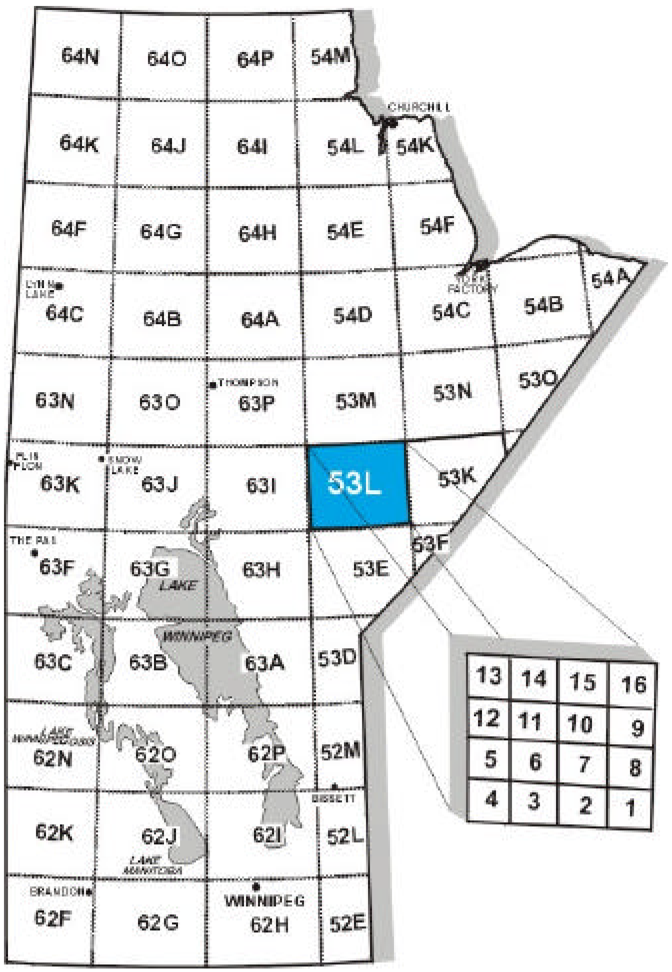


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Open File Report OF2000-2

# Operation Superior: Multimedia Geochemical and Mineralogical Survey Results from the Southern Portion of the Knee Lake Greenstone Belt, Northern Superior Province, Manitoba (NTS 53L)

By M.A.F. Fedikow, E. Nielsen, G.G. Conley and P.G. Lenton
Winnipeg, 2000

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# TABLE OF CONTENTS

## FIGURES

## TABLES

### TILL MINERALOGICAL SURVEY



### KIMBERLITE INDICATOR MINERAL SURVEY



### VEGETATION GEOCHEMICAL SURVEY

## INTRODUCTION

In 1996 the Manitoba Geological Services Branch (now the Manitoba Geological Survey) embarked upon a five-year program of helicopter- and fixed wing-assisted multimedia geochemical sampling, designed to assist in the definition of exploration targets and the assessment of mineral resource potential in the northern Superior Province. This initiative has been called Operation Superior and preliminary results for the areas surveyed in 1996, 1997 and 1998 were released in Fedikow et al. (1997a, b, 1998, 1999).

The application of belt-scale and regional geochemical surveys to relatively underexplored terrain has been extensively documented. Usually these surveys have utilized one or two sampling media, such as soil or rock, with generally positive results in reducing large tracts of ground to more localized areas of higher exploration prospectivity. Operation Superior belt-scale multimedia geochemical surveys specifically address the relatively underexplored Archean greenstone belts in the Superior Province of northeastern Manitoba by systematically collecting rock, till, b-horizon soil, humus and vegetation samples from sample sites established at 1 km centers, within mapped boundaries of the greenstone belts. The results of surveys conducted in year four of this project are presented in this report, and include geochemical survey results for rock, till, b-horizon soil, humus, and vegetation. Kimberlite indicator mineral survey results for diamonds based on 25 kg bulk till samples are also presented. Mineralogical indicators of metamorphosed massive sulphide-type and magmatic sulphide deposits as well as gold grain counts based on 8 kg bulk till samples are presented for the first time in the 2000 report.

One of the non-geochemical benefits of landing a helicopter every 1 km during sampling is the opportunity to make geological observations at outcrop sample sites and in areas of recent burn. Forest fires in 1988 and 1989 have exposed large areas of outcrop in the northern Superior Province that were covered with vegetation and/or soil. An excellent example of this benefit has been described in Fedikow et al. (1997a, b) and Fedikow and Nielsen (1997), where an areally extensive, hydrothermally altered base and precious metal depositional environment was recognized.

A complimentary project was initiated by the Geological Survey of Canada (GSC) in 1996. In the GSC survey, which focussed on the predominantly intrusive geological terrane separating the greenstone belts, till samples were collected on a 40 km sample spacing to provide a regional framework for interpretation of the more detailed multimedia program. This survey was undertaken by Harvey Thorleifson of the Geological Survey of Canada and Gaywood Matile of the Manitoba Geological Survey and has been released as Open File Report OF97-3 (Matile and Thorleifson, 1997).

Historically, the commodity focus in Manitoba has been base and precious metals, with lesser interest in the pegmatite-hosted rare element deposits such as those at Bernic Lake. This multimedia geochemical survey is designed to address base and precious metals, pegmatite and carbonatite-hosted rare element deposits as well as diamonds. The approach is to collect a variety of sample media at each site and analyze these samples in a multielement manner using the most advanced technological instrumentation and innovative digestion techniques available. Instrumental neutron activation (INA), inductively coupled plasma-atomic emission spectrometry (ICP-AES), and inductively coupled plasma-mass spectrometry (ICP-MS) are the main analytical techniques chosen for this purpose. Additionally, pH and conductivity measurements (converted to $H^+$ and specific conductance, respectively) assess water-extractable components in rock, b-horizon soil and humus samples in this survey. The pH measurements were done using a VWR model 8000 pH meter with a Ross #8165 BN Combination pH electrode. Conductivity was measured with an Orion model 125 conductivity meter with an Orion #011020 glass conductivity cell.

The enzyme leach selective extraction process has once again been applied to b-horizon soil samples in this survey. This approach utilizes a phase-specific dissolution that liberates metals adsorbed onto the amorphous Mn-oxide coatings of individual mineral grains in the b-horizon. The leachate is analyzed using ICP-MS, and element concentrations are reported at parts per billion concentration levels. Because of the relative abundance of thick and compositionally variable surficial deposits in this year's study area and the successful application of this technique in years one, two and three of the project, year four b-horizon soils were analyzed using only the enzyme leach-ICP-MS technology. The nature of the surficial sampling environment necessitate the appreciation of innovative analytical approaches for this survey. In the 1999 survey, b-horizon soil samples consist of 75% clay, 12% till, 9% "mixed" samples reflecting permafrost mixing of clay, till and other sediments, 3% sand and 1% silt.

A unique opportunity to assess the diamond potential for greenstone belts of the northern Superior Province in Manitoba has been extended by cooperative efforts with MONOPROS Ltd. Eleven litre pails of till collected at each sampling site were concentrated, mineralogically picked and microprobed to provide mineral chemistry for classification purposes. Sample locations were withheld until release of the open file report to ensure security and equal opportunity for follow-up by all interested parties in the exploration community. This approach permitted diamond potential to be assessed in the 2000 survey area that under normal circumstances would have been too costly for the Manitoba Geological Survey to undertake.

As part of another cooperative arrangement with the Geological Survey of Canada, crown twig samples collected from black spruce trees were ashed in the GSC laboratories under the direct supervision of Dr. Colin Dunn. The vegetation geochemical samples were prepared with good control on ashing temperatures and contamination. Analyses were bracketed with vegetation geochemical standards prepared in these same laboratories, resulting in the development of a well constrained vegetation geochemical database.

The element Hg was analyzed in outcrop rock chip, b-horizon soil and humus samples as a specialty element. The analysis was undertaken at Activation Laboratories Ltd. (Ancaster, Ontario) using a flow injection mercury system (FIMS) designed by Perkin Elmer Ltd. Till was analyzed for Hg by cold vapour-atomic absorption spectrometry (AAS).

The interpretation of exploration geochemical data often relies upon the recognition of localized patterns of element variation. This approach to data interpretation is strongly recommended for the data presented from the 1999 Operation Superior multimedia geochemical survey. The interpretation of enzyme leach data is premised on the recognition of central lows or zones of low metal concentrations surrounded by or associated with elevated metal contents. This approach to interpretation is somewhat more difficult with irregularly distributed data, such as those collected during this survey, however the identification of a geochemical "cell" using the enzyme leach approach is most desirable. Apical or single point anomalies have been recognized in previous year's surveys.

The format of the 2000 multimedia geochemical survey report has been significantly modified from that produced in 1996. Data and preliminary interpretations for results from each of the sampling media are presented in two binders. This was achieved by producing element-and media-specific percentile bubble plots for the southern portion of the Knee Lake greenstone belt (NTS 53L) on the same page. This significantly reduces hardcopy volume. Finally, all text and graphical data are presented on CD-ROM for ease of computer applications. The design and construction of the CD-ROM was undertaken by Paul Lenton of the Manitoba Geological Survey.

## METHODOLOGY

Multimedia geochemical samples were collected on approximately 1 km centres or as dictated by access to landing sites using a float equipped helicopter (Bell Jet Ranger 206B). The procedure at each site was to establish, by way of hand augering, the location from which a till sample was to be collected. All other samples were collected in and around the immediate area of the till pit. Sample site locations were plotted on airphotos while viewing the sites from the helicopter subsequent to sample collection.

The specifics of sample collection, preparation and analyses, including data and derived products are described individually for each media type.

## DATA DISPLAY

Geochemical data for all sample types are presented in table format with site identification and UTM coordinates (Zone 15, NAD83). This same data is presented as delimited ASCII, EXCEL 4.0 files and ARCVIEW Tables on the CD-ROM enclosed in the back of this report. The variation in concentration of the various elements throughout the survey areas is presented as percentile interval bubble plots produced using ARCVIEW GIS software, digitized sample locations and analytical data. Percentile values represent the percentage of data points that fall below a certain analytical value; e.g. a 25$^{th}$ percentile value of 30 ppm Cu indicates that 25% of the data points have values for Cu that are less than 30 ppm. Likewise, at a 95$^{th}$ percentile value of 200 ppm Cu, only 5% of the data points would have values in excess of 200 ppm.

This presentation is a preliminary attempt to identify areas of high metal contents and thereby reduce the large areas surveyed to smaller areas for follow-up work. Although for any given area and sample medium the number of samples may be low for the calculation of percentiles, the user can still quickly assess geochemical response by examining non-transformed geochemical data. Users can manipulate the geochemical data in a manner appropriate to their needs by accessing the data on CD-ROM. Elements consistently below the Lower Limit of Detection (LLD) have been excluded from the data tables and are not discussed further. Samples with concentrations below the LLD for any particular element are assumed to have metal contents equivalent to ½ of the stated LLD. This value was also used for all plotting purposes. For brevity and simplicity in the graphical display of geochemical data only total rare earth element (TREE) is plotted for rock, humus and vegetation data. Concentrations for individual REE as well as total REE are presented in the Appendices.

Users will note that only simplified geology of the Knee Lake greenstone belt is presented on the percentile bubble plots. This geology was derived from a digital version of the 1:1 000 000 bedrock map of the province (Map 79-2) and the 1:250 000 Bedrock Geology Compilation Map Series map for NTS 53L. The UTM coordinates for sample sites are derived from 1:50 000 topographic maps. Sample numbers can be derived by overlaying the mylar sample site location map on the bubble plots. A comprehensive listing and description of the contents of the CD-ROM is available as a README document in the root directory of the CD-ROM.

## BEDROCK GEOLOGY AND MINERAL DEPOSITS OF THE 1999 SURVEY AREA

Multimedia geochemical and mineralogical surveys were conducted in the southern half of the Knee Lake greenstone belt in 1999 (Fig. 1). The simplified regional geology in the survey areas is presented in Figure 2. Figure 3a has the same geological base as Figure 2 with sample site locations. Figure 3b (in back pocket) is a mylar overlay showing the sample site locations. The area of the Knee Lake greenstone belt sampled in 1999 extends from the south end of Cinder Lake to south of Magill Lake and from the eastern boundary of the Oxford House Indian Reserve east to Bayly Lake.

### Knee Lake greenstone belt (southern half)

#### Introduction

The description of the geological setting of the Knee Lake greenstone belt is taken primarily from Gilbert (1985), Syme et al. (1997, 1998) and Lin et al. (1998). These reports summarize recent

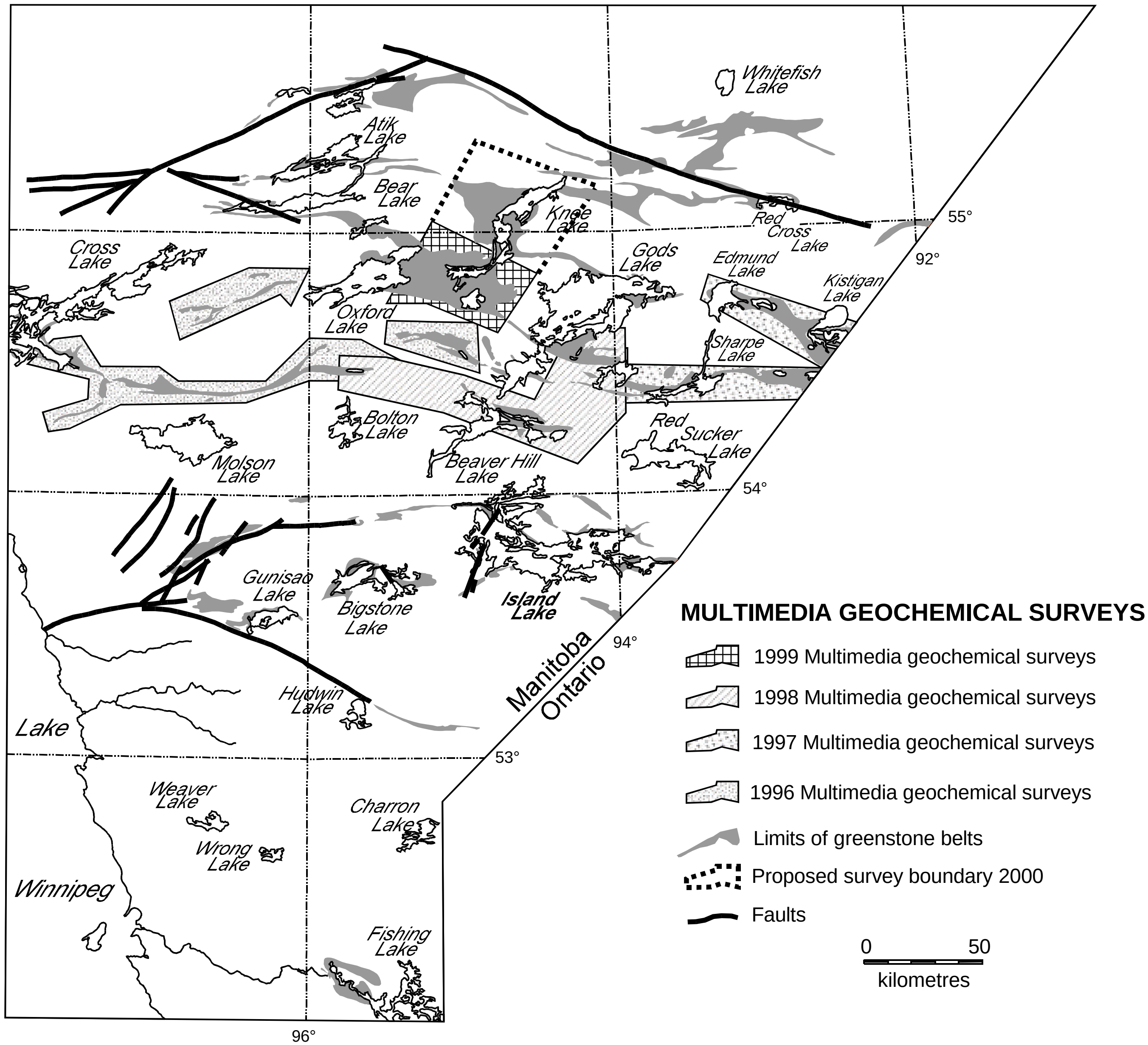


Figure 1: Location of multimedia geochemical surveys.

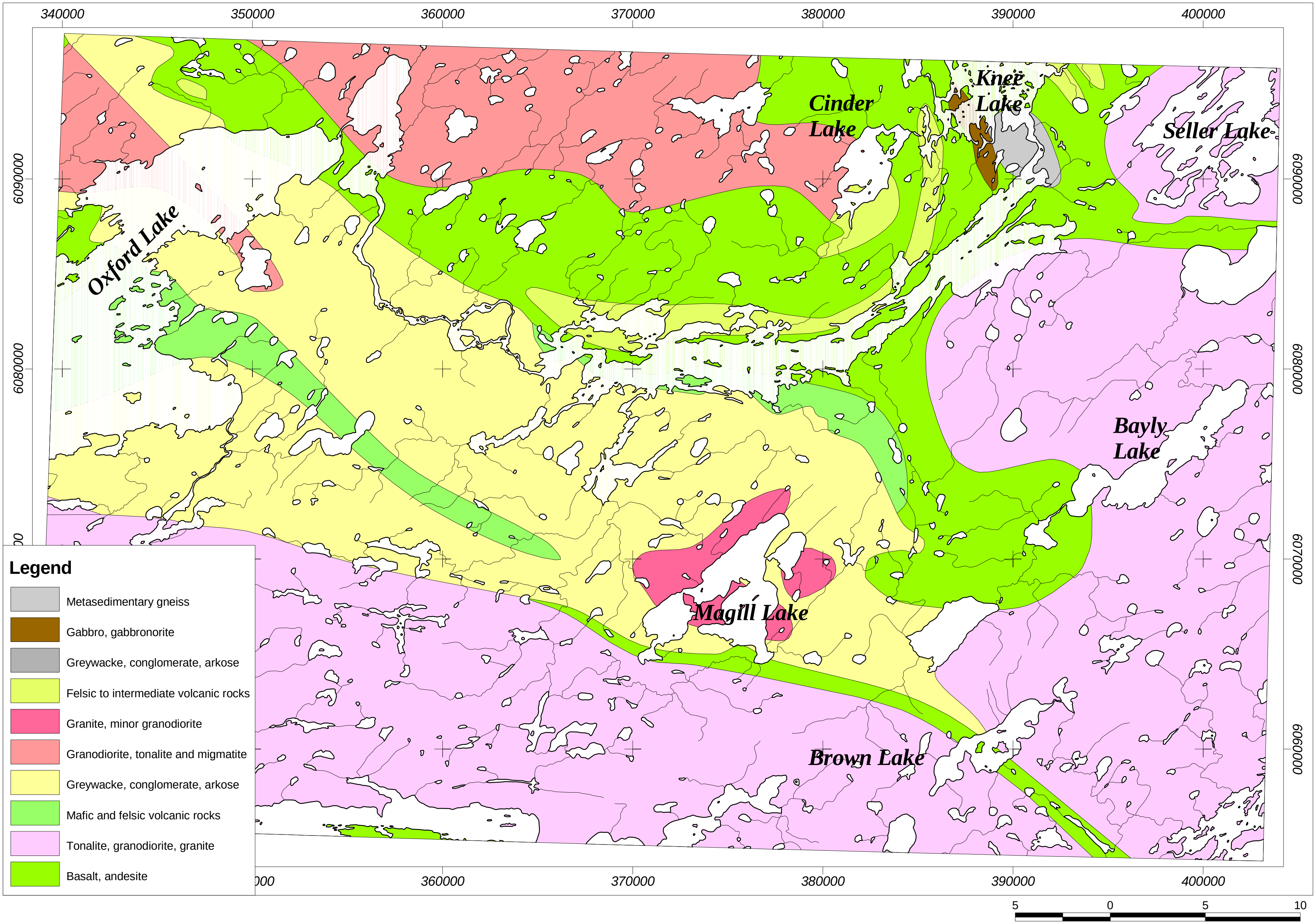


Figure 2: Regional geology in the 1999 survey area.

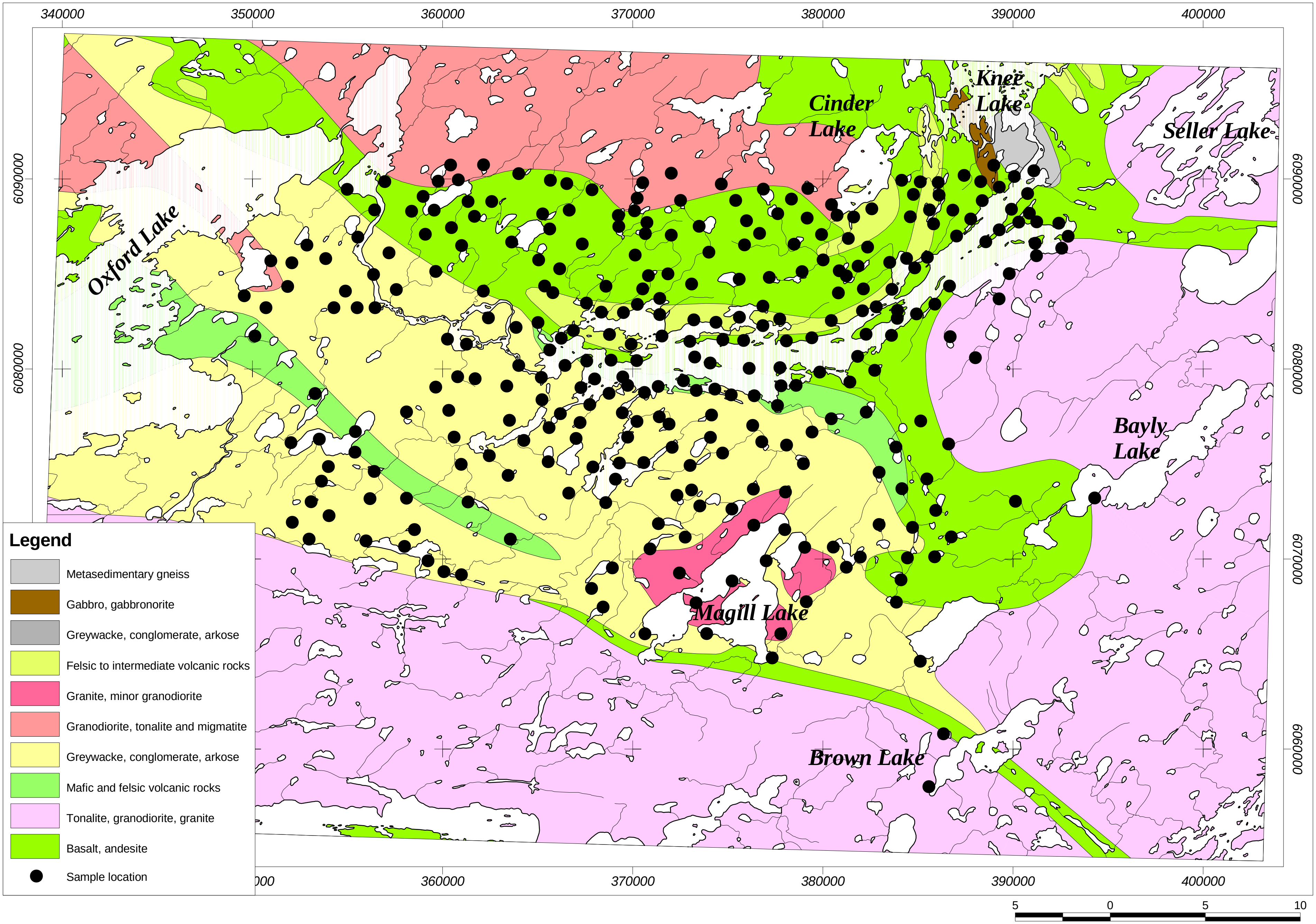


Figure 3a: Regional geology and multimedia sampling site in the 1999 survey area.

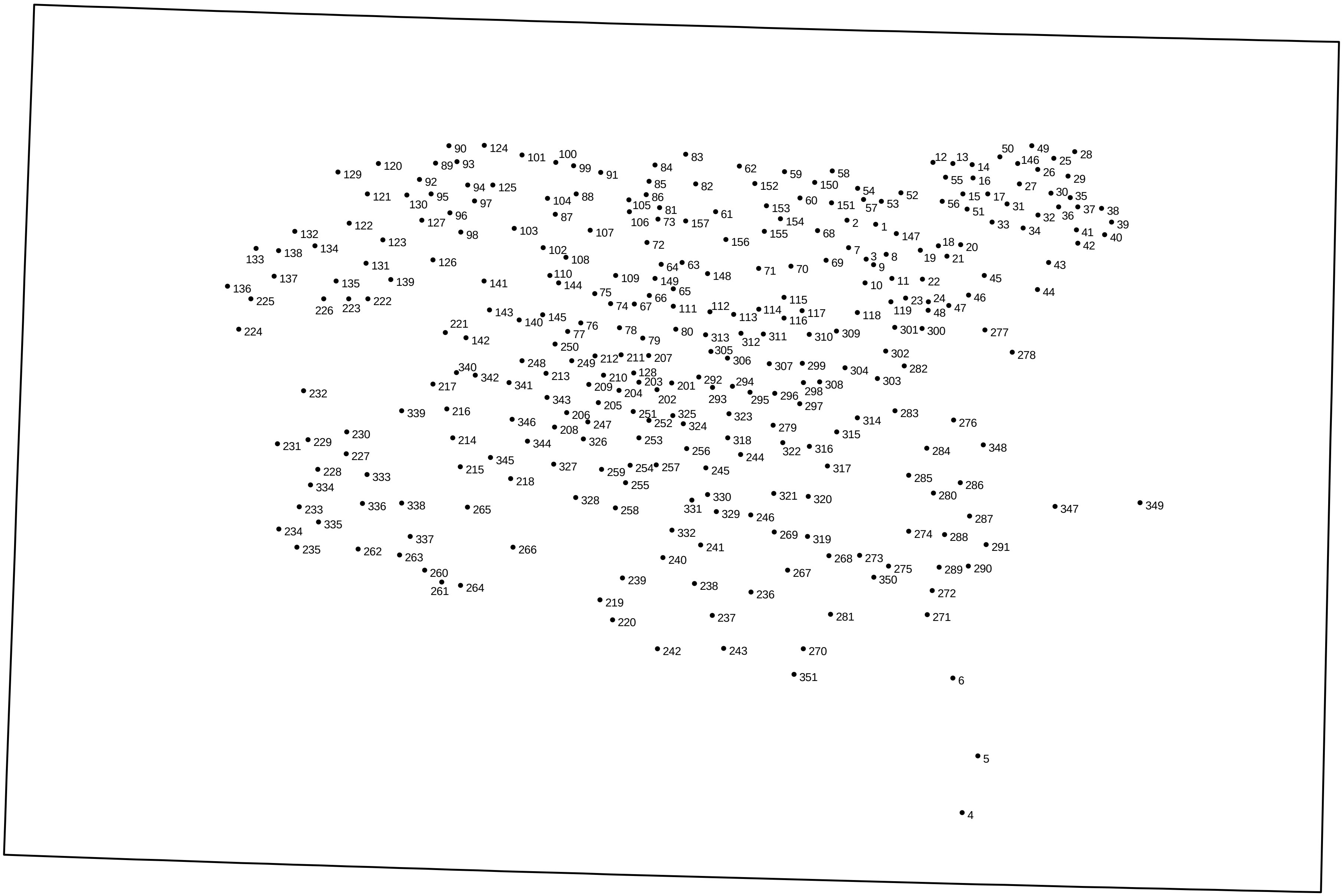

Figure 3b: Mylar sample site location map overlay for the 1999 multimedia geochemical survey.

geological mapping in the Knee Lake portion of the Superior Province and can be consulted for further details on the geology of the Knee Lake Belt, including individual unit descriptions. Additionally, work conducted prior to 1970 by Bruce (1919), Wright (1925, 1931), Springer (1946), Quinn (1955) and Barry (1959, 1964) provide a historical perspective and additional sources of information for this area.

### Geological setting

Supracrustal rocks in the Oxford Lake–Knee Lake Belt have been assigned to two principal stratigraphic groups, the Hayes River Group and Oxford Lake Group (Gilbert, 1985). Both groups are interpreted to have potential to host gold and base metal deposits.

The Hayes River Group is a predominantly volcanic sequence dominated by pillowed basalt and related gabbro, minor intermediate to felsic volcanic rocks and minor volcanogenic sedimentary rocks. Hubregtse (1976) described the volcanic rocks at Knee Lake in terms of five volcanic cycles, each comprising a lower, tholeiitic basalt section and an upper, calc-alkalic, intermediate to felsic portion locally containing sedimentary rocks and iron formation. The Hayes River Group section in the Knee Lake area is estimated to be 9.7 km thick (Gilbert, 1985); neither the base nor top is exposed. It represents the upper portion of the Hayes River Group, the lower portion being that exposed on Oxford Lake (Manitoba Energy and Mines, 1987). The base of the Hayes River Group has been intruded by tonalitic to granitic plutons and related gneisses of the Bayly Lake Complex.

The Oxford Lake Group is a younger predominantly sedimentary succession that lies unconformably on Hayes River Group volcanic rocks at Gods Lake (Gilbert, 1985). It consists of a lower, dominantly 'volcanic' subgroup of limited extent, overlain by more extensive sedimentary rocks extending 40 km from Oxford Lake to Magill Lake in a 12 km wide belt (Gilbert, 1985; Manitoba Energy and Mines, 1987). Volcanic rocks in the lower subgroup are shoshonitic to calc-alkalic in character (Hubregtse, 1976; Brooks et al., 1982; Gilbert, 1985) and include fragmental and flow rocks. Syme et al. (1998) interpret the fragmental rocks to be epiclastic (conglomerates) rather than volcanogenic (reworked pyroclastic rocks; Gilbert, 1985). Stratigraphic relations within the Oxford Lake Group suggest that the sedimentary rocks were deposited in shallow- to deep water basinal environments (Manitoba Energy and Mines, 1987).

### Structure

Preliminary structural analysis of the Knee Lake greenstone belt suggests that it has been affected by multiple generations of folding (Gilbert, 1985). The earliest folds recognized ($F_1$) are very tight to isoclinal with a locally developed axial planar cleavage ($S_1$). They are overprinted by $F_2$ folds that are also very tight to isoclinal but have a generally well developed axial planar cleavage ($S_2$). The $S_2$ is locally refolded by open $F_3$ folds. Very tight to isoclinal folds ($F_1$ or $F_2$) are also recognized at the mesoscopic scale, in many parts of the Knee Lake Belt, based on younging direction reversal, fold asymmetry change and repetition of lithological units. At several localities, clasts in the conglomerate of the Oxford Lake Group contain a pre-depositional foliation, indicating that rocks of the Hayes River Group had probably been deformed before deposition of the Oxford Lake Group. It is interesting and yet to be explained that, although deformation in the Hayes River Group is mainly concentrated in localized shear zones and many parts of the group are only very weakly deformed, rocks of the Oxford Lake Group are generally very strongly deformed.

Major west-northwest and northeast-trending faults and shear zones occur in southern Knee Lake (Lin et al., 1998). Rocks in these faults and shear zones are intensely deformed with well developed, steeply plunging stretching lineations.

The contact between the Hayes River Group and the Oxford Lake Group is defined by west-northwest-trending structures. Northeast-trending faults crosscut the Hayes River Group and Opischikona Narrows sedimentary rocks, resulting in a fault-bounded panel of sedimentary rocks extending through the centre of southern Knee

Lake. The ages of the west-northwest and northeast-trending faults and shear zones has not been precisely established although age dating of the 'volcanic' subgroup of the Oxford Lake Group and Opischikona Narrows sedimentary rocks is proceeding. Granodiorite dykes in amphibolite east of Opusinapis Point contain laminated mafic tectonite xenoliths, indicating that at least some deformation predates emplacement of voluminous granitoid plutons of the Bayly Lake Complex.

Lin et al. (1998) describe a zone of strong deformation that occurs in the southern portion of the Oxford Lake-Knee Lake greenstone belt. This zone, referred to as the Southern Knee Lake Shear Zone (SKSZ), strikes east-southeast, has an indicated dextral shear sense and is characterized as a dextral transpressional zone of shear. Transpressional shear zones are significant in terms of gold mineralization as evidenced by the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994).

### Metamorphism

Two distinct metamorphic zones are observed within the supracrustal assemblages in the southern Knee Lake greenstone belt. Lower to middle greenschist facies metamorphic mineral assemblages characterize the Hayes River Group and 'volcanic' subgroup of the Oxford Lake Group throughout the area. An exception occurs to the east of the northeast-trending fault through Omusinapis Point, where Hayes River Group basalts contain amphibolite facies mineral assemblages. Rocks crosscut by the Seller Lake shear zone also contain amphibolite facies mineral assemblages. These rocks are abruptly truncated at a northeast-trending fault zone across which there is a change to greenschist grade. A second major break occurs between the 'volcanic' subgroup and the 'sedimentary' subgroup of the Oxford Lake Group on the south side of Knee Lake. The change from greenschist to amphibolite grade is abrupt; however, there is a stepwise increase in metamorphic grade, recrystallization and regional deformation to the south. Each increase appears to be controlled by faults. In the fluvial greywacke sequence primary features are well preserved. Garnet occurs in mafic interbeds within iron formation to the south in the marine sedimentary rocks.

### Mineral deposits

To date, economic deposits of base and/or precious metals have not been discovered in the southern portion of the Knee Lake Belt. A compilation of known occurrences is available in Gale et al. (1980). This database is currently being updated. Southard (1977) also describes mineralization and reviews exploration history for the Knee Lake area. The western end of Knee Lake is characterized by abundant iron oxide gossans that have attracted the attention of prospectors since the early 1900s. Diamond drilling in the vicinity of these gossans invariably intersected pyrite, pyrrhotite and very minor chalcopyrite. Typical of these intersections is a 16m thick near-solid to solid pyrite and pyrrhotite layer that occurs at or near the contact between rhyolite and andesite. This work was undertaken by Selco Exploration Company Limited on claim block 1698 (NTS 53L/14). Gold mineralization was discovered at the west end of Knee Lake in a 20 m wide shear zone of sericite-carbonate schist and graphite schist. Within this shear zone are quartz lenses containing visible gold; pyritized wallrocks adjacent to the quartz lenses contained low gold values (Southard, 1977). An occurrence of cross fiber asbestos occurs in a concentrically zoned ultramafic intrusion in Pain Killer Bay in the southern Knee Lake Belt. The sheared and fractured intrusion is cored by fine-grained serpentinite with an intermediate zone of medium-grained serpentinized peridotite-pyroxenite and an outer zone of fine-grained serpentinite. Cross fiber asbestos and picrolite-magnetite veinlets are common near the outer margins of the intrusion (Scoates, 1971).

Despite the absence of production from base metal deposits the subaqueous volcanic stratigraphy of the Hayes River Group are interpreted as having potential to contain volcanogenic massive sulphide-type deposits (VMS; Gale et al., 1980). These volcanic rocks include tholeiitic basalts as well as calc-alkaline intermediate to felsic flows and volcaniclastic rocks (Hubregtse, 1976). This suggests that at least part of the Hayes River Group was emplaced in an arc environment. Specific factors suggesting VMS potential include the presence of a large, proximal felsic volcanic complex (Pain Killer Bay), presence of coarse felsic volcaniclastic rocks, and identification of altered basalts. Hayes River Group basalts are unusually pale weathering throughout most of the Knee Lake area. This low-grade pervasive alteration locally intensifies such that the basalts weather white, are very light grey on fresh surfaces, and primary structures are obliterated. The alteration is manifest as an epidote/clinozoisite-albite-quartz rock, with patchy rust gossans locally developed in the most intensely altered rocks in the Pain Killer Bay area. Chemical analyses of the altered and less-altered rocks are pending.

Gale et al. (1980), in a study of massive sulphide depositional environments in the Knee Lake Belt, recognized litho-domain units with high potential to contain massive sulphide-type deposits (cf. Gale et al., 1980, Map ER79-1-8). The highest potential areas are based upon the presence of favourable geology and/or presence of known massive sulphide-type deposits (‘Type 1’). Significant potential is also indicated by favourable geology but without documented evidence of massive sulphide mineralization (‘Type 2’). Examples of drill-indicated massive sulphide lenses with known alteration zones and/or stringer sulphide mineralization in Type 1 areas of the southern Knee Lake Belt are described in Gale et al. (1980).

A gold occurrence marked by minor gossan with disseminated pyrite occurs in gabbro and deformed gabbro on the north side of the shear zone that separates the Hayes River and Oxford Lake groups at the west end of Knee Lake (SKSZ). The regional association of gold with gabbro and sheared gabbro is significant (e.g. at the Westmin-Tanqueray deposits on Little Stull Lake and on the north side of Noranda's Twin Lakes deposits). However, a variety of rock types are associated with gold throughout the region (Richardson and Ostry, 1996; Lin, 1998): greywacke and iron formation in pillowed basalt at Gods Lake gold mine; felsic volcanic rocks and polymictic conglomerate at the Twin Lakes Seeber River deposits; and mafic volcanic rocks at their contact with tonalite to granodiorite in the Henderson Island gold deposit. The significant characteristic common to these deposits and showings is major alteration zones in association with late ductile-brittle deformation zones (Lin, 1998). The complex series of younger shear zones is interpreted to represent part of a regionally extensive anastomosing network of long-lived deformation zones. Significant gold occurrences or deposits have been reported in the west Oxford Lake–Carrot River area, in association with extensions of the Knee Lake shear zones to the west and to the east in Gods Lake and Little Stull Lake areas.

## QUATERNARY GEOLOGY OF THE 1999 SURVEY AREA

### Introduction

Till samples for geochemical and kimberlite indicator mineral analyses were collected in the southern Knee Lake area as part of the continuing multimedia geochemical survey program in the northern Superior Province. As in previous years, striae directions, drumlin orientations, observations on sediment texture and composition and data on the local geomorphology of relevance to the interpretation of the geochemistry and kimberlite indicator mineral distribution were collected during the field program.

### Stratigraphy

The Quaternary stratigraphy in the southern Knee Lake area, as revealed in hand-dug pits, consists of a single till sheet blanketed by glaciolacustrine silt and clay and a variety of organic wetland deposits. The wetlands and the extensive glaciolacustrine sediments that underlie the wetlands and blanket many of the low hills are an impediment to till sampling from hand-dug holes. Wetlands are particularly extensive in the area northwest of Bayly Lake and northeast of Magill Lake.

Till is widespread and occurs as a relatively thin discontinuous blanket between bedrock hills throughout most of the area. In addition to the ubiquitous till sheet, drumlins or drumlinoid ridges are widespread in the western part of the area, especially in the region north and south of the Hayes River immediately east of Oxford House. The till sheet and the majority of the drumlins are composed of highly calcareous beige to gray, fine textured, allochthonous till derived in large part from the Hudson Bay Lowland. The till is similar to that described from other parts of the northern Superior Province by Fedikow et al. (1999). The total carbonate content of the silt plus clay fraction is relatively uniform across the area with a mean of 40%. The single most noticeable difference between the drumlin and non-drumlin terrain is the till thickness. The till in drumlins is generally thicker, and bedrock outcrops fewer, than in areas where there are no drumlins. Many but not all drumlins, east of Oxford House are composed almost exclusively of sand and gravel and, in places, poorly sorted diamicton. Extensive exposures formed as the result of aggregate extraction at sites 217, 223, 225 and elsewhere, clearly indicate a glaciofluvial origin for these features.

Several eskers cross the area from the northeast towards the southwest. The largest and most prominent is the esker at the western end of Bayly Lake which trends southwest towards Hawkins Lake and south of Magill Lake. Till is not generally found within one kilometre of the esker flanks either because it was not deposited in these areas or possibly because it was not preserved due to glaciofluvial activity. Areas adjacent to eskers are characterized by glaciolacustrine silt and clay directly overlying the bedrock and, for this reason were generally not sampled.

### Ice flow direction

Striae measured at 23 locations indicate the main ice flow across the area was towards 230°. A single striation measurement towards 116° at site 281 indicates that the ice flow movements affected the area, but the age of this striation relative to the main flow could not be determined.

The mean striae direction towards 230° is coincident with the orientation of drumlins and drumlinoid ridges and eskers across the area.

## ACKNOWLEDGMENTS

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## ROCK GEOCHEMICAL SURVEY

### Sample collection, preparation and analysis

Outcrop rock chip samples were collected from the Knee Lake greenstone belt after moss mats and soil were removed from the outcrop. A representative sample consisted of 3-4 fist-sized chips. These chips were jaw crushed to maximum 5 mm fragments and powdered in a tungsten carbide swing mill. The powders were homogenized by rolling and then split and placed into vials each weighing approximately 55 grams. Vials were then submitted for INA and ICP-AES analyses at Activation Laboratories Ltd. The ICP-AES analyses are based upon a four acid total digestion. Hg was analyzed using a flow injection mercury system developed by Perkin-Elmer Ltd. Hydrogen ion ($H^+$) and specific conductance were analyzed in the Geological Survey of Canada laboratory. Descriptions of outcrop rock chip samples are given in Appendix R-1. Geochemical data is presented in Appendices R-2 (ICP-AES, $H^+$, *K* and Hg) and R-5 (INAA); geochemical data for sites where more than one sample was collected is presented in Appendices R-3 (ICP-AES, $H^+$, *K* and Hg) and R-6 (INAA). Percentile bubble plots are in Appendices R-4 (ICP-AES, $H^+$, *K* and Hg) and R-7 (INAA). Where more than one rock chip sample was collected from a site the sample with the highest analysis of a particular element was plotted.

### Format

Rock geochemical data is described and presented as a geochemical narrative for samples collected from the Knee Lake greenstone belt. This narrative relates the variation in concentration of individual elements to geological features such as rock types or structures. In a subsequent section entitled 'synthesis', a detailed discussion and summary of element variations integrating specific geophysical signatures, mineral deposits and geological characteristics is presented. Elements are grouped and discussed in turn according to their analytical technique. Accordingly, the descriptions proceed from Hg (FIMS) to INAA to ICP-AES and finally $H^+$ and specific conductance.

## Results

### Instrumental neutron activation (INA)

**Au:** Outcrops along the south shore of the Knee Lake Belt are marked by several high Au responses. A 100$^{th}$ percentile of 1150 ppb occurs at site 302 in a sample of rusty weathered basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and chalcopyrite. Two 99$^{th}$ percentile responses occur at site 203 (156 ppb) and site 128 (104 ppb). Site 128 is situated on a small outcrop island that may be submerged when water levels in the lake are high. The sample was collected from a rusty weathered layer in strongly foliated grey-green weathering basalt exposed on the south side of the island. The sample contained 1% disseminated pyrite and 5% disseminated arsenopyrite. A second high gold response of 277 ppb (100$^{th}$ percentile; site 281) occurs at or near the contact between greywacke and granite of the Magill Lake intrusion. Two 98$^{th}$ percentile responses of 41 and 82 ppb occur at site 312 on Long Island in the west end of the lake and a third (59 ppb) occurs at site 20 where a sericitic-pyritic quartz porphyry is exposed.

