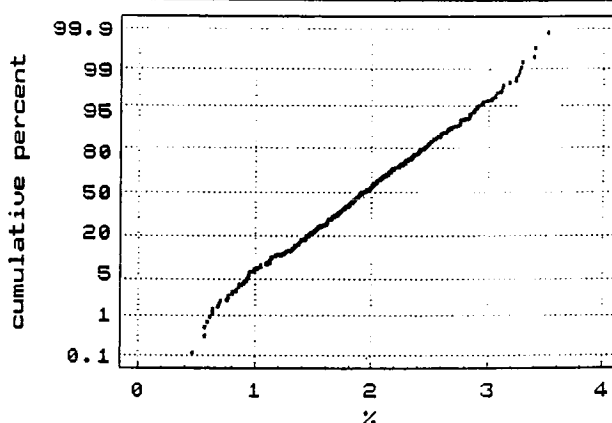
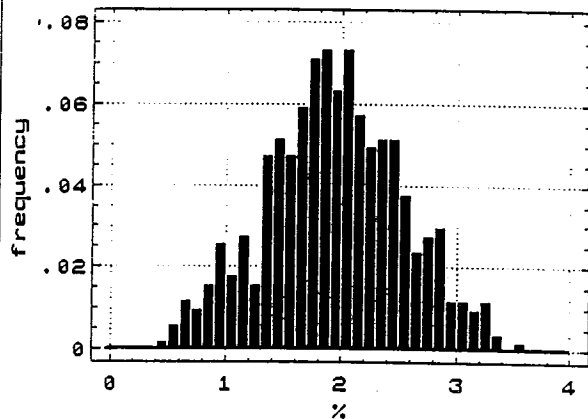
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
0.01%

Number of observations:
Mean:
Mode:
Geometric mean:
Standard deviation:
Variance:
Coefficient of variation:
Skewness:
Kurtosis:

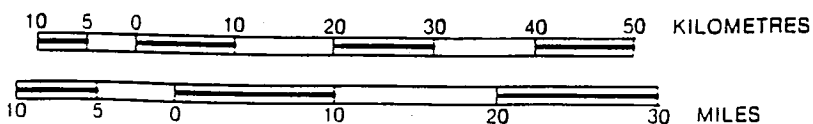
505
1.94
2.16
1.84
0.59
0.35
0.3
0.0
-0.3

Minimum:
25th percentile:
Median:
75th percentile:
90th percentile:
95th percentile:
98th percentile:
99th percentile:
Maximum:

0.46
1.54
1.93
2.35
2.74
2.91
3.12
3.27
3.52



RANGE (wt. %)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0.46	1.44	99	25.8
•	1.44	1.84	92	49.9
•	1.84	2.34	96	74.9
•	2.34	2.76	60	90.6
•	2.76	2.95	18	95.3
•	2.95	3.12	11	98.2
•	3.12	3.28	3	99
•	3.28	3.52	4	100



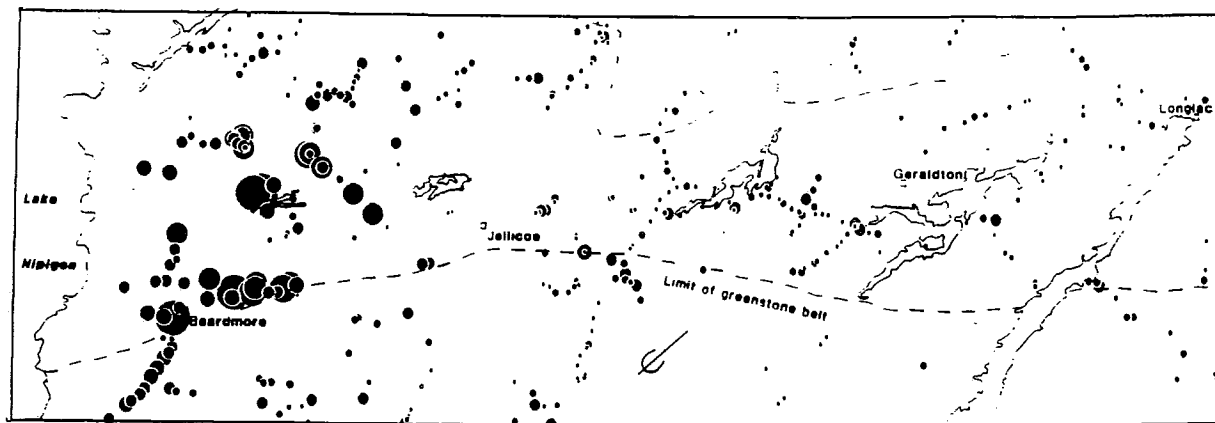
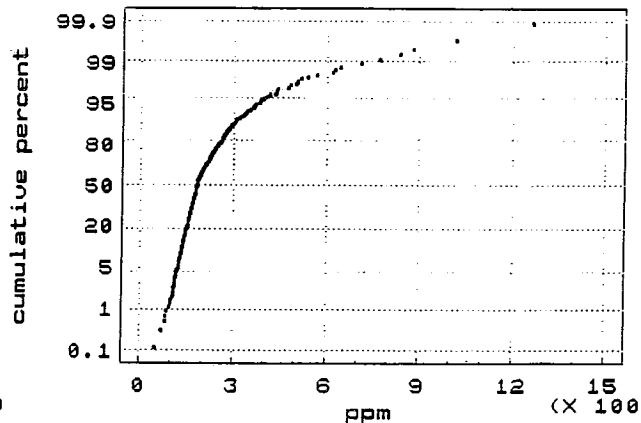
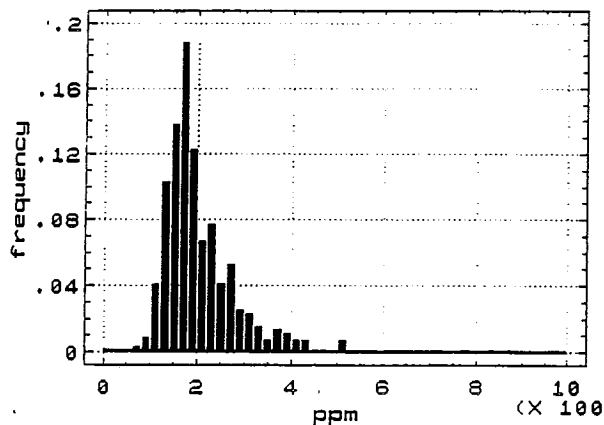
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

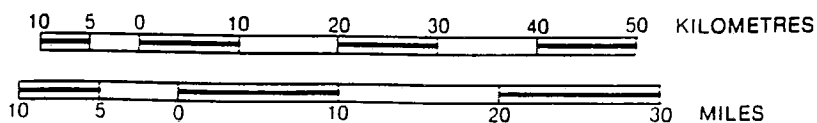
Manganese
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 1 ppm

Number of observations:	505	Minimum:	50
Mean:	215	25th percentile:	154
Mode:	166	Median:	182
Geometric mean:	197	75th percentile:	238
Standard deviation:	116	90th percentile:	321
Variance:	13507	95th percentile:	401
Coefficient of variation:	0.5	98th percentile:	537
Skewness:	3.8	99th percentile:	711
Kurtosis:	22.5	Maximum:	1264



SIZE	RANGE (ppm)		OBS.	%TILE
•	50	154	97	25.3
•	154	181	95	50.1
•	181	239	95	74.9
•	239	347	58	90.1
•	347	437	19	95
•	437	617	11	97.9
•	617	770	4	99
•	770	1264	4	100



Compositional Analysis of C Horizon Till Samples

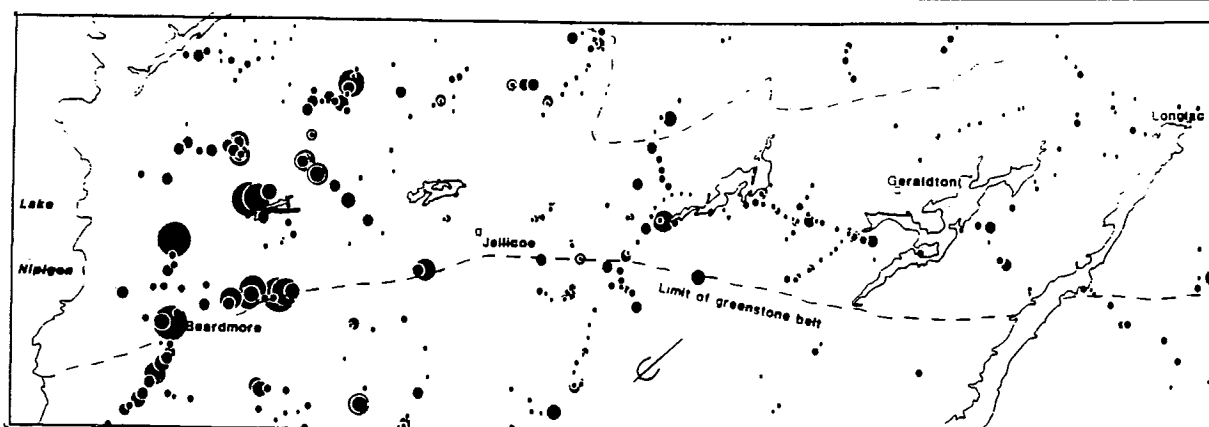
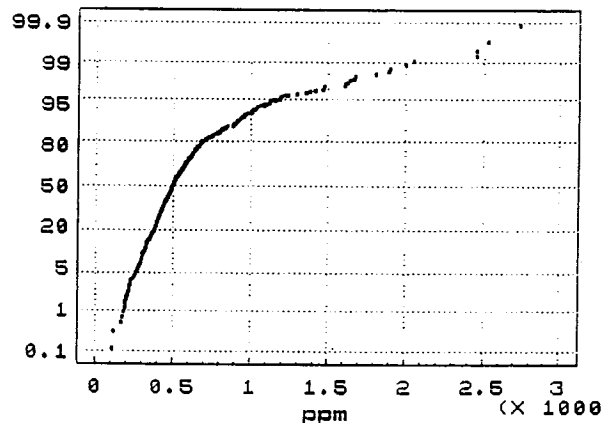
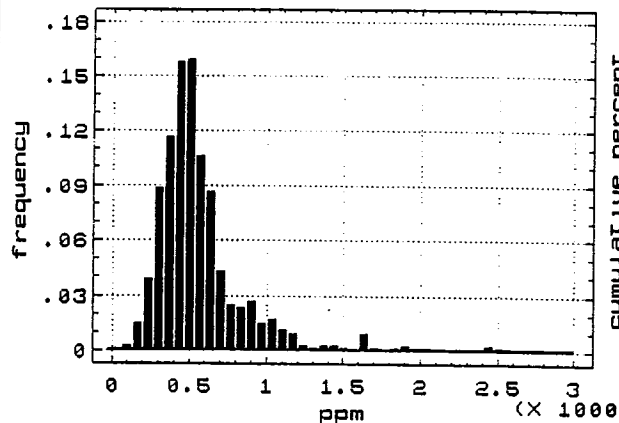
Variable:
Fraction:

Manganese
<0.002mm

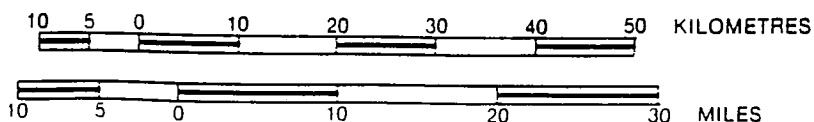
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

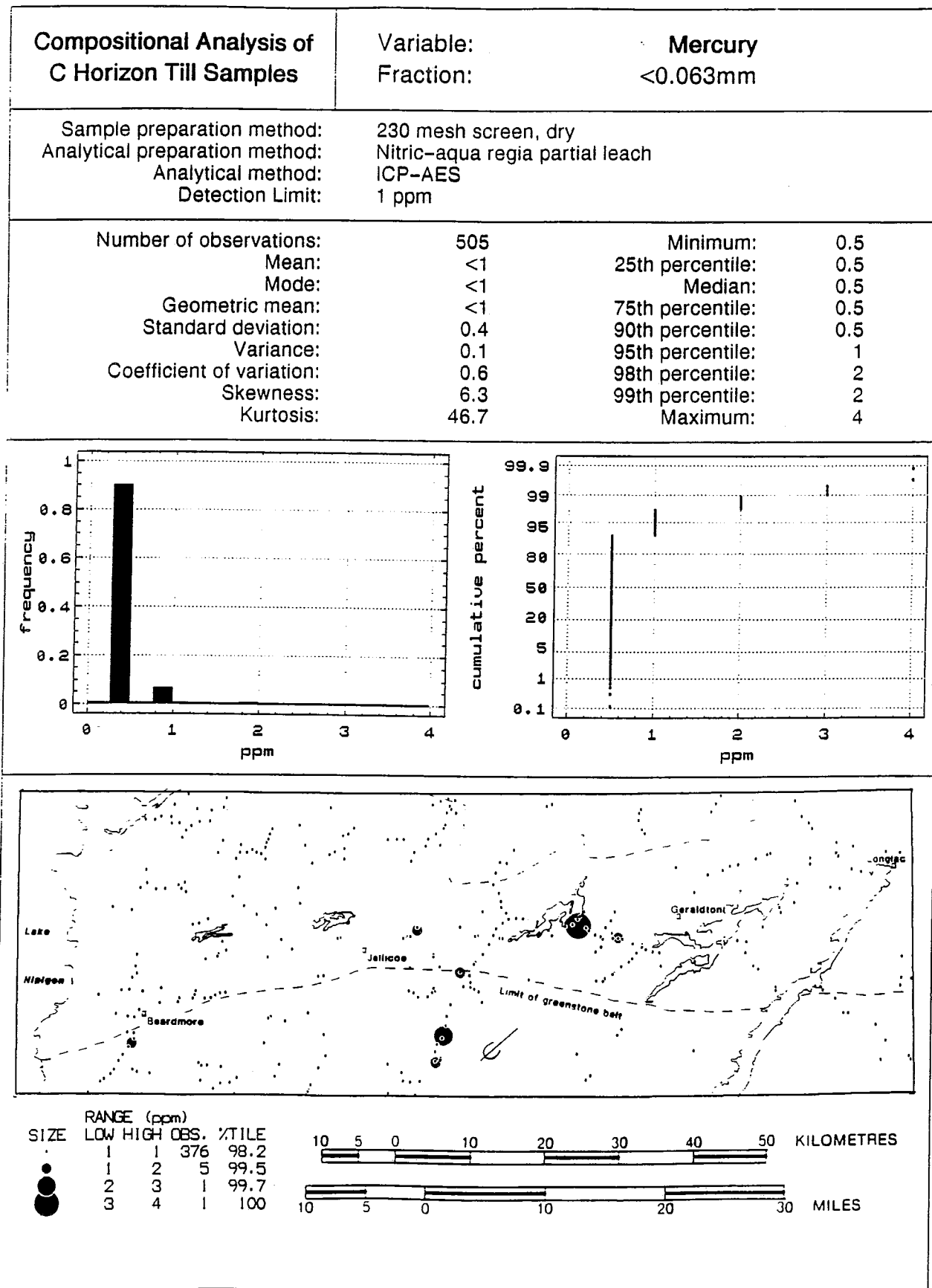
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

Number of observations:	505	Minimum:	106
Mean:	580	25th percentile:	394
Mode:	482	Median:	494
Geometric mean:	515	75th percentile:	639
Standard deviation:	339	90th percentile:	936
Variance:	114951	95th percentile:	1183
Coefficient of variation:	0.6	98th percentile:	1661
Skewness:	2.8	99th percentile:	1997
Kurtosis:	10.8	Maximum:	2738



SIZE	RANGE (ppm)		OBS.	%TILE
•	106	390	96	25.1
•	390	489	96	50.1
•	489	648	95	74.9
•	648	1003	58	90.1
•	1003	1298	19	95
•	1298	1810	11	97.9
•	1810	2051	4	99
•	2051	2738	4	100





Compositional Analysis of C Horizon Till Samples

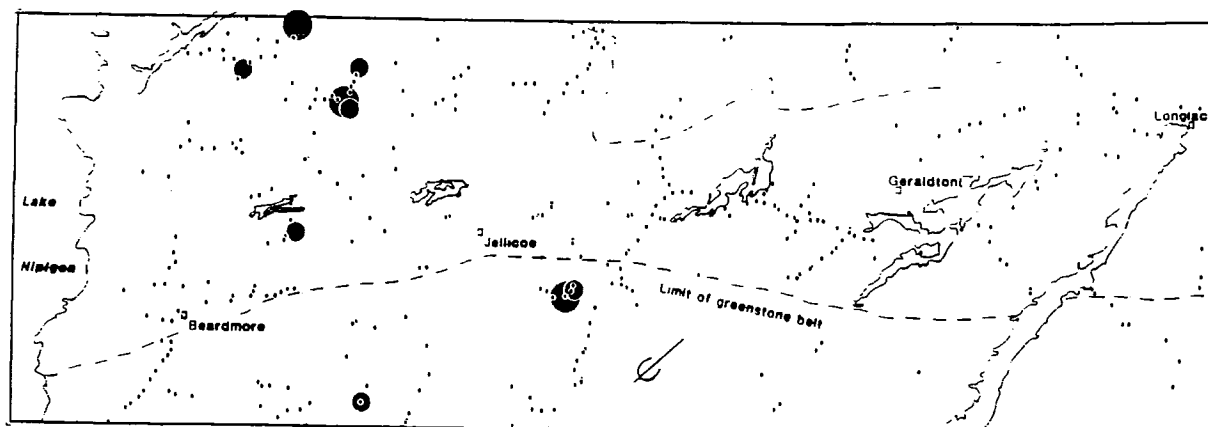
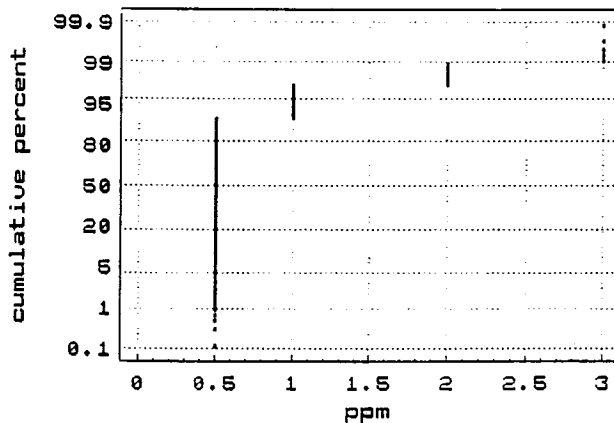
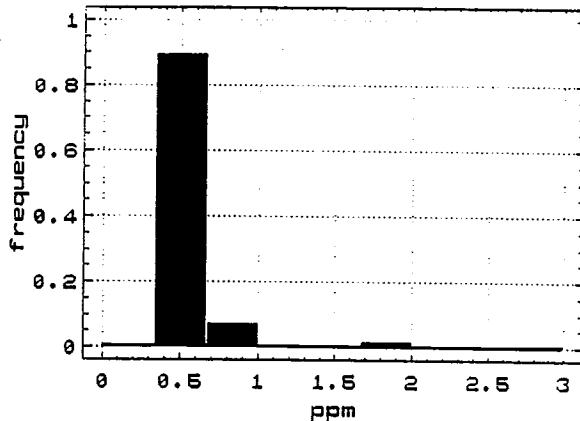
Variable:
Fraction:

Mercury
<0.002mm

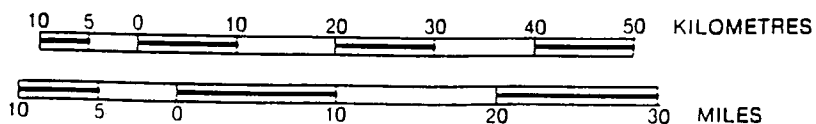
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

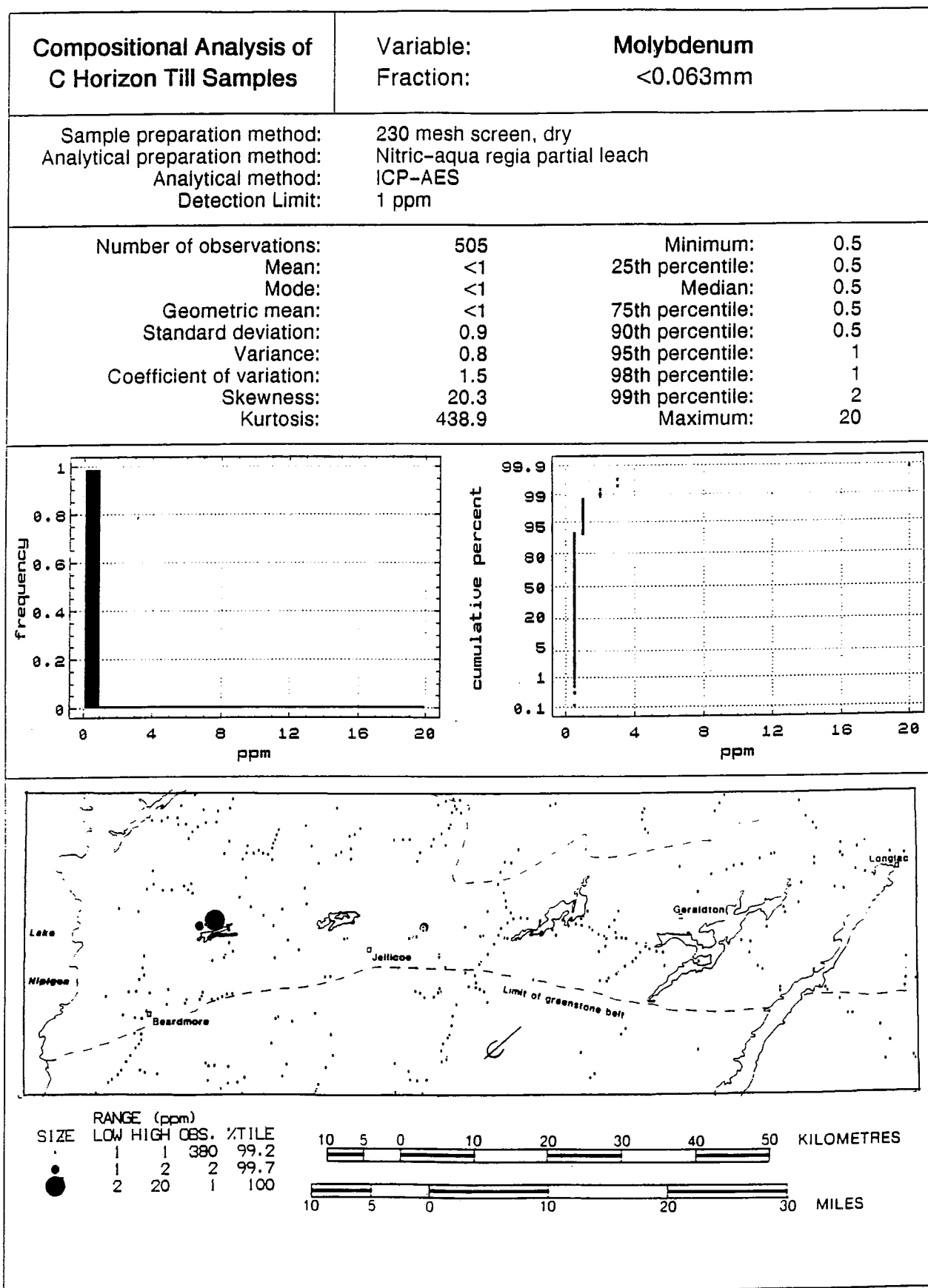
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

Number of observations:	505	Minimum:	0.5
Mean:	<1	25th percentile:	0.5
Mode:	<1	Median:	0.5
Geometric mean:	<1	75th percentile:	0.5
Standard deviation:	0.3	90th percentile:	1
Variance:	0.1	95th percentile:	1
Coefficient of variation:	0.6	98th percentile:	2
Skewness:	5.0	99th percentile:	2
Kurtosis:	27.8	Maximum:	3



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
1	1	1	374	97.7
2	2	2	6	99.2
3	3	3	3	100





Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

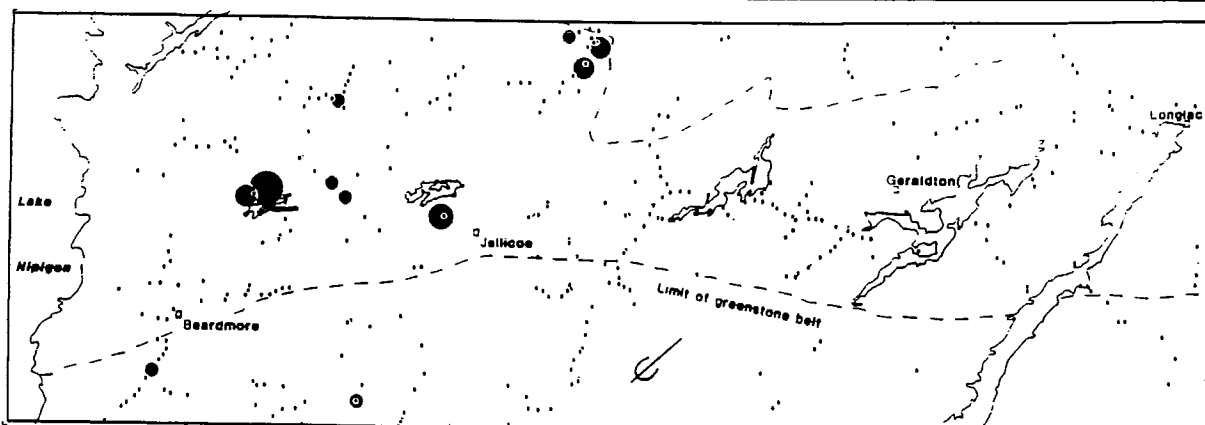
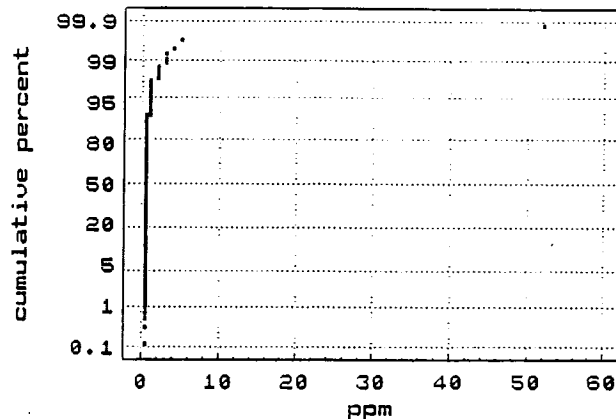
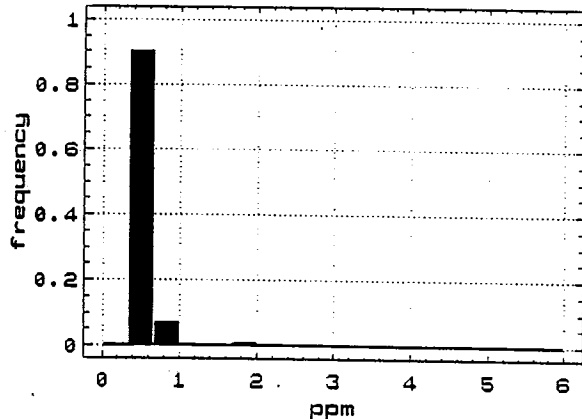
Molybdenum
<0.002mm

Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

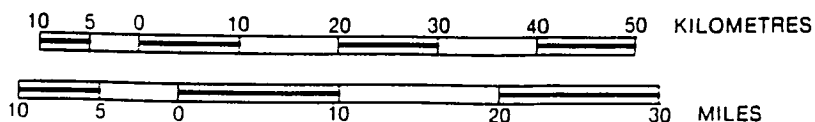
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

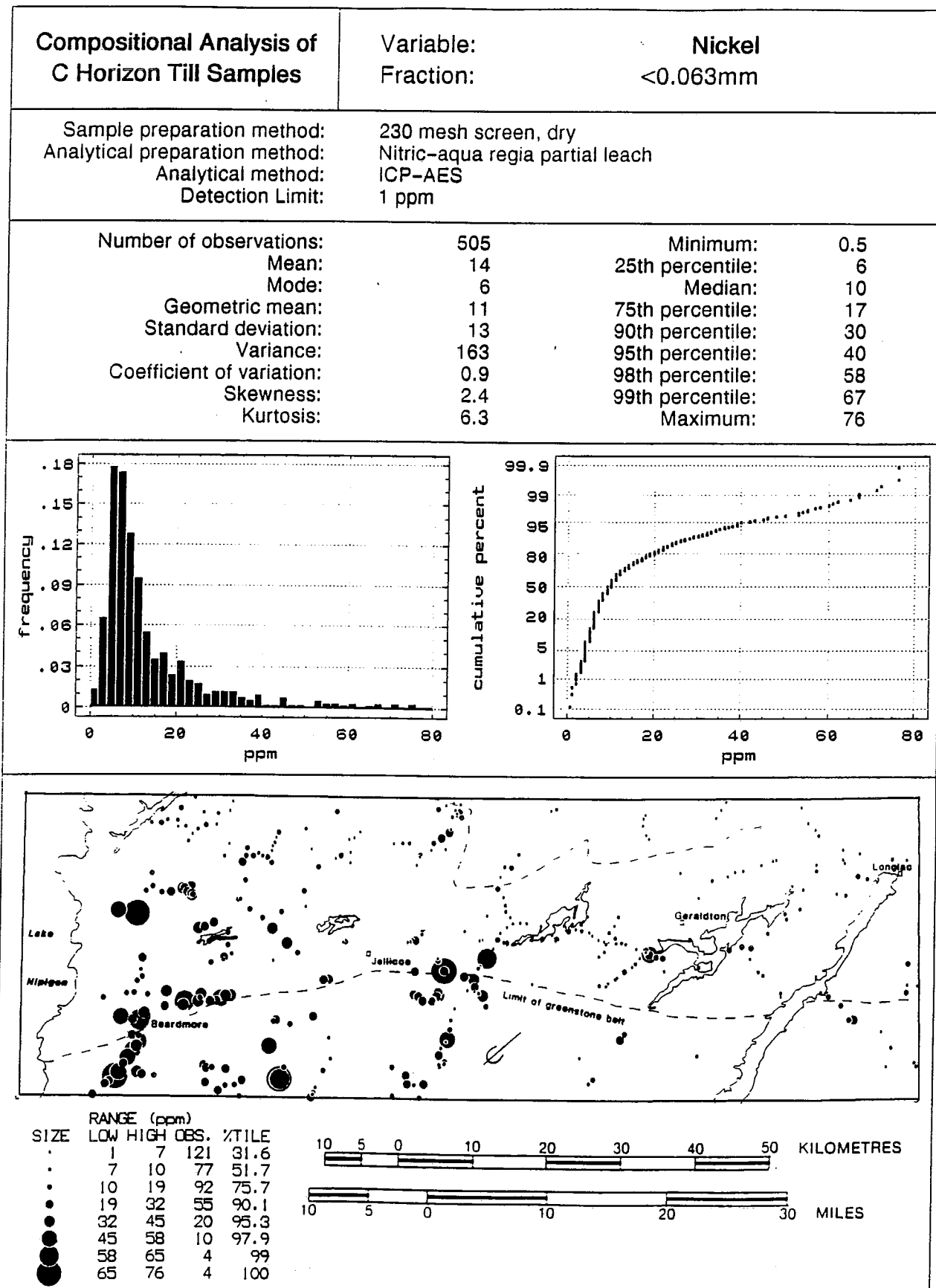
Number of observations: 505
Mean: <1
Mode: <1
Geometric mean: <1
Standard deviation: 2.3
Variance: 5.4
Coefficient of variation: 3.4
Skewness: 21.6
Kurtosis: 479.0

Minimum: 0.5
25th percentile: 0.5
Median: 0.5
75th percentile: 0.5
90th percentile: 0.5
95th percentile: 1
98th percentile: 2
99th percentile: 3
Maximum: 52



SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
1	1	2	372	97.1
2	3	3	6	98.7
3	4	1	3	99.5
4	52	1	1	99.7





Compositional Analysis of C Horizon Till Samples

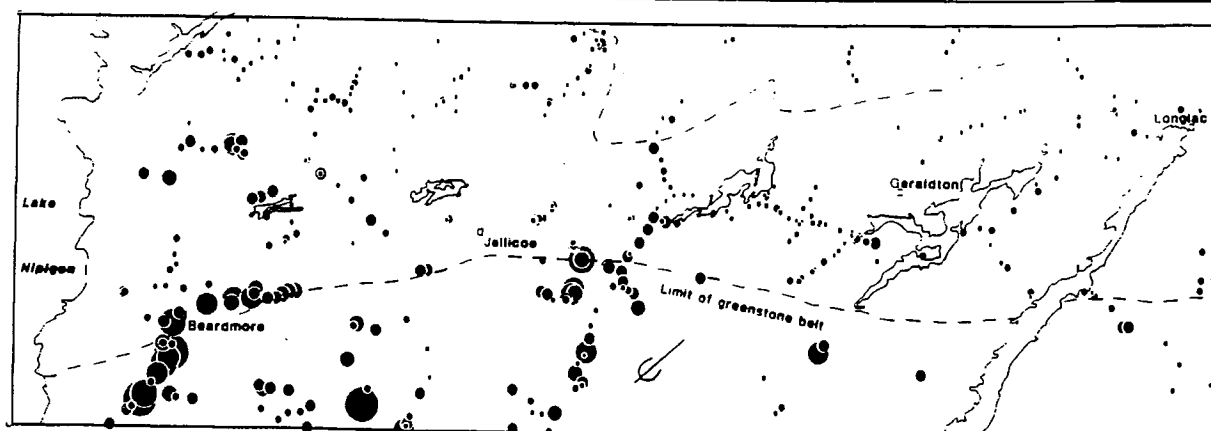
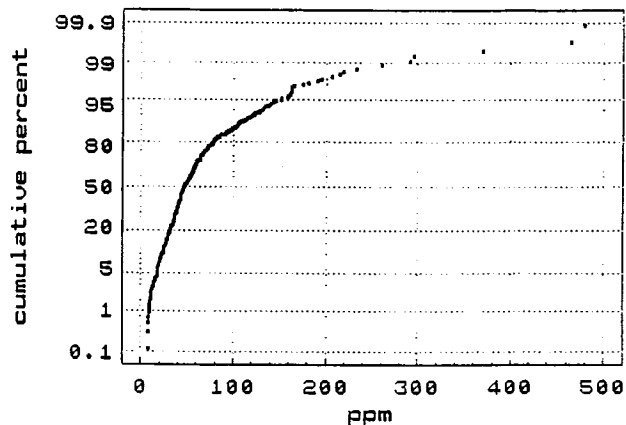
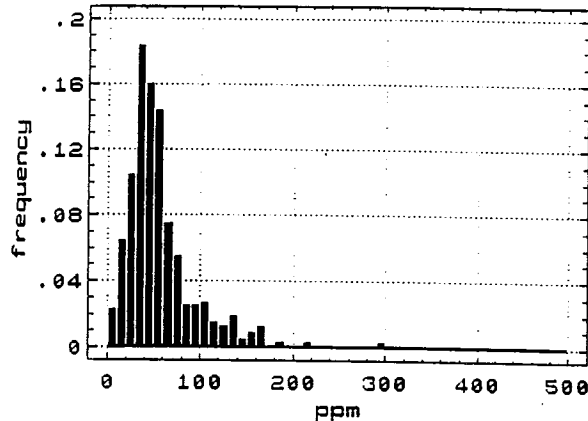
Variable:
Fraction:

Nickel
<0.002mm

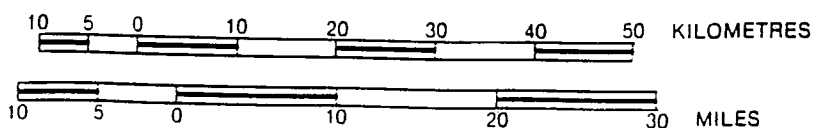
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

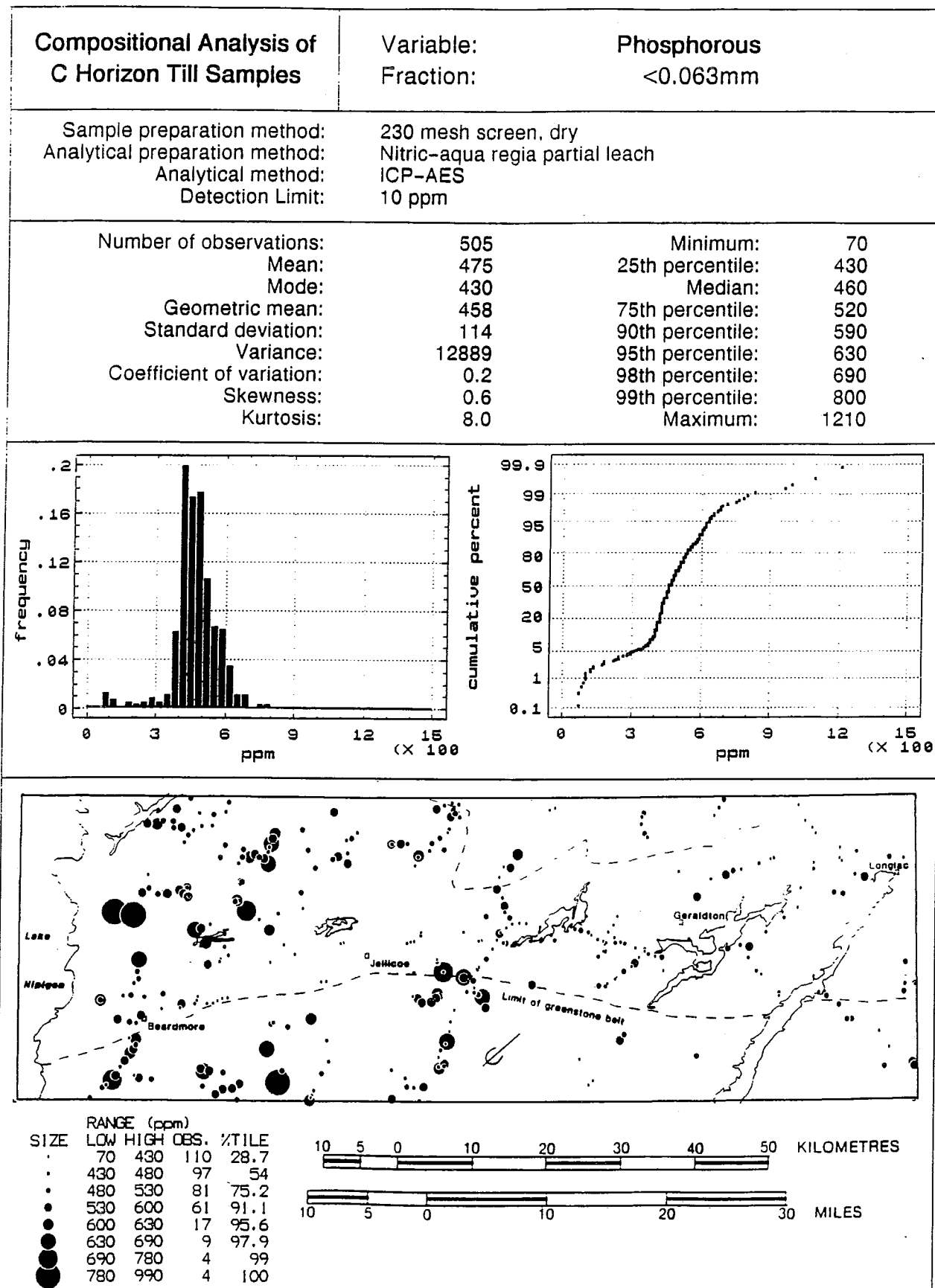
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

Number of observations:	505	Minimum:	7
Mean:	61	25th percentile:	34
Mode:	40	Median:	47
Geometric mean:	49	75th percentile:	69
Standard deviation:	51	90th percentile:	114
Variance:	2558	95th percentile:	151
Coefficient of variation:	0.8	98th percentile:	195
Skewness:	3.7	99th percentile:	261
Kurtosis:	21.3	Maximum:	479



SIZE	RANGE (ppm)			
	LOW	HIGH	OBS.	%TILE
•	7	34	96	25.1
•	34	51	98	50.7
•	51	75	93	74.9
•	75	121	58	90.1
•	121	159	19	95
•	159	195	11	97.9
•	195	233	4	99
•	233	479	4	100



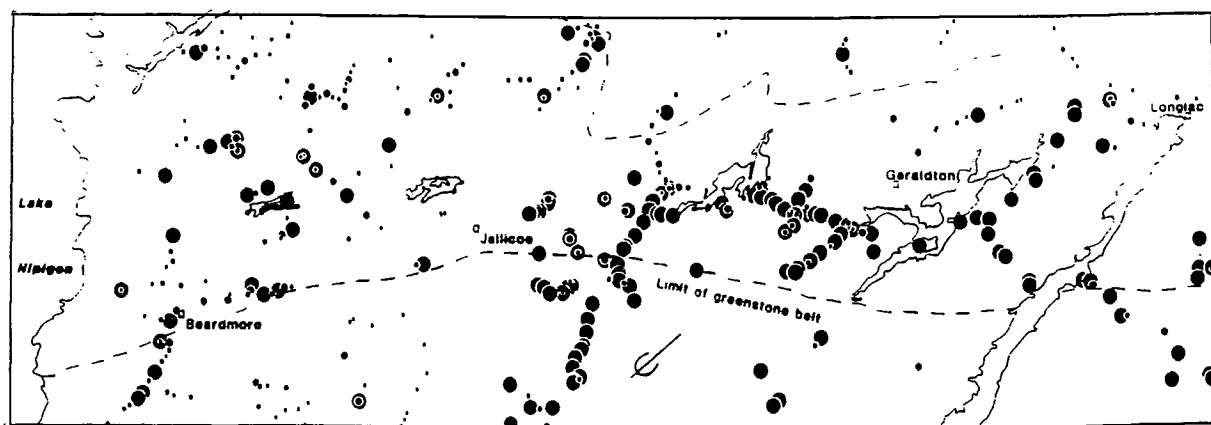
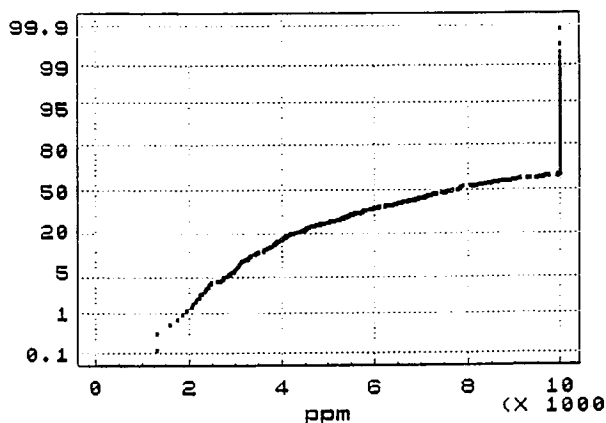
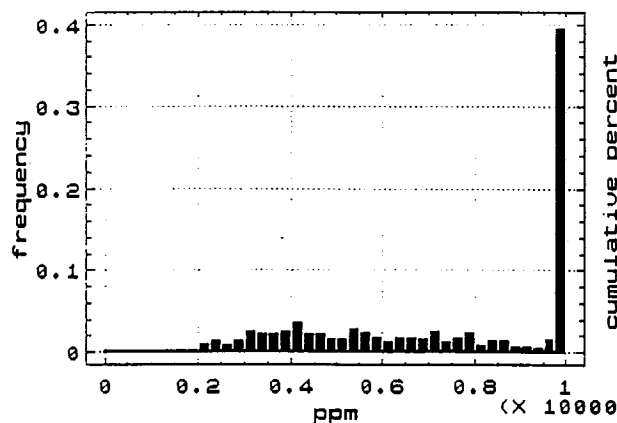


Compositional Analysis of C Horizon Till Samples

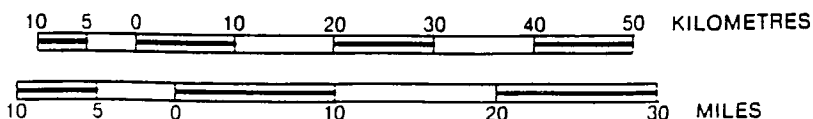
Variable: Phosphorous
Fraction: <0.002mm

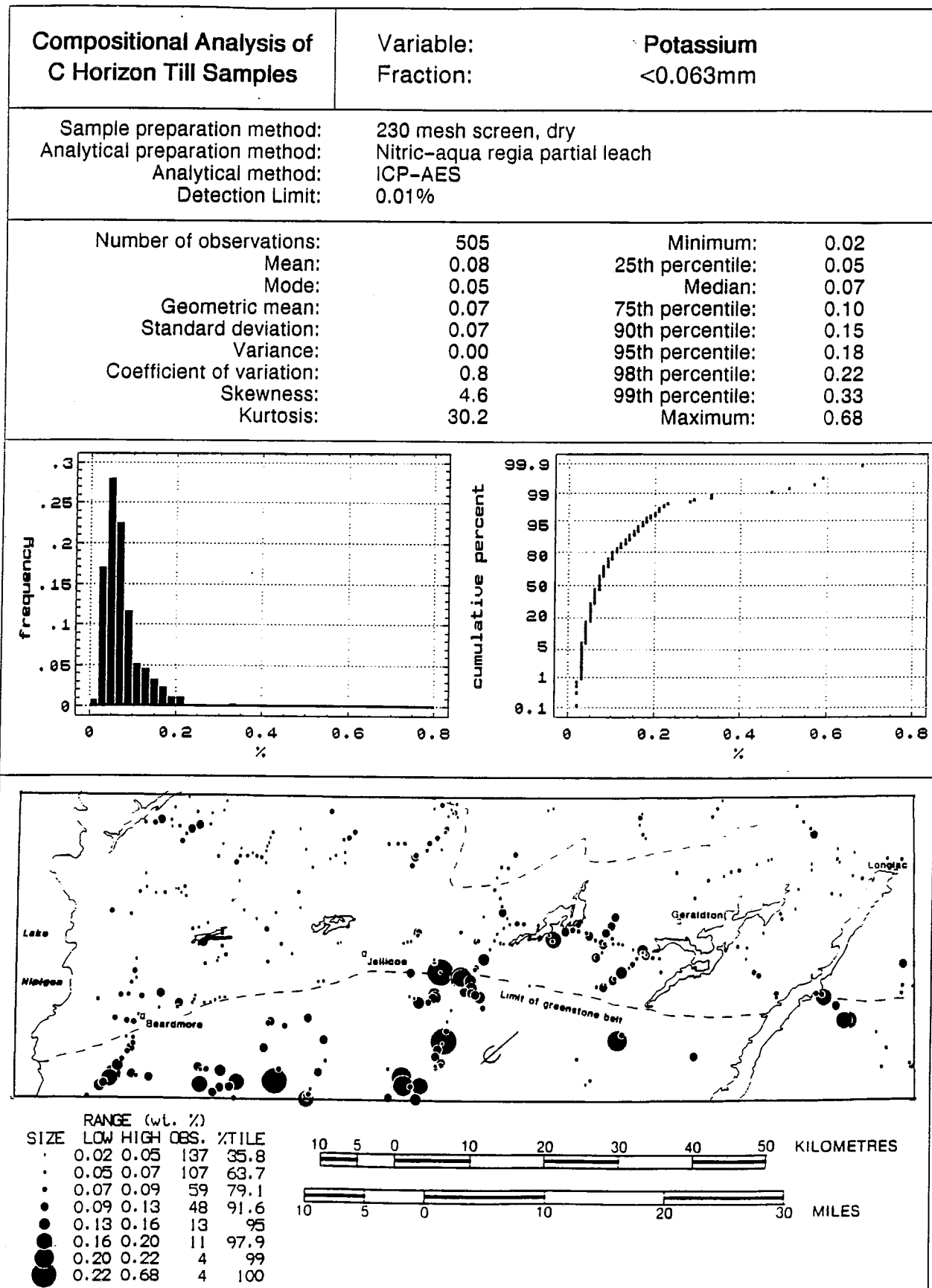
Sample preparation method: Centrifugation in 5 g/l sodium metaphosphate
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 10 ppm – 10,000 ppm

Number of observations:	505	Minimum:	1290
Mean:	7283	25th percentile:	4730
Mode:	10000	Median:	7790
Geometric mean:	6643	75th percentile:	10000
Standard deviation:	2726	90th percentile:	10000
Variance:	7430210	95th percentile:	10000
Coefficient of variation:	0.4	98th percentile:	10000
Skewness:	-0.4	99th percentile:	10000
Kurtosis:	-1.3	Maximum:	10000



	RANGE (ppm)			
SIZE	LOW	HIGH	OBS.	%TILE
•	1290	4640	96	25.1
•	4640	7540	82	46.5
•	7540	9940	44	58
•	9940	10000	161	100





Compositional Analysis of C Horizon Till Samples

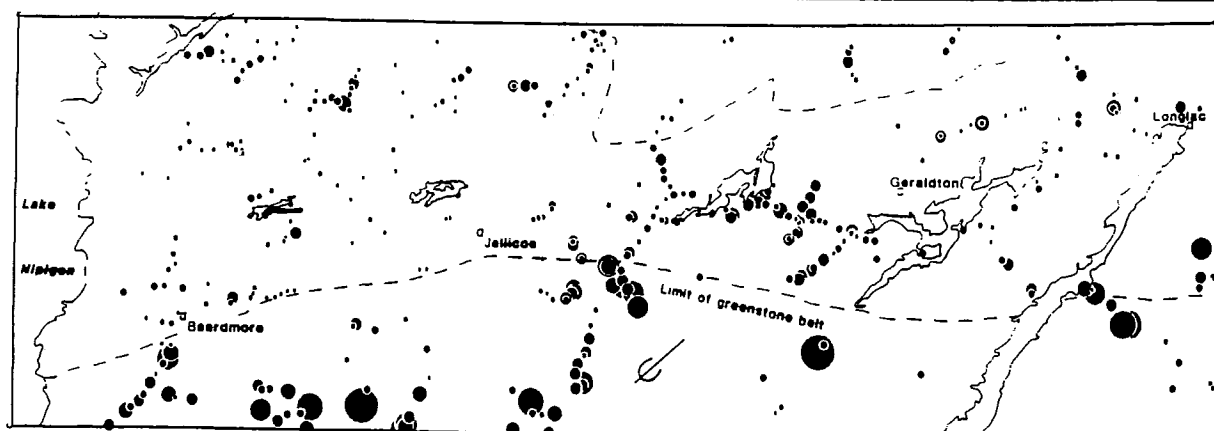
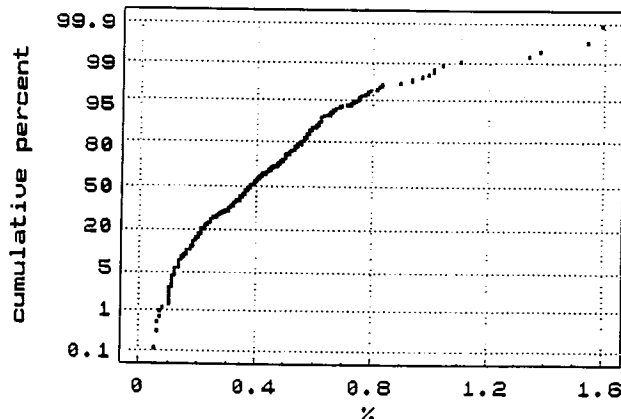
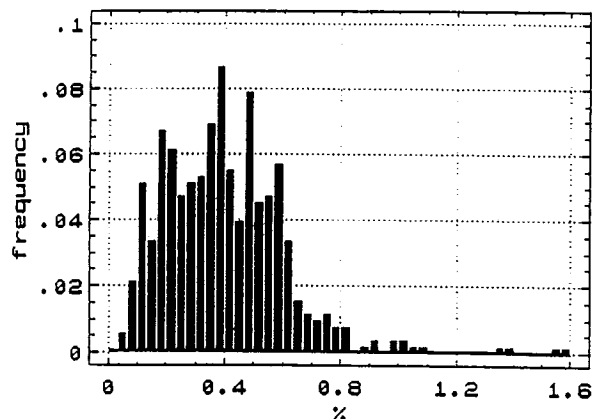
Variable:
Fraction:

Potassium
<0.002mm

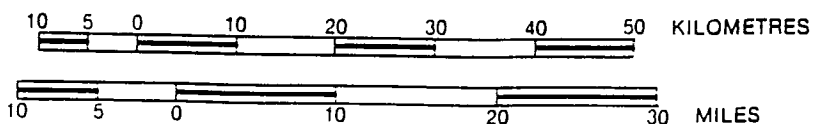
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