**As:** Exceptional As concentrations are documented from outcrop exposed along the south shore of the west end of Knee Lake. These include: a 100$^{th}$ percentile response of 8970 ppm (site 128; grey-green and rusty weathering basalt; 104 ppb Au), a 99$^{th}$ percentile of 1290 ppm (site 295; strongly silicified, fine-grained grey weathering siltstone with disseminated pyrite, arsenopyrite, molybdenite and/or galena) and a 98$^{th}$ percentile of 273 ppm (site 213; rusty weathering chlorite-garnet-quartz silicate facies iron formation with 2-5% disseminated and veinlet pyrite). At site 20 (59 ppb Au), a beige weathering sericitic quartz porphyry with 1% very fine-grained pyrite is marked by a 98$^{th}$ percentile of 657 ppm. Site 281 (altered intermediate and mafic sedimentary rocks) at the east side of the Magill Lake intrusion is marked by 100$^{th}$ (1440 ppm) and 98$^{th}$ percentile (557 ppm) responses.

**Ba**: The highest Ba response in the Knee Lake Belt occurs at the southwest end of Cinder Lake (3200 ppm; 100$^{th}$ percentile; site 54) in a grey-green weathering, sucrosic textured intermediate intrusion (?) with 2-3% disseminated pyrite +/- chalcopyrite. A second $100^{th}$ percentile occurs at site 213 (1900 ppm; silicified garnetiferous greywacke with 5% disseminated pyrite). A $99^{th}$ percentile of 1800 ppm occurs at site 26 in a sample of green-grey weathering, non-mineralized basalt. A $98^{th}$ percentile of 1300 ppm (site 5) occurs at the west side of Brown Lake near the southeast tip of the belt. The lithology sampled at this site is a pink weathering, epidotized protomylonitic quartz monzonite with 1% disseminated euhedral pyrite.

**Br:** A cluster of a $100^{th}$ (24.6 ppm), $98^{th}$ (20.5 ppm) and $95^{th}$ (9.7 ppm) percentile responses is documented from adjacent sites 260, 261 and 264 in sedimentary rocks near the southern margin of the belt. Single point anomalies are represented by a $100^{th}$ percentile response at site 295 (23.9 ppm; strongly silicified, fine-grained, grey weathering siltstone (?) with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena) on the south shore of west Knee Lake and from site 266 ($99^{th}$ percentile of 21.4 ppm in a rusty weathering, foliated and fractured massive feldspar porphyritic and pillow basalt).

**Ca:** High Ca responses occur at site 82 ($100^{th}$ percentile, 12%) in fine-grained, silicified, rusty and dark green weathering epidotized basalts, and in a dark grey weathering silicified greywacke (?) with 1-3% disseminated pyrite and pyrrhotite and 5% chalcopyrite and pyrrhotite veinlets at site 302 ($100^{th}$ percentile, 13%). It should be noted that a second sample collected at this site was a rusty weathering, strongly foliated basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and minor chalcopyrite.

**Co:** Anomalous Co responses were identified from three areally separated sample sites. The $100^{th}$ percentiles of 132 ppm (site 21; fine-grained green weathering gabbro crosscut by fine carbonate fractures) and 117 ppm (site 302; silicified and mineralized biotite greywacke) occur in the east end and northeast portions of the southern end of south Knee Lake. A $99^{th}$ percentile of 112 ppm (site 312) occurs in a sample collected from trenches on Long Island in the west end of the lake. Strongly foliated and altered basalt with near-solid laminae of pyrite were sampled at this locality.

**Cr:** Two sites in the northeast corner of the area sampled in 1999 are marked by very high Cr contents. These responses are $100^{th}$ percentiles and were documented from sites 21 (2700 ppm) and 30 (2280 ppm). Site 21 is characterized by fine-grained gabbro with less than 5% pyrite (also high Co) and site 30 by a light green and strongly rusty weathering gabbro that is crosscut by carbonate-filled fractures and non-mineralized quartz veins of multiple orientations. Site 297 is marked by a $99^{th}$ percentile response of 1230 ppm.

**Cs:** Two sites with anomalous Cs contents occur on the south shore of the west end of Knee Lake in marine sedimentary rocks. Site 128 ($100^{th}$ percentile; 131 ppm) is characterized by rusty weathering basalt with disseminated pyrite (1%) and arsenopyrite (5%) and is anomalous in Au and As. Site 295 ($100^{th}$ percentile; 125 ppm). A $99^{th}$ percentile response of 81 ppm occurs southwest of site 295 at site 259. Two $98^{th}$ percentile responses occur at adjacent sites 54 (14 ppm) and 58 (12 ppm) southwest of Cinder Lake and at or near the contact between supracrustal rocks and granodiorite. A third $98^{th}$ percentile (site 241, 62 ppm; rusty weathering, nonmineralized greywacke) is documented near the west side of the Magill Lake intrusion.

**Fe**: The $100^{th}$ percentile responses for Fe at sites 294 (30%) and 312 (30.3%) represent near solid pyrite with white quartz veins and solid pyrite, respectively. Site 295 (adjacent to site 294) is marked by a $99^{th}$ percentile of 25.1% Fe. A $98^{th}$ percentile occurs on the east side of the Magill Lake intrusion and two adjacent $98^{th}$ percentile responses are recorded from sites 301 and 302 near the east end of southern Knee Lake.

**Hf:** Three moderate to low contrast Hf responses (4-8 ppm) representing $98^{th}$-$100^{th}$ percentiles are observed at three widely separated sites. The $100^{th}$ percentiles of 12 ppm (site 48; grey weathering, deformed skarn float? with 5% pyrite) and 8 ppm (site 54; grey-green weathering, sucrosic textured intermediate intrusion?) occur southwest of Cinder Lake and in the east end of south Knee Lake, respectively. The third high Hf response occurs at site 213 (5 ppm; strongly foliated and silicified garnetiferous greywacke with 5% disseminated greywacke) in the southwest corner of Knee Lake.

**Mo**: Mo values in rock chip samples from the 1999 sampling area are moderate to low with the higher concentrations documented east of Cinder Lake. In this area a 100$^{th}$ percentile response occurs at site 30 (13 ppm) in a light green and rusty weathering basalt crosscut by rusty weathering carbonate veinlets and quartz veins. A 99$^{th}$ percentile of 9 ppm occurs at site 13 in a sample of gabbro that contains 1% disseminated pyrite.

**Na**: Areally extensive zones of significant Na depletion were not detected in the 1999 survey area. The 100$^{th}$ percentile response at site 5 (6.33%) is from a gneissose and chloritic green-pink weathering epidotized tonalite at Brown Lake. The 100$^{th}$ percentile responses of 5.44% at site 295 and the 99$^{th}$ percentile response of 5.31% (site 297) are attributed to strongly silicified, fine-grained, grey weathering siltstone with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena and pyroxenite, respectively.

**Ni**: Elevated Ni responses occur at site 21 (100$^{th}$ percentile, 1120 ppm) in gabbro and at site 302 (100$^{th}$ percentile, 1640 ppm) in silicified biotite greywacke with 1-3% disseminated pyrite and pyrrhotite as well as 5% veinlet chalcopyrite and pyrrhotite (mobilisate?). A 99$^{th}$ percentile of 919 ppm occurs at site 297 in olive green weathering ultramafic sedimentary rock. Two 98$^{th}$ percentile responses of 442 and 405 ppm occur at sites 303 (fine-grained ultramafic sedimentary rock) and 304 (greywacke), respectively.

**Rb**: In the Magill Lake intrusion three significant Rb responses are noted and are interpreted to reflect the granite-granodiorite lithology at these sites. Site 241 is marked by a 100$^{th}$ percentile (396 ppm) response and at site 268 a 99$^{th}$ percentile of 320 ppm is documented. The third high Rb analysis comes from a sample collected at site 269 that contained 195 ppm (98$^{th}$ percentile). A single point anomaly occurs at site 48 (393 ppm) in a grey, strongly foliated and altered skarn float (?).

**Sb**: The distribution of elevated Sb in the Knee Lake Belt occurs in the central and west ends of the belt. Sites 294 (11.2 ppm, near solid pyrite with white, nonmineralized quartz veins) and 312 (12.3 ppm, solid pyrite) represent 100$^{th}$ percentile responses in the central area of the west end of the belt. At sites 78 and 128, 98$^{th}$ percentiles of 5.2 and 4.8 ppm, respectively are documented. The rock chip sample of rusty weathering basalt collected from site 128 is also anomalous in Au and As. A single 99$^{th}$ percentile (10.4 ppm) occurs at site 230 east of the southeast end of Oxford Lake.

**Sc**: The 100$^{th}$ percentile Sc responses occur at sites 63 and 266. The sample at site 63 contained 70 ppm from a medium-grained, dark green and rusty weathering silicified gabbro with 2-3% disseminated pyrite and chalcopyrite. The sample at site 266 is a rusty weathered foliated and fractured massive feldspar porphyritic and pillow basalt with 54 ppm Sc.

**Sr:** A 100$^{th}$ percentile Sr response is observed at site 54 (0.32%) in a sample of a grey-green weathering, sucrosic textured and strongly foliated intermediate intrusion with 1-3% disseminated pyrite and chalcopyrite. A second 100$^{th}$ percentile occurs at site 298 (0.15%) on the south shore of west Knee Lake. A single 99$^{th}$ percentile is documented from site 48 (0.14%) in a float sample that is a pink carbonate-tourmaline-quartz-muscovite rock with 3-5% disseminated chalcopyrite.

**Ta**: Low contrast Ta responses are apparent from the Knee Lake rock geochemical survey with 100$^{th}$ percentiles of 62.7 ppm at site 295 and 30.7 ppm at site 259. The lithology sampled at site 295 is a strongly silicified, fine-grained, grey weathering siltstone with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena. Site 259 is characyterized by a rusty weathering strongly foliated garnet-biotite greywacke with 1-5% disseminated pyrite. A 99th percentile of 3 ppm occurs in a sample of coarse-grained Magill Lake granite at site 268.

**Th**: Two sites of elevated Th are documented from the southern portion of the Knee Lake Belt with 100th percentile responses of 20.1 ppm at site 311 (dark grey to black weathering very fine-grained cherty siltstone) and 28.6 ppm at site 269 (white to grey weathering Magill Lake pegmatitic granite). A 99th percentile of 18.2 ppm occurs at site 54 in a grey-green rusty weathering sucrosic textured and strongly foliated intermediate intrusion. This rock contains 1-3% disseminated pyrite and chalcopyrite.

**U**: The U responses in the 1999 survey area are greatest from sites 268 and 269 where the lithology sampled was a coarse grained to pegmatitic granite at Magill Lake. The responses were 9.9 and 17.4 ppm, respectively. Most other sites gave low responses with a 99th percentile of 9.8 ppm in a fine-grained intermediate intrusion at site 54.

**W**: Three anomalously high W responses were documented from sites 203, 259 and 281. The responses at sites 203 (120 ppm) and 259 (44 ppm) occur in strongly foliated and rusty weathering greywacke with 5% disseminated pyrite at both sites. The 99th percentile (site 281) of 37 ppm occurs in a rusty weathering hornblende-garnet-biotite-quartz altered sedimentary rock with 1-5% disseminated and veinlet pyrite with rare stubby arsenopyrite grains. This lithology is close to the contact with the Magill Lake intrusion.

**Zn**: The 100th percentile responses for Zn occur at sites 288 (212 ppm) and 57 (296 ppm). Site 288 occurs in the southeast survey area east of the north end of Magill Lake and site 57 is near the south end of Cinder Lake. The rock chip sample from site 288 is a strongly foliated biotite-greywacke with 1% disseminated pyrite and thin, monomineralic pyrite laminae. Site 57 is marked by green and rusty weathering pillow basalt and pillow breccia with 5% disseminated and veinlet pyrite and lesser chalcopyrite in pillow and breccia interstices.

**TREE**: The rare earth element response is presented as the “total” or summation of individual REE for purposes of simplicity and brevity in this report. Individual REE analyses are presented in the Appendices. There are three areas of high TREE responses in the survey area. Two 100th percentiles are located at sites 45 (440 ppm) and 54 (462 ppm) with a 99th percentile response of 372 ppm. The site 54 response is from a fine-grained, green-grey weathering sucrosic textured intermediate intrusion with 1-3% disseminated pyrite and chalcopyrite located near the south end of Cinder Lake. Site 45 is characterized by a light green weathering, strongly foliated, nonmineralized basalt that is crosscut by fine calcite veinlets whereas the host rocks at site 311 are dark grey weathering, cherty, non-mineralized siltstone.

### Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

**Mo**: Mo anomalies are present in three separate areas in the southern Knee Lake Belt. Two of these responses occur east of Cinder Lake. A cluster of five sites with 100th to 90th percentile responses define a linear zone that parallels the general trend of the lake in this area. A layer of felsic volcanic rocks in the area immediately east of Cinder Lake is marked by 99th and 95th percentile responses (9-13 ppm). A single 100th percentile response (29 ppm) occurs at site 259.

**Cu**: The southern Knee Lake area is characterised by widely spaced single site 100th percentile responses at sites 36 and 70 (1178 ppm and 1806 ppm, respectively) and a 99th percentile of 534 ppm at site 63. A three site cluster (sites 128, 202 and 251) of 98th percentile responses occurs along the Southern Knee Lake Shear Zone (SKSZ) with Cu values between 249 and 482 ppm.

**Ag**: Ag values in the southern half of the belt are low. The 100th percentile responses occur at sites 202 (1.7 ppm) and 312 (1.8 ppm) with a single site 99th percentile at site 70 (1.2 ppm). The highest responses occur along the SKSZ on the south shore of the lake (site 202, 1.7 ppm) and in strongly foliated basalt with near solid iron sulphide laminae on Long Island (site 312).

**Pb**: Low contrast Pb responses are clustered along the south shore of southern Knee Lake in association with strongly foliated rocks within the SKSZ (8-35 ppm, 100th-90th percentiles) and from one site on Long Island (site 312, 19 ppm). The sample from site 312 is a strongly foliated and altered basalt with near solid pyrite-pyrrhotite laminae. Site 54 at the southwest end of Cinder Lake (100th percentile of 38 ppm) is marked by a fine-grained pink intrusion (?) with disseminated pyrite.

**Ni**: The 100th percentile responses in the southern Knee Lake Belt appear to be spatially associated with outcrop sampled at the southern and northern lake shore in the eastern part of the survey area. This includes 795, 731 and 1372 ppm at sites 21, 297 and 302, respectively. Lithologies at these sites include green weathering, fine-grained gabbro (site 21), olive green weathering, fine-grained ultramafic sedimentary rock (site 297) and rusty weathering, silicified and strongly foliated basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and chalcopyrite.

**Mn**: Significant Mn responses in the southern Knee Lake Belt are clustered in the eastern portion of the area sampled in 1999. A group of 100th to 90th percentiles form a north-northeast-trending response that parallels local drainage patterns and has an approximate 10 km strike length. This geochemical feature may represent a shear zone. A three site (15, 17 and 51) cluster defines an anomaly (850-2900 ppm) centered on a band of felsic volcanic rocks east of Cinder Lake.

**Sr**: Significant Sr responses in the Knee Lake Belt are limited to a single sample 100th percentile of 2315 ppm at site 54 at the southwest end of Cinder Lake in a fine-grained to sucrosic textured felsic intrusion and to adjacent sites 48 (100th percentile; 1119 ppm) and 301 (99th percentile; 539 ppm) on the south shore of the lake.

**Be**: Low contents of Be were documented in most samples collected within the 1999 survey area with the exception of sites 52 and 54 at the southwest end of Cinder Lake (100th and 98th percentiles; 1 and 8 ppm, respectively) and single site anomalous responses at site 259 (100th percentile; 7ppm), site 295 (99th percentile; 3 ppm) and at site 281 (98th percentile; 1 ppm). All other Be analyses throughout the 1999 survey area are less than the lower limit of detection.

**Bi**: Bi responses in outcrop chip samples are below the limits of detection (10 ppm) for all samples collected in 1999.

**V**: Vanadium responses west of Cinder Lake form a multisite north-northeast-trending geochemical linear consisting of 100th-90th percentiles (262-96 ppm). This feature parallels local drainage patterns and correlates to patterns observed for Ca and Al. A 100th percentile response of 237 ppm (site 51) occurs east of Cinder Lake from a linear belt of felsic volcanic rocks.

**Ca**: Significant anomalous Ca responses are confined to two areas in the 1999 survey. The first is a north-northeast-trending linear feature of 90-100th percentile responses (2.6-8.15% Ca) situated near the east end of the survey area. This feature parallels local drainage patterns and mimics Mn and Al trends. A second multiple site anomaly occurs in association with a band of felsic volcanic rocks east of Cinder Lake. The elevated Ca within the north-northeast linear may reflect carbonate alteration accompanying a shear zone.

**Zn:** Two areas of relatively low contrast Zn responses are noted from the 1999 survey area. These include two 100th percentile responses at sites 54 (127 ppm) and 57 (127 ppm) at the southwest end of Cinder Lake and a single site 99th percentile response of 110 ppm at site 72. The lithologies at sites 54 and 57 include a mineralized fine-grained pink, felsic intrusion (?) and a sequence of rusty weathered and mineralized basaltic pillows and pillow breccias, respectively.

**Cd**: A cluster of 100$^{th}$, 99$^{th}$ and 98$^{th}$ percentile responses in the southern Knee Lake Belt occurs at sites 10 (1.3 ppm), 11 (1.3 ppm) and 301 (1.1 ppm) near the eastern end of southern Knee Lake. A second 100$^{th}$ percentile occurs at site 128 within the SKSZ.

**P**: Phosphorus responses in the southern Knee Lake Belt tend to be scattered without particular focus with the exception of outcrop rock chips collected from the SKSZ. A string of 90$^{th}$-95$^{th}$ percentile responses mark the south shore of the lake; three 100$^{th}$ percentile responses are documented from widely spaced sites 54 (1857 ppm), 63 (4139 ppm) and 213 (2326 ppm). Lithologies at these sites include a fine-grained felsic intrusion with disseminated pyrite at site 54 , a rusty weathering, silicified melagabbro with 2-3% disseminated pyrite and chalcopyrite at site 63, and a silicified greywacke with 5% disseminated pyrite at site 213.

**Mg**: A pattern of regional Mg enrichment is recognized in the basaltic rock dominated northern half of the 1999 survey area. In particular elevated Mg occurs in samples collected from a band of felsic volcanic rocks that extends from east of Cinder Lake south to the shore of Knee Lake. Within this unit, gabbro sampled from sites 14 (98$^{th}$ percentile; 3.24%) and 21 (100$^{th}$ percentile; 12.2%) are notable. High Mg contents are documented from samples of pyroxenite at site 297 (100$^{th}$ percentile; 6.81%) and a fine-grained, rusty weathering siltstone (?) at site 292 (99$^{th}$ percentile; 5.59%).

**Ti**: Ti contents for samples collected from the north half of the 1999 sampling area are predictably higher than for samples collected from the south half of the area. This reflects the predominantly basaltic volcanic rock-dominated northern half of the belt. A linear, north-northeast-trending response for elevated Ti is noted from an area just west of Cinder Lake extending south to the Knee Lake shoreline. This trend generally parallels local drainage patterns and corresponds to similar patterns noted for Ca, Al, Mn and Sc.

**Al**: Elevated Al (100$^{th}$–90$^{th}$ percentiles) in the east end of the 1999 survey area delineate a north-northeast-trending zone of elevated Al. This feature parallels local drainage; a similar geochemical feature is documented for Ca, V, Y, and Mn. An isolated single sample 100$^{th}$ percentile occurs at site 104 (3.95%). Moderate to low contrast Al responses are noted from the area of a linear band of felsic volcanic rocks east of Cinder Lake. Elevated Al in rocks may be reflecting the development of hydrated phyllosilicate mineral assemblages that reflect local alteration developed along structures and/or within the alteration halo of mineralizing systems.

**K**: Significant K enrichment in the southern Knee Lake Belt is present in outcrop in the SKSZ with a 100$^{th}$ percentile of 2.6% at site 292 (fine-grained, rusty weathered siltstone?). Elevated K is noted at site 227 (100$^{th}$ percentile; 2.64%) in foliated biotite greywacke and at site 141 (99$^{th}$ percentile; 2.35%) in rusty weathering, strongly foliated basalt with quartz-carbonate veinlets.

**Y**: The Y responses from the 1999 survey area define a linear, north-northeast-trending geochemical anomaly that extends from the west end of Cinder Lake to the shore of Knee Lake for a distance of approximately 10 km. The 100$^{th}$ percentile response within this feature is observed at site 48 (altered and mineralized intermediate sedimentary (?) rock, 44 ppm). A 99$^{th}$ percentile occurs at site 54 (fine-grained, pink intrusion (?), 20 ppm). A second 99$^{th}$ percentile occurs at site 63 (rusty weathered silicified melagabbro, 20 ppm) west of the linear Cinder Lake trend.

**S**: Moderate to low contrast responses were observed for most rock samples collected in 1999 with exception of a 100$^{th}$ percentile response at site 312 from a sample of altered basalt containing near solid pyrite-pyrrhotite laminae and from site 294, a near solid pyrite sample crosscut by non-mineralized quartz veins. Generally high responses are noted from samples collected from within the SKSZ along the southern shore of Knee Lake.

**As:** Significant high contrast As concentrations were noted along the SKSZ at sites 128 ($100^{th}$ percentile; 16580 ppm), 295 ($99^{th}$ percentile; 1530 ppm) and 213 ($98^{th}$ percentile; 329 ppm). A second $100^{th}$ occurs at site 281 on the east side of the Magill Lake intrusion (1704 ppm) in an altered greywacke with 5% disseminated pyrite and rare arsenopyrite. A $98^{th}$ percentile (292 ppm; site 312) is documented from near solid pyrite-pyrrhotite laminae in strongly foliated and altered basalt on Long Island.

**Ba:** A cluster of $95^{th}$-$100^{th}$ percentile responses are documented from the south shore of Knee Lake in the 1999 survey area. Within this zone site 297 contains 930 ppm Ba in pyroxenite. A $100^{th}$ percentile of 1087 ppm occurs west of the west end of Knee Lake in rusty weathering foliated basalt with quartz-carbonate veinlets at site 141. Elsewhere in the southern portion of the belt Ca responses are generally within the $25^{th}$ percentile.

**Co:** A regional pattern of Co enrichment is noted for the 1999 survey area. The north and eastern portion of southern Knee Lake is marked by elevated Co in association with felsic rocks southwest and east of Cinder Lake and along the shoreline of Knee Lake at sites 297 ($98^{th}$ percentile; 47 ppm), site 302 ($100^{th}$ percentile; 95 ppm) and at site 312 ($99^{th}$ percentile; 93 ppm). Some similarities in the distribution of elevated Co are noted to the north-northeast-trending Al, Ca, Y, V and Mn anomalies.

**Cr:** A distribution similar to that of Co is noted for Cr. The highest Cr values are noted from the north and eastern portion of the 1999 survey area in the area of predominantly basaltic volcanic rocks. South of the lake, the lower Cr concentrations reflect the sedimentary sequences of greywacke, conglomerate and arkose. A zone of higher Cr appears to follow the northeast trend of the southeastern portion of Knee Lake.

**Fe:** Elevated Fe contents are noted in the basaltic rock-dominated portion of the 1999 survey area and in particular with a band of felsic volcanic rocks that extends from east of Cinder Lake to the west end of Knee Lake. Predictable Fe responses are obtained from a sample of altered basalt with near solid pyrite-pyrrhotite laminae at site 312 ($100^{th}$ percentile; 21.98%) and site 294 on the south shore of Knee Lake within the SKSZ ($100^{th}$ percentile; 19.47%).

**Na:** Notable patterns of elevated Na are documented from sites 54 and 150 ($100^{th}$ percentiles; 2.95 and 0.81%, respectively and from site 87 ($99^{th}$ percentile; 0.61%). Site 54 is characterized by a fine-grained to sucrosic textured felsic intrusion with disseminated pyrite. Higher Na responses are noted from the northern portion of the area sampled in 1999 where basaltic volcanic rocks predominate over greywacke and arkose in the southern survey area.

**Sb:** Antimony is elevated in the northern half of the 1999 survey area where basaltic volcanic rocks dominate over the sedimentary rock sequences. Responses tend to be scattered although $100^{th}$ percentiles at sites 21 (33 ppm), 309 (28 ppm) and 312 (25 ppm) are very high.

**Sc:** A north-northeast-trending linear Sc anomaly is noted just west of the southwest end of Cinder Lake. This trend is marked by two $100^{th}$ percentile (20 and 19 ppm from sites 7 and 58, respectively) and one $99^{th}$ percentile (site 2, 18 ppm) responses. This trend parallels local drainage patterns and correlates with trends for Mn, Al, Y, V and Ca.

**W:** Scattered W responses are documented from the 1999 survey area. Two $100^{th}$ percentile responses are noted from sites 281 (rusty weathering and mineralized greywacke, 39 ppm) and 203 (rusty weathering greywacke with 5% pyrite, 79 ppm). Site 203 occurs within the SKSZ; site 281 occurs at the eastern edge of the Magill Lake intrusion. Site 296 (foliated greywacke with non-mineralized white quartz veins, 33 ppm, 98$^{th}$ percentile) also occurs within the SKSZ.

**Zr:** Zirconium responses in the 1999 survey area are somewhat diffuse with 100$^{th}$ percentiles at sites 28 (rusty weathering, silicified pyritic and graphitic sedimentary rock, 41 ppm) and 131 (rusty weathering, fine-grained basalt with 1-2% disseminated pyrite and pyrrhotite, 34 ppm). A string of 95$^{th}$ and 90$^{th}$ percentile responses occurs along the south shore of Knee Lake within the SKSZ.

### Flow injection mercury system (FIMS)

**Hg:** The highest Hg responses in the 1999 survey are centered on the outcrop sampled around the shoreline of southern Knee Lake. The 100$^{th}$ percentile response at site 312 is associated with an altered basalt with near solid pyrite-pyrrhotite laminae. A second 100$^{th}$ percentile response occurs at site 302 (1150 ppb Au) in a sample of strongly foliated, rusty weathering basalt with 20% disseminated and veinlet pyrite, pyrrhotite and chalcopyrite.

### Hydrogen ion (H+)

**$H^+$:** Hydrogen ion, the corrected form of pH, is significantly elevated at six sites in the belt. Two 100% percentile responses (143 and 101 ppb) occur at sites 213 and 312, respectively. A 99$^{th}$ and 98$^{th}$ percentile response occurs on the southwest shore of the southern end of Knee Lake. These values are from sites 203 (48 ppb) and 202 (35 ppb). A 98$^{th}$ percentile response occurs at site 302 (3 ppb).

### Specific conductance K (water-extractable metal)

***K**:* The 100$^{th}$ percentile responses for specific conductance occur at sites 213 (111 micromhos) and 251 (107 micromhos) near the southwest end of the southern portion of the belt. Both sites are marked by altered and mineralized greywacke with <5% disseminated pyrite. A 99$^{th}$ percentile response occurs at site 297 (85 micromhos; rusty weathering gabbro with 2% pyrite). Outcrop along the south shore of Knee Lake exhibit a linear multisample 90-98$^{th}$ percentile response pattern that may be attributed to the presence of the SKSZ and associated hydrothermal alteration.

## Synthesis

Significant rock geochemical flux in the 1999 rock geochemical survey area can be partly attributed to the presence of known mineralization and structural features defined by previous exploration and mapping projects. New areas of exploration interest are delineated on the basis of new rock geochemical data.

Two trends of geochemical anomalies occur east of Cinder Lake. The first is a linear, north-northwest trend that extends for approximately 10 km from the northern belt boundary south to the shore of Knee Lake. The trend is defined by high-low contrast, multisite responses for Ca, Al, Y, V, Sc, Be, Pb, Zn and Mn. This trend parallels local drainage patterns which are at a high angle to glacial striae in the area and may represent a fracture system. There is no magnetic signature based on examination of aeromagnetic surveys flown in the area. This trend is apparently truncated at the southwest edge of Cinder Lake in the vicinity of a fine-grained to sucrosic textured, non-foliated pink to grey felsic intrusion (site 54) that is interpreted to be a marginal phase of a REE-enriched syenite intrusion mapped in this area. Rock geochemical anomalies associated with this intrusion include Ba, Cs, Sr, Be, P, Y, Na and TREE. In as much as the diagnostic elements that define the 10 km trend are common to the intrusion at site 54, it is postulated that this 10 km geochemical signature is related to a structure along which the syenite was emplaced. Alternatively, the structure could be post-syenite emplacement and its geochemical signature is reflecting late residual fluid pulses or mobilisation along the fault. The second trend occurs east of Cinder Lake and is associated with a north-south-trending linear layer of felsic volcanic rocks. Outcrop chip samples collected in this area are marked by anomalous responses for Sb, Ag, Co, Mo, Cd, Mn and Al and reflect localized alteration and mineralization in these rocks. This is confirmed by diamond drill testing of ground EM conductors in this area that intersected 10 m of massive sulphide-type mineralization (cf. Hosain, 1999; map OF97-13).

The structure of the southern portion of the Knee Lake greenstone belt is dominated by the SKSZ. This transpressional shear zone is marked by multiple base and precious metal geochemical anomalies as well as elements indicative of alteration; it represents a significant metallogenetic feature in the southern Knee Lake greenstone belt. Geochemical anomalies are recognized for Au, As, Sb, Ag, Cu, Pb, Cd, Co, Fe, S, Hg, K and Ba. Subsidiary splays from the SKSZ may be important exploration targets for gold. Transpressional shear zones are significant in terms of gold mineralization. An example of this type of shear is the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994). The presence of structures in the southern Knee Lake greenstone belt can be inferred from the distribution of As. The responses generally occur along faults mapped in the area and coincident Sb, Ag or base metal geochemical anomalies are worthy of follow-up.

A variety of geochemical anomalies are associated with the Magill Lake intrusion in the southern portion of the survey area. The granite/granodiorite intrudes greywacke, arkose and conglomerate and at its periphery is marked by high Au, As, W, Be, Fe, Cs, Rb, Ta, U, Th and W.

## Conclusions and recommendations

The following conclusions flow from a preliminary assessment of 1999 rock geochemical data:

1. Rock geochemical data confirms the metallogenetic significance of the transpressional SKSZ in the southern portion of the Knee Lake greenstone belt. This structure and associated splays represent important exploration targets.

2. Alteration accompanying massive sulphide-type mineralization is identified in rock geochemical data from the vicinity of Cinder Lake and in areas of known ground geophysical conductors. Similar responses are obtained from areas of no known exploration activity. These responses represent important exploration targets.

3. The REE-enriched syenite in Cinder Lake and the apparent associated shear/fracture associated with it have distinctive rock geochemical signatures. Considering the value of rare element commodities these areas should be reconnoitered for repetitions of this type of mineralization.

4. The southern margin of the belt is marked by a broad high strain zone. A similar feature could be present along the northern belt margin. Both margins should be prospected for pegmatite- and shear zone-related mineralization.

5. The thin band of mafic to felsic volcanic rocks that extends from Oxford Lake eastwards towards Magill Lake is marked by a significant elevated geochemical response for Sb and should be assessed for base and/or precious metal mineralization.

## APPENDIX R-I
### Outcrop Rock Chip Sample Descriptions

**99R-002:** olive green weathering, non-mineralized basalt with carbonate-filled fractures

**97R-005:** pink weathering, epidotized protomylonitic quartz monzonite with 1% disseminated euhedral pyrite

**99R-007:** olive green weathering, fine-grained, non-mineralized basalt with carbonate filled fractures

**99R-008:** beige and rusty weathering, silicified, chloritic and basalt with 1-2% disseminated pyrite

**99R-009:** green weathering, fine-grained, silicified basalt with 1-3% disseminated and veinlet pyrite

**99R-010:** grey-green and rusty weathering, silicified, carbonatized, non-mineralized basalt

**99R-011:** grey-green and rusty weathering, silicified, non-mineralized basalt

**99R-012:** green and rusty weathering fine-grained basalt with quartz-carbonate veinlets and 1% disseminated pyrite

**99R-013:** melanocratic gabbro with rusty weathered fractures and 1% disseminated pyrite

**99R-014:** medium grained black-green weathering visibly unaltered and non-mineralized gabbro

**99R-015:** green-black weathering fine-grained visibly unaltered basalt

**99R-017:** grey and rusty weathering fine-grained, non-mineralized basalt with thin carbonate-filled fractures

**99R-020:** beige weathering and sericitic quartz porphyry with 1% very fine-grained disseminated pyrite

**99R-021:** green weathering fine-grained gabbro with less than 1% very fine-grained disseminated pyrite and carbonate-filled fractures

**99R-022:** green weathering, silicified, chloritic and non-mineralized diorite

**99R-023:** green and rusty weathering, fine-grained, sheared and carbonate-altered nonmineralized basalt

**99R-024:** light green and slightly rusty weathering, non-mineralized basalt

**99R-026:** green-grey weathering, non-mineralized basalt with rusty weathering fractures and amphibole blastesis

**99R-028:** rusty weathering, silicified, black, pyritic (5% disseminated and laminae of pyrite) and graphitic sedimentary rock (‘earthy pyrite’)

**99R-029:** green and rusty weathering gabbro with rusty carbonate veins

**99R-030:** light green and rusty weathering, non-mineralized basalt; strongly foliated with carbonate and quartz veins parallel to foliation

**99R-031:** grey-green and rusty weathering, non-mineralized gabbro

**99R-032:** light green and rusty weathering basalt with carbonate veinlets and 1-2% disseminated pyrite

**99R-033:** green-grey and rusty weathering pillow basalt with 2-5% disseminated and veinlet pyrite confined to pillow selvages

**99R-034:** grey-green and rusty weathering basalt with flecks and veinlets of carbonate and 1-2% disseminated and veinlet pyrite

**99R-035:** dark green to black and rusty weathering basalt with 1-2% disseminated and veinlet pyrite associated with quartz and carbonate veins

**99R-036:** green to black and rusty weathering sheared gabbro with 5% disseminated pyrite

**99R-038:** green and rusty weathering sheared basalt with 1% disseminated pyrite

**99R-042:** grey weathering, unaltered and non-mineralized granite

**99R-043:** pink to grey weathering, unaltered and non-mineralized granite

**99R-044:** grey to pink weathering, epidotized, non-mineralized granite with 1 cm potassium feldspar crystals

**99R-045:** dark green and rusty weathering basalt with 5% fracture-controlled disseminated and veinlet pyrite

**99R-047:** light green weathering, strongly foliated, non-mineralized basalt with calcite veins fractures

**99R-048:** grey and rusty weathering, strongly sheared intermediate sedimentary rock (?) with 5% disseminated pyrite

**99R-048-2:** pink carbonate-tourmaline-quartz-muscovite rock (float) with 3-5% disseminated chalcopyrite

**99R-049:** green weathering, unaltered, non-mineralized medium grained gabbro

**99R-050:** chrome green and rusty weathering fine-grained basalt

**99R-051:** green weathering, very fine-grained, non-mineralized basalt with carbonate veins

**99R-052:** chrome green weathering, non-mineralized, very fine-grained basalt with quartz and carbonate veins

**99R-054:** grey-green and rusty weathering, sucrosic textured, strongly foliated intermediate intrusion (?) with 1-3% disseminated pyrite and chalcopyrite

**99R-055:** green and rusty weathering, fine-grained basalt

**99R-056:** green and rusty weathering, fine-grained basalt with carbonate veinlets

**99R-057:** green and rusty weathering pillow basalt and pillow breccia with 5% disseminated and veinlet pyrite and lesser chalcopyrite in pillow and breccia interstices

**99R-058:** green and rusty weathering basalt with 1-3% disseminated pyrite

**99R-063:** dark green and rusty weathering, locally silicified melagabbro with 2-3% disseminated pyrite and chalcopyrite

**99R-070:** light green and rusty weathering basalt with localized zones of fracture-controlled silicification, carbonate alteration, and 3-5% disseminated and veinlet pyrite and chalcopyrite

**99R-071:** light green and rusty weathering, strongly foliated pillow basalt with local calcite veinlets and 1% disseminated pyrite

**99R-072:** light green and rusty weathering, strongly foliated basalt with local areas of calcite veinlets and zones of 1% disseminated pyrite

**99R-076:** rusty weathering, dark blue quartz vein with 1% disseminated pyrite

**99R-078:** dark green and rusty weathering pillow basalt; fractures in pillows are silicified, epidotized and mineralized with 5-10% disseminated and veinlet pyrite

**99R-079:** light green and rusty weathering sericitized basalt with 1-2% disseminated pyrite along foliation planes

**99R-082:** dark green and rusty weathering fine-grained basalt; locally silicified and epidotized with 5% disseminated pyrite

**99R-087:** dark green to black weathering, fine-grained, unaltered and non-mineralized basalt

**99R-099:** grey-green and rusty weathering, silicified, fine-grained amphibolite with 1% disseminated pyrite

**99R-103:** green weathering, strongly foliated basalt with a blue, rusty weathering quartz vein with 1-3% disseminated pyrite

**99R-104:** light green and rusty weathering, silicified and fractured basalt with 5% disseminated pyrite

**99R-109:** dark green and rusty weathering basalt with 1% disseminated and veinlet pyrrhotite

**99R-114:** white to grey and locally rusty weathering, fine-grained rhyolite with trace disseminated pyrite

**99R-116:** white to grey weathering, non-mineralized, feldspar porphyritic rhyolite

**99R-119:** grey-green weathering, silicified, non-mineralized massive basalt

**99R-128:** grey to green and rusty weathering massive basalt with 5% disseminated arsenopyrite and 1% veinlet pyrite

**99R-131:** dark grey and rusty weathering fine-grained basalt with a rusty weathering white quartz vein containing 1-2% disseminated and veinlet pyrite

**99R-141:** dark geen and rusty weathering, strongly foliated basalt with rusty weathering carbonate and quartz veinlets

**99R-149:** dark green to black, rusty weathering massive basalt with rusty weathering calcite-filled fractures

**99R-150:** dark green weathering, fine-grained basalt with rusty weathered fractures containing carbonate and 1% disseminated pyrite

**99R-157:** light to dark green, silicified fine-grained basalt with rusty weathering, carbonate-filled fractures

**99R-202:** strongly foliated and rusty weathered greywacke with 3-5% disseminated pyrite

**99R-202-2:** rusty weathering quartz-tourmaline vein

**999R-203:** strongly foliated and rusty weathering greywacke with 5% disseminated pyrite

**99R-213-1:** rusty weathering blue quartz vein

**99R-213-2:** beige weathering, very fine-grained foliated feldspar-quartz porphyry with 2% disseminated pyrite

**99R-213-3:** strongly foliated and silicified, garnetiferous greywacke with 5% disseminated pyrite

**99R-213-4:** rusty weathering and silicified greywacke with 5% disseminated pyrite

**99R-213-5:** rusty weathering chlorite-garnet-quartz silicate facies iron formation with 2-5% disseminated and veinlet pyrite

**99R-213-6:** silicified garnet-biotite-quartz greywacke with 5% very fine-grained pyrite

**99R-213-7:** strongly silicified greywacke with 10% disseminated and veinlet pyrite and malachite stain

**99R-218:** non-mineralized, foliated biotite siltstone

**99R-227:** fine-grained, strongly foliated biotite greywacke crosscut by non-mineralized quartz lenses and pods

**99R-230:** fine-grained, non-mineralized biotite siltstone

**99R-235:** fine-grained, strongly foliated greywacke with foliation parallel, 0.5 cm, white, non-mineralized quartz veins

**99R-241:** rusty weathering, non-mineralized greywacke

**99R-251:** rusty weathering greywacke with 1-5% disseminated pyrite

**99R-258:** strongly foliated, garnetiferous greywacke with rusty weathered foliation planes

**99R-259:** rusty weathering, strongly foliated garnet-biotite greywacke with 1-5% disseminated pyrite

**99R-260:** fine-grained biotite-siltstone with <1% disseminated pyrite along foliation planes

**99R-261:** rusty weathering, fine-grained, strongly foliated biotite-siltstone with <1% fine-grained disseminated pyrite and foliation parallel, non-mineralized white quartz veins

**99R-264:** rusty weathering, fine-grained, strongly foliated biotite-siltstone with <1% fine-grained disseminated pyrite and foliation parallel, non-mineralized white quartz and carbonate veins

**99R-265:** dark green-black weathering feldspar porphyritic basalt with 1% very fine-grained pyrite

**99R-266:** rusty weathering, foliated and fractured feldspar porphyritic and pillowed basalt; rusty weathering mainly confined to pillow selvages

**99R-267:** white to grey weathering, non-mineralized, pegmatitic Magill Lake granite

**99R-268:** pink weathering, non-mineralized, pegmatitic Magill Lake granite

**99R-269:** white to grey weathering, non-mineralized, pegmatitic Magill Lake granite

**99R-274:** rusty weathering quartz-tourmaline vein

**99R-281-1:** hornblende-garnet-biotite-quartz altered mafic sedimentary rock with 1-5% disseminated and veinlet pyrite and rare arsenopyrite grains

**99R-281-2:** rusty weathering hornblende-garnet-biotite-quartz altered mafic sedimentary rock with 1-5% disseminated and veinlet pyrite and rare arsenopyrite grains

**99R-281-3:** relatively unaltered, dark grey to black weathering hornblende-biotite-quartz sedimentary rock

**99R-282:** rusty weathering, medium-grained amphibolite

**99R-283:** fine-grained, foliated basalt crosscut by non-mineralized carbonate veins

**99R-287:** fine-grained, silicified greywacke crosscut by non-mineralized quartz-carbonate veins

**99R-288:** strongly foliated biotite-greywacke with 1% disseminated pyrite and thin monominerallic pyrite laminae

**99R-289:** rusty weathering, fine-grained, non-mineralized siltstone

**99R-291:** fine-grained, rusty weathering basalt with 1% disseminated pyrite

**99R-292:** fine-grained, rusty weathering siltstone

**99R-292(2):** olive green weathering, fine-grained ultramafic sedimentary rock

**99R-293:** pyrite-graphite ('earthy pyrite') crosscut by quartz-pyrite veins

**99R-294(1):** strongly foliated, rusty weathering, non-mineralized siltstone

**99R-294(2):** near-solid pyrite with quartz veins

**99R-295(1):** very fine-grained, laminated siltstone with 2-3% disseminated pyrite

**99R-295(2):** strongly silicified, fine-grained, grey weathering siltstone (?) with finely disseminated pyrite, arsenopyrite, molybdenite and/or galena

**99R-296:** foliated, non-mineralized greywacke crosscut by 0.5 cm quartz veins

**99R-297:** pyroxenite

**99R-297(2):** olive green weathering, strongly foliated, fine-grained ultramafic sedimentary rock

**99R-297(3):** rusty weathering gabbro with 2% disseminated pyrite

**99R-297(4):** graphite-pyrite ('earthy pyrite')

**99R-298:** foliated, nonmineralized greywacke

**99R-300:** fine-grained, massive basalt with rusty weathered carbonate veins

**99R-301(1):** fine-grained, laminated dark grey weathering siltstone with 0.5 cm chert layers and 1% disseminated pyrite

**99R-301(2):** foliated, grey weathering, non-mineralized felsic sedimentary rock with <1 mm quartz 'eyes'

**99R-302:** strongly foliated, fine-grained, locally silicified biotite-greywacke with 1-3% disseminated pyrite and pyrrhotite in the matrix; sample is crosscut by non-mineralized quartz-carbonate veins and also contains 5% chalcopyrite and pyrrhotite mobilisate

**99R-302-2:** rusty weathering, silicified, strongly foliated basalt with 10-20% disseminated and veinlet pyrite, pyrrhotite and minor chalcopyrite