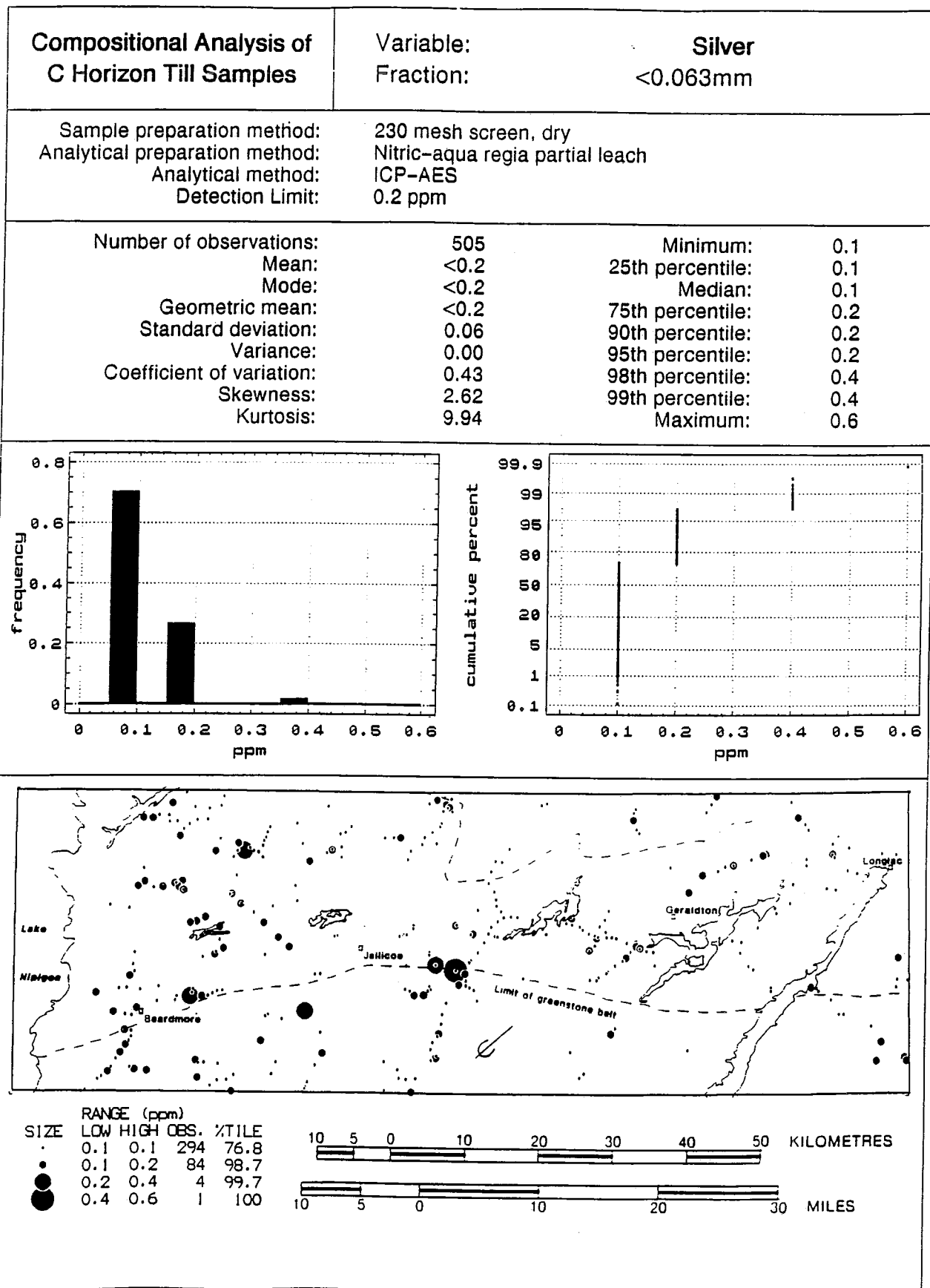
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
0.01%

Number of observations:	505	Minimum:	0.05
Mean:	0.40	25th percentile:	0.24
Mode:	0.50	Median:	0.38
Geometric mean:	0.35	75th percentile:	0.52
Standard deviation:	0.21	90th percentile:	0.62
Variance:	0.05	95th percentile:	0.75
Coefficient of variation:	0.5	98th percentile:	0.93
Skewness:	1.4	99th percentile:	1.04
Kurtosis:	4.6	Maximum:	1.59



SIZE	RANGE (wt. %)		OBS.	%TILE
•	0.05	0.21	96	25.1
•	0.21	0.36	105	52.5
•	0.36	0.48	87	75.2
•	0.48	0.59	58	90.3
•	0.59	0.66	19	95.3
•	0.66	0.76	10	97.9
•	0.76	1.01	5	99.2
•	1.01	1.54	3	100





Compositional Analysis of C Horizon Till Samples

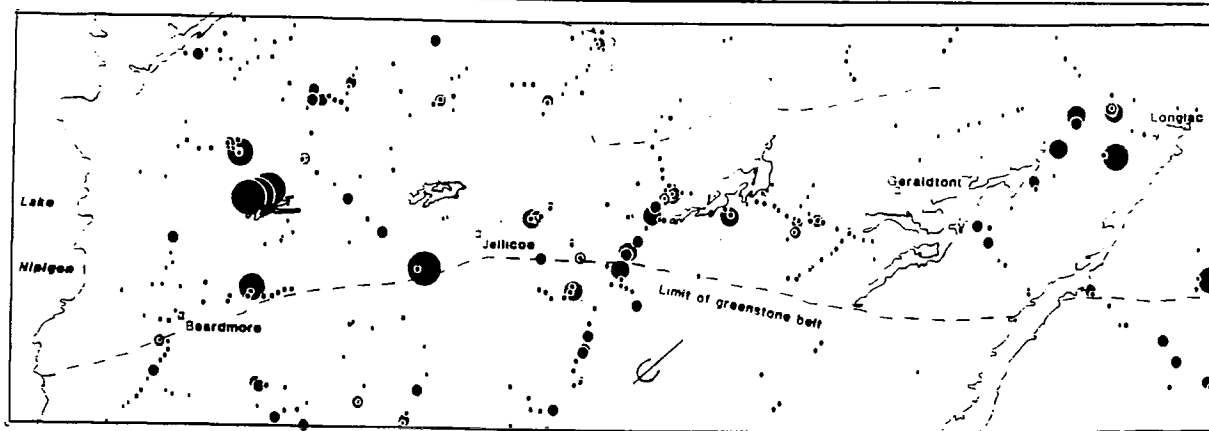
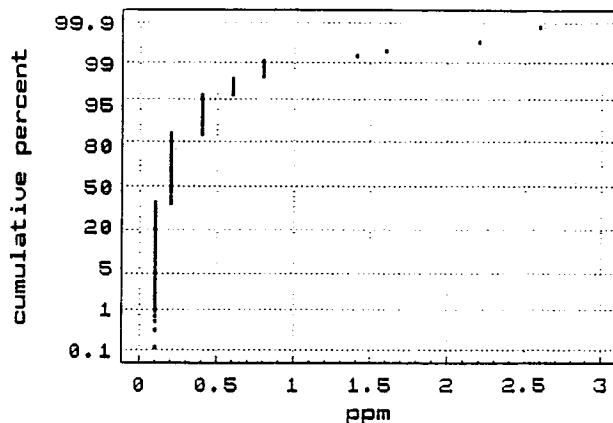
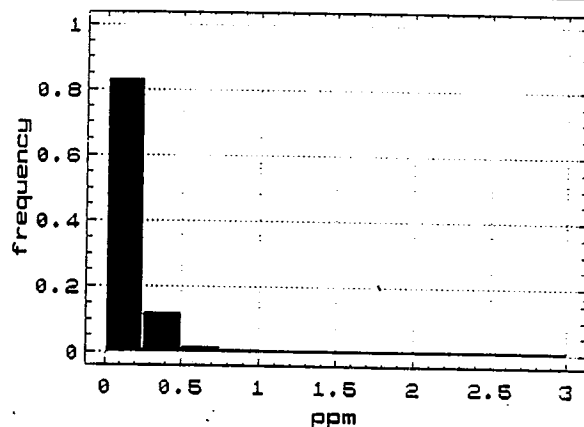
Variable:
Fraction:

Silver
<0.002mm

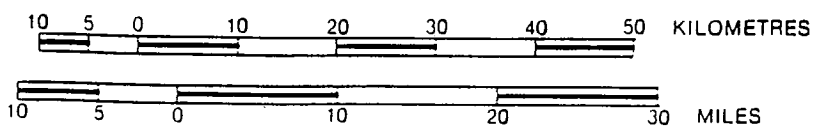
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
0.2 ppm

Number of observations:	505	Minimum:	0.1
Mean:	0.22	25th percentile:	0.1
Mode:	0.20	Median:	0.2
Geometric mean:	<0.2	75th percentile:	0.2
Standard deviation:	0.21	90th percentile:	0.4
Variance:	0.04	95th percentile:	0.4
Coefficient of variation:	1.0	98th percentile:	0.6
Skewness:	6.3	99th percentile:	0.8
Kurtosis:	58.1	Maximum:	2.6



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0.1	0.1	136	35.5
•	0.1	0.2	178	82
•	0.2	0.4	50	95
•	0.4	0.6	10	97.7
•	0.6	0.8	5	99
•	0.8	2.6	4	100



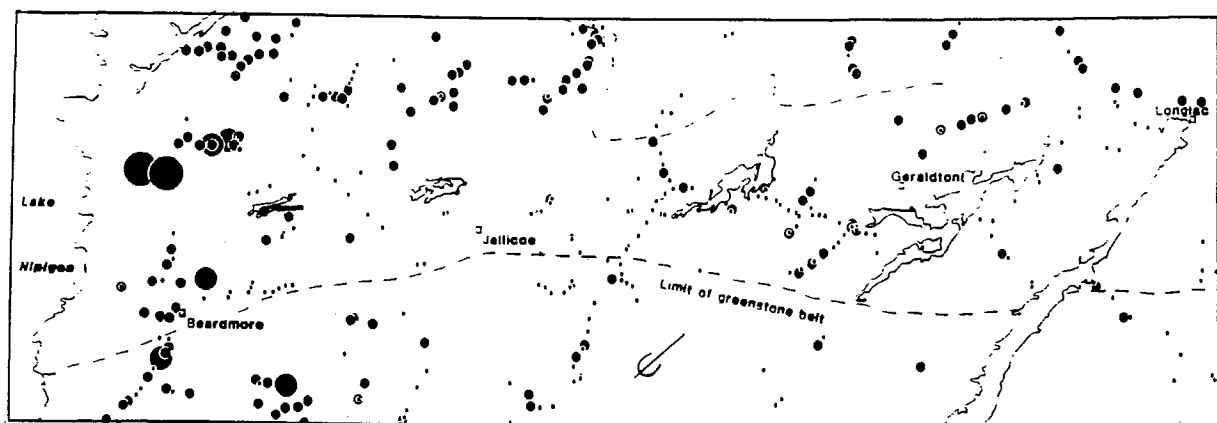
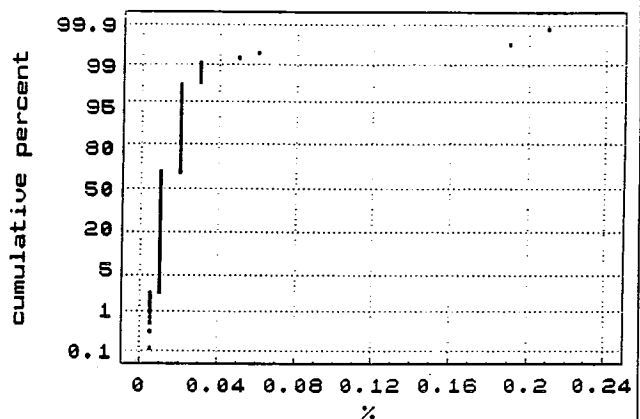
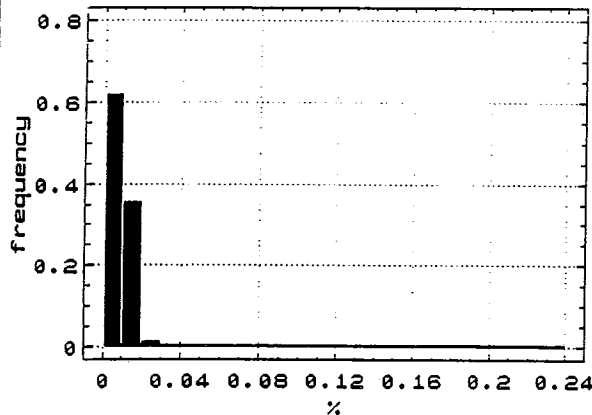
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

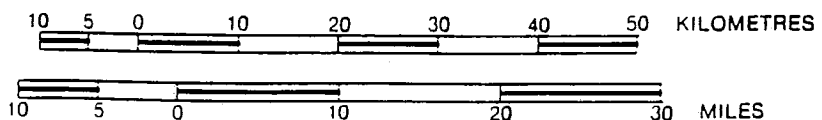
Sodium
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 0.01%

Number of observations:	505	Minimum:	0.005
Mean:	0.02	25th percentile:	0.01
Mode:	0.01	Median:	0.01
Geometric mean:	0.01	75th percentile:	0.02
Standard deviation:	0.01	90th percentile:	0.02
Variance:	0.00	95th percentile:	0.02
Coefficient of variation:	0.9	98th percentile:	0.03
Skewness:	11.4	99th percentile:	0.03
Kurtosis:	159.6	Maximum:	0.21



RANGE (w.t. %)				
SIZE	LOW	HIGH	OBS.	%TILE
•	0.01	0.01	237	61.9
•	0.01	0.02	138	97.9
•	0.02	0.06	6	99.5
•	0.06	0.21	2	100



Compositional Analysis of C Horizon Till Samples

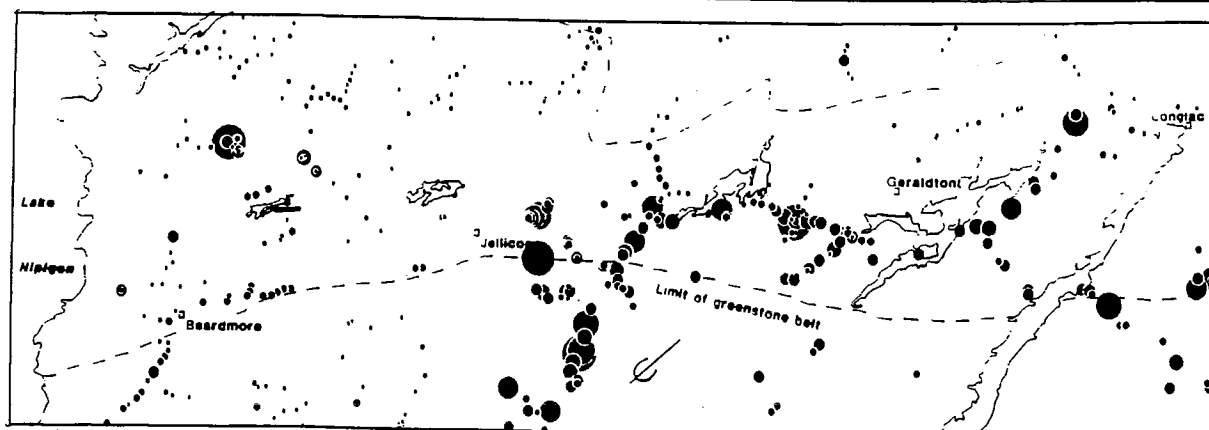
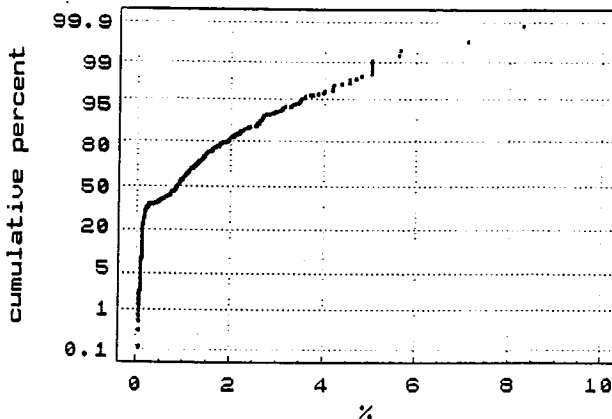
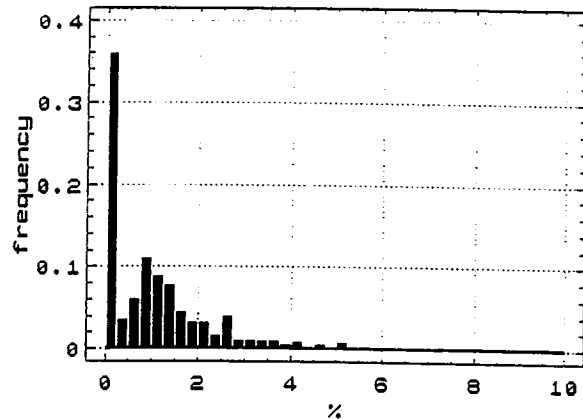
Variable:
Fraction:

Sodium
<0.002mm

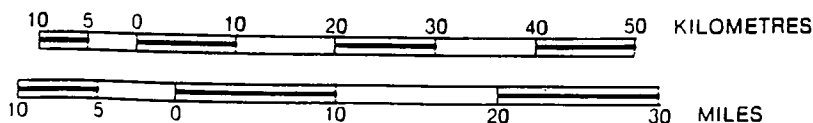
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
0.01%

Number of observations:	505	Minimum:	0.03
Mean:	1.13	25th percentile:	0.13
Mode:	0.10	Median:	0.84
Geometric mean:	0.55	75th percentile:	1.59
Standard deviation:	1.21	90th percentile:	2.68
Variance:	1.47	95th percentile:	3.52
Coefficient of variation:	1.1	98th percentile:	4.67
Skewness:	1.8	99th percentile:	5.01
Kurtosis:	4.4	Maximum:	8.28



RANGE (wt. %)			
SIZE	LOW	HIGH	OBS. %TILE
•	0.03	0.11	109 28.5
•	0.11	0.71	83 50.1
•	0.71	1.75	96 75.2
•	1.75	2.84	57 90.1
•	2.84	3.71	19 95
•	3.71	4.78	10 97.7
•	4.78	5.01	5 99
•	5.01	8.28	4 100



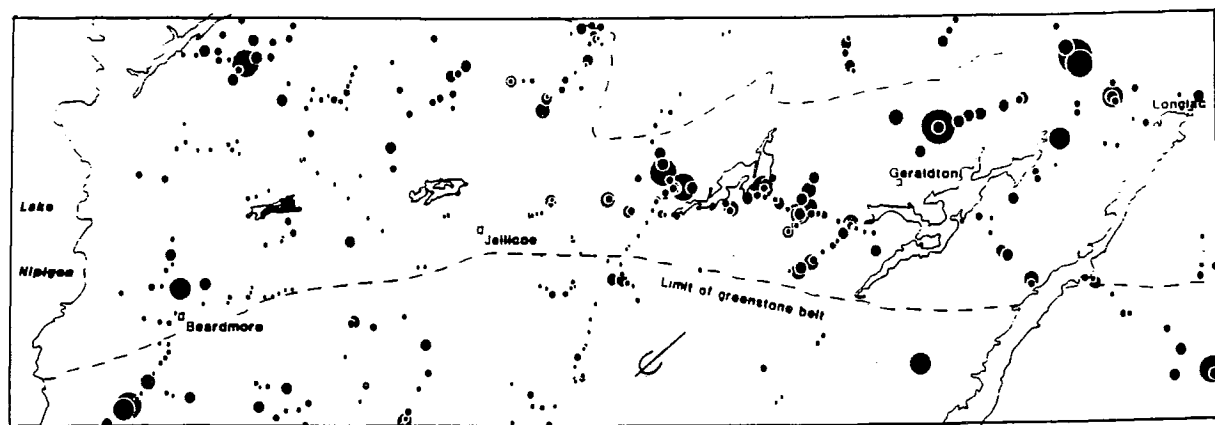
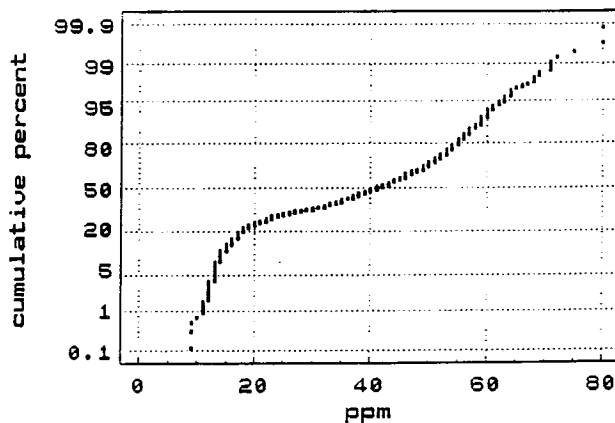
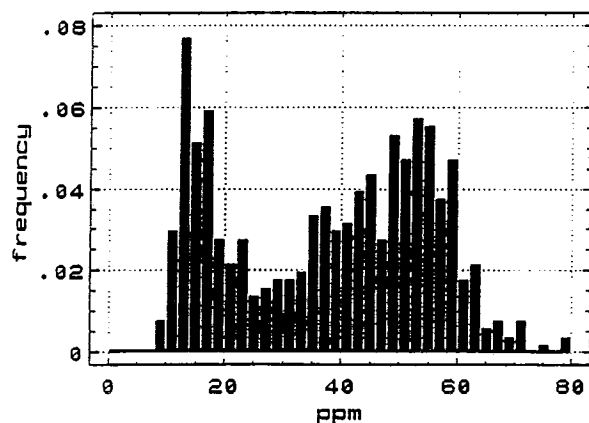
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

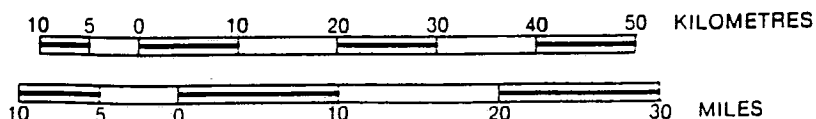
Strontium
<0.063mm

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 1 ppm

Number of observations:	505	Minimum:	9
Mean:	39	25th percentile:	20
Mode:	13	Median:	41
Geometric mean:	34	75th percentile:	53
Standard deviation:	17	90th percentile:	59
Variance:	300	95th percentile:	63
Coefficient of variation:	0.5	98th percentile:	68
Skewness:	-0.1	99th percentile:	71
Kurtosis:	-1.2	Maximum:	80



RANGE (ppm)				
SIZE	LOW	HIGH	OBS.	%TILE
•	9	17	96	25.1
•	17	35	97	50.4
•	35	50	97	75.7
•	50	57	61	91.6
•	57	59	17	96.1
•	59	61	7	97.9
•	61	63	6	99.5
•	63	64	2	100



Compositional Analysis of C Horizon Till Samples

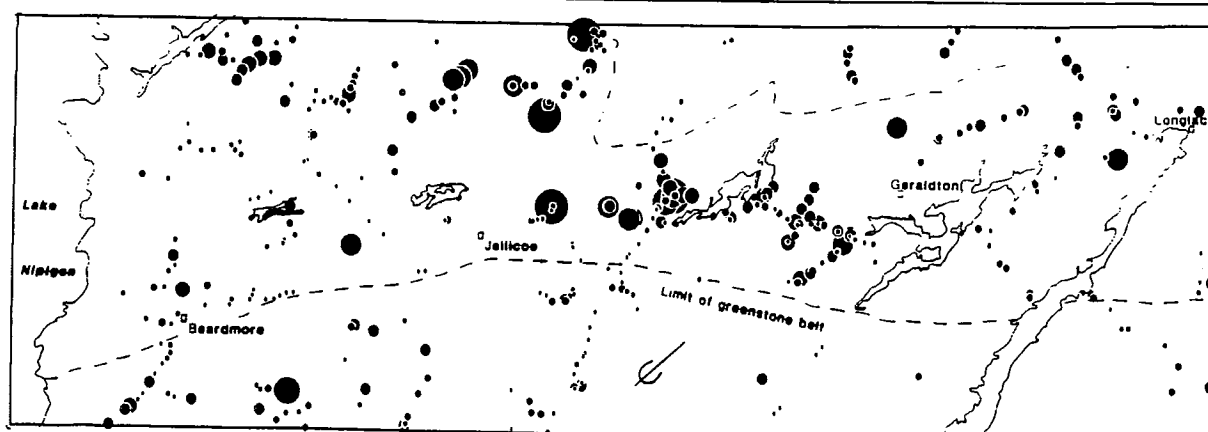
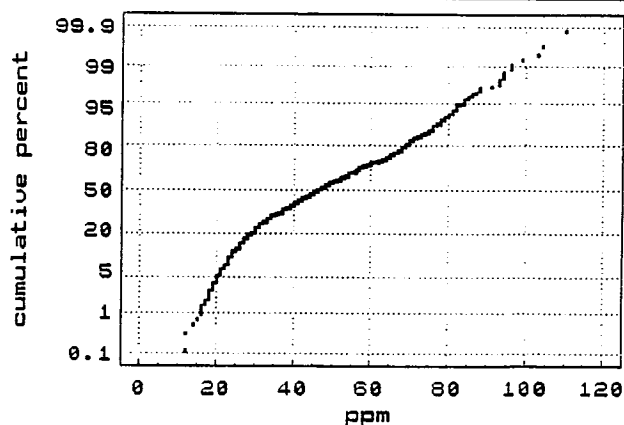
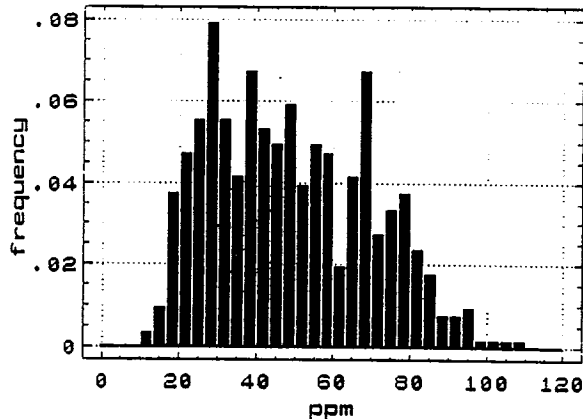
Variable:
Fraction:

Strontium
<0.002mm

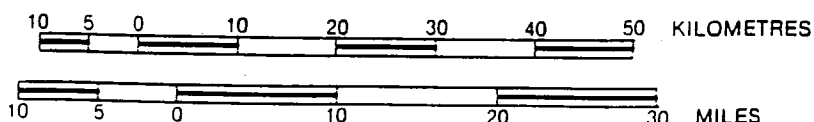
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

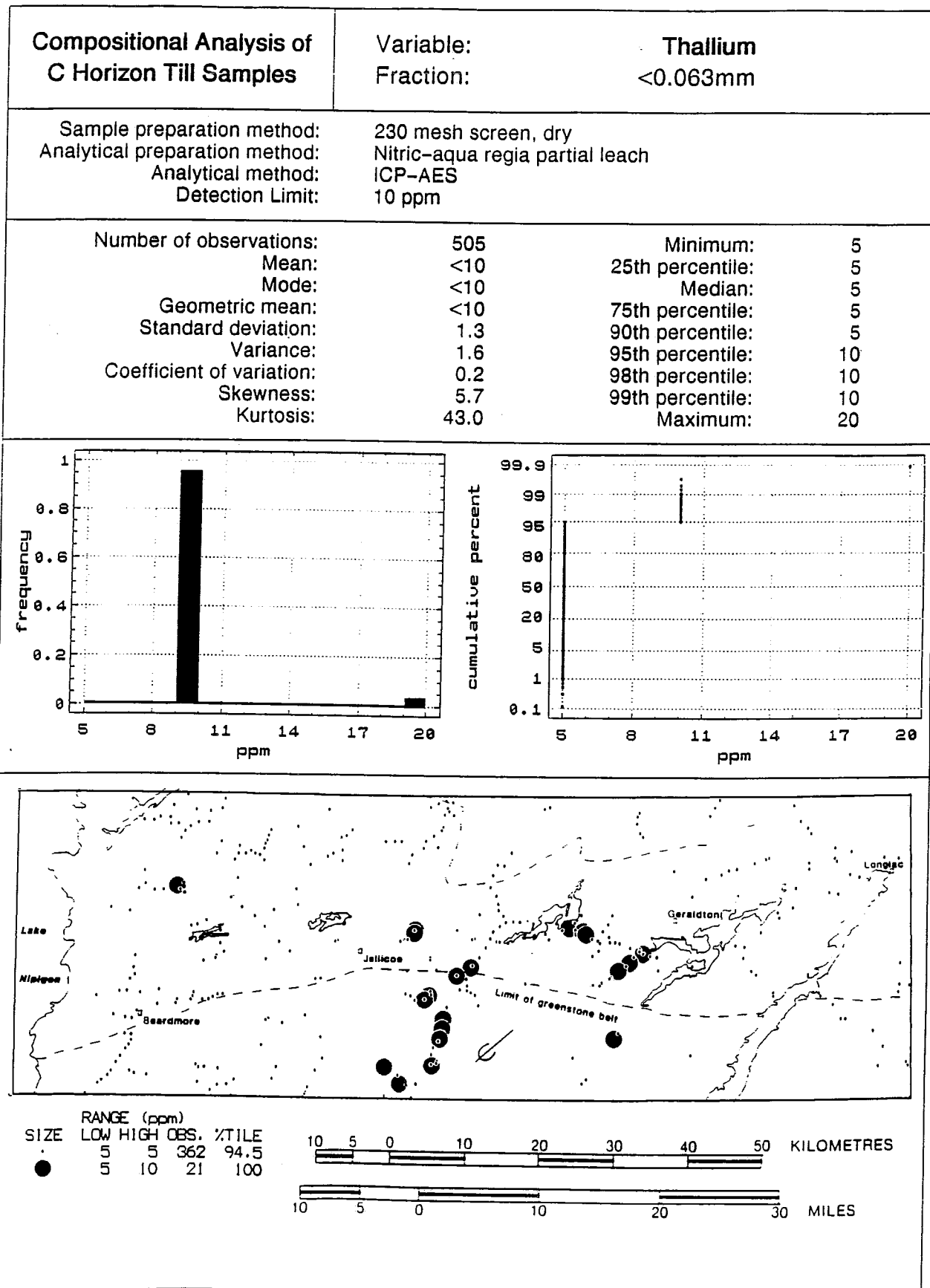
Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
1 ppm

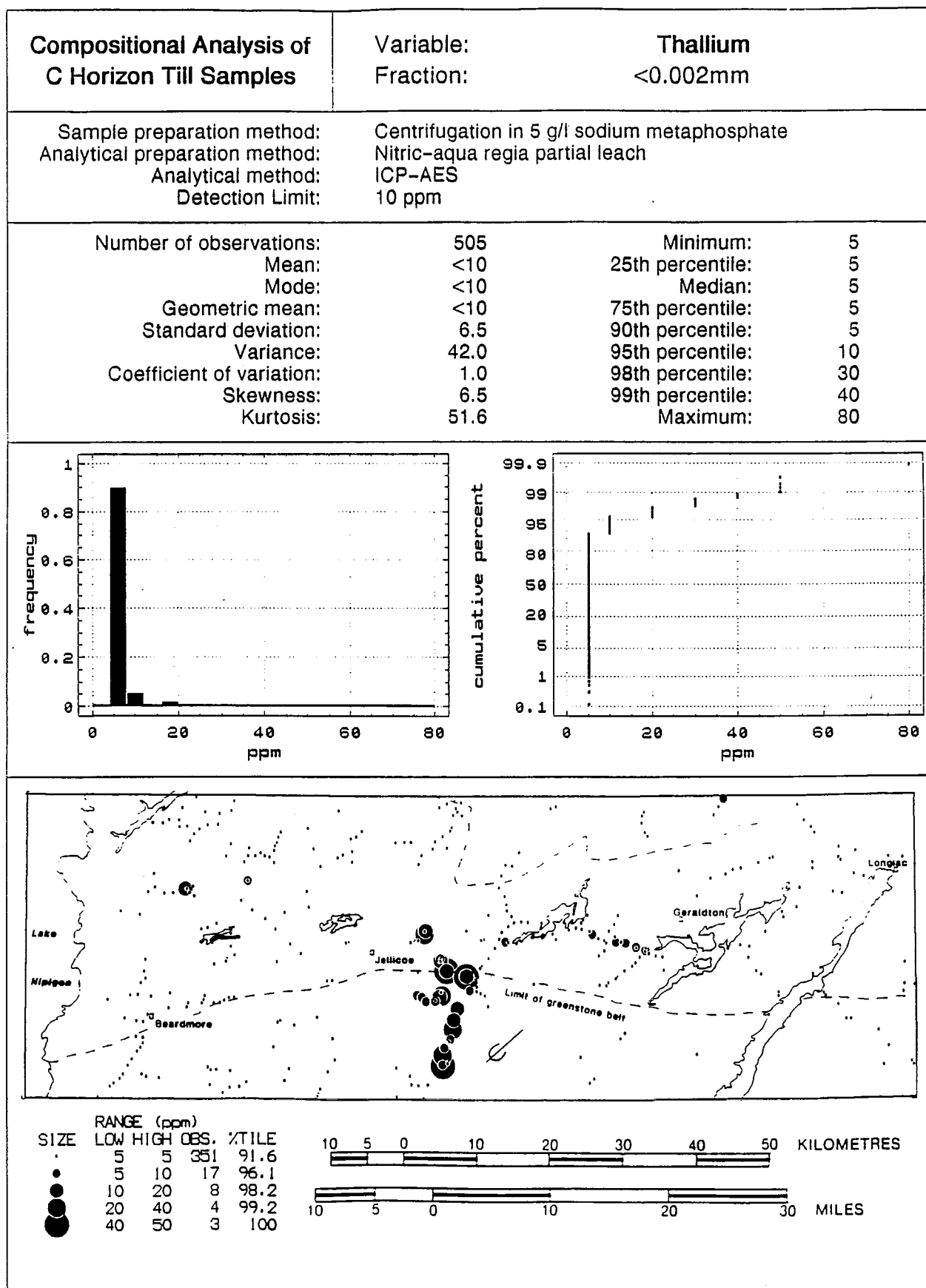
Number of observations:	505	Minimum:	12
Mean:	49	25th percentile:	31
Mode:	30	Median:	46
Geometric mean:	45	75th percentile:	66
Standard deviation:	21	90th percentile:	78
Variance:	424	95th percentile:	84
Coefficient of variation:	0.4	98th percentile:	93
Skewness:	0.4	99th percentile:	96
Kurtosis:	-0.7	Maximum:	110



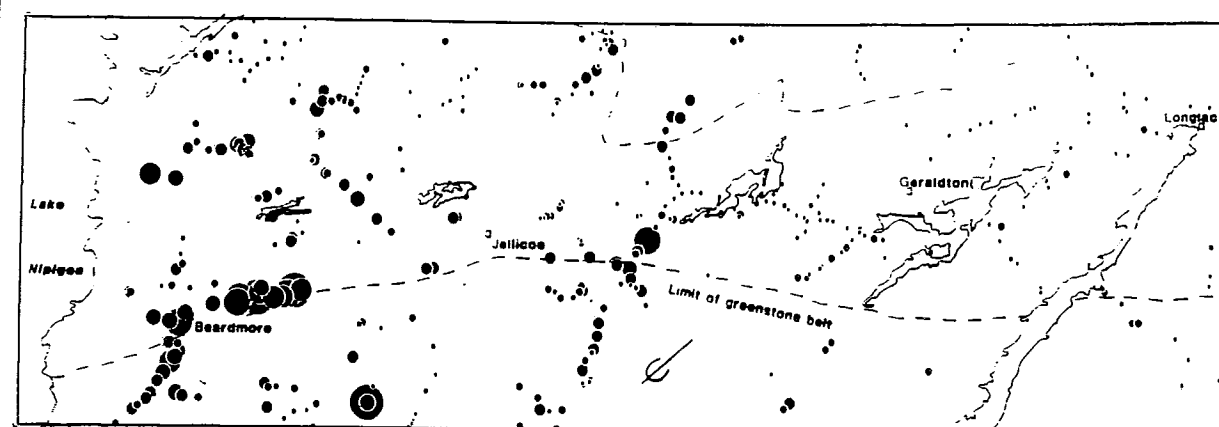
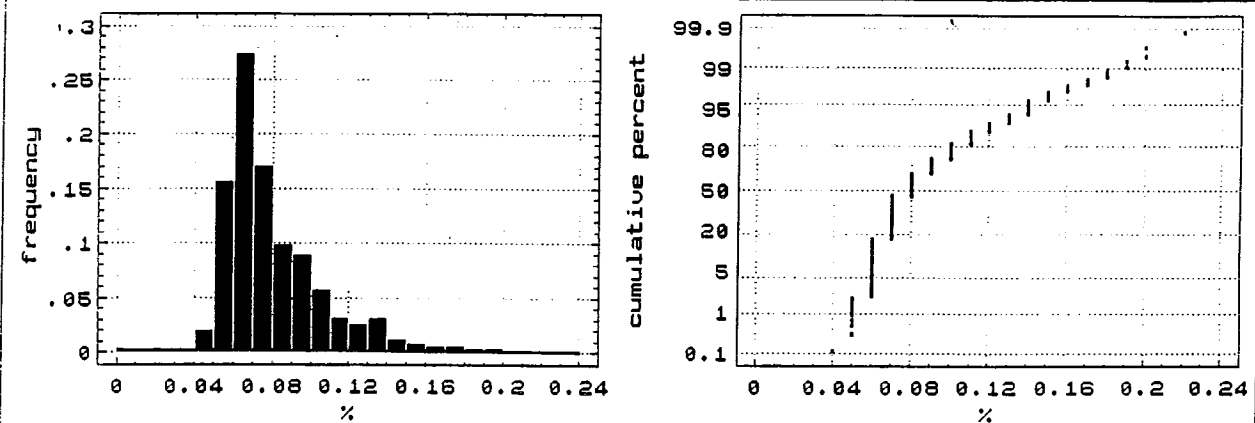
SIZE	RANGE (ppm)			%TILE
	LOW	HIGH	OBS.	
•	12	29	95	24.8
•	29	42	102	51.4
•	42	60	93	75.7
•	60	76	56	90.3
•	76	82	19	95.3
•	82	93	12	98.4
•	93	94	2	99
•	94	110	4	100



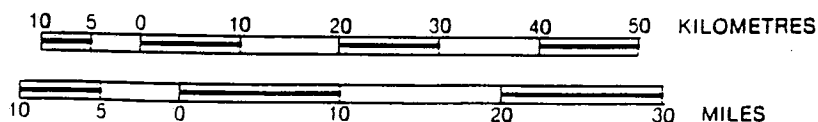


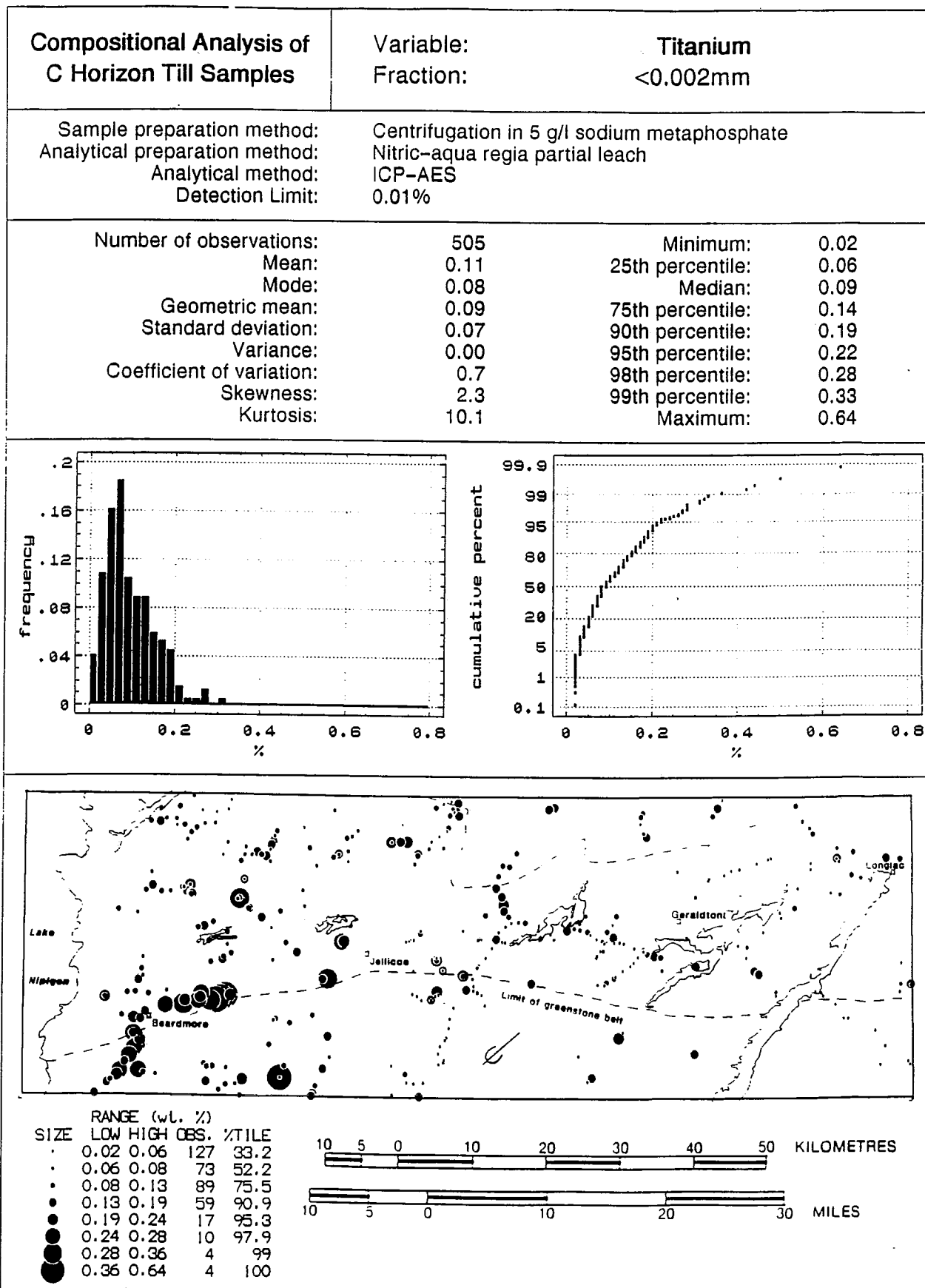


Compositional Analysis of C Horizon Till Samples	Variable: Fraction:	Titanium <0.063mm
Sample preparation method: Analytical preparation method: Analytical method: Detection Limit:	230 mesh screen, dry Nitric-aqua regia partial leach ICP-AES 0.01%	
Number of observations: Mean: Mode: Geometric mean: Standard deviation: Variance: Coefficient of variation: Skewness: Kurtosis:	505 0.09 0.07 0.08 0.03 0.00 0.3 1.6 3.1	Minimum: 25th percentile: Median: 75th percentile: 90th percentile: 95th percentile: 98th percentile: 99th percentile: Maximum:
		0.04 0.07 0.08 0.10 0.12 0.14 0.17 0.18 0.22



SIZE		RANGE (wt. %)		OBS.	%TILE
LOW	HIGH				
•	0.04	0.07	158	41.3	
•	0.07	0.08	55	55.6	
•	0.08	0.10	81	76.8	
•	0.10	0.13	54	90.9	
•	0.13	0.15	21	96.3	
•	0.15	0.17	6	97.9	
•	0.17	0.19	5	99.2	
•	0.19	0.22	3	100	



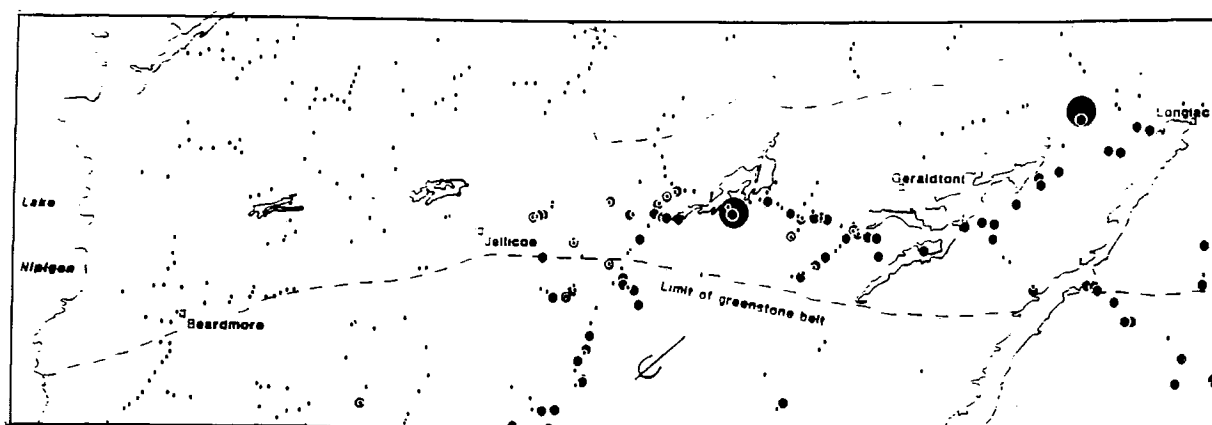
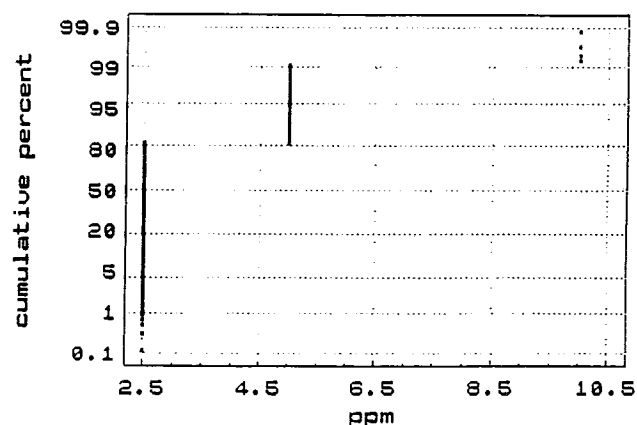
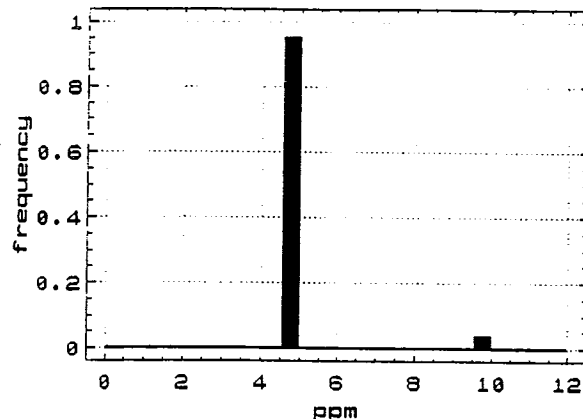


Compositional Analysis of C Horizon Till Samples

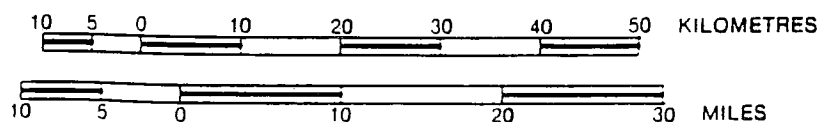
Variable: **Tungsten**
Fraction: **<0.063mm**

Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 5 ppm

Number of observations:	505	Minimum:	3
Mean:	<5	25th percentile:	3
Mode:	<5	Median:	3
Geometric mean:	<5	75th percentile:	3
Standard deviation:	1.1	90th percentile:	5
Variance:	1.3	95th percentile:	5
Coefficient of variation:	0.4	98th percentile:	5
Skewness:	2.7	99th percentile:	5
Kurtosis:	9.9	Maximum:	10



	RANGE (ppm)			
SIZE	LOW	HIGH	OBS.	%TILE
•	3	3	301	78.6
•	3	5	80	99.5
•	5	10	2	100



Compositional Analysis of C Horizon Till Samples

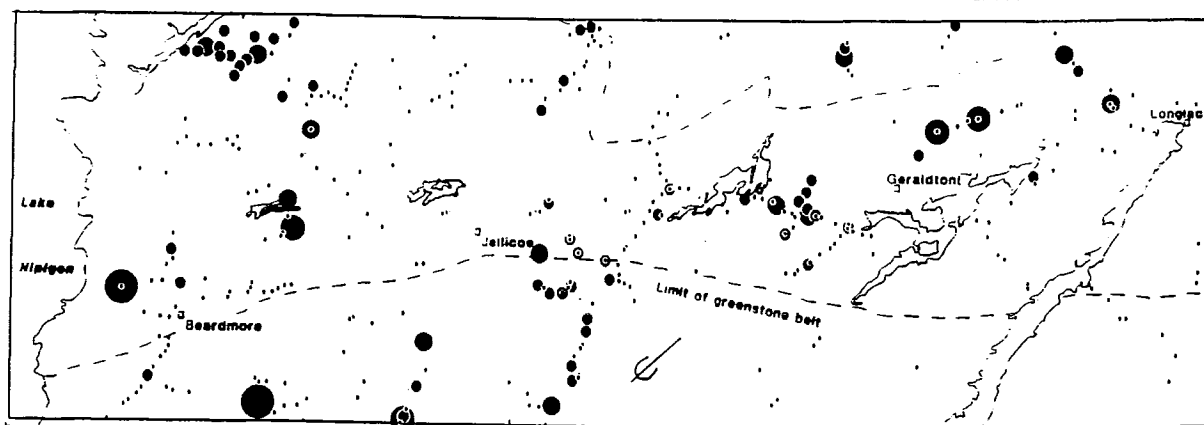
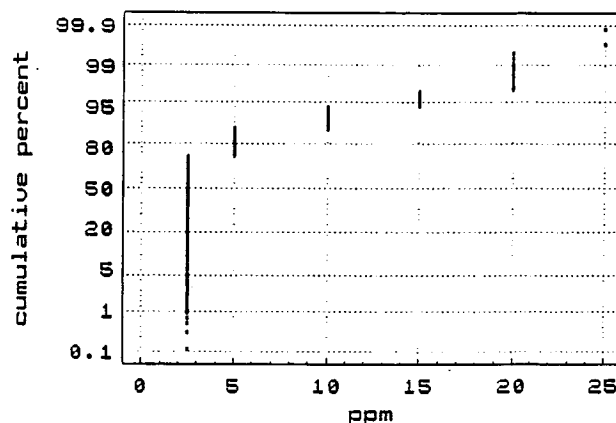
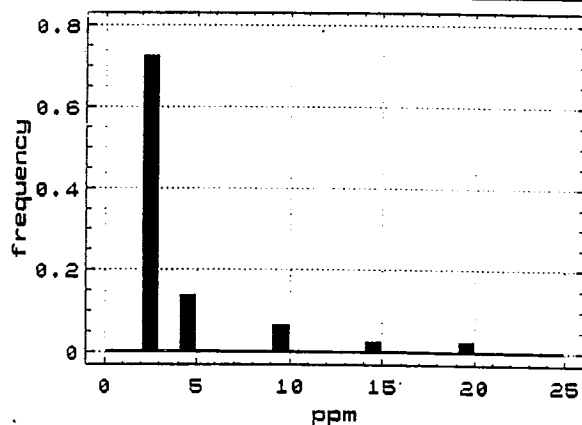
Variable:
Fraction:

Tungsten
<0.002mm

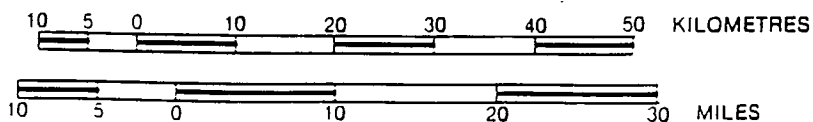
Sample preparation method:
Analytical preparation method:
Analytical method:
Detection Limit:

Centrifugation in 5 g/l sodium metaphosphate
Nitric-aqua regia partial leach
ICP-AES
5 ppm

Number of observations:	505	Minimum:	2.5
Mean:	<5	25th percentile:	2.5
Mode:	<5	Median:	2.5
Geometric mean:	<5	75th percentile:	5
Standard deviation:	4.1	90th percentile:	10
Variance:	16.4	95th percentile:	15
Coefficient of variation:	0.9	98th percentile:	20
Skewness:	2.8	99th percentile:	20
Kurtosis:	7.7	Maximum:	25



	RANGE (ppm)			
SIZE	LOW	HIGH	OBS.	%TILE
●	3	3	311	81.2
●	3	5	54	95.3
●	5	15	12	98.4
●	15	20	4	99.5
●	20	25	2	100



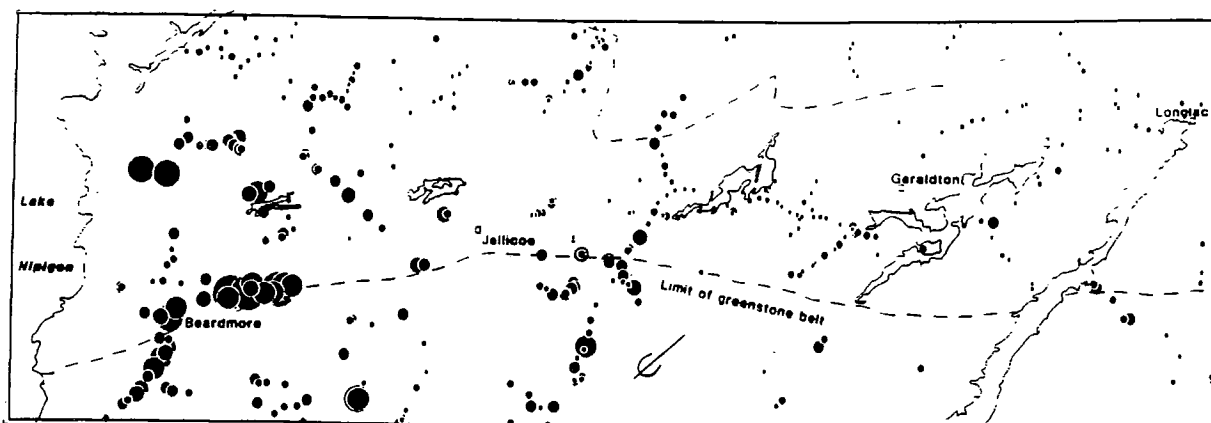
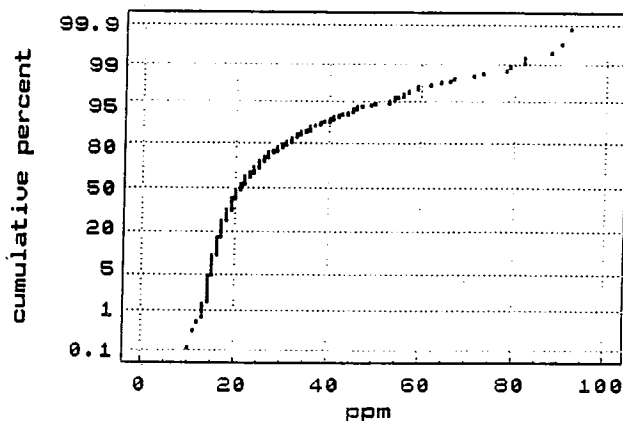
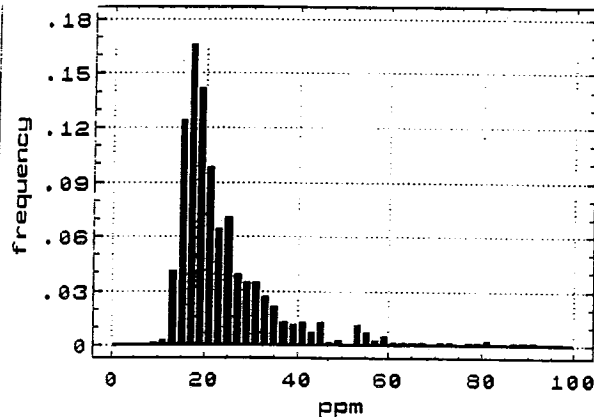
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

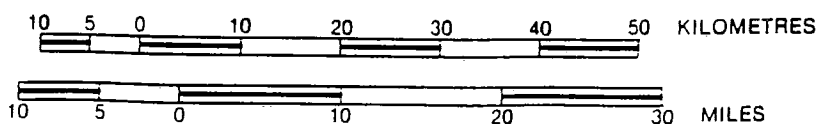
Vanadium
<0.063mm

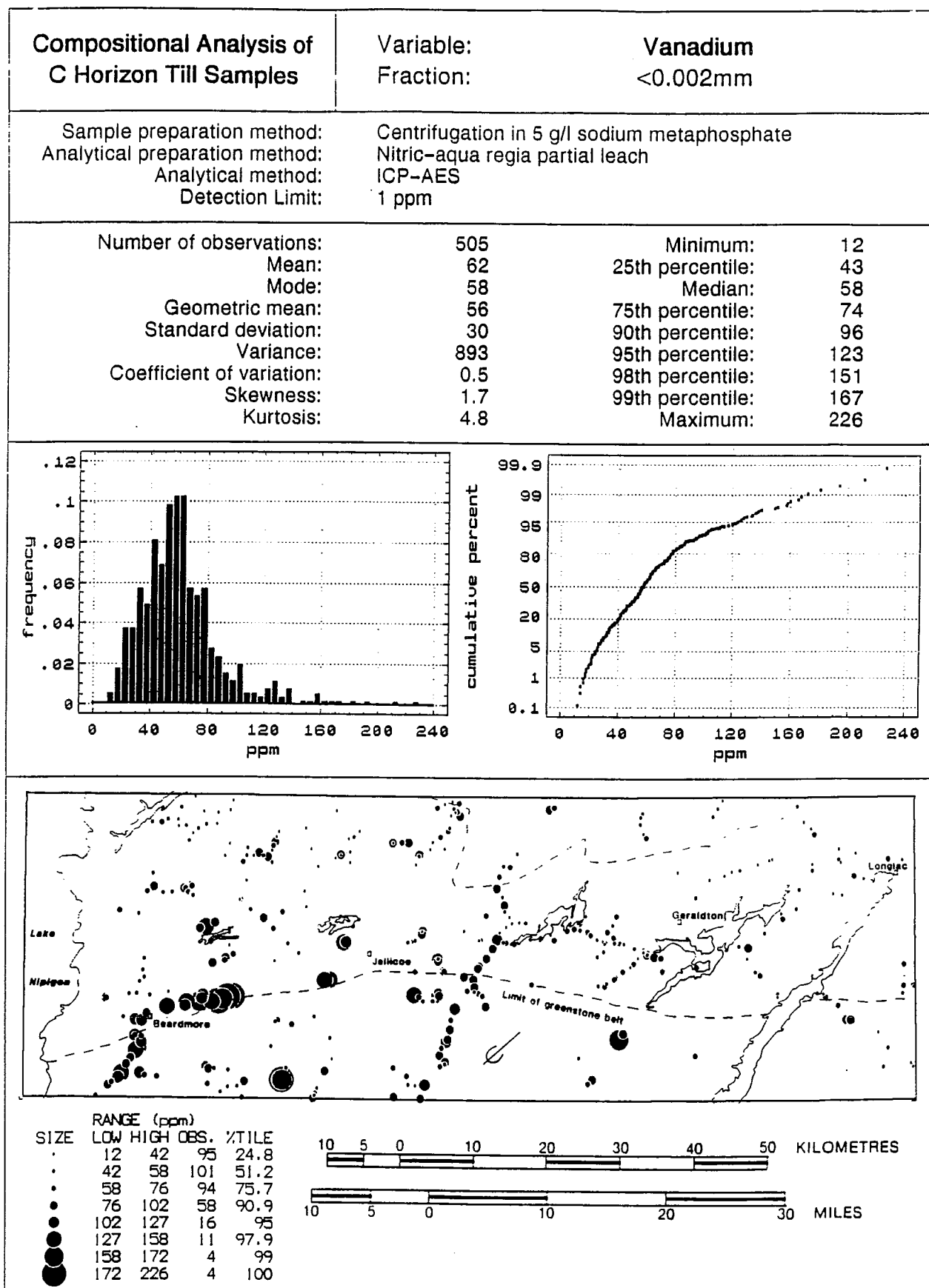
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 1 ppm

Number of observations:	505	Minimum:	10
Mean:	25	25th percentile:	17
Mode:	17	Median:	21
Geometric mean:	23	75th percentile:	28
Standard deviation:	13	90th percentile:	40
Variance:	159	95th percentile:	53
Coefficient of variation:	0.5	98th percentile:	66
Skewness:	2.4	99th percentile:	79
Kurtosis:	7.2	Maximum:	92



SIZE	RANGE (ppm)		LOW	HIGH	OBS.	%TILE
1	11	18	11	18	117	30.5
2	18	22	18	22	83	52.2
3	22	31	22	31	93	76.5
4	31	42	31	42	53	90.3
5	42	55	42	55	18	95
6	55	71	55	71	11	97.9
7	71	82	71	82	5	99.2
8	82	92	82	92	3	100





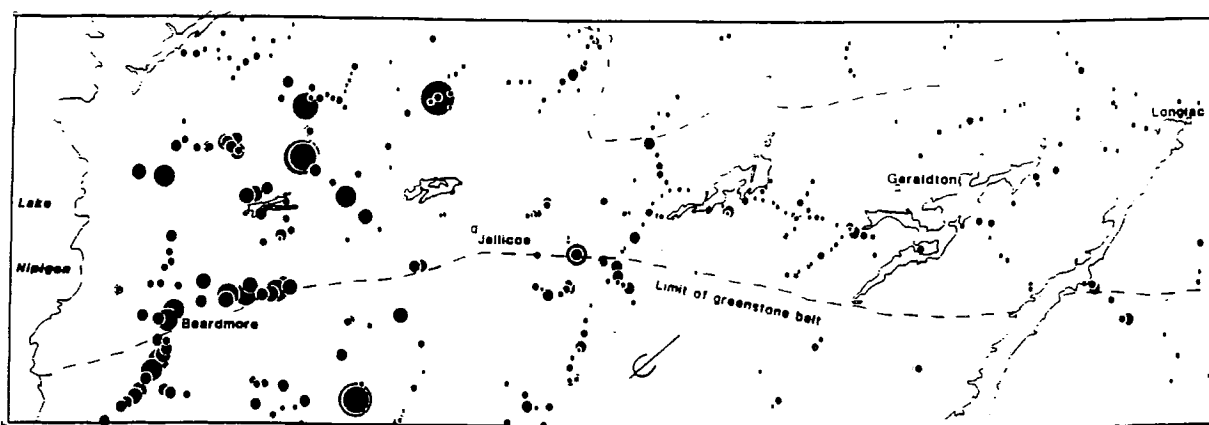
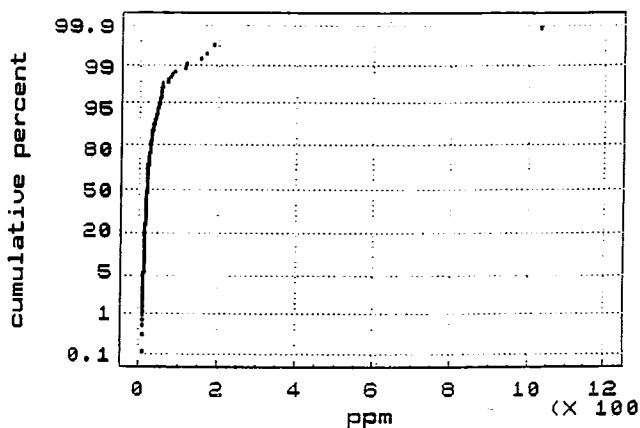
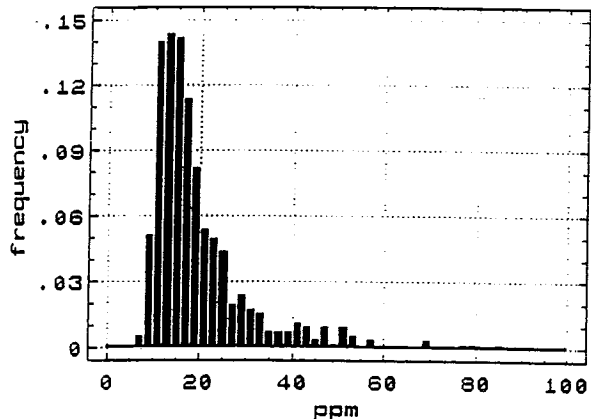
Compositional Analysis of C Horizon Till Samples

Variable:
Fraction:

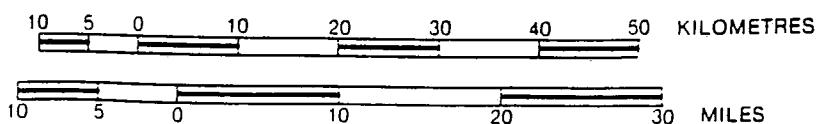
Zinc
<0.063mm

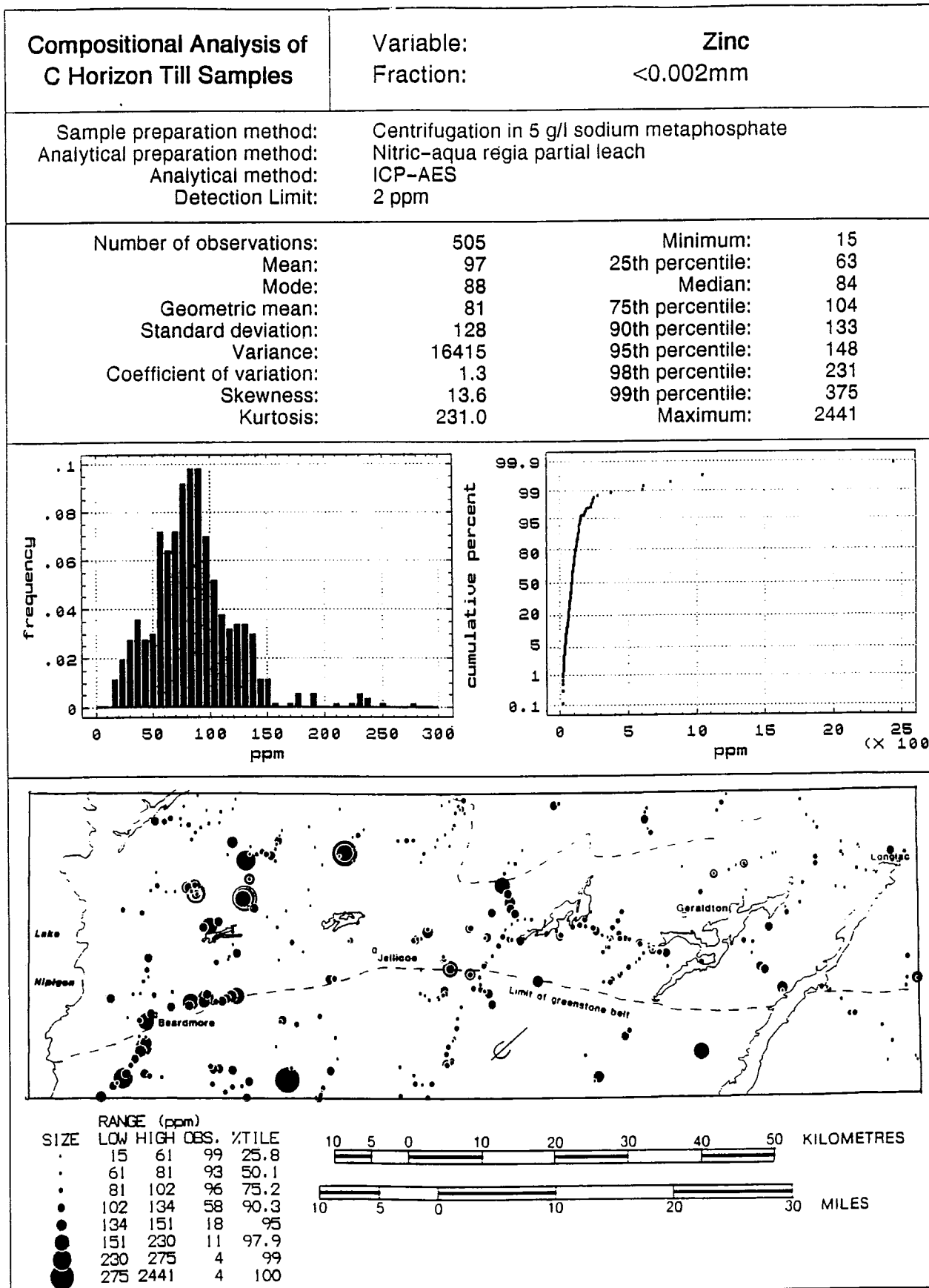
Sample preparation method: 230 mesh screen, dry
Analytical preparation method: Nitric-aqua regia partial leach
Analytical method: ICP-AES
Detection Limit: 2 ppm

Number of observations:	505	Minimum:	8
Mean:	23	25th percentile:	13
Mode:	14	Median:	17
Geometric mean:	19	75th percentile:	23
Standard deviation:	48	90th percentile:	36
Variance:	2302	95th percentile:	47
Coefficient of variation:	2.1	98th percentile:	70
Skewness:	18.7	99th percentile:	111
Kurtosis:	388.0	Maximum:	1031



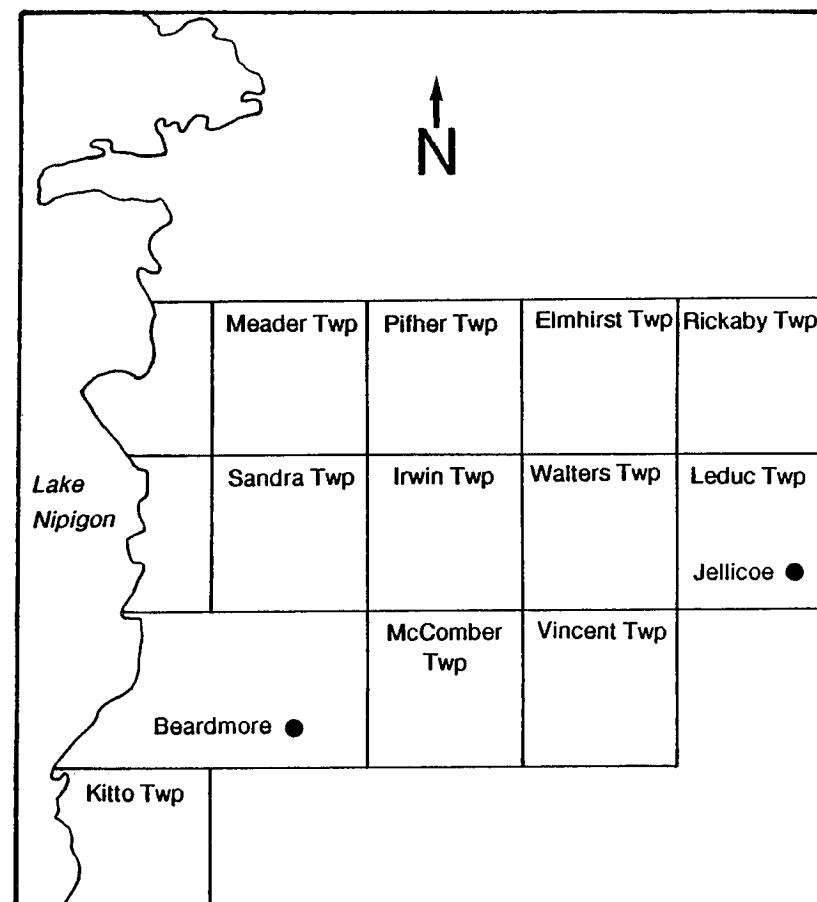
RANGE (ppm)		OBS.	%TILE
SIZE	LOW HIGH		
•	8 13	95	24.8
•	13 17	108	53
•	17 24	91	76.8
•	24 39	52	90.3
•	39 48	18	95
•	48 70	12	98.2
•	70 86	3	99
•	86 1031	4	100



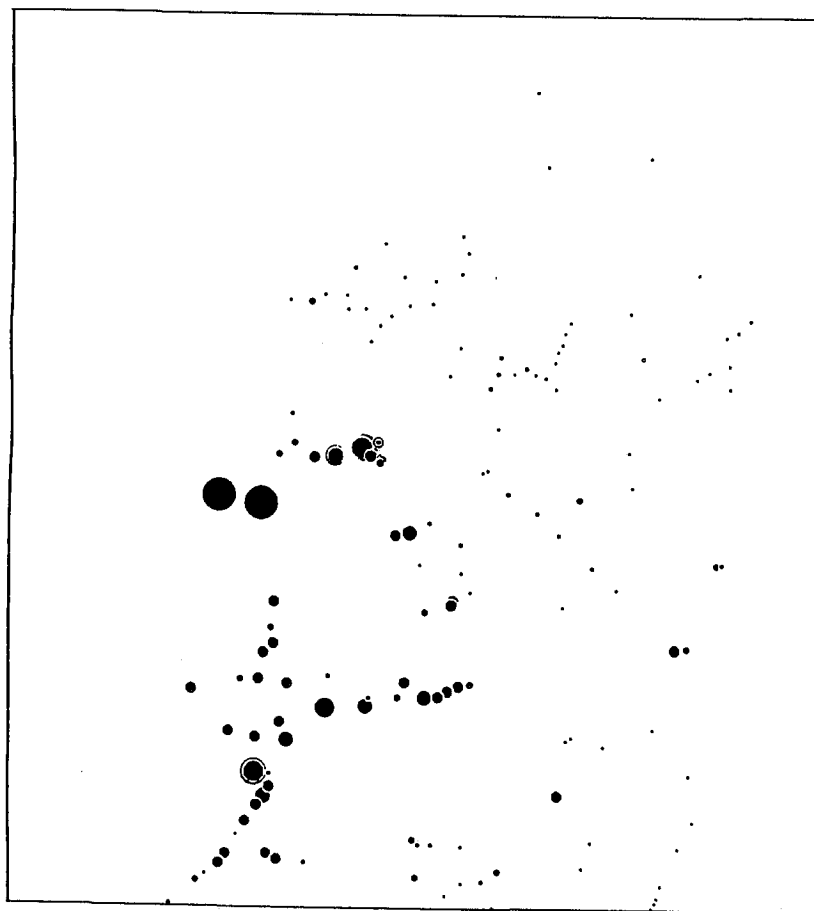


Geochemistry of
magnetic -10 mesh
methylene iodide
heavy mineral
concentrate.

Map area:

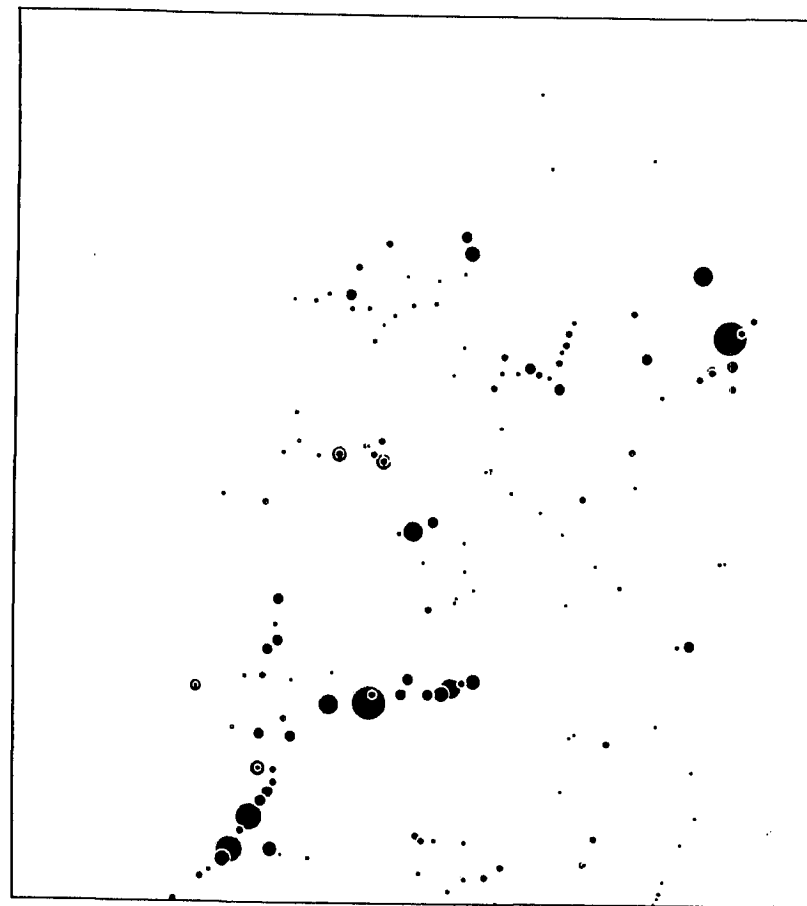


30 km



ALUMINUM IN MAGNETIC H.M.C.

SIZE	RANGE (WL.%)		OBS.	%TILE
	LOW	HIGH		
.	0.4	0.5	69	43.4
.	0.5	0.6	28	61
.	0.6	0.7	18	72.3
.	0.7	1.0	30	91.2
.	1.0	1.3	6	95
.	1.3	1.5	4	97.5
.	1.5	1.7	2	98.7
.	1.7	2	2	100



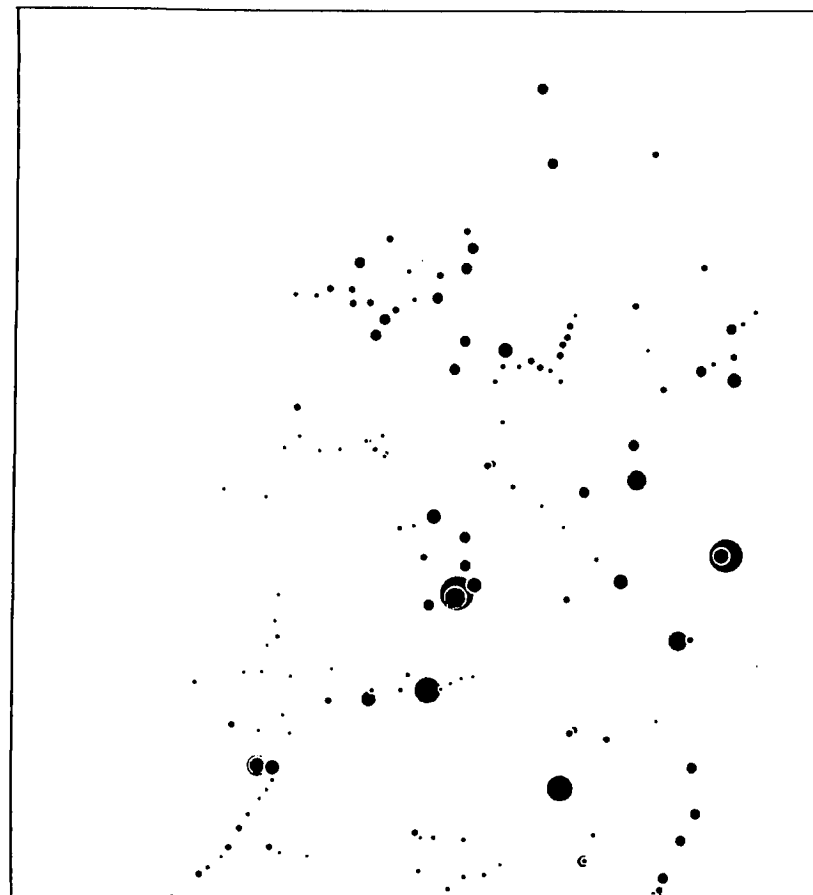
BARIUM IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
.	20	240	43	27
.	240	340	37	50.3
.	340	440	43	77.4
.	440	520	20	89.9
.	520	580	8	95
.	580	620	4	97.5
.	620	680	2	98.7
.	680	780	2	100



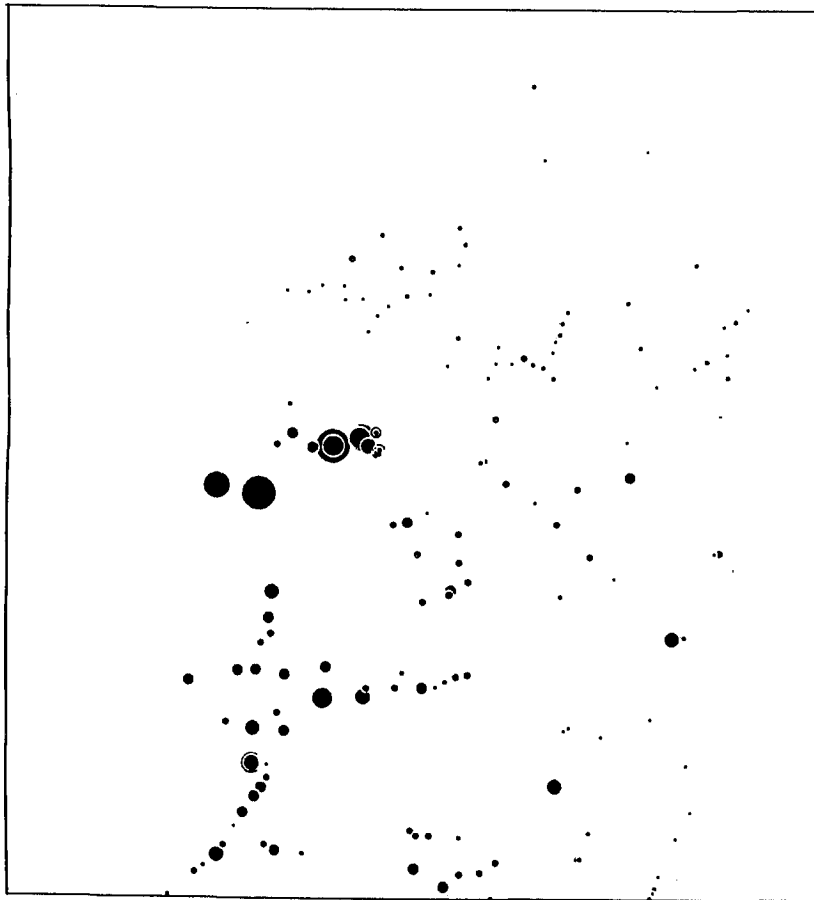
CALCIUM IN MAGNETIC H.M.C.

SIZE	RANGE (WL.%)		OBS.	%TILE
	LOW	HIGH		
•	0.28	0.42	48	30.2
•	0.42	0.49	33	50.9
•	0.49	0.63	38	74.8
•	0.63	0.79	25	90.6
•	0.79	0.91	7	95
•	0.91	0.95	4	97.5
•	0.95	1.04	2	98.7
•	1.04	1.16	2	100



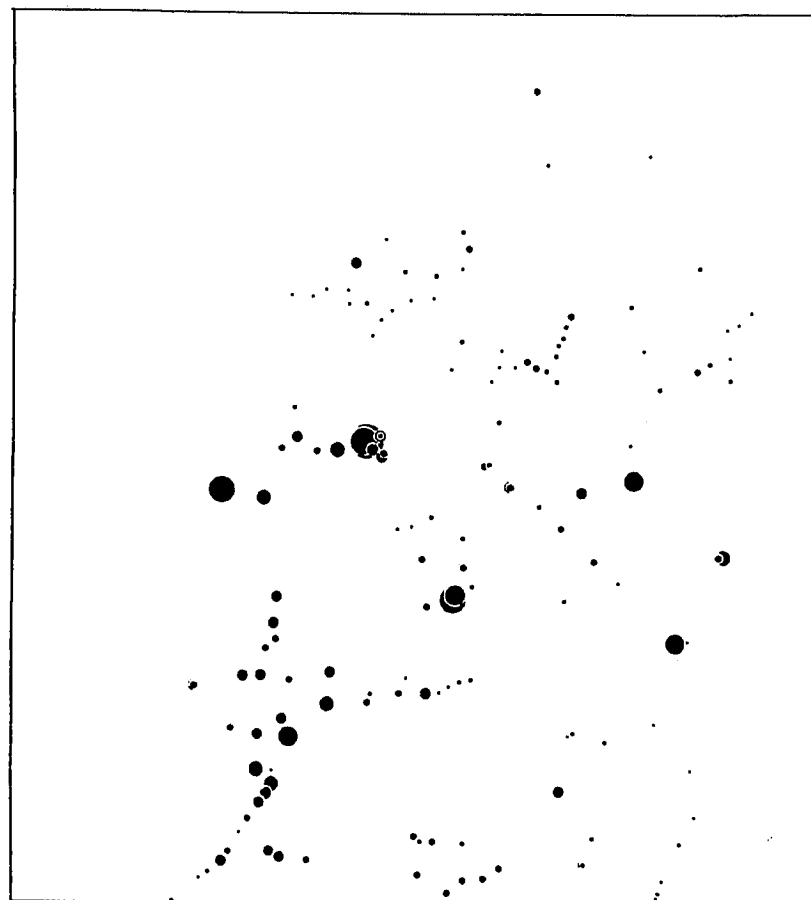
CHROMIUM IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	190	930	42	26.4
•	930	1010	37	49.7
•	1010	1100	40	74.8
•	1100	1220	23	89.3
•	1220	1440	9	95
•	1440	1870	4	97.5
•	1870	1960	2	98.7
•	1960	3850	2	100



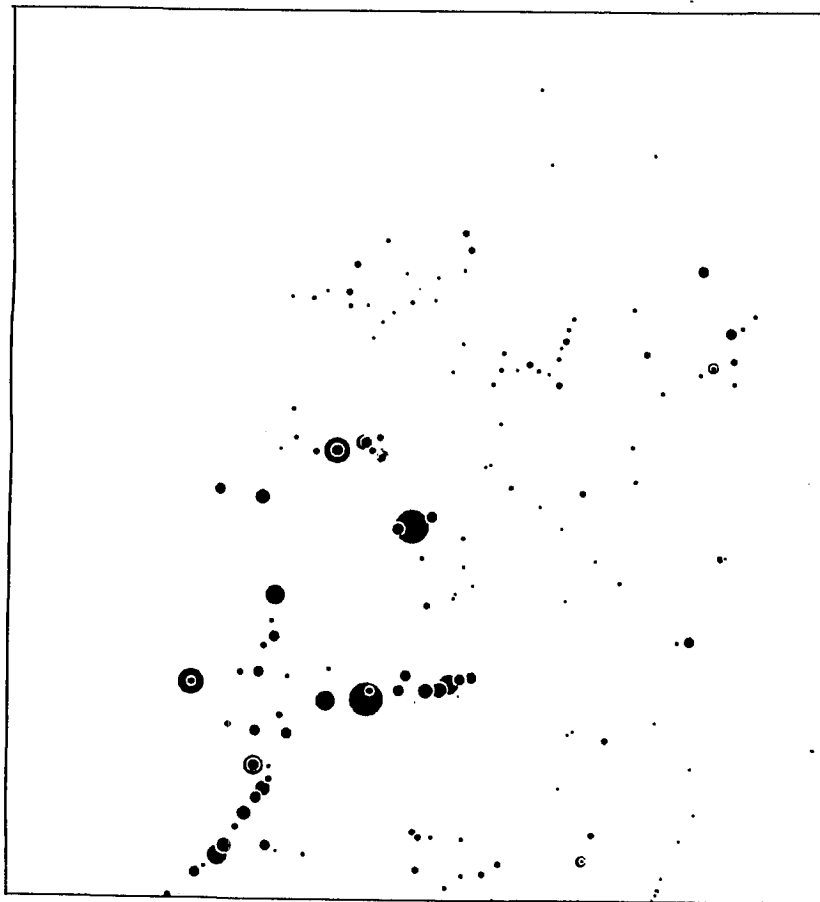
MAGNESIUM IN MAGNETIC H.M.C.

SIZE	RANGE (WL.%)		OBS.	%TILE
	LOW	HIGH		
•	0.13	0.19	42	26.4
•	0.19	0.24	39	50.9
•	0.24	0.36	39	75.5
•	0.36	0.48	23	89.9
•	0.48	0.68	8	95
•	0.68	1.00	4	97.5
•	1.00	1.04	2	98.7
•	1.04	1.13	2	100



MANGANESE IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	770	1020	41	25.8
•	1020	1190	41	51.6
•	1190	1450	37	74.8
•	1450	2210	24	89.9
•	2210	2380	8	95
•	2380	2590	4	97.5
•	2590	2670	3	99.4
•	2670	2910	1	100



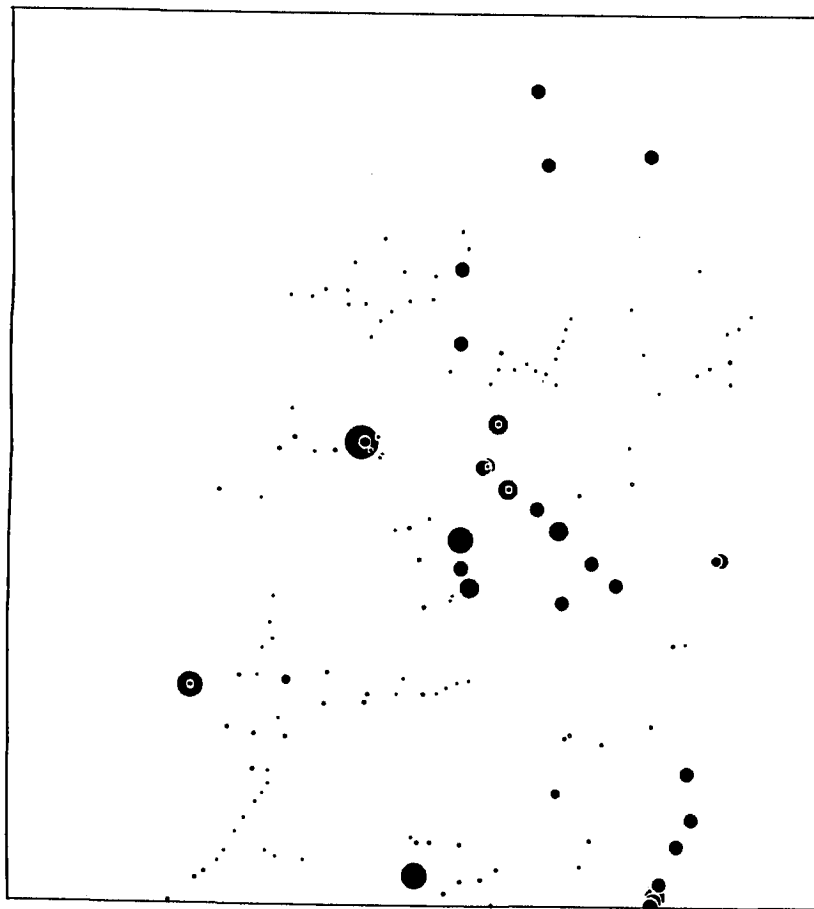
SODIUM IN MAGNETIC H.M.C.

SIZE	RANGE (WL.%)		OBS.	%TILE
	LOW	HIGH		
•	0.02	0.13	44	27.7
•	0.13	0.18	40	52.8
•	0.18	0.25	35	74.8
•	0.25	0.33	24	89.9
•	0.33	0.39	7	94.3
•	0.39	0.41	5	97.5
•	0.41	0.45	2	98.7
•	0.45	0.50	2	100



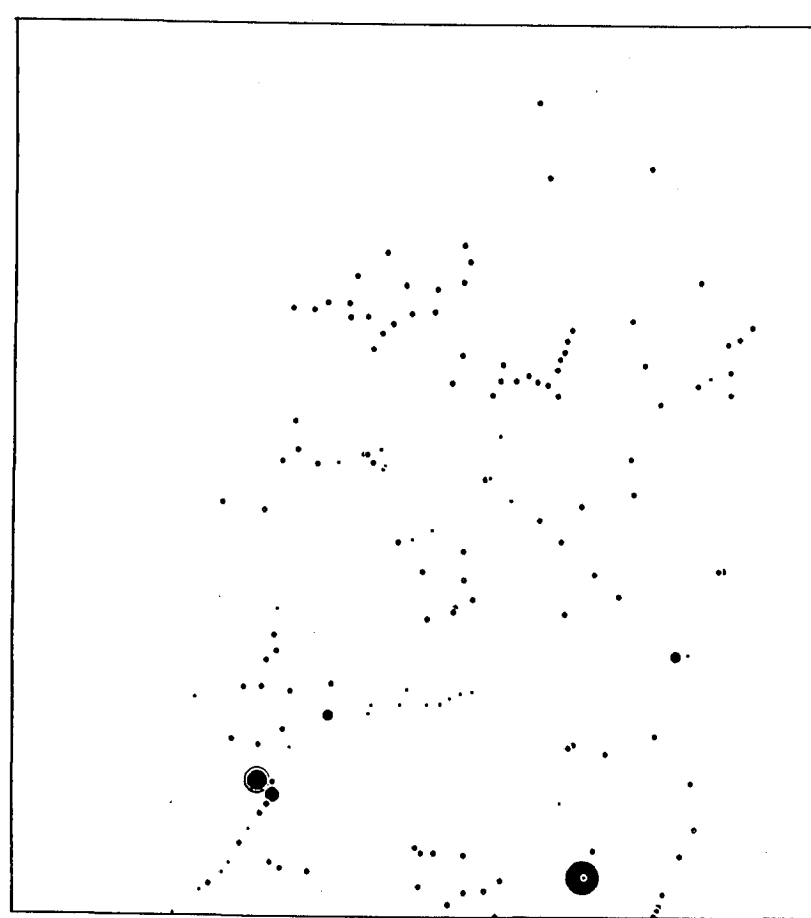
NICKEL IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	35	50	41	25.8
•	50	55	42	52.2
•	55	65	38	76.1
•	65	99	23	90.6
•	99	125	7	95
•	125	206	4	97.5
•	206	306	2	98.7
•	306	389	2	100



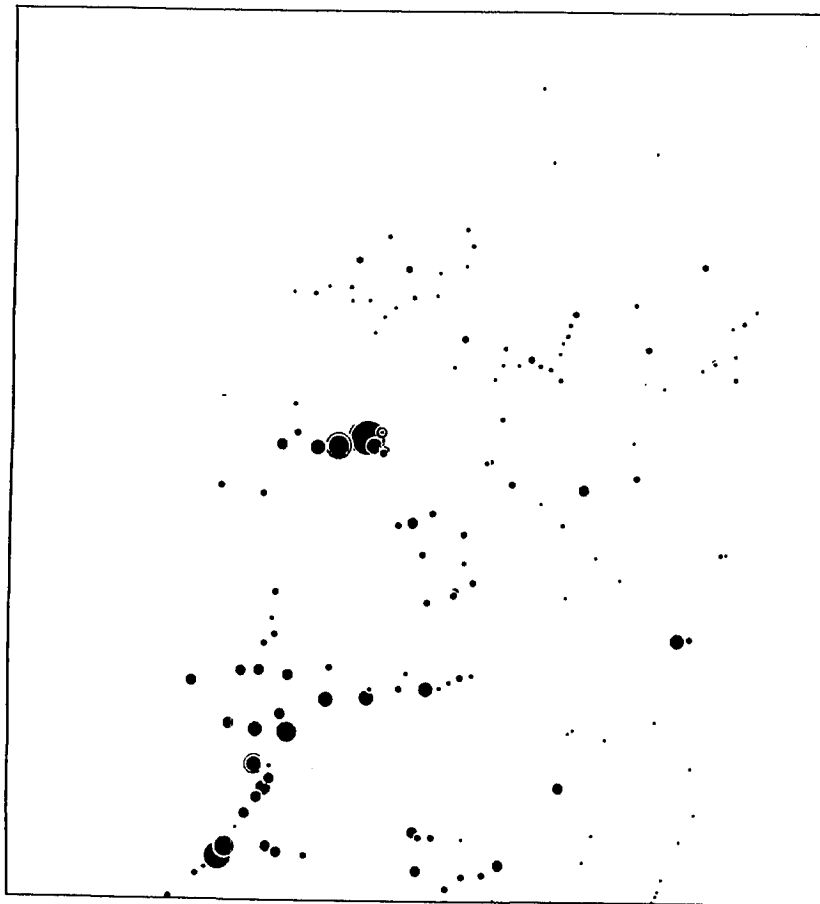
PHOSPHOROUS IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	50	50	80	50.3
•	50	100	47	79.9
•	100	300	4	82.4
•	300	400	19	94.3
•	400	500	5	97.5
•	500	600	3	99.4
•	600	700	1	100



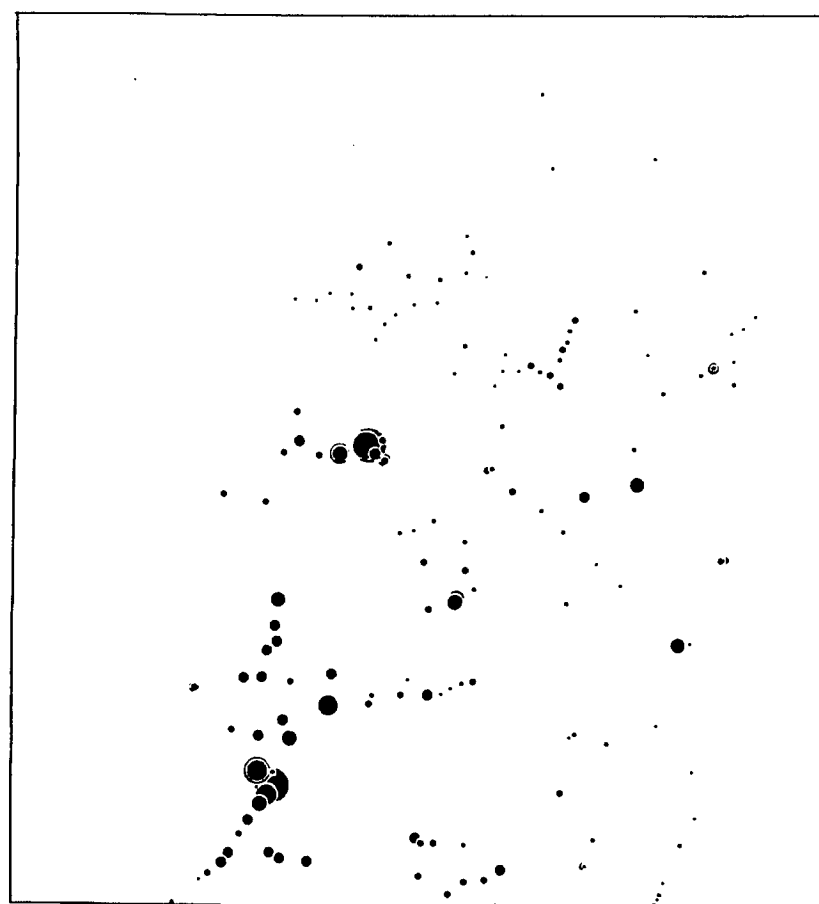
LEAD IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
•	1	1	30	18.9
•	1	2	123	96.2
•	2	6	2	97.5
•	6	12	1	98.1
•	12	42	1	98.7
•	42	70	1	99.4
•	70	128	1	100



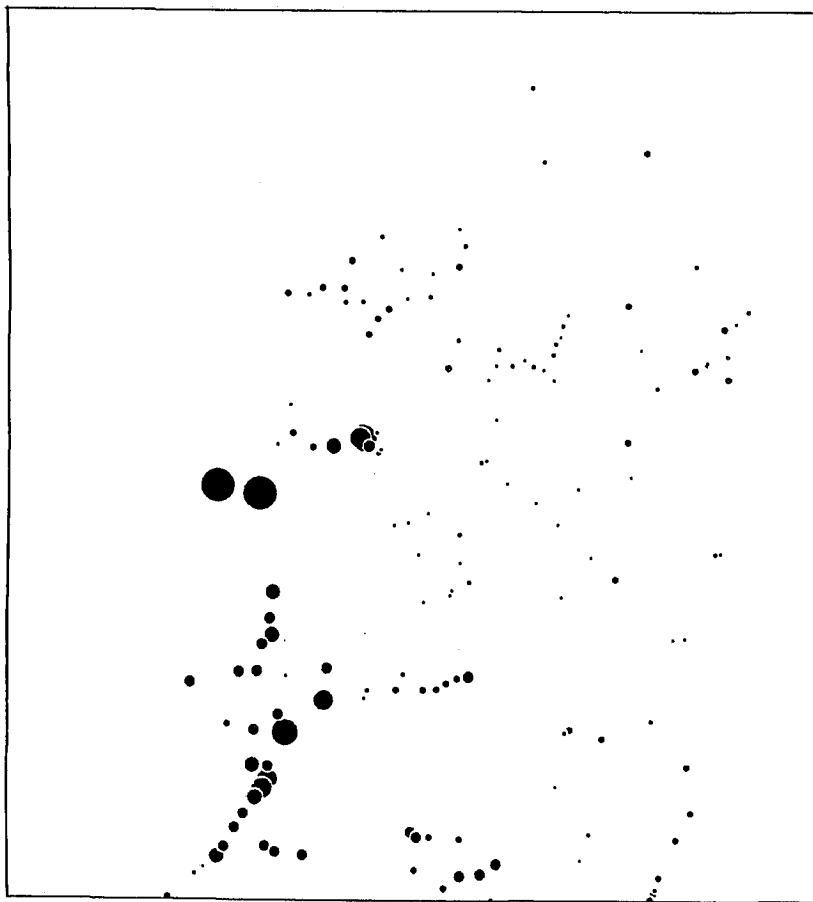
STRONTIUM IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
·	12	20	48	30.2
·	20	24	32	50.3
·	24	31	41	76.1
·	31	41	21	89.3
·	41	56	9	95
·	56	79	4	97.5
·	79	92	2	98.7
·	92	137	2	100



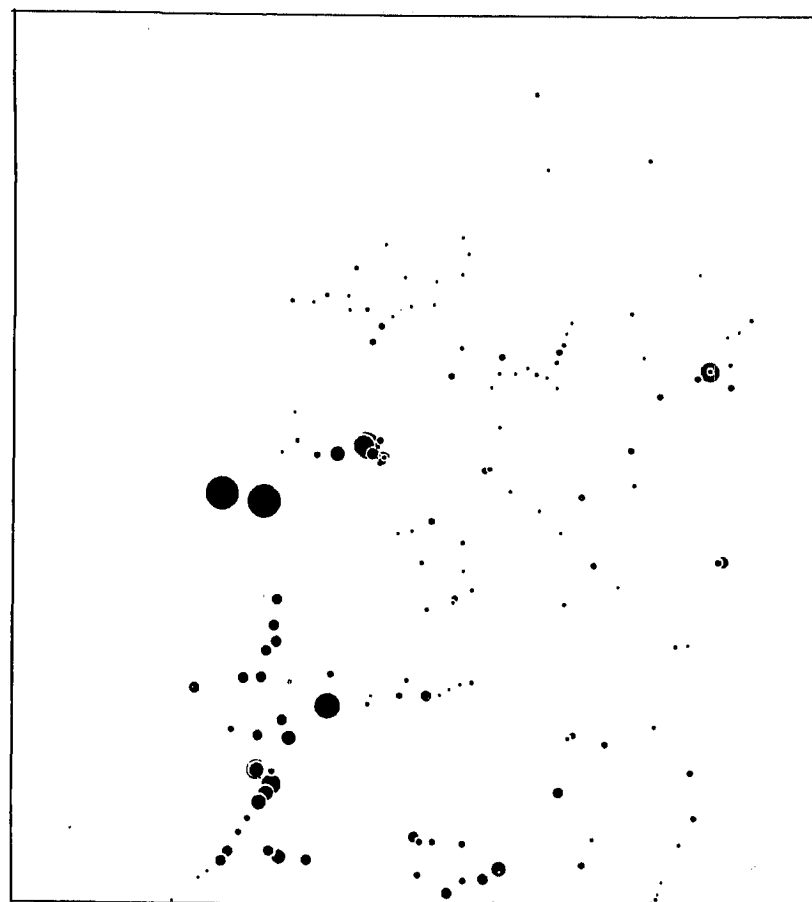
TITANIUM IN MAGNETIC H.M.C.

SIZE	RANGE (WL.%)		OBS.	%TILE
	LOW	HIGH		
·	0.73	1.15	40	25.2
·	1.15	1.47	39	49.7
·	1.47	2.45	40	74.8
·	2.45	4.69	24	89.9
·	4.69	5.30	8	95
·	5.30	5.53	4	97.5
·	5.53	5.73	2	98.7
·	5.73	5.82	2	100



VANADIUM IN MAGNETIC H.M.C.

SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
.	720	1200	45	28.3
.	1200	1260	37	51.6
.	1260	1360	38	75.5
•	1360	1830	23	89.9
•	1830	2270	8	95
•	2270	2640	4	97.5
•	2640	3100	2	98.7
•	3100	3820	2	100





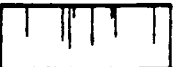







ZINC IN MAGNETIC H.M.C.