**99R-303:** light green weathering, fine-grained ultramafic sedimentary rock

**99R-304:** foliated, fine-grained, non-mineralized greywacke

**99R-305:** foliated, weakly silicified, non-mineralized greywacke

**99R-308:** foliated, fine-grained, non-mineralized greywacke

**99R-309:** strongly foliated siltstone with local rusty patches and <1% disseminated patches

**99R-311:** dark grey to black weathering, very fine-grained "cherty", non-mineralized siltstone

**99R-312:** rusty weathered phyllite with 5% disseminated and veinlet pyrite

**99R-312(2):** solid sulphide pyrite

**99R-314:** foliated, fine-grained, locally silicified, non-mineralized greywacke

**99R-324:** strongly foliated, non-mineralized biotite-greywacke

**99R-346:** rusty weathered greywacke

**99R-348:** strongly foliated, non-mineralized biotite-greywacke

**99R-349:** strongly foliated, non-mineralized biotite-greywacke

**99R-351:** strongly foliated, rusty weathered, partially silicified, non-mineralized siltstone

## Appendix R-2

# ICP-AES, $H^+$, *K* and Hg Analyses.

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Be | Bi | Ca | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 99R-2 | 379928.11 | 6087059.58 | 0.3 | 0.6 | 172 | 976 | 1 | 149 | 1 | 66 | 3.81 | 21 | 12 | 1 | 5 | 3.68 | 52 | 279 |
| 99R-5 | 386340.97 | 6060776.00 | 0.1 | 0.3 | 7 | 66 | 1 | 5 | 3 | 7 | 0.37 | 5 | 181 | 1 | 5 | 0.53 | 3 | 11 |
| 99R-7 | 380012.55 | 6085720.22 | 0.3 | 0.3 | 209 | 912 | 1 | 117 | 1 | 51 | 2.74 | 20 | 23 | 1 | 5 | 3.54 | 76 | 255 |
| 99R-8 | 381843.70 | 6085393.08 | 0.1 | 0.3 | 20 | 271 | 1 | 26 | 1 | 40 | 0.34 | 5 | 42 | 1 | 5 | 1.35 | 11 | 4 |
| 99R-9 | 381226.37 | 6084881.63 | 0.1 | 0.3 | 23 | 3012 | 1 | 17 | 6 | 84 | 2.50 | 16 | 63 | 1 | 5 | 3.36 | 15 | 5 |
| 99R-10 | 380814.98 | 6083990.92 | 0.4 | 1.3 | 103 | 1415 | 1 | 80 | 1 | 50 | 3.31 | 19 | 20 | 1 | 5 | 6.20 | 35 | 103 |
| 99R-11 | 382124.73 | 6084199.82 | 0.4 | 1.3 | 80 | 1357 | 1 | 103 | 1 | 84 | 4.35 | 30 | 12 | 1 | 5 | 4.21 | 43 | 152 |
| 99R-12 | 384139.45 | 6089907.45 | 0.2 | 0.3 | 182 | 533 | 1 | 43 | 1 | 20 | 1.44 | 17 | 15 | 1 | 5 | 2.57 | 19 | 61 |
| 99R-13 | 385120.09 | 6089836.36 | 0.3 | 0.3 | 77 | 623 | 10 | 63 | 1 | 47 | 2.27 | 11 | 74 | 1 | 5 | 2.27 | 30 | 39 |
| 99R-14 | 386060.67 | 6089790.62 | 0.5 | 0.7 | 69 | 588 | 1 | 231 | 1 | 50 | 3.11 | 19 | 21 | 1 | 5 | 1.17 | 45 | 48 |
| 99R-15 | 385609.68 | 6088356.80 | 0.6 | 0.3 | 27 | 2168 | 1 | 62 | 10 | 66 | 3.40 | 11 | 52 | 1 | 5 | 4.59 | 15 | 52 |
| 99R-17 | 386831.55 | 6088342.61 | 0.1 | 0.7 | 88 | 1522 | 1 | 120 | 1 | 50 | 2.68 | 18 | 13 | 1 | 5 | 5.61 | 34 | 242 |
| 99R-20 | 385498.35 | 6085864.44 | 0.1 | 0.9 | 9 | 151 | 1 | 2 | 10 | 12 | 0.27 | 678 | 98 | 1 | 5 | 1.09 | 2 | 1 |
| 99R-21 Analytical Duplicate | 384823.47 | 6085301.09 | 0.2 | 1.0 | 22 | 532 | 1 | 795 | 3 | 5 | 2.06 | 24 | 16 | 1 | 5 | 0.19 | 93 | 661 |
| 99R-21 Analytical Duplicate | 384823.47 | 6085301.09 | 0.3 | 0.9 | 22 | 580 | 1 | 822 | 5 | 8 | 2.20 | 15 | 16 | 1 | 5 | 0.20 | 95 | 715 |
| 99R-22 | 383626.62 | 6084172.60 | 0.3 | 0.8 | 148 | 472 | 1 | 70 | 1 | 20 | 2.20 | 14 | 15 | 1 | 5 | 1.37 | 27 | 76 |
| 99R-23 | 382797.60 | 6083251.65 | 0.3 | 0.3 | 76 | 1168 | 1 | 89 | 1 | 57 | 2.49 | 18 | 23 | 1 | 5 | 8.43 | 32 | 175 |
| 99R-24 | 383922.80 | 6083064.31 | 0.3 | 0.3 | 113 | 893 | 1 | 135 | 1 | 41 | 2.03 | 13 | 14 | 1 | 5 | 0.99 | 38 | 449 |
| 99R-26 | 389273.35 | 6089551.83 | 0.3 | 0.3 | 111 | 797 | 1 | 136 | 1 | 85 | 2.87 | 13 | 179 | 1 | 5 | 1.21 | 39 | 219 |
| 99R-28 | 391096.14 | 6090415.34 | 0.2 | 0.3 | 97 | 299 | 3 | 66 | 13 | 41 | 1.88 | 5 | 115 | 1 | 5 | 0.43 | 26 | 63 |
| 99R-29 | 390765.20 | 6089215.18 | 0.3 | 0.3 | 75 | 398 | 7 | 39 | 2 | 17 | 1.20 | 12 | 25 | 1 | 5 | 1.61 | 26 | 31 |
| 99R-30 | 389922.08 | 6088381.30 | 0.6 | 0.3 | 54 | 1123 | 14 | 256 | 9 | 30 | 1.50 | 10 | 198 | 1 | 5 | 1.40 | 31 | 1120 |
| 99R-31 | 387776.64 | 6087871.04 | 0.2 | 0.3 | 28 | 441 | 1 | 52 | 1 | 51 | 1.71 | 22 | 14 | 1 | 5 | 1.81 | 27 | 20 |
| 99R-32 | 389281.25 | 6087309.72 | 0.3 | 0.5 | 94 | 850 | 1 | 215 | 1 | 41 | 2.49 | 23 | 39 | 1 | 5 | 3.87 | 43 | 179 |
| 99R-33 | 387035.08 | 6086978.20 | 0.3 | 0.3 | 79 | 1099 | 1 | 50 | 1 | 65 | 2.33 | 50 | 7 | 1 | 5 | 3.46 | 34 | 107 |
| 99R-34 | 388567.46 | 6086677.37 | 0.1 | 0.8 | 69 | 391 | 5 | 116 | 2 | 12 | 1.33 | 5 | 8 | 1 | 5 | 0.68 | 20 | 58 |
| 99R-35 | 390865.79 | 6088176.15 | 0.4 | 0.6 | 50 | 851 | 1 | 37 | 1 | 46 | 1.45 | 20 | 69 | 1 | 5 | 1.65 | 28 | 49 |
| 99R-36 | 390299.61 | 6087715.51 | 0.5 | 0.6 | 1178 | 168 | 2 | 10 | 6 | 4 | 0.51 | 5 | 7 | 1 | 5 | 0.84 | 34 | 4 |
| 99R-38 Analytical Duplicate | 392410.86 | 6087648.10 | 0.3 | 0.3 | 57 | 410 | 1 | 98 | 1 | 59 | 2.56 | 11 | 118 | 1 | 5 | 0.97 | 29 | 50 |
| 99R-38 Analytical Duplicate | 392410.86 | 6087648.10 | 0.4 | 0.9 | 57 | 438 | 1 | 99 | 1 | 60 | 2.66 | 15 | 118 | 1 | 5 | 1.10 | 31 | 52 |
| 99R-42 | 391238.39 | 6085940.29 | 0.1 | 0.3 | 6 | 152 | 1 | 11 | 3 | 30 | 0.61 | 5 | 35 | 1 | 5 | 0.35 | 6 | 16 |
| 99R-43 | 389804.68 | 6084999.49 | 0.1 | 0.3 | 3 | 114 | 1 | 3 | 4 | 22 | 0.39 | 5 | 34 | 1 | 5 | 0.15 | 2 | 4 |
| 99R-44 | 389261.00 | 6083667.72 | 0.1 | 0.3 | 3 | 99 | 1 | 3 | 1 | 8 | 0.31 | 5 | 22 | 1 | 5 | 0.15 | 2 | 3 |
| 99R-45 | 386653.33 | 6084343.11 | 0.4 | 0.3 | 157 | 598 | 1 | 27 | 3 | 40 | 1.08 | 5 | 142 | 1 | 5 | 1.38 | 35 | 18 |
| 99R-47 | 384919.22 | 6082875.51 | 0.5 | 0.3 | 68 | 2054 | 1 | 71 | 1 | 80 | 3.80 | 16 | 8 | 1 | 5 | 6.09 | 41 | 119 |
| 99R-48-1 Field Duplicate | 383904.64 | 6082648.05 | 0.1 | 0.3 | 6 | 241 | 1 | 7 | 18 | 21 | 0.28 | 5 | 60 | 1 | 5 | 1.81 | 2 | 3 |
| 99R-48-2 Field Duplicate | 383904.64 | 6082648.05 | 0.1 | 0.6 | 11 | 490 | 1 | 1 | 9 | 7 | 0.20 | 15 | 44 | 1 | 5 | 4.60 | 4 | 1 |
| 99R-49 | 388981.01 | 6090705.90 | 0.3 | 0.3 | 53 | 129 | 1 | 26 | 5 | 1 | 0.86 | 169 | 57 | 1 | 5 | 1.16 | 8 | 22 |
| 99R-50 | 387427.39 | 6090166.15 | 0.3 | 0.3 | 58 | 791 | 1 | 131 | 1 | 46 | 2.20 | 5 | 12 | 1 | 5 | 2.56 | 41 | 201 |
| 99R-51 | 385816.88 | 6087616.81 | 0.3 | 0.7 | 83 | 1250 | 1 | 50 | 1 | 78 | 2.68 | 12 | 10 | 1 | 5 | 5.81 | 40 | 46 |
| 99R-52 | 382575.20 | 6088407.01 | 0.3 | 0.3 | 14 | 456 | 1 | 20 | 3 | 32 | 0.70 | 5 | 47 | 1 | 5 | 1.51 | 13 | 19 |
| 99R-54 | 380446.70 | 6088630.40 | 0.1 | 0.3 | 36 | 912 | 1 | 5 | 38 | 127 | 3.18 | 24 | 269 | 8 | 5 | 3.94 | 9 | 11 |
| 99R-55 | 384763.43 | 6089168.41 | 0.5 | 0.3 | 174 | 1192 | 4 | 49 | 5 | 55 | 3.12 | 25 | 18 | 1 | 5 | 1.68 | 15 | 141 |
| 99R-56 Analytical Duplicate | 384593.57 | 6087985.36 | 0.1 | 0.3 | 158 | 363 | 1 | 59 | 1 | 19 | 3.24 | 12 | 13 | 1 | 5 | 2.59 | 19 | 85 |
| 99R-56 Analytical Duplicate | 384593.57 | 6087985.36 | 0.3 | 0.3 | 157 | 359 | 1 | 57 | 1 | 19 | 3.26 | 22 | 14 | 1 | 5 | 2.60 | 19 | 85 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Be | Bi | Ca | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 99R-57 | 380747.02 | 6088073.86 | 0.4 | 0.3 | 76 | 1783 | 1 | 41 | 8 | 127 | 3.01 | 16 | 142 | 1 | 5 | 1.28 | 17 | 37 |
| 99R-58 | 379201.36 | 6089481.35 | 0.3 | 0.3 | 59 | 957 | 3 | 47 | 1 | 67 | 2.37 | 15 | 279 | 1 | 5 | 1.02 | 29 | 70 |
| 99R-63 | 371851.38 | 6084985.15 | 0.4 | 0.3 | 534 | 446 | 1 | 166 | 4 | 31 | 2.08 | 12 | 9 | 1 | 5 | 1.61 | 46 | 180 |
| 99R-70 | 377176.25 | 6084802.55 | 1.2 | 0.3 | 1806 | 657 | 1 | 100 | 10 | 71 | 2.03 | 17 | 16 | 1 | 5 | 1.11 | 32 | 129 |
| 99R-71 | 375594.28 | 6084702.04 | 0.4 | 0.3 | 112 | 1249 | 1 | 108 | 1 | 65 | 3.04 | 20 | 10 | 1 | 5 | 6.46 | 41 | 217 |
| 99R-72 | 370123.86 | 6085972.41 | 0.4 | 0.3 | 77 | 1640 | 1 | 74 | 6 | 110 | 3.59 | 32 | 65 | 1 | 5 | 2.68 | 39 | 72 |
| 99R-76 | 366875.73 | 6082011.38 | 0.1 | 0.7 | 20 | 245 | 1 | 25 | 5 | 16 | 0.62 | 17 | 42 | 1 | 5 | 1.49 | 6 | 25 |
| 99R-78 | 368777.48 | 6081793.37 | 0.3 | 0.3 | 85 | 637 | 4 | 61 | 1 | 34 | 2.97 | 31 | 94 | 1 | 5 | 2.21 | 30 | 162 |
| 99R-79 | 369918.79 | 6081283.90 | 0.1 | 0.3 | 25 | 267 | 1 | 25 | 11 | 23 | 1.02 | 5 | 138 | 1 | 5 | 2.46 | 9 | 28 |
| 99R-82 | 372516.50 | 6088851.06 | 0.4 | 0.3 | 113 | 332 | 1 | 34 | 3 | 8 | 1.56 | 12 | 64 | 1 | 5 | 2.60 | 18 | 55 |
| 99R-87 | 365628.38 | 6087349.81 | 0.2 | 0.3 | 113 | 546 | 1 | 52 | 1 | 14 | 3.31 | 15 | 15 | 1 | 5 | 4.12 | 15 | 86 |
| 99R-99 | 366531.44 | 6089734.77 | 0.3 | 0.3 | 186 | 405 | 8 | 81 | 1 | 32 | 1.44 | 20 | 36 | 1 | 5 | 1.94 | 28 | 65 |
| 99R-103 | 363623.14 | 6086658.21 | 0.3 | 0.3 | 230 | 407 | 1 | 113 | 1 | 26 | 2.68 | 5 | 189 | 1 | 5 | 2.57 | 34 | 118 |
| 99R-104 Analytical Duplicate | 365252.32 | 6088140.42 | 0.3 | 0.9 | 40 | 902 | 1 | 57 | 1 | 86 | 3.95 | 18 | 12 | 1 | 5 | 1.45 | 34 | 146 |
| 99R-104 Analytical Duplicate | 365252.32 | 6088140.42 | 0.4 | 0.3 | 41 | 864 | 1 | 55 | 1 | 82 | 3.66 | 13 | 10 | 1 | 5 | 1.08 | 34 | 140 |
| 99R-109 | 368585.13 | 6084340.09 | 0.3 | 0.3 | 155 | 367 | 1 | 48 | 1 | 18 | 3.50 | 30 | 16 | 1 | 5 | 3.02 | 18 | 96 |
| 99R-114 | 375612.85 | 6082701.79 | 0.3 | 0.3 | 64 | 898 | 1 | 45 | 6 | 53 | 1.77 | 11 | 57 | 1 | 5 | 1.07 | 15 | 49 |
| 99R-116 | 376836.61 | 6082259.30 | 0.1 | 0.3 | 24 | 483 | 1 | 13 | 4 | 30 | 1.01 | 14 | 51 | 1 | 5 | 2.34 | 7 | 14 |
| 99R-119 | 382085.70 | 6083046.21 | 0.4 | 0.3 | 70 | 863 | 1 | 68 | 1 | 58 | 2.95 | 31 | 9 | 1 | 5 | 2.78 | 32 | 186 |
| 99R-128 | 369477.36 | 6079563.69 | 0.8 | 5.4 | 349 | 253 | 1 | 105 | 12 | 37 | 1.70 | 16580 | 43 | 1 | 5 | 1.29 | 24 | 86 |
| 99R-131 | 356359.18 | 6084946.56 | 0.5 | 0.3 | 69 | 511 | 1 | 61 | 11 | 53 | 3.21 | 43 | 193 | 1 | 5 | 0.58 | 17 | 107 |
| 99R-141 | 362142.99 | 6084076.48 | 0.2 | 1.1 | 50 | 749 | 1 | 47 | 9 | 55 | 3.04 | 32 | 1087 | 1 | 5 | 3.96 | 22 | 156 |
| 99R-149 | 370525.75 | 6084197.53 | 0.5 | 0.9 | 157 | 809 | 1 | 90 | 3 | 55 | 3.38 | 25 | 9 | 1 | 5 | 3.51 | 35 | 115 |
| 99R-150 | 378340.48 | 6088920.71 | 0.1 | 0.3 | 137 | 465 | 1 | 41 | 1 | 17 | 3.91 | 24 | 37 | 1 | 5 | 4.48 | 17 | 86 |
| 99R-157 | 372027.71 | 6087027.04 | 0.3 | 0.3 | 118 | 958 | 1 | 106 | 3 | 48 | 3.11 | 21 | 44 | 1 | 5 | 4.24 | 35 | 149 |
| 99R-202-1 Field Duplicate | 370612.18 | 6078749.88 | 1.3 | 0.3 | 298 | 861 | 1 | 45 | 12 | 33 | 2.32 | 20 | 25 | 1 | 5 | 2.60 | 15 | 40 |
| 99R-202-2 Field Duplicate | 370612.18 | 6078749.88 | 1.7 | 0.5 | 7 | 139 | 1 | 5 | 87 | 56 | 0.14 | 5 | 16 | 1 | 5 | 1.00 | 2 | 4 |
| 99R-203 | 369733.49 | 6079116.31 | 0.5 | 0.5 | 87 | 177 | 1 | 15 | 9 | 1 | 0.84 | 67 | 14 | 1 | 5 | 0.82 | 3 | 19 |
| 99R-213-1 Field Duplicate | 365183.13 | 6079542.10 | 0.3 | 0.7 | 22 | 556 | 1 | 75 | 6 | 48 | 1.66 | 54 | 103 | 1 | 5 | 0.52 | 21 | 197 |
| 99R-213-2 Field Duplicate | 365183.13 | 6079542.10 | 0.2 | 0.3 | 22 | 540 | 1 | 28 | 6 | 57 | 1.34 | 5 | 85 | 1 | 5 | 0.47 | 14 | 45 |
| 99R-213-3 Field Duplicate | 365183.13 | 6079542.10 | 0.5 | 0.3 | 41 | 636 | 1 | 65 | 4 | 83 | 1.64 | 16 | 37 | 1 | 5 | 0.72 | 25 | 267 |
| 99R-213-4 Field Duplicate | 365183.13 | 6079542.10 | 0.5 | 0.3 | 55 | 536 | 3 | 49 | 7 | 81 | 1.32 | 10 | 51 | 1 | 5 | 0.68 | 21 | 72 |
| 99R-213-5 Field Duplicate | 365183.13 | 6079542.10 | 0.6 | 0.7 | 85 | 304 | 3 | 27 | 6 | 5 | 1.25 | 329 | 37 | 1 | 5 | 1.47 | 9 | 19 |
| 99R-213-6 Field Duplicate | 365183.13 | 6079542.10 | 1.1 | 0.3 | 257 | 93 | 1 | 31 | 8 | 6 | 2.45 | 38 | 48 | 1 | 5 | 2.17 | 5 | 25 |
| 99R-213-7 Field Duplicate | 365183.13 | 6079542.10 | 0.2 | 0.3 | 77 | 98 | 1 | 45 | 7 | 25 | 0.31 | 5 | 42 | 1 | 5 | 0.19 | 22 | 35 |
| 99R-218 | 363444.79 | 6074383.10 | 0.1 | 0.7 | 83 | 360 | 1 | 45 | 4 | 15 | 1.04 | 28 | 25 | 1 | 5 | 1.25 | 23 | 58 |
| 99R-227 | 355381.59 | 6075600.60 | 0.3 | 0.5 | 13 | 471 | 1 | 30 | 2 | 35 | 3.15 | 18 | 614 | 1 | 5 | 2.56 | 23 | 39 |
| 99R-230 | 355405.44 | 6076684.24 | 0.3 | 0.3 | 142 | 268 | 1 | 34 | 5 | 35 | 2.29 | 19 | 534 | 1 | 5 | 2.12 | 17 | 35 |
| 99R-235 | 352971.33 | 6071021.91 | 0.3 | 0.3 | 113 | 495 | 1 | 7 | 4 | 44 | 1.19 | 14 | 83 | 1 | 5 | 2.57 | 27 | 1 |
| 99R-241 Analytical Duplicate | 372758.61 | 6071129.61 | 0.4 | 0.3 | 67 | 731 | 3 | 52 | 15 | 82 | 2.26 | 19 | 221 | 1 | 5 | 0.39 | 16 | 174 |
| 99R-241 Analytical Duplicate | 372758.61 | 6071129.61 | 0.3 | 0.3 | 65 | 710 | 2 | 49 | 11 | 79 | 2.19 | 17 | 215 | 1 | 5 | 0.38 | 16 | 169 |
| 99R-251 | 369454.61 | 6077674.80 | 0.6 | 0.3 | 245 | 540 | 1 | 76 | 10 | 51 | 2.01 | 18 | 39 | 1 | 5 | 1.27 | 34 | 91 |
| 99R-258 | 368572.08 | 6072950.08 | 0.5 | 0.8 | 86 | 169 | 1 | 53 | 12 | 28 | 2.06 | 174 | 45 | 1 | 5 | 0.84 | 13 | 70 |
| 99R-259 | 367901.42 | 6074827.37 | 0.9 | 0.3 | 128 | 778 | 28 | 33 | 8 | 37 | 2.98 | 17 | 36 | 7 | 5 | 2.23 | 14 | 32 |
| 99R-260 | 359223.52 | 6069883.78 | 0.6 | 0.3 | 84 | 160 | 1 | 51 | 7 | 27 | 2.00 | 192 | 51 | 1 | 5 | 0.80 | 13 | 69 |
| 99R-261 | 360063.93 | 6069315.74 | 0.4 | 0.3 | 47 | 465 | 1 | 58 | 9 | 67 | 2.64 | 16 | 250 | 1 | 5 | 0.30 | 23 | 224 |
| 99R-264 | 360989.77 | 6069149.40 | 0.3 | 0.3 | 92 | 393 | 1 | 22 | 3 | 21 | 1.36 | 13 | 17 | 1 | 5 | 0.56 | 17 | 21 |
| 99R-265 | 361329.67 | 6072980.83 | 0.3 | 0.3 | 78 | 196 | 1 | 42 | 1 | 21 | 0.90 | 5 | 101 | 1 | 5 | 0.56 | 20 | 68 |
| 99R-266 | 363559.03 | 6071022.97 | 0.1 | 0.3 | 143 | 239 | 1 | 23 | 1 | 12 | 1.10 | 5 | 304 | 1 | 5 | 1.27 | 13 | 38 |
| 99R-267 | 377020.28 | 6069882.33 | 0.3 | 0.5 | 228 | 296 | 1 | 62 | 1 | 12 | 1.05 | 5 | 39 | 1 | 5 | 1.74 | 32 | 61 |
| 99R-268 | 379044.14 | 6070599.95 | 0.1 | 0.3 | 3 | 77 | 1 | 2 | 7 | 1 | 0.23 | 10 | 11 | 1 | 5 | 0.03 | 1 | 3 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Be | Bi | Ca | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 99R-269 | 376364.81 | 6071760.41 | 0.1 | 0.3 | 2 | 144 | 1 | 2 | 18 | 11 | 0.42 | 5 | 15 | 1 | 5 | 0.06 | 1 | 2 |
| 99R-274 | 382955.22 | 6071800.72 | 0.1 | 0.3 | 4 | 40 | 1 | 2 | 5 | 1 | 0.03 | 16 | 6 | 1 | 5 | 0.10 | 1 | 3 |
| 99R-281-1 Field Duplicate | 379124.40 | 6067728.11 | 0.4 | 0.5 | 64 | 792 | 1 | 18 | 1 | 2 | 0.67 | 28 | 10 | 1 | 5 | 0.96 | 5 | 27 |
| 99R-281-2 Field Duplicate | 379124.40 | 6067728.11 | 0.4 | 0.8 | 95 | 1443 | 1 | 81 | 3 | 5 | 1.11 | 1662 | 11 | 1 | 5 | 1.45 | 26 | 48 |
| 99R-281-2 Analytical Duplicate | 379124.40 | 6067728.11 | 0.1 | 1.2 | 96 | 1356 | 1 | 84 | 1 | 5 | 1.03 | 1704 | 11 | 1 | 5 | 1.35 | 28 | 45 |
| 99R-281-3 Field Duplicate | 379124.40 | 6067728.11 | 0.1 | 0.3 | 1 | 429 | 1 | 79 | 1 | 1 | 0.53 | 632 | 12 | 1 | 5 | 0.70 | 30 | 32 |
| 99R-282 | 382727.20 | 6079909.30 | 0.1 | 0.7 | 89 | 473 | 1 | 17 | 7 | 56 | 1.60 | 11 | 61 | 1 | 5 | 0.75 | 23 | 15 |
| 99R-283 | 382282.71 | 6077714.41 | 0.3 | 0.3 | 63 | 633 | 1 | 50 | 3 | 39 | 1.57 | 5 | 444 | 1 | 5 | 2.50 | 17 | 108 |
| 99R-287 | 385938.09 | 6072538.35 | 0.2 | 0.3 | 99 | 330 | 1 | 22 | 1 | 6 | 0.68 | 5 | 9 | 1 | 5 | 2.59 | 8 | 16 |
| 99R-288 | 384706.93 | 6071638.97 | 0.4 | 0.7 | 91 | 459 | 1 | 66 | 5 | 72 | 2.31 | 106 | 33 | 1 | 5 | 0.88 | 31 | 66 |
| 99R-289 | 384447.42 | 6070035.32 | 0.1 | 0.3 | 81 | 417 | 1 | 36 | 1 | 15 | 2.19 | 12 | 14 | 1 | 5 | 2.73 | 16 | 39 |
| 99R-291 | 386749.94 | 6071142.51 | 0.3 | 0.8 | 129 | 385 | 2 | 35 | 3 | 11 | 1.18 | 5 | 19 | 1 | 5 | 1.72 | 14 | 36 |
| 99R-292-1 Field Duplicate | 372658.22 | 6079359.51 | 0.4 | 0.3 | 45 | 642 | 2 | 77 | 16 | 80 | 2.50 | 10 | 58 | 1 | 5 | 0.37 | 21 | 121 |
| 99R-292-2 Field Duplicate | 372658.22 | 6079359.51 | 0.2 | 0.3 | 95 | 341 | 1 | 489 | 1 | 44 | 3.14 | 14 | 688 | 1 | 5 | 0.44 | 48 | 644 |
| 99R-293 | 373332.21 | 6078856.12 | 0.5 | 0.3 | 49 | 701 | 5 | 66 | 13 | 37 | 1.59 | 106 | 49 | 1 | 5 | 0.17 | 19 | 83 |
| 99R-294-1 Field Duplicate | 374312.89 | 6078921.40 | 0.3 | 1.2 | 78 | 1326 | 1 | 48 | 1 | 56 | 3.24 | 20 | 9 | 1 | 5 | 3.13 | 35 | 52 |
| 99R-294-2 Field Duplicate | 374312.89 | 6078921.40 | 0.8 | 1.0 | 30 | 1 | 1 | 16 | 18 | 1 | 0.02 | 135 | 3 | 1 | 5 | 0.03 | 15 | 1 |
| 99R-295-1 Field Duplicate | 375182.62 | 6078624.03 | 0.5 | 0.3 | 23 | 317 | 1 | 17 | 9 | 1 | 1.37 | 15 | 204 | 1 | 5 | 1.52 | 3 | 29 |
| 99R-295-2 Field Duplicate | 375182.62 | 6078624.03 | 0.1 | 0.7 | 40 | 71 | 1 | 5 | 6 | 1 | 0.15 | 1530 | 14 | 3 | 5 | 0.11 | 4 | 2 |
| 99R-295-2 Analytical Duplicate | 375182.62 | 6078624.03 | 0.1 | 0.3 | 38 | 68 | 1 | 5 | 7 | 1 | 0.14 | 1419 | 13 | 3 | 5 | 0.11 | 4 | 2 |
| 99R-296 | 376386.81 | 6078570.83 | 0.1 | 0.3 | 26 | 426 | 1 | 55 | 3 | 50 | 1.68 | 5 | 156 | 1 | 5 | 1.15 | 17 | 93 |
| 99R-297-1 Field Duplicate | 377606.00 | 6078057.09 | 0.2 | 0.8 | 32 | 353 | 1 | 92 | 9 | 13 | 1.43 | 5 | 930 | 1 | 5 | 2.59 | 17 | 184 |
| 99R-297-2 Field Duplicate | 377606.00 | 6078057.09 | 0.1 | 0.3 | 85 | 240 | 1 | 731 | 1 | 36 | 2.73 | 5 | 213 | 1 | 5 | 0.61 | 47 | 960 |
| 99R-297-3 Field Duplicate | 377606.00 | 6078057.09 | 0.2 | 0.8 | 202 | 454 | 1 | 65 | 8 | 29 | 2.20 | 5 | 125 | 1 | 5 | 1.65 | 30 | 142 |
| 99R-297-4 Field Duplicate | 377606.00 | 6078057.09 | 0.4 | 0.8 | 57 | 219 | 1 | 330 | 8 | 23 | 0.25 | 5 | 27 | 1 | 5 | 1.39 | 51 | 266 |
| 99R-298 | 377794.68 | 6079094.31 | 0.3 | 0.3 | 73 | 795 | 1 | 49 | 4 | 54 | 2.27 | 13 | 879 | 1 | 5 | 2.36 | 23 | 158 |
| 99R-301 Field Duplicate | 382264.75 | 6081807.41 | 0.3 | 0.3 | 90 | 932 | 1 | 52 | 1 | 45 | 2.68 | 19 | 13 | 1 | 5 | 2.08 | 31 | 169 |
| 99R-301-1 Field Duplicate | 382264.75 | 6081807.41 | 0.7 | 1.1 | 7 | 121 | 1 | 14 | 11 | 1 | 0.28 | 5 | 97 | 1 | 5 | 1.27 | 3 | 16 |
| 99R-301-2 Field Duplicate | 382264.75 | 6081807.41 | 0.1 | 0.3 | 6 | 271 | 1 | 7 | 11 | 24 | 0.29 | 5 | 86 | 1 | 5 | 2.20 | 2 | 3 |
| 99R-302-1 Field Duplicate | 381825.16 | 6080640.92 | 0.6 | 0.3 | 204 | 5853 | 3 | 1372 | 10 | 18 | 1.54 | 110 | 87 | 1 | 5 | 11.49 | 95 | 542 |
| 99R-302-2 Field Duplicate | 381825.16 | 6080640.92 | 0.6 | 0.3 | 70 | 152 | 3 | 215 | 16 | 59 | 1.36 | 20 | 52 | 1 | 5 | 0.03 | 30 | 29 |
| 99R-303 | 381419.93 | 6079292.48 | 0.1 | 0.3 | 93 | 291 | 1 | 257 | 1 | 17 | 1.11 | 5 | 239 | 1 | 5 | 1.44 | 29 | 191 |
| 99R-304 Analytical Duplicate | 379828.87 | 6079816.74 | 0.3 | 0.3 | 77 | 603 | 1 | 245 | 1 | 34 | 2.38 | 18 | 406 | 1 | 5 | 4.15 | 31 | 399 |
| 99R-304 Analytical Duplicate | 379828.87 | 6079816.74 | 0.4 | 0.3 | 75 | 572 | 1 | 236 | 1 | 32 | 2.24 | 29 | 395 | 1 | 5 | 3.91 | 28 | 386 |
| 99R-305 | 373257.01 | 6080611.99 | 0.2 | 0.3 | 12 | 476 | 1 | 77 | 2 | 59 | 2.41 | 5 | 335 | 1 | 5 | 1.23 | 21 | 142 |
| 99R-308 | 378593.33 | 6079122.68 | 0.1 | 0.3 | 73 | 856 | 1 | 37 | 1 | 59 | 2.72 | 16 | 655 | 1 | 5 | 2.48 | 23 | 113 |
| 99R-309 | 379412.18 | 6081620.51 | 0.3 | 0.3 | 76 | 1093 | 1 | 40 | 4 | 65 | 3.60 | 16 | 9 | 1 | 5 | 1.11 | 49 | 6 |
| 99R-311 | 375825.45 | 6081477.33 | 0.1 | 0.3 | 42 | 375 | 1 | 148 | 3 | 31 | 1.68 | 5 | 71 | 1 | 5 | 1.41 | 23 | 256 |
| 99R-312-1 Field Duplicate | 374729.14 | 6081514.74 | 0.2 | 0.3 | 95 | 580 | 1 | 82 | 7 | 73 | 2.99 | 292 | 31 | 1 | 5 | 0.46 | 37 | 124 |
| 99R-312-2 Field Duplicate | 374729.14 | 6081514.74 | 1.8 | 0.3 | 41 | 612 | 1 | 52 | 19 | 35 | 1.20 | 62 | 7 | 1 | 5 | 0.29 | 93 | 38 |
| 99R-314 | 380441.27 | 6077362.52 | 0.3 | 0.3 | 32 | 468 | 1 | 52 | 3 | 48 | 2.06 | 5 | 283 | 1 | 5 | 1.25 | 20 | 134 |
| 99R-324 | 371909.21 | 6077077.66 | 0.3 | 0.3 | 17 | 314 | 1 | 41 | 1 | 34 | 1.16 | 5 | 159 | 1 | 5 | 0.68 | 14 | 76 |
| 99R-346 | 363508.62 | 6077282.57 | 0.3 | 0.3 | 27 | 123 | 1 | 44 | 5 | 25 | 1.81 | 10 | 297 | 1 | 5 | 0.18 | 13 | 96 |
| 99R-348 | 386609.32 | 6076034.47 | 0.4 | 0.3 | 56 | 456 | 1 | 31 | 2 | 23 | 1.22 | 5 | 31 | 1 | 5 | 2.05 | 16 | 46 |
| 99R-349 | 394290.85 | 6073197.89 | 0.1 | 0.3 | 92 | 366 | 1 | 46 | 1 | 22 | 1.32 | 5 | 14 | 1 | 5 | 1.21 | 25 | 48 |
| 99R-351 | 377332.39 | 6064774.37 | 0.3 | 0.3 | 78 | 690 | 3 | 97 | 13 | 98 | 3.10 | 51 | 78 | 1 | 5 | 0.62 | 38 | 204 |

| Sample Site | Fe | K | Mg | Na | P | Sb | Sc | Sn | Sr | Ti | V | W | Y | Zr | S | $H^+$ | *K* | Hg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % | % | % | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppb | mhos $cm^{-1}$ | ppb |
| 99R-2 | 6.04 | 0.03 | 2.48 | 0.20 | 244 | 10 | 18 | 5 | 18 | 0.13 | 204 | 5 | 7 | 4 | 513 | -2.6 | 10.1 | 8 |
| 99R-5 | 0.50 | 0.02 | 0.12 | 0.11 | 385 | 5 | 1 | 5 | 126 | 0.12 | 10 | 5 | 3 | 7 | 39 | -2.6 | 1.7 | 3 |
| 99R-7 | 4.04 | 0.06 | 1.74 | 0.21 | 277 | 5 | 20 | 5 | 16 | 0.19 | 203 | 5 | 10 | 3 | 337 | -2.6 | 17.2 | 3 |
| 99R-8 | 1.21 | 0.16 | 0.36 | 0.11 | 487 | 5 | 1 | 5 | 43 | 0.03 | 7 | 5 | 3 | 4 | 1003 | -2.6 | 9.7 | 3 |
| 99R-9 | 6.77 | 0.16 | 1.06 | 0.06 | 1542 | 5 | 7 | 5 | 215 | 0.21 | 81 | 5 | 11 | 8 | 1103 | -2.6 | 14.1 | 3 |
| 99R-10 | 5.68 | 0.10 | 2.02 | 0.11 | 245 | 5 | 8 | 5 | 27 | 0.25 | 98 | 5 | 7 | 4 | 327 | -2.6 | 15.9 | 3 |
| 99R-11 | 7.60 | 0.03 | 3.21 | 0.06 | 154 | 5 | 11 | 5 | 21 | 0.32 | 168 | 5 | 7 | 5 | 226 | -2.6 | 12.4 | 3 |
| 99R-12 | 2.50 | 0.03 | 0.89 | 0.25 | 209 | 5 | 9 | 5 | 10 | 0.20 | 78 | 5 | 8 | 4 | 528 | -2.6 | 6.6 | 3 |
| 99R-13 | 4.51 | 0.34 | 1.84 | 0.25 | 352 | 13 | 11 | 5 | 51 | 0.24 | 124 | 5 | 11 | 10 | 1711 | -2.6 | 5.5 | 3 |
| 99R-14 | 4.78 | 0.04 | 3.24 | 0.12 | 392 | 5 | 2 | 5 | 48 | 0.22 | 81 | 5 | 9 | 8 | 547 | -2.6 | 2.9 | 3 |
| 99R-15 | 8.42 | 0.09 | 1.33 | 0.07 | 566 | 5 | 7 | 5 | 93 | 0.12 | 56 | 5 | 9 | 11 | 271 | -2.6 | 17.5 | 3 |
| 99R-17 | 4.54 | 0.02 | 2.08 | 0.12 | 191 | 5 | 5 | 5 | 15 | 0.14 | 90 | 5 | 3 | 5 | 241 | -2.6 | 17.9 | 3 |
| 99R-20 | 0.63 | 0.19 | 0.03 | 0.07 | 183 | 5 | 1 | 5 | 126 | 0.01 | 1 | 5 | 1 | 16 | 3374 | -2.6 | 15.1 | 3 |
| 99R-21 Analytical Duplicate | 7.53 | 0.04 | 11.46 | 0.01 | 94 | 17 | 8 | 5 | 8 | 0.01 | 76 | 5 | 4 | 4 | 240 | -2.6 | 3.2 | 3 |
| 99R-21 Analytical Duplicate | 7.83 | 0.04 | 12.20 | 0.02 | 129 | 33 | 8 | 5 | 8 | 0.01 | 78 | 5 | 4 | 5 | 245 | | | 3 |
| 99R-22 | 3.08 | 0.03 | 2.63 | 0.05 | 224 | 5 | 4 | 5 | 18 | 0.17 | 47 | 5 | 7 | 13 | 604 | -2.6 | 11.6 | 3 |
| 99R-23 | 3.81 | 0.06 | 2.50 | 0.03 | 166 | 5 | 6 | 5 | 16 | 0.23 | 71 | 5 | 4 | 5 | 139 | -2.6 | 15.3 | 3 |
| 99R-24 | 3.40 | 0.01 | 1.94 | 0.06 | 153 | 11 | 8 | 5 | 20 | 0.29 | 94 | 5 | 5 | 7 | 360 | -2.6 | -13.8 | 10 |
| 99R-26 | 4.11 | 0.06 | 2.56 | 0.05 | 254 | 5 | 3 | 5 | 19 | 0.19 | 62 | 5 | 6 | 7 | 506 | -2.6 | 3.1 | 9 |
| 99R-28 | 4.39 | 1.04 | 1.11 | 0.04 | 677 | 19 | 4 | 5 | 33 | 0.15 | 46 | 5 | 10 | 41 | 10560 | -2.5 | 26.0 | 3 |
| 99R-29 | 2.61 | 0.18 | 1.31 | 0.10 | 208 | 5 | 6 | 5 | 8 | 0.19 | 66 | 5 | 6 | 3 | 2309 | -2.6 | 19.8 | 3 |
| 99R-30 | 5.02 | 0.68 | 1.11 | 0.13 | 214 | 5 | 13 | 5 | 22 | 0.19 | 77 | 5 | 5 | 9 | 2401 | -2.6 | 10.1 | 3 |
| 99R-31 | 2.75 | 0.04 | 1.20 | 0.06 | 396 | 5 | 7 | 5 | 21 | 0.22 | 83 | 5 | 9 | 27 | 154 | -2.6 | 11.3 | 3 |
| 99R-32 | 3.45 | 0.37 | 3.01 | 0.04 | 116 | 5 | 3 | 5 | 18 | 0.16 | 65 | 5 | 2 | 3 | 2126 | -2.6 | 16.5 | 3 |
| 99R-33 | 5.18 | 0.01 | 2.42 | 0.03 | 226 | 15 | 4 | 5 | 13 | 0.08 | 59 | 5 | 3 | 7 | 6039 | -2.6 | 24.2 | 3 |
| 99R-34 | 1.88 | 0.02 | 1.10 | 0.09 | 80 | 5 | 1 | 5 | 8 | 0.07 | 19 | 5 | 1 | 2 | 1753 | -2.6 | 12.1 | 3 |
| 99R-35 | 4.35 | 0.20 | 0.87 | 0.19 | 445 | 5 | 11 | 5 | 10 | 0.16 | 87 | 5 | 6 | 4 | 2162 | -2.6 | 6.4 | 3 |
| 99R-36 | 5.39 | 0.02 | 0.60 | 0.14 | 812 | 5 | 7 | 5 | 9 | 0.10 | 73 | 5 | 12 | 13 | 14310 | -2.6 | 14.3 | 3 |
| 99R-38 Analytical Duplicate | 4.88 | 0.31 | 2.45 | 0.11 | 84 | 5 | 5 | 5 | 2 | 0.12 | 48 | 5 | 3 | 5 | 46 | -2.6 | 3.7 | 3 |
| 99R-38 Analytical Duplicate | 5.08 | 0.32 | 2.53 | 0.13 | 84 | 14 | 6 | 5 | 2 | 0.13 | 52 | 5 | 3 | 5 | 38 | | | 3 |
| 99R-42 | 1.02 | 0.37 | 0.52 | 0.10 | 291 | 5 | 2 | 5 | 34 | 0.07 | 20 | 5 | 2 | 7 | 42 | -2.6 | 2.6 | 3 |
| 99R-43 | 0.65 | 0.21 | 0.23 | 0.09 | 162 | 5 | 1 | 5 | 27 | 0.04 | 8 | 5 | 1 | 9 | 5 | -2.6 | 2.7 | 3 |
| 99R-44 | 0.42 | 0.10 | 0.19 | 0.07 | 134 | 5 | 1 | 5 | 37 | 0.02 | 4 | 5 | 1 | 5 | 77 | -2.6 | 3.8 | 3 |
| 99R-45 | 6.65 | 0.46 | 1.00 | 0.18 | 365 | 5 | 13 | 5 | 59 | 0.23 | 166 | 5 | 9 | 10 | 6004 | -2.6 | 7.0 | 3 |
| 99R-47 | 7.46 | 0.02 | 2.42 | 0.02 | 253 | 13 | 12 | 5 | 38 | 0.35 | 129 | 5 | 8 | 6 | 5 | -2.6 | 14.9 | 3 |
| 99R-48-1 Field Duplicate | 1.27 | 0.12 | 0.42 | 0.07 | 263 | 5 | 1 | 5 | 228 | 0.01 | 3 | 5 | 2 | 8 | 182 | -2.6 | 14.5 | 9 |
| 99R-48-2 Field Duplicate | 1.50 | 0.15 | 0.17 | 0.02 | 655 | 5 | 1 | 5 | 1119 | 0.01 | 7 | 5 | 44 | 16 | 24 | -2.6 | 19.3 | 3 |
| 99R-49 | 4.28 | 0.16 | 0.29 | 0.12 | 644 | 5 | 2 | 5 | 29 | 0.03 | 17 | 5 | 3 | 8 | 6920 | -2.6 | 80.5 | 3 |
| 99R-50 | 3.27 | 0.04 | 2.50 | 0.03 | 204 | 5 | 7 | 5 | 22 | 0.16 | 100 | 5 | 6 | 5 | 202 | -2.6 | 12.1 | 3 |
| 99R-51 | 6.36 | 0.02 | 1.32 | 0.07 | 456 | 5 | 15 | 5 | 38 | 0.13 | 237 | 5 | 11 | 6 | 836 | -2.6 | 18.5 | 3 |
| 99R-52 | 2.69 | 0.47 | 0.71 | 0.07 | 664 | 5 | 4 | 5 | 92 | 0.30 | 95 | 5 | 9 | 29 | 101 | -2.6 | 8.7 | 3 |
| 99R-54 | 3.06 | 1.13 | 0.55 | 2.95 | 1857 | 11 | 1 | 5 | 2315 | 0.21 | 97 | 5 | 20 | 16 | 3598 | -2.6 | 19.7 | 3 |
| 99R-55 | 6.97 | 0.07 | 2.22 | 0.24 | 142 | 5 | 10 | 5 | 14 | 0.17 | 106 | 5 | 5 | 5 | 2079 | -1.9 | 17.1 | 3 |
| 99R-56 Analytical Duplicate | 2.73 | 0.02 | 1.30 | 0.51 | 167 | 5 | 7 | 5 | 55 | 0.12 | 68 | 5 | 6 | 3 | 1064 | -1.9 | 8.8 | 3 |
| 99R-56 Analytical Duplicate | 2.71 | 0.02 | 1.31 | 0.51 | 154 | 5 | 7 | 5 | 55 | 0.12 | 67 | 5 | 6 | 3 | 1049 | | | 3 |

| Sample Site | Fe | K | Mg | Na | P | Sb | Sc | Sn | Sr | Ti | V | W | Y | Zr | S | $H^+$ | *K* | Hg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % | % | % | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppb | mhos $cm^{-1}$ | ppb |
| 99R-57 | 7.86 | 0.23 | 1.86 | 0.10 | 349 | 5 | 10 | 5 | 29 | 0.20 | 121 | 5 | 7 | 8 | 3072 | -1.6 | 17.8 | 3 |
| 99R-58 | 5.84 | 1.34 | 1.45 | 0.13 | 635 | 5 | 19 | 5 | 112 | 0.30 | 262 | 17 | 15 | 21 | 2381 | -1.9 | 6.7 | 3 |
| 99R-63 | 5.52 | 0.02 | 2.01 | 0.05 | 4139 | 5 | 5 | 5 | 10 | 0.11 | 175 | 5 | 20 | 4 | 5974 | -1.9 | 47.2 | 5 |
| 99R-70 | 3.98 | 0.13 | 1.69 | 0.03 | 146 | 5 | 4 | 5 | 15 | 0.15 | 72 | 5 | 2 | 5 | 1801 | -1.9 | 24.5 | 14 |
| 99R-71 | 6.40 | 0.04 | 2.66 | 0.03 | 206 | 5 | 7 | 5 | 27 | 0.20 | 177 | 5 | 4 | 4 | 329 | -1.9 | 27.1 | 3 |
| 99R-72 | 8.21 | 0.24 | 2.21 | 0.03 | 239 | 5 | 9 | 5 | 9 | 0.11 | 218 | 5 | 6 | 5 | 624 | -1.9 | 23.8 | 3 |
| 99R-76 | 1.55 | 0.11 | 0.47 | 0.02 | 227 | 5 | 1 | 5 | 88 | 0.03 | 10 | 5 | 2 | 14 | 942 | -1.9 | 29.1 | 3 |
| 99R-78 | 3.76 | 0.24 | 2.82 | 0.15 | 133 | 5 | 9 | 5 | 47 | 0.19 | 80 | 5 | 5 | 11 | 2628 | -1.9 | 19.6 | 14 |
| 99R-79 | 1.42 | 0.33 | 0.62 | 0.06 | 331 | 5 | 4 | 5 | 142 | 0.11 | 22 | 5 | 4 | 20 | 1232 | -1.9 | 28.7 | 3 |
| 99R-82 | 2.33 | 0.18 | 0.58 | 0.09 | 170 | 5 | 10 | 5 | 26 | 0.26 | 69 | 5 | 8 | 8 | 2004 | -1.9 | 5.7 | 3 |
| 99R-87 | 2.29 | 0.04 | 1.02 | 0.61 | 170 | 5 | 10 | 5 | 53 | 0.13 | 59 | 5 | 5 | 2 | 134 | -1.9 | 19.7 | 3 |
| 99R-99 | 2.18 | 0.09 | 0.58 | 0.07 | 216 | 5 | 10 | 5 | 56 | 0.26 | 72 | 5 | 9 | 6 | 2706 | -1.9 | 16.9 | 3 |
| 99R-103 | 4.00 | 0.42 | 1.85 | 0.31 | 169 | 5 | 13 | 5 | 30 | 0.18 | 109 | 5 | 7 | 4 | 5159 | -1.9 | 32.1 | 3 |
| 99R-104 Analytical Duplicate | 7.58 | 0.03 | 4.33 | 0.08 | 1232 | 19 | 9 | 5 | 105 | 0.28 | 159 | 5 | 14 | 7 | 2460 | -1.9 | 4.8 | 3 |
| 99R-104 Analytical Duplicate | 7.16 | 0.02 | 4.17 | 0.06 | 1223 | 19 | 6 | 5 | 62 | 0.21 | 142 | 5 | 10 | 6 | 2508 | | | 3 |
| 99R-109 | 2.77 | 0.02 | 1.15 | 0.43 | 151 | 21 | 7 | 5 | 61 | 0.14 | 73 | 5 | 6 | 3 | 707 | -1.9 | 10.8 | 3 |
| 99R-114 | 3.46 | 0.08 | 1.25 | 0.09 | 666 | 15 | 5 | 5 | 82 | 0.20 | 46 | 5 | 7 | 23 | 3295 | -1.9 | 16.4 | 3 |
| 99R-116 | 0.99 | 0.13 | 0.48 | 0.13 | 618 | 5 | 2 | 5 | 41 | 0.10 | 15 | 5 | 6 | 8 | 5 | -1.9 | 20.2 | 3 |
| 99R-119 | 3.77 | 0.01 | 3.11 | 0.08 | 279 | 5 | 8 | 5 | 48 | 0.29 | 104 | 5 | 10 | 17 | 30 | -1.9 | 21.2 | 3 |
| 99R-128 | 6.77 | 0.82 | 1.45 | 0.15 | 1103 | 5 | 7 | 5 | 13 | 0.09 | 45 | 5 | 7 | 20 | 12660 | -1.8 | 41.8 | 3 |
| 99R-131 | 6.25 | 1.87 | 1.51 | 0.15 | 521 | 5 | 9 | 5 | 55 | 0.22 | 77 | 5 | 7 | 34 | 5041 | -1.9 | 23.8 | 3 |
| 99R-141 | 4.06 | 2.35 | 3.10 | 0.10 | 871 | 5 | 12 | 5 | 300 | 0.26 | 124 | 5 | 10 | 22 | 95 | -1.9 | 28.9 | 3 |
| 99R-149 | 5.63 | 0.01 | 2.87 | 0.17 | 233 | 20 | 11 | 5 | 43 | 0.24 | 123 | 5 | 9 | 4 | 711 | -1.9 | 26.6 | 3 |
| 99R-150 | 2.34 | 0.06 | 0.80 | 0.81 | 239 | 5 | 13 | 5 | 69 | 0.27 | 90 | 5 | 11 | 4 | 392 | -1.9 | 14.4 | 3 |
| 99R-157 | 4.89 | 0.15 | 2.38 | 0.24 | 224 | 5 | 10 | 5 | 23 | 0.19 | 95 | 5 | 5 | 3 | 953 | -1.9 | 24.3 | 3 |
| 99R-202-1 Field Duplicate | 10.44 | 0.40 | 1.12 | 0.26 | 1515 | 5 | 5 | 5 | 104 | 0.09 | 41 | 5 | 10 | 17 | 30120 | 35.2 | 38.5 | 3 |
| 99R-202-2 Field Duplicate | 0.43 | 0.02 | 0.10 | 0.04 | 341 | 5 | 1 | 5 | 21 | 0.01 | 3 | 5 | 2 | 5 | 198 | -1.9 | 16.4 | 3 |
| 99R-203 | 6.36 | 0.08 | 0.41 | 0.10 | 547 | 13 | 2 | 5 | 26 | 0.03 | 17 | 79 | 3 | 10 | 10040 | 48.2 | 42.7 | 3 |
| 99R-213-1 Field Duplicate | 3.82 | 0.26 | 0.93 | 0.07 | 647 | 5 | 6 | 5 | 33 | 0.16 | 75 | 5 | 8 | 20 | 478 | -1.9 | 7.0 | 3 |
| 99R-213-2 Field Duplicate | 3.67 | 0.78 | 0.49 | 0.13 | 628 | 5 | 3 | 5 | 38 | 0.13 | 57 | 5 | 4 | 20 | 10170 | 1.2 | 32.0 | 3 |
| 99R-213-3 Field Duplicate | 4.88 | 0.57 | 0.63 | 0.13 | 787 | 5 | 5 | 5 | 57 | 0.15 | 77 | 5 | 5 | 19 | 17430 | 23.8 | 51.9 | 3 |
| 99R-213-4 Field Duplicate | 4.90 | 0.68 | 0.68 | 0.10 | 451 | 5 | 3 | 5 | 40 | 0.13 | 53 | 5 | 4 | 19 | 19520 | 2.4 | 111.1 | 3 |
| 99R-213-5 Field Duplicate | 7.04 | 0.17 | 0.44 | 0.10 | 813 | 5 | 2 | 5 | 38 | 0.03 | 16 | 5 | 5 | 12 | 17030 | -1.9 | 88.2 | 3 |
| 99R-213-6 Field Duplicate | 6.62 | 0.18 | 0.43 | 0.16 | 2326 | 5 | 2 | 5 | 229 | 0.03 | 18 | 5 | 7 | 11 | 29010 | 142.6 | 82.4 | 3 |
| 99R-213-7 Field Duplicate | 3.66 | 0.15 | 0.16 | 0.08 | 285 | 5 | 3 | 5 | 17 | 0.08 | 28 | 5 | 4 | 18 | 24900 | 32.0 | 41.0 | 3 |
| 99R-218 | 1.84 | 0.06 | 0.64 | 0.18 | 299 | 5 | 8 | 5 | 17 | 0.10 | 59 | 5 | 5 | 3 | 234 | -1.9 | 3.8 | 3 |
| 99R-227 | 6.18 | 2.64 | 1.64 | 0.12 | 1467 | 5 | 14 | 5 | 49 | 0.29 | 135 | 5 | 16 | 27 | 524 | -1.9 | 23.4 | 3 |
| 99R-230 | 2.84 | 0.66 | 1.18 | 0.30 | 1535 | 5 | 7 | 5 | 135 | 0.12 | 64 | 5 | 11 | 9 | 124 | -1.9 | 16.5 | 3 |
| 99R-235 | 3.74 | 0.41 | 0.56 | 0.13 | 631 | 5 | 4 | 5 | 38 | 0.18 | 60 | 5 | 6 | 14 | 441 | -1.9 | 22.8 | 3 |
| 99R-241 Analytical Duplicate | 4.14 | 1.92 | 1.92 | 0.07 | 857 | 5 | 8 | 5 | 24 | 0.21 | 102 | 5 | 16 | 12 | 1253 | -1.9 | 11.6 | 3 |
| 99R-241 Analytical Duplicate | 4.02 | 1.86 | 1.86 | 0.07 | 870 | 5 | 8 | 5 | 23 | 0.21 | 99 | 5 | 16 | 12 | 1210 | | | 3 |
| 99R-251 | 7.07 | 1.55 | 1.25 | 0.07 | 1529 | 5 | 4 | 5 | 43 | 0.16 | 81 | 5 | 10 | 12 | 16770 | -1.9 | 106.7 | 3 |
| 99R-258 | 5.91 | 1.20 | 1.05 | 0.10 | 1298 | 5 | 6 | 5 | 42 | 0.13 | 58 | 5 | 5 | 12 | 14790 | -1.9 | 62.8 | 3 |
| 99R-259 | 6.91 | 0.52 | 0.55 | 0.19 | 743 | 5 | 2 | 5 | 147 | 0.09 | 23 | 34 | 4 | 6 | 20670 | -0.9 | 27.6 | 3 |
| 99R-260 | 5.77 | 1.18 | 1.03 | 0.09 | 1264 | 19 | 5 | 5 | 39 | 0.13 | 57 | 5 | 5 | 11 | 14540 | -1.9 | 14.2 | 3 |
| 99R-261 | 5.16 | 1.06 | 2.44 | 0.04 | 587 | 5 | 13 | 5 | 11 | 0.16 | 150 | 5 | 5 | 13 | 1449 | -1.9 | 11.0 | 3 |
| 99R-264 | 3.06 | 0.04 | 1.24 | 0.07 | 374 | 5 | 4 | 5 | 7 | 0.11 | 62 | 5 | 3 | 7 | 771 | -1.9 | 12.8 | 3 |
| 99R-265 | 1.81 | 0.31 | 0.86 | 0.08 | 376 | 5 | 4 | 5 | 10 | 0.09 | 52 | 5 | 3 | 5 | 1358 | -1.9 | 22.2 | 3 |
| 99R-266 | 1.64 | 0.56 | 0.73 | 0.14 | 700 | 5 | 4 | 5 | 42 | 0.12 | 44 | 5 | 3 | 5 | 73 | -1.9 | 50.5 | 3 |
| 99R-267 | 2.10 | 0.03 | 0.48 | 0.17 | 432 | 5 | 8 | 5 | 32 | 0.14 | 41 | 5 | 3 | 2 | 2869 | -1.9 | 4.1 | 3 |
| 99R-268 | 0.34 | 0.16 | 0.06 | 0.07 | 13 | 5 | 1 | 5 | 2 | 0.01 | 1 | 5 | 4 | 13 | 14 | -1.9 | 4.7 | 3 |

| Sample Site | Fe | K | Mg | Na | P | Sb | Sc | Sn | Sr | Ti | V | W | Y | Zr | S | $H^+$ | *K* | Hg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % | % | % | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppb | mhos $cm^{-1}$ | ppb |
| 99R-269 | 0.71 | 0.22 | 0.11 | 0.08 | 27 | 5 | 2 | 5 | 6 | 0.01 | 2 | 5 | 9 | 24 | 16 | -1.9 | 4.5 | 3 |
| 99R-274 | 0.32 | 0.01 | 0.02 | 0.01 | 93 | 5 | 1 | 5 | 8 | 0.01 | 1 | 5 | 1 | 1 | 103 | -1.9 | 7.9 | 3 |
| 99R-281-1 Field Duplicate | 4.04 | 0.06 | 0.41 | 0.12 | 225 | 5 | 4 | 5 | 5 | 0.05 | 27 | 5 | 2 | 5 | 2312 | -1.6 | 20.3 | 3 |
| 99R-281-2 Field Duplicate | 5.76 | 0.09 | 0.64 | 0.23 | 132 | 5 | 6 | 5 | 29 | 0.05 | 43 | 33 | 3 | 8 | 10050 | 0.8 | 41.0 | 3 |
| 99R-281-2 Analytical Duplicate | 5.52 | 0.08 | 0.60 | 0.22 | 130 | 5 | 5 | 5 | 28 | 0.05 | 41 | 39 | 2 | 8 | 9957 | | | 3 |
| 99R-281-3 Field Duplicate | 1.43 | 0.05 | 0.40 | 0.11 | 195 | 5 | 4 | 5 | 6 | 0.04 | 28 | 5 | 2 | 3 | 19 | -1.9 | 3.4 | 3 |
| 99R-282 | 5.15 | 0.31 | 1.14 | 0.08 | 619 | 5 | 5 | 5 | 7 | 0.10 | 95 | 5 | 7 | 7 | 56 | -1.9 | 10.0 | 3 |
| 99R-283 | 2.72 | 1.08 | 1.63 | 0.06 | 840 | 5 | 5 | 5 | 48 | 0.12 | 77 | 5 | 5 | 9 | 320 | -1.9 | 36.2 | 3 |
| 99R-287 | 0.98 | 0.02 | 0.25 | 0.14 | 238 | 5 | 3 | 5 | 14 | 0.06 | 25 | 5 | 3 | 1 | 470 | -1.9 | 33.7 | 3 |
| 99R-288 | 7.08 | 1.51 | 1.18 | 0.10 | 373 | 11 | 5 | 5 | 25 | 0.21 | 71 | 5 | 4 | 7 | 12850 | -1.9 | 46.8 | 3 |
| 99R-289 | 1.66 | 0.03 | 0.52 | 0.38 | 273 | 5 | 8 | 5 | 44 | 0.13 | 64 | 5 | 8 | 2 | 499 | -1.9 | 30.4 | 3 |
| 99R-291 | 1.85 | 0.06 | 0.43 | 0.25 | 224 | 5 | 7 | 5 | 23 | 0.11 | 47 | 5 | 4 | 2 | 1159 | -1.9 | 24.1 | 3 |
| 99R-292-1 Field Duplicate | 6.50 | 1.90 | 1.49 | 0.06 | 669 | 5 | 12 | 5 | 18 | 0.19 | 92 | 5 | 7 | 22 | 11170 | -1.9 | 56.1 | 3 |
| 99R-292-2 Field Duplicate | 3.86 | 3.32 | 5.59 | 0.06 | 1109 | 5 | 2 | 5 | 38 | 0.26 | 87 | 5 | 2 | 12 | 1171 | -1.9 | 9.7 | 3 |
| 99R-293 | 8.25 | 1.64 | 0.86 | 0.03 | 590 | 5 | 12 | 5 | 13 | 0.19 | 76 | 5 | 8 | 27 | 26130 | -1.9 | 34.6 | 3 |
| 99R-294-1 Field Duplicate | 6.47 | 0.03 | 2.98 | 0.03 | 324 | 5 | 4 | 5 | 12 | 0.07 | 96 | 5 | 6 | 9 | 538 | -1.9 | 32.1 | 3 |
| 99R-294-2 Field Duplicate | 19.47 | 0.01 | 0.01 | 0.01 | 6 | 5 | 1 | 5 | 1 | 0.01 | 1 | 5 | 1 | 13 | 150120 | | | 132 |
| 99R-295-1 Field Duplicate | 16.79 | 0.99 | 0.52 | 0.02 | 1081 | 12 | 3 | 5 | 91 | 0.06 | 29 | 5 | 4 | 15 | 4187 | -1.9 | 51.0 | 3 |
| 99R-295-2 Field Duplicate | 1.07 | 0.03 | 0.02 | 0.13 | 230 | 5 | 1 | 5 | 11 | 0.01 | 1 | 5 | 1 | 4 | 3469 | -1.9 | 20.9 | 3 |
| 99R-295-2 Analytical Duplicate | 1.01 | 0.03 | 0.02 | 0.12 | 212 | 5 | 1 | 5 | 10 | 0.01 | 1 | 5 | 1 | 4 | 3304 | | | 3 |
| 99R-296 | 2.45 | 1.26 | 1.84 | 0.06 | 774 | 5 | 3 | 5 | 48 | 0.13 | 61 | 33 | 4 | 14 | 127 | -1.9 | 27.9 | 3 |
| 99R-297-1 Field Duplicate | 1.99 | 0.70 | 2.21 | 0.29 | 587 | 5 | 8 | 5 | 350 | 0.11 | 65 | 5 | 6 | 15 | 93 | -1.9 | 33.0 | 3 |
| 99R-297-2 Field Duplicate | 3.72 | 0.81 | 6.81 | 0.03 | 848 | 5 | 1 | 5 | 48 | 0.05 | 100 | 5 | 5 | 8 | 535 | -1.9 | 9.8 | 3 |
| 99R-297-3 Field Duplicate | 4.85 | 0.03 | 3.21 | 0.09 | 1025 | 5 | 9 | 5 | 146 | 0.07 | 155 | 5 | 11 | 9 | 7945 | -1.9 | 85.1 | 3 |
| 99R-297-4 Field Duplicate | 5.47 | 0.02 | 0.54 | 0.08 | 613 | 5 | 3 | 5 | 22 | 0.16 | 30 | 5 | 6 | 15 | 26560 | -1.9 | 75.8 | 3 |
| 99R-298 | 3.46 | 1.84 | 2.09 | 0.07 | 834 | 5 | 5 | 5 | 100 | 0.20 | 76 | 5 | 5 | 8 | 84 | -1.9 | 33.7 | 3 |
| 99R-301 Field Duplicate | 4.70 | 0.02 | 2.68 | 0.04 | 235 | 5 | 3 | 5 | 13 | 0.18 | 70 | 5 | 3 | 4 | 141 | -1.9 | 18.5 | 3 |
| 99R-301-1 Field Duplicate | 19.10 | 0.08 | 0.54 | 0.02 | 181 | 5 | 2 | 5 | 204 | 0.01 | 17 | 5 | 2 | 15 | 2288 | | | 48 |
| 99R-301-2 Field Duplicate | 1.43 | 0.20 | 0.63 | 0.06 | 282 | 5 | 1 | 5 | 539 | 0.01 | 3 | 5 | 3 | 7 | 135 | -1.9 | 22.2 | 41 |
| 99R-302-1 Field Duplicate | 14.24 | 0.43 | 2.34 | 0.10 | 119 | 5 | 12 | 5 | 78 | 0.01 | 61 | 5 | 5 | 15 | 8568 | -1.9 | 45.4 | 32 |
| 99R-302-2 Field Duplicate | 8.03 | 0.07 | 1.07 | 0.02 | 125 | 5 | 2 | 5 | 2 | 0.01 | 19 | 5 | 3 | 12 | 18930 | 3.4 | 52.7 | 106 |
| 99R-303 | 1.92 | 0.66 | 2.04 | 0.25 | 866 | 5 | 5 | 5 | 116 | 0.11 | 40 | 5 | 4 | 8 | 1296 | -1.9 | 21.0 | 7 |
| 99R-304 Analytical Duplicate | 3.56 | 1.09 | 2.77 | 0.09 | 1168 | 5 | 5 | 5 | 118 | 0.19 | 76 | 5 | 9 | 6 | 313 | -1.9 | 23.3 | 7 |
| 99R-304 Analytical Duplicate | 3.35 | 1.05 | 2.58 | 0.08 | 1149 | 5 | 4 | 5 | 106 | 0.18 | 70 | 5 | 8 | 12 | 322 | | | |
| 99R-305 | 3.36 | 1.19 | 2.43 | 0.07 | 756 | 5 | 12 | 5 | 29 | 0.17 | 93 | 5 | 5 | 12 | 55 | -1.9 | 24.7 | 3 |
| 99R-308 | 4.08 | 1.72 | 2.58 | 0.10 | 970 | 5 | 8 | 5 | 100 | 0.24 | 102 | 5 | 8 | 8 | 16 | -1.9 | 24.7 | 3 |
| 99R-309 | 7.62 | 0.01 | 2.93 | 0.05 | 405 | 28 | 15 | 5 | 25 | 0.23 | 166 | 5 | 10 | 13 | 361 | -1.9 | 14.2 | 7 |
| 99R-311 | 2.55 | 0.08 | 2.35 | 0.14 | 1248 | 5 | 4 | 5 | 112 | 0.12 | 53 | 5 | 9 | 4 | 1023 | -1.9 | 15.0 | 12 |
| 99R-312-1 Field Duplicate | 8.10 | 0.06 | 1.54 | 0.09 | 314 | 25 | 16 | 5 | 12 | 0.01 | 122 | 5 | 1 | 9 | 19580 | -1.8 | 20.8 | 60 |
| 99R-312-2 Field Duplicate | 21.98 | 0.01 | 0.92 | 0.03 | 63 | 5 | 3 | 5 | 12 | 0.08 | 34 | 5 | 2 | 18 | 150000 | 100.5 | 68.0 | 73 |
| 99R-314 | 2.96 | 1.80 | 1.97 | 0.09 | 620 | 5 | 5 | 5 | 72 | 0.18 | 65 | 5 | 4 | 5 | 1056 | -1.9 | 20.2 | 3 |
| 99R-324 | 1.99 | 0.96 | 1.14 | 0.14 | 464 | 5 | 4 | 5 | 22 | 0.17 | 53 | 5 | 4 | 6 | 273 | -1.9 | 11.3 | 3 |
| 99R-346 | 5.24 | 1.36 | 1.05 | 0.09 | 487 | 5 | 8 | 5 | 10 | 0.18 | 84 | 5 | 3 | 14 | 3747 | -1.7 | 17.5 | 3 |
| 99R-348 | 2.56 | 0.10 | 0.97 | 0.23 | 301 | 5 | 10 | 5 | 10 | 0.11 | 73 | 5 | 6 | 2 | 430 | -1.9 | 17.5 | 3 |
| 99R-349 | 2.88 | 0.06 | 1.35 | 0.15 | 296 | 5 | 7 | 5 | 8 | 0.13 | 68 | 5 | 5 | 3 | 2588 | -1.9 | 11.0 | 3 |
| 99R-351 | 5.20 | 0.32 | 3.16 | 0.07 | 517 | 5 | 15 | 5 | 17 | 0.20 | 169 | 5 | 9 | 17 | 2079 | -1.9 | 9.8 | 3 |

## Appendix R-3

# ICP-AES, $H^+$, *K* and Hg Analyses, Multiple Samples.

| Sample Site | UTM Easting | UTM Northing | Ag ppm | Cd ppm | Cu ppm | Mn ppm | Mo ppm | Ni ppm | Pb ppm | Zn ppm | Al % | As ppm | Ba ppm | Be ppm | Bi ppm | Ca % | Co ppm | Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-21 Analytical Duplicate | 384823.47 | 6085301.09 | 0.2 | 1.0 | 22 | 532 | 1 | 795 | 3 | 5 | 2.06 | 24 | 16 | 1 | 5 | 0.19 | 93 | 661 |
| 99R-21 Analytical Duplicate | 384823.47 | 6085301.09 | 0.3 | 0.9 | 22 | 580 | 1 | 822 | 5 | 8 | 2.20 | 15 | 16 | 1 | 5 | 0.20 | 95 | 715 |
| 99R-38 Analytical Duplicate | 392410.86 | 6087648.10 | 0.3 | 0.3 | 57 | 410 | 1 | 98 | 1 | 59 | 2.56 | 11 | 118 | 1 | 5 | 0.97 | 29 | 50 |
| 99R-38 Analytical Duplicate | 392410.86 | 6087648.10 | 0.4 | 0.9 | 57 | 438 | 1 | 99 | 1 | 60 | 2.66 | 15 | 118 | 1 | 5 | 1.10 | 31 | 52 |
| 99R-48-1 Field Duplicate | 383904.64 | 6082648.05 | 0.1 | 0.3 | 6 | 241 | 1 | 7 | 18 | 21 | 0.28 | 5 | 60 | 1 | 5 | 1.81 | 2 | 3 |
| 99R-48-2 Field Duplicate | 383904.64 | 6082648.05 | 0.1 | 0.6 | 11 | 490 | 1 | 1 | 9 | 7 | 0.20 | 15 | 44 | 1 | 5 | 4.60 | 4 | 1 |
| 99R-56 Analytical Duplicate | 384593.57 | 6087985.36 | 0.1 | 0.3 | 158 | 363 | 1 | 59 | 1 | 19 | 3.24 | 12 | 13 | 1 | 5 | 2.59 | 19 | 85 |
| 99R-56 Analytical Duplicate | 384593.57 | 6087985.36 | 0.3 | 0.3 | 157 | 359 | 1 | 57 | 1 | 19 | 3.26 | 22 | 14 | 1 | 5 | 2.60 | 19 | 85 |
| 99R-104 Analytical Duplicate | 365252.32 | 6088140.42 | 0.3 | 0.9 | 40 | 902 | 1 | 57 | 1 | 86 | 3.95 | 18 | 12 | 1 | 5 | 1.45 | 34 | 146 |
| 99R-104 Analytical Duplicate | 365252.32 | 6088140.42 | 0.4 | 0.3 | 41 | 864 | 1 | 55 | 1 | 82 | 3.66 | 13 | 10 | 1 | 5 | 1.08 | 34 | 140 |
| 99R-202-1 Field Duplicate | 370612.18 | 6078749.88 | 1.3 | 0.3 | 298 | 861 | 1 | 45 | 12 | 33 | 2.32 | 20 | 25 | 1 | 5 | 2.60 | 15 | 40 |
| 99R-202-2 Field Duplicate | 370612.18 | 6078749.88 | 1.7 | 0.5 | 7 | 139 | 1 | 5 | 87 | 56 | 0.14 | 5 | 16 | 1 | 5 | 1.00 | 2 | 4 |
| 99R-213-1 Field Duplicate | 365183.13 | 6079542.10 | 0.3 | 0.7 | 22 | 556 | 1 | 75 | 6 | 48 | 1.66 | 54 | 103 | 1 | 5 | 0.52 | 21 | 197 |
| 99R-213-2 Field Duplicate | 365183.13 | 6079542.10 | 0.2 | 0.3 | 22 | 540 | 1 | 28 | 6 | 57 | 1.34 | 5 | 85 | 1 | 5 | 0.47 | 14 | 45 |
| 99R-213-3 Field Duplicate | 365183.13 | 6079542.10 | 0.5 | 0.3 | 41 | 636 | 1 | 65 | 4 | 83 | 1.64 | 16 | 37 | 1 | 5 | 0.72 | 25 | 267 |
| 99R-213-4 Field Duplicate | 365183.13 | 6079542.10 | 0.5 | 0.3 | 55 | 536 | 3 | 49 | 7 | 81 | 1.32 | 10 | 51 | 1 | 5 | 0.68 | 21 | 72 |
| 99R-213-5 Field Duplicate | 365183.13 | 6079542.10 | 0.6 | 0.7 | 85 | 304 | 3 | 27 | 6 | 5 | 1.25 | 329 | 37 | 1 | 5 | 1.47 | 9 | 19 |
| 99R-213-6 Field Duplicate | 365183.13 | 6079542.10 | 1.1 | 0.3 | 257 | 93 | 1 | 31 | 8 | 6 | 2.45 | 38 | 48 | 1 | 5 | 2.17 | 5 | 25 |
| 99R-213-7 Field Duplicate | 365183.13 | 6079542.10 | 0.2 | 0.3 | 77 | 98 | 1 | 45 | 7 | 25 | 0.31 | 5 | 42 | 1 | 5 | 0.19 | 22 | 35 |
| 99R-241 Analytical Duplicate | 372758.61 | 6071129.61 | 0.4 | 0.3 | 67 | 731 | 3 | 52 | 15 | 82 | 2.26 | 19 | 221 | 1 | 5 | 0.39 | 16 | 174 |
| 99R-241 Analytical Duplicate | 372758.61 | 6071129.61 | 0.3 | 0.3 | 65 | 710 | 2 | 49 | 11 | 79 | 2.19 | 17 | 215 | 1 | 5 | 0.38 | 16 | 169 |
| 99R-281-1 Field Duplicate | 379124.40 | 6067728.11 | 0.4 | 0.5 | 64 | 792 | 1 | 18 | 1 | 2 | 0.67 | 28 | 10 | 1 | 5 | 0.96 | 5 | 27 |
| 99R-281-2 Field Duplicate | 379124.40 | 6067728.11 | 0.4 | 0.8 | 95 | 1443 | 1 | 81 | 3 | 5 | 1.11 | 1662 | 11 | 1 | 5 | 1.45 | 26 | 48 |
| 99R-281-2 Analytical Duplicate | 379124.40 | 6067728.11 | 0.1 | 1.2 | 96 | 1356 | 1 | 84 | 1 | 5 | 1.03 | 1704 | 11 | 1 | 5 | 1.35 | 28 | 45 |
| 99R-281-3 Field Duplicate | 379124.40 | 6067728.11 | 0.1 | 0.3 | 1 | 429 | 1 | 79 | 1 | 1 | 0.53 | 632 | 12 | 1 | 5 | 0.70 | 30 | 32 |
| 99R-292-1 Field Duplicate | 372658.22 | 6079359.51 | 0.4 | 0.3 | 45 | 642 | 2 | 77 | 16 | 80 | 2.50 | 10 | 58 | 1 | 5 | 0.37 | 21 | 121 |
| 99R-292-2 Field Duplicate | 372658.22 | 6079359.51 | 0.2 | 0.3 | 95 | 341 | 1 | 489 | 1 | 44 | 3.14 | 14 | 688 | 1 | 5 | 0.44 | 48 | 644 |
| 99R-294-1 Field Duplicate | 374312.89 | 6078921.40 | 0.3 | 1.2 | 78 | 1326 | 1 | 48 | 1 | 56 | 3.24 | 20 | 9 | 1 | 5 | 3.13 | 35 | 52 |
| 99R-294-2 Field Duplicate | 374312.89 | 6078921.40 | 0.8 | 1.0 | 30 | 1 | 1 | 16 | 18 | 1 | 0.02 | 135 | 3 | 1 | 5 | 0.03 | 15 | 1 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Be | Bi | Ca | Co | Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 99R-295-1 Field Duplicate | 375182.62 | 6078624.03 | 0.5 | 0.3 | 23 | 317 | 1 | 17 | 9 | 1 | 1.37 | 15 | 204 | 1 | 5 | 1.52 | 3 | 29 |
| 99R-295-2 Field Duplicate | 375182.62 | 6078624.03 | 0.1 | 0.7 | 40 | 71 | 1 | 5 | 6 | 1 | 0.15 | 1530 | 14 | 3 | 5 | 0.11 | 4 | 2 |
| 99R-295-2 Analytical Duplicate | 375182.62 | 6078624.03 | 0.1 | 0.3 | 38 | 68 | 1 | 5 | 7 | 1 | 0.14 | 1419 | 13 | 3 | 5 | 0.11 | 4 | 2 |
| | | | | | | | | | | | | | | | | | | |
| 99R-297-1 Field Duplicate | 377606.00 | 6078057.09 | 0.2 | 0.8 | 32 | 353 | 1 | 92 | 9 | 13 | 1.43 | 5 | 930 | 1 | 5 | 2.59 | 17 | 184 |
| 99R-297-2 Field Duplicate | 377606.00 | 6078057.09 | 0.1 | 0.3 | 85 | 240 | 1 | 731 | 1 | 36 | 2.73 | 5 | 213 | 1 | 5 | 0.61 | 47 | 960 |
| 99R-297-3 Field Duplicate | 377606.00 | 6078057.09 | 0.2 | 0.8 | 202 | 454 | 1 | 65 | 8 | 29 | 2.20 | 5 | 125 | 1 | 5 | 1.65 | 30 | 142 |
| 99R-297-4 Field Duplicate | 377606.00 | 6078057.09 | 0.4 | 0.8 | 57 | 219 | 1 | 330 | 8 | 23 | 0.25 | 5 | 27 | 1 | 5 | 1.39 | 51 | 266 |
| | | | | | | | | | | | | | | | | | | |
| 99R-301 Field Duplicate | 382264.75 | 6081807.41 | 0.3 | 0.3 | 90 | 932 | 1 | 52 | 1 | 45 | 2.68 | 19 | 13 | 1 | 5 | 2.08 | 31 | 169 |
| 99R-301-1 Field Duplicate | 382264.75 | 6081807.41 | 0.7 | 1.1 | 7 | 121 | 1 | 14 | 11 | 1 | 0.28 | 5 | 97 | 1 | 5 | 1.27 | 3 | 16 |
| 99R-301-2 Field Duplicate | 382264.75 | 6081807.41 | 0.1 | 0.3 | 6 | 271 | 1 | 7 | 11 | 24 | 0.29 | 5 | 86 | 1 | 5 | 2.20 | 2 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-302-1 Field Duplicate | 381825.16 | 6080640.92 | 0.6 | 0.3 | 204 | 5853 | 3 | 1372 | 10 | 18 | 1.54 | 110 | 87 | 1 | 5 | 11.49 | 95 | 542 |
| 99R-302-2 Field Duplicate | 381825.16 | 6080640.92 | 0.6 | 0.3 | 70 | 152 | 3 | 215 | 16 | 59 | 1.36 | 20 | 52 | 1 | 5 | 0.03 | 30 | 29 |
| | | | | | | | | | | | | | | | | | | |
| 99R-304 Analytical Duplicate | 379828.87 | 6079816.74 | 0.3 | 0.3 | 77 | 603 | 1 | 245 | 1 | 34 | 2.38 | 18 | 406 | 1 | 5 | 4.15 | 31 | 399 |
| 99R-304 Analytical Duplicate | 379828.87 | 6079816.74 | 0.4 | 0.3 | 75 | 572 | 1 | 236 | 1 | 32 | 2.24 | 29 | 395 | 1 | 5 | 3.91 | 28 | 386 |
| | | | | | | | | | | | | | | | | | | |
| 99R-312-1 Field Duplicate | 374729.14 | 6081514.74 | 0.2 | 0.3 | 95 | 580 | 1 | 82 | 7 | 73 | 2.99 | 292 | 31 | 1 | 5 | 0.46 | 37 | 124 |
| 99R-312-2 Field Duplicate | 374729.14 | 6081514.74 | 1.8 | 0.3 | 41 | 612 | 1 | 52 | 19 | 35 | 1.20 | 62 | 7 | 1 | 5 | 0.29 | 93 | 38 |