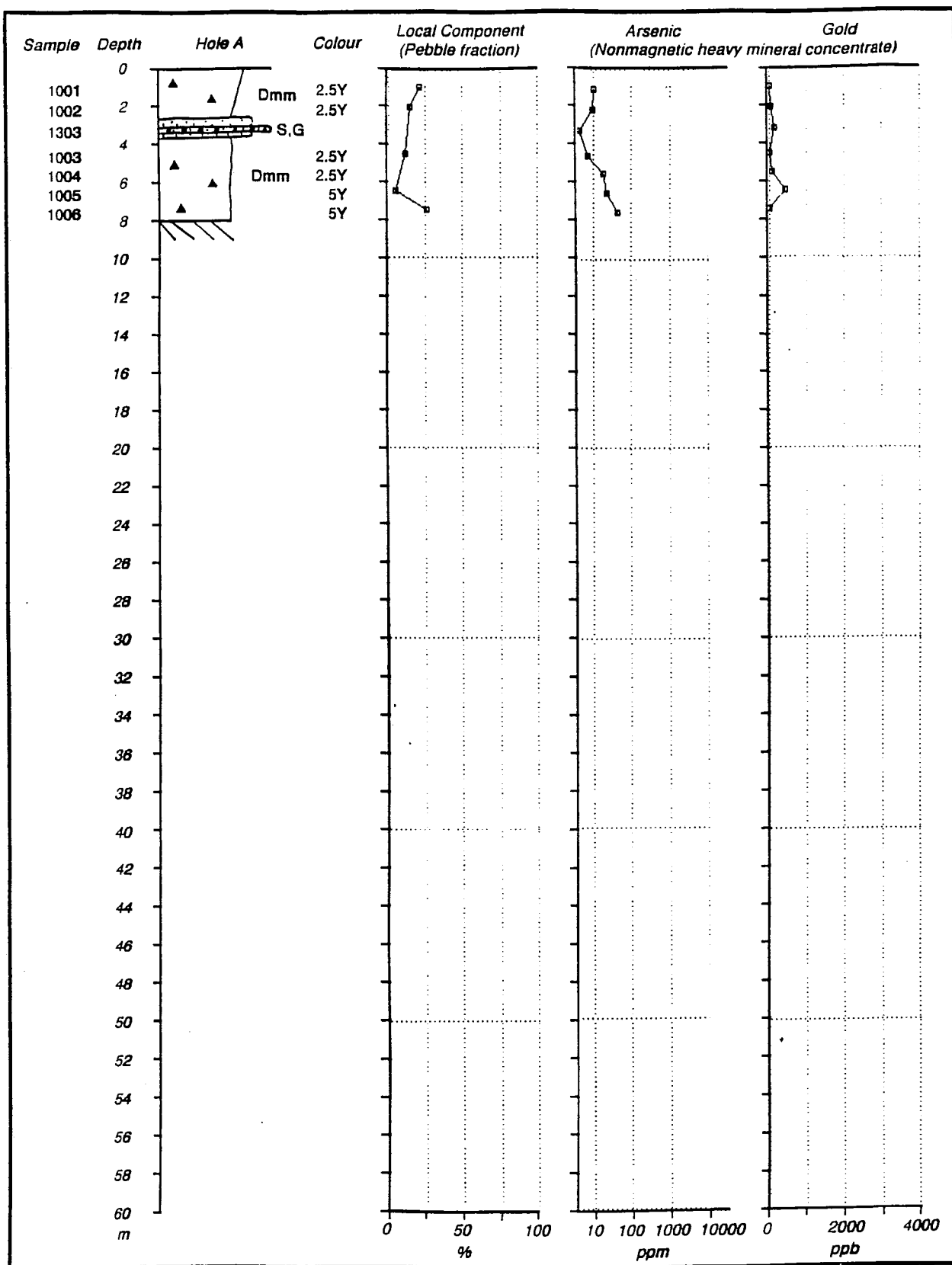
SIZE	RANGE (ppm)		OBS.	%TILE
	LOW	HIGH		
.	126	160	47	29.6
.	160	174	34	50.9
.	174	204	39	75.5
•	204	296	23	89.9
•	296	420	8	95
•	420	470	4	97.5
•	470	596	2	98.7
•	596	790	2	100

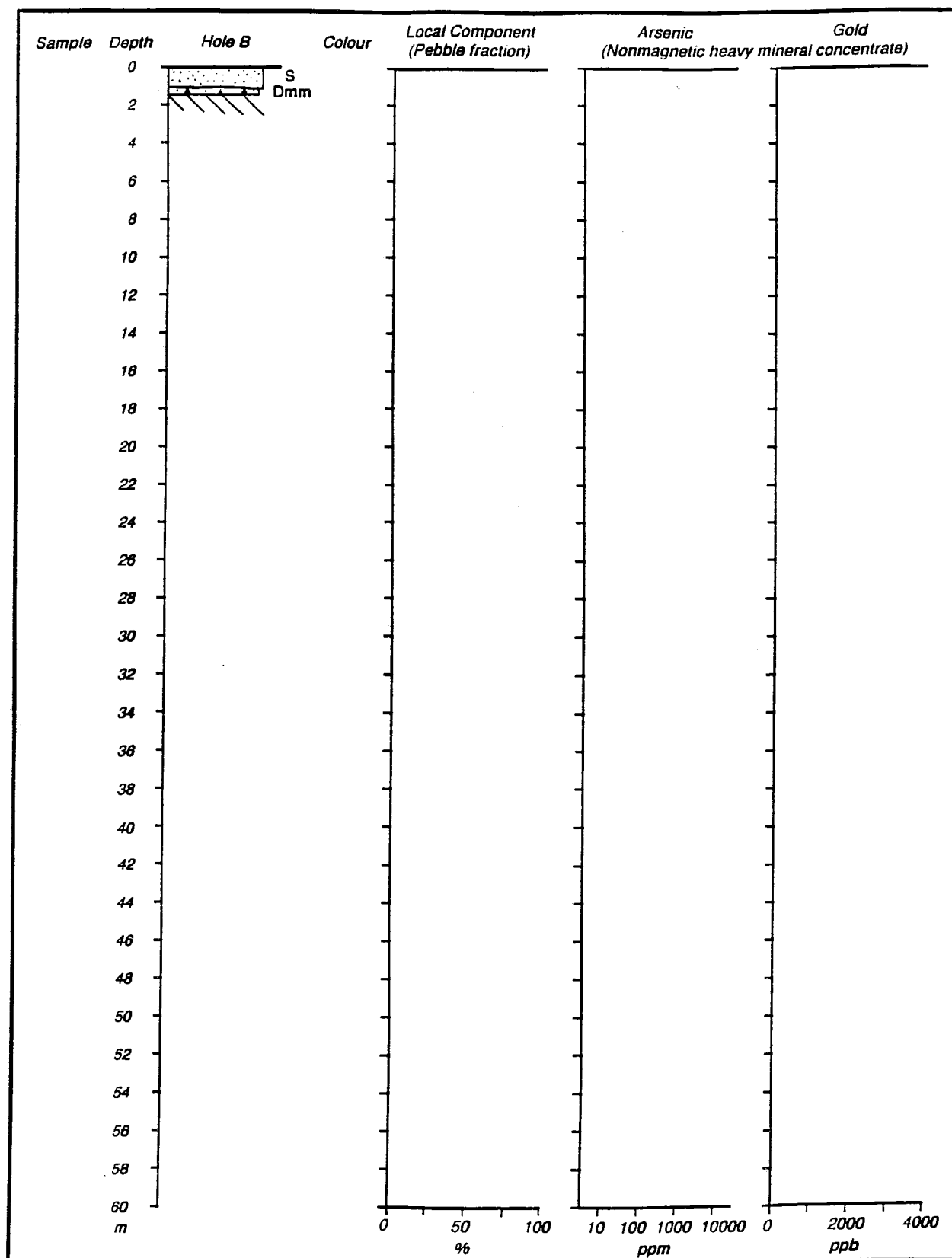
Appendix 17

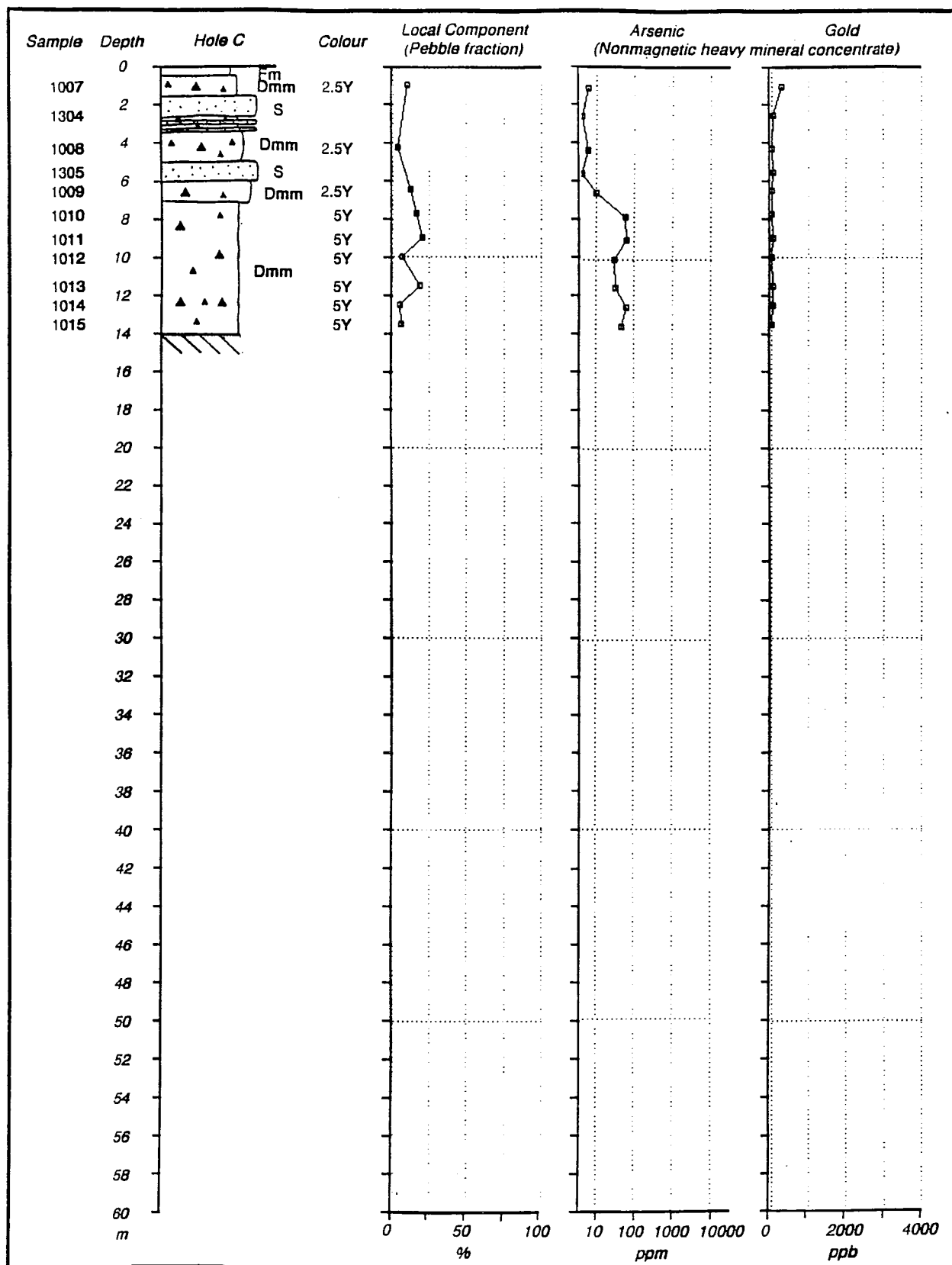
Overburden Drill Hole Stratigraphy

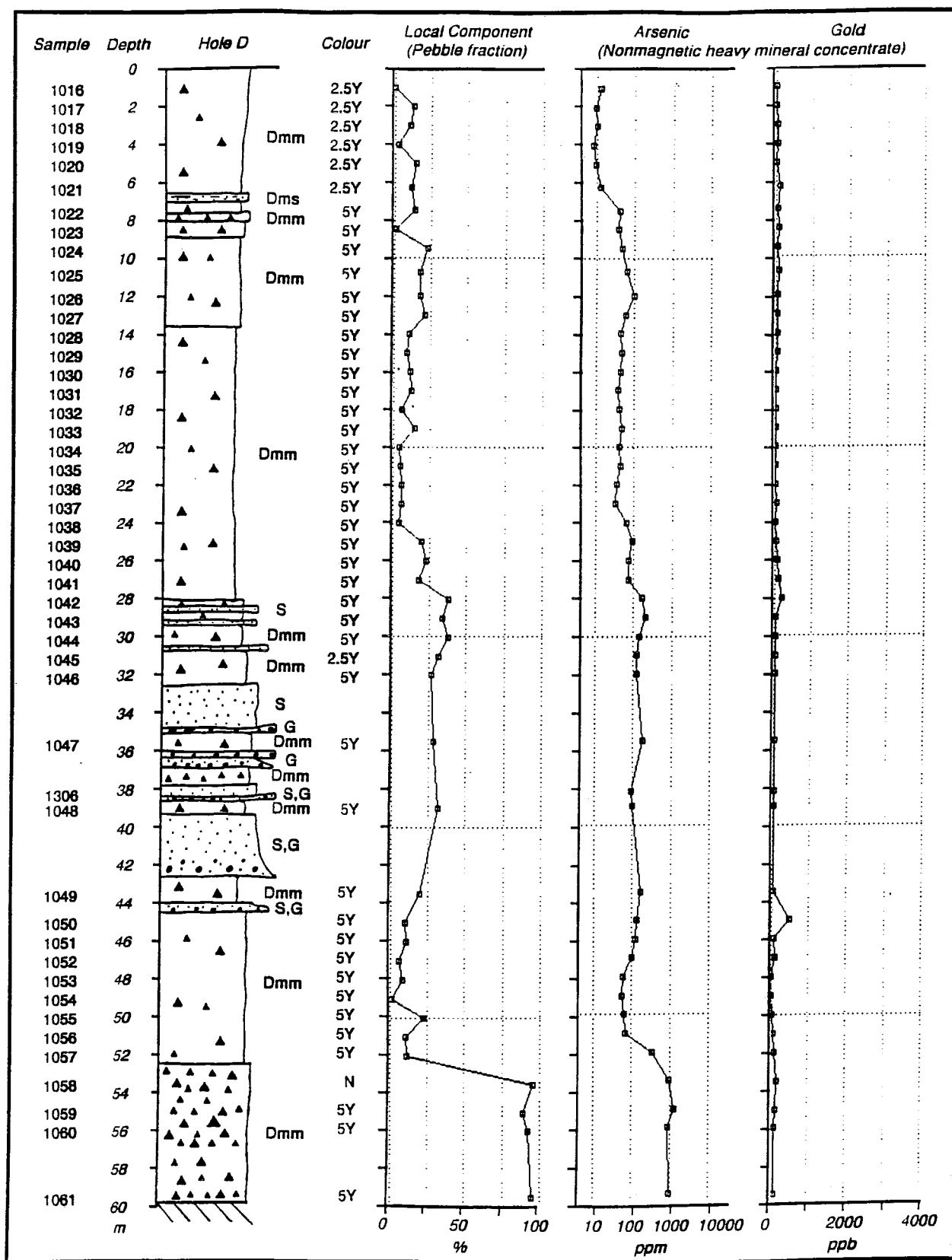
FACIES CODE	SYMBOLS
Diamict, D : Dm : matrix supported Dc : clast supported D-m : massive D-s : stratified D-g : graded Genetic interpretation, () : D--(r); resedimented D--(c); current reworked D--(s); sheared	  <p>OR with size of symbol proportional to clast size</p>  <p>stratified</p>  <p>sheared</p>  <p>jointed</p>
Sands, S : Sr : rippled St : trough cross-bedded Sh : horizontal lamination Sm : massive Sg : graded Sd : soft sediment deformation	 <p>Gravel Sand Laminations (spacing prop. to thickness) - with silt and clay clasts - with dropstones - with loading structures</p>
Fine-grained (mud), F : F1 : laminated Fm : massive F-d : with dropstones	<p>Contacts:</p>  <p>Erosional</p>  <p>Conformable</p>  <p>Loaded</p>  <p>Interbedded</p>

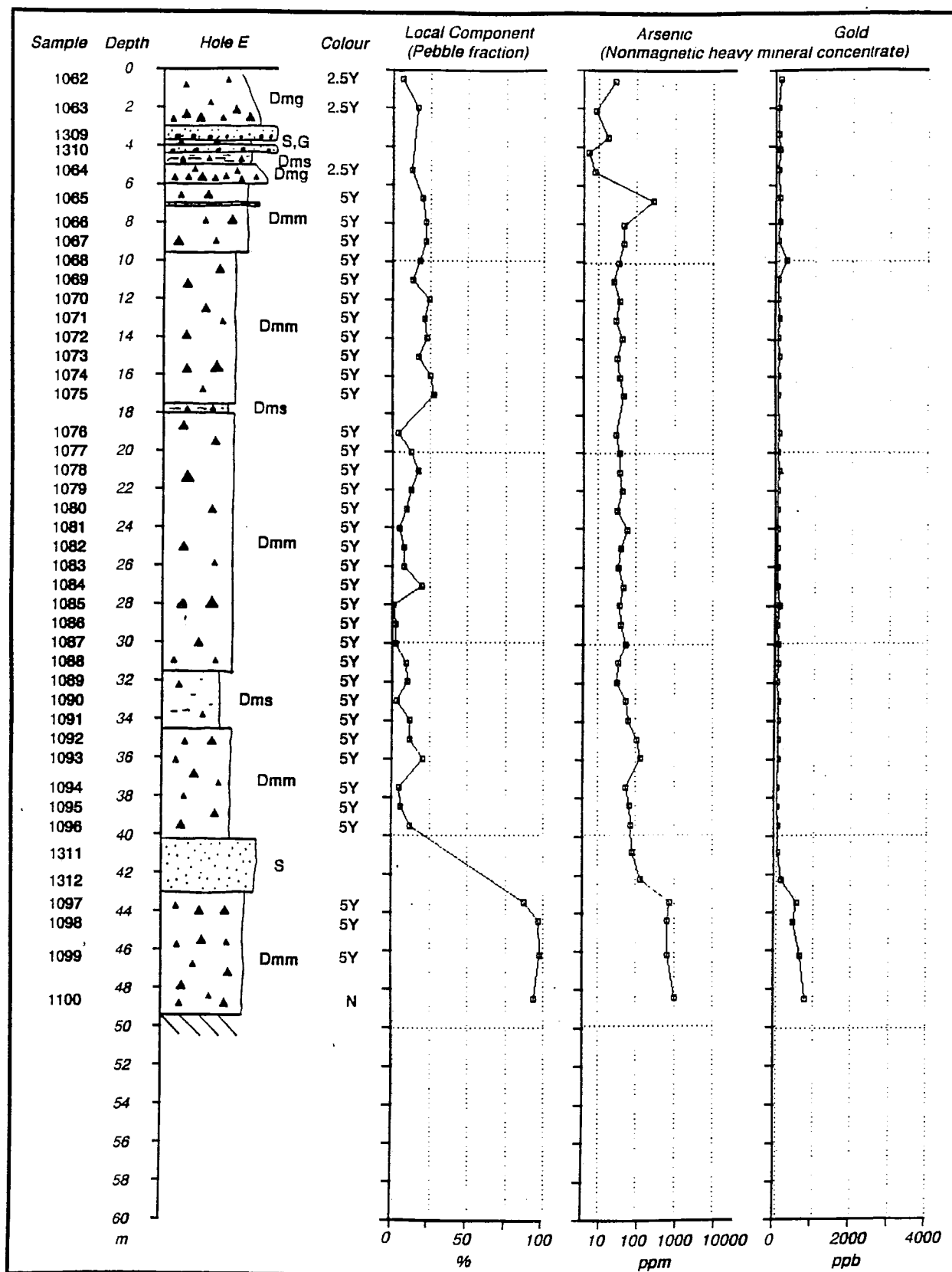
Lithofacies Code: from Eyles, N., Eyles, C.H., and Miall, A.D. 1983. Lithofacies types and vertical profile analysis; an alternative approach to the description and environmental interpretation of glacial diamict and diamictite sequences: *Sedimentology*, v. 30, p. 393-410.