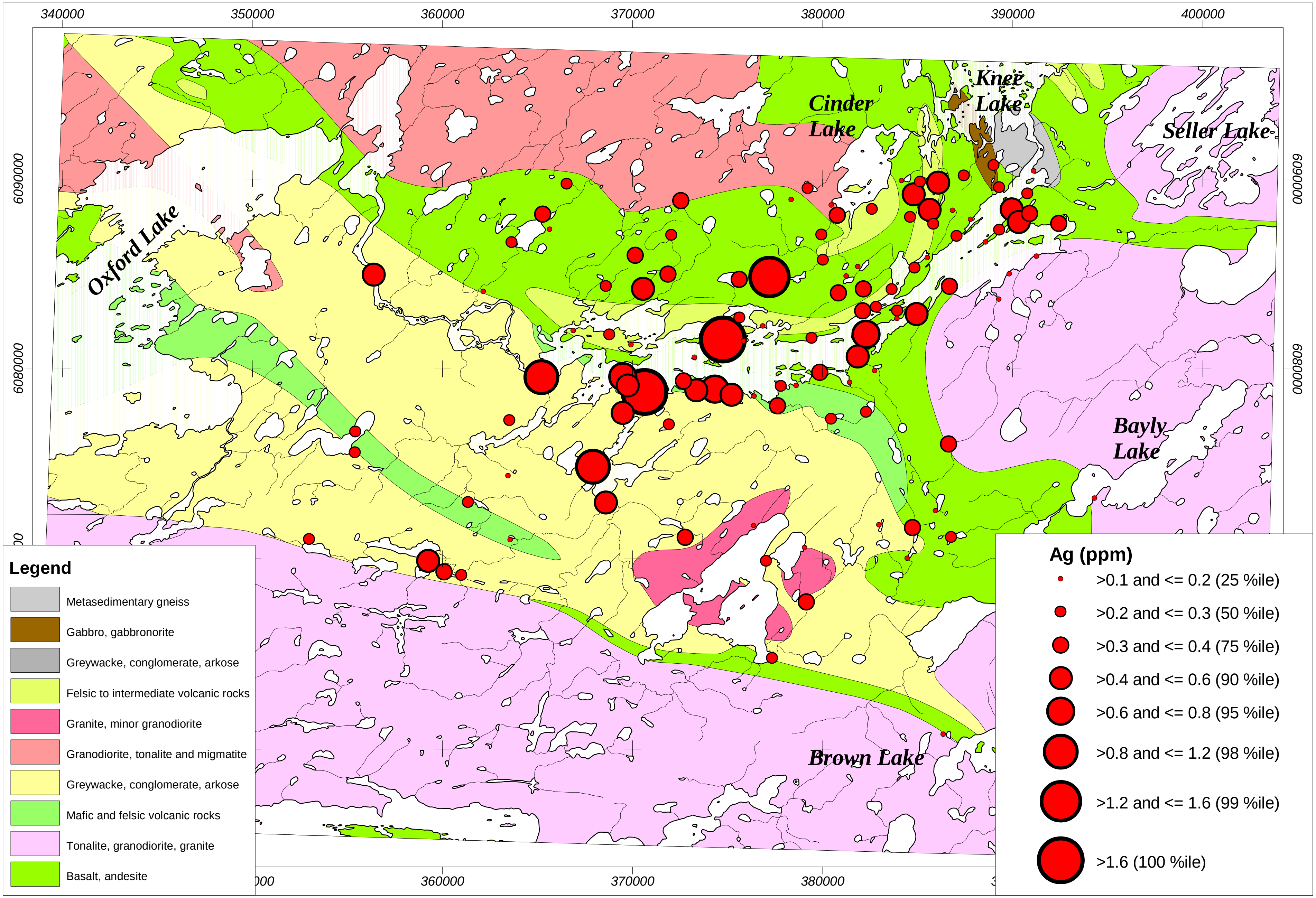
| Sample Site | Fe | K | Mg | Na | P | Sb | Sc | Sn | Sr | Ti | V | W | Y | Zr | S | $H^+$ | *K* | Hg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % | % | % | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppb | mhos $cm^{-1}$ | ppb |
| 99R-21 Analytical Duplicate | 7.53 | 0.04 | 11.46 | 0.01 | 94 | 17 | 8 | 5 | 8 | 0.01 | 76 | 5 | 4 | 4 | 240 | -2.6 | 3.2 | 3 |
| 99R-21 Analytical Duplicate | 7.83 | 0.04 | 12.20 | 0.02 | 129 | 33 | 8 | 5 | 8 | 0.01 | 78 | 5 | 4 | 5 | 245 | | | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-38 Analytical Duplicate | 4.88 | 0.31 | 2.45 | 0.11 | 84 | 5 | 5 | 5 | 2 | 0.12 | 48 | 5 | 3 | 5 | 46 | -2.6 | 3.7 | 3 |
| 99R-38 Analytical Duplicate | 5.08 | 0.32 | 2.53 | 0.13 | 84 | 14 | 6 | 5 | 2 | 0.13 | 52 | 5 | 3 | 5 | 38 | | | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-48-1 Field Duplicate | 1.27 | 0.12 | 0.42 | 0.07 | 263 | 5 | 1 | 5 | 228 | 0.01 | 3 | 5 | 2 | 8 | 182 | -2.6 | 14.5 | 9 |
| 99R-48-2 Field Duplicate | 1.50 | 0.15 | 0.17 | 0.02 | 655 | 5 | 1 | 5 | 1119 | 0.01 | 7 | 5 | 44 | 16 | 24 | -2.6 | 19.3 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-56 Analytical Duplicate | 2.73 | 0.02 | 1.30 | 0.51 | 167 | 5 | 7 | 5 | 55 | 0.12 | 68 | 5 | 6 | 3 | 1064 | -1.9 | 8.8 | 3 |
| 99R-56 Analytical Duplicate | 2.71 | 0.02 | 1.31 | 0.51 | 154 | 5 | 7 | 5 | 55 | 0.12 | 67 | 5 | 6 | 3 | 1049 | | | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-104 Analytical Duplicate | 7.58 | 0.03 | 4.33 | 0.08 | 1232 | 19 | 9 | 5 | 105 | 0.28 | 159 | 5 | 14 | 7 | 2460 | -1.9 | 4.8 | 3 |
| 99R-104 Analytical Duplicate | 7.16 | 0.02 | 4.17 | 0.06 | 1223 | 19 | 6 | 5 | 62 | 0.21 | 142 | 5 | 10 | 6 | 2508 | | | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-202-1 Field Duplicate | 10.44 | 0.40 | 1.12 | 0.26 | 1515 | 5 | 5 | 5 | 104 | 0.09 | 41 | 5 | 10 | 17 | 30120 | 35.2 | 38.5 | 3 |
| 99R-202-2 Field Duplicate | 0.43 | 0.02 | 0.10 | 0.04 | 341 | 5 | 1 | 5 | 21 | 0.01 | 3 | 5 | 2 | 5 | 198 | -1.9 | 16.4 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-213-1 Field Duplicate | 3.82 | 0.26 | 0.93 | 0.07 | 647 | 5 | 6 | 5 | 33 | 0.16 | 75 | 5 | 8 | 20 | 478 | -1.9 | 7.0 | 3 |
| 99R-213-2 Field Duplicate | 3.67 | 0.78 | 0.49 | 0.13 | 628 | 5 | 3 | 5 | 38 | 0.13 | 57 | 5 | 4 | 20 | 10170 | 1.2 | 32.0 | 3 |
| 99R-213-3 Field Duplicate | 4.88 | 0.57 | 0.63 | 0.13 | 787 | 5 | 5 | 5 | 57 | 0.15 | 77 | 5 | 5 | 19 | 17430 | 23.8 | 51.9 | 3 |
| 99R-213-4 Field Duplicate | 4.90 | 0.68 | 0.68 | 0.10 | 451 | 5 | 3 | 5 | 40 | 0.13 | 53 | 5 | 4 | 19 | 19520 | 2.4 | 111.1 | 3 |
| 99R-213-5 Field Duplicate | 7.04 | 0.17 | 0.44 | 0.10 | 813 | 5 | 2 | 5 | 38 | 0.03 | 16 | 5 | 5 | 12 | 17030 | -1.9 | 88.2 | 3 |
| 99R-213-6 Field Duplicate | 6.62 | 0.18 | 0.43 | 0.16 | 2326 | 5 | 2 | 5 | 229 | 0.03 | 18 | 5 | 7 | 11 | 29010 | 142.6 | 82.4 | 3 |
| 99R-213-7 Field Duplicate | 3.66 | 0.15 | 0.16 | 0.08 | 285 | 5 | 3 | 5 | 17 | 0.08 | 28 | 5 | 4 | 18 | 24900 | 32.0 | 41.0 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-241 Analytical Duplicate | 4.14 | 1.92 | 1.92 | 0.07 | 857 | 5 | 8 | 5 | 24 | 0.21 | 102 | 5 | 16 | 12 | 1253 | -1.9 | 11.6 | 3 |
| 99R-241 Analytical Duplicate | 4.02 | 1.86 | 1.86 | 0.07 | 870 | 5 | 8 | 5 | 23 | 0.21 | 99 | 5 | 16 | 12 | 1210 | | | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-281-1 Field Duplicate | 4.04 | 0.06 | 0.41 | 0.12 | 225 | 5 | 4 | 5 | 5 | 0.05 | 27 | 5 | 2 | 5 | 2312 | -1.6 | 20.3 | 3 |
| 99R-281-2 Field Duplicate | 5.76 | 0.09 | 0.64 | 0.23 | 132 | 5 | 6 | 5 | 29 | 0.05 | 43 | 33 | 3 | 8 | 10050 | 0.8 | 41.0 | 3 |
| 99R-281-2 Analytical Duplicate | 5.52 | 0.08 | 0.60 | 0.22 | 130 | 5 | 5 | 5 | 28 | 0.05 | 41 | 39 | 2 | 8 | 9957 | | | 3 |
| 99R-281-3 Field Duplicate | 1.43 | 0.05 | 0.40 | 0.11 | 195 | 5 | 4 | 5 | 6 | 0.04 | 28 | 5 | 2 | 3 | 19 | -1.9 | 3.4 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-292-1 Field Duplicate | 6.50 | 1.90 | 1.49 | 0.06 | 669 | 5 | 12 | 5 | 18 | 0.19 | 92 | 5 | 7 | 22 | 11170 | -1.9 | 56.1 | 3 |
| 99R-292-2 Field Duplicate | 3.86 | 3.32 | 5.59 | 0.06 | 1109 | 5 | 2 | 5 | 38 | 0.26 | 87 | 5 | 2 | 12 | 1171 | -1.9 | 9.7 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-294-1 Field Duplicate | 6.47 | 0.03 | 2.98 | 0.03 | 324 | 5 | 4 | 5 | 12 | 0.07 | 96 | 5 | 6 | 9 | 538 | -1.9 | 32.1 | 3 |
| 99R-294-2 Field Duplicate | 19.47 | 0.01 | 0.01 | 0.01 | 6 | 5 | 1 | 5 | 1 | 0.01 | 1 | 5 | 1 | 13 | 150120 | | | 132 |

| Sample Site | Fe | K | Mg | Na | P | Sb | Sc | Sn | Sr | Ti | V | W | Y | Zr | S | $H^+$ | *K* | Hg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | % | % | % | % | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppb | mhos $cm^{-1}$ | ppb |
| 99R-295-1 Field Duplicate | 16.79 | 0.99 | 0.52 | 0.02 | 1081 | 12 | 3 | 5 | 91 | 0.06 | 29 | 5 | 4 | 15 | 4187 | -1.9 | 51.0 | 3 |
| 99R-295-2 Field Duplicate | 1.07 | 0.03 | 0.02 | 0.13 | 230 | 5 | 1 | 5 | 11 | 0.01 | 1 | 5 | 1 | 4 | 3469 | -1.9 | 20.9 | 3 |
| 99R-295-2 Analytical Duplicate | 1.01 | 0.03 | 0.02 | 0.12 | 212 | 5 | 1 | 5 | 10 | 0.01 | 1 | 5 | 1 | 4 | 3304 | | | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-297-1 Field Duplicate | 1.99 | 0.70 | 2.21 | 0.29 | 587 | 5 | 8 | 5 | 350 | 0.11 | 65 | 5 | 6 | 15 | 93 | -1.9 | 33.0 | 3 |
| 99R-297-2 Field Duplicate | 3.72 | 0.81 | 6.81 | 0.03 | 848 | 5 | 1 | 5 | 48 | 0.05 | 100 | 5 | 5 | 8 | 535 | -1.9 | 9.8 | 3 |
| 99R-297-3 Field Duplicate | 4.85 | 0.03 | 3.21 | 0.09 | 1025 | 5 | 9 | 5 | 146 | 0.07 | 155 | 5 | 11 | 9 | 7945 | -1.9 | 85.1 | 3 |
| 99R-297-4 Field Duplicate | 5.47 | 0.02 | 0.54 | 0.08 | 613 | 5 | 3 | 5 | 22 | 0.16 | 30 | 5 | 6 | 15 | 26560 | -1.9 | 75.8 | 3 |
| | | | | | | | | | | | | | | | | | | |
| 99R-301 Field Duplicate | 4.70 | 0.02 | 2.68 | 0.04 | 235 | 5 | 3 | 5 | 13 | 0.18 | 70 | 5 | 3 | 4 | 141 | -1.9 | 18.5 | 3 |
| 99R-301-1 Field Duplicate | 19.10 | 0.08 | 0.54 | 0.02 | 181 | 5 | 2 | 5 | 204 | 0.01 | 17 | 5 | 2 | 15 | 2288 | | | 48 |
| 99R-301-2 Field Duplicate | 1.43 | 0.20 | 0.63 | 0.06 | 282 | 5 | 1 | 5 | 539 | 0.01 | 3 | 5 | 3 | 7 | 135 | -1.9 | 22.2 | 41 |
| | | | | | | | | | | | | | | | | | | |
| 99R-302-1 Field Duplicate | 14.24 | 0.43 | 2.34 | 0.10 | 119 | 5 | 12 | 5 | 78 | 0.01 | 61 | 5 | 5 | 15 | 8568 | -1.9 | 45.4 | 32 |
| 99R-302-2 Field Duplicate | 8.03 | 0.07 | 1.07 | 0.02 | 125 | 5 | 2 | 5 | 2 | 0.01 | 19 | 5 | 3 | 12 | 18930 | 3.4 | 52.7 | 106 |
| | | | | | | | | | | | | | | | | | | |
| 99R-304 Analytical Duplicate | 3.56 | 1.09 | 2.77 | 0.09 | 1168 | 5 | 5 | 5 | 118 | 0.19 | 76 | 5 | 9 | 6 | 313 | -1.9 | 23.3 | 7 |
| 99R-304 Analytical Duplicate | 3.35 | 1.05 | 2.58 | 0.08 | 1149 | 5 | 4 | 5 | 106 | 0.18 | 70 | 5 | 8 | 12 | 322 | | | |
| | | | | | | | | | | | | | | | | | | |
| 99R-312-1 Field Duplicate | 8.10 | 0.06 | 1.54 | 0.09 | 314 | 25 | 16 | 5 | 12 | 0.01 | 122 | 5 | 1 | 9 | 19580 | -1.8 | 20.8 | 60 |
| 99R-312-2 Field Duplicate | 21.98 | 0.01 | 0.92 | 0.03 | 63 | 5 | 3 | 5 | 12 | 0.08 | 34 | 5 | 2 | 18 | 150000 | 100.5 | 68.0 | 73 |

Appendix R-4: ICP-AES, $H^+$, *K* and Hg Analyses Percentile Bubble Plots.

| | | | | |
|---|---|---|---|---|
| Ag | Cd | Cu | Mn | Mo |
| Ni | Pb | Zn | Al | As |
| Ba | Be | Ca | Co | Cr |
| Fe | K | Mg | Na | P |
| Sb | Sc | Sr | Ti | V |
| W | Y | Zr | S | $H^+$ |
| *K* (Spec. Cond.) | Hg | | | |