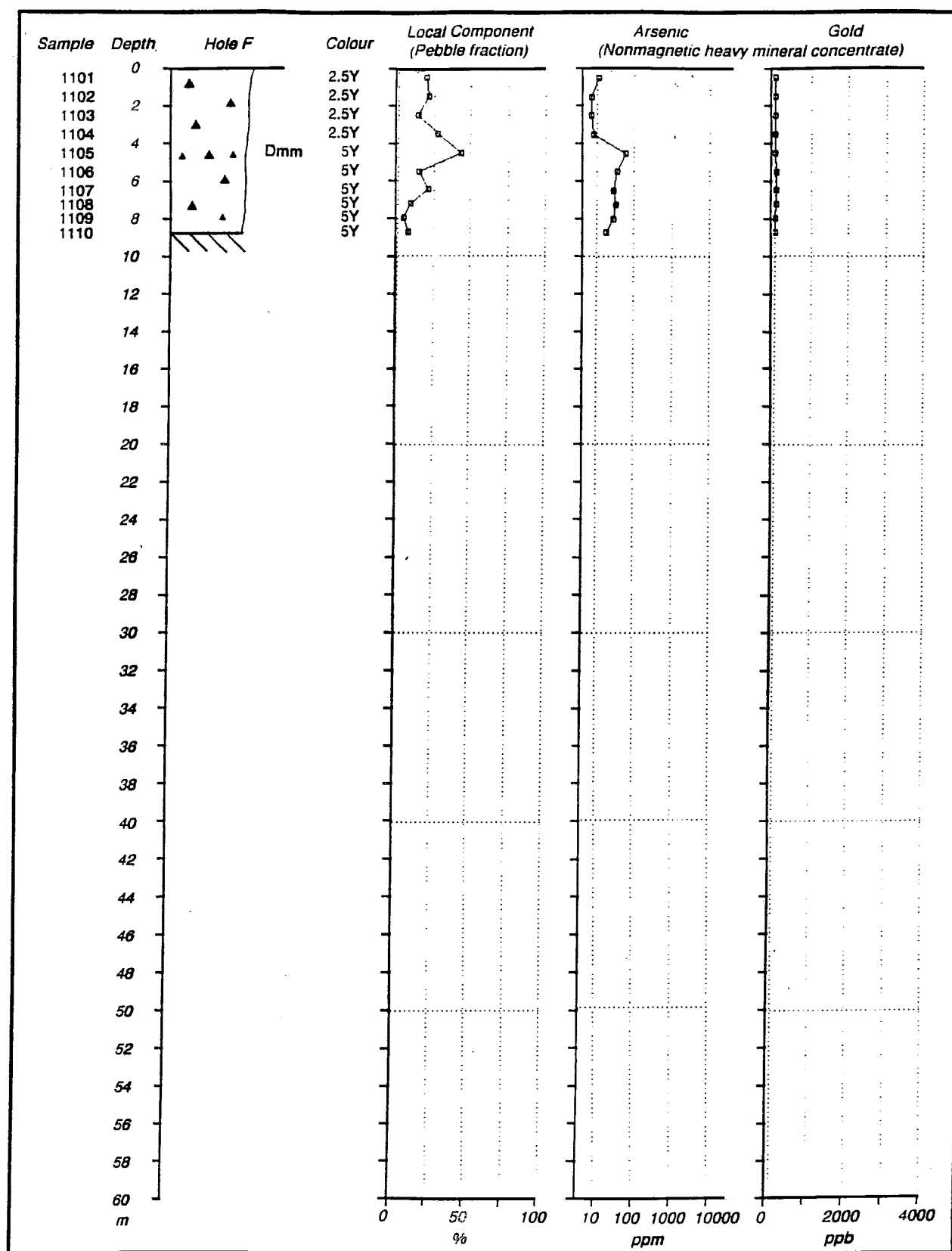


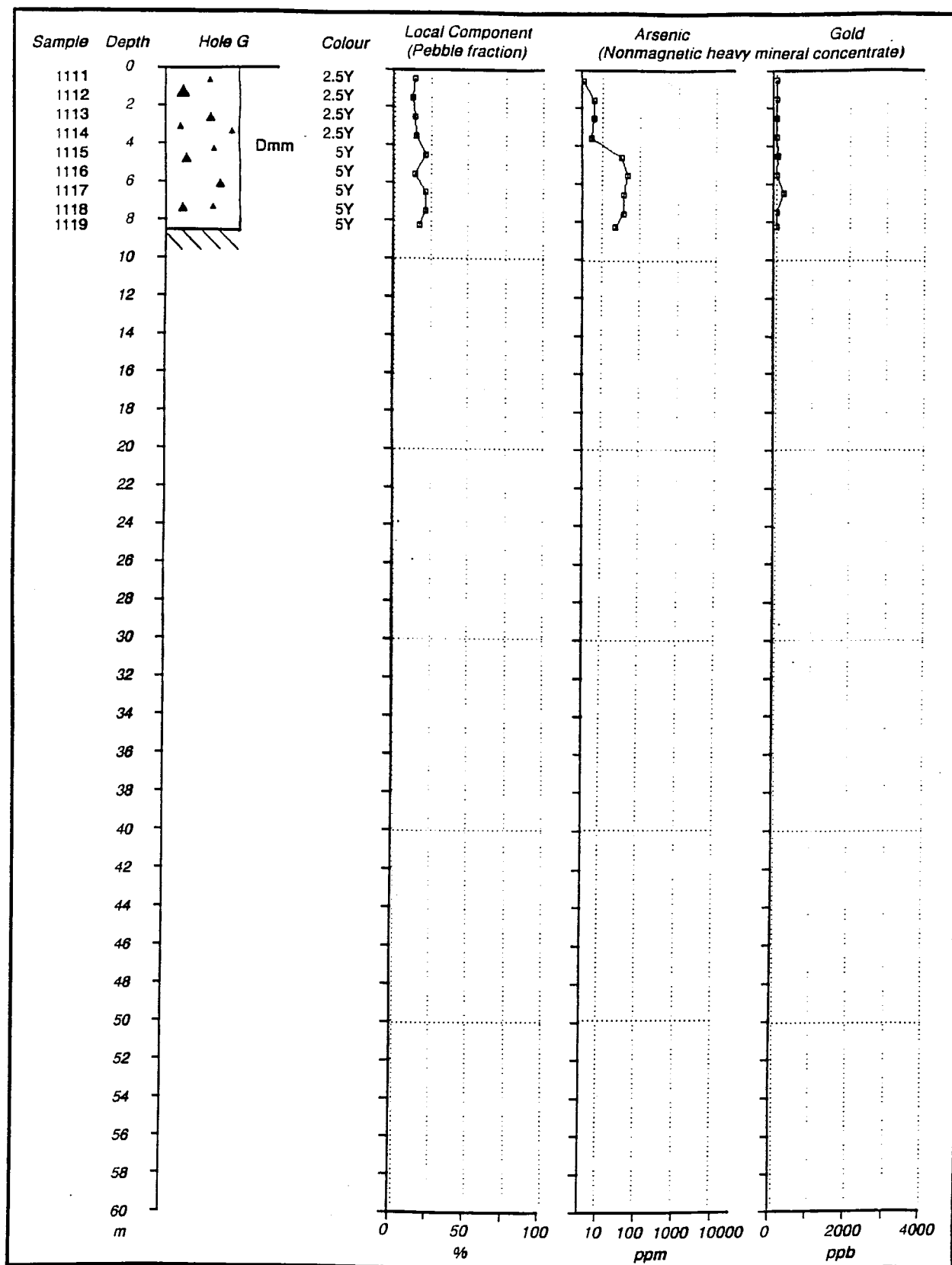


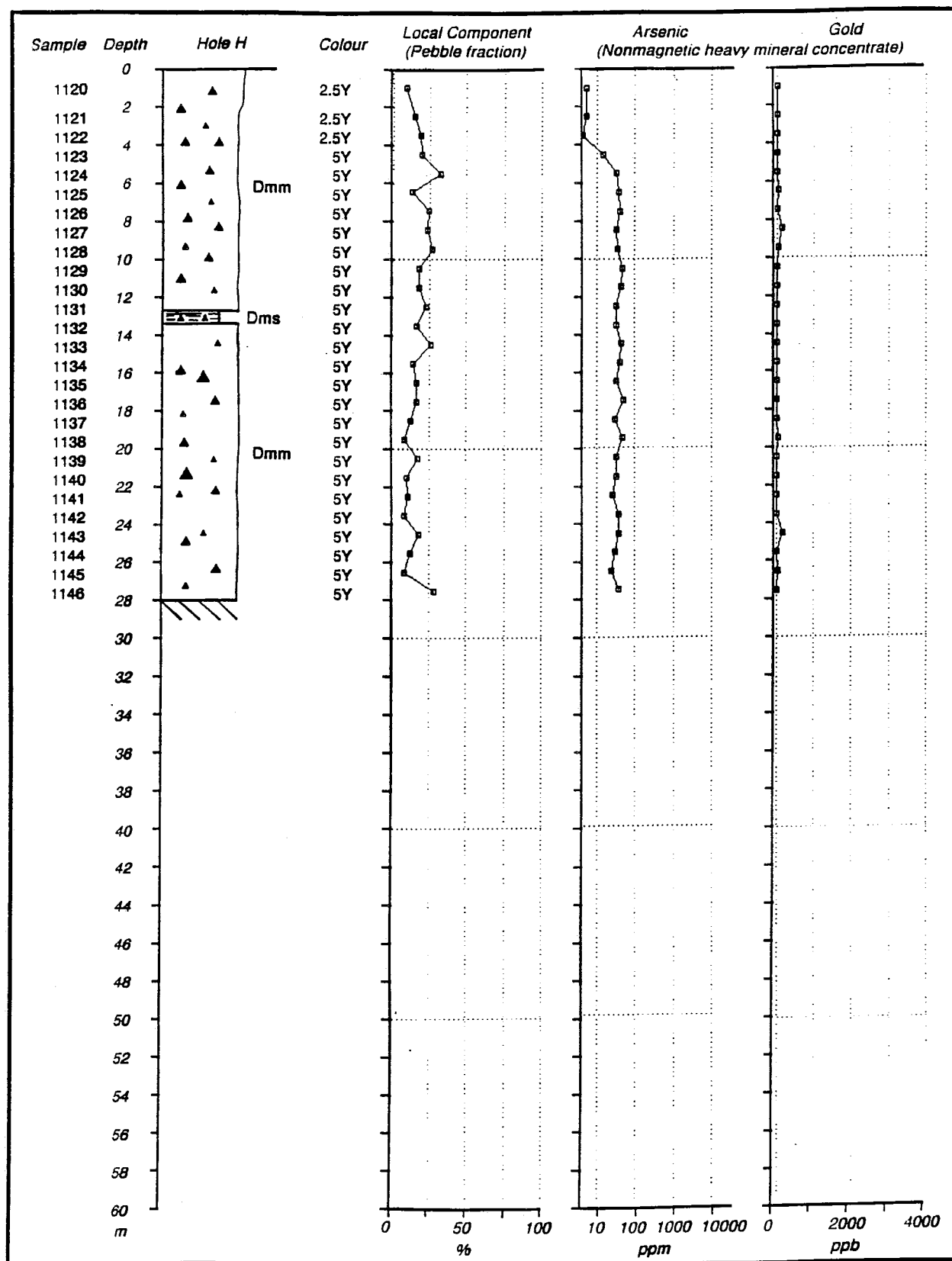


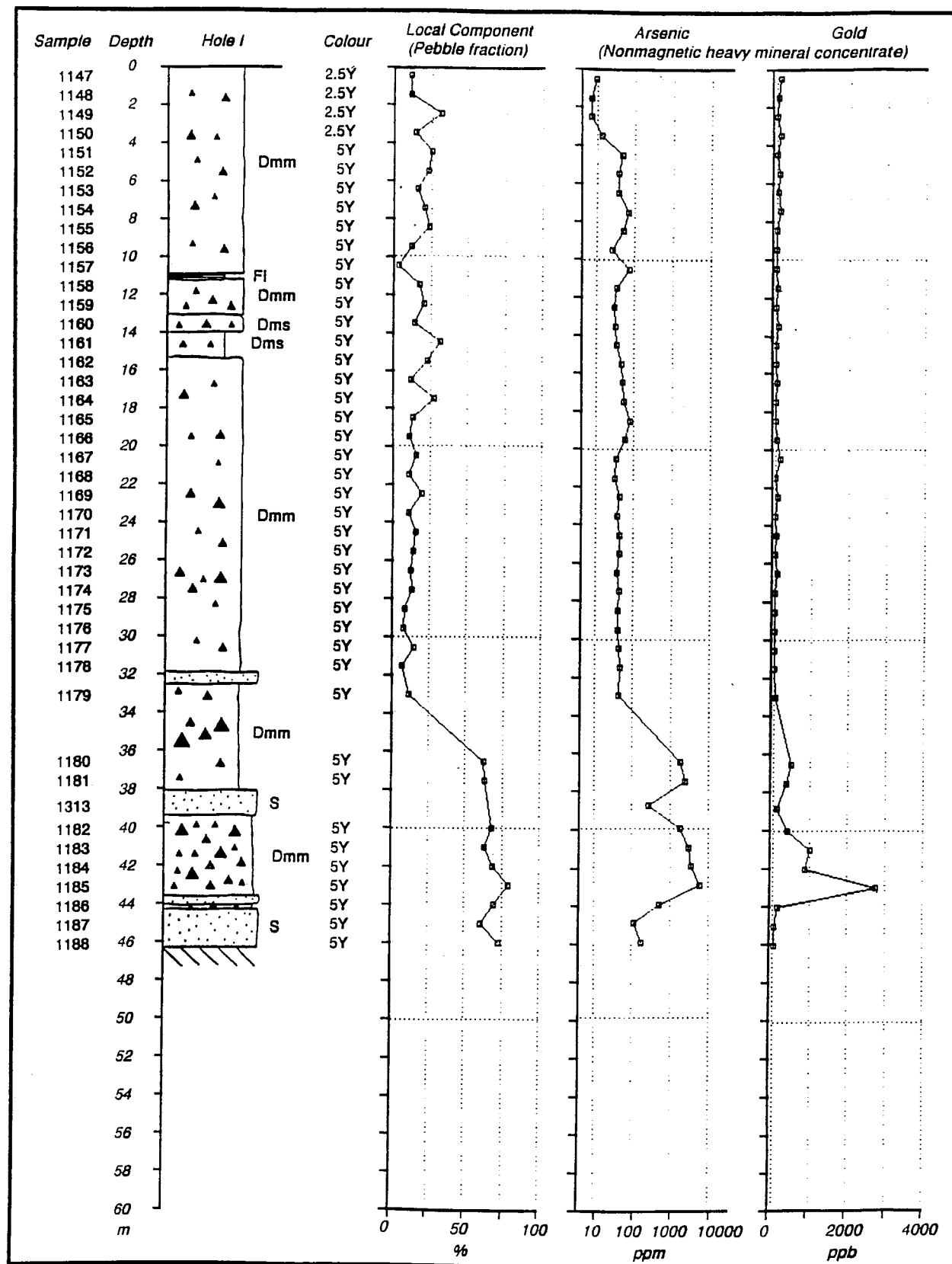


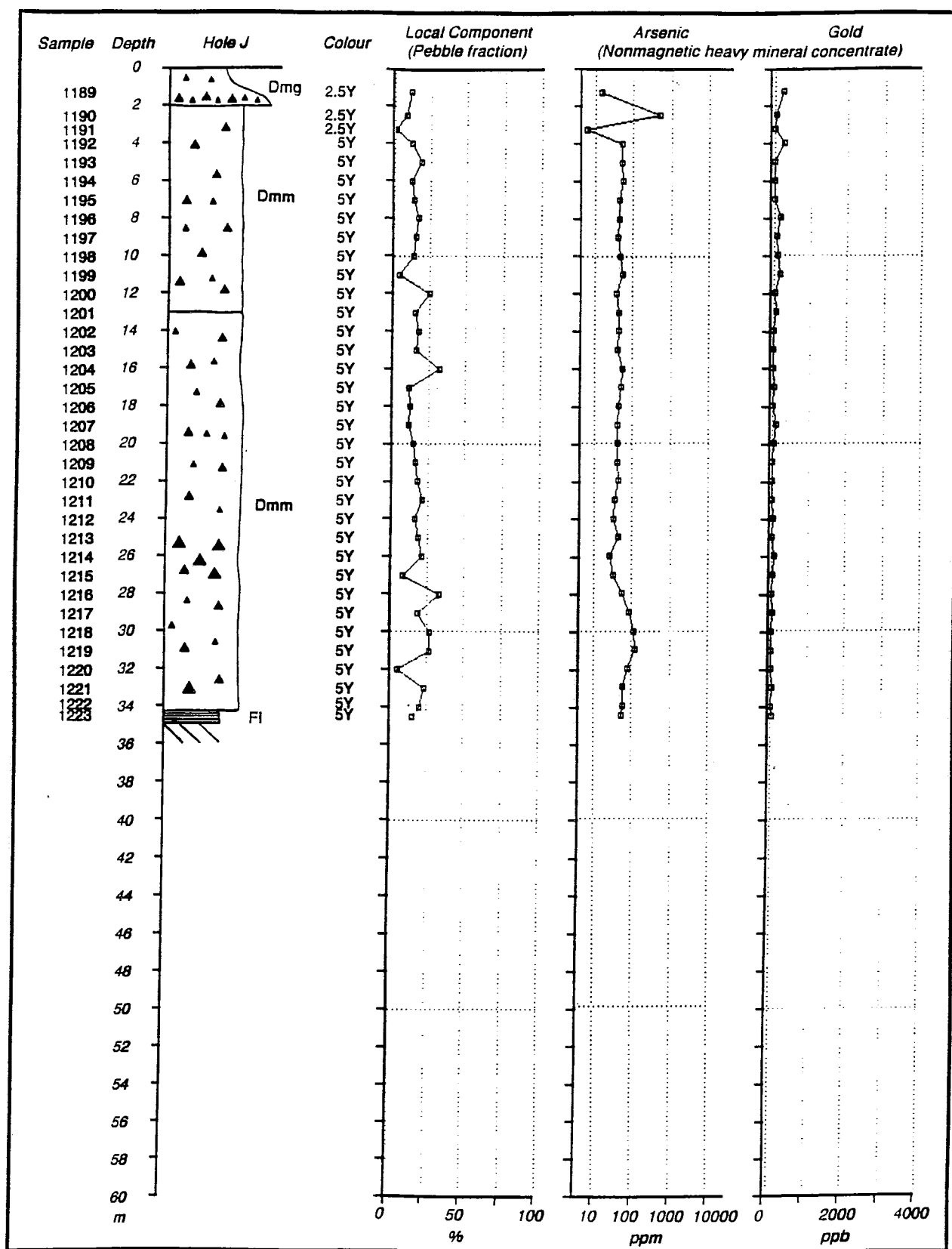


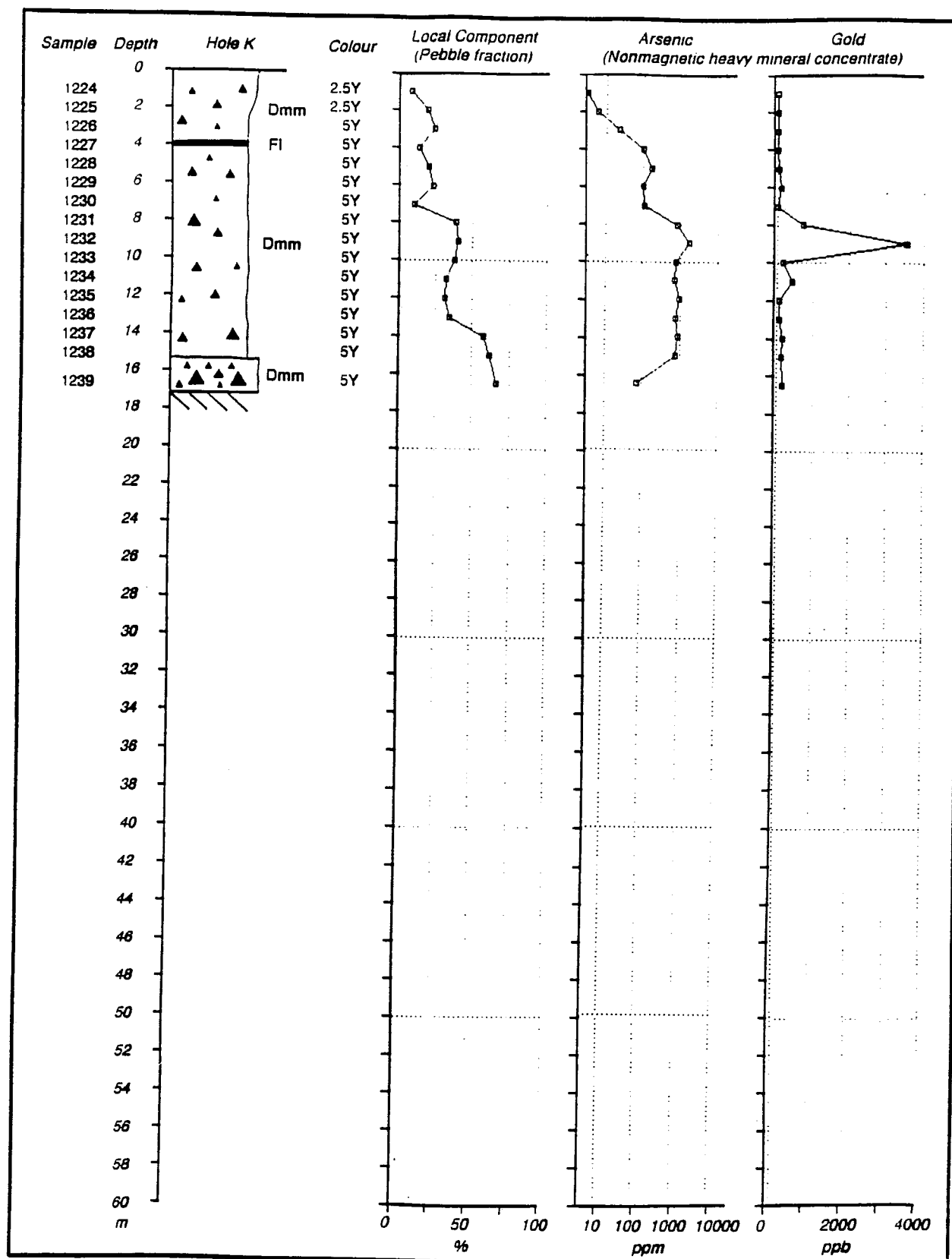


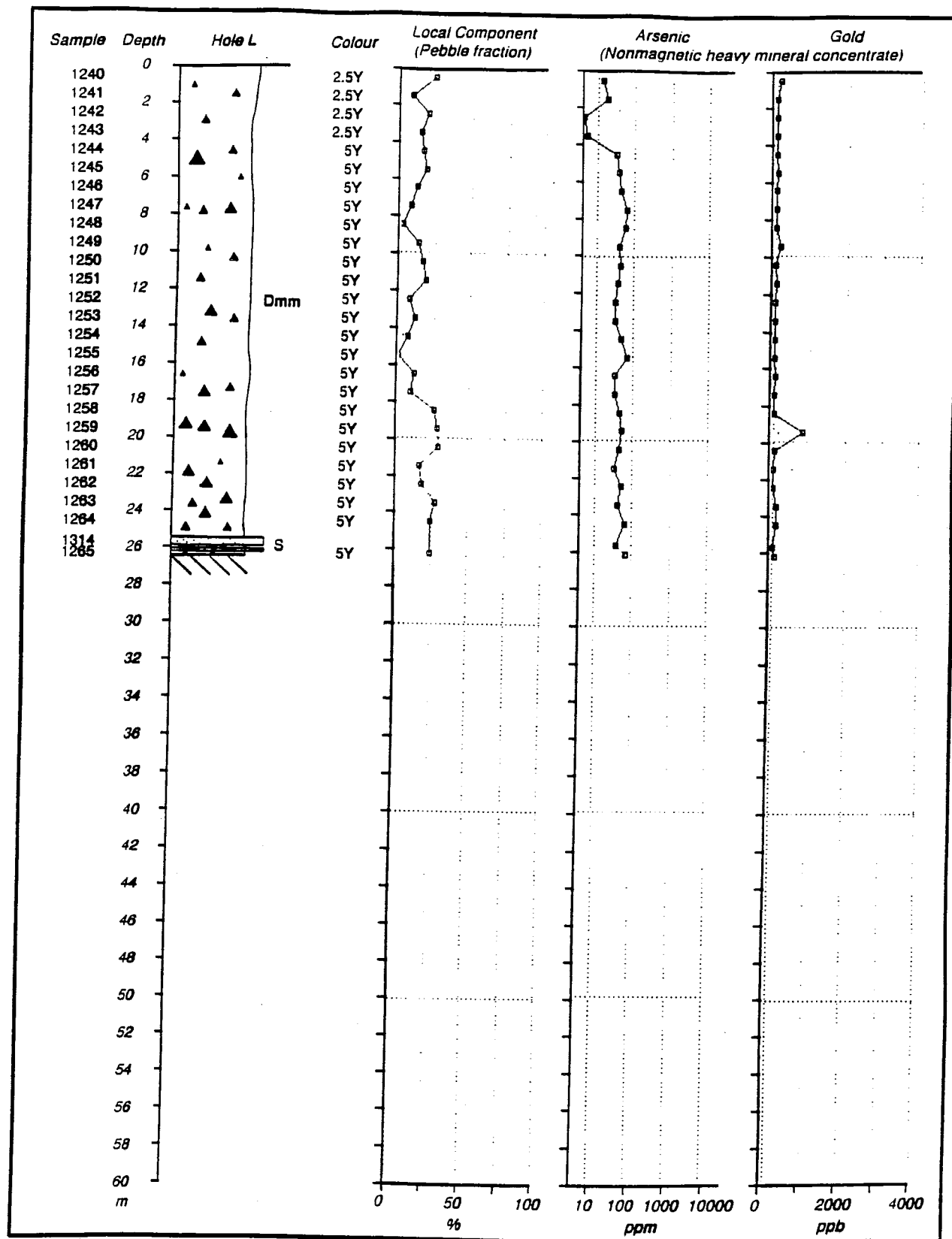


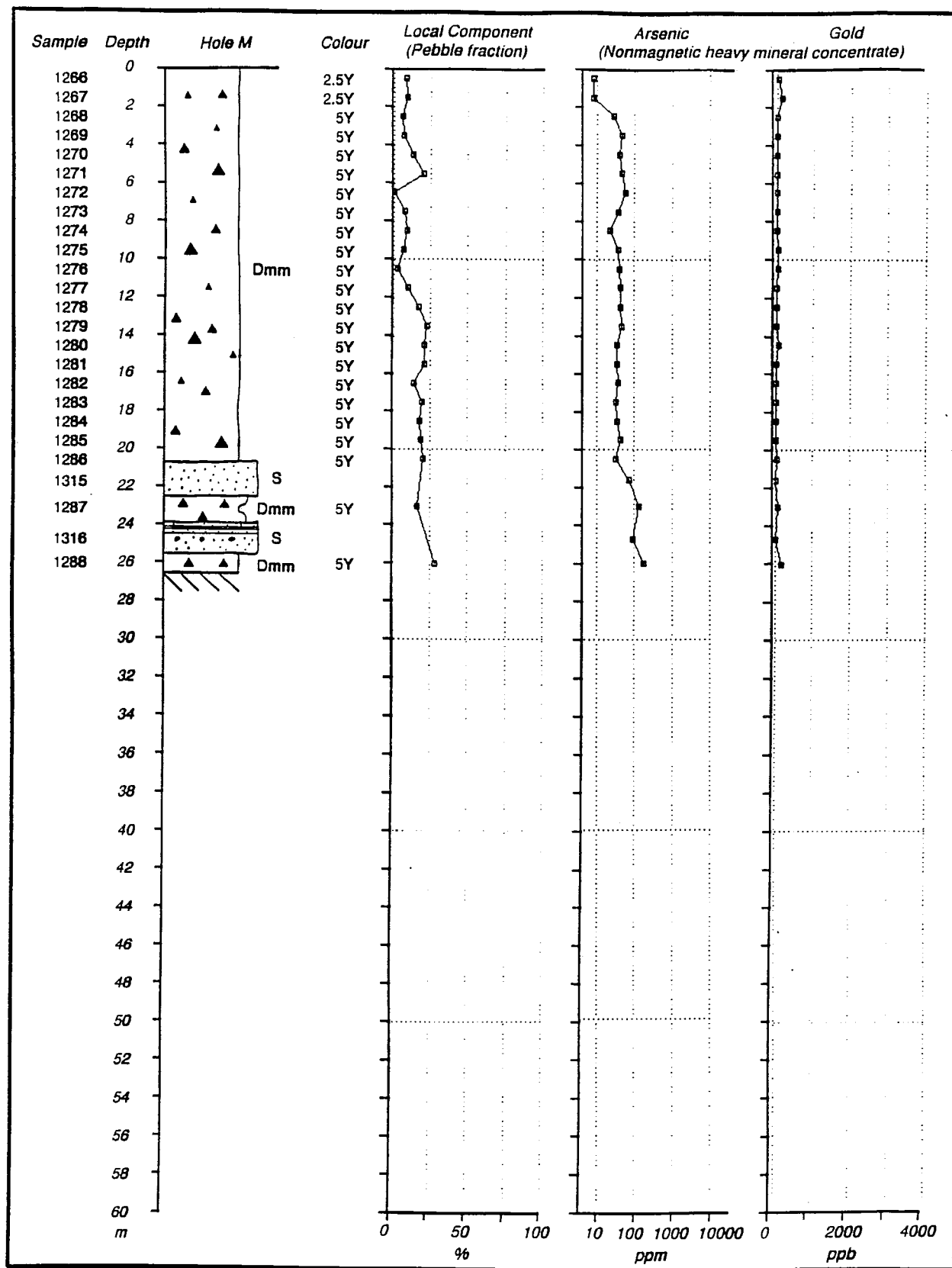


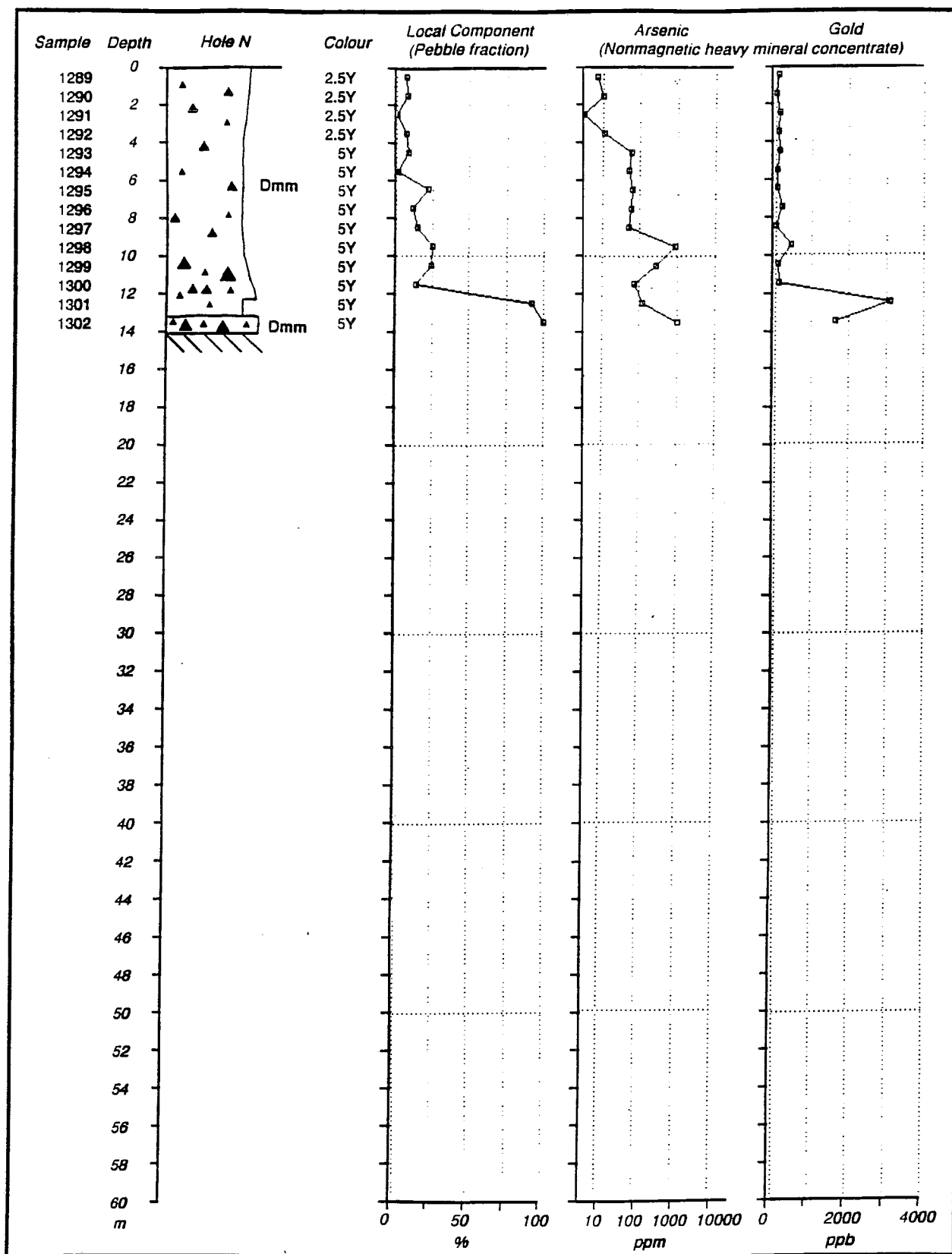


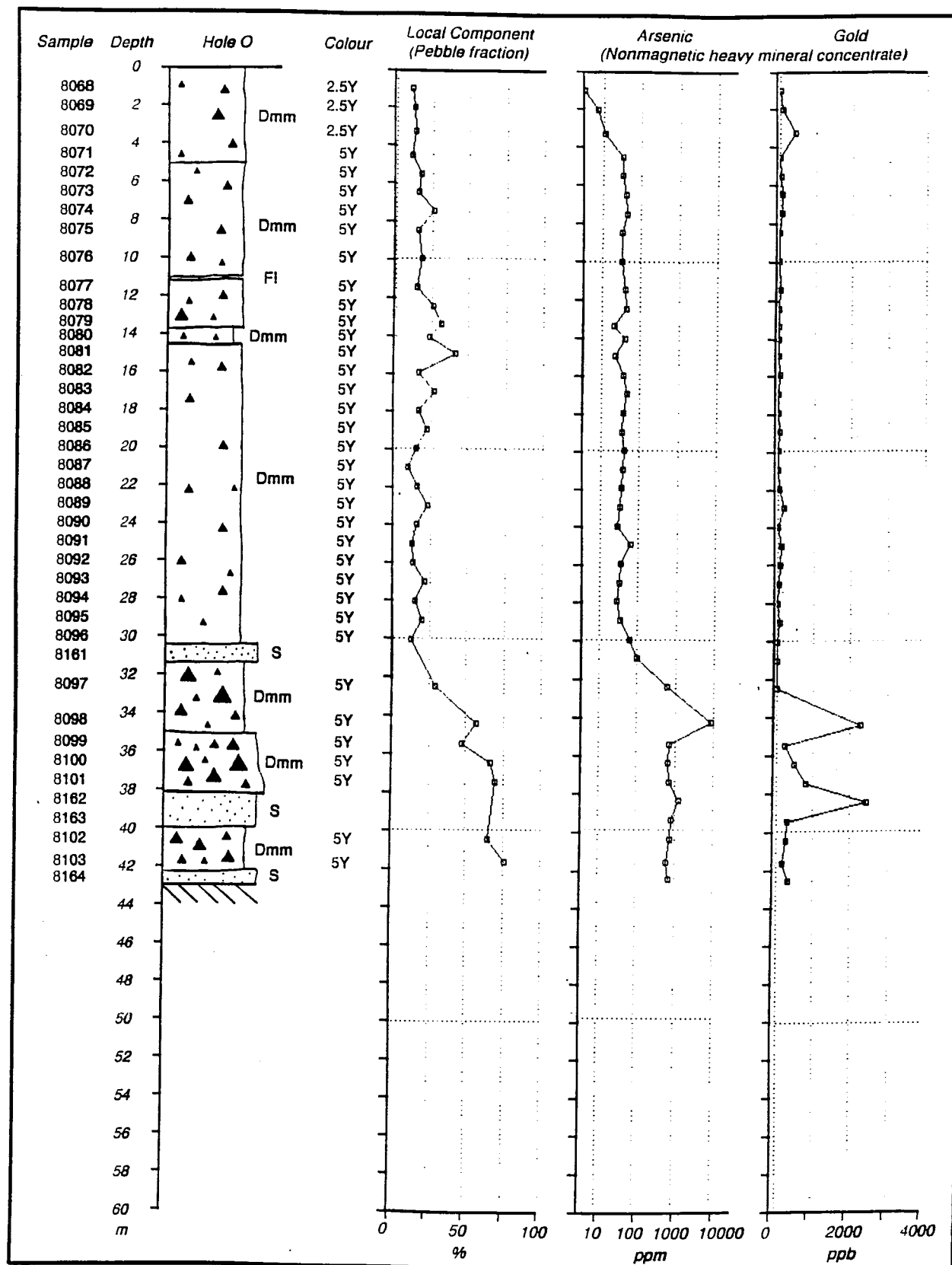


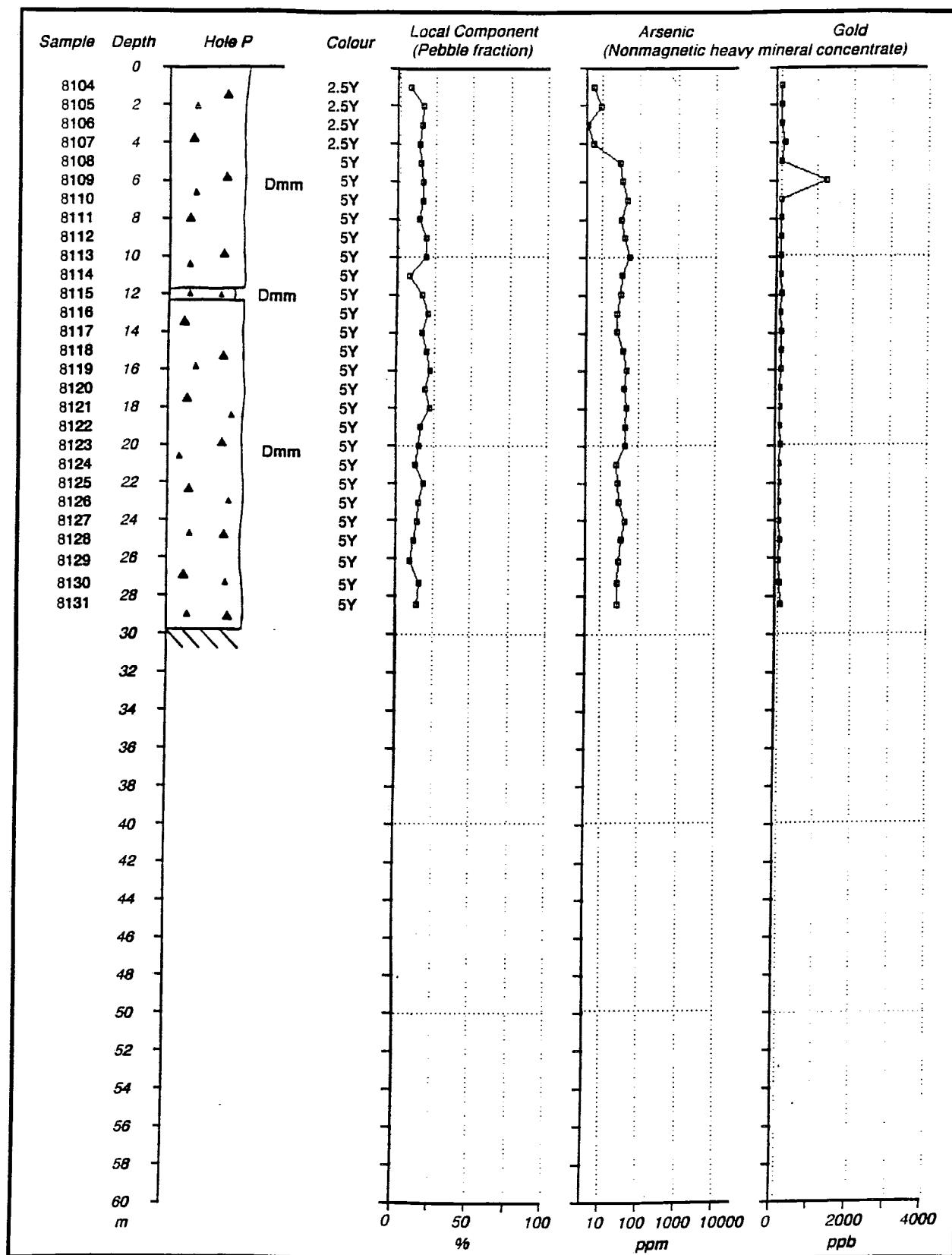


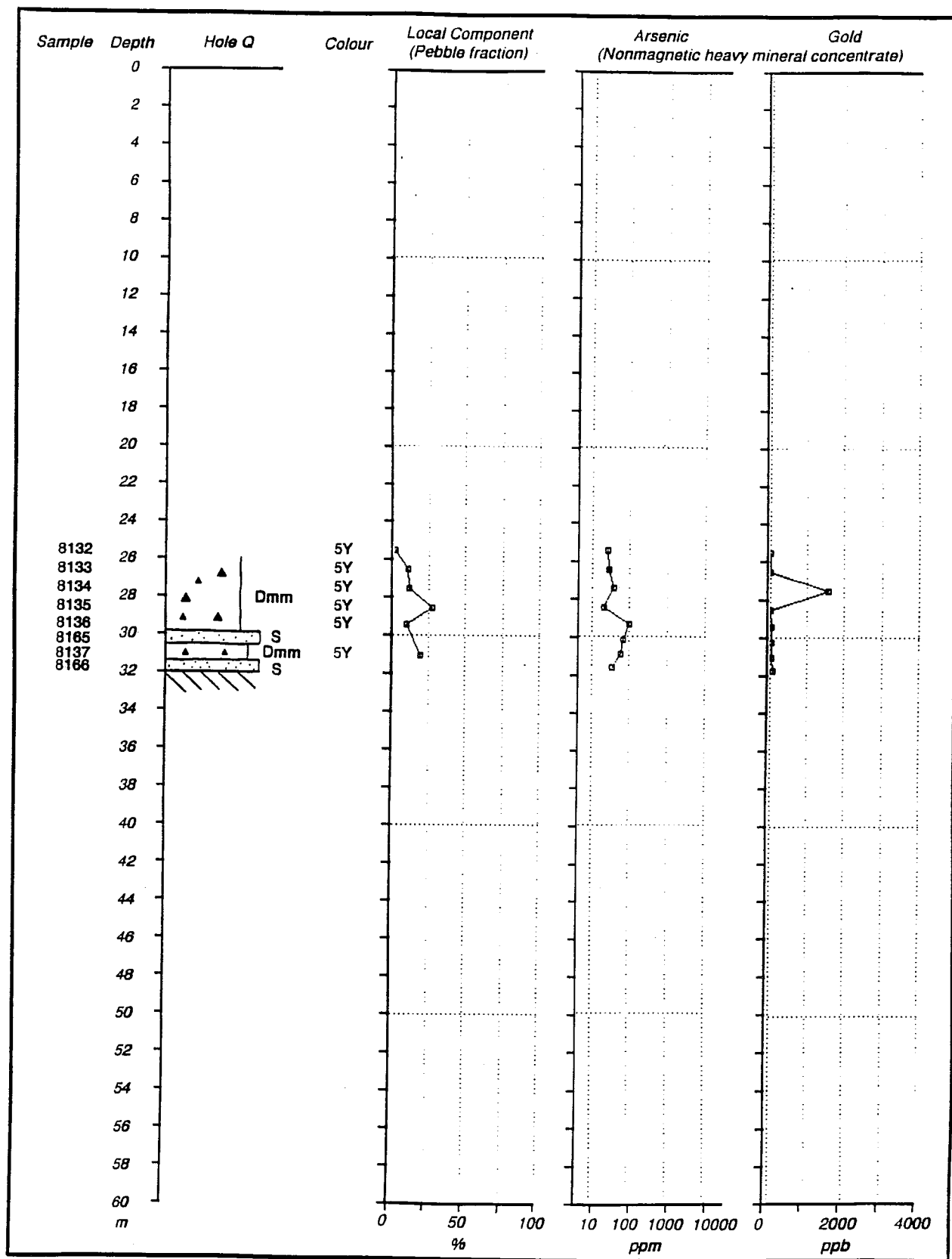


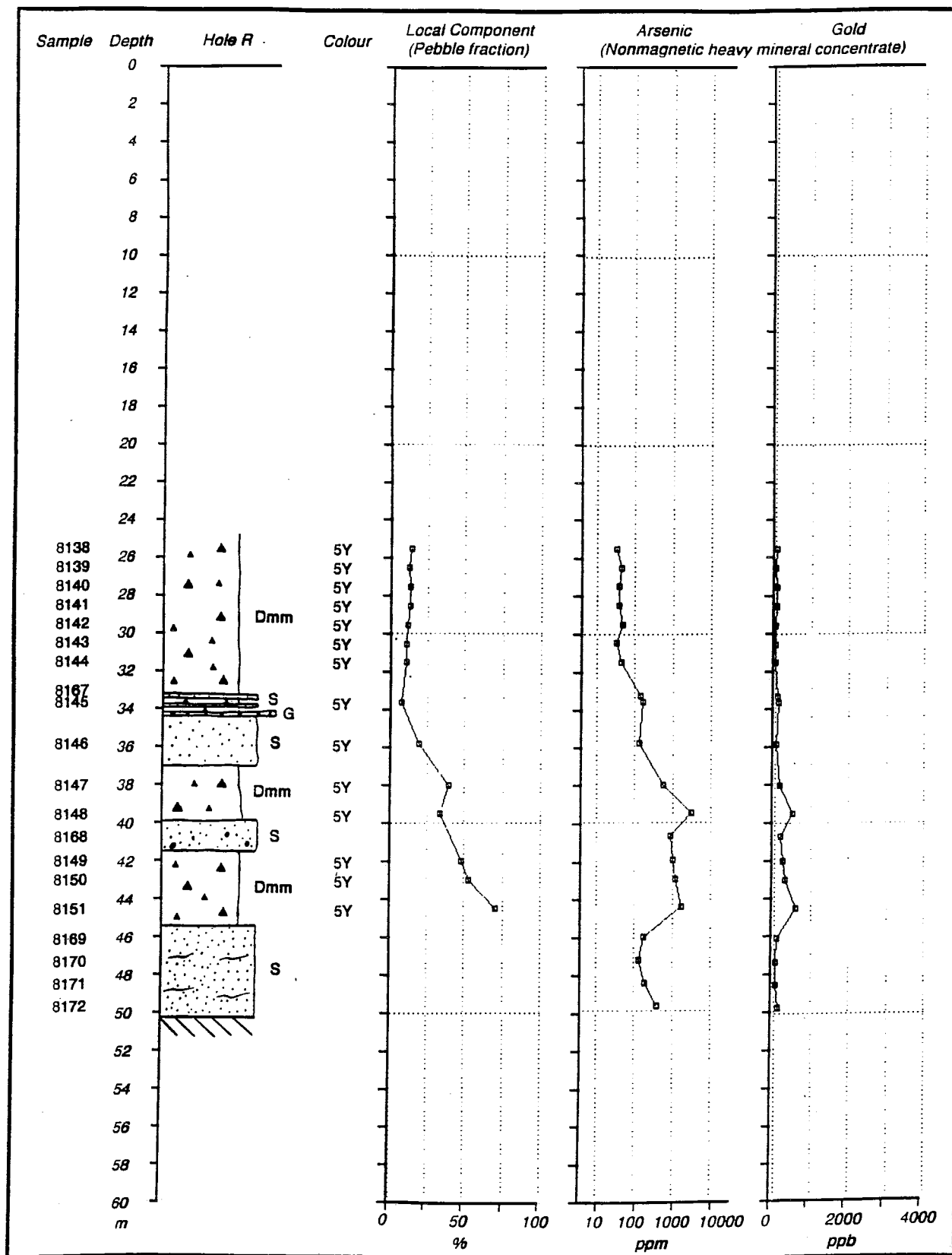


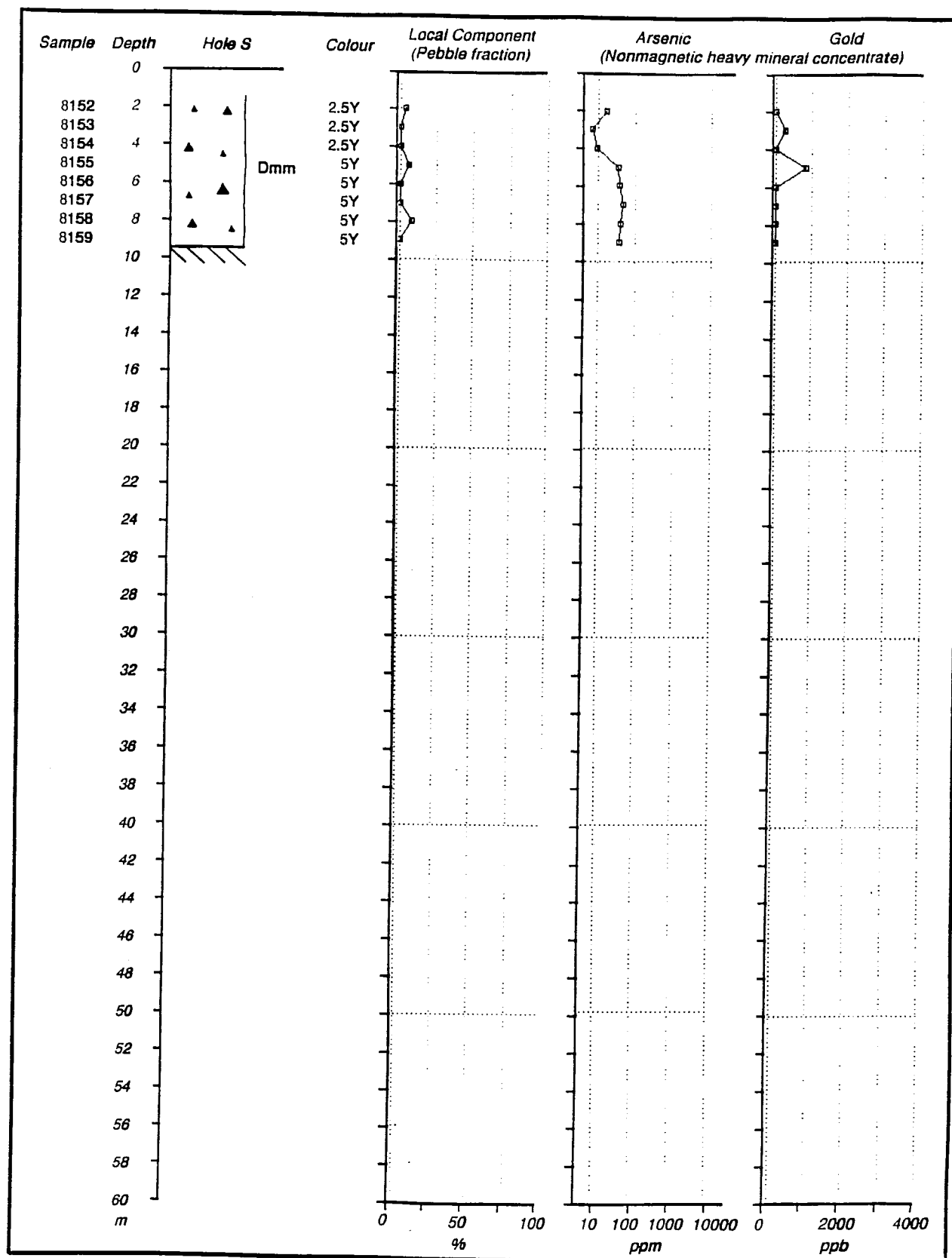


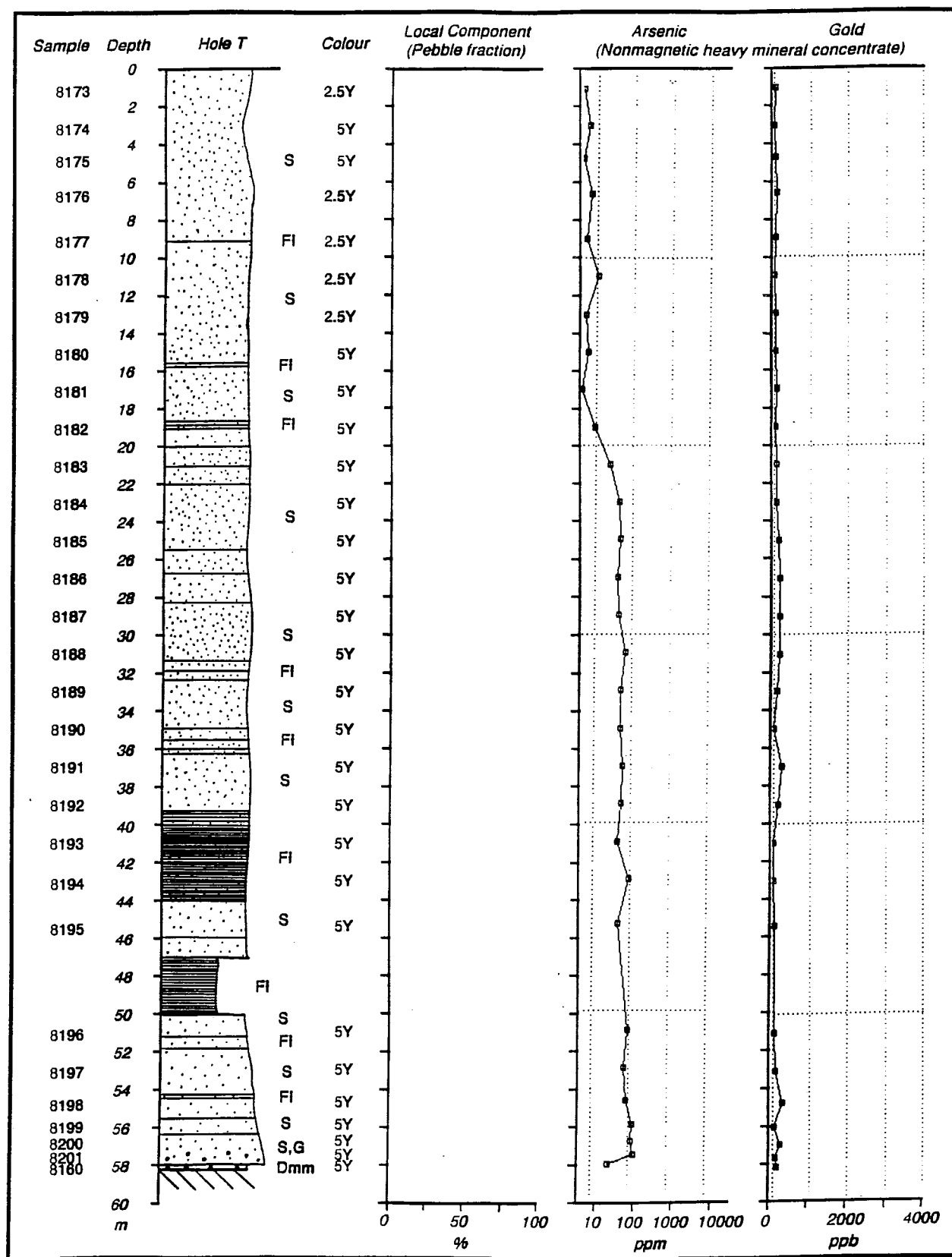












Appendix 18

Geochemistry of Soil Profiles

Geochemistry of Soil Profiles: B Horizon/C Horizon Transition

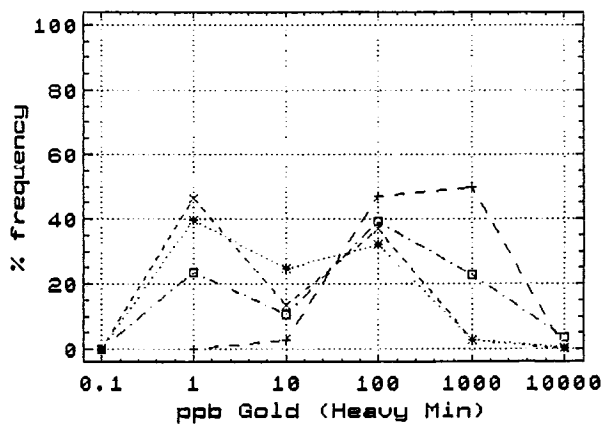
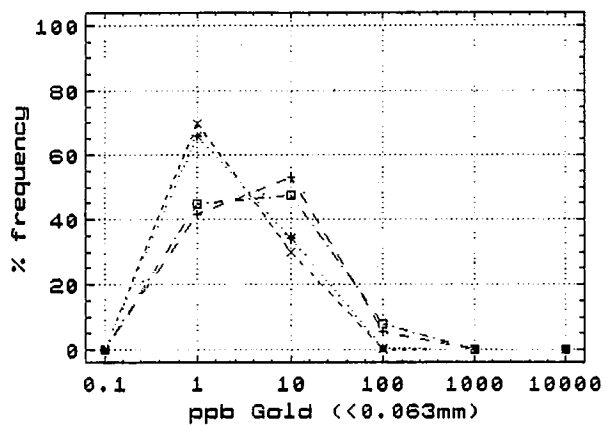
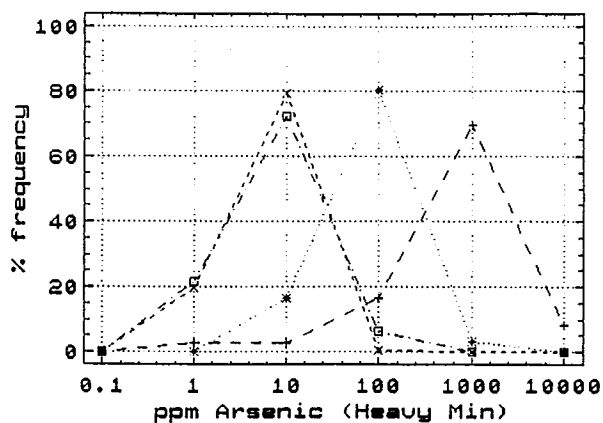
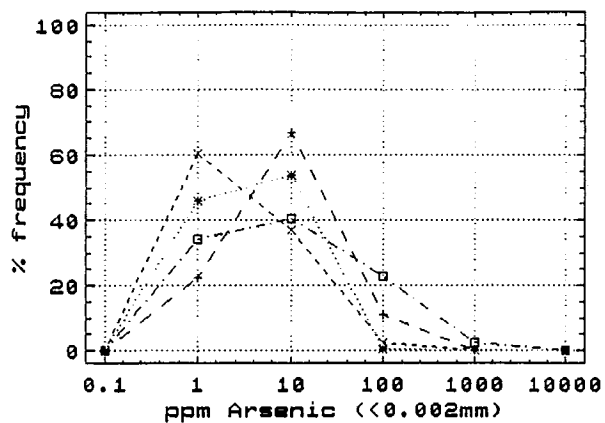
Noromag Heavy Min Conc					<0.063mm Fraction			<0.002mm Fraction						
Depth m	Munsell Colour	Gold ppb	Arsenic ppm	Cobalt ppm	Calcite %	Dolomite %	Total %	As ppm	Co ppm	Cr ppm	Cu ppm	La ppm	Mn ppm	Zn ppm
Site 040:														
0.08	10YR 7/2	<5	6	39	4.53	15.10	19.6	5	20	62	58	5	694	96
0.25	7.5YR 5/6	50	7	59	0.55	0.90	1.5	20	20	60	22	5	358	28
0.39	10YR 6/3	54	5	36	0.43	1.11	1.5	10	16	43	28	20	455	34
0.47	10YR 6/3	<5	4	40	0.30	1.03	1.3	3	23	75	66	90	885	77
0.56	10YR 6/3	<5	3	46	0.41	1.68	2.1	15	27	99	87	200	1123	107
0.68	2.5Y 6/2	47	6	36	4.82	19.10	23.9	10	21	73	81	20	684	122
0.83	2.5Y 6/2	<5	6	37	7.55	18.00	25.6	3	19	62	69	5	588	103
1.07	2.5Y 6/2	<5	6	33	6.60	18.60	25.2	3	18	64	72	5	587	108
1.40	2.5Y 6/2	19	7	34	6.55	16.60	23.2	3	16	50	69	5	500	99
1.73	2.5Y 6/2	39	6	38	8.10	15.70	23.8	3	11	35	44	5	329	66
2.06	2.5Y 6/2	350	6	34	8.51	14.60	23.1	3	12	32	40	5	324	62
2.39	2.5Y 6/2	15	6	32	7.67	14.90	22.6	3	17	49	67	5	538	96
2.72	2.5Y 6/2	<5	5	25	7.80	14.90	22.7	3	24	60	66	5	714	116
3.05	2.5Y 6/2	<5	7	40	8.21	15.60	23.8	5	9	16	18	5	236	26
3.38	2.5Y 6/2	<5	7	37	10.00	16.80	26.8	5	7	10	9	5	157	13
Site 099:														
0.1	10YR 7/6	594	4	38	0.25	2.37	2.6	5	15	87	24	10	282	44
0.3	10YR 7/2	<5	4	33	0.02	2.35	2.4	30	29	145	62	30	642	84
0.5	2.5Y 8/2	32	4	44	9.81	17.70	27.5	3	21	105	69	110	544	89
0.7	2.5Y 7/2	74	5	30	14.20	18.10	32.3	15	20	95	80	40	550	94
0.9	2.5Y 6/2	<12	7	38	16.40	18.00	34.4	3	20	96	87	30	565	98
1.1	2.5Y 6/2	<5	4	35	17.30	17.20	34.5	3	21	95	91	30	550	116
1.3	2.5Y 6/2	<5	2	26	17.30	16.90	34.2	10	18	84	79	30	487	95
1.5	2.5Y 6/2	11	3	36	17.60	16.00	33.6	5	19	96	71	30	508	99
1.7	2.5Y 6/2	<5	3	41	18.30	15.90	34.2	3	16	89	60	30	468	90
1.9	2.5Y 6/2	15	3	27	16.90	16.90	33.8	3	18	91	71	30	494	98

Geochemistry of Soil Profiles: C Horizon/Parent Material Transition

Nonmagnetic Heavy Mineral Concentrate							<0.063mm Fraction			<0.002mm Fraction	
Sample	Depth m	Munsell Colour	Sulphide %	Gold ppb	Arsenic ppm	Cobalt ppm	Calcite %	Dolomite %	Total %	Arsenic ppm	Cobalt ppm
Hole A:											
1001	1.0	2.5Y 6/2	0.0	<5	10	39	14.7	15.9	30.6	15	23
1002	2.1	2.5Y 6/2	0.0	44	9	52	13.9	19.1	33.0	3	13
1003	4.5	2.5Y 6/2	0.0	<5	7	97	16.2	19.1	35.3	10	13
1004	5.5	2.5Y 6/2	0.0	63	18	73	16.8	24.1	40.9	10	13
1005	6.5	5.0Y 5/1	3.6	410	22	91	15.0	21.8	36.8	3	15
1006	7.5	5.0Y 5/1	4.4	<5	44	130	14.4	18.9	33.3	5	15
Hole C:											
1007	1.0	2.5Y 7/4	0.0	250	6	37	8.4	22.4	30.8	10	11
1008	4.3	2.5Y 6/2	0.0	<5	6	31	10.6	19.9	30.5	3	10
1009	6.5	2.5Y 6/2	0.8	<5	10	31	15.7	19.6	35.3	5	28
1010	7.8	5.0Y 5/1	7.2	<5	58	170	13.1	19.8	32.9	3	19
1011	9.0	5.0Y 4/1	4.4	26	60	140	14.1	16.3	30.4	3	20
1012	10.0	5.0Y 4/1	4.4	<5	30	110	14.9	15.6	30.5	5	20
Hole D:											
1019	4.0	2.5Y 6/2	0.8	48	8	47	17.7	20.5	38.2	5	16
1020	5.0	2.5Y 6/2	1.2	<12	9	42	17.0	20.3	37.3	3	16
1021	6.3	2.5Y 6/2	0.4	90	12	52	17.1	22.6	39.7	5	14
1022	7.5	5.0Y 5/1	6.0	38	41	110	15.2	22.8	38.0	3	14
1023	8.5	5.0Y 5/1	4.4	57	36	110	14.6	23.0	37.6	5	16
1024	9.5	5.0Y 5/1	8.8	35	45	99	15.1	23.3	38.4	3	14
Hole E:											
1062	0.5	2.5Y 6/2	0.4	62	27	52	9.5	16.6	26.1	3	10
1063	2.0	2.5Y 6/2	0.0	<14	8	41	10.9	17.7	28.6	3	12
1064	5.3	2.5Y 6/2	2.0	<5	8	55	15.3	19.5	34.8	10	12
1065	6.8	5.0Y 5/1	5.2	41	261	120	15.1	18.9	34.0	5	20
1066	8.0	5.0Y 5/1	8.0	23	46	130	13.2	18.9	32.1	5	18
1067	9.0	5.0Y 5/1	3.6	<12	45	140	13.8	20.2	34.0	3	17
Hole F:											
1101	0.5	2.5Y 6/2	0.0	20	11	38	13.0	17.4	30.5	5	22
1102	1.5	2.5Y 6/2	0.4	<5	7	59	18.5	14.1	32.5	5	12
1103	2.5	2.5Y 6/2	0.4	<5	7	50	17.0	13.0	30.0	20	11
1104	3.5	2.5Y 6/4	0.8	<5	8	56	18.6	13.9	32.5	15	12
1105	4.5	5.0Y 4/2	3.2	20	56	110	18.3	13.6	31.8	3	17
1106	5.5	5.0Y 4/1	4.4	30	34	82	18.8	13.3	32.1	3	13
1107	6.5	5.0Y 4/1	3.2	28	28	89	18.0	12.7	30.7	3	13
Hole G:											
1111	0.5	2.5Y 6/2	0.0	<5	3	38	15.8	16.5	32.3	3	13
1112	1.5	2.5Y 6/2	0.8	<5	6	53	16.4	16.0	32.4	10	14
1113	2.5	2.5Y 6/2	4.4	<5	6	73	13.4	11.8	25.2	3	18
1114	3.5	2.5Y 6/4	0.8	<5	5	46	16.5	14.0	30.4	20	21
1115	4.5	5.0Y 4/1	4.8	32	33	120	17.5	14.6	32.1	3	21
1116	5.5	5.0Y 4/1	8.8	<5	47	110	16.4	15.4	31.8	3	12
1117	6.5	5.0Y 4/1	7.2	190	36	120	18.0	14.1	32.1	10	12
Hole H:											
1120	1.0	2.5Y 6/2	0.4	<5	5	36	17.1	14.1	31.2	20	12
1121	2.5	2.5Y 5/2	1.2	13	5	56	17.7	13.5	31.2	3	12
1122	3.5	2.5Y 5/2	0.8	<5	4	65	19.3	13.1	32.4	10	13
1123	4.5	5.0Y 5/2	3.6	<5	14	68	16.9	11.8	28.7	3	14
1124	5.5	5.0Y 5/1	6.0	<10	33	120	17.8	15.2	33.0	10	24
1125	6.5	5.0Y 4/1	6.8	53	38	140	18.2	14.8	33.1	15	17
Hole I:											
1147	0.5	2.5Y 6/2	0.0	93	9	60	12.7	13.2	25.9	5	14
1148	1.5	2.5Y 5/2	0.0	27	7	57	18.6	14.8	33.4	10	14
1149	2.5	2.5Y 5/2	0.0	<13	7	74	18.0	13.5	31.5	15	12
1150	3.5	2.5Y 5/2	0.0	100	13	64	16.5	13.6	30.1	3	14
1151	4.5	5.0Y 4/1	5.2	<13	45	120	17.9	14.7	32.6	5	14
1152	5.5	5.0Y 5/1	4.8	58	38	120	17.6	15.1	32.7	5	14
1153	6.5	5.0Y 4/1	3.2	31	37	110	18.6	14.6	33.2	10	14

Geochemistry of Soil Profiles: C Horizon/Parent Material Transition

Sample	Depth m	Munsell Colour	Nonmagnetic Heavy Mineral Concentrate				<0.063mm Fraction			<0.002mm Fraction	
			Sulphide %	Gold ppb	Arsenic ppm	Cobalt ppm	Calcite %	Dolomite %	Total %	Arsenic ppm	Cobalt ppm
Hole J:											
1189	1.3	2.5Y 6/2	0.0	230	14	30	15.5	16.8	32.3	3	10
1190	2.5	2.5Y 5/2	1.6	27	495	38	18.8	16.6	35.4	3	12
1191	3.3	2.5Y 5/2	1.2	<5	6	74	17.0	14.6	31.7	5	17
1192	4.0	5.0Y 4/1	5.6	270	48	120	20.8	13.9	34.7	10	15
1193	5.0	5.0Y 4/1	6.8	<5	51	140	20.6	14.4	35.0	5	8
1194	6.0	5.0Y 4/1	7.2	<5	55	120	19.7	14.8	34.5	3	19
Hole K:											
1224	1.0	2.5Y 5/2	0.0	<13	<5	34	12.3	17.6	29.9	15	12
1225	2.0	2.5Y 6/2	0.0	<14	6	44	17.6	14.8	32.4	10	11
1226	3.0	5.0Y 4/1	0.0	<5	22	54	17.9	14.6	32.5	10	14
1227	4.0	5.0Y 4/1	8.4	<14	97	110	18.3	13.9	32.2	10	13
1228	5.0	5.0Y 4/1	6.4	36	161	130	17.1	15.3	32.4	3	16
Hole L:											
1240	0.5	2.5Y 6/2	0.0	97	13	62	16.8	16.2	33.0	3	14
1241	1.5	2.5Y 5/2	0.8	<12	18	65	17.9	15.4	33.3	3	14
1242	2.5	2.5Y 5/2	2.0	<12	4	57	18.0	15.2	33.2	3	14
1243	3.5	2.5Y 5/2	0.0	<14	5	51	17.4	17.2	34.6	5	14
1244	4.5	5.0Y 5/2	2.8	<14	32	100	17.7	17.2	34.9	3	13
1245	5.5	5.0Y 5/1	8.0	29	38	90	17.8	17.8	35.6	3	14
1246	6.5	5.0Y 4/1	5.2	<11	43	110	19.5	17.0	36.5	3	14
Hole M:											
1266	0.5	2.5Y 5/2	0.0	26	8	50	16.9	17.2	34.1	3	22
1267	1.5	2.5Y 5/2	0.0	130	8	34	18.0	17.5	35.5	5	14
1268	2.5	5.0Y 4/1	5.6	<10	28	130	18.3	16.0	34.2	3	12
1269	3.5	5.0Y 4/1	4.0	19	47	96	18.8	16.8	35.6	3	17
1270	4.5	5.0Y 4/1	10.0	<13	39	100	20.2	16.0	36.2	3	17
Hole N:											
1289	0.5	2.5Y 6/4	0.0	83	7	39	13.9	18.0	31.9	3	14
1290	1.5	2.5Y 6/2	0.4	<17	10	55	18.2	16.7	34.9	3	11
1291	2.5	2.5Y 5/2	0.0	100	<6	44	17.5	15.6	33.1	5	14
1292	3.5	2.5Y 5/2	2.4	64	11	64	18.8	15.7	34.5	5	13
1293	4.5	5.0Y 4/1	6.4	95	58	110	17.6	16.5	34.1	3	13
1294	5.5	5.0Y 4/1	7.2	30	51	120	19.7	15.7	35.3	3	14
1295	6.5	5.0Y 4/1	7.2	42	60	160	21.6	14.7	36.4	3	13
Hole O:											
8068	1.0	2.5Y 6/2	0.0	<5	3	34	10.4	17.6	28.0	25	23
8069	2.0	2.5Y 5/2	0.0	80	7	48	15.0	15.2	30.2	10	24
8070	3.3	2.5Y 5/2	2.0	430	11	48	15.8	17.2	33.0	3	23
8071	4.5	5.0Y 5/1	5.6	<10	32	140	12.0	14.2	26.2	5	20
8072	5.5	5.0Y 4/1	4.4	46	33	120	15.0	15.8	30.8	10	17
8073	6.5	5.0Y 5/1	7.6	71	39	120	15.8	17.2	33.0	20	16
Hole P:											
8104	1.0	2.5Y 6/2	1.2	<5	6	39	8.0	17.0	25.0	10	23
8105	2.0	2.5Y 5/2	0.0	<5	9	56	15.0	14.0	29.0	3	21
8106	3.0	2.5Y 5/2	0.0	<10	4	39	14.4	16.4	30.8	10	24
8107	4.0	2.5Y 5/2	0.8	90	6	75	12.6	13.2	25.8	3	24
8108	5.0	5.0Y 5/1	3.6	<10	30	120	16.4	15.4	31.8	5	17
8109	6.0	5.0Y 4/1	7.2	1260	34	110	15.4	17.6	33.0	15	20
8110	7.0	5.0Y 4/1	5.2	<12	45	130	14.4	18.4	32.8	3	19
Hole S:											
8152	2.0	2.5Y 6/2	0.0	<5	16	42	27.6	7.6	35.2	5	16
8153	3.0	2.5Y 6/2	0.0	270	7	45	16.4	17.0	33.4	3	18
8154	4.0	2.5Y 6/2	0.0	<11	9	58	16.4	19.6	36.0	10	17
8155	5.0	5.0Y 5/1	8.4	843	35	100	19.6	16.4	36.0	3	15
8156	6.0	5.0Y 5/1	4.0	<11	37	88	21.6	12.2	33.8	5	14
8157	7.0	5.0Y 5/1	4.4	14	46	110	16.4	20.8	37.2	3	15



- + Unoxidized Local Till; n=36
- * Unoxidized Exotic Till; n=306
- □ Oxidized Local Till; n=175
- × Oxidized Exotic Till; n=363

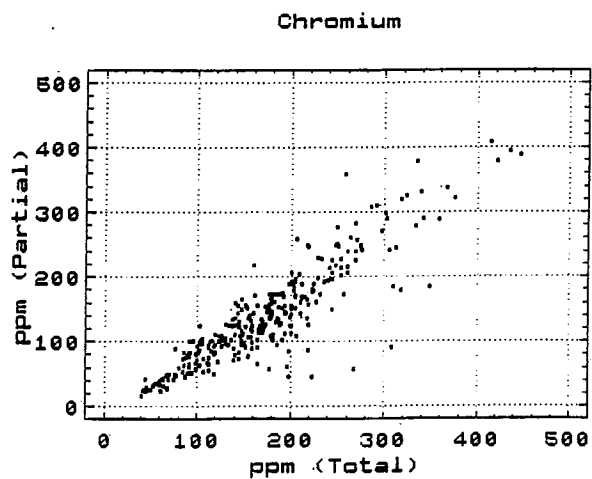
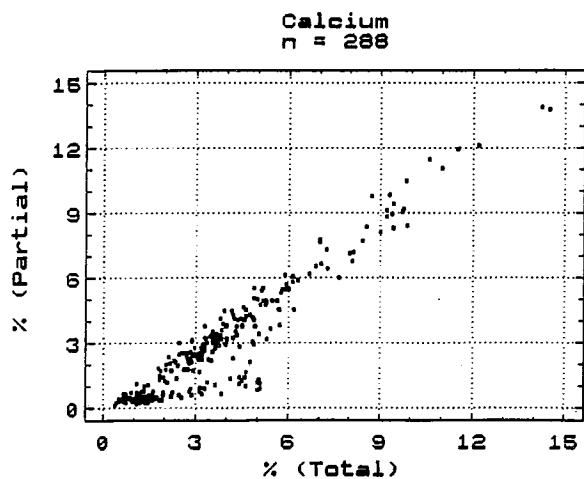
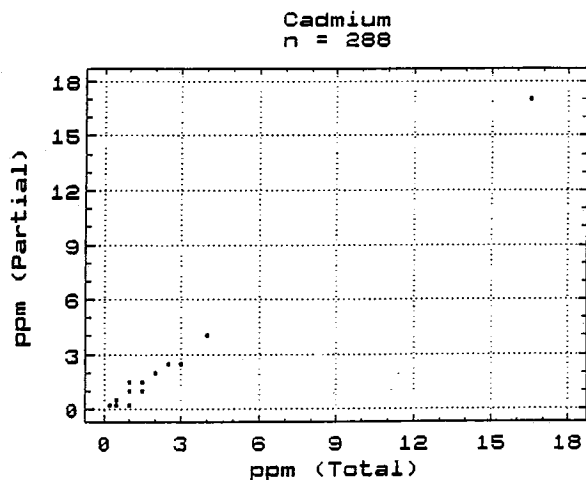
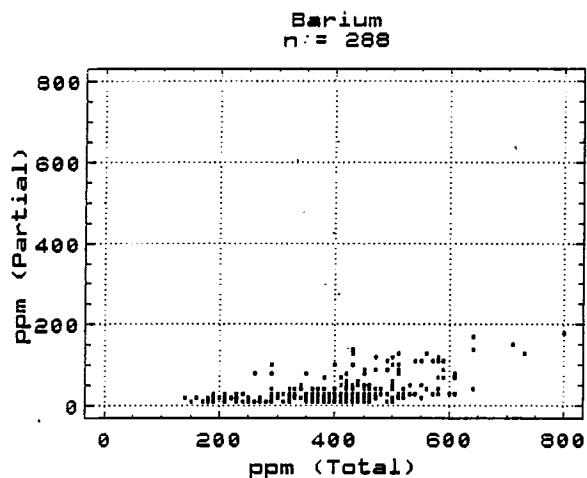
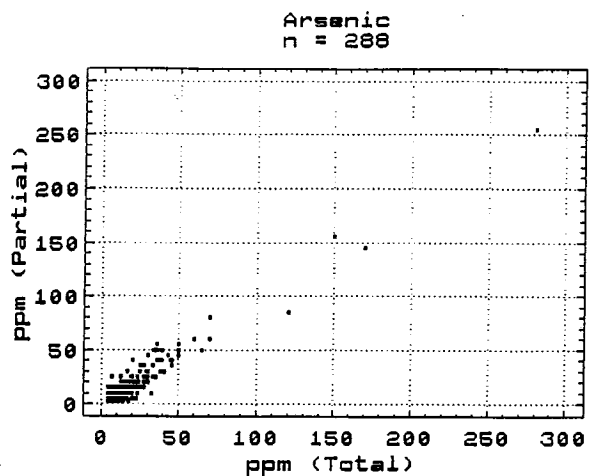
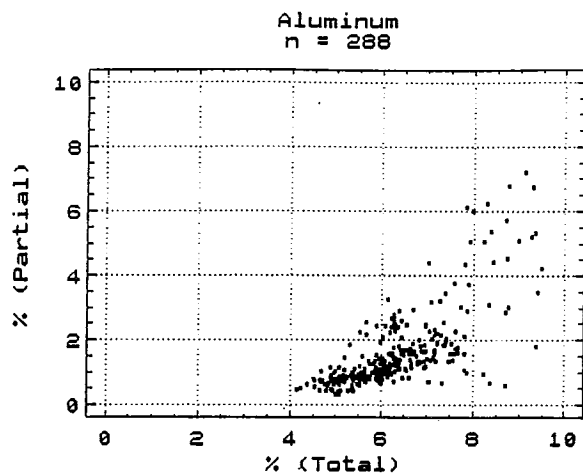
Local = <15% Paleozoic (5.6-16mm)

Oxidized = Pit sample or 2.5Y colour in drill hole

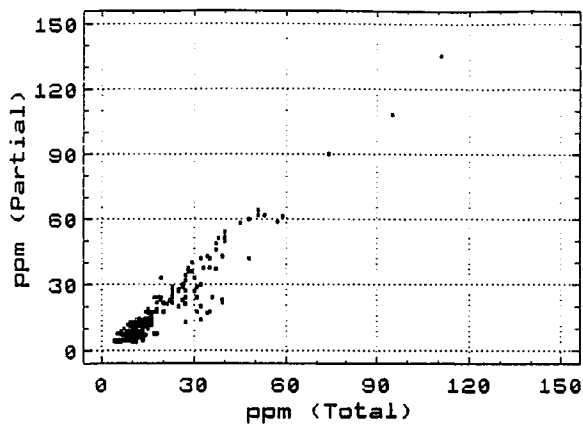
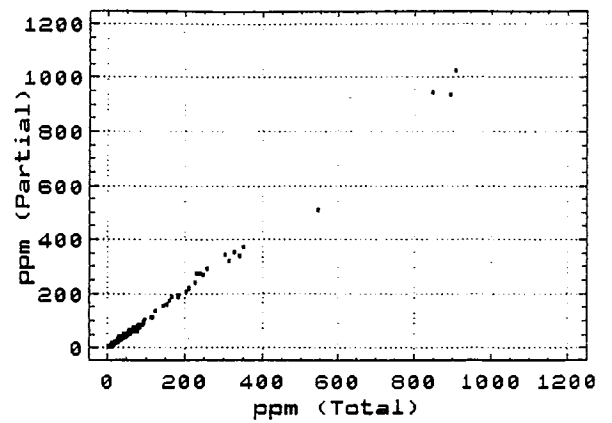
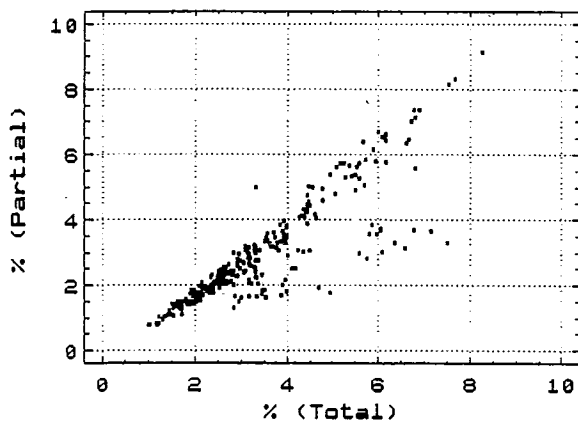
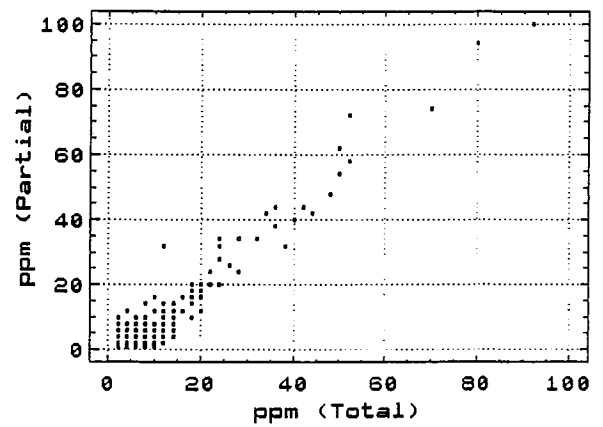
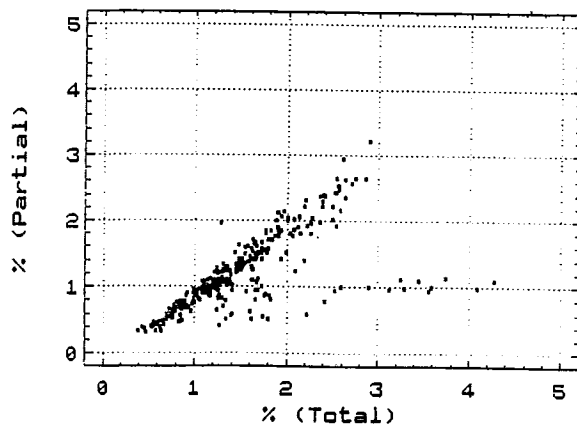
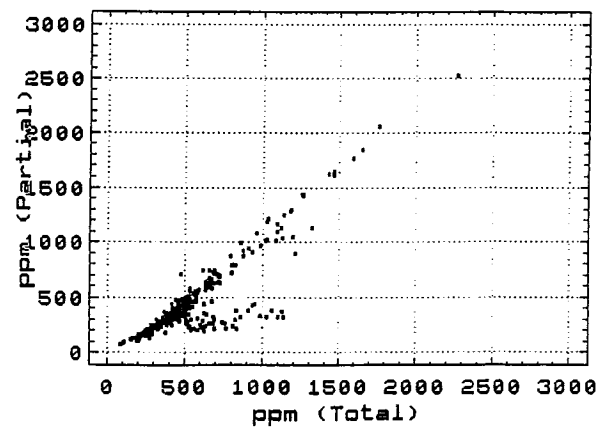
Appendix 19

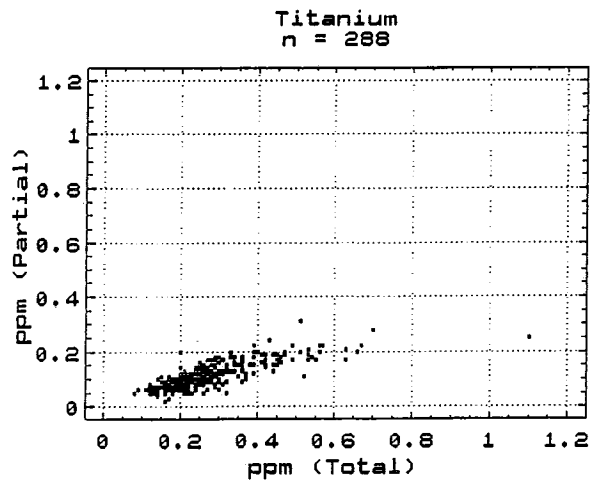
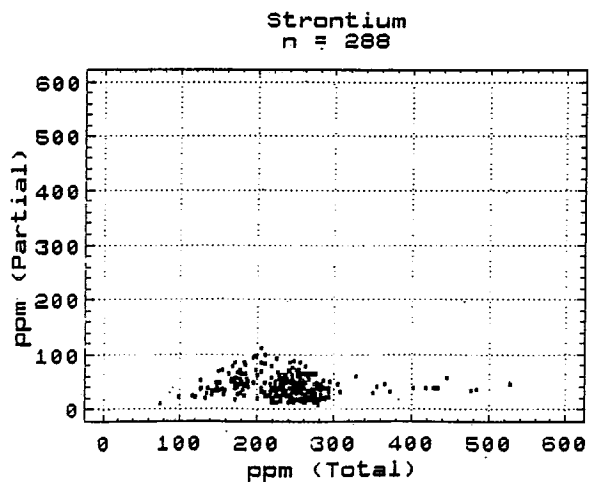
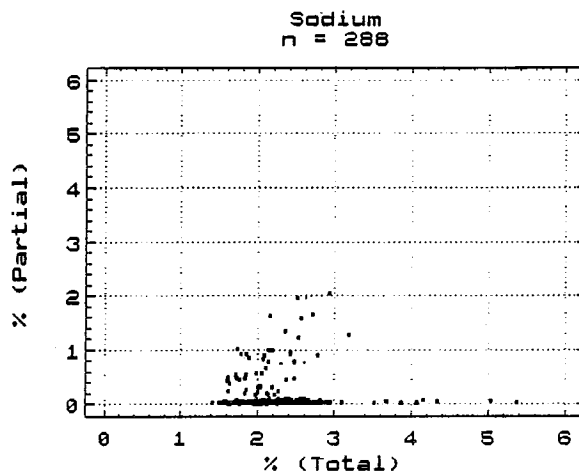
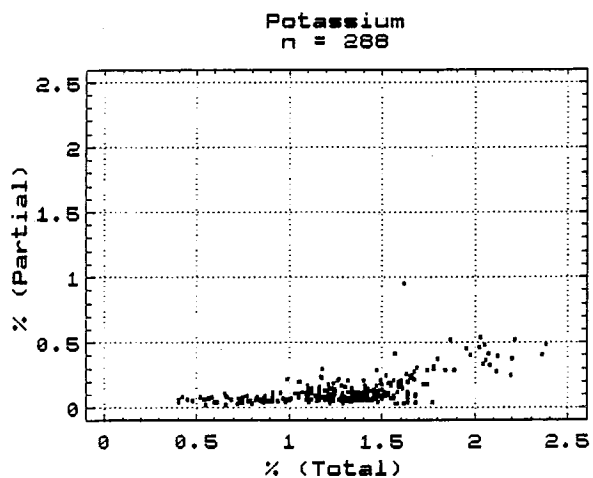
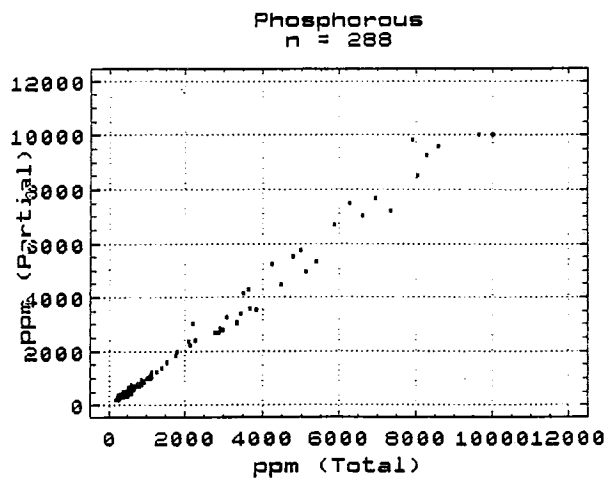
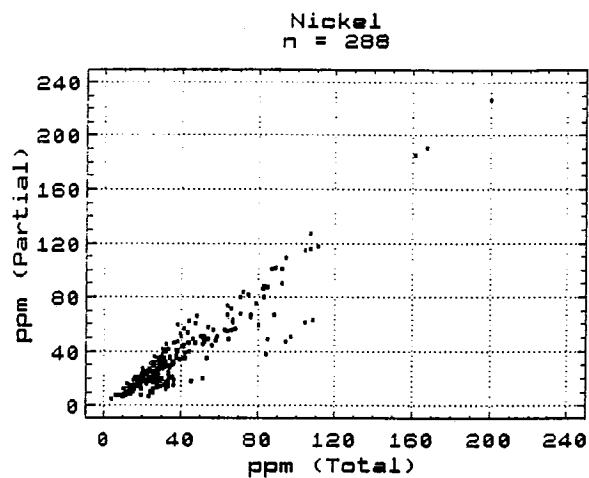
Comparison of Partial and Total Extractions

See Appendix 15 for raw data, fractions, and methods.