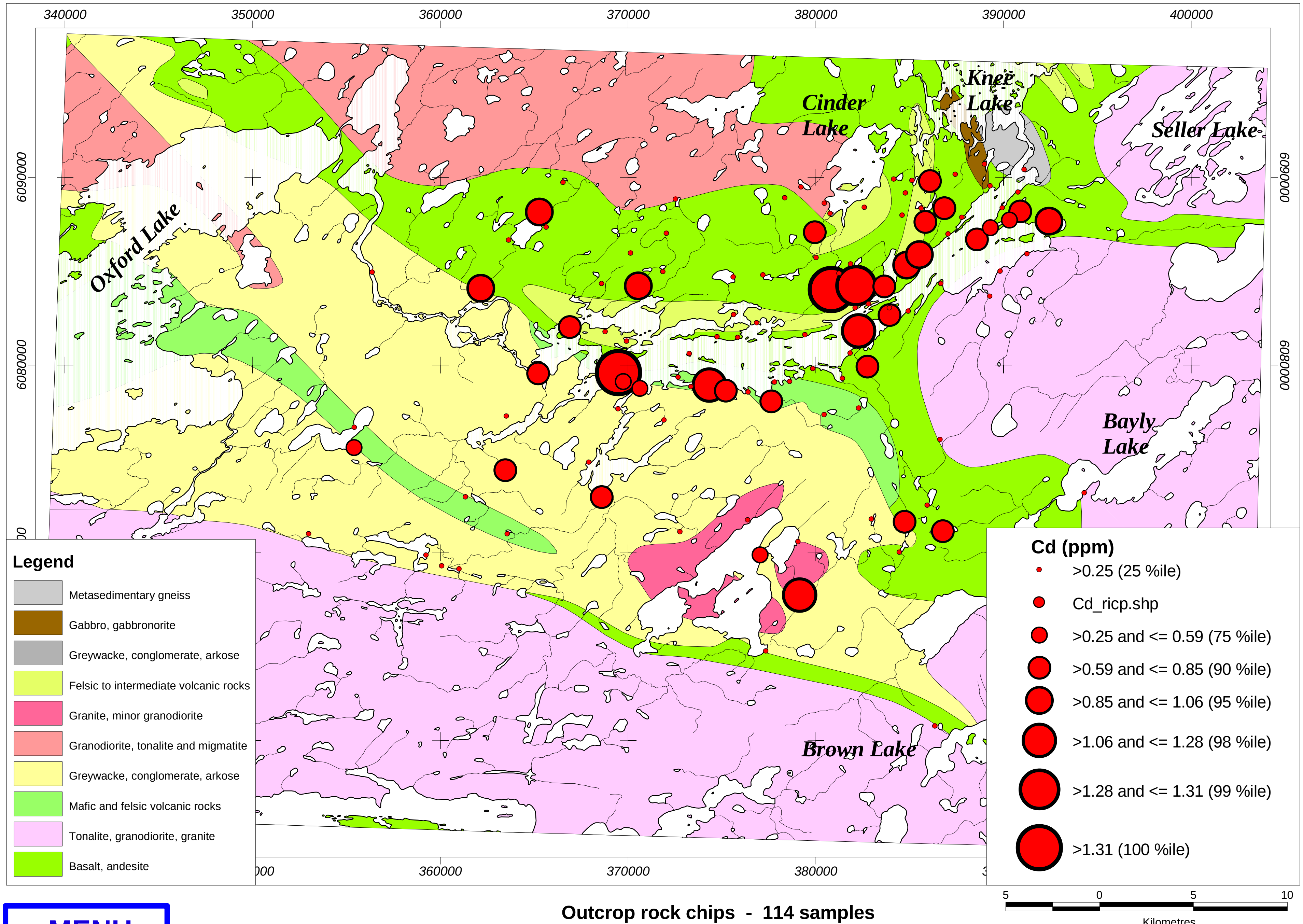
CONTENTS




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

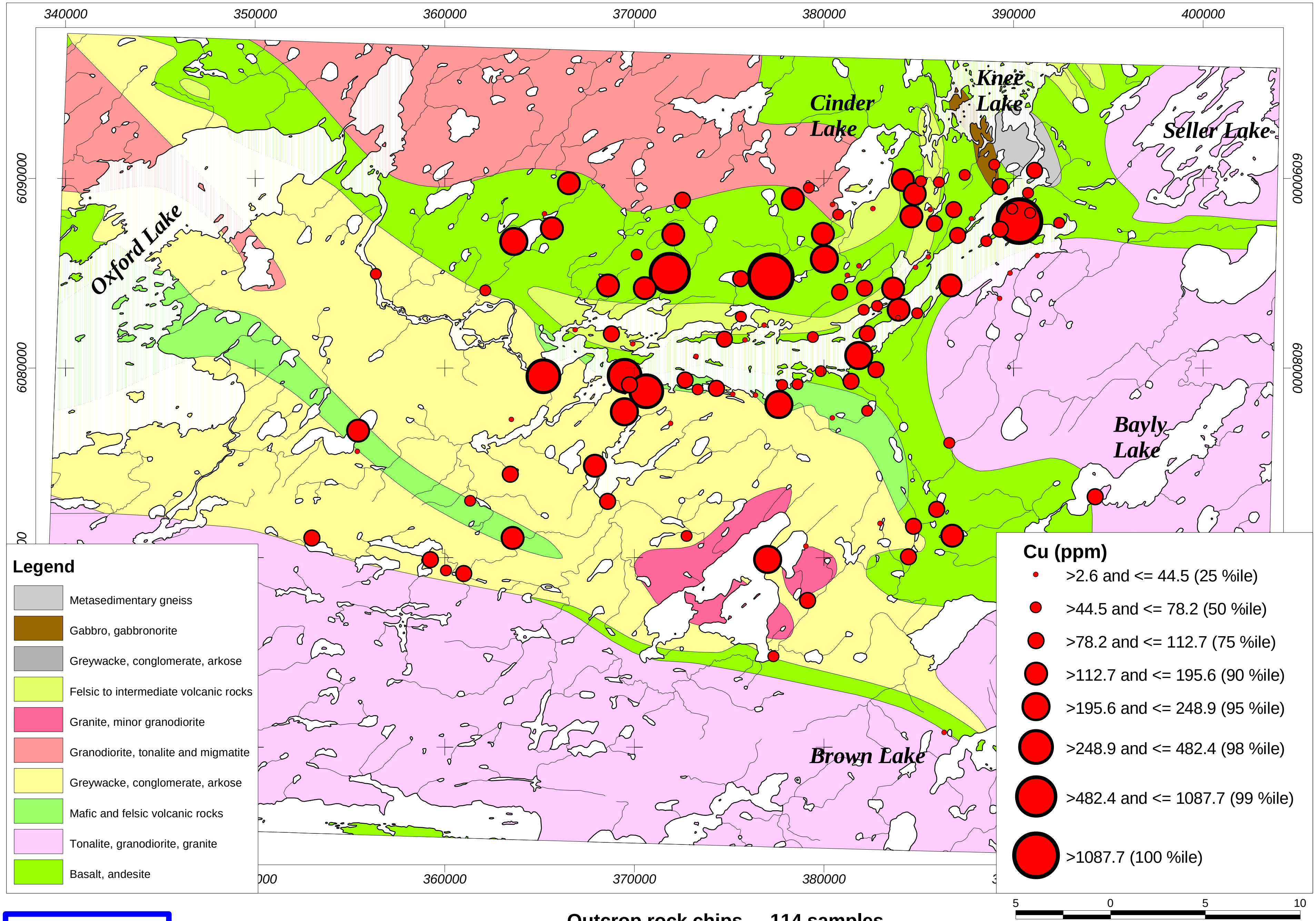
Appendix R-4-1




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

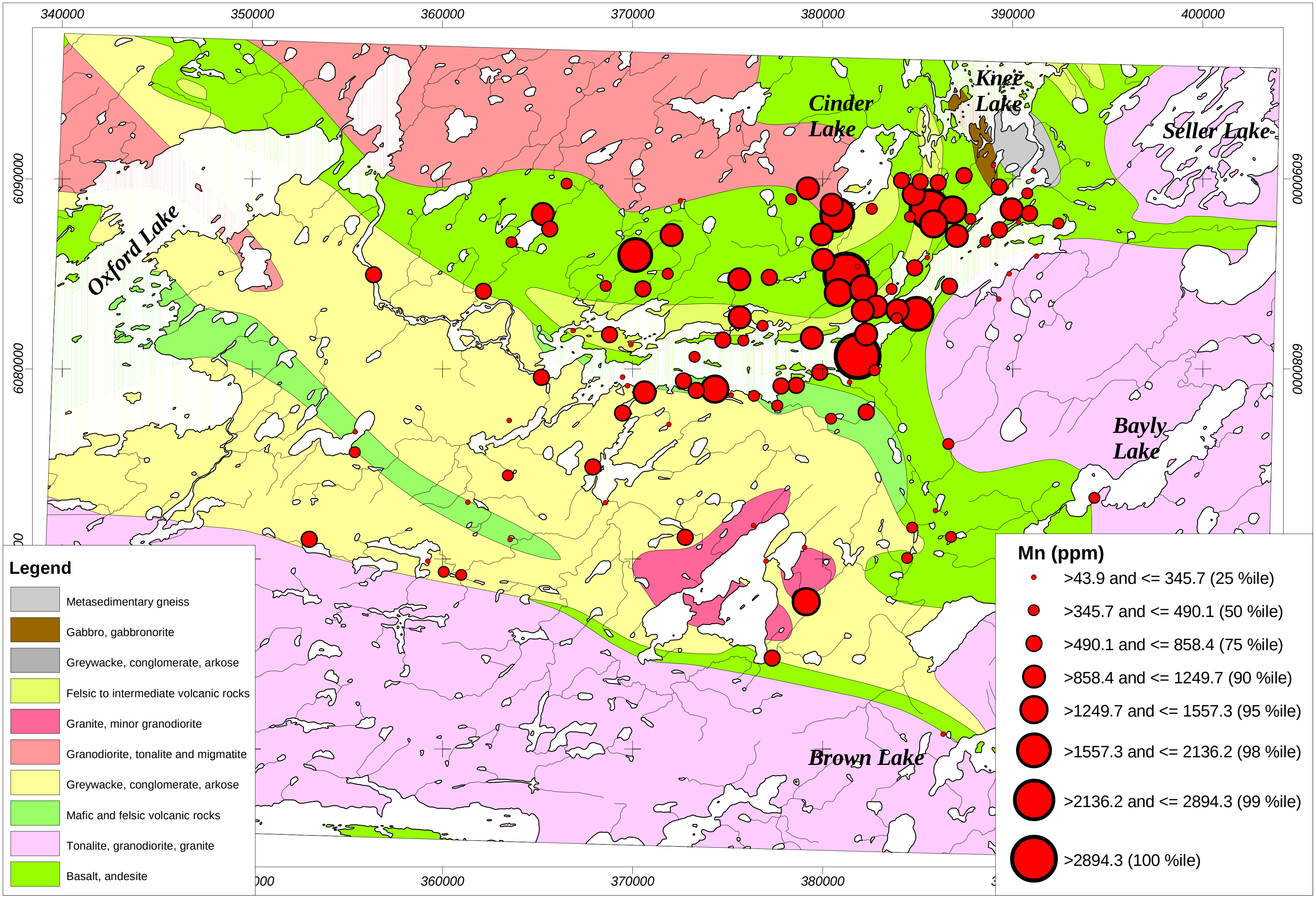
Appendix R-4-2




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

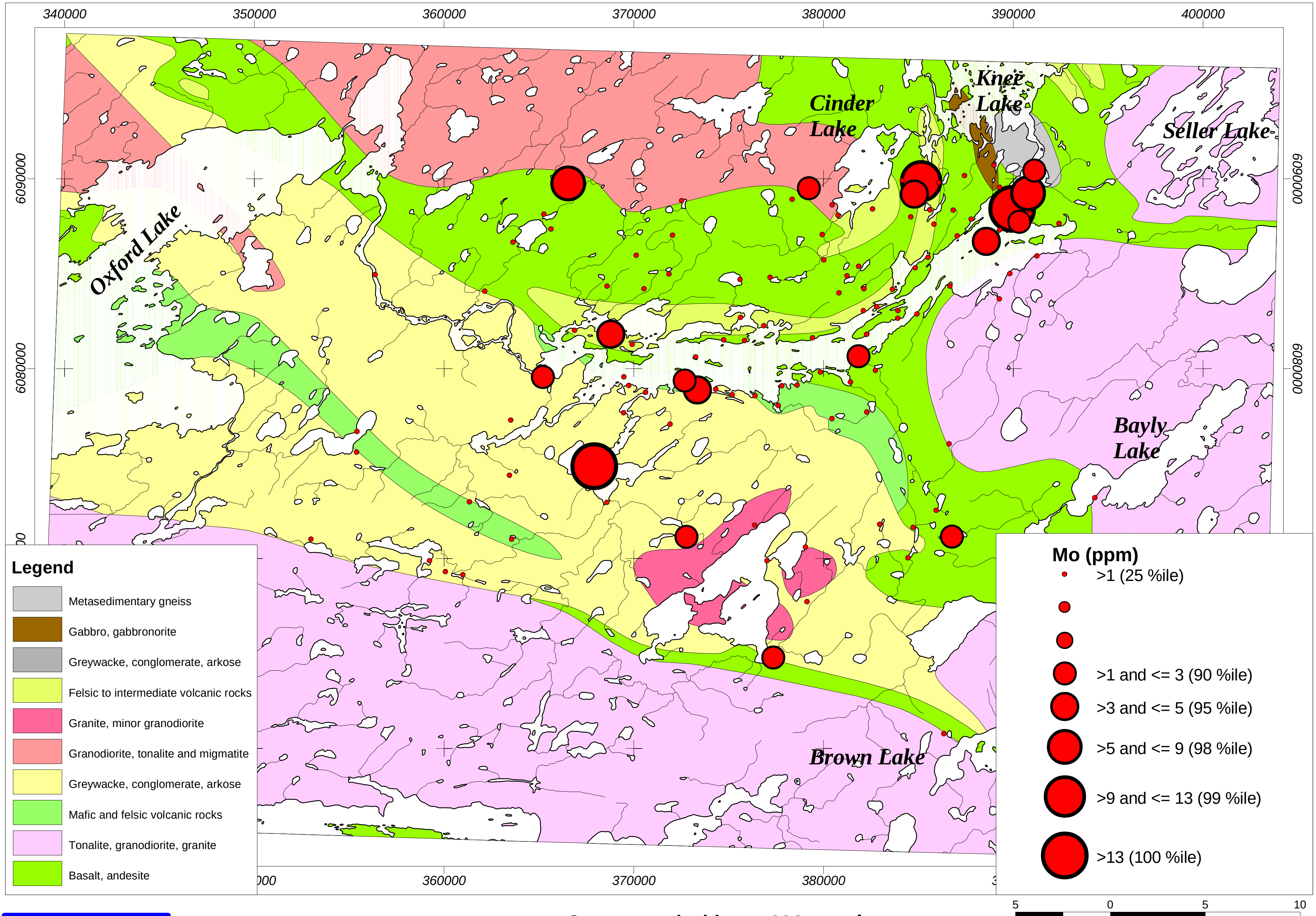
Appendix R-4-3




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

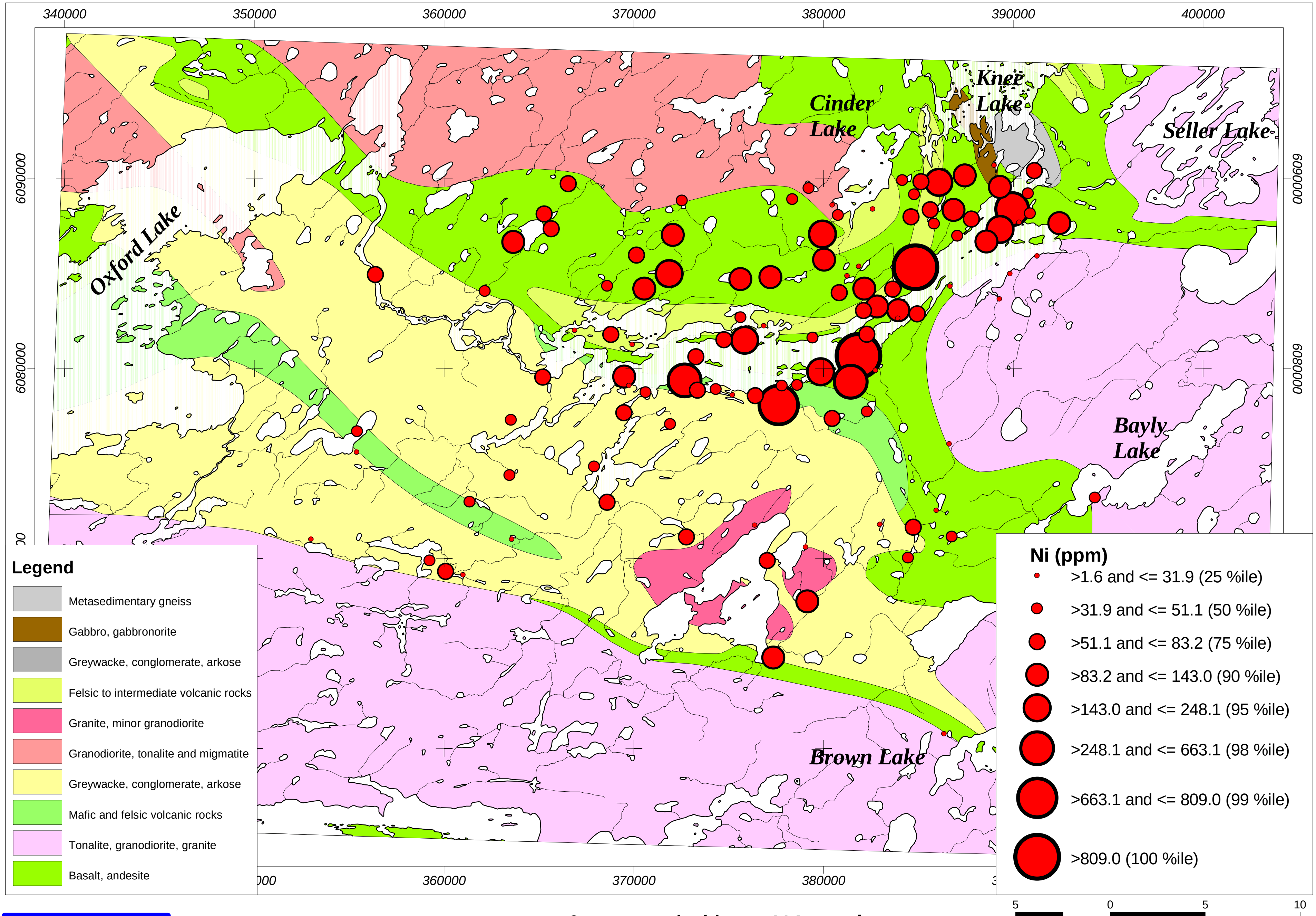
Appendix R-4-4




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

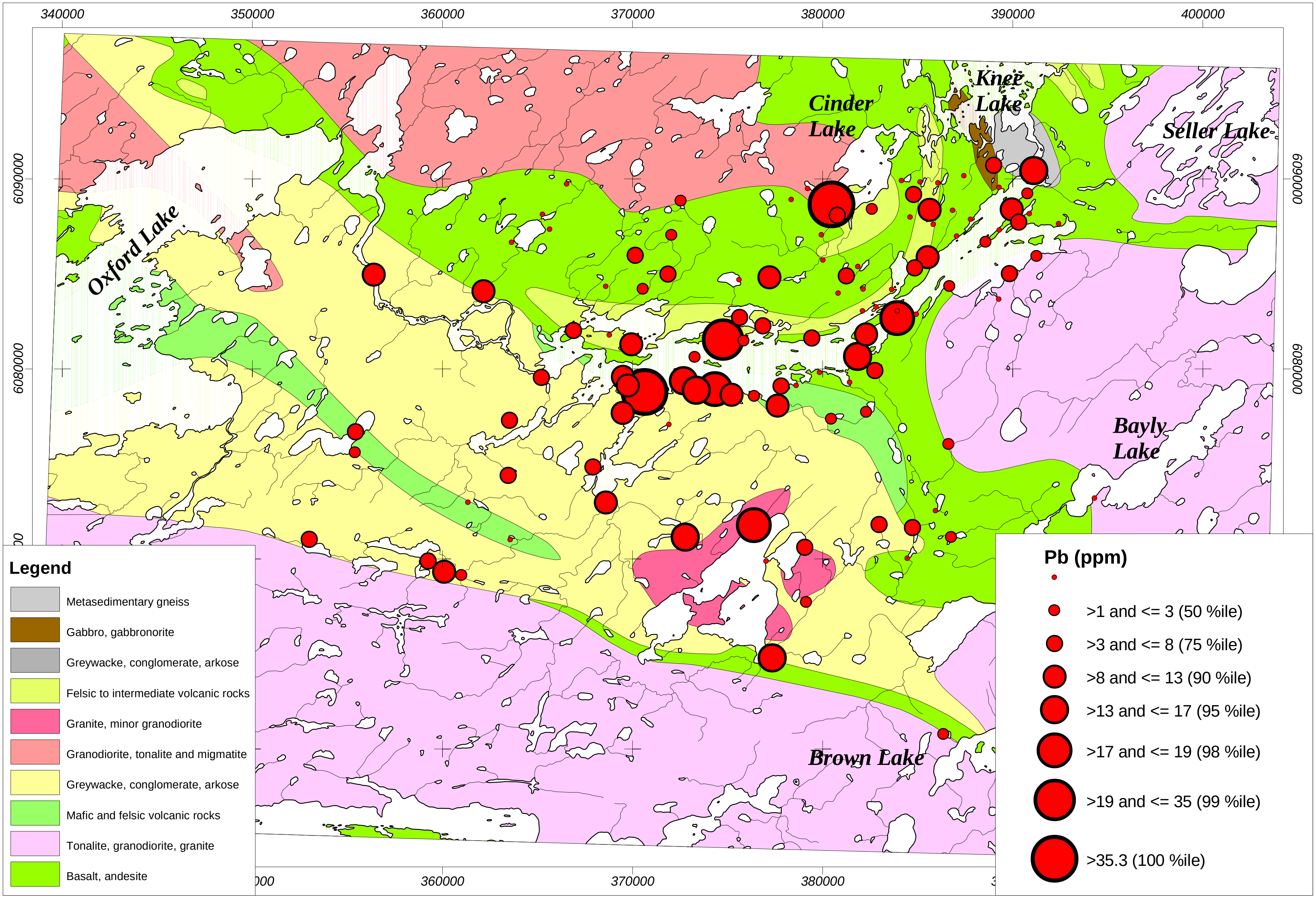
Appendix R-4-5




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

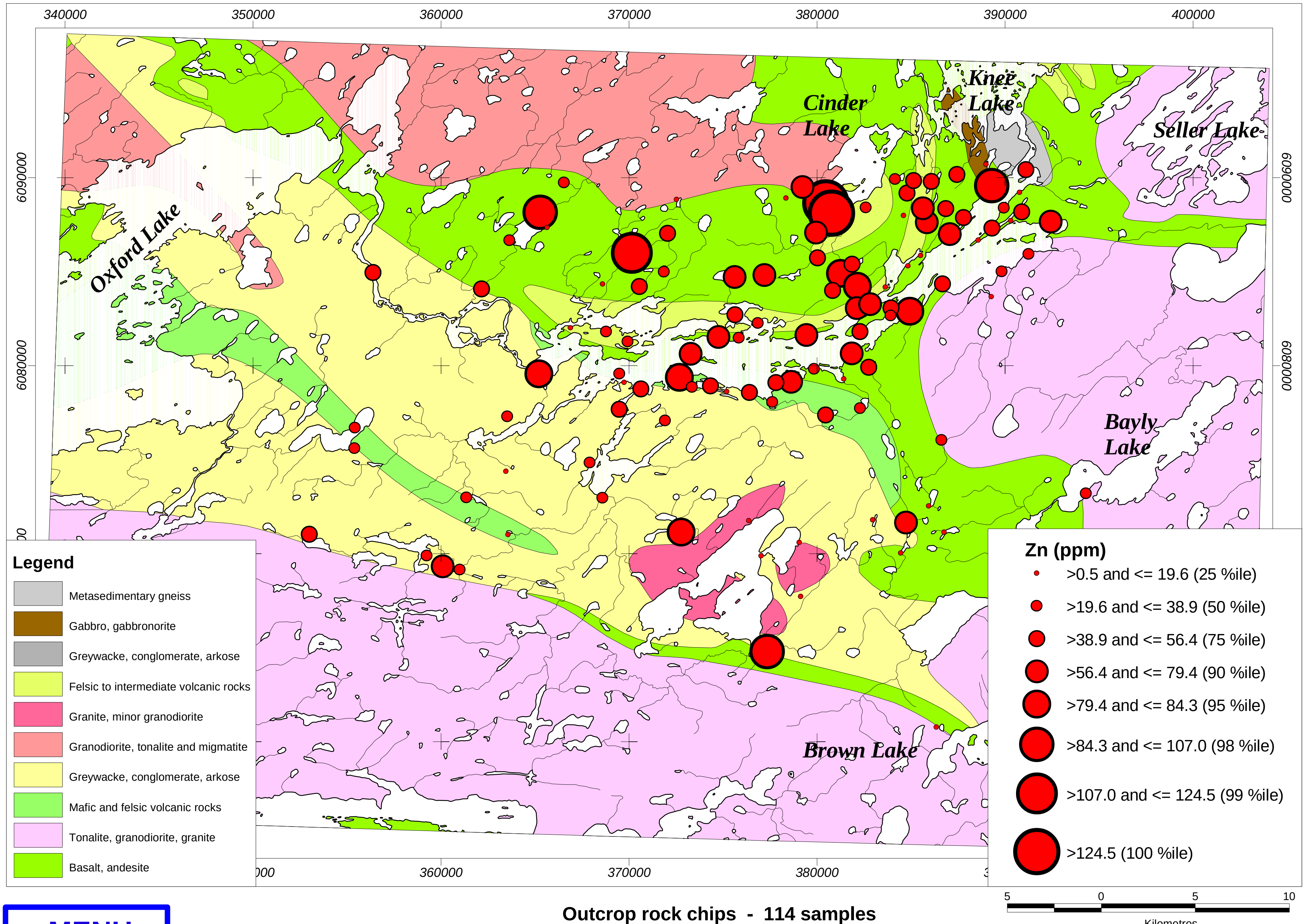
Appendix R-4-6




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

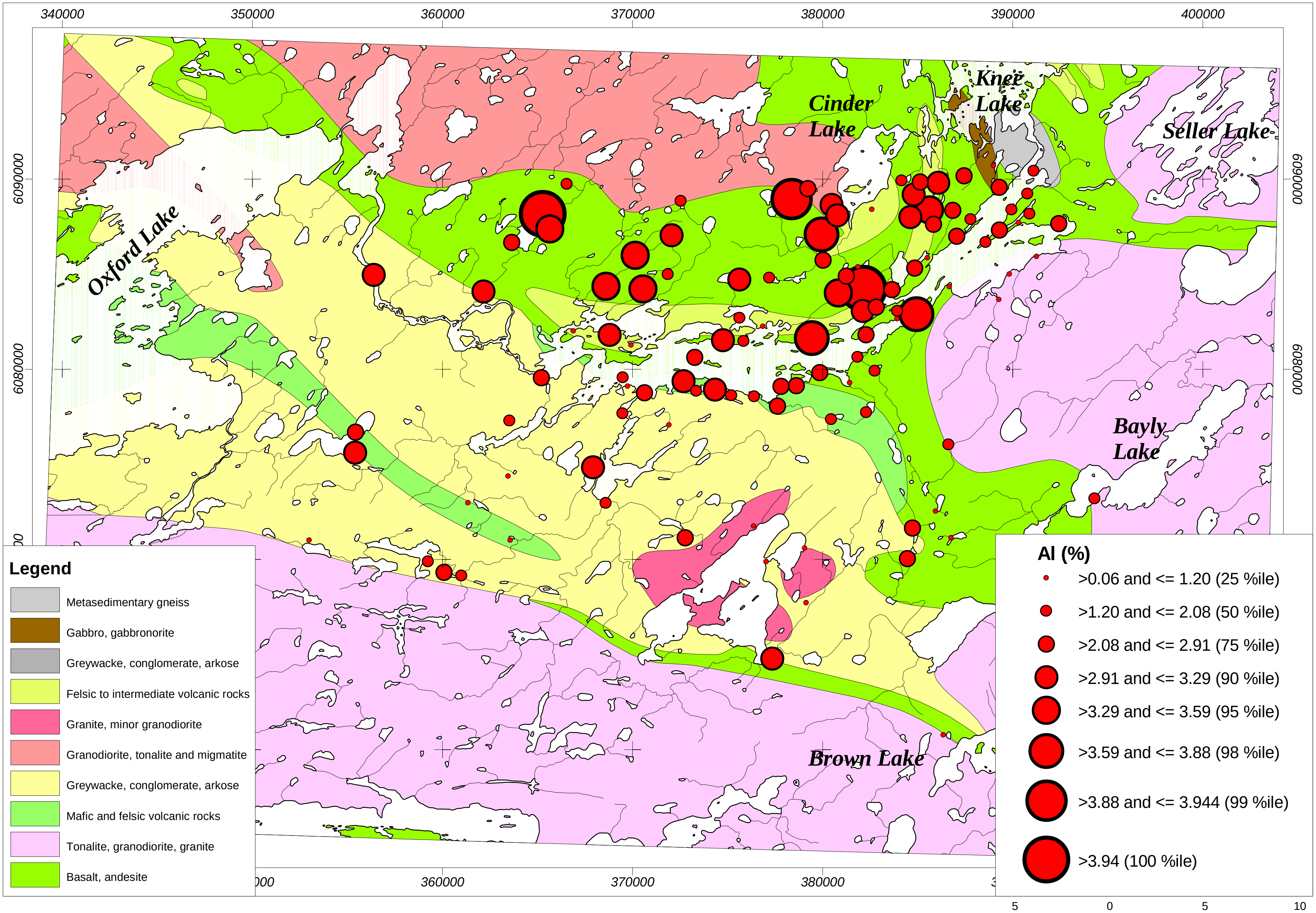
Appendix R-4-7




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

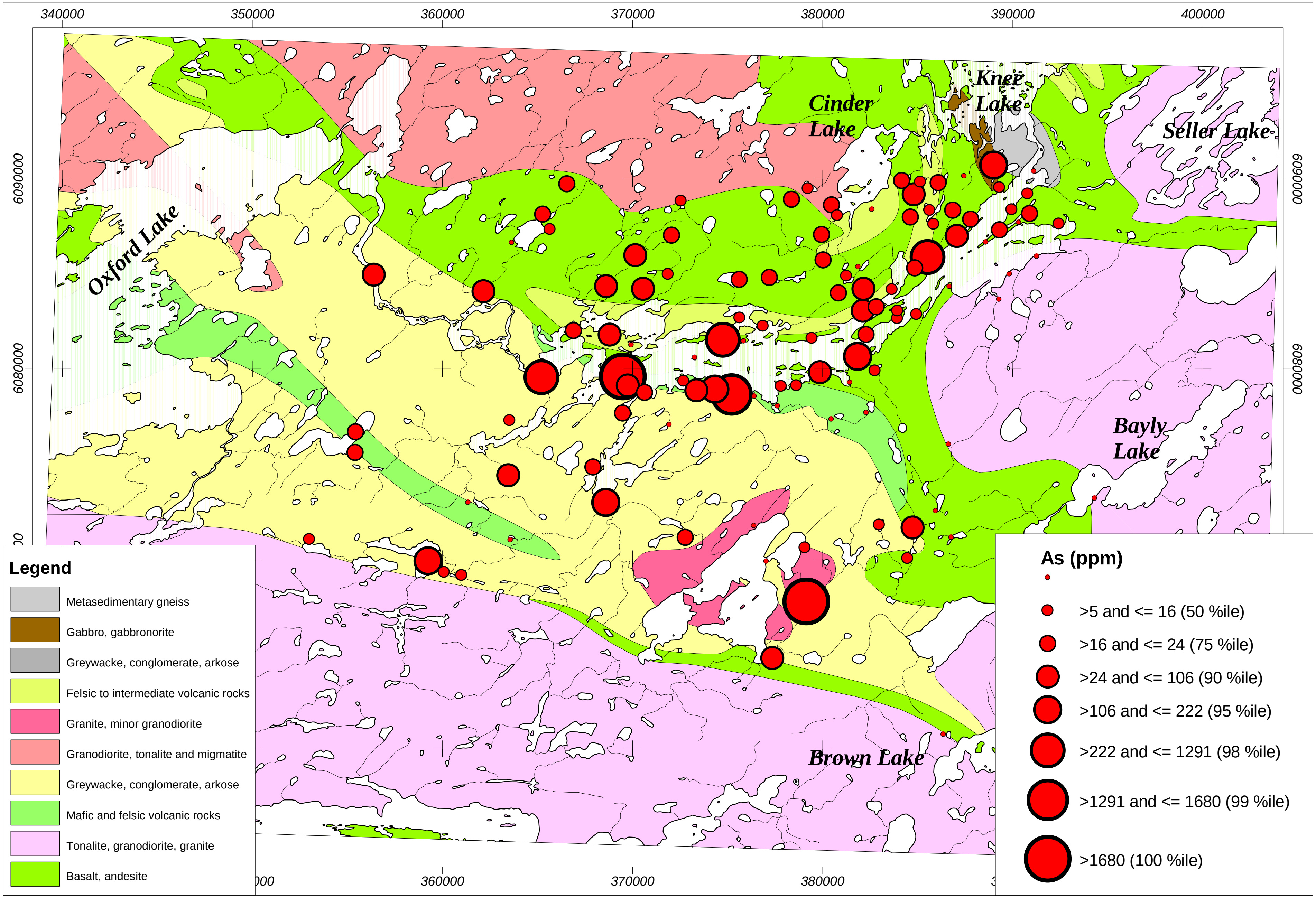
Appendix R-4-8




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

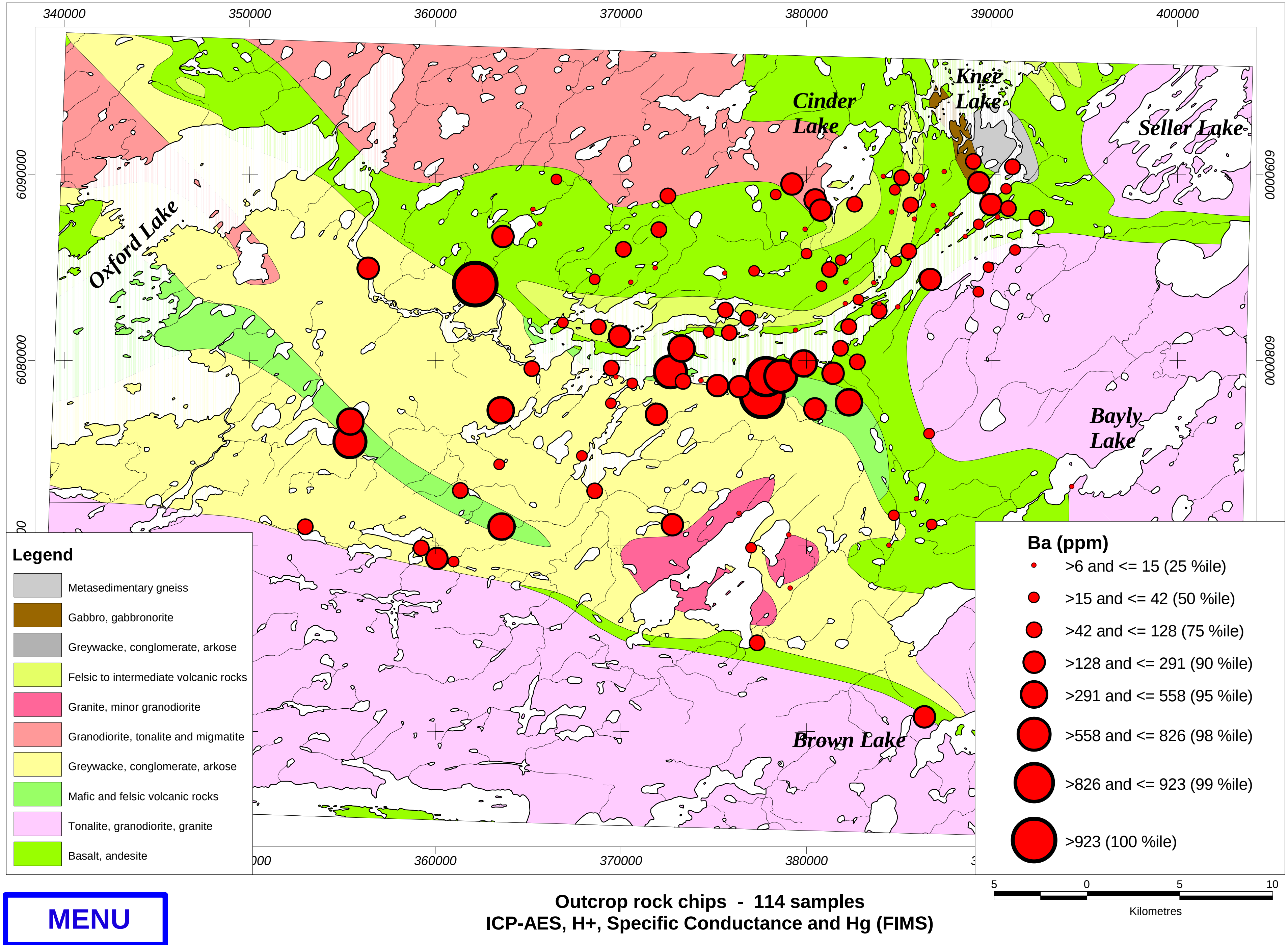
Appendix R-4-9




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

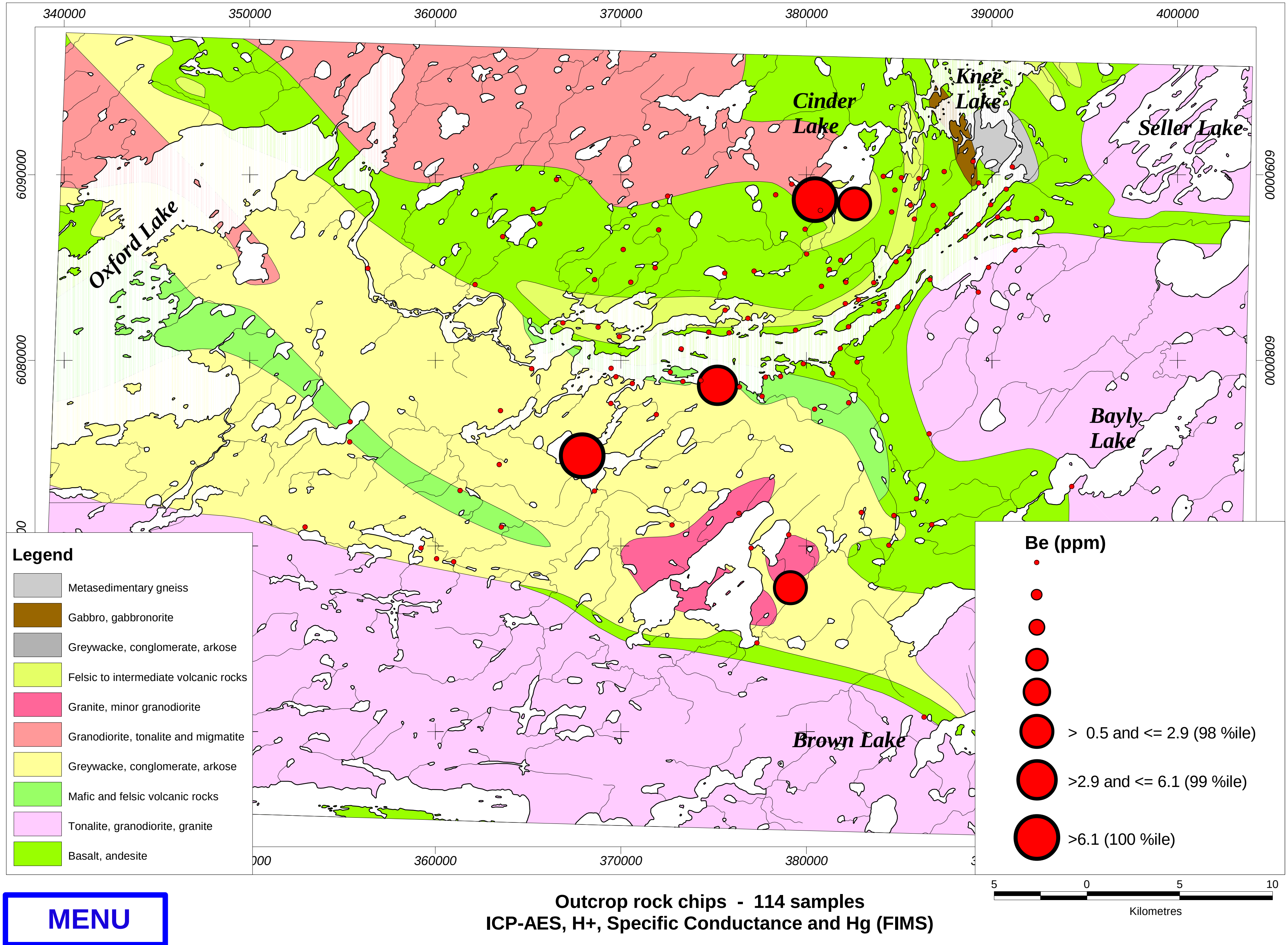
Appendix R-4-10




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

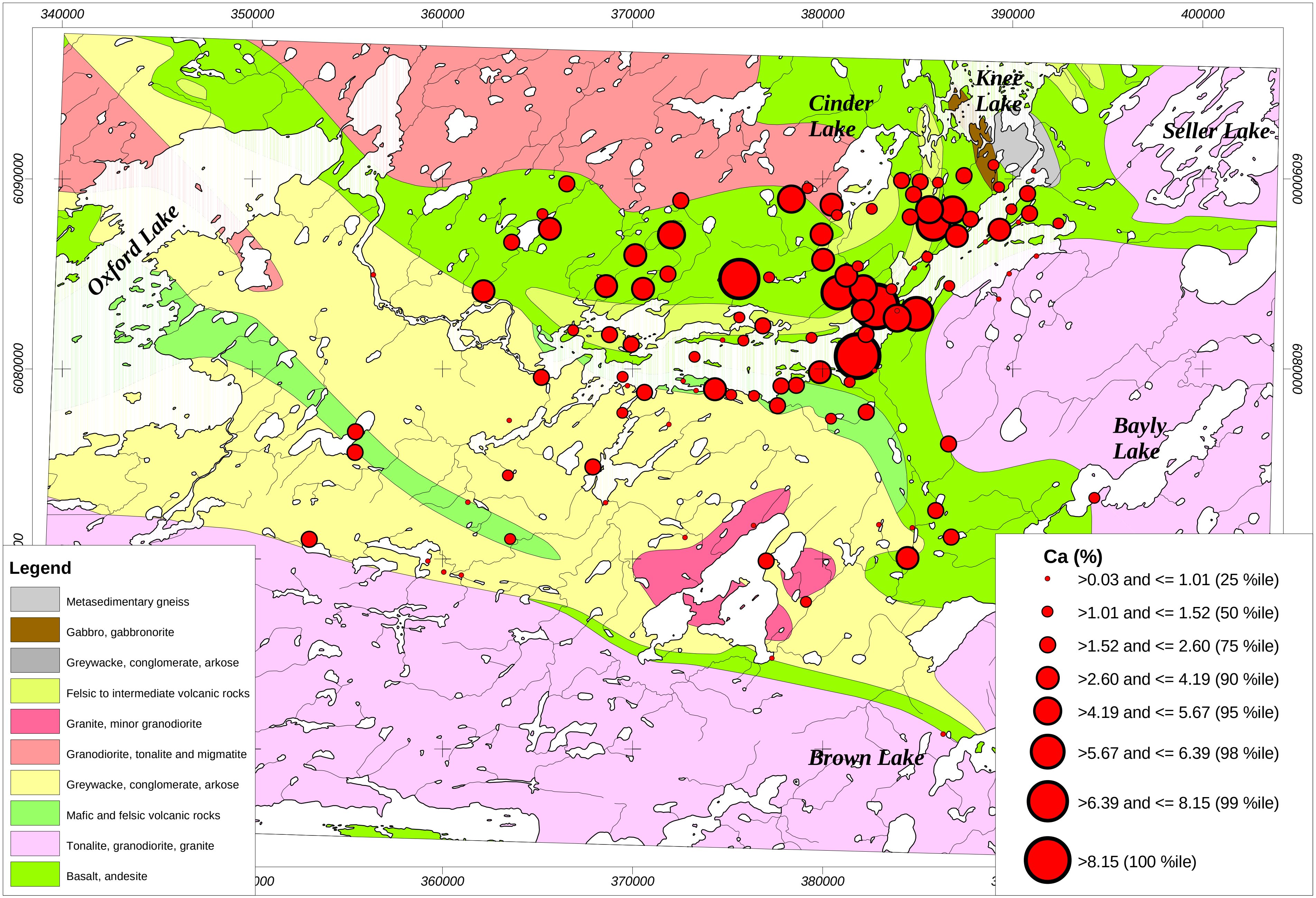
Appendix R-4-11




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

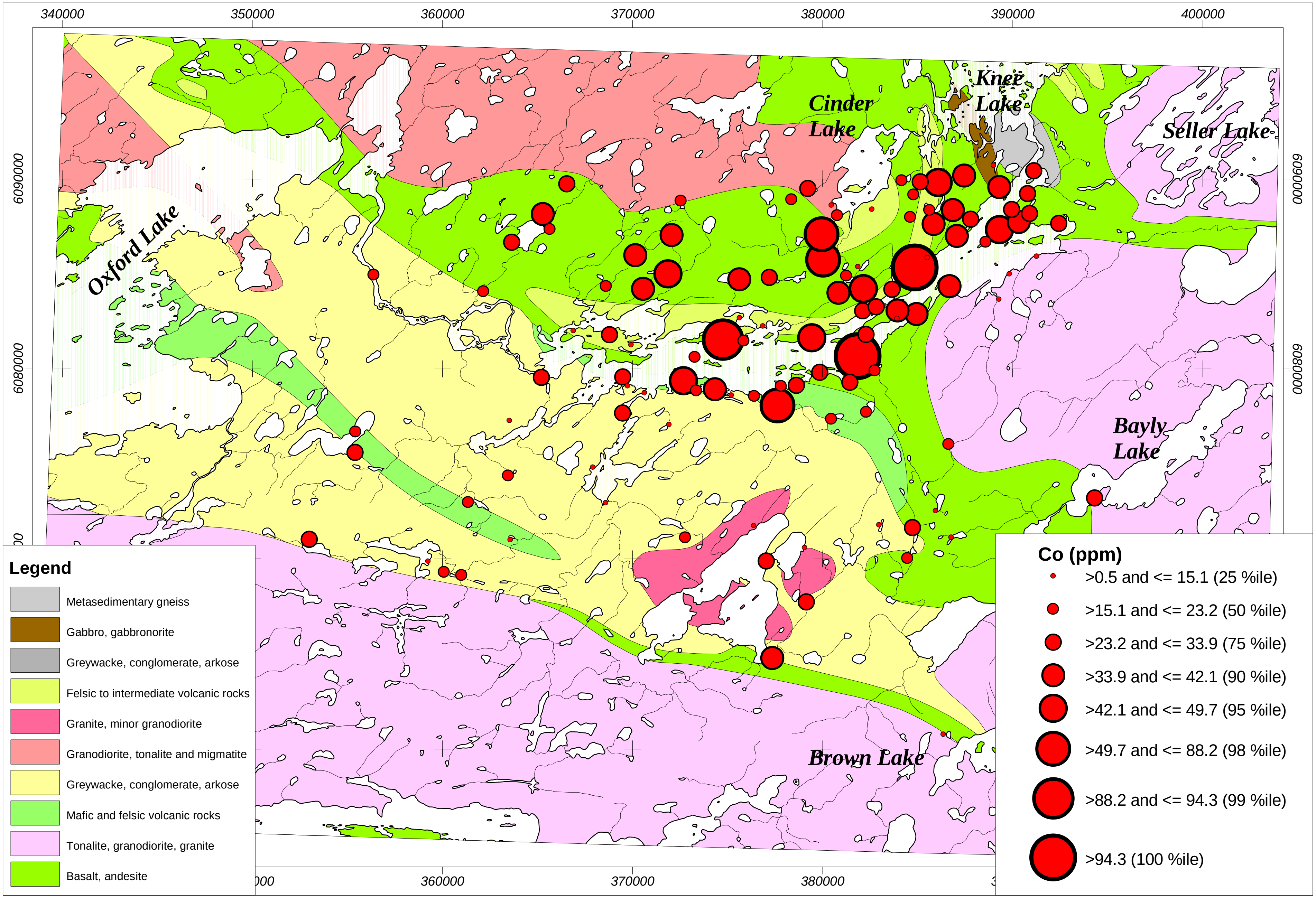
Appendix R-4-12




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

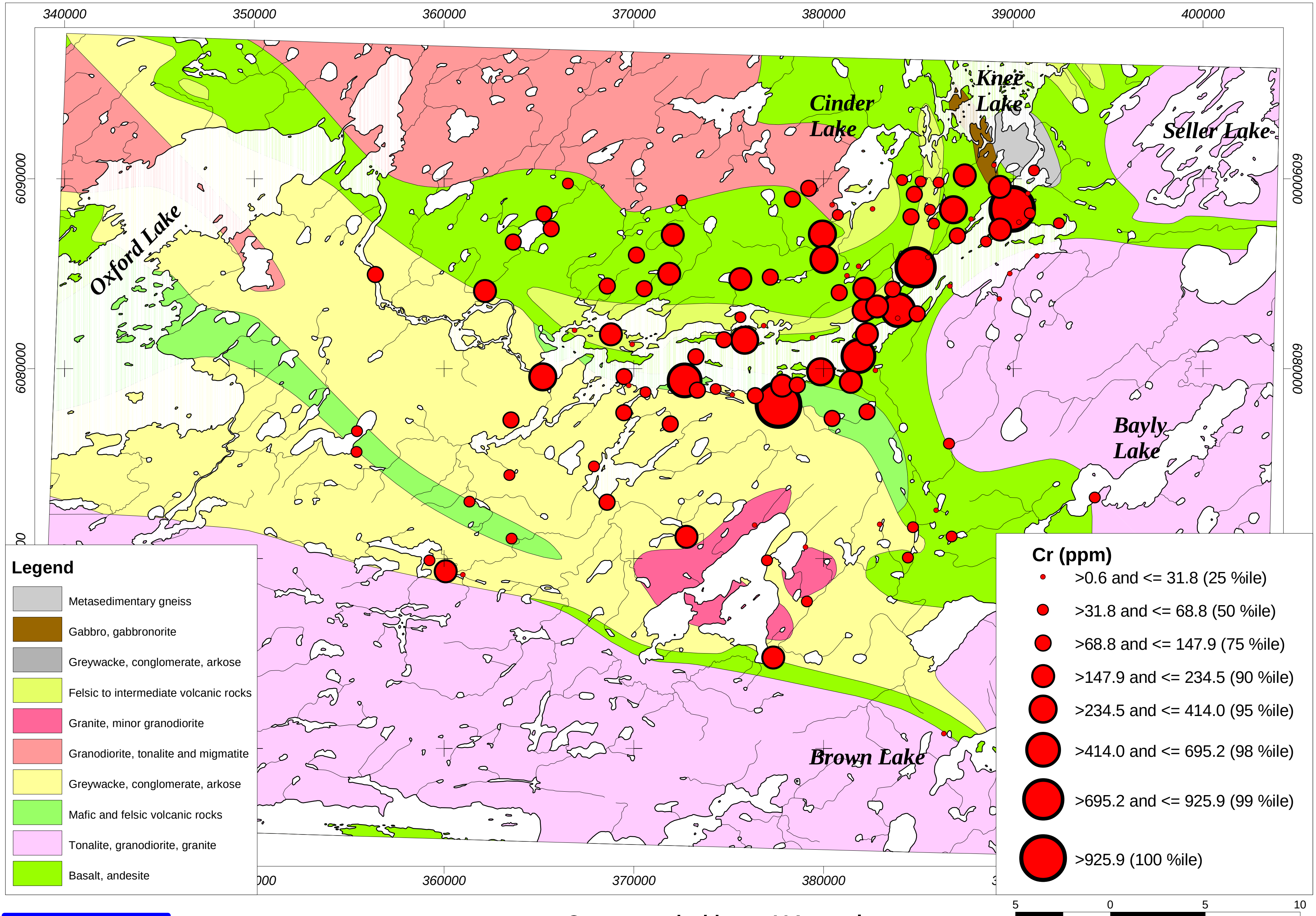
Appendix R-4-13




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

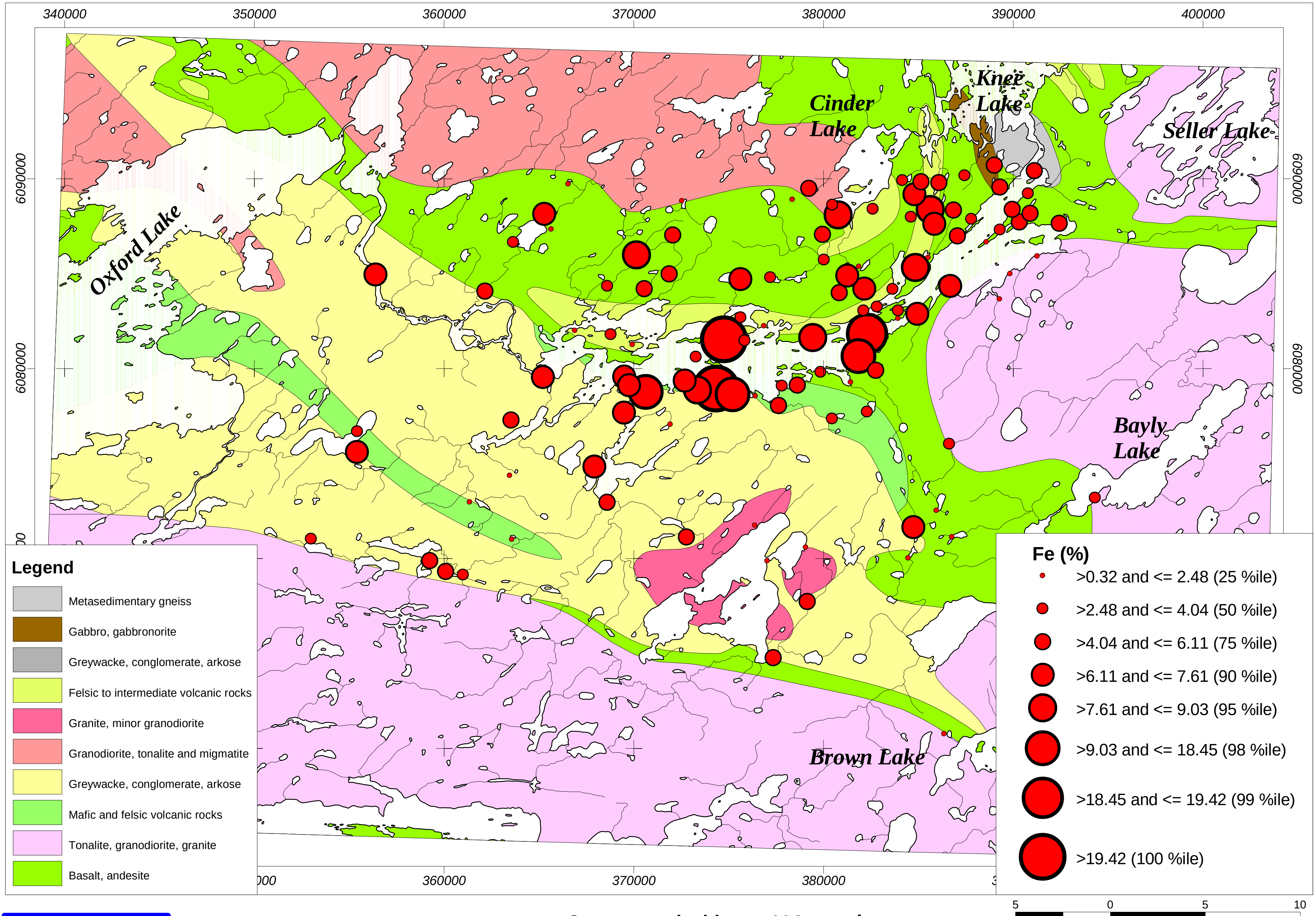
Appendix R-4-14




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

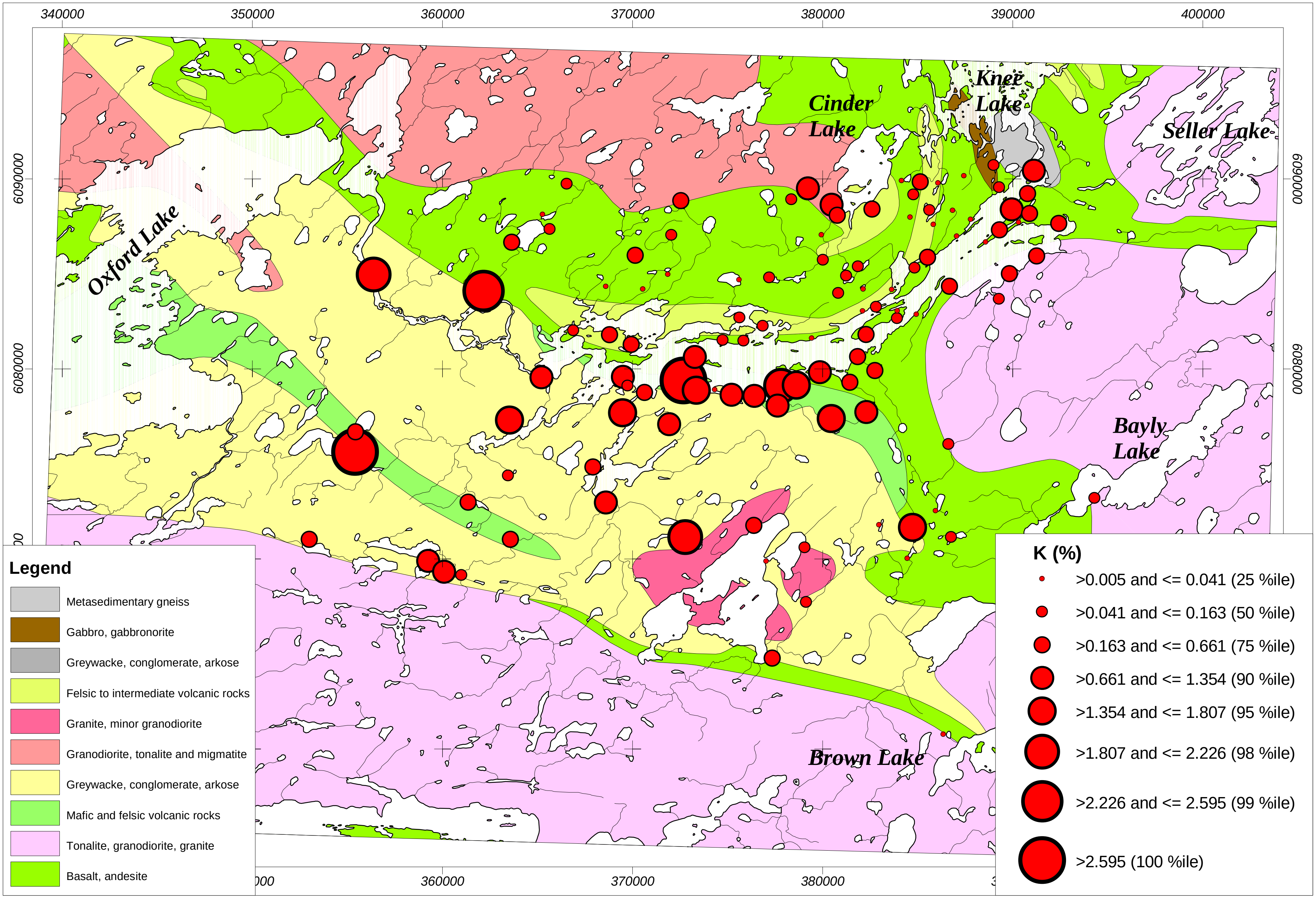
Appendix R-4-15




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

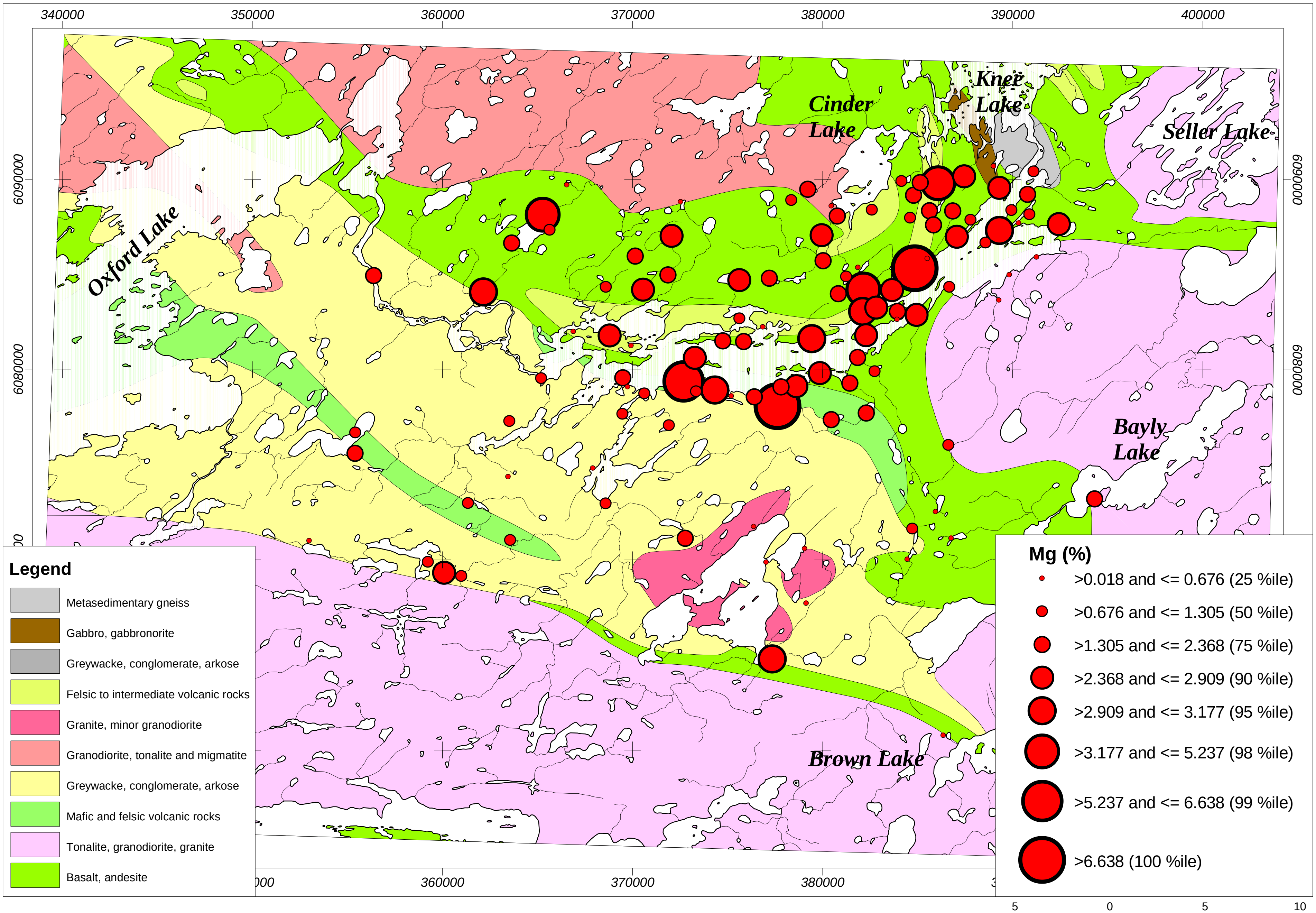
Appendix R-4-16




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

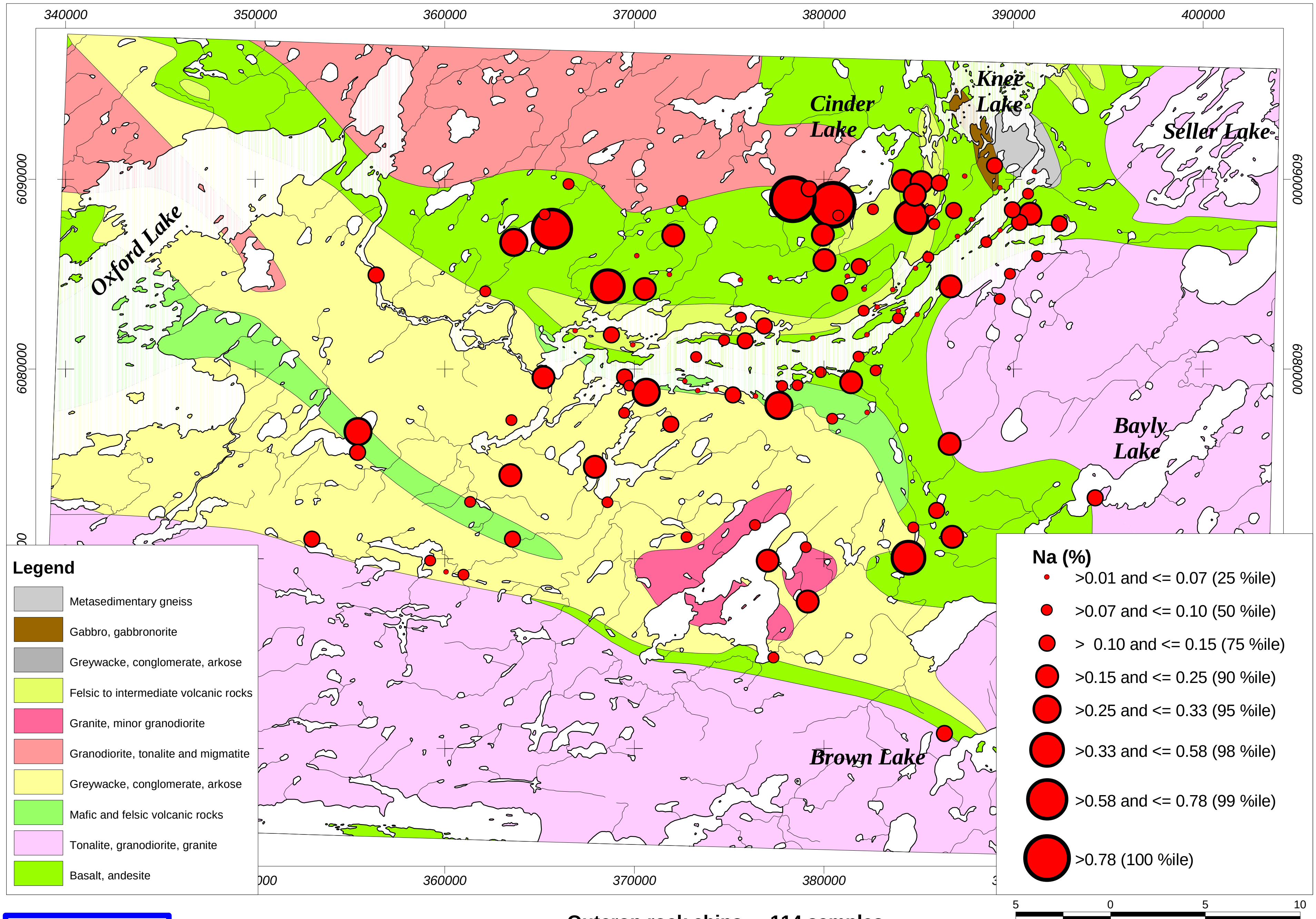
Appendix R-4-17




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

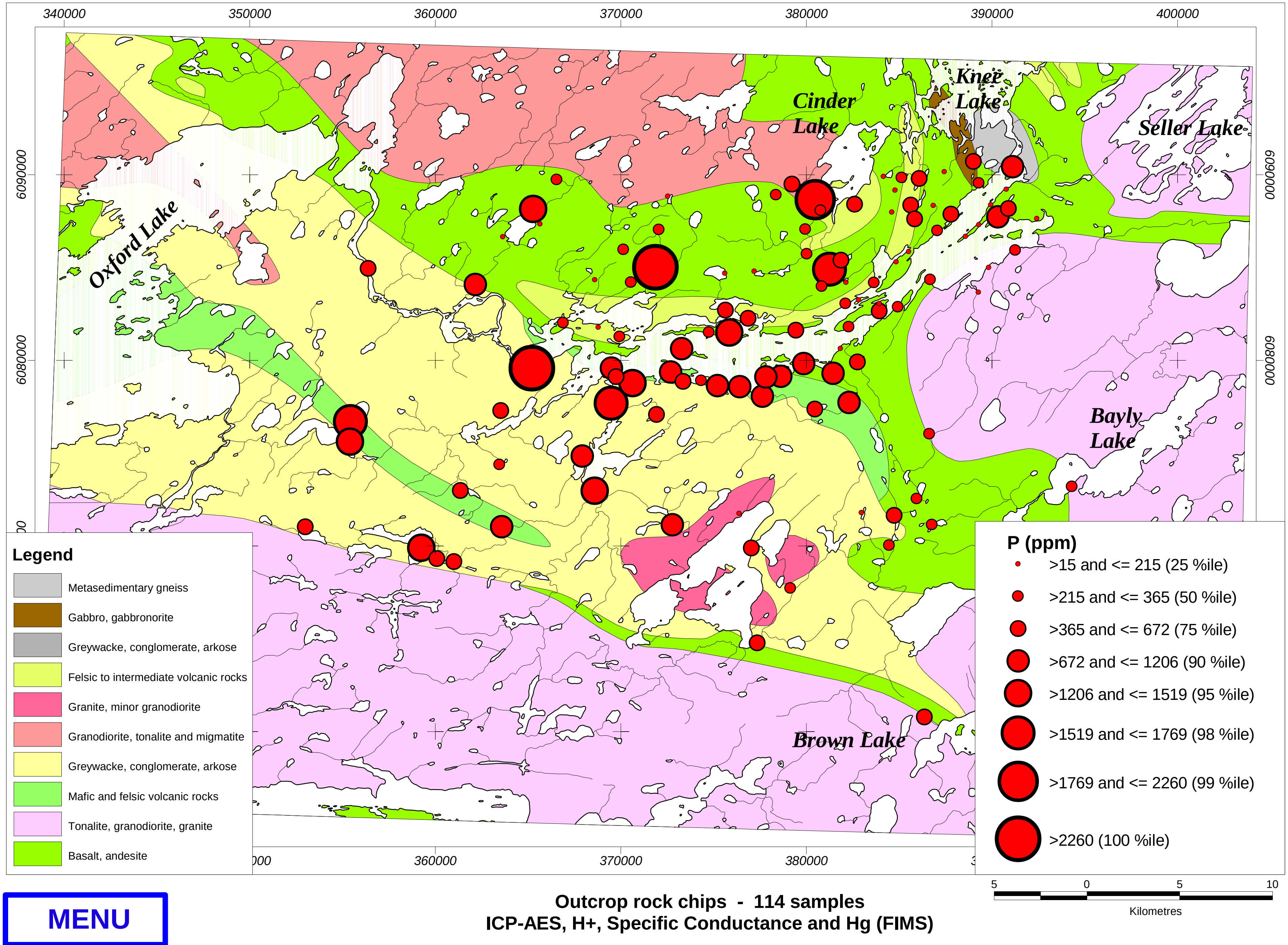
Appendix R-4-18




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

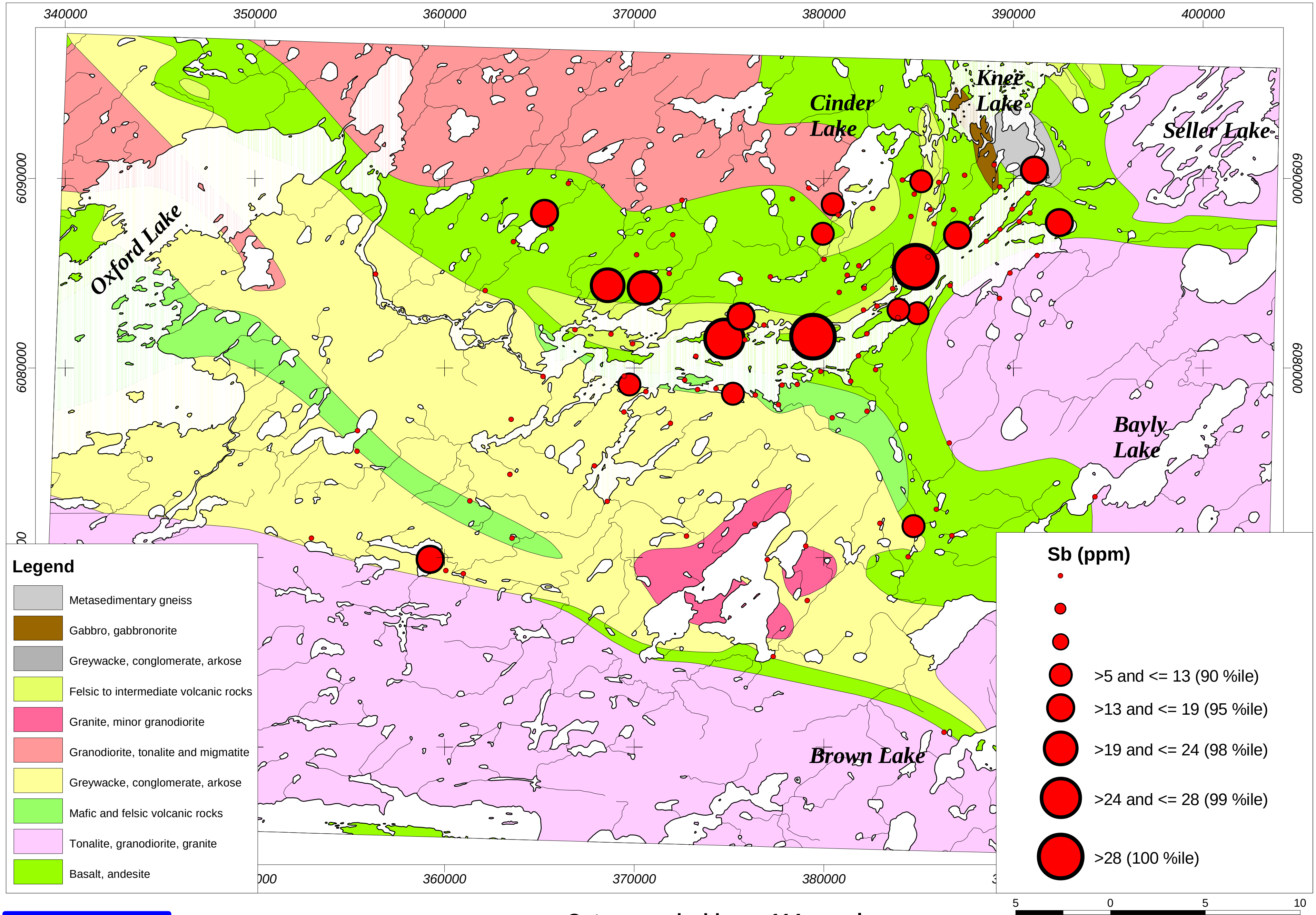
Appendix R-4-19




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

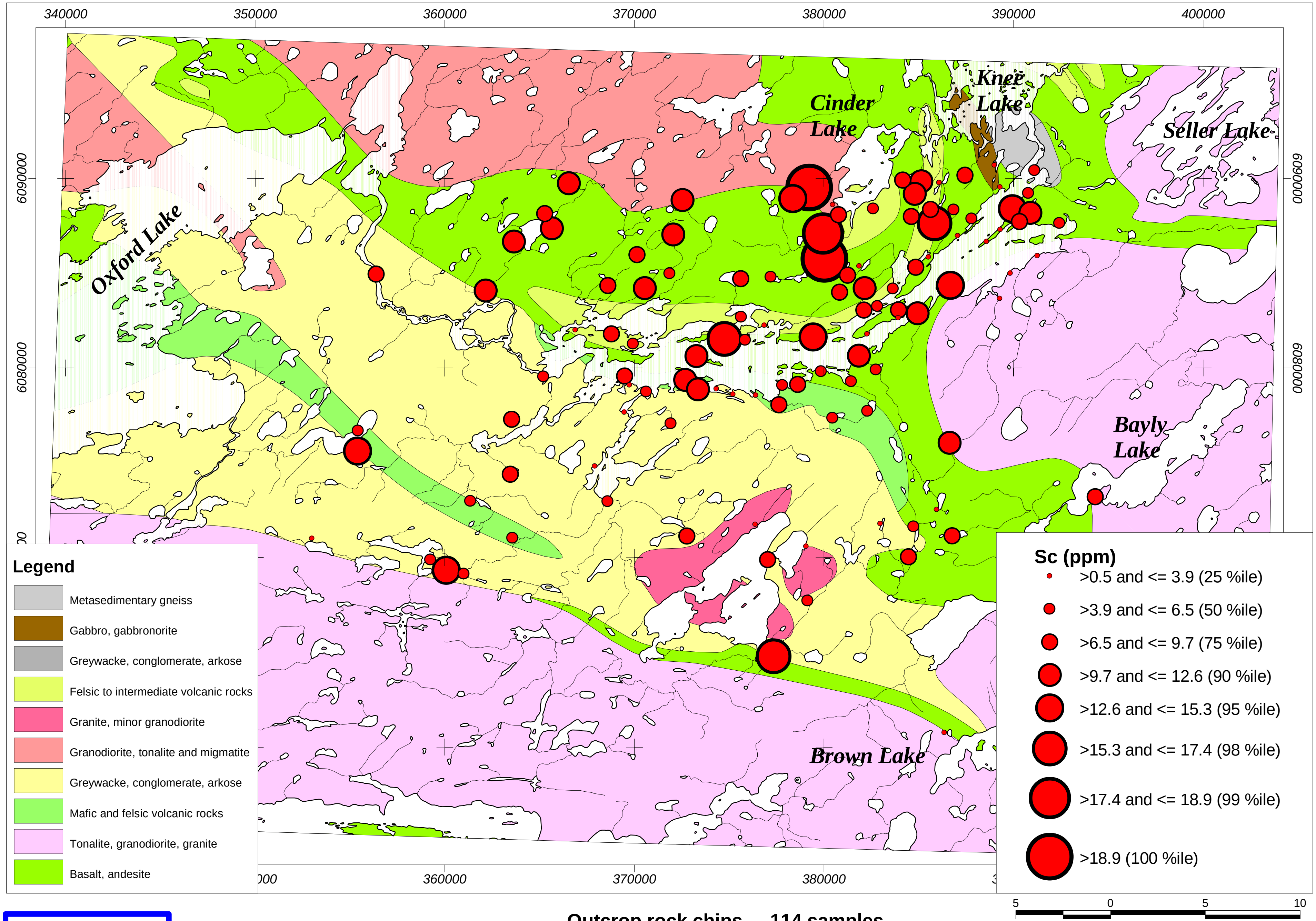
Appendix R-4-20




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

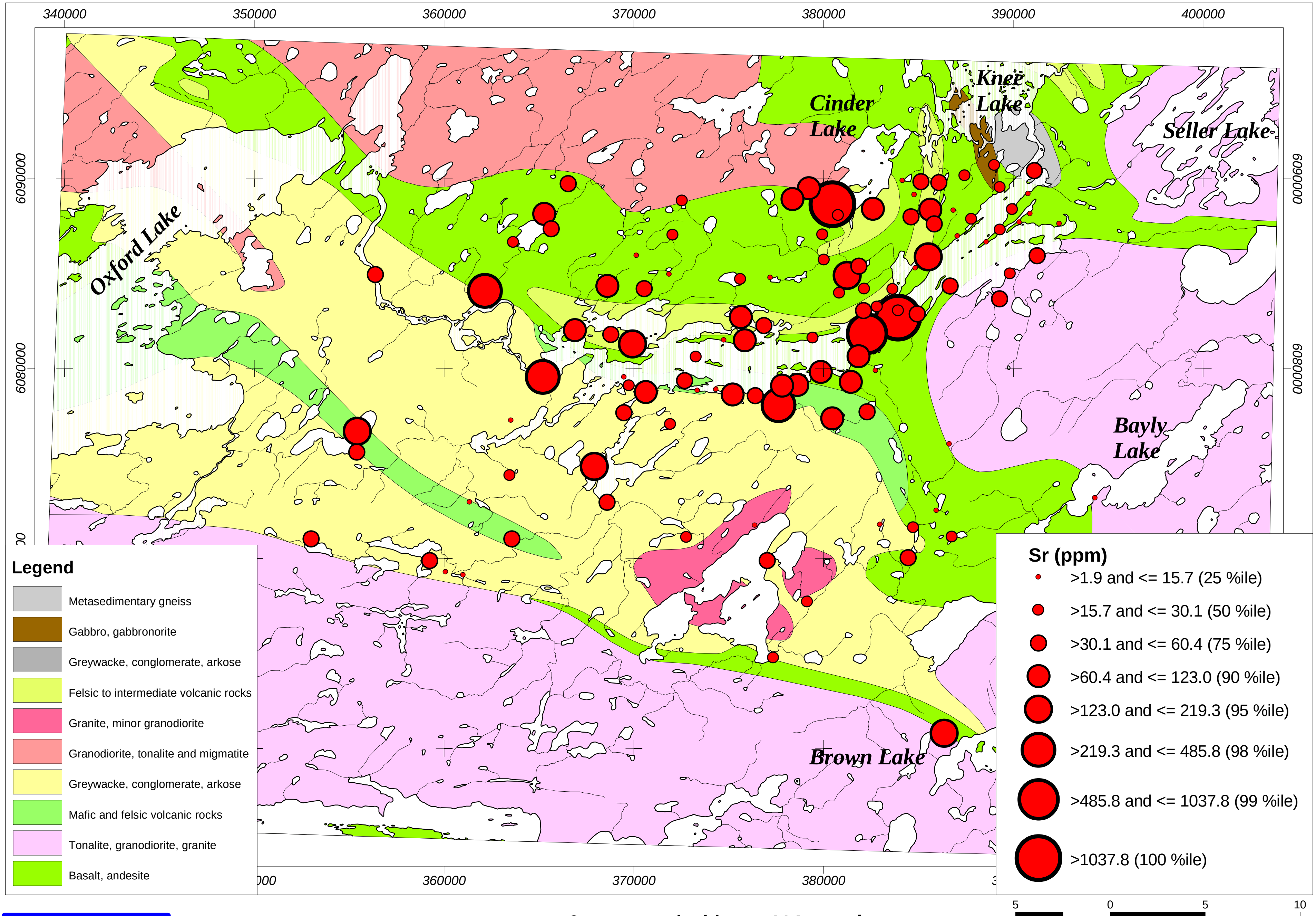
Appendix R-4-21




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

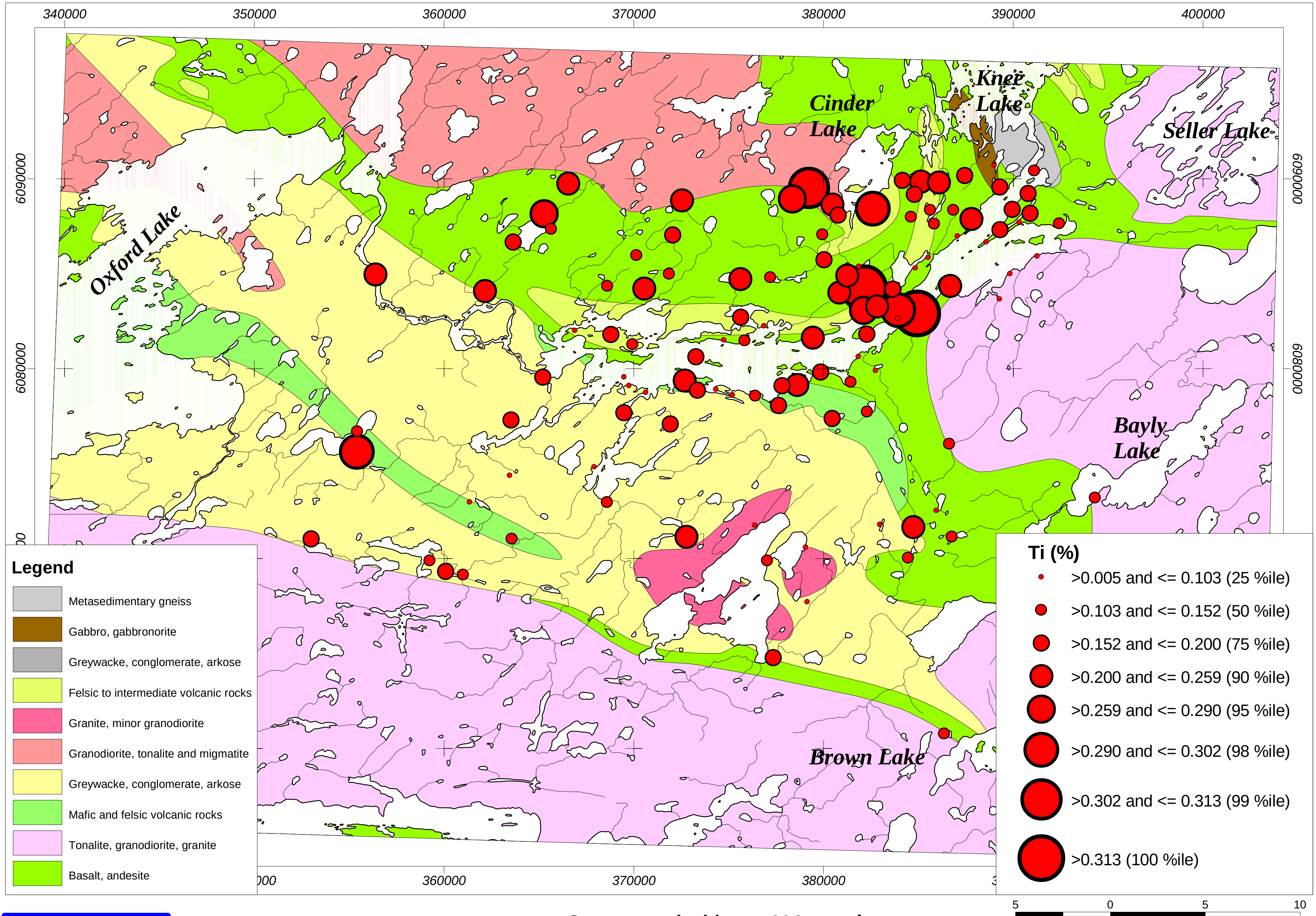
Appendix R-4-22




MENU

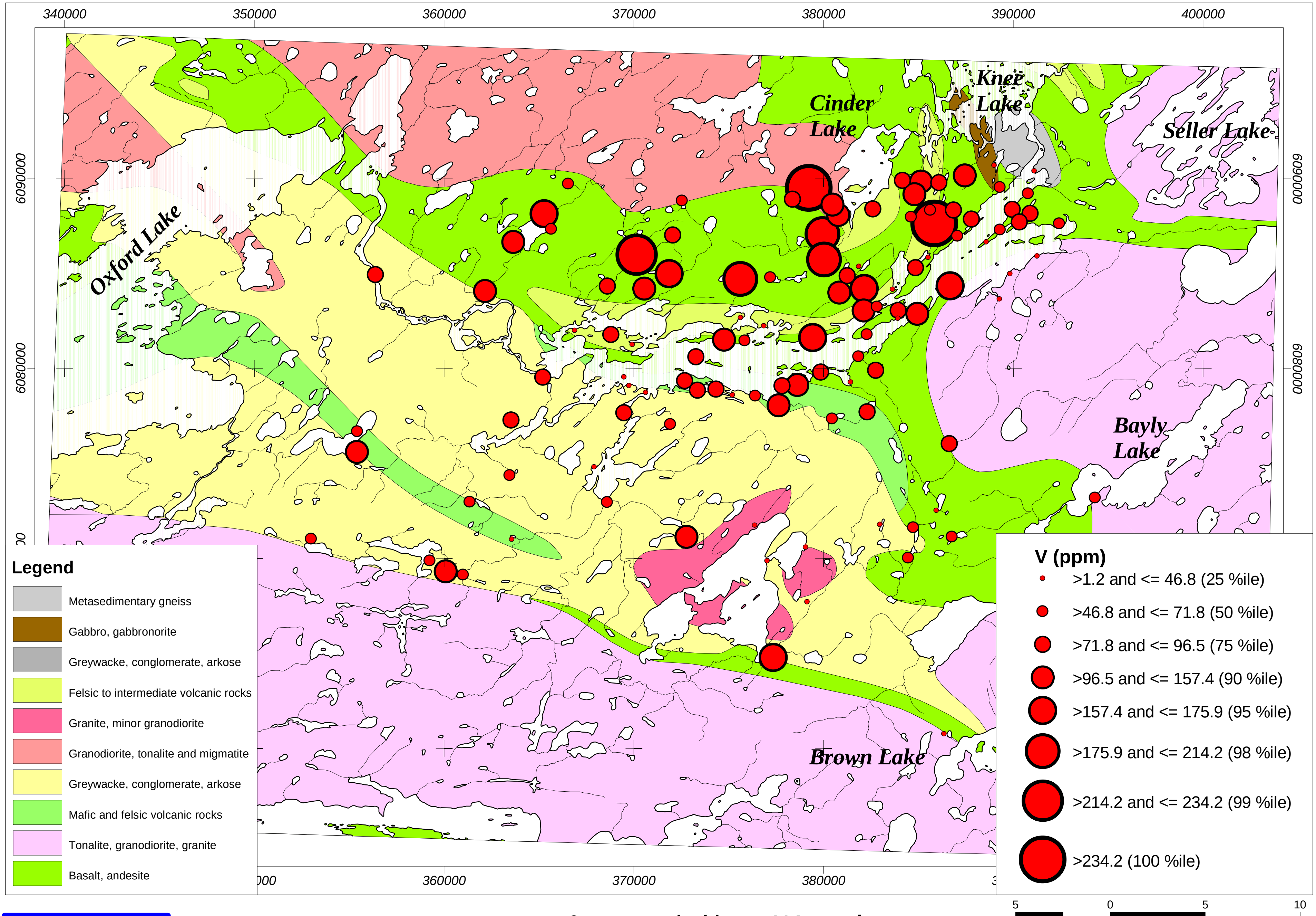
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

Appendix R-4-23




MENU

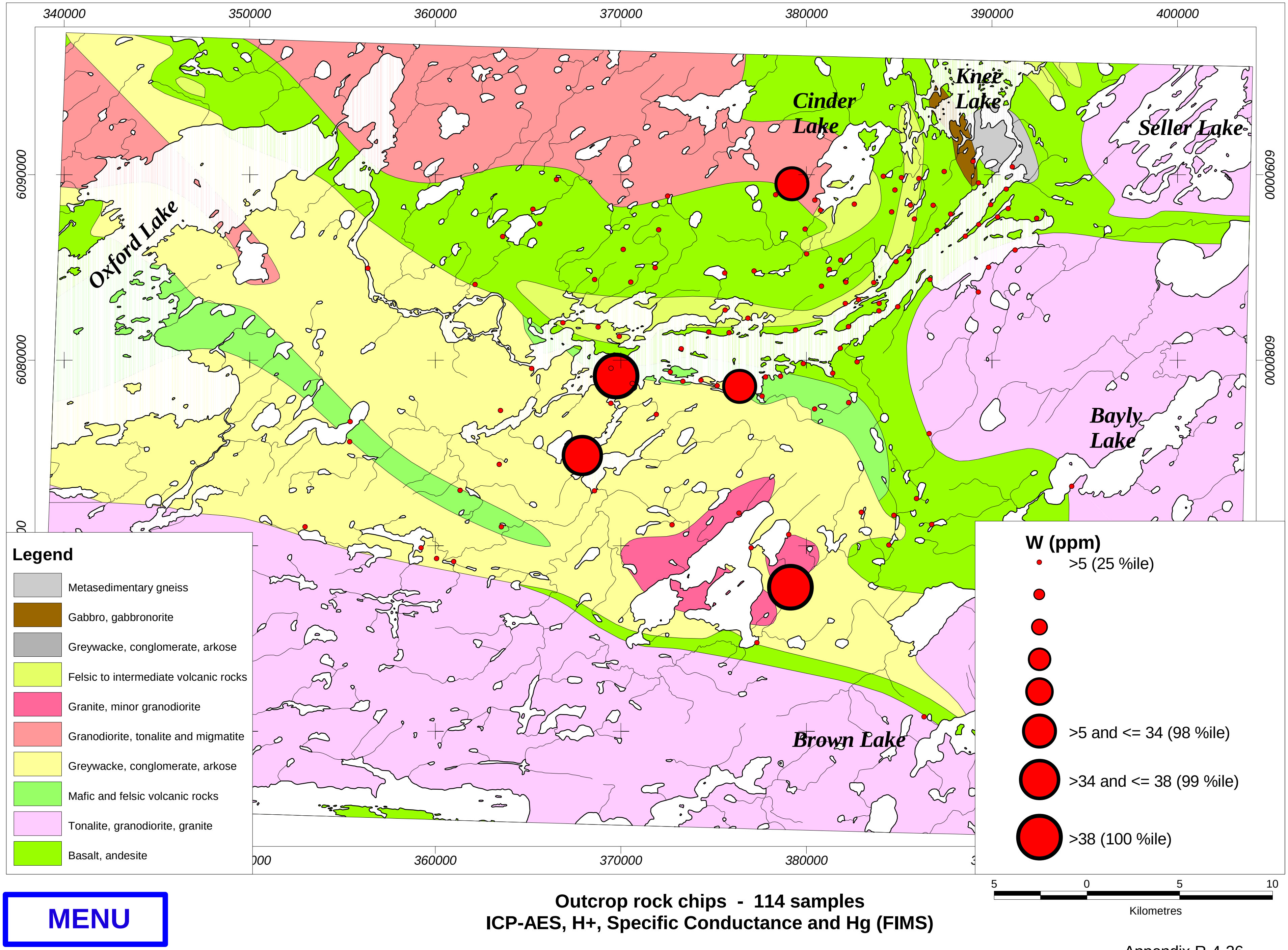
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

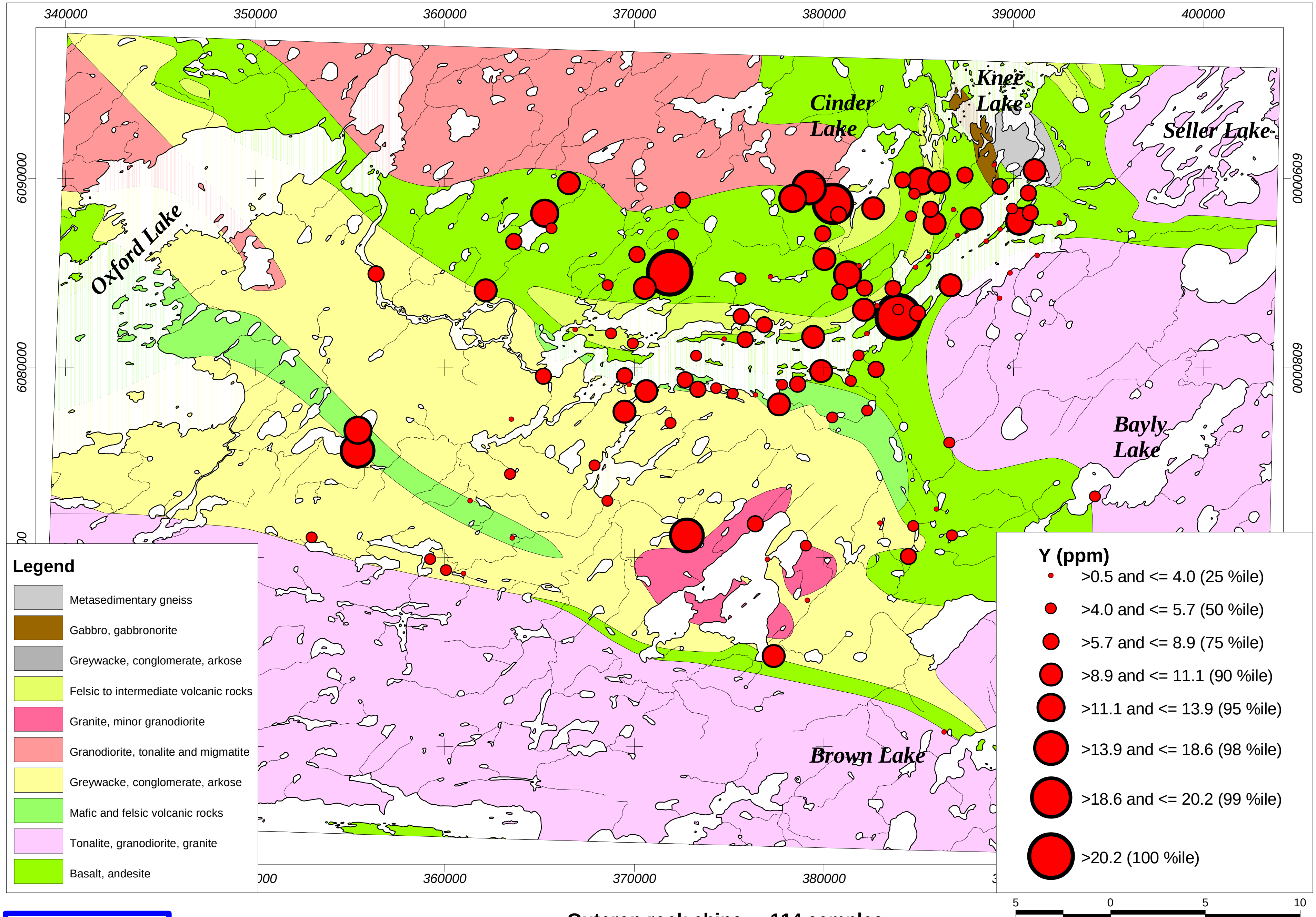
Appendix R-4-25




MENU

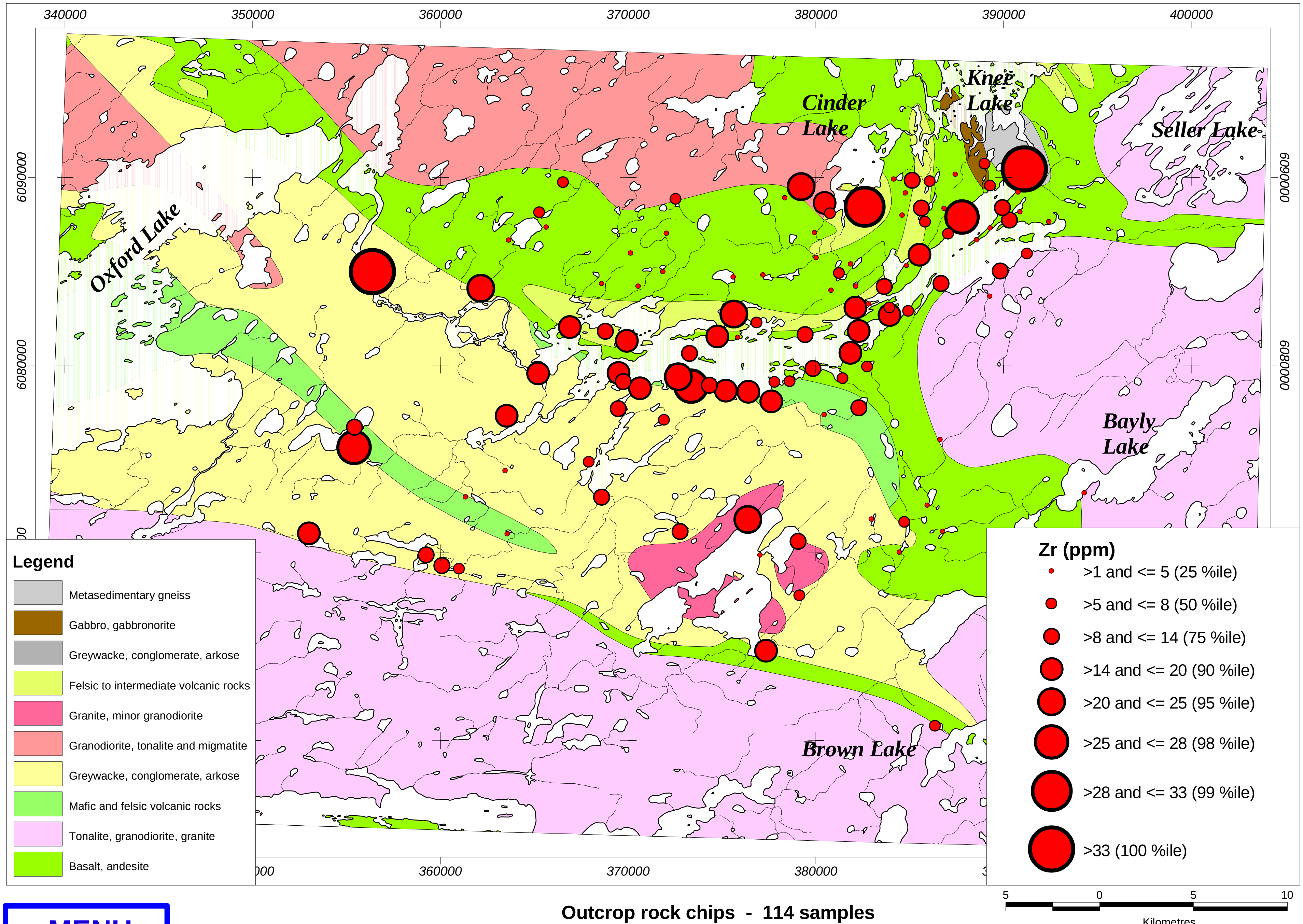
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

Appendix R-4-26




MENU

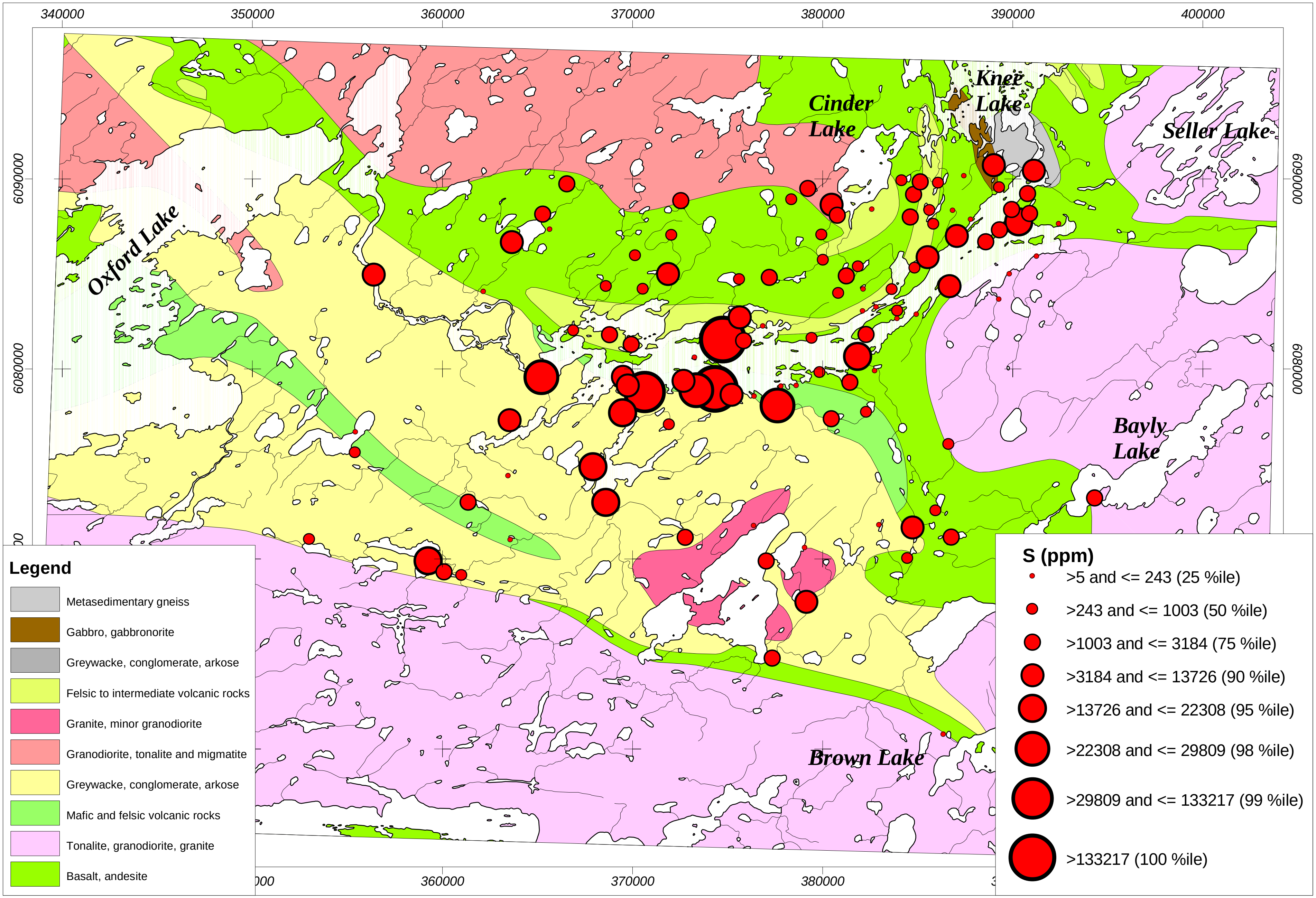
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**




**MENU**

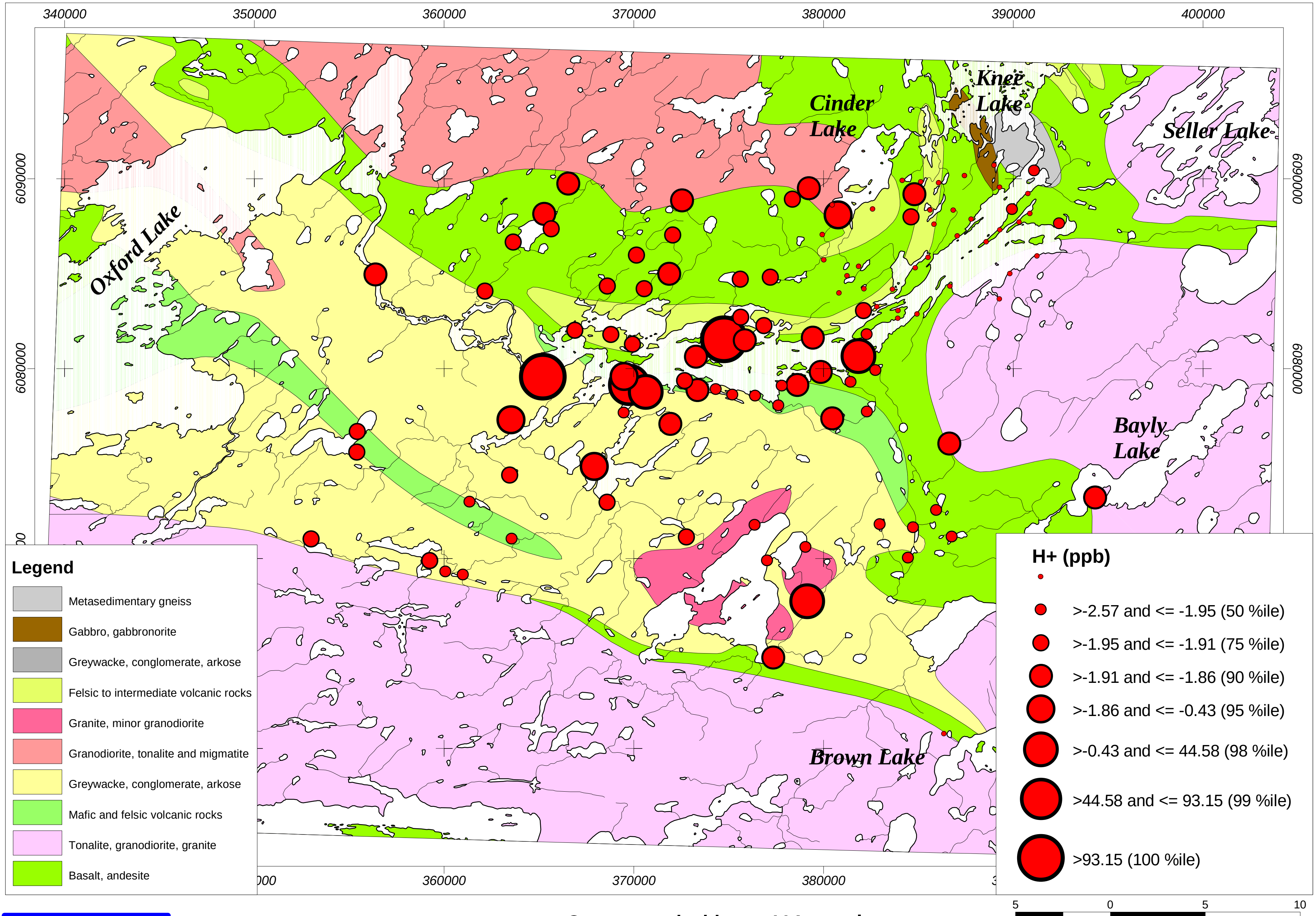
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

Appendix R-4-28




MENU

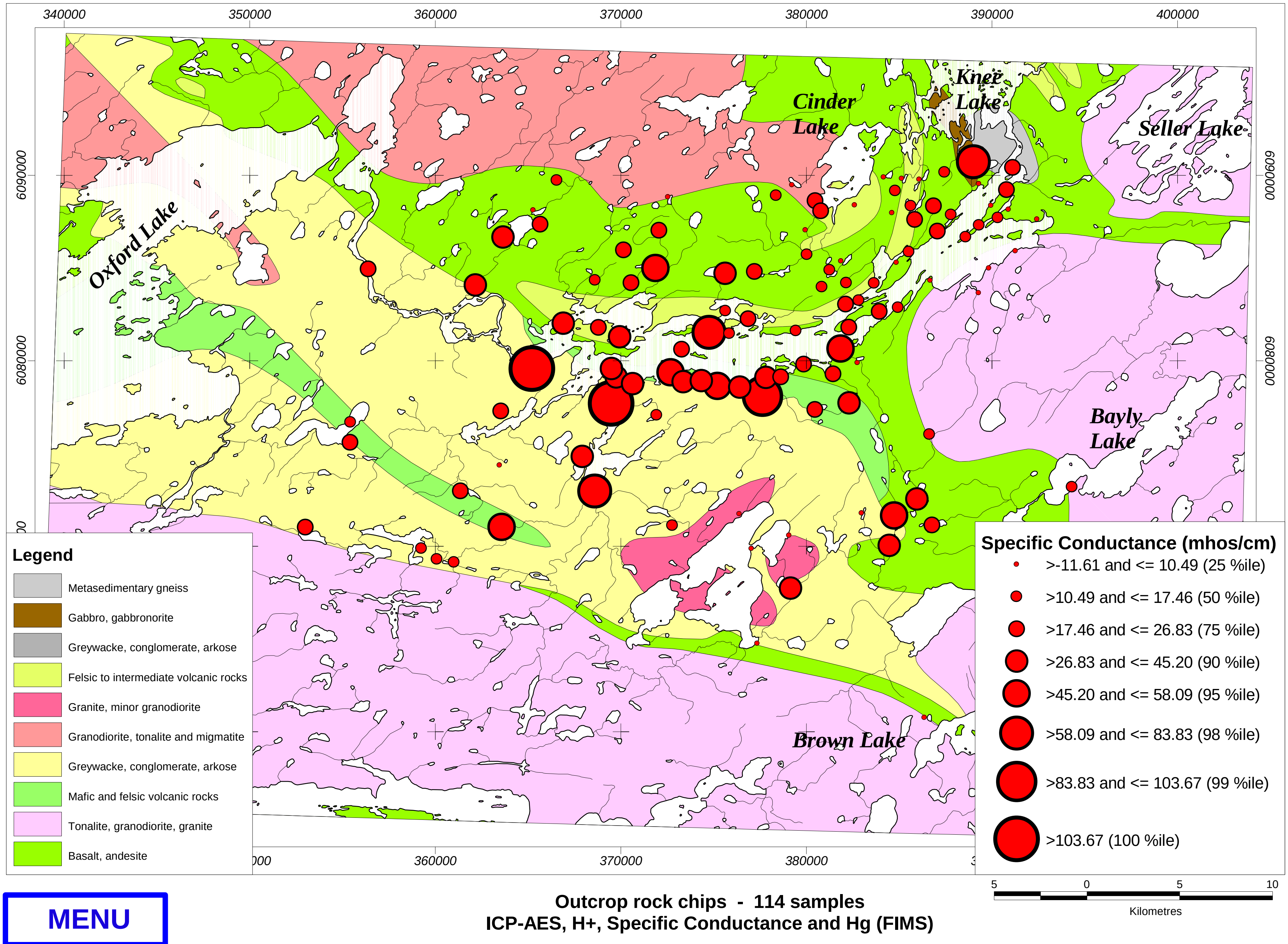
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**




MENU

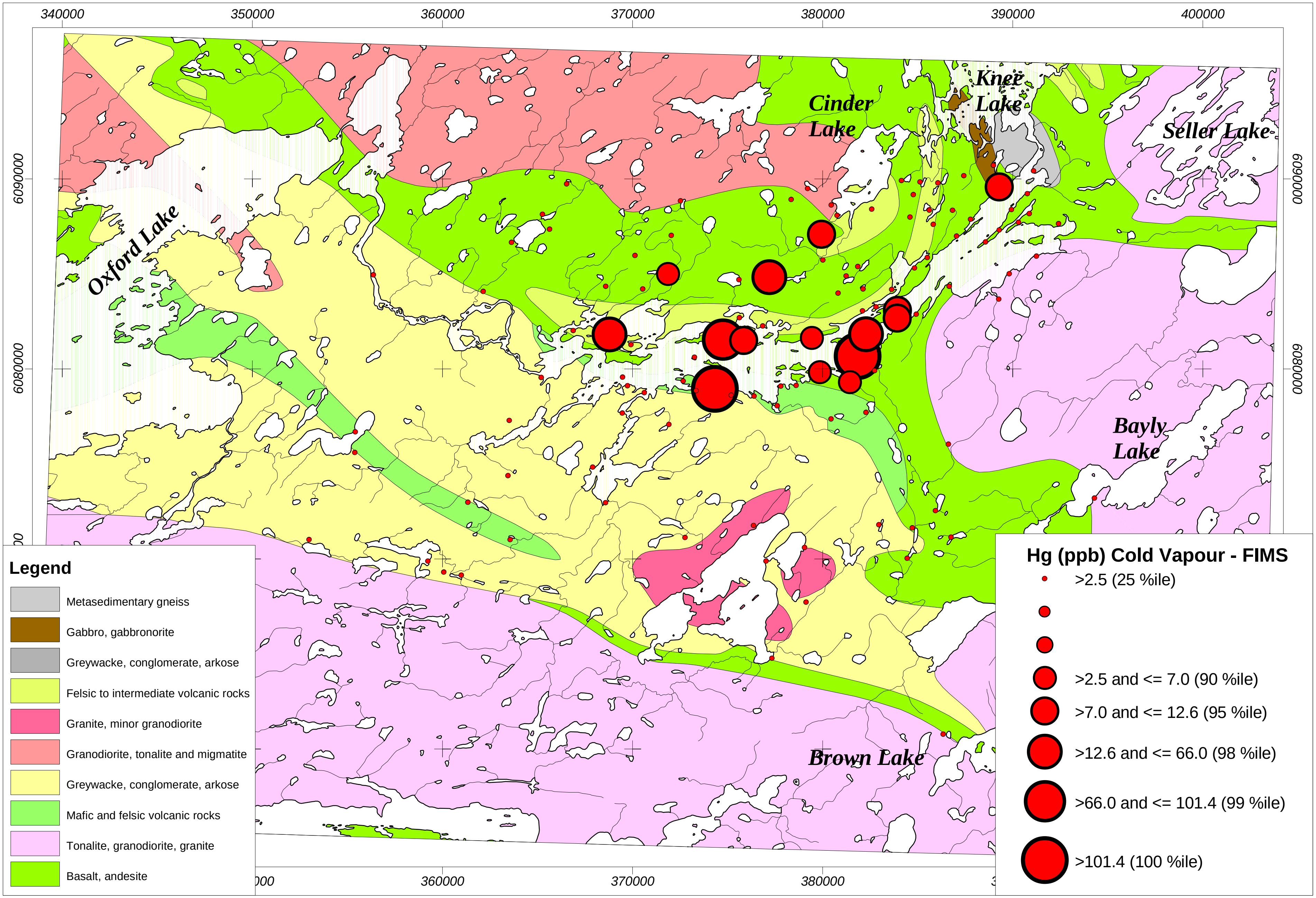
**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