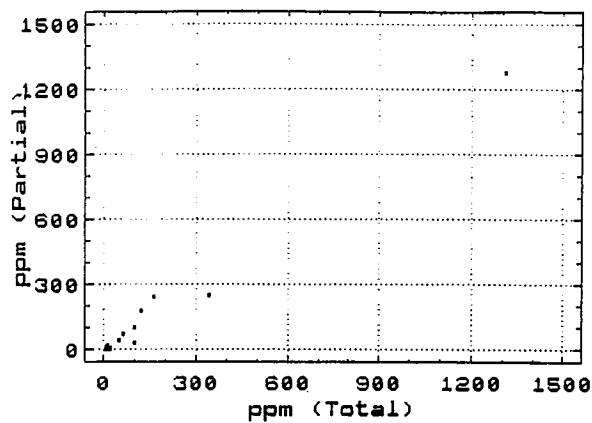


Cobalt

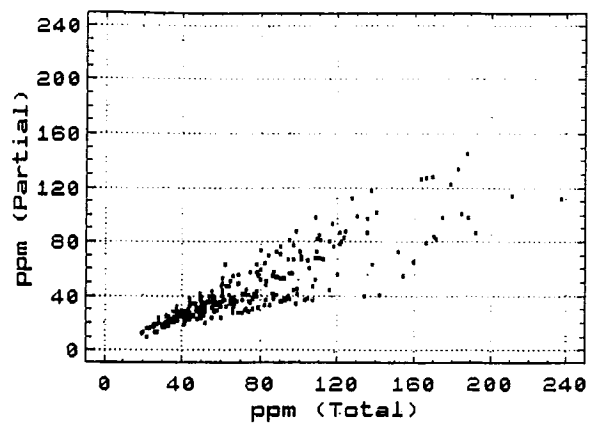
Copper
n = 288Iron
n = 288Lead
n = 288Magnesium
n = 288Manganese
n = 288



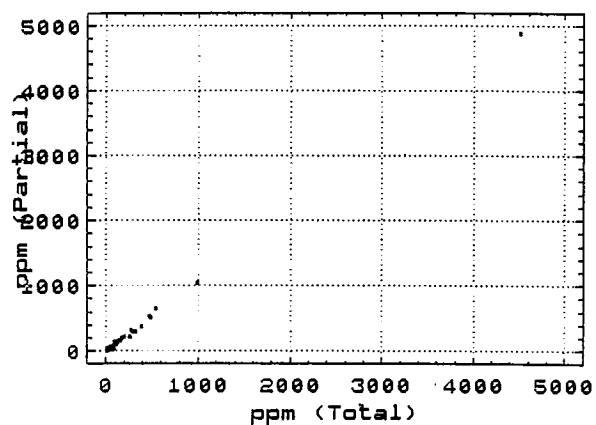
Tungsten
n = 288



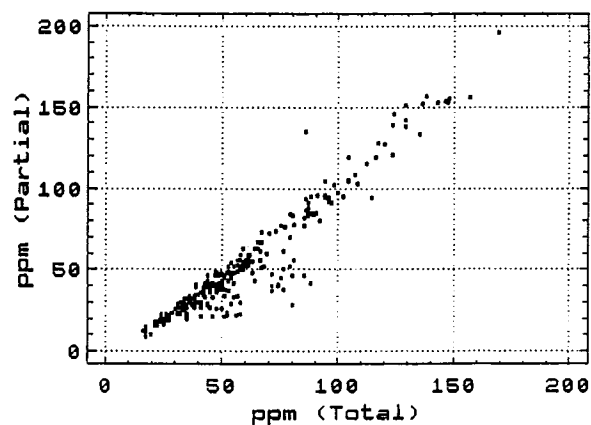
Vanadium
n = 288



Zinc
n = 288

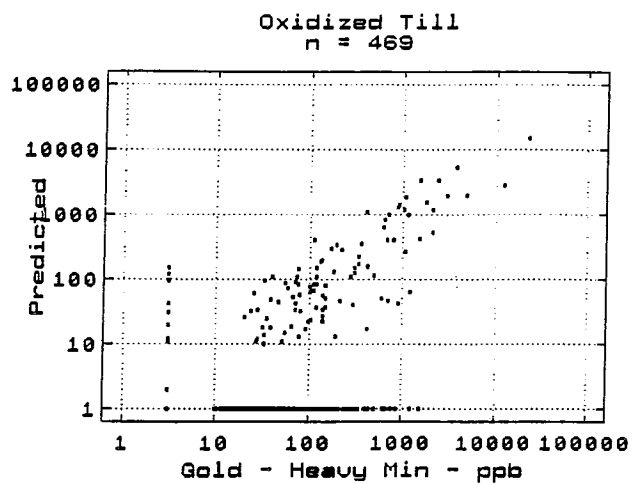
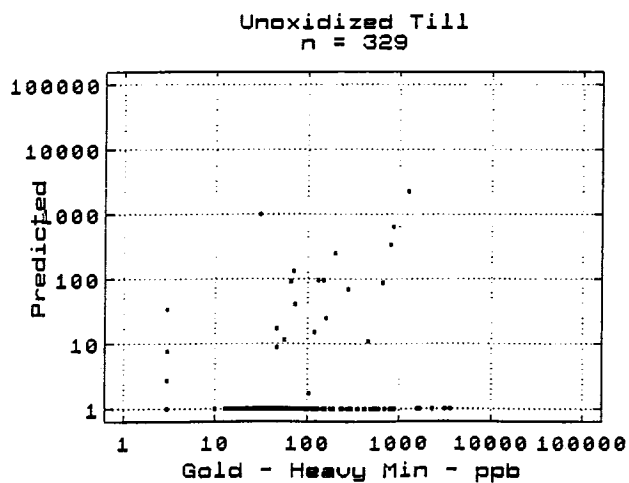
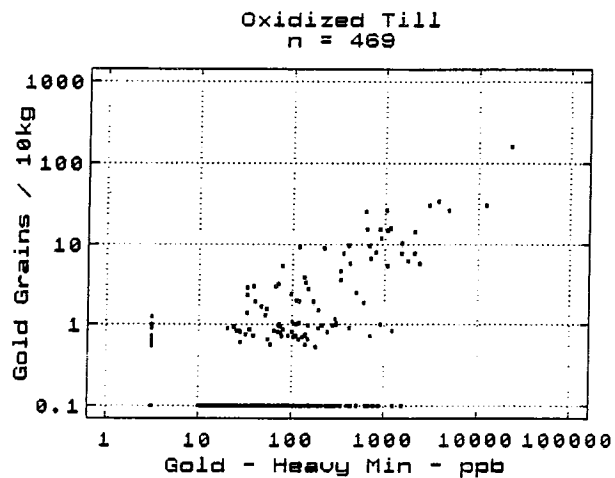
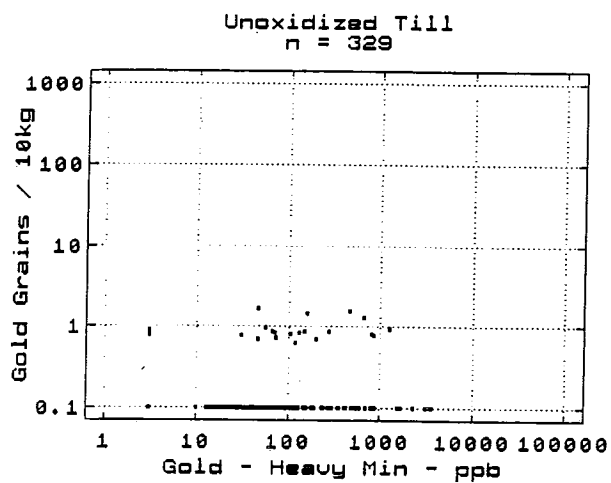
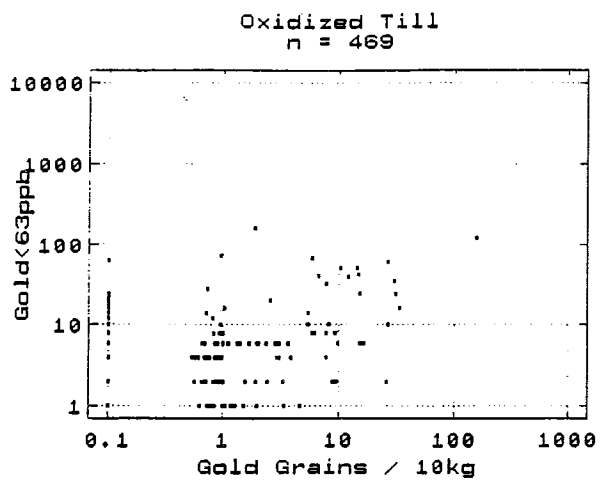
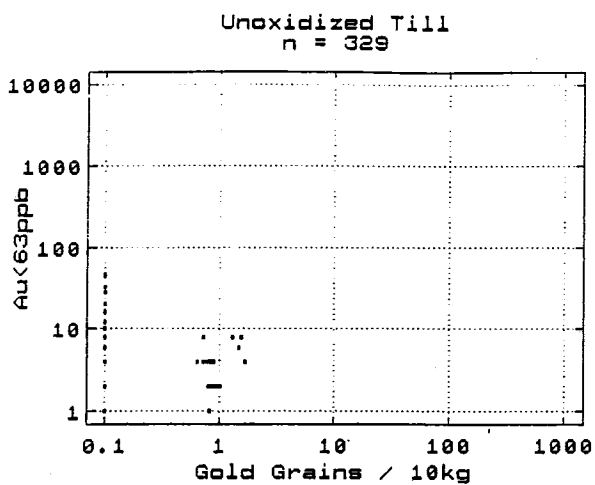


Zinc
n = 288

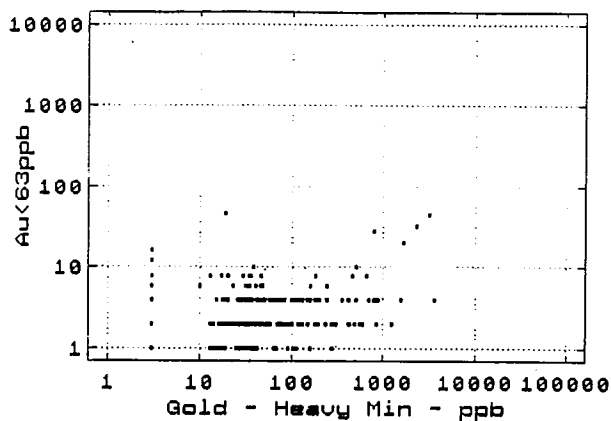


Appendix 20

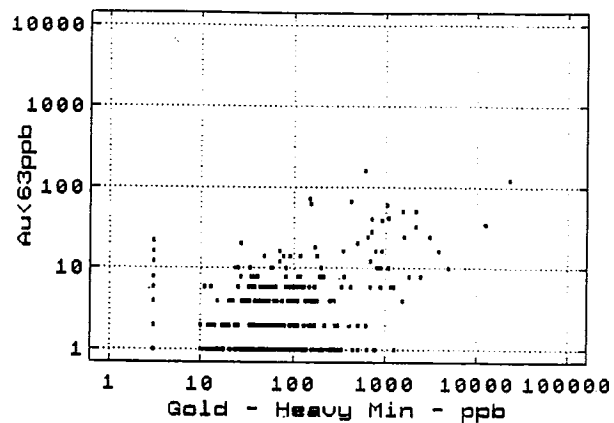
Scatterplots of Gold-Related Variables



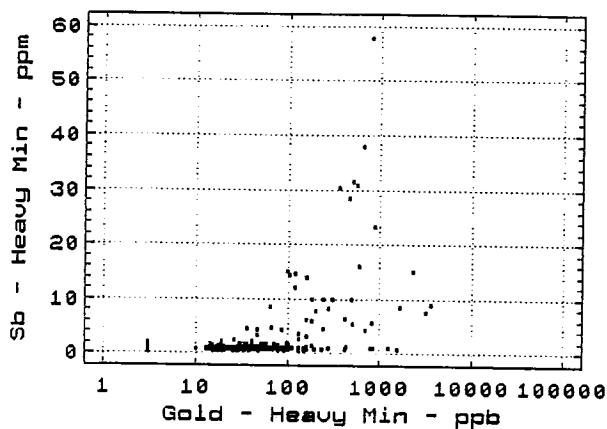
Unoxidized Till
n = 329



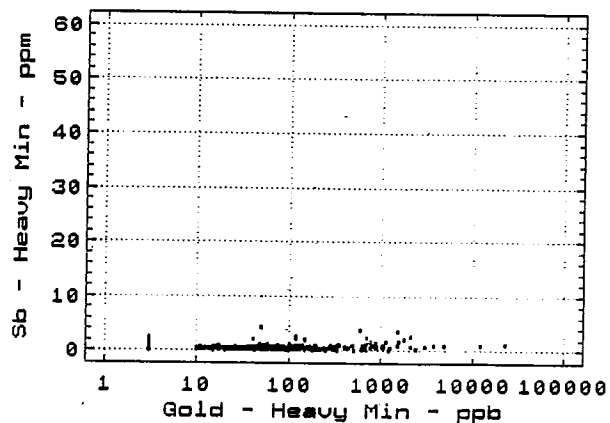
Oxidized Till
n = 469



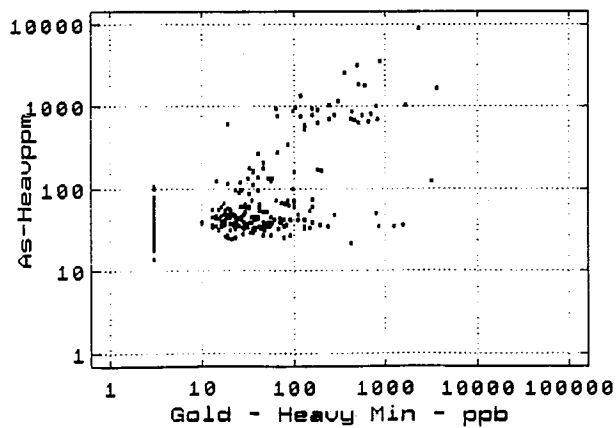
Unoxidized Till
n = 329



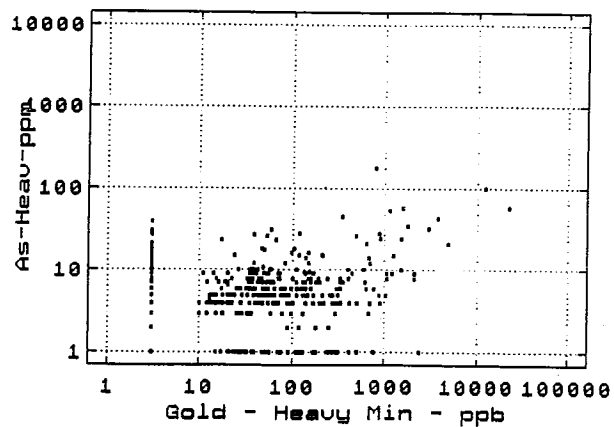
Oxidized Till
n = 469

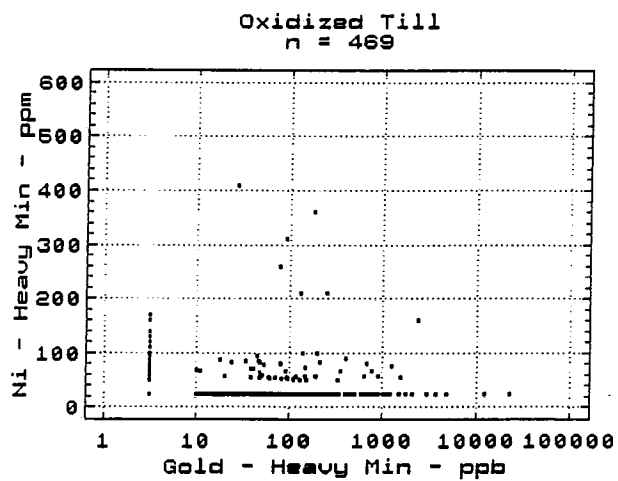
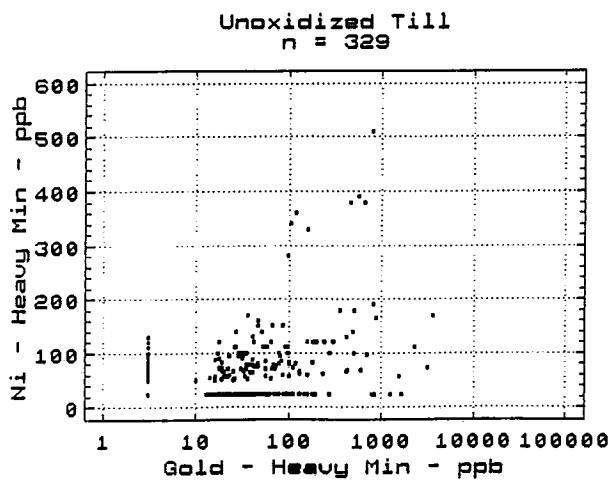
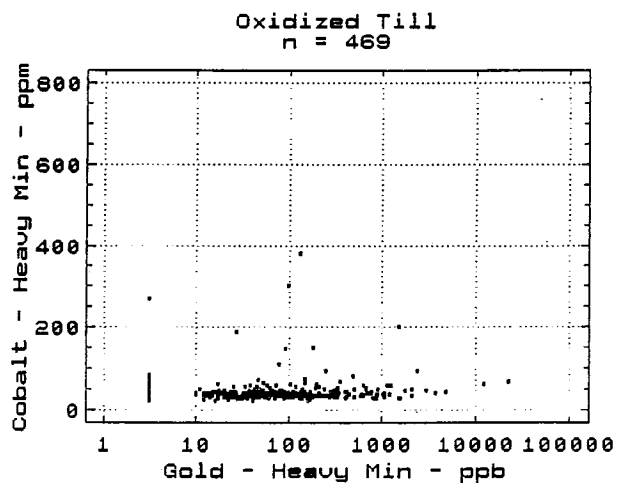
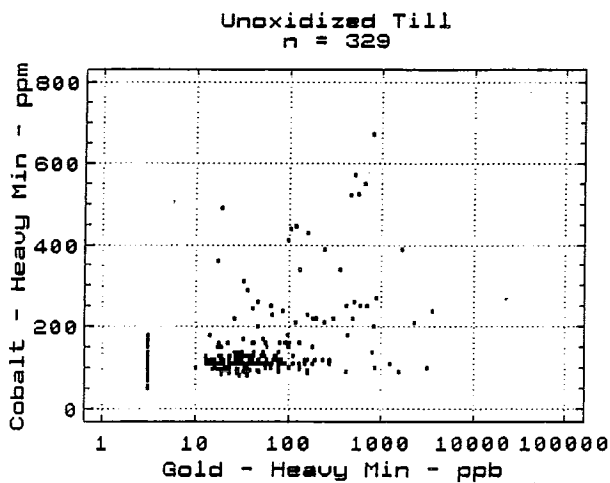
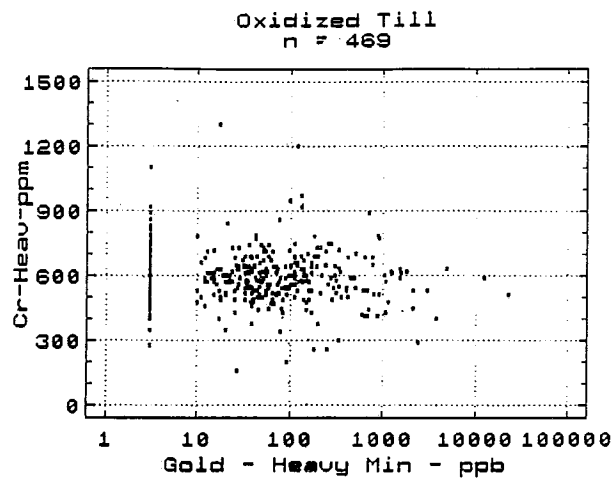
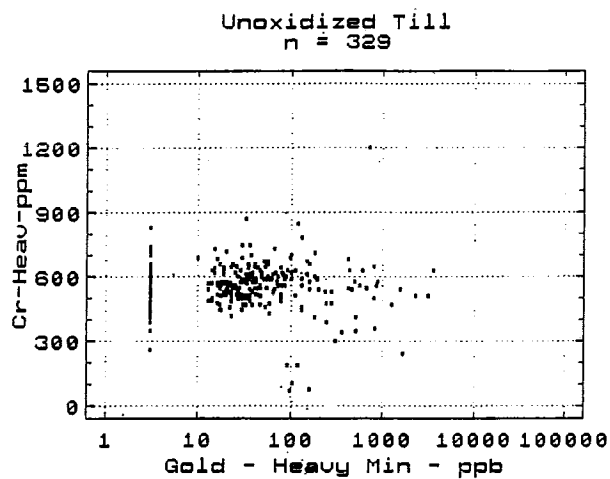


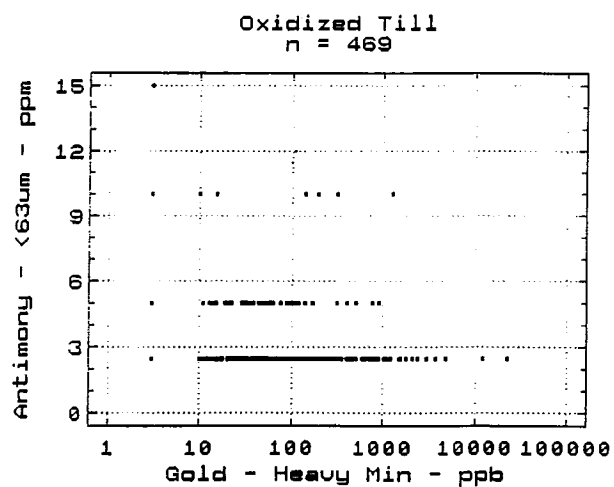
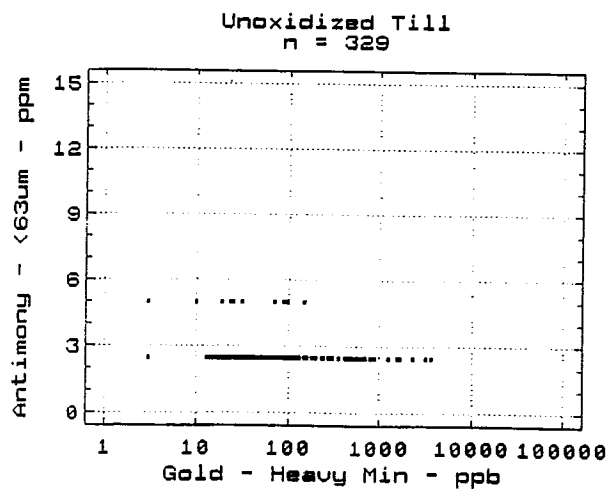
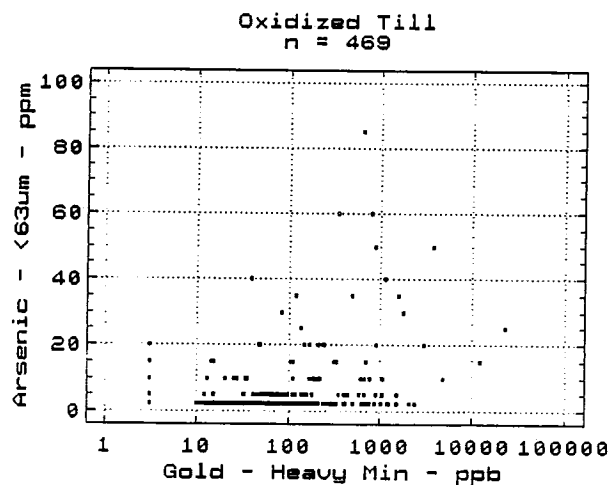
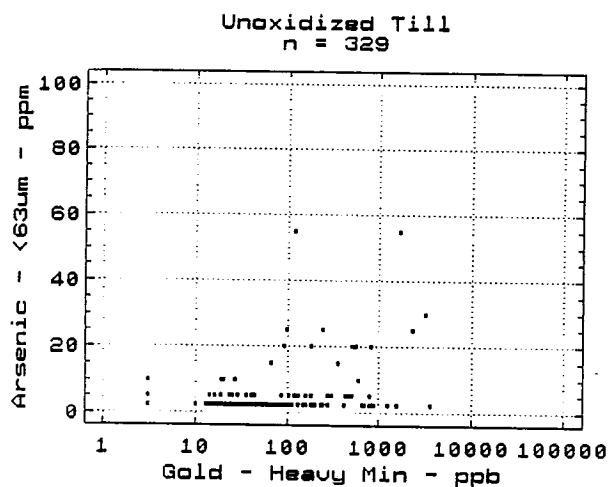
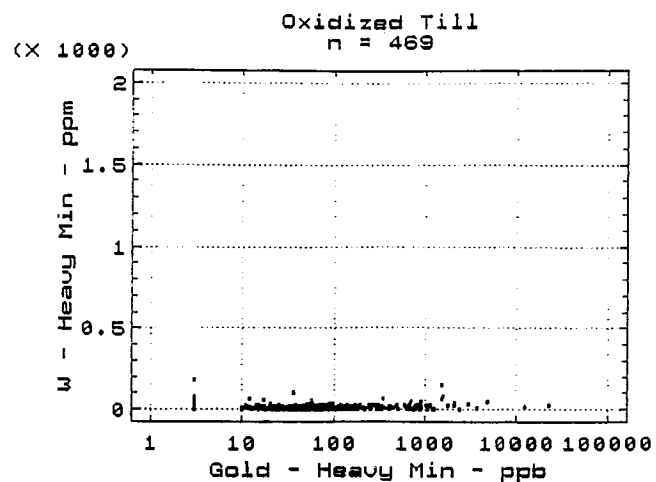
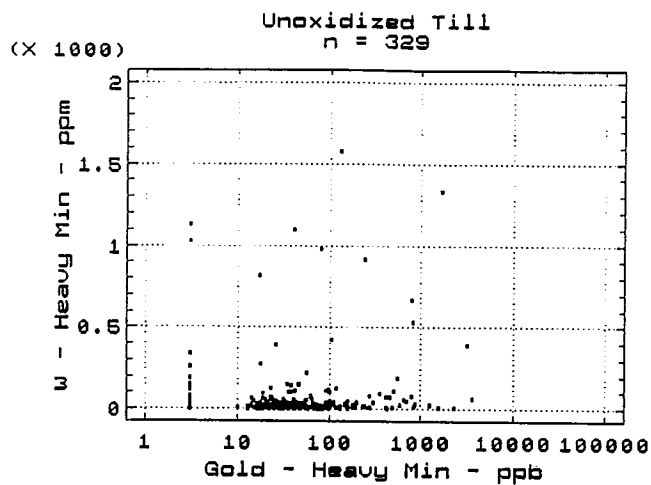
Unoxidized Till
n = 329



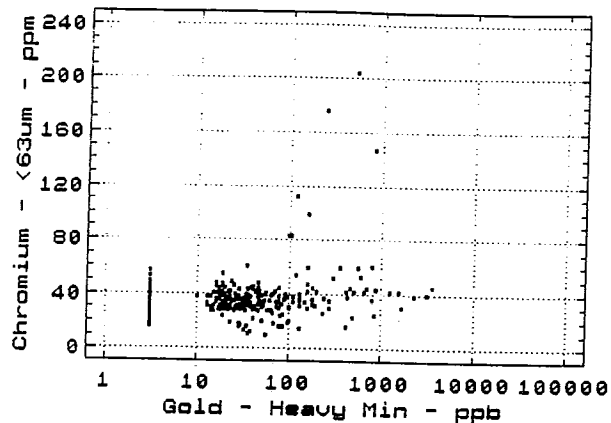
Oxidized Till
n = 469



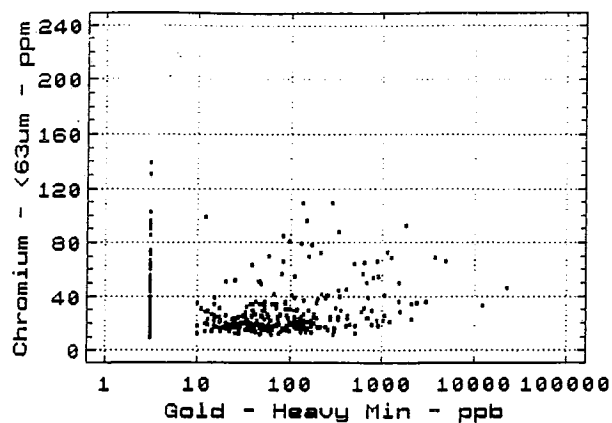




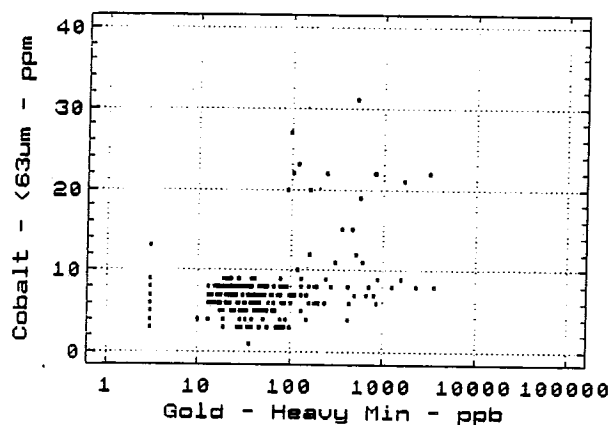
Unoxidized Till
n = 329



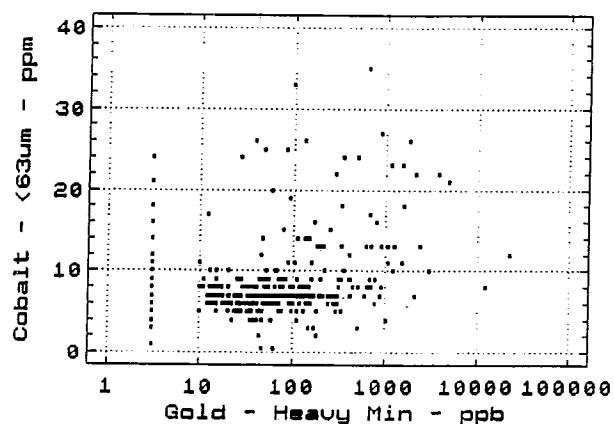
Oxidized Till
n = 469



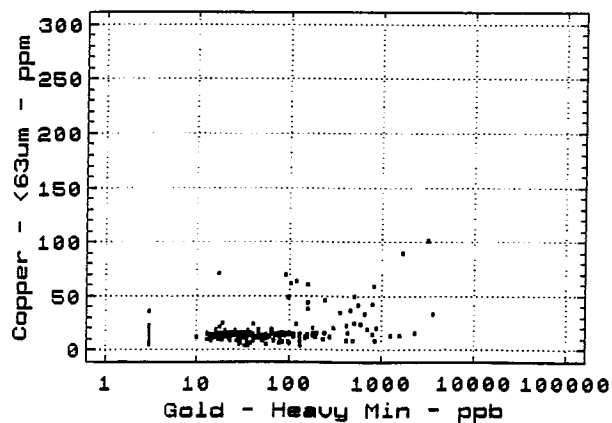
Unoxidized Till
n = 329



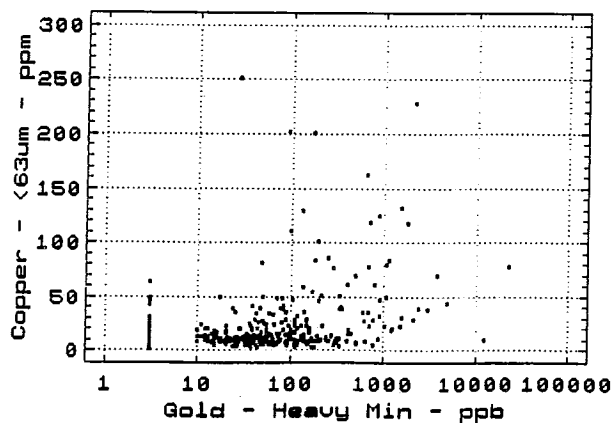
Oxidized Till
n = 469



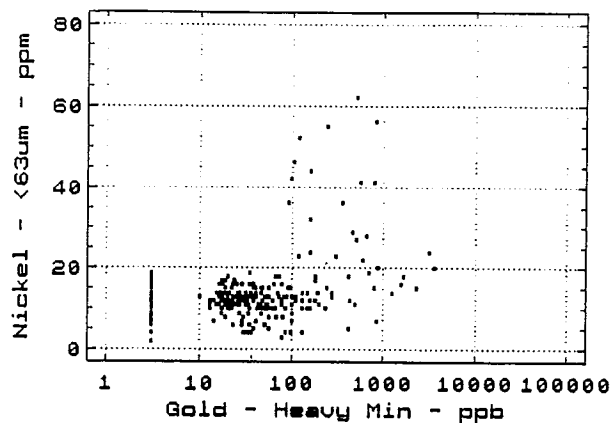
Unoxidized Till
n = 329



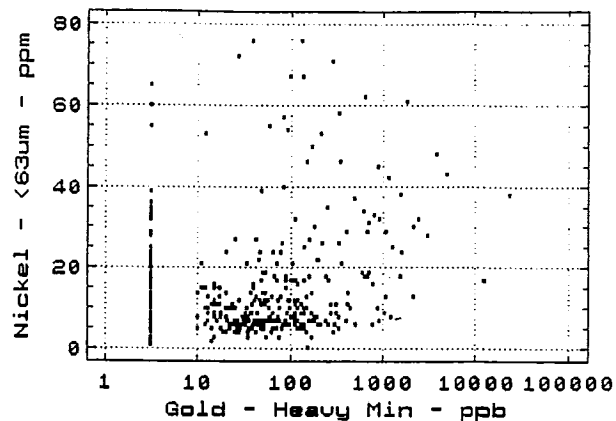
Oxidized Till
n = 469



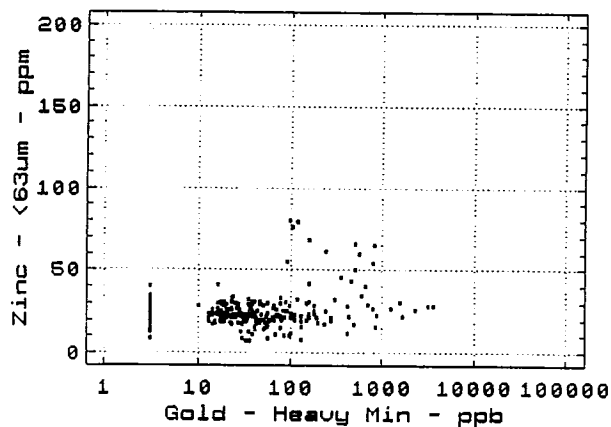
Unoxidized Till
n = 329



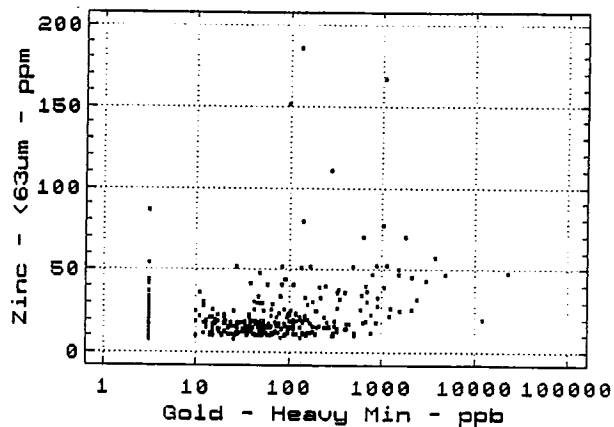
Oxidized Till
n = 469



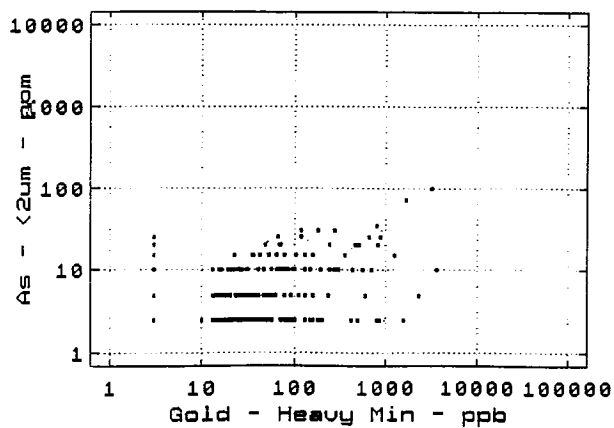
Unoxidized Till
n = 329



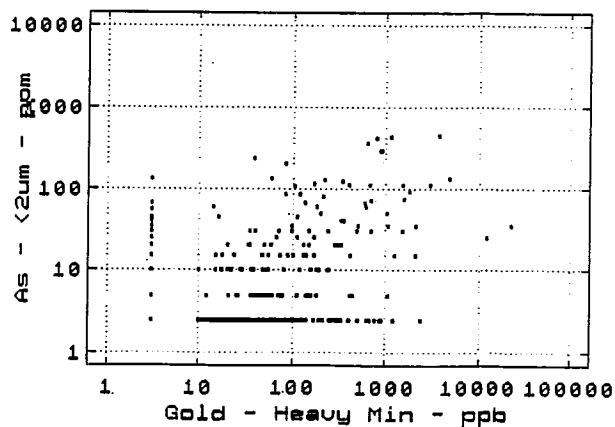
Oxidized Till
n = 469

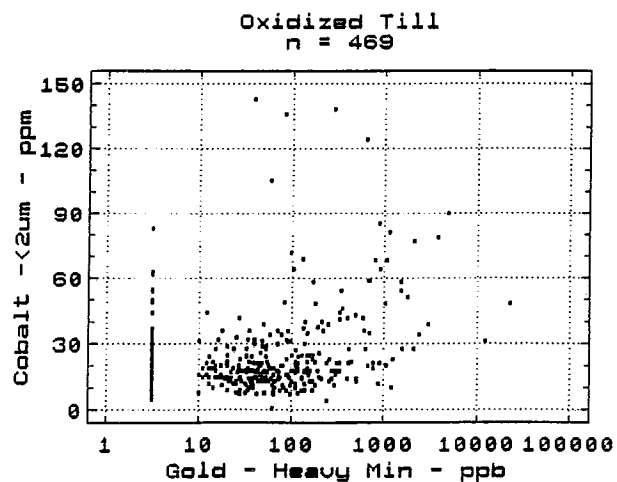
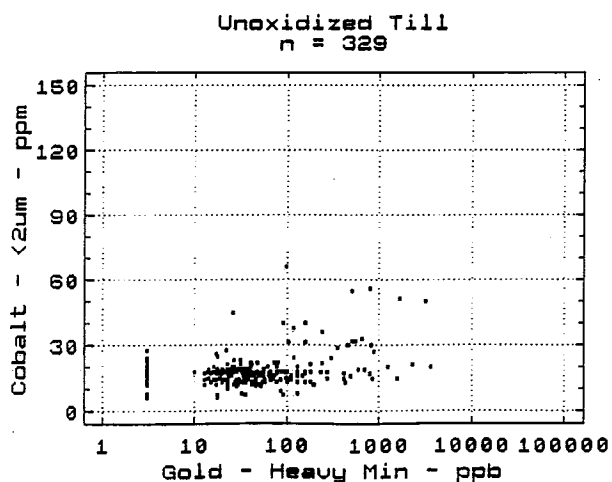
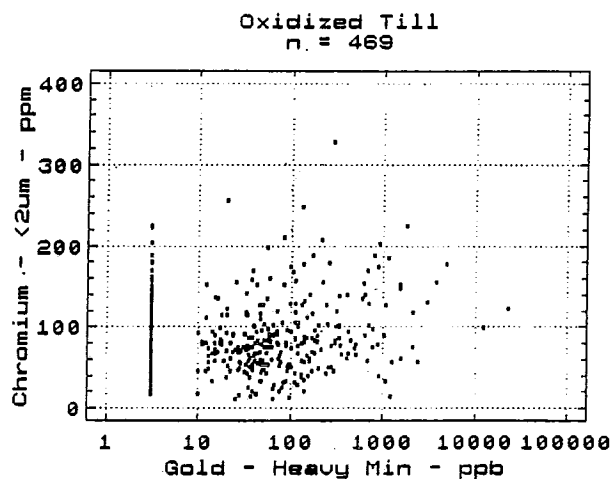
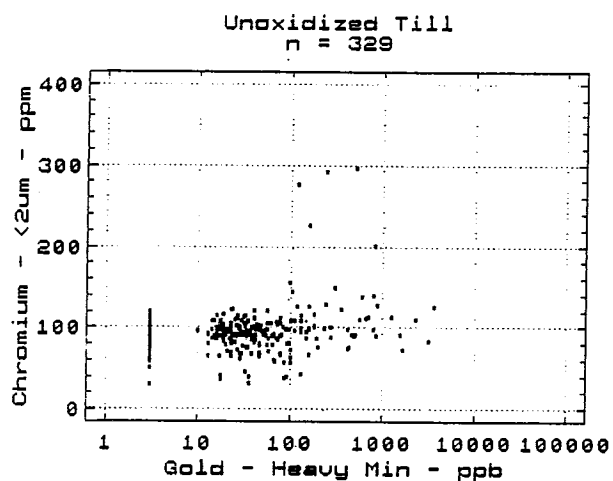
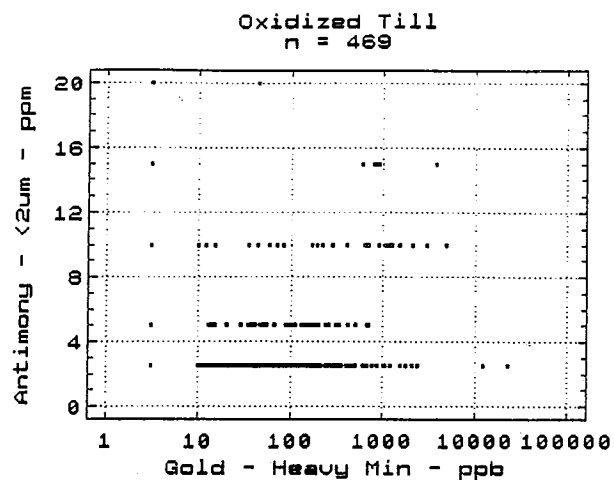
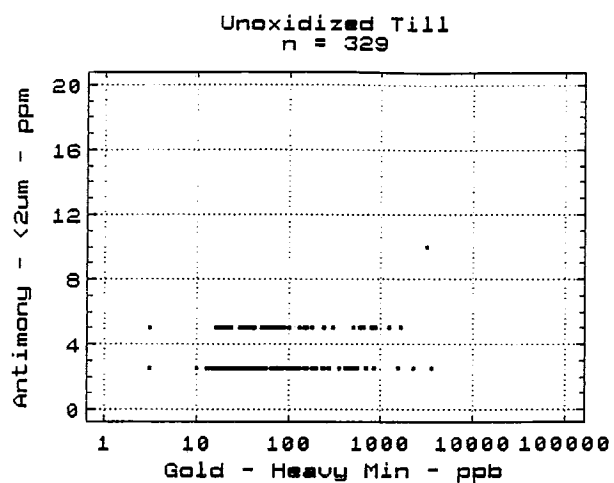


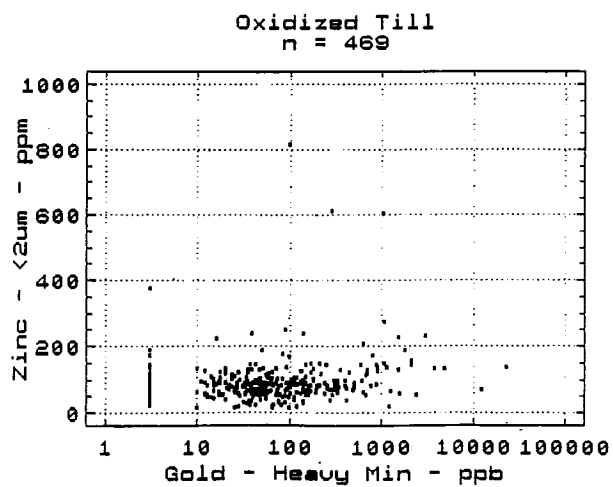
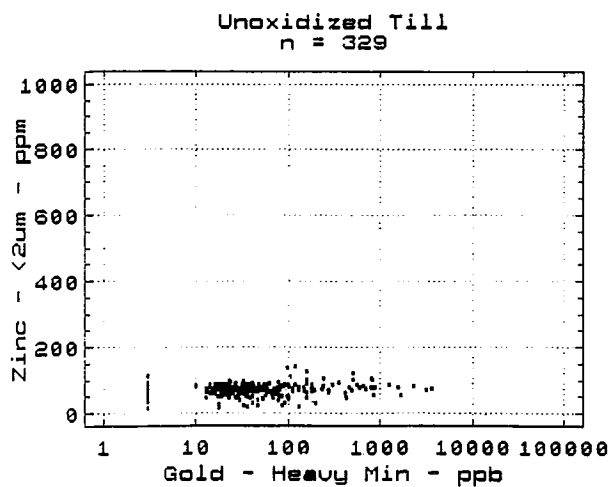
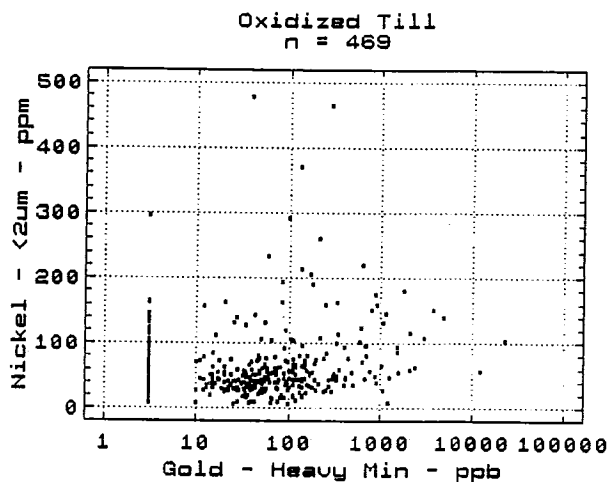
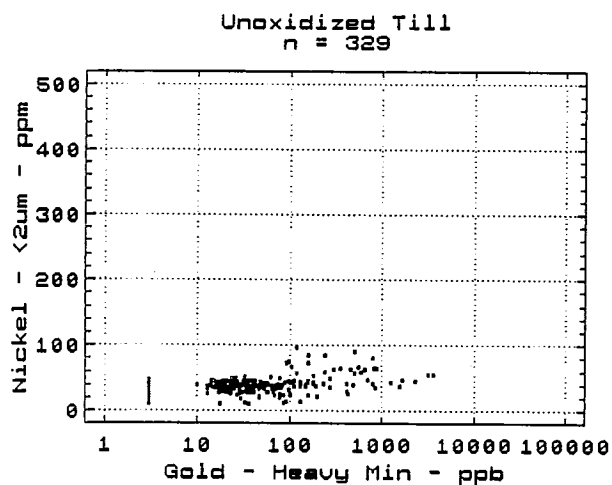
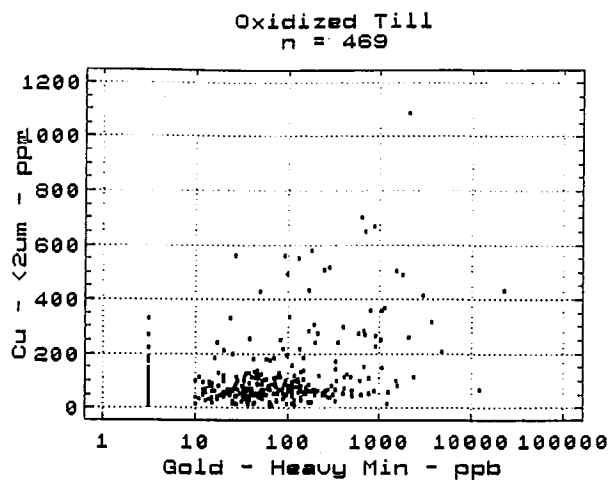
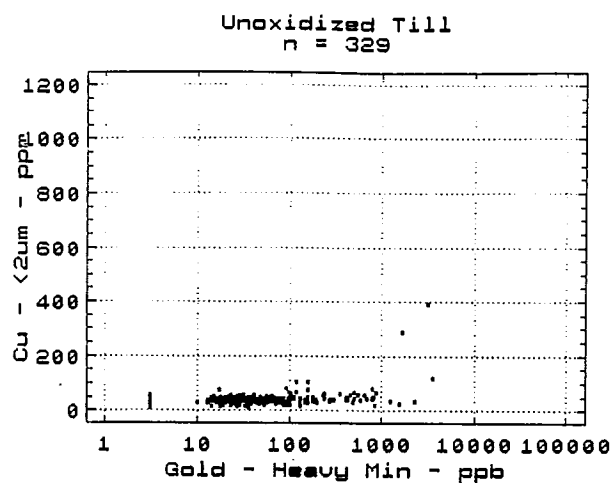
Unoxidized Till
n = 329



Oxidized Till
n = 469







Oxidized Till; n = 469.

Correlation Matrix	Gold Heavy	Gold <63um	Gold Grains	Predicted Assay
Gold in Nonmagnetic Heavy Mineral Concentrate	1.00	0.51	0.92	0.91
Gold in <0.063mm fraction	0.51	1.00	0.54	0.48
Visible Gold Grains per 10kg	0.92	0.54	1.00	0.94
Predicted Heavy Mineral Assay	0.91	0.48	0.94	1.00

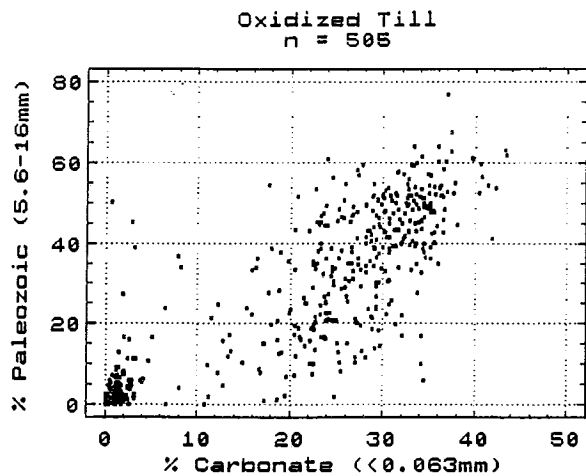
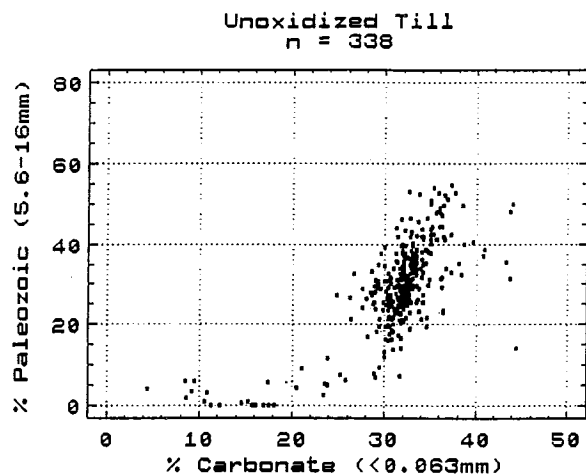
Correlation Matrix	AuH	Au6	AsH	CoH	CrH	NiH	SbH	WH
Gold in Heavy Min	1.00	0.51	0.43	0.08	-0.06	-0.02	0.17	0.00
Gold in <0.063mm	0.51	1.00	0.23	0.10	-0.15	0.05	0.44	0.01
Arsenic in Heavy Min	0.43	0.23	1.00	0.10	-0.03	-0.02	0.32	-0.03
Cobalt in Heavy Min	0.08	0.10	0.10	1.00	0.02	0.53	0.15	0.02
Chromium in Heavy Min	-0.06	-0.15	-0.03	0.02	1.00	-0.28	0.06	-0.06
Nickel in Heavy Min	-0.02	0.05	-0.02	0.53	-0.28	1.00	-0.05	0.00
Antimony in Heavy Min	0.17	0.44	0.32	0.15	0.06	-0.05	1.00	0.06
Tungsten in Heavy Min	0.00	0.01	-0.03	0.02	-0.06	0.00	0.06	1.00

Correlation Matrix	AuH	Au63	As63	Co63	Cr63	Cu63	Ni63	Sb63	Zn63
Gold in Heavy Min	1.00	0.51	0.23	0.16	0.11	0.19	0.18	-0.04	0.05
Gold in <0.063mm	0.51	1.00	0.19	0.18	0.08	0.31	0.19	-0.08	0.13
Arsenic in <0.063mm	0.23	0.19	1.00	0.59	0.40	0.39	0.50	-0.02	0.10
Cobalt in <0.063mm	0.16	0.18	0.59	1.00	0.70	0.71	0.86	-0.00	0.23
Chromium in <0.063mm	0.11	0.08	0.40	0.70	1.00	0.39	0.86	-0.04	0.18
Copper in <0.063mm	0.19	0.31	0.39	0.71	0.39	1.00	0.66	-0.08	0.49
Nickel in <0.063mm	0.18	0.19	0.50	0.86	0.86	0.66	1.00	-0.12	0.24
Antimony in <0.063mm	-0.04	-0.08	-0.02	-0.00	-0.04	-0.08	-0.12	1.00	-0.04
Zinc in <0.063mm	0.05	0.13	0.10	0.23	0.18	0.49	0.24	-0.04	1.00

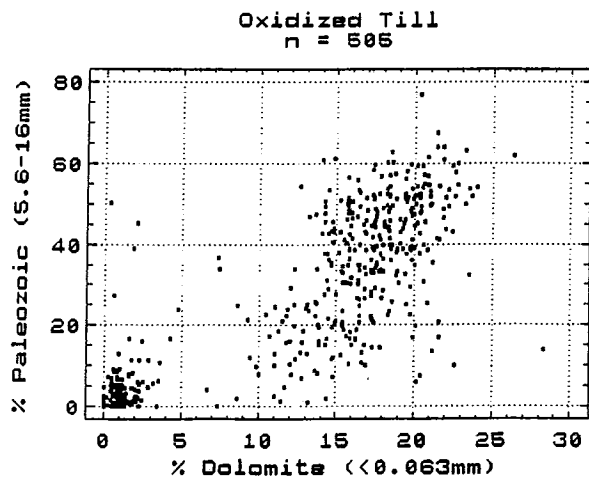
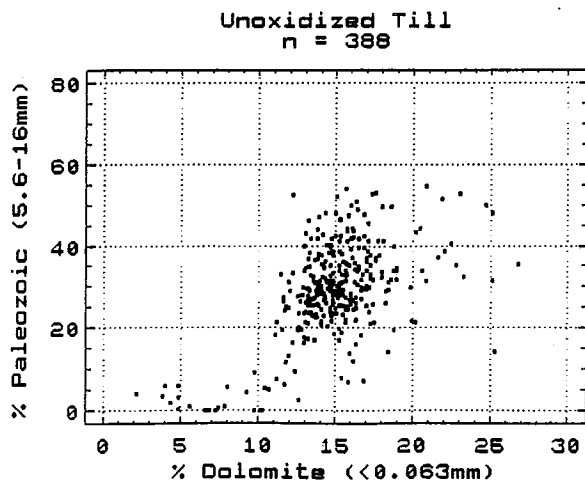
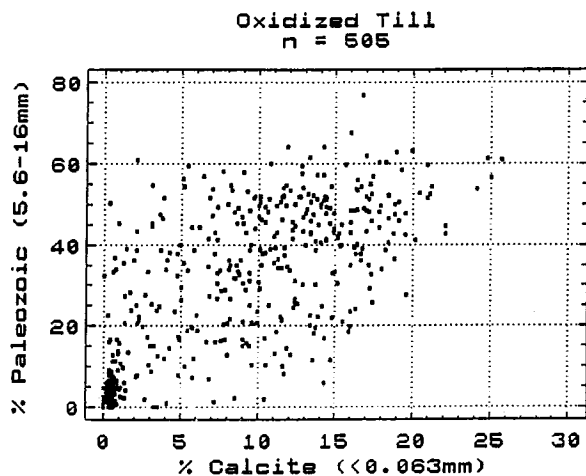
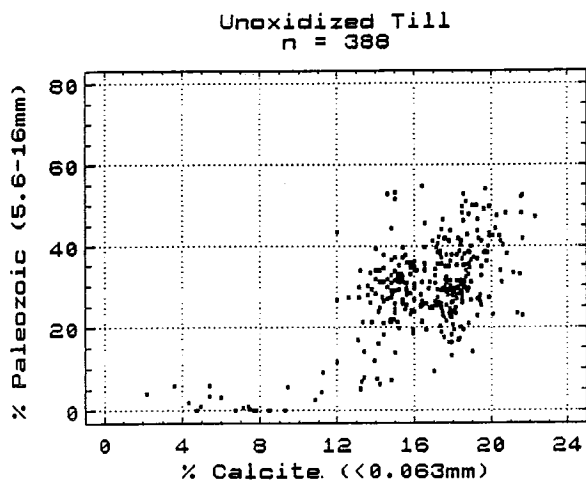
Correlation Matrix	AuH	Au63	As2	Co2	Cr2	Cu2	Ni2	Sb2	Zn2
Gold in Heavy Min	1.00	0.51	0.17	0.19	0.10	0.25	0.10	0.09	0.04
Gold in <0.063mm	0.51	1.00	0.18	0.23	0.08	0.37	0.11	0.20	0.12
Arsenic in <0.002mm	0.17	0.18	1.00	0.67	0.42	0.46	0.47	0.54	0.10
Cobalt in <0.002mm	0.19	0.23	0.67	1.00	0.66	0.66	0.84	0.47	0.26
Chromium in <0.002mm	0.10	0.08	0.42	0.66	1.00	0.44	0.80	0.35	0.26
Copper in <0.002mm	0.25	0.37	0.46	0.66	0.44	1.00	0.63	0.35	0.41
Nickel in <0.002mm	0.10	0.11	0.47	0.84	0.80	0.63	1.00	0.32	0.35
Antimony in <0.002mm	0.09	0.20	0.54	0.47	0.35	0.35	0.32	1.00	0.09
Zinc in <0.002mm	0.04	0.12	0.10	0.26	0.26	0.41	0.35	0.09	1.00

Appendix 21

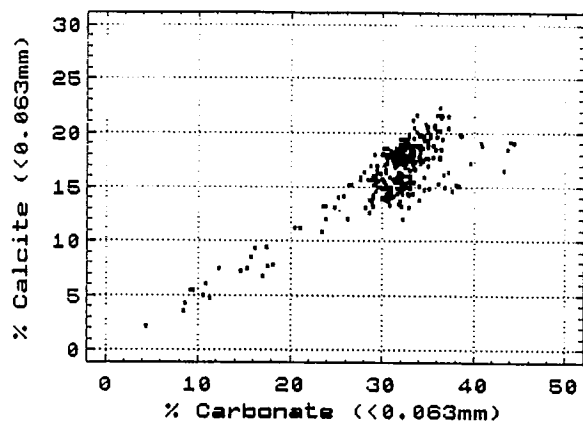
Scatterplots of Carbonate-Related Variables



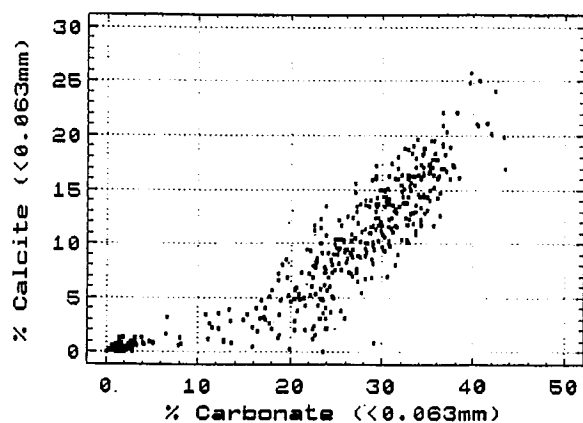
% Carbonate (<0.063mm): Total carbonate by Chittick method.



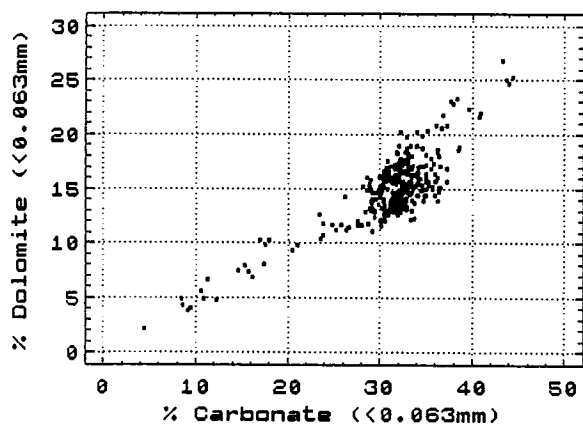
Unoxidized Till
n = 338



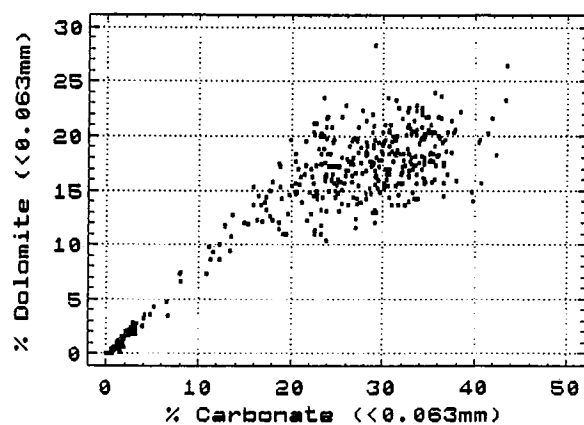
Oxidized Till
n = 505



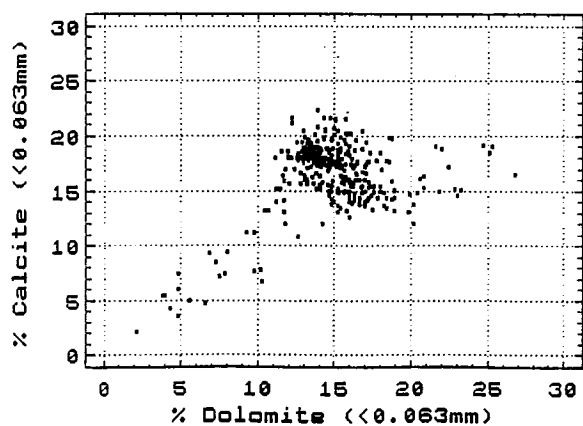
Unoxidized Till
n = 338



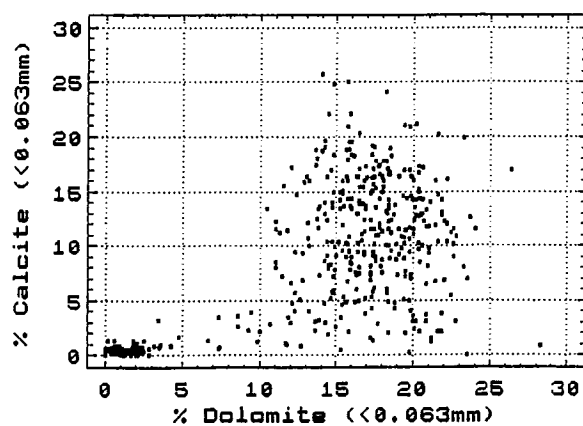
Oxidized Till
n = 505

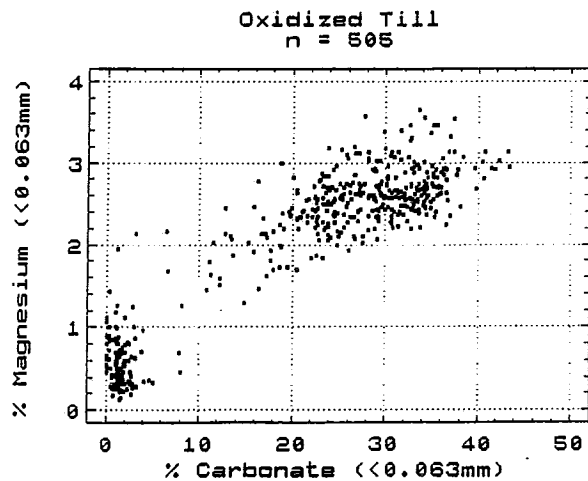
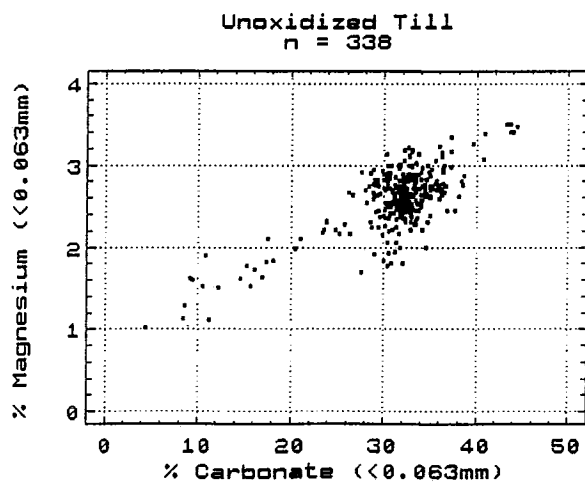
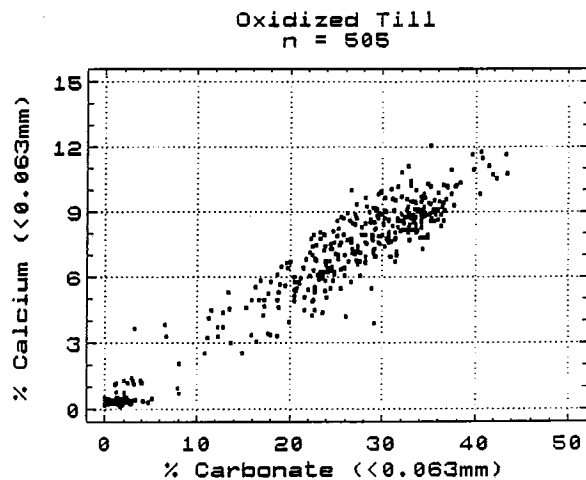
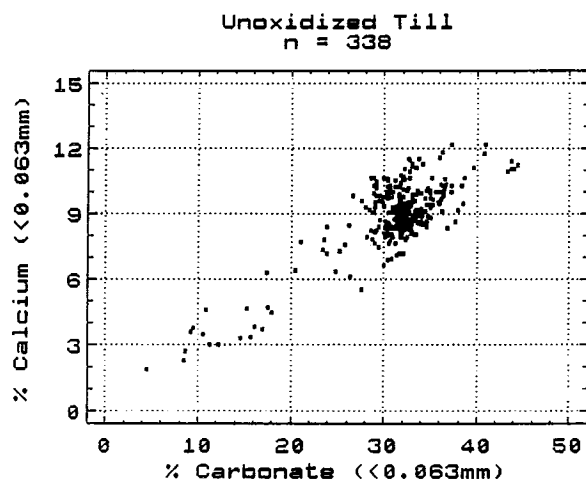
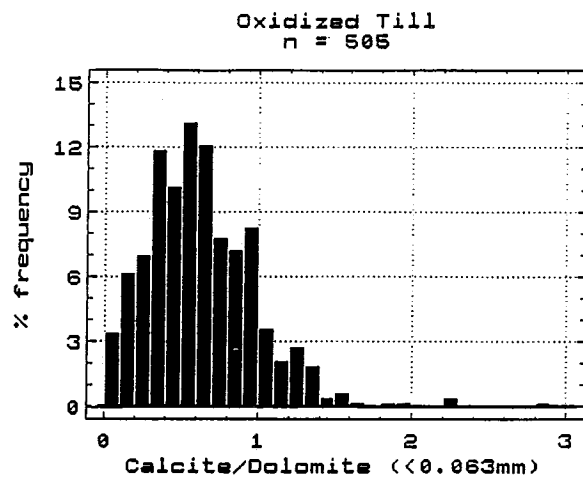
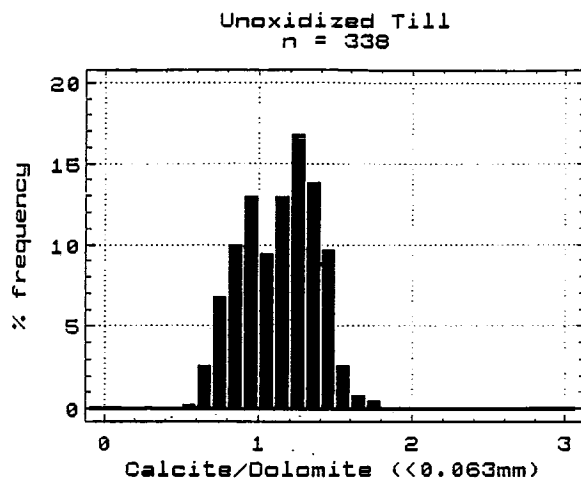


Unoxidized Till
n = 338

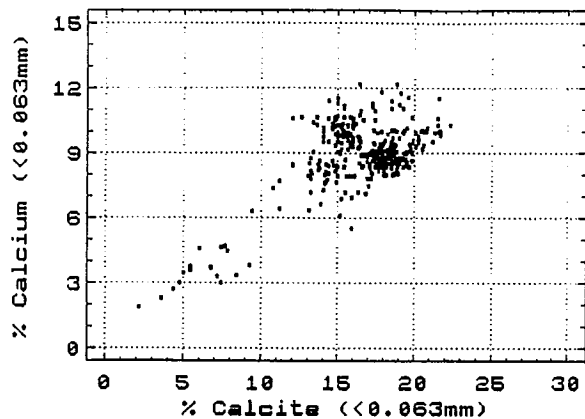


Oxidized Till
n = 505

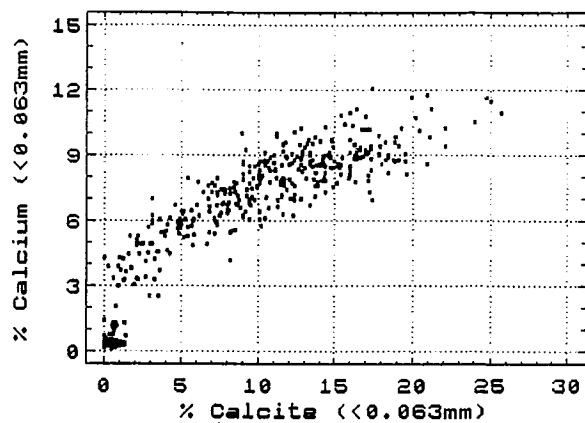




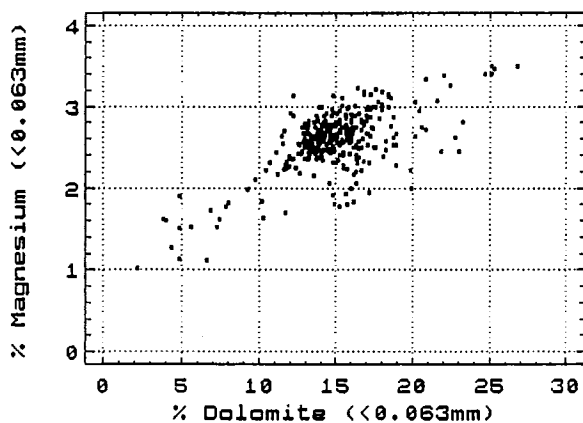
Unoxidized Till
n = 338



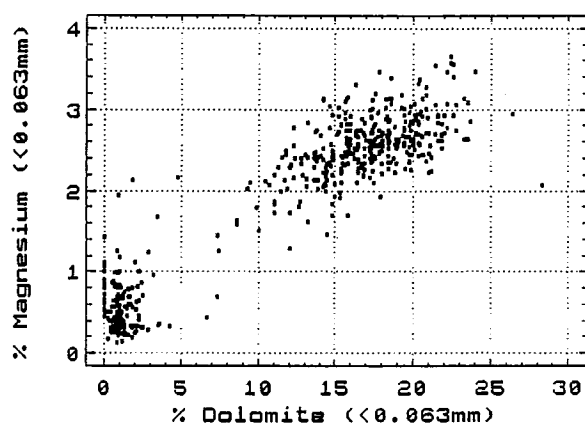
Oxidized Till
n = 505



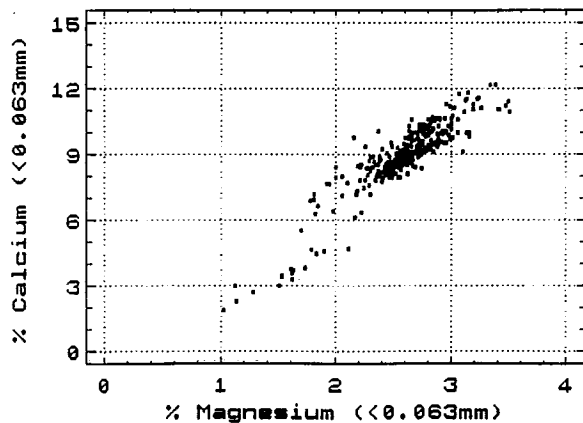
Unoxidized Till
n = 338



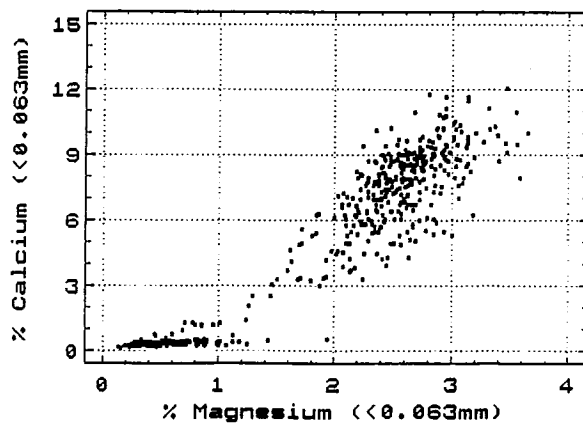
Oxidized Till
n = 505

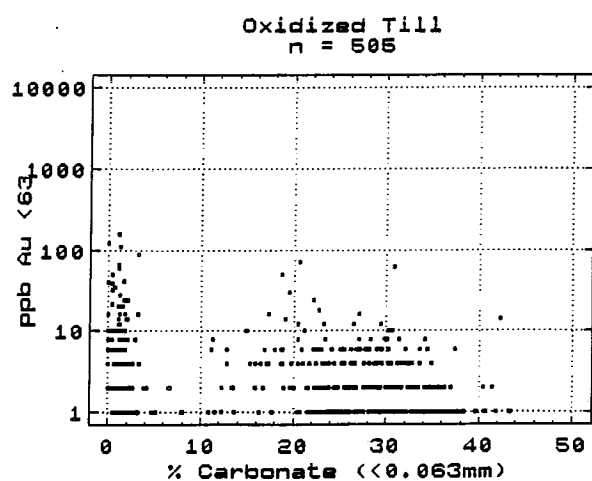
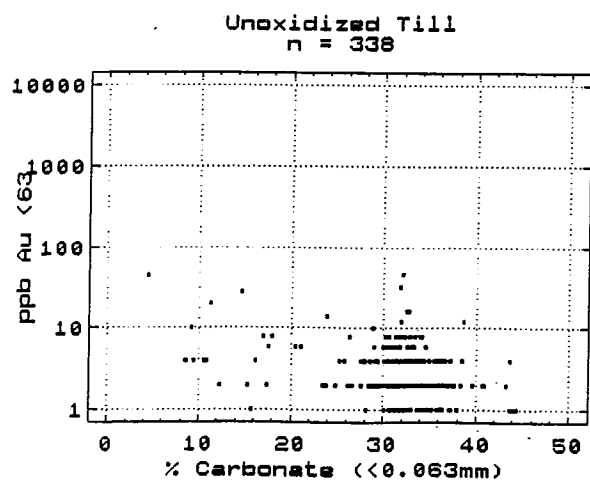
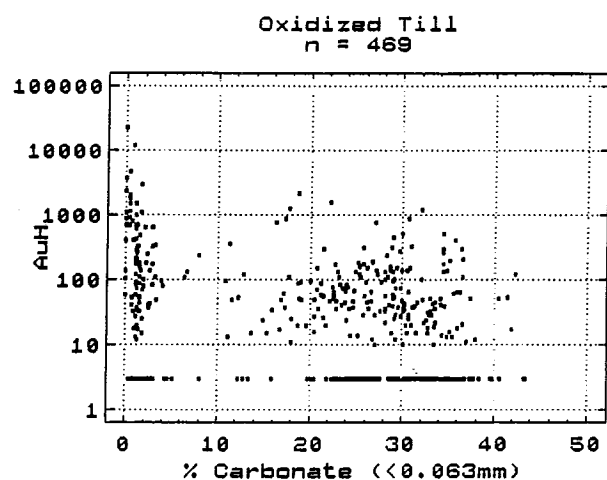
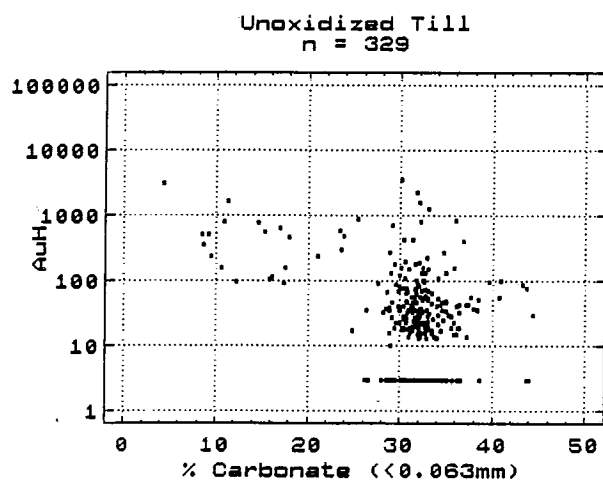
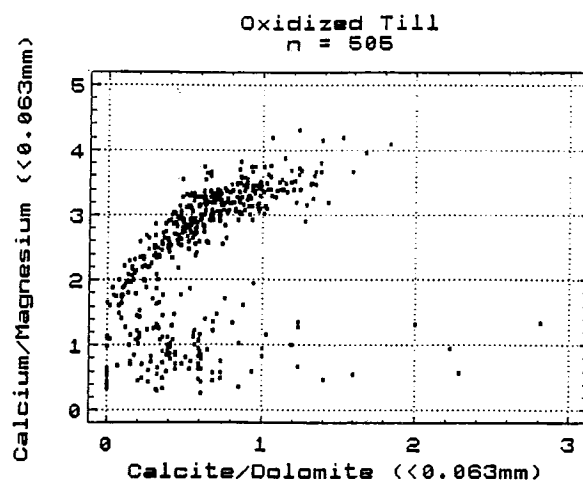
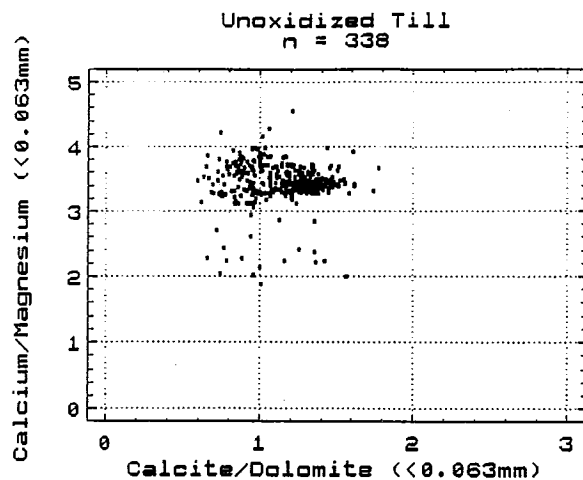


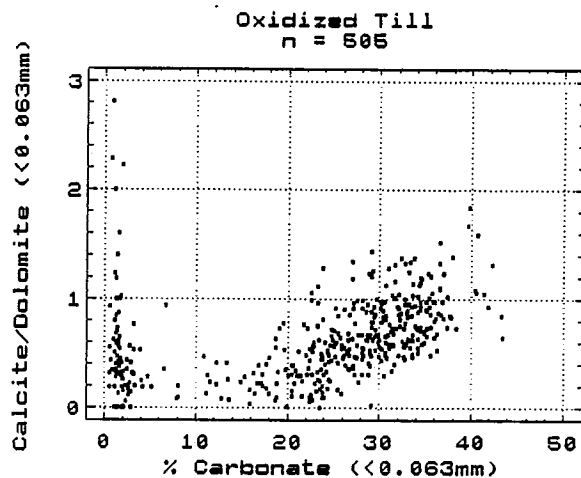
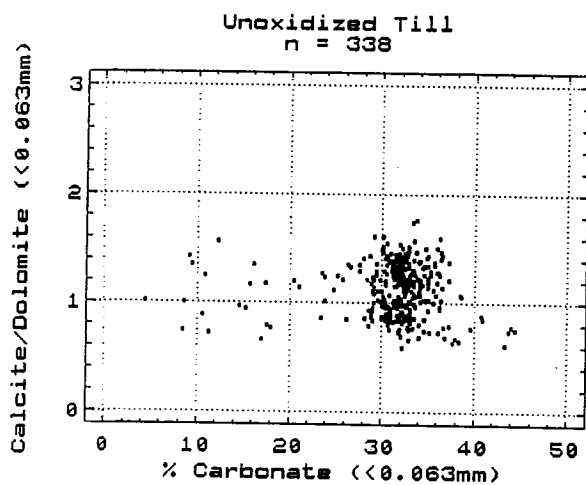
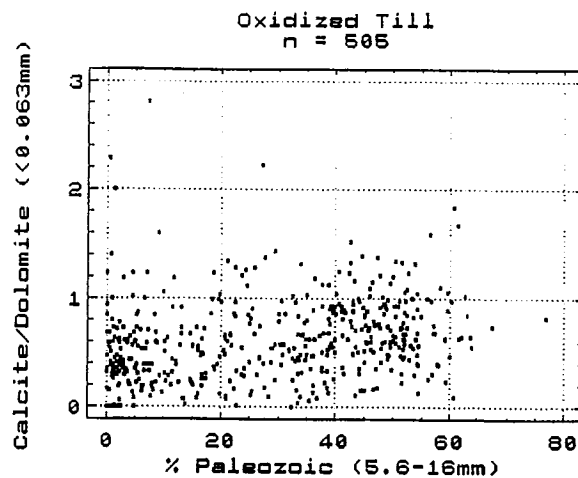
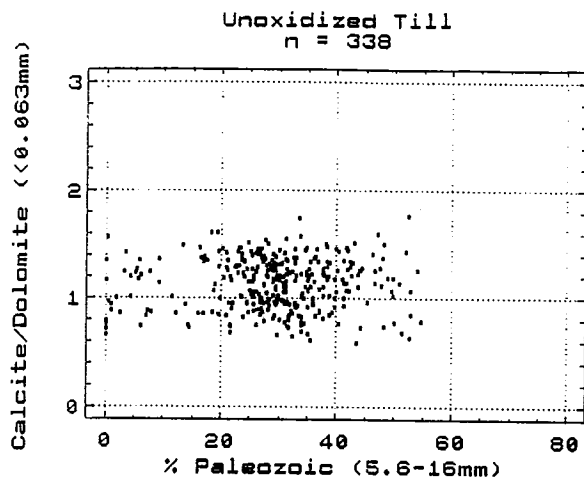
Unoxidized Till
n = 338



Oxidized Till
n = 505



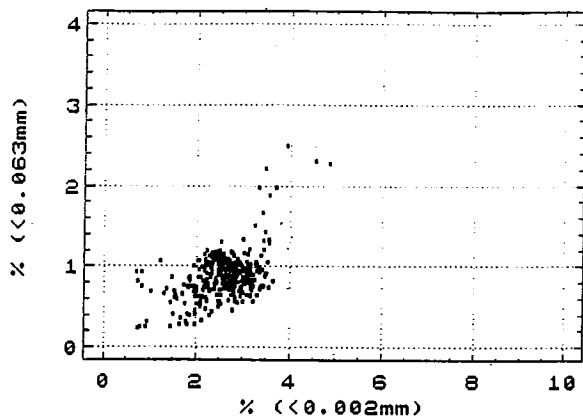




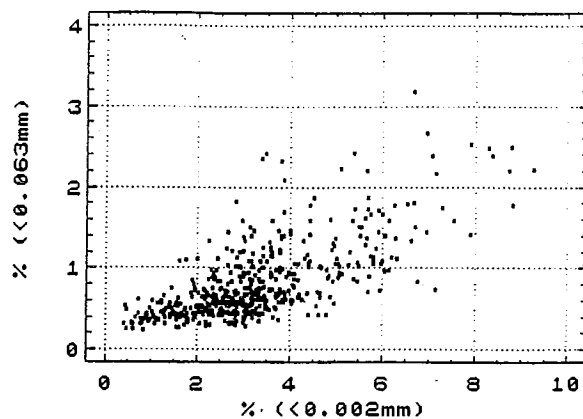
Appendix 22

**Comparison of
<0.063mm and <0.002mm Fractions**

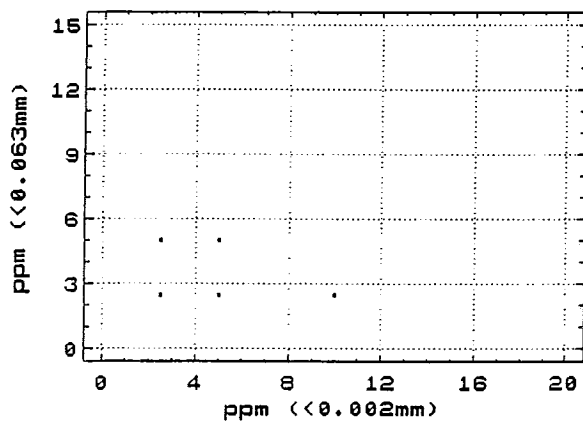
Aluminum in Unoxidized Till
n = 329



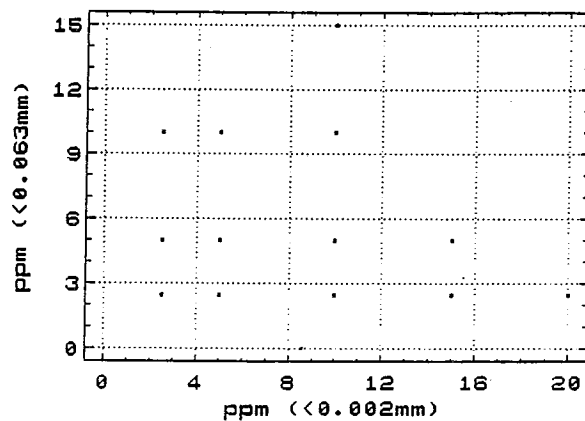
Aluminum in Oxidized Till
n = 505



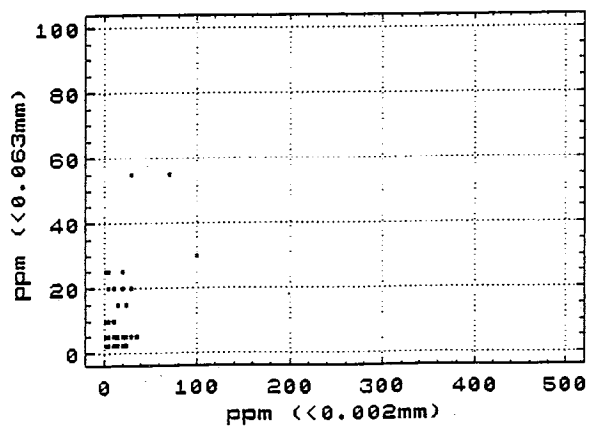
Antimony in Unoxidized Till
n = 329



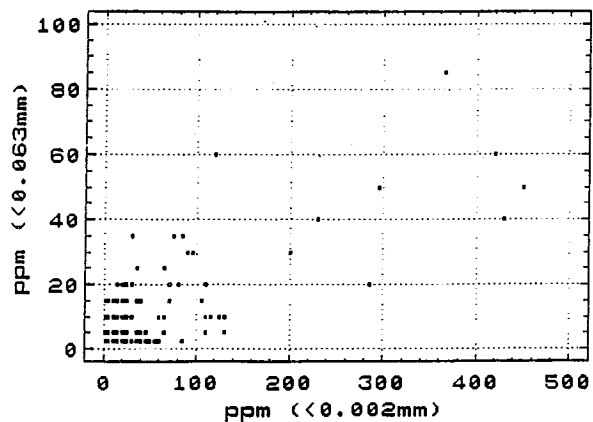
Antimony in Oxidized Till
n = 505



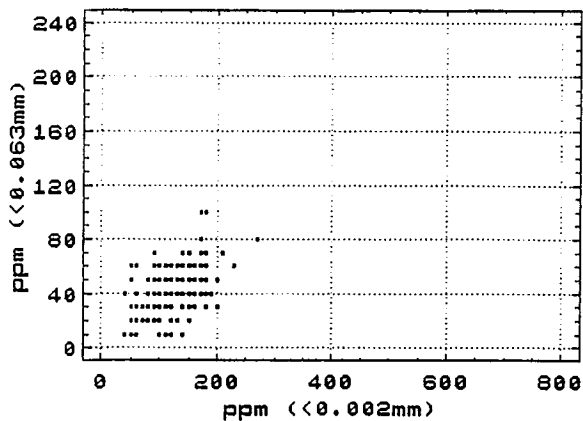
Arsenic in Unoxidized Till
n = 329



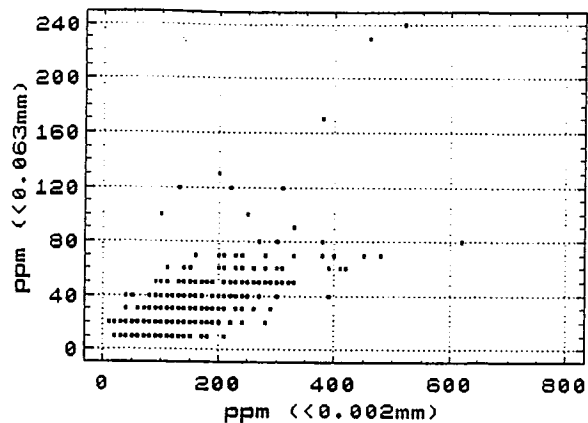
Arsenic in Oxidized Till
n = 505



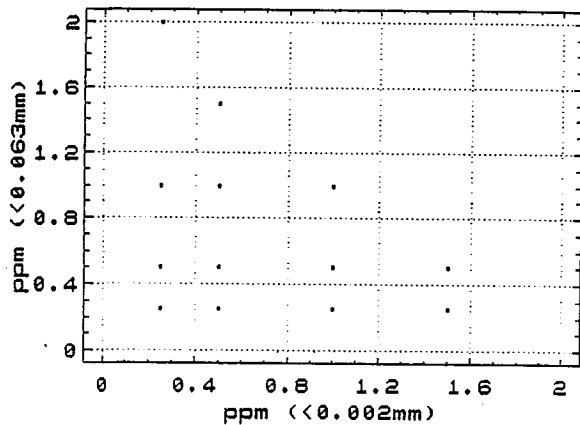
Barium in Unoxidized Till
n = 329



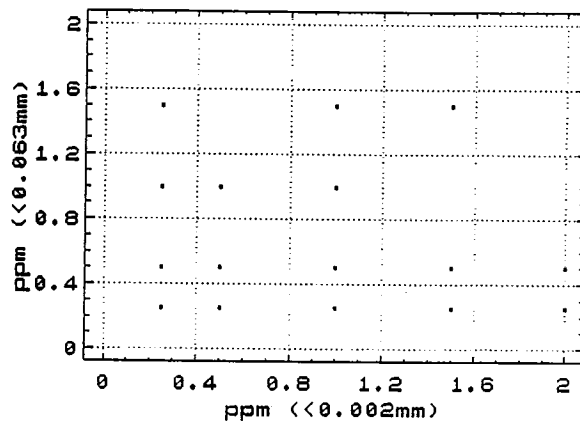
Barium in Oxidized Till
n = 505



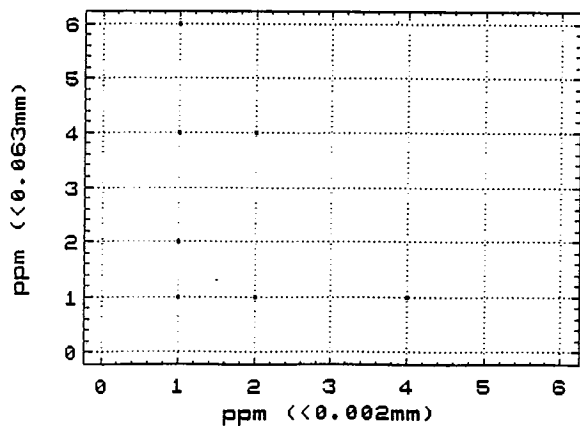
Beryllium in Unoxidized Till
n = 329



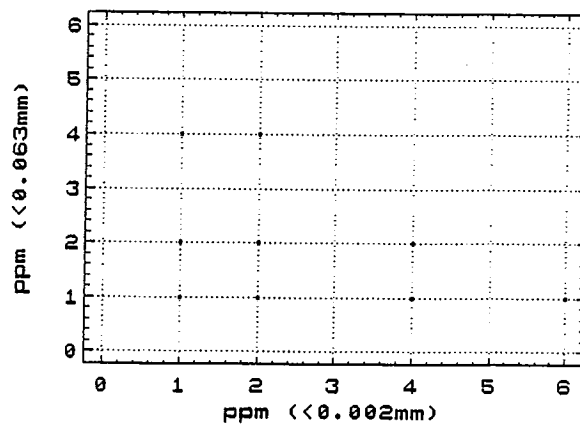
Beryllium in Oxidized Till
n = 505



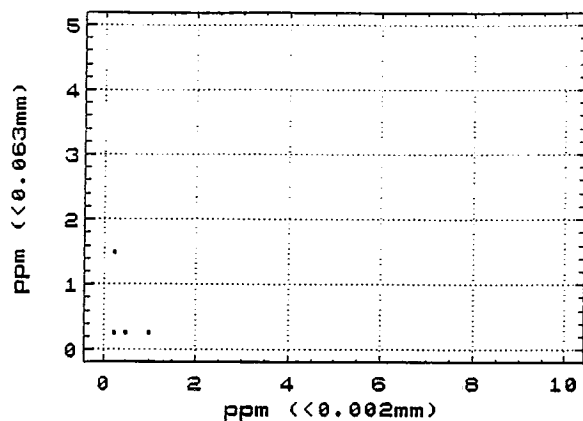
Bismuth in Unoxidized Till
n = 329



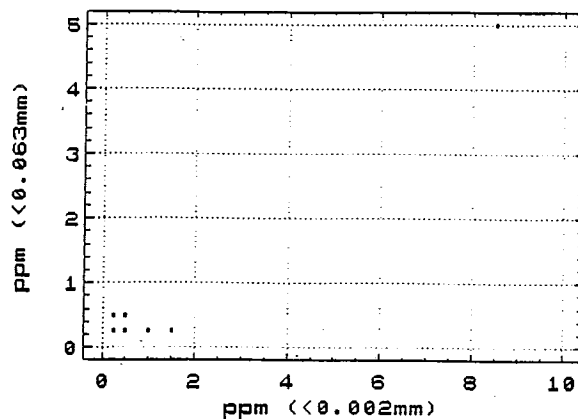
Bismuth in Oxidized Till
n = 505



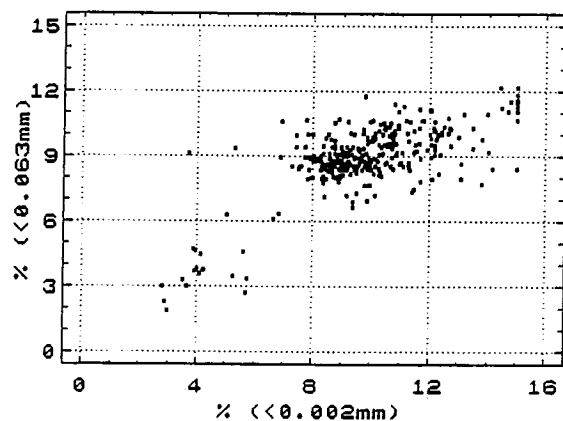
Cadmium in Unoxidized Till
n = 329



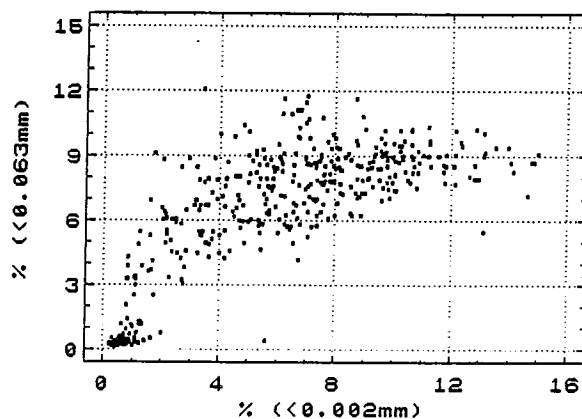
Cadmium in Oxidized Till
n = 505



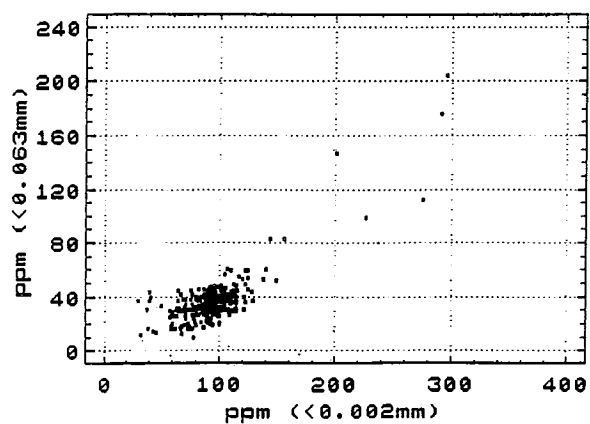
Calcium in Unoxidized Till
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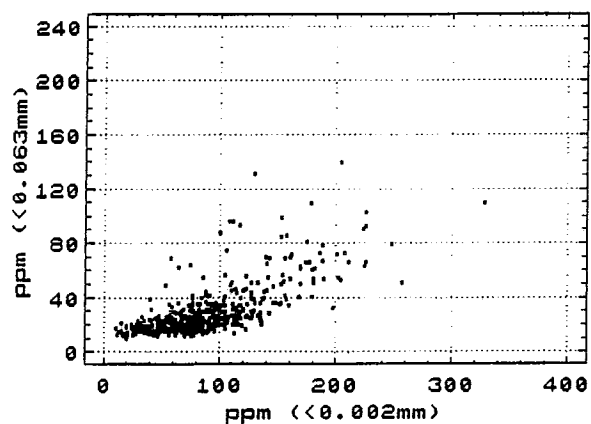
Calcium in Oxidized Till
n = 505



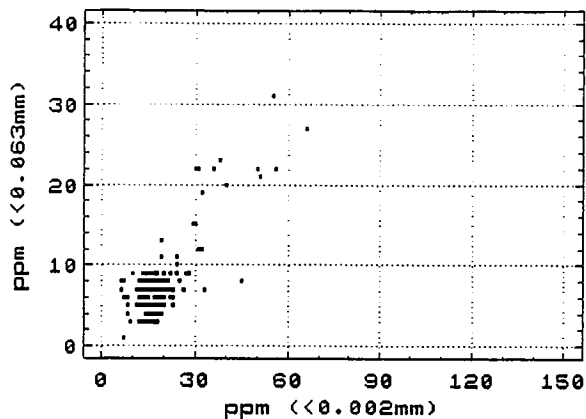
Chromium in Unoxidized Till
n = 329



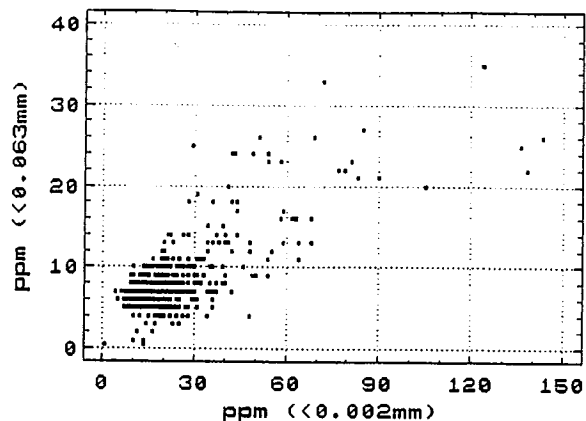
Chromium in Oxidized Till
n = 505



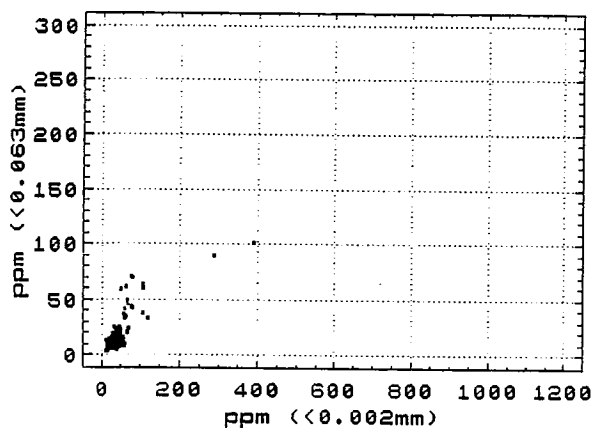
Cobalt in Unoxidized Till
n = 329



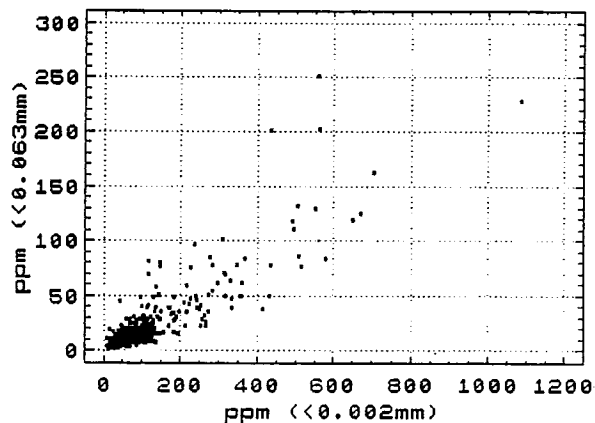
Cobalt in Oxidized Till
n = 505



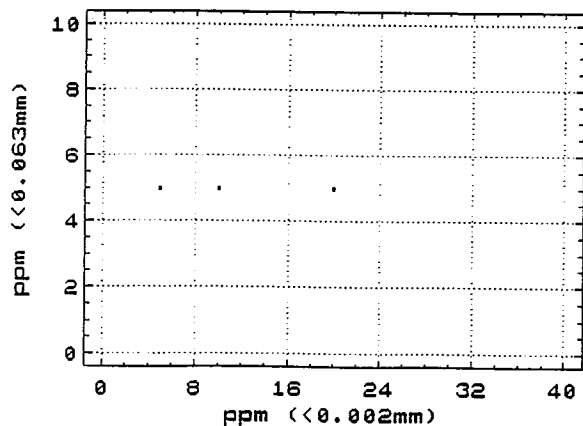
Copper in Unoxidized Till
n = 329



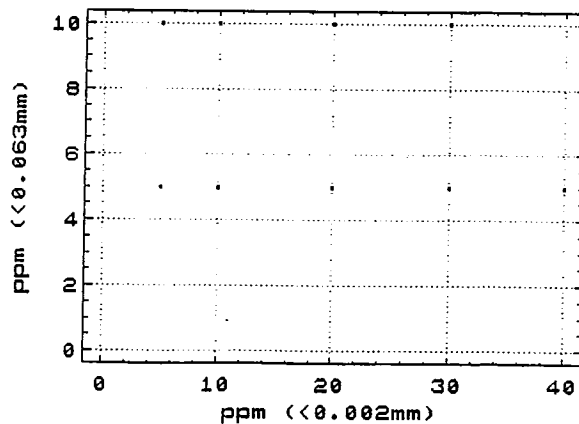
Copper in Oxidized Till
n = 505



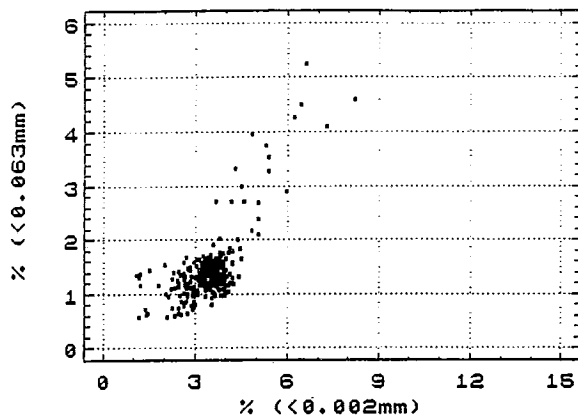
Gallium in Unoxidized Till
n = 329



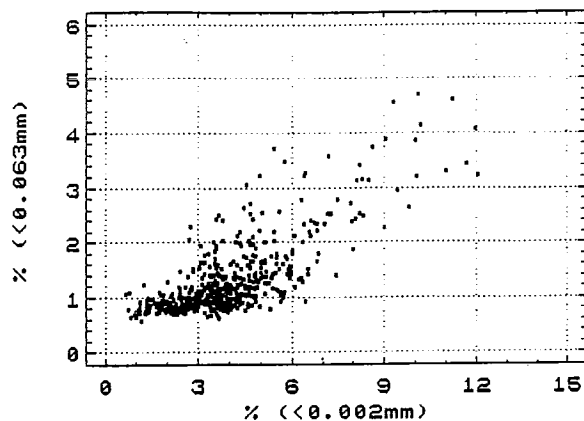
Gallium in Oxidized Till
n = 505



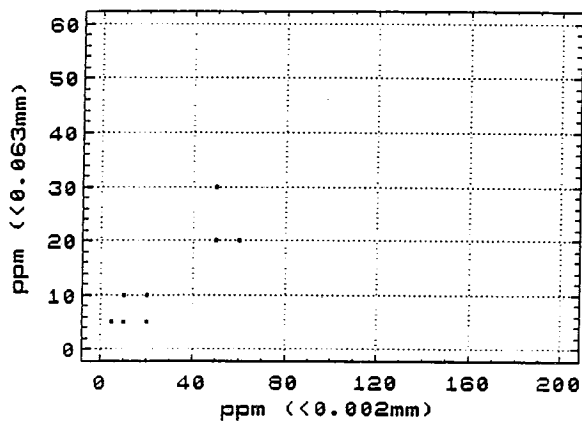
Iron in Unoxidized Till
n = 329



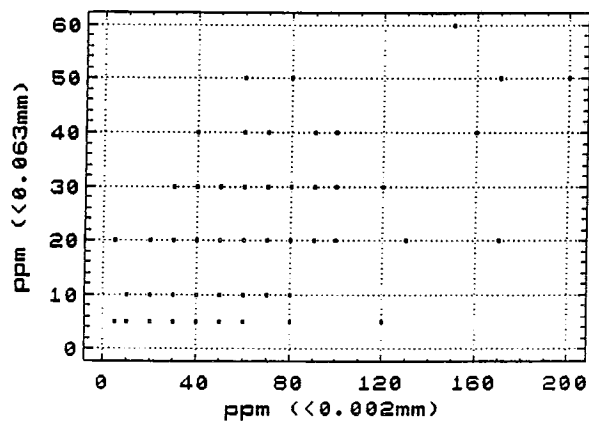
Iron in Oxidized Till
n = 505



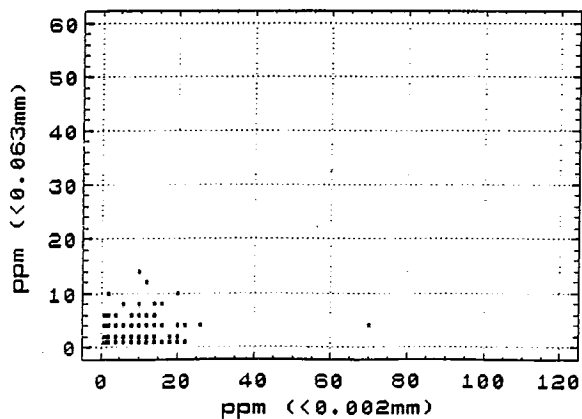
Lanthanum in Unoxidized Till
n = 329



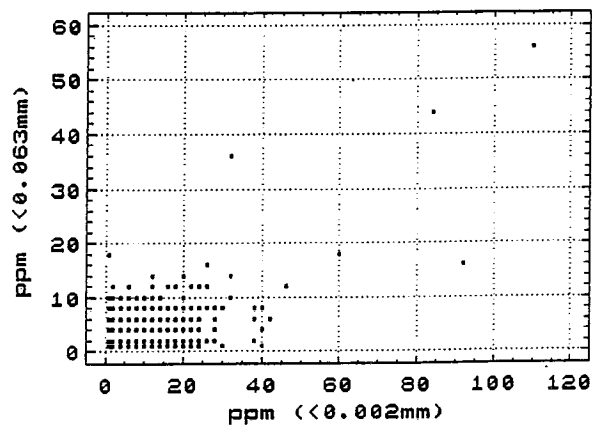
Lanthanum in Oxidized Till
n = 505



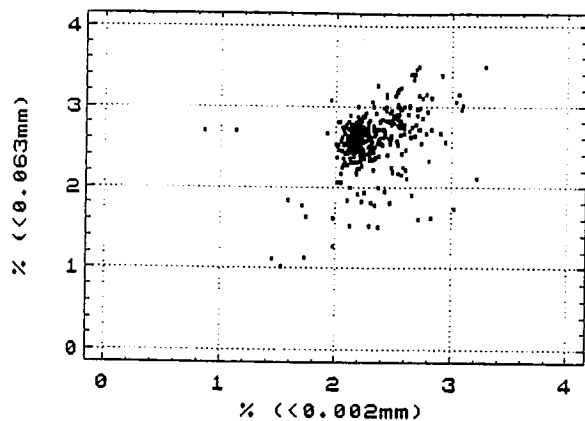
Lead in Unoxidized Till
n = 329



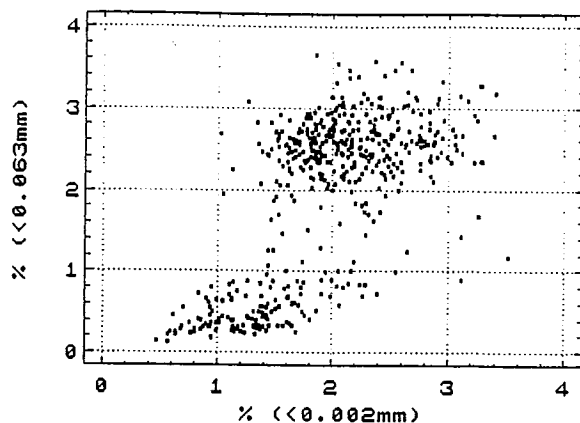
Lead in Oxidized Till
n = 505



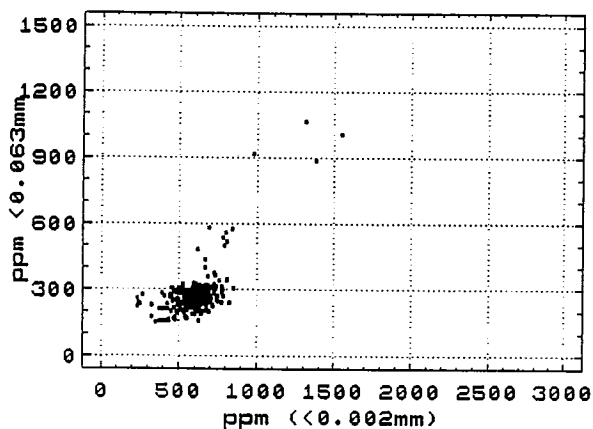
Magnesium in Unoxidized till
n = 329



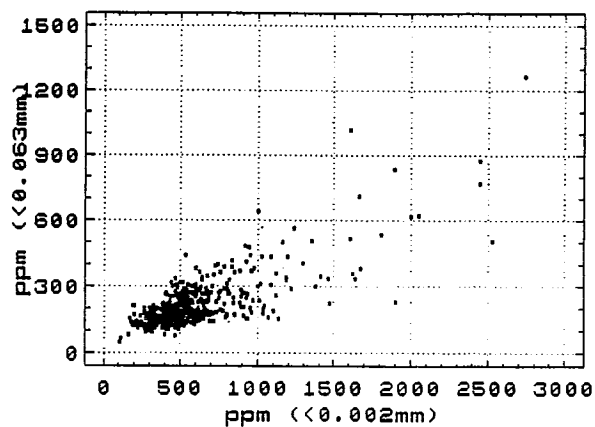
Magnesium in Oxidized Till
n = 505



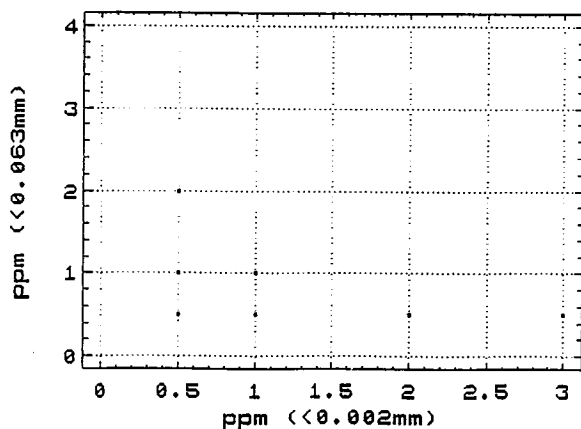
Manganese in Unoxidized Till
n = 329



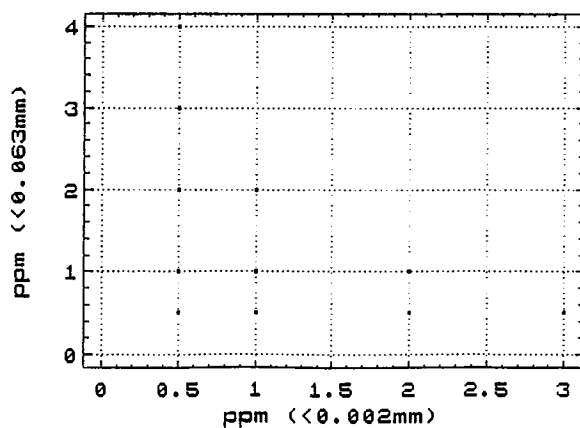
Manganese in Oxidized Till
n = 505

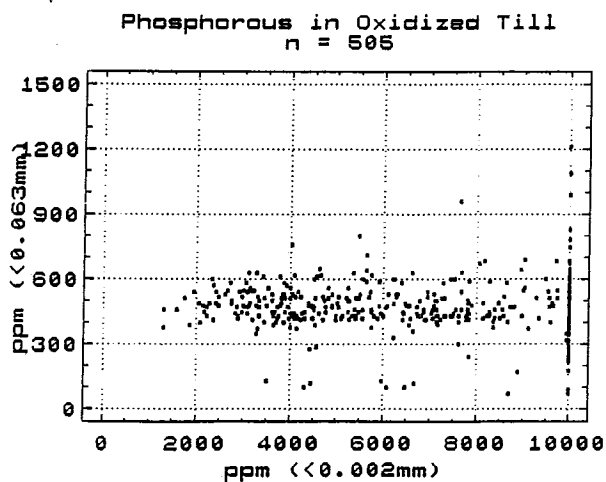
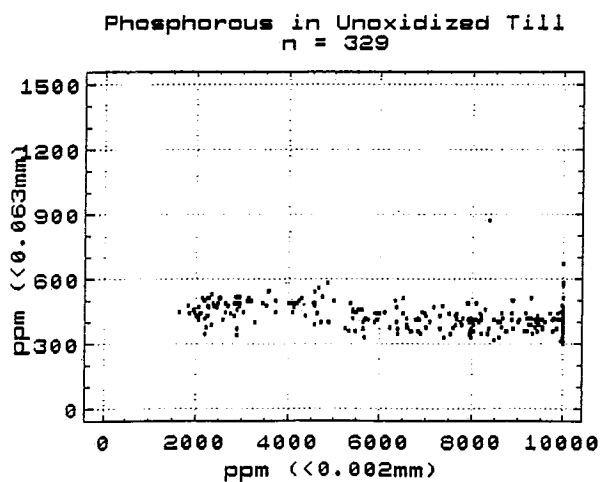
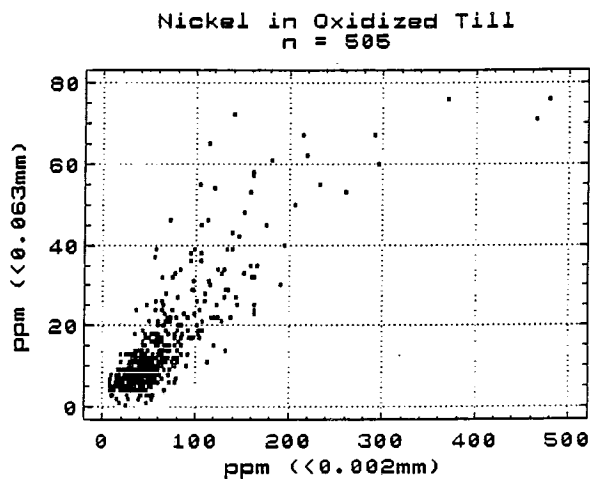
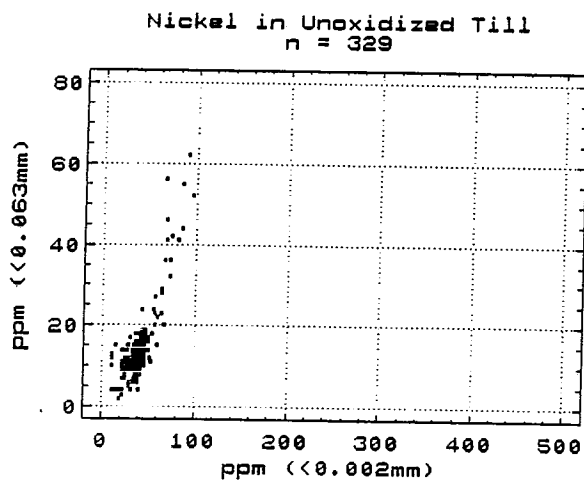
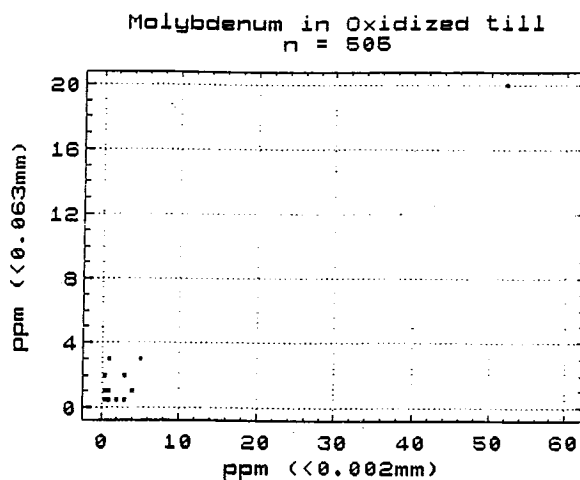
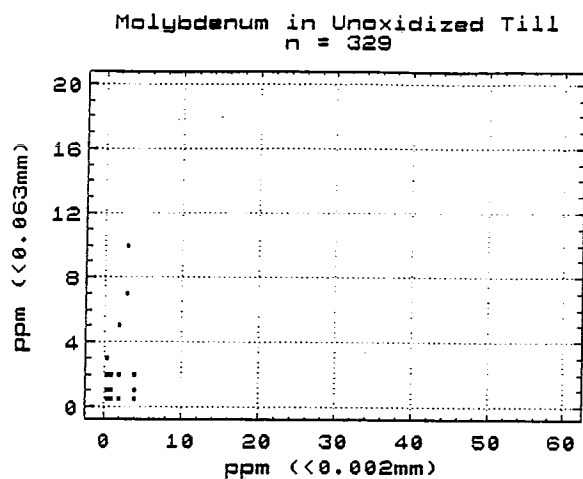


Mercury in Unoxidized Till
n = 329

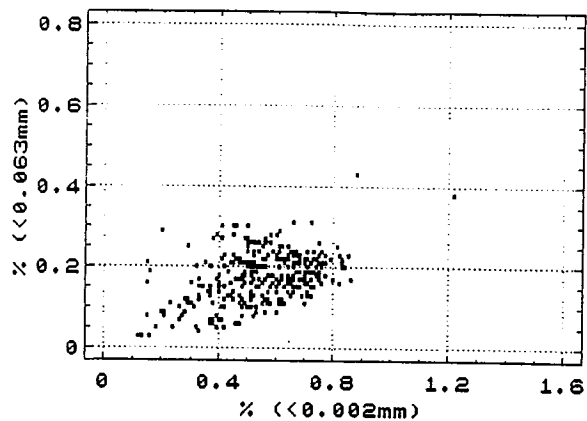


Mercury in Oxidized Till
n = 505

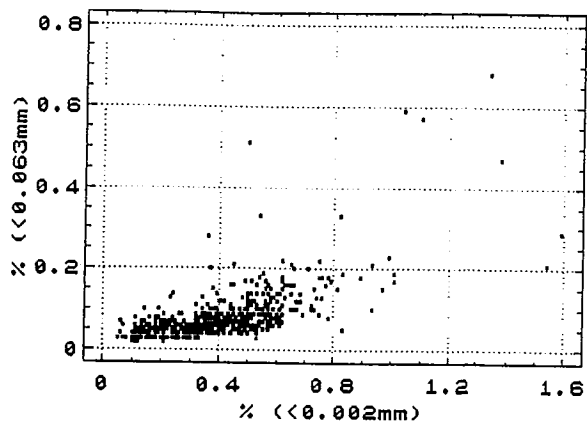




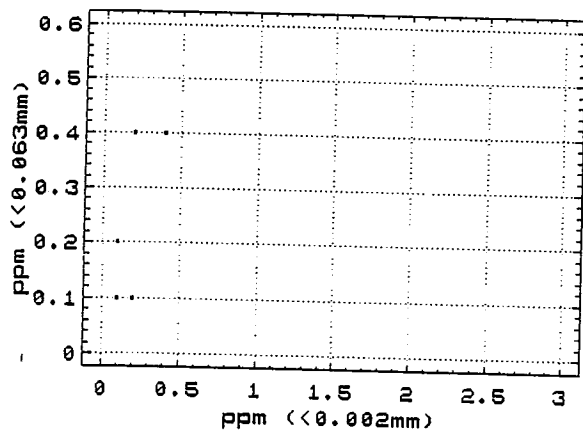
Potassium in Unoxidized Till
n = 329



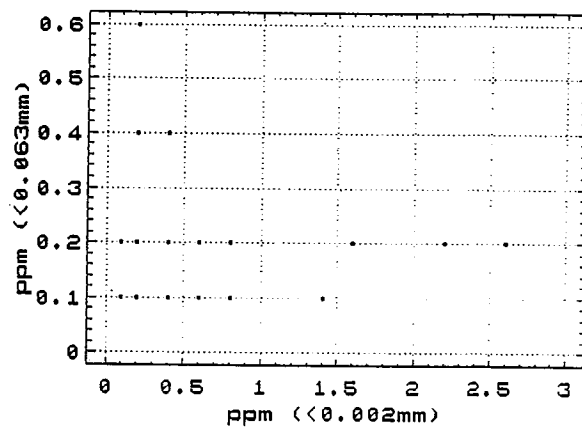
Potassium in Oxidized Till
n = 505



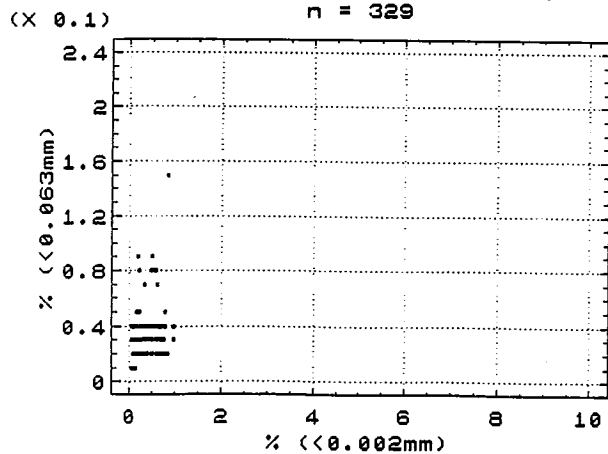
Silver in Unoxidized Till
n = 329



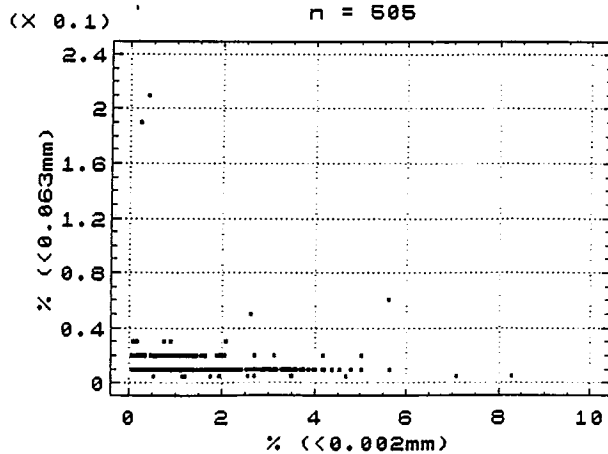
Silver in Oxidized Till
n = 505



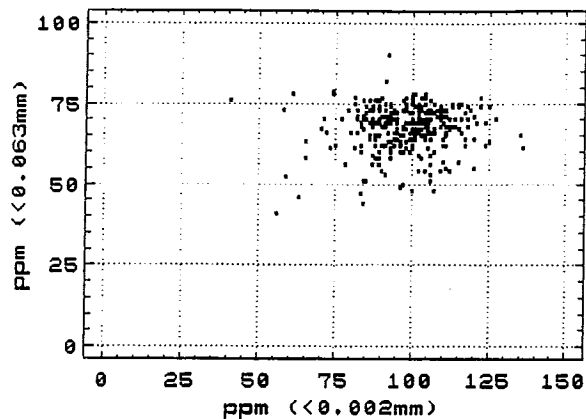
Sodium in Unoxidized Till
n = 329



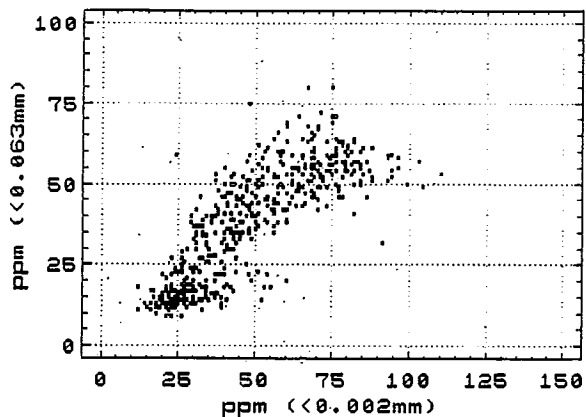
Sodium in Oxidized Till
n = 505



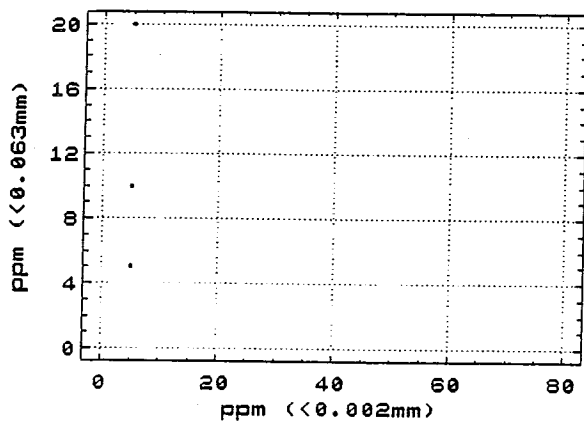
Strontium in Unoxidized Till
n = 329



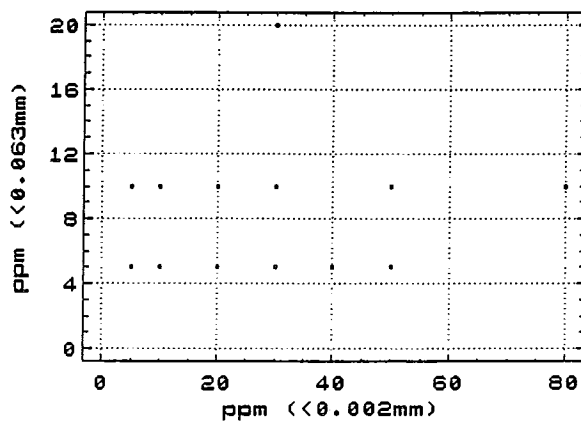
Strontium in Oxidized Till
n = 505



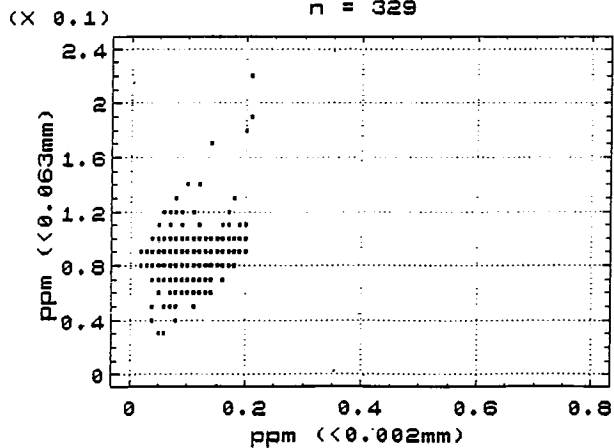
Thallium in Unoxidized Till
n = 329



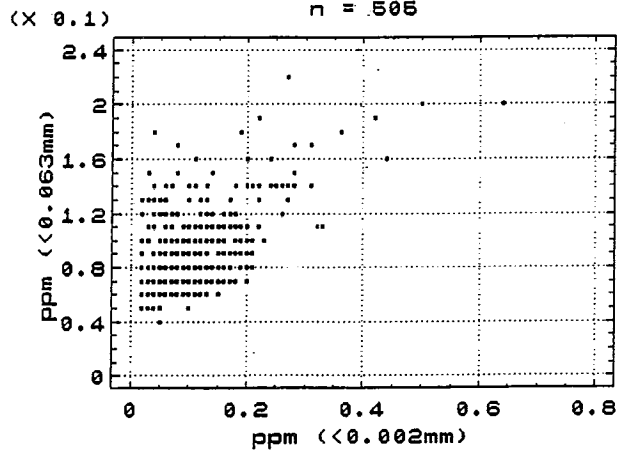
Thallium in Oxidized Till
n = 505



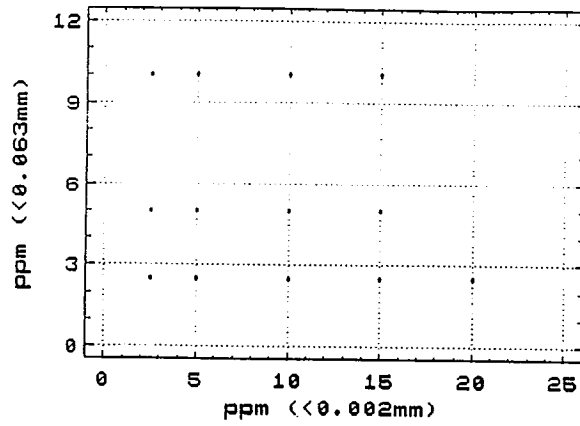
Titanium in Unoxidized Till
n = 329



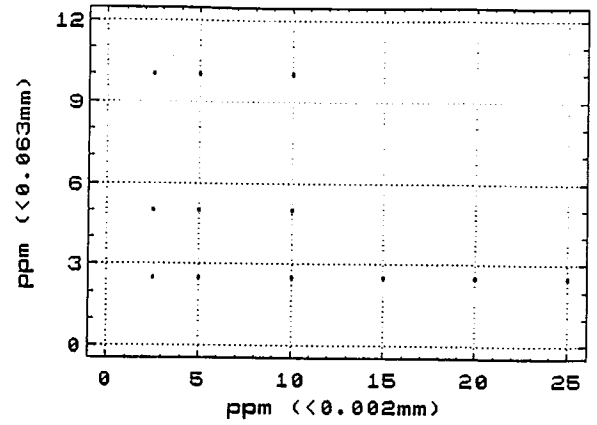
Titanium in Oxidized Till
n = 505



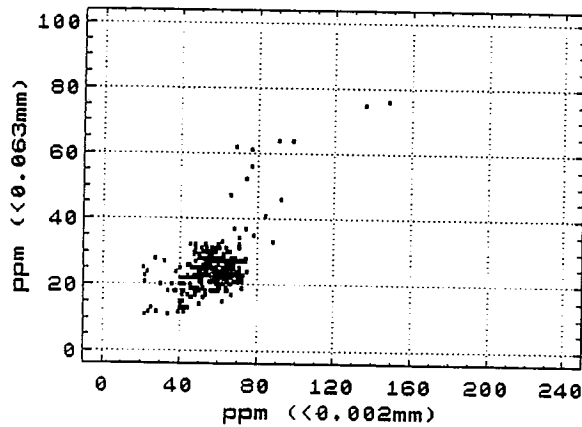
Tungsten in Unoxidized Till
n = 329



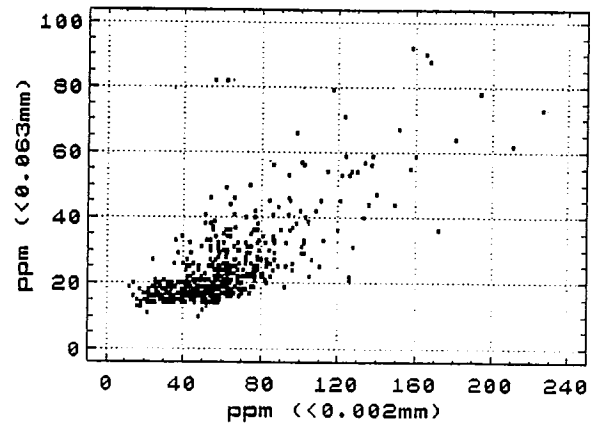
Tungsten in Oxidized Till
n = 505



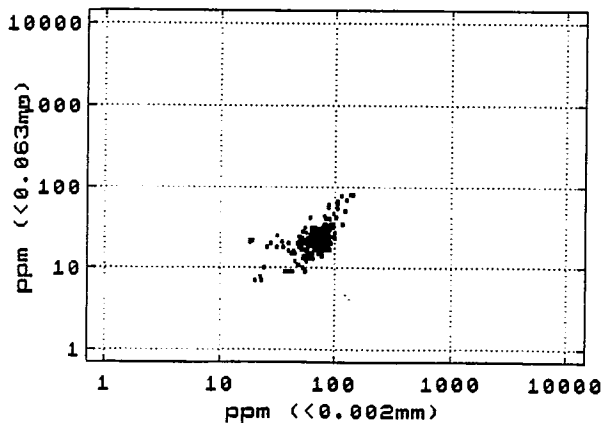
Vanadium in Unoxidized Till
n = 329



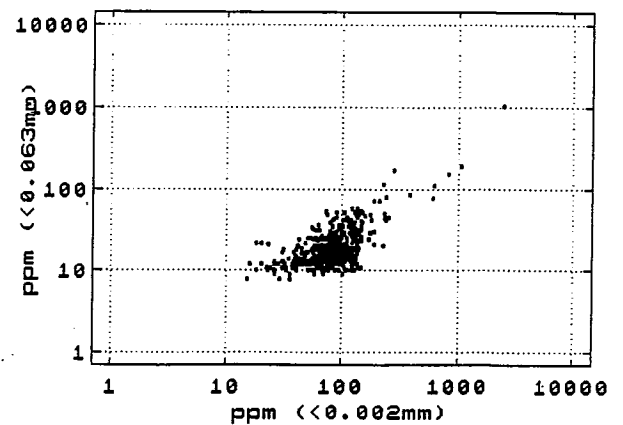
Vanadium in Oxidized Till
n = 505



Zinc in Unoxidized Till
n = 329



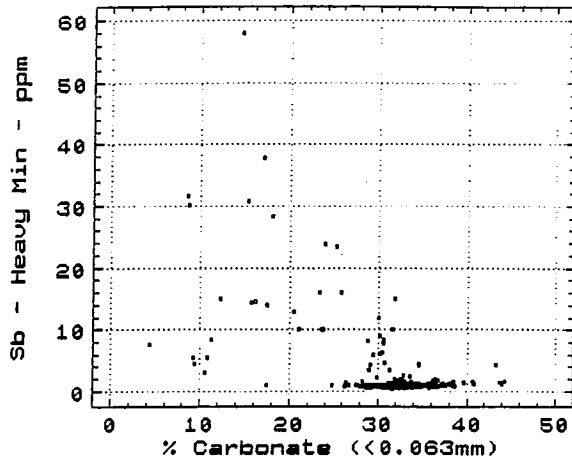
Zinc in Oxidized Till
n = 505



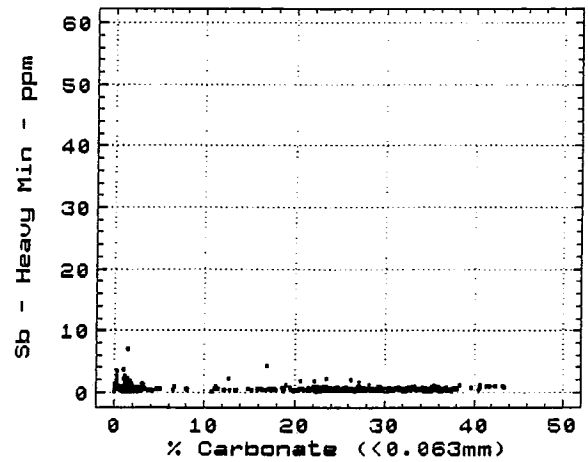
Appendix 23

Scatterplots of Metal Concentrations and Carbonate Content

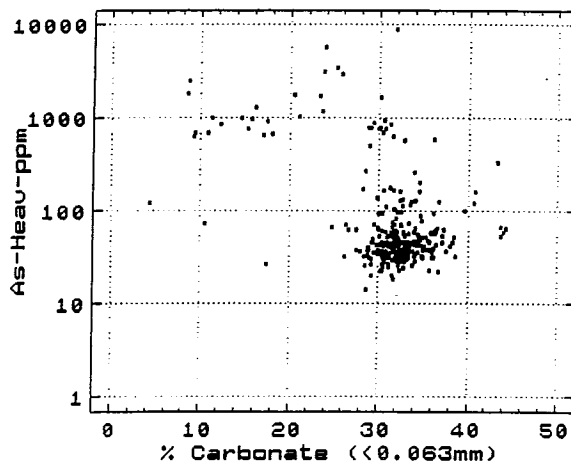
Unoxidized Till
n = 338



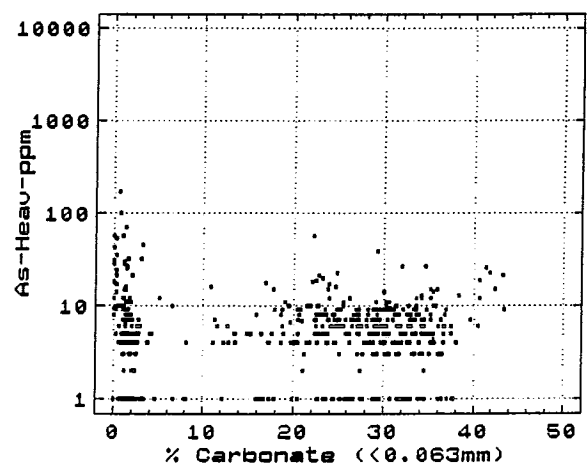
Oxidized Till
n = 505



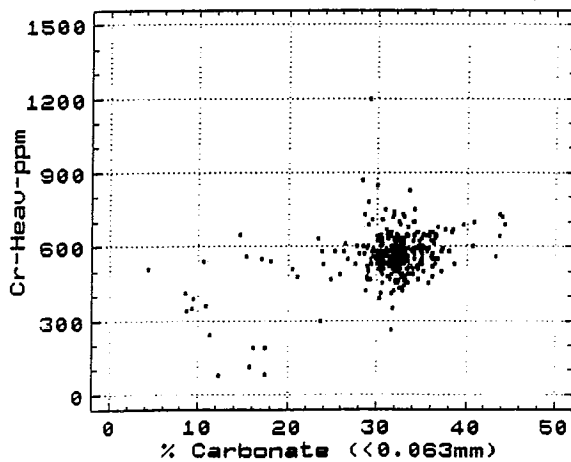
Unoxidized Till
n = 338



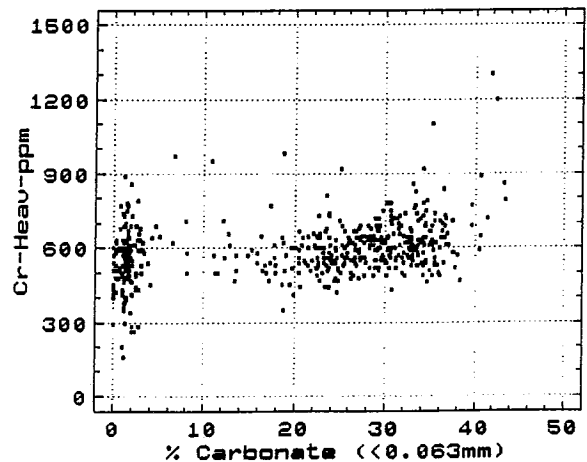
Oxidized Till
n = 505



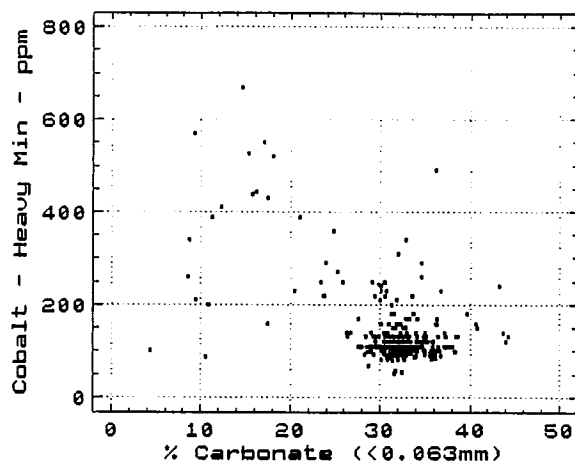
Unoxidized Till
n = 338



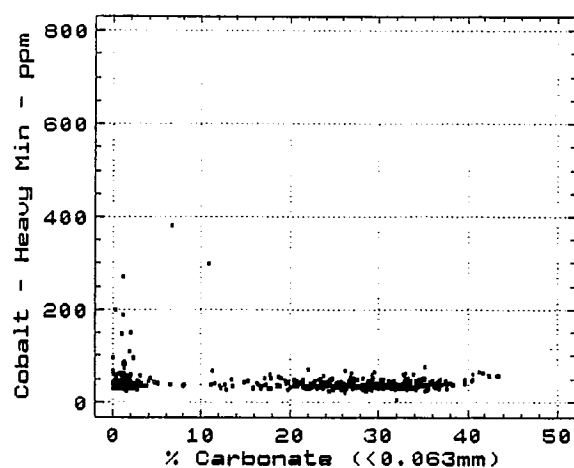
Oxidized Till
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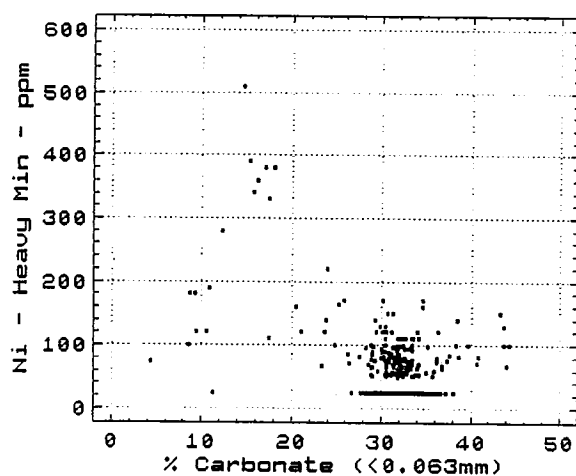
Unoxidized Till
n = 338



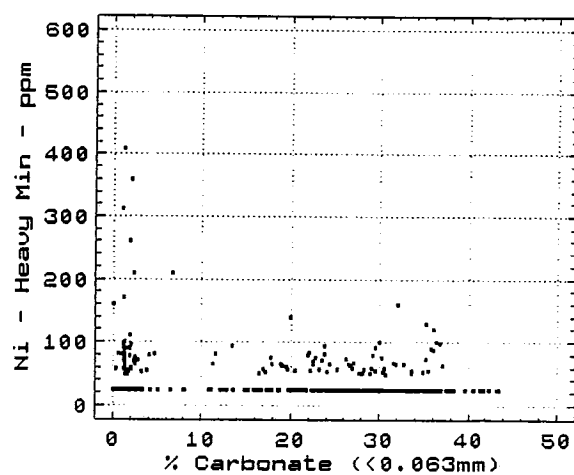
Oxidized Till
n = 505



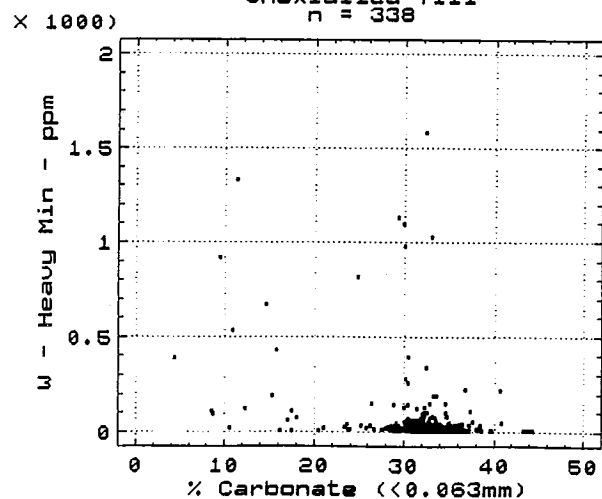
Unoxidized Till
n = 338



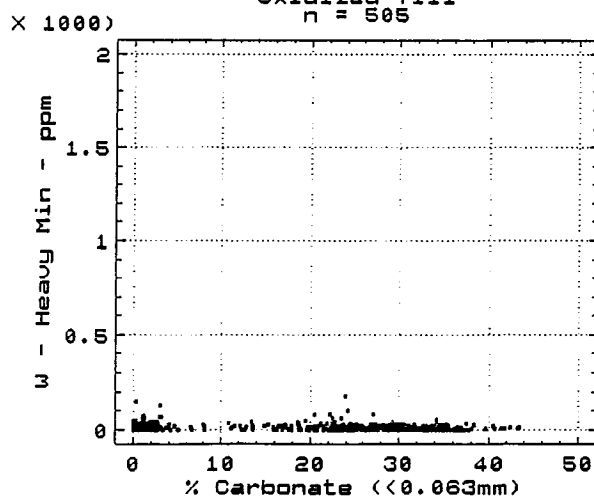
Oxidized Till
n = 505



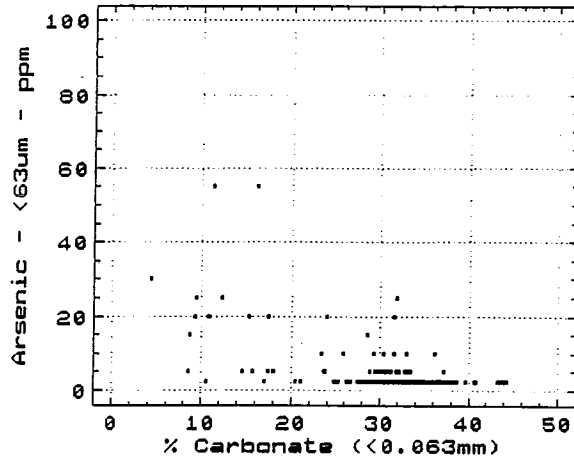
Unoxidized Till
n = 338



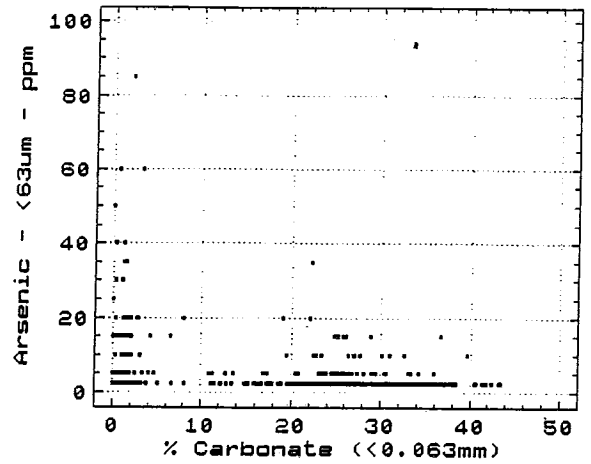
Oxidized Till
n = 505



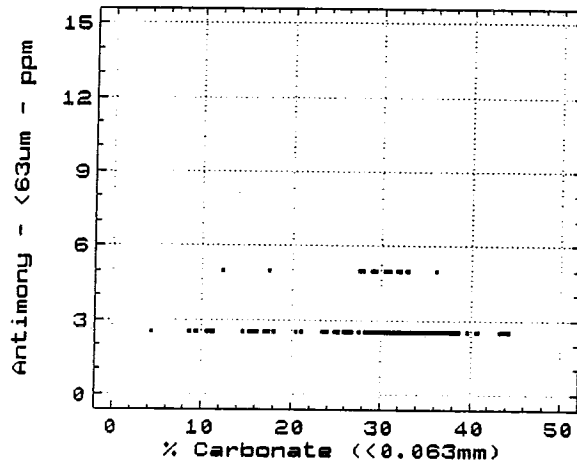
Unoxidized Till
n = 338



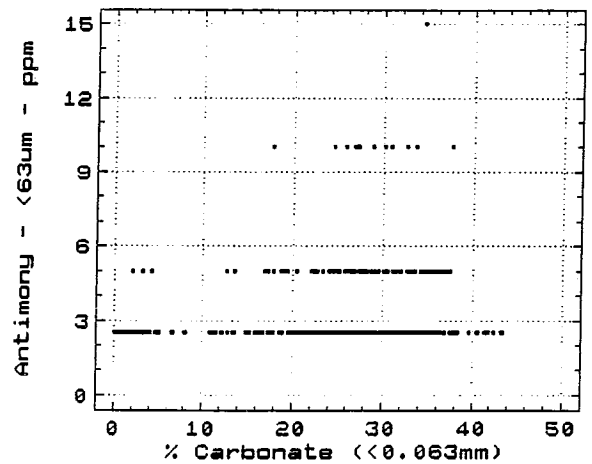
Oxidized Till
n = 505



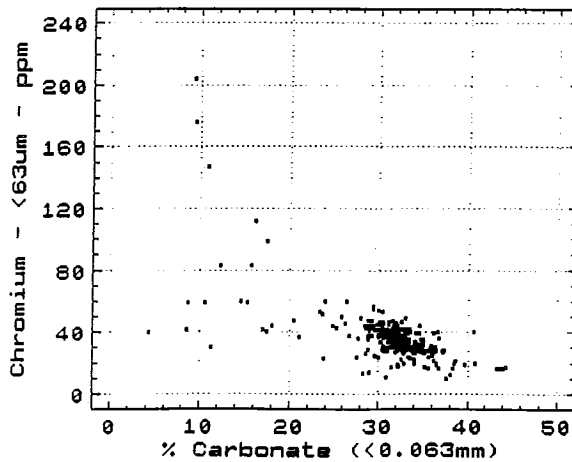
Unoxidized Till
n = 338



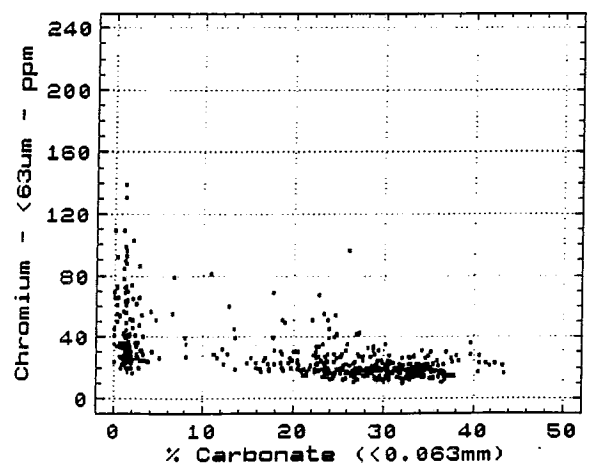
Oxidized Till
n = 505



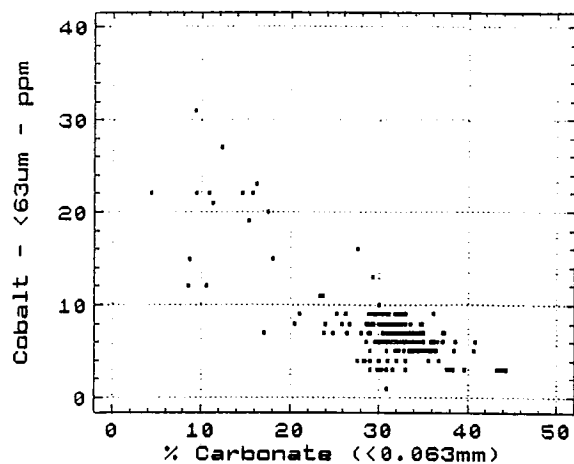
Unoxidized Till
n = 338



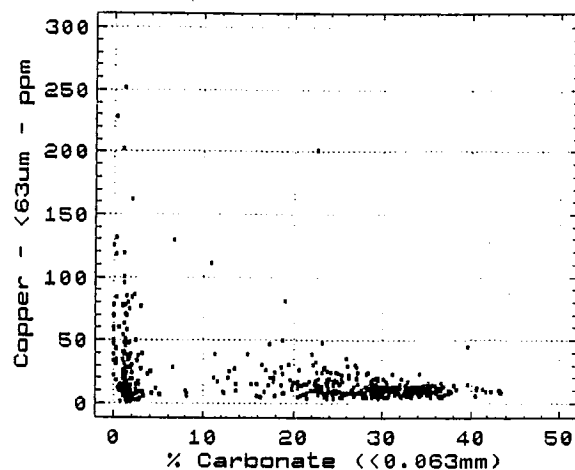
Oxidized Till
n = 505



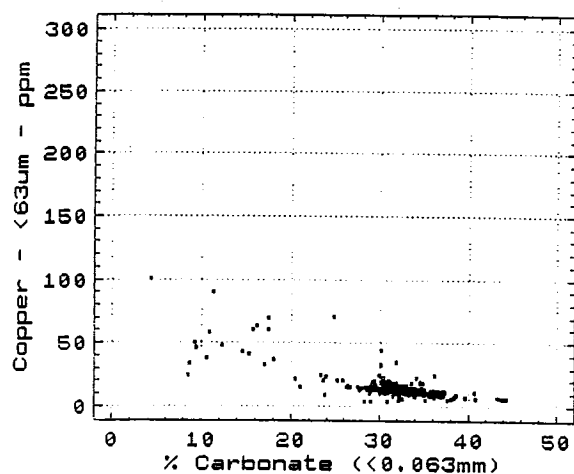
Unoxidized Till
n = 338



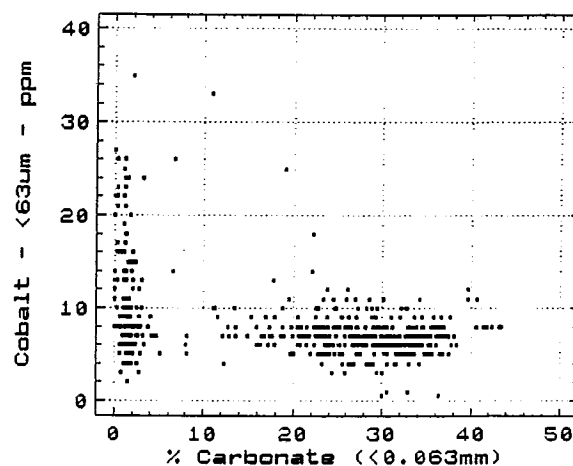
Oxidized Till
n = 505



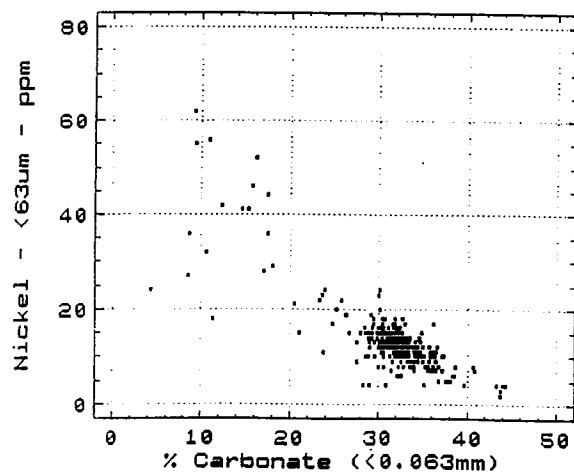
Unoxidized Till
n = 338



Oxidized Till
n = 505



Unoxidized Till
n = 338



Oxidized Till
n = 505