Appendix R-4-30




**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

Appendix R-4-31




MENU

**Outcrop rock chips - 114 samples**
**ICP-AES, H+, Specific Conductance and Hg (FIMS)**

Appendix R-4-32

## Appendix R-5

# INA Analyses.

| Sample Site | UTM Easting | UTM Northing | Au ppb | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Cs ppm | Fe % | Hf ppm | Mo ppm | Na % | Ni ppm | Rb ppm | Sb ppm | Sc ppm | Sr % | Ta ppm | Th ppm | U ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-2 | 379928.11 | 6087059.58 | 1 | 1.3 | 80 | 10.5 | 6 | 58 | 360 | 1 | 7.1 | 1 | 1 | 2.2 | 145 | 8 | 0.1 | 45.1 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-5 | 386340.97 | 6060776.00 | 1 | 0.3 | 1300 | 0.3 | 1 | 6 | 3 | 1 | 1.7 | 3 | 1 | 6.3 | 21 | 8 | 0.1 | 3.3 | 0.03 | 0.3 | 4.7 | 0.3 |
| 99R-7 | 380012.55 | 6085720.22 | 4 | 3.0 | 120 | 0.3 | 6 | 81 | 317 | 1 | 4.6 | 2 | 1 | 2.8 | 110 | 8 | 0.1 | 37.7 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-8 | 381843.70 | 6085393.08 | 1 | 3.7 | 260 | 0.3 | 2 | 12 | 17 | 1 | 1.4 | 4 | 1 | 5.1 | 25 | 37 | 0.3 | 4.6 | 0.03 | 2.6 | 6.1 | 2.2 |
| 99R-9 | 381226.37 | 6084881.63 | 1 | 3.0 | 400 | 0.3 | 3 | 18 | 15 | 2 | 8.2 | 4 | 1 | 2.4 | 20 | 8 | 0.1 | 17.2 | 0.03 | 0.3 | 4.2 | 0.3 |
| 99R-10 | 380814.98 | 6083990.92 | 5 | 1.2 | 250 | 0.3 | 7 | 42 | 154 | 2 | 6.7 | 1 | 1 | 2.5 | 84 | 35 | 0.1 | 31.4 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-11 | 382124.73 | 6084199.82 | 1 | 2.8 | 60 | 0.3 | 6 | 47 | 173 | 1 | 8.0 | 1 | 1 | 1.8 | 98 | 8 | 0.1 | 34.0 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-12 | 384139.45 | 6089907.45 | 1 | 1.8 | 25 | 0.3 | 8 | 50 | 212 | 1 | 8.9 | 2 | 1 | 2.5 | 112 | 8 | 0.1 | 39.6 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-13 | 385120.09 | 6089836.36 | 1 | 1.8 | 180 | 0.3 | 7 | 52 | 92 | 6 | 10.2 | 2 | 9 | 1.9 | 89 | 8 | 0.1 | 41.7 | 0.03 | 0.3 | 0.5 | 0.3 |
| 99R-14 | 386060.67 | 6089790.62 | 1 | 1.9 | 300 | 1.6 | 6 | 78 | 159 | 1 | 9.8 | 2 | 1 | 1.7 | 354 | 8 | 0.2 | 34.4 | 0.03 | 0.3 | 0.4 | 0.3 |
| 99R-15 | 385609.68 | 6088356.80 | 1 | 2.4 | 250 | 1.6 | 4 | 18 | 66 | 1 | 9.9 | 3 | 2 | 1.7 | 106 | 8 | 0.1 | 11.7 | 0.03 | 0.3 | 5.2 | 1.4 |
| 99R-17 | 386831.55 | 6088342.61 | 1 | 2.6 | 25 | 1.8 | 7 | 46 | 345 | 1 | 6.6 | 1 | 1 | 2.6 | 175 | 8 | 0.8 | 36.5 | 0.03 | 0.3 | 0.8 | 0.3 |
| 99R-20 | 385498.35 | 6085864.44 | 59 | 657.0 | 820 | 0.3 | 1 | 1 | 3 | 2 | 0.9 | 2 | 1 | 4.1 | 21 | 8 | 0.3 | 1.8 | 0.03 | 0.3 | 3.5 | 1.6 |
| 99R-21 | 384823.47 | 6085301.09 | 1 | 21.9 | 25 | 0.3 | 2 | 132 | 2700 | 5 | 10.4 | 1 | 1 | 0.1 | 1120 | 8 | 1.8 | 17.2 | 0.03 | 0.3 | 0.6 | 0.3 |
| 99R-22 | 383626.62 | 6084172.60 | 1 | 3.5 | 80 | 0.3 | 6 | 42 | 213 | 2 | 6.5 | 2 | 1 | 2.0 | 108 | 8 | 1.0 | 37.3 | 0.03 | 0.3 | 2.0 | 0.3 |
| 99R-23 | 382797.60 | 6083251.65 | 1 | 3.6 | 260 | 0.3 | 10 | 39 | 278 | 1 | 4.9 | 1 | 1 | 1.3 | 134 | 40 | 0.2 | 27.0 | 0.03 | 0.3 | 0.6 | 0.3 |
| 99R-24 | 383922.80 | 6083064.31 | 1 | 0.3 | 25 | 0.3 | 4 | 53 | 582 | 1 | 5.7 | 1 | 1 | 3.1 | 175 | 56 | 0.8 | 41.0 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-26 | 389273.35 | 6089551.83 | 1 | 1.1 | 1800 | 0.3 | 7 | 53 | 291 | 1 | 7.3 | 2 | 1 | 1.1 | 152 | 51 | 0.1 | 33.1 | 0.03 | 0.3 | 0.7 | 0.3 |
| 99R-28 | 391096.14 | 6090415.34 | 7 | 0.3 | 1200 | 0.3 | 1 | 23 | 119 | 4 | 4.8 | 3 | 1 | 1.2 | 117 | 98 | 0.4 | 20.0 | 0.03 | 0.3 | 8.6 | 2.1 |
| 99R-29 | 390765.20 | 6089215.18 | 5 | 2.9 | 100 | 0.3 | 7 | 41 | 87 | 3 | 7.1 | 1 | 1 | 2.8 | 62 | 8 | 0.1 | 42.4 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-30 | 389922.08 | 6088381.30 | 1 | 1.5 | 210 | 0.3 | 6 | 44 | 2280 | 7 | 10.1 | 1 | 13 | 1.9 | 320 | 8 | 0.5 | 30.2 | 0.03 | 0.3 | 2.6 | 0.6 |
| 99R-31 | 387776.64 | 6087871.04 | 1 | 20.0 | 95 | 0.3 | 6 | 37 | 28 | 2 | 5.9 | 2 | 1 | 2.5 | 71 | 8 | 0.8 | 38.9 | 0.03 | 0.3 | 2.7 | 0.3 |
| 99R-32 | 389281.25 | 6087309.72 | 1 | 2.1 | 70 | 0.3 | 10 | 52 | 352 | 3 | 6.7 | 1 | 1 | 2.5 | 278 | 37 | 0.5 | 27.9 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-33 | 387035.08 | 6086978.20 | 1 | 39.9 | 25 | 0.3 | 8 | 42 | 197 | 1 | 7.9 | 2 | 3 | 1.9 | 53 | 8 | 0.6 | 38.8 | 0.03 | 0.3 | 2.7 | 0.3 |
| 99R-34 | 388567.46 | 6086677.37 | 1 | 0.3 | 25 | 0.3 | 9 | 40 | 311 | 1 | 8.1 | 1 | 6 | 1.4 | 200 | 8 | 0.5 | 26.9 | 0.03 | 0.3 | 0.3 | 0.3 |
| 99R-35 | 390865.79 | 6088176.15 | 1 | 1.7 | 120 | 0.3 | 7 | 49 | 133 | 4 | 11.2 | 2 | 1 | 2.0 | 65 | 23 | 0.1 | 43.0 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-36 | 390299.61 | 6087715.51 | 1 | 2.5 | 25 | 0.3 | 4 | 44 | 14 | 1 | 9.8 | 4 | 1 | 4.5 | 21 | 8 | 0.1 | 42.8 | 0.03 | 0.3 | 1.7 | 0.3 |
| 99R-38 | 392410.86 | 6087648.10 | 1 | 0.3 | 180 | 0.3 | 6 | 70 | 182 | 3 | 14.2 | 2 | 1 | 0.7 | 168 | 23 | 0.2 | 31.8 | 0.03 | 0.3 | 0.7 | 0.3 |
| 99R-42 | 391238.39 | 6085940.29 | 1 | 1.2 | 420 | 0.3 | 3 | 7 | 20 | 4 | 1.5 | 2 | 1 | 4.3 | 25 | 63 | 0.2 | 4.4 | 0.03 | 0.3 | 1.9 | 0.3 |
| 99R-43 | 389804.68 | 6084999.49 | 1 | 0.8 | 630 | 0.3 | 2 | 2 | 3 | 5 | 0.9 | 2 | 1 | 4.3 | 16 | 76 | 0.1 | 1.2 | 0.03 | 0.3 | 1.2 | 0.3 |
| 99R-44 | 389261.00 | 6083667.72 | 5 | 1.2 | 570 | 9.9 | 1 | 2 | 3 | 1 | 0.7 | 2 | 1 | 4.4 | 16 | 86 | 0.1 | 1.8 | 0.03 | 0.3 | 0.9 | 0.7 |
| 99R-45 | 386653.33 | 6084343.11 | 1 | 1.7 | 1300 | 0.3 | 5 | 58 | 42 | 1 | 13.0 | 2 | 1 | 3.4 | 29 | 8 | 0.2 | 51.6 | 0.03 | 0.3 | 8.3 | 0.3 |
| 99R-47 | 384919.22 | 6082875.51 | 2 | 2.7 | 25 | 0.3 | 9 | 45 | 176 | 1 | 9.6 | 2 | 1 | 0.3 | 79 | 8 | 0.1 | 45.4 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-48-1 Field Duplicate | 383904.64 | 6082648.05 | 4 | 3.6 | 540 | 0.3 | 2 | 4 | 22 | 3 | 1.4 | 2 | 1 | 4.2 | 17 | 33 | 1.3 | 3.1 | 0.03 | 0.3 | 1.3 | 0.3 |
| 99R-48-2 Field Duplicate | 383904.64 | 6082648.05 | 1 | 1.7 | 1100 | 0.3 | 4 | 5 | 3 | 4 | 3.0 | 12 | 1 | 2.3 | 12 | 393 | 0.4 | 1.4 | 0.14 | 0.3 | 14.8 | 4.1 |
| 99R-49 | 388981.01 | 6090705.90 | 1 | 159.0 | 82 | 0.3 | 4 | 9 | 64 | 4 | 14.7 | 1 | 1 | 0.4 | 10 | 19 | 0.2 | 7.1 | 0.03 | 0.3 | 1.4 | 0.3 |
| 99R-50 | 387427.39 | 6090166.15 | 1 | 4.4 | 25 | 0.3 | 7 | 47 | 378 | 1 | 6.1 | 1 | 1 | 1.7 | 146 | 8 | 0.9 | 38.0 | 0.03 | 0.3 | 0.8 | 0.8 |
| 99R-51 | 385816.88 | 6087616.81 | 1 | 2.7 | 70 | 0.3 | 8 | 47 | 60 | 1 | 7.2 | 2 | 1 | 1.7 | 50 | 8 | 0.1 | 39.8 | 0.03 | 0.3 | 0.8 | 0.3 |
| 99R-52 | 382575.20 | 6088407.01 | 1 | 1.4 | 460 | 0.3 | 4 | 20 | 31 | 8 | 4.6 | 3 | 1 | 4.3 | 25 | 82 | 0.1 | 16.0 | 0.03 | 0.3 | 2.2 | 1.7 |
| 99R-54 | 380446.70 | 6088630.40 | 4 | 2.4 | 3200 | 0.3 | 5 | 8 | 6 | 14 | 3.5 | 8 | 1 | 4.2 | 16 | 281 | 0.2 | 1.1 | 0.32 | 0.3 | 18.2 | 9.8 |
| 99R-55 | 384763.43 | 6089168.41 | 1 | 0.3 | 290 | 0.3 | 7 | 35 | 301 | 2 | 12.5 | 1 | 1 | 0.9 | 90 | 8 | 0.3 | 44.8 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-56 | 384593.57 | 6087985.36 | 1 | 1.0 | 25 | 12.6 | 9 | 51 | 314 | 1 | 9.3 | 1 | 1 | 1.3 | 106 | 8 | 0.2 | 44.2 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-57 | 380747.02 | 6088073.86 | 5 | 2.0 | 190 | 0.3 | 6 | 28 | 72 | 2 | 14.3 | 2 | 1 | 0.6 | 48 | 23 | 0.2 | 41.4 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-58 | 379201.36 | 6089481.35 | 1 | 2.1 | 460 | 0.3 | 2 | 32 | 85 | 12 | 8.1 | 4 | 1 | 4.1 | 51 | 80 | 0.1 | 50.1 | 0.03 | 0.3 | 3.2 | 0.3 |
| 99R-63 | 371851.38 | 6084985.15 | 1 | 2.3 | 70 | 0.3 | 5 | 60 | 361 | 2 | 9.3 | 2 | 1 | 3.5 | 274 | 8 | 0.3 | 70.1 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-70 | 377176.25 | 6084802.55 | 23 | 3.8 | 50 | 0.3 | 9 | 50 | 299 | 1 | 8.0 | 1 | 1 | 1.4 | 142 | 8 | 0.4 | 41.9 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-71 | 375594.28 | 6084702.04 | 1 | 0.3 | 110 | 0.3 | 7 | 50 | 290 | 2 | 7.6 | 1 | 1 | 3.1 | 143 | 8 | 0.3 | 40.4 | 0.03 | 0.3 | 0.1 | 1.1 |
| 99R-72 | 370123.86 | 6085972.41 | 1 | 2.6 | 120 | 0.3 | 4 | 47 | 95 | 1 | 10.5 | 2 | 1 | 1.9 | 73 | 8 | 0.4 | 50.4 | 0.03 | 0.3 | 1.5 | 0.3 |
| 99R-76 | 366875.73 | 6082011.38 | 34 | 8.3 | 200 | 3.2 | 2 | 8 | 54 | 1 | 1.8 | 1 | 1 | 0.1 | 10 | 8 | 0.6 | 4.1 | 0.03 | 0.3 | 1.6 | 0.9 |
| 99R-78 | 368777.48 | 6081793.37 | 8 | 30.0 | 160 | 0.3 | 8 | 47 | 445 | 8 | 8.0 | 2 | 5 | 1.1 | 110 | 21 | 5.2 | 46.5 | 0.03 | 0.3 | 1.3 | 0.3 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Mo | Na | Ni | Rb | Sb | Sc | Sr | Ta | Th | U |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| 99R-79 | 369918.79 | 6081283.90 | 1 | 2.8 | 840 | 0.3 | 2 | 9 | 68 | 3 | 1.9 | 2 | 3 | 3.7 | 15 | 75 | 0.4 | 8.0 | 0.08 | 0.3 | 3.4 | 1.5 |
| 99R-82 | 372516.50 | 6088851.06 | 1 | 1.5 | 110 | 0.3 | 12 | 41 | 199 | 1 | 8.3 | 1 | 1 | 0.7 | 102 | 20 | 0.2 | 41.5 | 0.03 | 0.3 | 0.4 | 1.0 |
| 99R-87 | 365628.38 | 6087349.81 | 1 | 0.3 | 25 | 0.3 | 9 | 54 | 338 | 1 | 8.7 | 1 | 1 | 1.3 | 156 | 8 | 0.1 | 42.7 | 0.03 | 0.3 | 0.5 | 0.3 |
| 99R-99 | 366531.44 | 6089734.77 | 21 | 4.5 | 480 | 0.3 | 10 | 43 | 207 | 2 | 7.3 | 1 | 6 | 0.4 | 97 | 36 | 0.5 | 45.8 | 0.03 | 0.3 | 0.5 | 0.3 |
| 99R-103 | 363623.14 | 6086658.21 | 1 | 2.8 | 300 | 0.3 | 8 | 48 | 320 | 4 | 8.4 | 1 | 1 | 1.2 | 102 | 32 | 0.2 | 46.2 | 0.03 | 0.3 | 0.5 | 0.3 |
| 99R-104 | 365252.32 | 6088140.42 | 1 | 0.3 | 25 | 0.3 | 4 | 40 | 198 | 1 | 9.8 | 3 | 1 | 2.1 | 61 | 8 | 0.1 | 40.8 | 0.03 | 0.6 | 0.6 | 0.3 |
| 99R-109 | 368585.13 | 6084340.09 | 1 | 1.1 | 25 | 0.3 | 10 | 51 | 318 | 2 | 8.9 | 1 | 1 | 1.0 | 107 | 8 | 0.1 | 45.4 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-114 | 375612.85 | 6082701.79 | 1 | 4.7 | 400 | 0.3 | 3 | 13 | 65 | 1 | 3.9 | 3 | 1 | 2.7 | 50 | 23 | 0.6 | 11.4 | 0.03 | 0.3 | 4.2 | 1.3 |
| 99R-116 | 376836.61 | 6082259.30 | 3 | 2.8 | 430 | 0.3 | 3 | 6 | 41 | 1 | 1.0 | 4 | 1 | 2.7 | 13 | 46 | 0.2 | 5.7 | 0.03 | 0.9 | 6.6 | 1.5 |
| 99R-119 | 382085.70 | 6083046.21 | 5 | 15.2 | 25 | 0.3 | 6 | 41 | 285 | 1 | 5.4 | 3 | 1 | 2.4 | 80 | 8 | 2.4 | 35.6 | 0.03 | 0.3 | 2.7 | 0.3 |
| 99R-128 | 369477.36 | 6079563.69 | 104 | 8970.0 | 130 | 0.3 | 1 | 12 | 100 | 131 | 5.6 | 1 | 1 | 0.3 | 170 | 29 | 4.8 | 8.9 | 0.03 | 0.3 | 1.1 | 4.6 |
| 99R-131 | 356359.18 | 6084946.56 | 1 | 28.0 | 550 | 2.4 | 2 | 17 | 128 | 7 | 6.3 | 3 | 1 | 1.0 | 64 | 165 | 0.3 | 14.5 | 0.03 | 0.3 | 7.4 | 2.0 |
| 99R-141 | 362142.99 | 6084076.48 | 1 | 16.2 | 1100 | 0.3 | 5 | 26 | 186 | 6 | 4.9 | 3 | 1 | 2.5 | 83 | 88 | 2.5 | 21.4 | 0.09 | 0.3 | 8.7 | 1.5 |
| 99R-149 | 370525.75 | 6084197.53 | 1 | 6.2 | 25 | 0.3 | 8 | 53 | 254 | 1 | 9.9 | 2 | 1 | 1.3 | 103 | 8 | 0.1 | 45.4 | 0.03 | 0.3 | 0.5 | 0.9 |
| 99R-150 | 378340.48 | 6088920.71 | 1 | 4.5 | 65 | 0.3 | 8 | 45 | 294 | 1 | 7.7 | 1 | 1 | 1.3 | 110 | 8 | 0.1 | 41.4 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-157 | 372027.71 | 6087027.04 | 4 | 5.8 | 55 | 2.4 | 7 | 51 | 316 | 1 | 8.5 | 2 | 1 | 1.3 | 166 | 8 | 0.2 | 41.3 | 0.03 | 0.3 | 0.7 | 0.3 |
| 99R-202-1 Field Duplicate | 370612.18 | 6078749.88 | 1 | 6.7 | 180 | 2.2 | 5 | 17 | 66 | 2 | 13.1 | 2 | 1 | 0.7 | 40 | 8 | 0.1 | 9.1 | 0.06 | 0.3 | 4.4 | 0.3 |
| 99R-202-2 Field Duplicate | 370612.18 | 6078749.88 | 1 | 1.0 | 300 | 2.8 | 1 | 5 | 20 | 1 | 1.3 | 1 | 1 | 0.5 | 25 | 8 | 0.1 | 4.7 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-203 | 369733.49 | 6079116.31 | 156 | 82.7 | 25 | 1.6 | 2 | 6 | 44 | 7 | 10.7 | 1 | 1 | 0.4 | 13 | 8 | 0.1 | 4.7 | 0.03 | 0.3 | 3.0 | 0.8 |
| 99R-213-1 Field Duplicate | 365183.13 | 6079542.10 | 1 | 37.2 | 690 | 6.4 | 2 | 17 | 222 | 3 | 3.8 | 4 | 5 | 2.5 | 103 | 32 | 0.3 | 15.9 | 0.07 | 0.3 | 6.9 | 0.9 |
| 99R-213-2 Field Duplicate | 365183.13 | 6079542.10 | 1 | 3.4 | 790 | 0.3 | 3 | 13 | 54 | 11 | 3.8 | 3 | 1 | 2.4 | 17 | 55 | 0.3 | 10.6 | 0.08 | 0.3 | 6.7 | 1.6 |
| 99R-213-3 Field Duplicate | 365183.13 | 6079542.10 | 1 | 9.2 | 1900 | 0.3 | 5 | 29 | 703 | 11 | 7.3 | 5 | 1 | 2.7 | 56 | 120 | 0.1 | 46.6 | 0.08 | 0.6 | 6.8 | 1.3 |
| 99R-213-4 Field Duplicate | 365183.13 | 6079542.10 | 1 | 8.2 | 690 | 0.3 | 3 | 23 | 122 | 11 | 5.7 | 4 | 1 | 2.0 | 45 | 67 | 0.5 | 13.6 | 0.06 | 0.7 | 5.8 | 0.9 |
| 99R-213-5 Field Duplicate | 365183.13 | 6079542.10 | 1 | 273.0 | 25 | 1.7 | 4 | 9 | 54 | 7 | 13.9 | 1 | 2 | 0.3 | 14 | 8 | 1.2 | 5.8 | 0.03 | 0.3 | 3.0 | 0.3 |
| 99R-213-6 Field Duplicate | 365183.13 | 6079542.10 | 18 | 16.2 | 130 | 0.3 | 3 | 8 | 76 | 1 | 14.3 | 2 | 1 | 0.2 | 15 | 8 | 0.1 | 10.1 | 0.05 | 0.3 | 6.4 | 1.6 |
| 99R-213-7 Field Duplicate | 365183.13 | 6079542.10 | 1 | 1.6 | 1300 | 2.6 | 1 | 26 | 107 | 5 | 4.5 | 4 | 1 | 4.0 | 21 | 135 | 0.6 | 10.9 | 0.10 | 0.3 | 4.8 | 1.8 |
| 99R-218 | 363444.79 | 6074383.10 | 1 | 34.1 | 130 | 8.4 | 8 | 57 | 318 | 1 | 10.1 | 2 | 1 | 2.1 | 173 | 8 | 0.2 | 53.5 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-227 | 355381.59 | 6075600.60 | 1 | 1.8 | 670 | 0.3 | 3 | 24 | 44 | 4 | 6.6 | 4 | 1 | 3.0 | 19 | 106 | 0.5 | 22.0 | 0.08 | 0.3 | 7.9 | 1.7 |
| 99R-230 | 355405.44 | 6076684.24 | 4 | 2.3 | 530 | 3.3 | 5 | 30 | 61 | 3 | 6.2 | 4 | 2 | 2.7 | 63 | 52 | 10.4 | 17.1 | 0.09 | 0.3 | 9.3 | 2.1 |
| 99R-235 | 352971.33 | 6071021.91 | 1 | 4.2 | 290 | 4.4 | 6 | 44 | 3 | 2 | 10.0 | 4 | 1 | 3.0 | 18 | 28 | 0.1 | 16.8 | 0.08 | 0.3 | 7.4 | 2.0 |
| 99R-241 | 372758.61 | 6071129.61 | 1 | 1.5 | 690 | 0.3 | 2 | 14 | 158 | 62 | 3.9 | 4 | 3 | 2.9 | 100 | 396 | 0.9 | 13.7 | 0.07 | 1.1 | 8.6 | 3.8 |
| 99R-251 | 369454.61 | 6077674.80 | 1 | 2.2 | 470 | 0.3 | 4 | 35 | 120 | 10 | 9.0 | 2 | 1 | 1.7 | 96 | 69 | 0.3 | 16.8 | 0.06 | 0.3 | 6.4 | 1.9 |
| 99R-258 | 368572.08 | 6072950.08 | 13 | 175.0 | 260 | 2.6 | 3 | 14 | 92 | 10 | 10.0 | 2 | 4 | 1.1 | 75 | 81 | 0.2 | 11.7 | 0.03 | 0.3 | 8.4 | 1.9 |
| 99R-259 | 367901.42 | 6074827.37 | 1 | 1.7 | 470 | 0.3 | 3 | 15 | 59 | 81 | 9.3 | 3 | 16 | 0.6 | 13 | 130 | 3.1 | 7.0 | 0.03 | 30.7 | 5.8 | 3.7 |
| 99R-260 | 359223.52 | 6069883.78 | 1 | 1.4 | 310 | 24.6 | 3 | 24 | 233 | 4 | 5.8 | 4 | 1 | 2.0 | 65 | 72 | 0.1 | 24.5 | 0.05 | 0.8 | 13.4 | 3.8 |
| 99R-261 | 360063.93 | 6069315.74 | 1 | 1.9 | 310 | 20.5 | 5 | 38 | 61 | 4 | 8.9 | 3 | 1 | 2.5 | 21 | 73 | 0.1 | 39.6 | 0.03 | 0.3 | 3.8 | 1.5 |
| 99R-264 | 360989.77 | 6069149.40 | 1 | 1.3 | 270 | 9.7 | 6 | 43 | 258 | 2 | 7.0 | 2 | 1 | 2.1 | 70 | 29 | 0.4 | 42.0 | 0.03 | 0.3 | 2.4 | 0.3 |
| 99R-265 | 361329.67 | 6072980.83 | 1 | 0.3 | 530 | 0.3 | 7 | 37 | 128 | 4 | 6.1 | 2 | 1 | 2.5 | 67 | 29 | 1.6 | 31.5 | 0.08 | 0.3 | 3.8 | 0.3 |
| 99R-266 | 363559.03 | 6071022.97 | 1 | 0.3 | 220 | 21.4 | 9 | 53 | 301 | 1 | 7.9 | 1 | 1 | 2.4 | 80 | 8 | 0.4 | 54.4 | 0.03 | 0.3 | 2.0 | 0.3 |
| 99R-267 | 377020.28 | 6069882.33 | 1 | 1.0 | 100 | 0.3 | 2 | 1 | 3 | 2 | 0.7 | 1 | 5 | 4.6 | 16 | 85 | 0.1 | 2.1 | 0.03 | 2.0 | 2.4 | 0.3 |
| 99R-268 | 379044.14 | 6070599.95 | 3 | 1.5 | 120 | 2.0 | 1 | 1 | 3 | 5 | 0.4 | 3 | 1 | 2.5 | 11 | 320 | 0.1 | 0.9 | 0.03 | 3.0 | 5.7 | 9.9 |
| 99R-269 | 376364.81 | 6071760.41 | 1 | 1.7 | 25 | 0.3 | 2 | 2 | 3 | 4 | 0.8 | 2 | 1 | 2.7 | 15 | 195 | 0.1 | 2.2 | 0.03 | 0.3 | 28.6 | 17.4 |
| 99R-274 | 382955.22 | 6071800.72 | 1 | 17.1 | 25 | 4.1 | 1 | 2 | 3 | 1 | 0.6 | 1 | 1 | 0.1 | 10 | 8 | 0.7 | 0.4 | 0.03 | 0.3 | 0.8 | 0.3 |
| 99R-281-1 Field Duplicate | 379124.40 | 6067728.11 | 1 | 25.3 | 25 | 0.3 | 8 | 17 | 185 | 1 | 19.7 | 1 | 1 | 0.8 | 42 | 35 | 0.1 | 29.2 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-281-2 Field Duplicate | 379124.40 | 6067728.11 | 277 | 1440.0 | 25 | 0.3 | 7 | 28 | 190 | 1 | 19.6 | 1 | 1 | 0.9 | 81 | 8 | 0.1 | 27.5 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-281-3 Field Duplicate | 379124.40 | 6067728.11 | 13 | 557.0 | 120 | 0.3 | 7 | 44 | 247 | 1 | 12.8 | 2 | 1 | 1.7 | 138 | 8 | 0.1 | 40.7 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-282 | 382727.20 | 6079909.30 | 1 | 0.3 | 160 | 0.3 | 3 | 44 | 44 | 1 | 12.9 | 3 | 1 | 2.6 | 19 | 8 | 0.1 | 43.7 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-283 | 382282.71 | 6077714.41 | 1 | 0.6 | 710 | 0.3 | 4 | 24 | 156 | 2 | 5.1 | 3 | 1 | 3.2 | 63 | 69 | 1.9 | 17.7 | 0.03 | 0.3 | 4.6 | 1.8 |
| 99R-287 | 385938.09 | 6072538.35 | 1 | 0.3 | 25 | 0.3 | 9 | 45 | 170 | 1 | 9.4 | 2 | 1 | 1.5 | 90 | 8 | 0.2 | 42.9 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-288 | 384706.93 | 6071638.97 | 4 | 97.6 | 410 | 1.0 | 4 | 32 | 122 | 3 | 12.7 | 2 | 1 | 1.0 | 74 | 52 | 0.1 | 24.8 | 0.03 | 0.3 | 1.6 | 0.3 |
| 99R-289 | 384447.42 | 6070035.32 | 1 | 3.3 | 25 | 0.3 | 8 | 52 | 188 | 1 | 7.7 | 2 | 1 | 1.9 | 93 | 8 | 0.1 | 50.9 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-291 | 386749.94 | 6071142.51 | 3 | 0.3 | 25 | 0.3 | 8 | 50 | 200 | 1 | 10.3 | 2 | 1 | 1.7 | 115 | 8 | 0.2 | 44.3 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1 | 7.0 | 1200 | 3.0 | 2 | 18 | 117 | 3 | 6.4 | 3 | 3 | 1.8 | 76 | 93 | 0.3 | 13.7 | 0.03 | 0.3 | 5.8 | 1.7 |
| 99R-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1 | 3.0 | 720 | 0.3 | 5 | 64 | 1030 | 8 | 7.5 | 2 | 1 | 0.5 | 776 | 125 | 0.1 | 26.5 | 0.03 | 0.3 | 2.2 | 0.8 |
| 99R-293 | 373332.21 | 6078856.12 | 6 | 106.0 | 910 | 2.1 | 1 | 16 | 80 | 7 | 8.7 | 3 | 2 | 1.4 | 65 | 207 | 0.2 | 12.4 | 0.03 | 0.3 | 7.1 | 1.9 |
| 99R-294-1 Field Duplicate | 374312.89 | 6078921.40 | 1 | 4.5 | 150 | 0.3 | 5 | 40 | 60 | 1 | 8.2 | 3 | 1 | 1.3 | 58 | 8 | 0.3 | 35.6 | 0.03 | 0.3 | 2.3 | 1.1 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Mo | Na | Ni | Rb | Sb | Sc | Sr | Ta | Th | U |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| 99R-294-2 Field Duplicate | 374312.89 | 6078921.40 | 10 | 188.0 | 25 | 0.3 | 1 | 22 | 7 | 1 | 30.0 | 1 | 1 | 0.0 | 10 | 8 | 11.2 | 0.7 | 0.03 | 0.3 | 0.2 | 0.3 |
| 99R-295-1 Field Duplicate | 375182.62 | 6078624.03 | 1 | 2.3 | 240 | 5.7 | 2 | 7 | 38 | 56 | 25.1 | 1 | 3 | 0.1 | 11 | 93 | 1.0 | 5.2 | 0.03 | 0.3 | 0.9 | 0.3 |
| 99R-295-2 Field Duplicate | 375182.62 | 6078624.03 | 1 | 1290.0 | 110 | 23.9 | 1 | 5 | 3 | 125 | 1.2 | 2 | 1 | 5.4 | 25 | 8 | 0.2 | 6.5 | 0.03 | 62.7 | 3.0 | 5.0 |
| 99R-296 | 376386.81 | 6078570.83 | 1 | 2.7 | 1000 | 2.0 | 3 | 20 | 109 | 3 | 3.8 | 3 | 1 | 3.3 | 70 | 72 | 0.9 | 12.9 | 0.11 | 0.3 | 5.4 | 1.3 |
| 99R-297-1 Field Duplicate | 377606.00 | 6078057.09 | 1 | 2.0 | 1000 | 0.3 | 6 | 50 | 625 | 1 | 7.1 | 2 | 1 | 3.1 | 163 | 8 | 0.1 | 50.0 | 0.03 | 0.3 | 10.7 | 2.5 |
| 99R-297-2 Field Duplicate | 377606.00 | 6078057.09 | 1 | 2.5 | 280 | 0.3 | 7 | 72 | 1230 | 3 | 8.0 | 2 | 1 | 0.2 | 919 | 50 | 0.4 | 27.0 | 0.03 | 0.3 | 1.9 | 0.8 |
| 99R-297-3 Field Duplicate | 377606.00 | 6078057.09 | 1 | 0.3 | 500 | 0.3 | 2 | 37 | 180 | 1 | 6.3 | 3 | 1 | 5.3 | 71 | 8 | 0.1 | 25.1 | 0.03 | 0.3 | 16.0 | 2.2 |
| 99R-297-4 Field Duplicate | 377606.00 | 6078057.09 | 1 | 0.3 | 200 | 0.3 | 5 | 48 | 784 | 1 | 6.3 | 2 | 1 | 3.9 | 327 | 8 | 0.7 | 28.9 | 0.03 | 0.3 | 1.8 | 0.3 |
| 99R-298 | 377794.68 | 6079094.31 | 1 | 3.0 | 1000 | 0.3 | 5 | 29 | 225 | 3 | 5.7 | 3 | 1 | 3.1 | 61 | 38 | 0.3 | 20.1 | 0.15 | 0.3 | 7.0 | 2.0 |
| 99R-300 | 383601.49 | 6081754.27 | 1 | 4.0 | 160 | 0.3 | 7 | 46 | 260 | 1 | 8.7 | 2 | 1 | 1.8 | 62 | 8 | 0.5 | 42.2 | 0.03 | 0.3 | 1.9 | 0.3 |
| 99R-301-1 Field Duplicate | 382264.75 | 6081807.41 | 1 | 3.6 | 460 | 0.3 | 1 | 4 | 36 | 1 | 20.8 | 1 | 3 | 0.0 | 10 | 43 | 2.7 | 4.0 | 0.03 | 0.3 | 0.6 | 0.3 |
| 99R-301-2 Field Duplicate | 382264.75 | 6081807.41 | 1 | 9.2 | 890 | 0.3 | 1 | 4 | 22 | 4 | 1.7 | 3 | 1 | 3.4 | 13 | 60 | 2.2 | 3.3 | 0.03 | 0.3 | 1.5 | 0.9 |
| 99R-302-1 Field Duplicate | 381825.16 | 6080640.92 | 12 | 116.0 | 190 | 0.3 | 13 | 117 | 1030 | 4 | 18.4 | 1 | 1 | 0.5 | 1640 | 23 | 0.9 | 15.1 | 0.03 | 0.3 | 0.7 | 0.3 |
| 99R-302-2 Field Duplicate | 381825.16 | 6080640.92 | 1150 | 19.0 | 550 | 1.3 | 1 | 29 | 45 | 1 | 9.5 | 2 | 5 | 0.1 | 250 | 36 | 0.8 | 4.6 | 0.03 | 0.3 | 4.2 | 0.6 |
| 99R-303 | 381419.93 | 6079292.48 | 1 | 1.3 | 230 | 0.3 | 8 | 60 | 684 | 2 | 8.2 | 2 | 1 | 2.8 | 442 | 31 | 0.1 | 38.2 | 0.03 | 0.3 | 1.4 | 0.3 |
| 99R-304 | 379828.87 | 6079816.74 | 1 | 12.6 | 620 | 0.3 | 9 | 53 | 702 | 1 | 8.1 | 2 | 1 | 1.0 | 405 | 47 | 1.1 | 35.0 | 0.03 | 0.3 | 1.5 | 0.9 |
| 99R-305 | 373257.01 | 6080611.99 | 1 | 5.3 | 460 | 0.3 | 2 | 24 | 165 | 4 | 4.3 | 4 | 2 | 4.3 | 89 | 56 | 0.1 | 15.8 | 0.09 | 0.3 | 6.9 | 2.8 |
| 99R-308 | 378593.33 | 6079122.68 | 1 | 2.9 | 690 | 0.3 | 5 | 26 | 151 | 2 | 5.5 | 3 | 1 | 2.7 | 39 | 40 | 0.1 | 24.5 | 0.03 | 0.3 | 3.7 | 0.3 |
| 99R-309 | 379412.18 | 6081620.51 | 1 | 0.3 | 25 | 0.3 | 4 | 48 | 7 | 1 | 9.6 | 3 | 1 | 1.8 | 39 | 8 | 3.8 | 44.9 | 0.03 | 0.3 | 2.5 | 0.3 |
| 99R-311 | 375825.45 | 6081477.33 | 1 | 1.9 | 1300 | 0.3 | 4 | 37 | 369 | 2 | 5.7 | 4 | 5 | 2.7 | 214 | 40 | 0.3 | 23.6 | 0.09 | 0.3 | 20.1 | 4.3 |
| 99R-312-1 Field Duplicate | 374729.14 | 6081514.74 | 41 | 288.0 | 300 | 0.3 | 1 | 38 | 207 | 1 | 8.8 | 3 | 1 | 0.7 | 197 | 24 | 12.3 | 46.0 | 0.03 | 0.3 | 0.6 | 0.3 |
| 99R-312-2 Field Duplicate | 374729.14 | 6081514.74 | 82 | 58.4 | 25 | 0.3 | 2 | 112 | 51 | 1 | 30.3 | 1 | 1 | 0.2 | 84 | 8 | 1.4 | 9.1 | 0.03 | 0.3 | 0.4 | 0.3 |
| 99R-314 | 380441.27 | 6077362.52 | 1 | 0.3 | 650 | 0.3 | 4 | 21 | 162 | 2 | 4.5 | 3 | 2 | 2.6 | 66 | 63 | 0.3 | 15.3 | 0.08 | 0.3 | 5.3 | 1.6 |
| 99R-324 | 371909.21 | 6077077.66 | 1 | 0.3 | 320 | 0.3 | 3 | 15 | 87 | 1 | 3.1 | 3 | 3 | 3.3 | 50 | 8 | 0.1 | 11.6 | 0.03 | 0.3 | 2.8 | 1.1 |
| 99R-346 | 363508.62 | 6077282.57 | 1 | 8.8 | 300 | 4.0 | 2 | 11 | 97 | 4 | 7.3 | 3 | 1 | 2.5 | 50 | 53 | 0.2 | 12.0 | 0.05 | 0.3 | 7.5 | 1.8 |
| 99R-348 | 386609.32 | 6076034.47 | 1 | 1.0 | 110 | 0.3 | 8 | 45 | 164 | 1 | 10.2 | 2 | 1 | 1.5 | 88 | 8 | 0.1 | 43.5 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-349 | 394290.85 | 6073197.89 | 1 | 0.5 | 260 | 5.8 | 8 | 50 | 186 | 1 | 10.5 | 3 | 7 | 1.8 | 90 | 40 | 0.1 | 46.0 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-351 | 377332.39 | 6064774.37 | 1 | 52.8 | 440 | 5.0 | 3 | 37 | 235 | 3 | 5.9 | 3 | 1 | 2.2 | 89 | 8 | 0.1 | 32.8 | 0.03 | 0.3 | 7.4 | 2.4 |

| Sample Site | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-2 | 1 | 25 | 2.5 | 6 | 3 | 1.7 | 0.6 | 0.3 | 1.7 | 0.26 | 16 |
| 99R-5 | 1 | 25 | 15.3 | 26 | 11 | 1.9 | 0.6 | 0.3 | 0.3 | 0.03 | 55 |
| 99R-7 | 1 | 25 | 3.0 | 9 | 9 | 2.1 | 0.7 | 0.3 | 1.9 | 0.28 | 26 |
| 99R-8 | 3 | 25 | 28.5 | 48 | 12 | 2.4 | 0.6 | 0.3 | 0.5 | 0.09 | 92 |
| 99R-9 | 1 | 162 | 34.2 | 68 | 32 | 7.6 | 2.0 | 0.3 | 3.1 | 0.46 | 148 |
| 99R-10 | 1 | 92 | 3.0 | 9 | 3 | 1.9 | 0.8 | 0.3 | 1.7 | 0.24 | 19 |
| 99R-11 | 1 | 124 | 2.8 | 7 | 7 | 1.9 | 0.7 | 0.3 | 1.9 | 0.30 | 22 |
| 99R-12 | 1 | 121 | 4.3 | 8 | 9 | 2.0 | 0.8 | 0.3 | 2.3 | 0.35 | 27 |
| 99R-13 | 1 | 167 | 5.3 | 14 | 3 | 2.3 | 0.9 | 0.3 | 2.7 | 0.42 | 28 |
| 99R-14 | 1 | 99 | 5.0 | 14 | 3 | 2.5 | 0.8 | 0.3 | 2.6 | 0.39 | 28 |
| 99R-15 | 1 | 110 | 28.7 | 53 | 17 | 4.0 | 1.1 | 0.3 | 1.5 | 0.24 | 106 |
| 99R-17 | 1 | 110 | 4.8 | 10 | 3 | 1.8 | 0.5 | 0.3 | 1.9 | 0.29 | 22 |
| 99R-20 | 7 | 25 | 12.6 | 22 | 3 | 1.5 | 0.4 | 0.3 | 0.3 | 0.05 | 40 |
| 99R-21 | 1 | 131 | 2.0 | 5 | 3 | 0.7 | 0.4 | 0.3 | 0.7 | 0.12 | 12 |
| 99R-22 | 1 | 25 | 6.0 | 14 | 3 | 2.0 | 0.7 | 0.3 | 2.0 | 0.31 | 28 |
| 99R-23 | 1 | 107 | 3.0 | 8 | 3 | 1.3 | 0.4 | 0.3 | 1.3 | 0.20 | 17 |
| 99R-24 | 1 | 25 | 6.2 | 13 | 3 | 1.9 | 0.6 | 0.3 | 1.9 | 0.28 | 27 |
| 99R-26 | 1 | 142 | 3.8 | 10 | 3 | 1.9 | 0.8 | 0.3 | 2.0 | 0.31 | 22 |
| 99R-28 | 1 | 83 | 29.4 | 57 | 22 | 4.0 | 1.1 | 0.3 | 1.8 | 0.28 | 116 |
| 99R-29 | 1 | 111 | 2.3 | 7 | 3 | 1.5 | 0.6 | 0.3 | 1.7 | 0.26 | 16 |
| 99R-30 | 1 | 185 | 9.1 | 17 | 8 | 1.5 | 0.6 | 0.3 | 1.5 | 0.25 | 38 |
| 99R-31 | 1 | 108 | 16.6 | 31 | 13 | 2.5 | 0.9 | 0.3 | 1.9 | 0.29 | 66 |
| 99R-32 | 1 | 25 | 2.0 | 7 | 3 | 1.6 | 0.5 | 0.3 | 1.8 | 0.26 | 16 |
| 99R-33 | 1 | 126 | 11.3 | 25 | 9 | 2.7 | 1.1 | 0.7 | 2.3 | 0.36 | 52 |
| 99R-34 | 1 | 118 | 1.8 | 5 | 3 | 1.4 | 0.5 | 0.3 | 1.5 | 0.23 | 13 |
| 99R-35 | 1 | 165 | 6.9 | 17 | 7 | 2.8 | 1.0 | 0.3 | 3.1 | 0.46 | 39 |
| 99R-36 | 1 | 96 | 6.3 | 19 | 7 | 3.1 | 0.9 | 0.3 | 4.6 | 0.69 | 42 |
| 99R-38 | 1 | 158 | 1.9 | 5 | 3 | 1.3 | 0.7 | 0.3 | 2.1 | 0.33 | 14 |
| 99R-42 | 1 | 53 | 7.0 | 14 | 3 | 1.3 | 0.4 | 0.3 | 0.1 | 0.03 | 26 |
| 99R-43 | 1 | 89 | 4.4 | 9 | 3 | 0.8 | 0.3 | 0.3 | 0.3 | 0.03 | 18 |
| 99R-44 | 1 | 25 | 3.9 | 7 | 3 | 0.7 | 0.3 | 0.3 | 0.3 | 0.03 | 15 |
| 99R-45 | 1 | 114 | 128.0 | 204 | 92 | 8.8 | 2.0 | 0.9 | 3.5 | 0.56 | 440 |
| 99R-47 | 1 | 162 | 3.6 | 9 | 3 | 2.6 | 0.9 | 0.3 | 3.0 | 0.45 | 22 |
| 99R-48-1 Field Duplicate | 1 | 25 | 8.9 | 20 | 7 | 1.6 | 0.5 | 0.3 | 0.3 | 0.03 | 39 |
| 99R-48-2 Field Duplicate | 1 | 25 | 61.7 | 135 | 89 | 24.1 | 8.0 | 2.7 | 4.0 | 0.60 | 325 |
| 99R-49 | 1 | 25 | 6.7 | 14 | 6 | 1.2 | 0.5 | 0.3 | 0.7 | 0.13 | 29 |
| 99R-50 | 1 | 104 | 4.4 | 9 | 5 | 1.7 | 0.7 | 0.3 | 1.6 | 0.25 | 23 |
| 99R-51 | 1 | 137 | 7.1 | 19 | 9 | 3.2 | 1.2 | 0.7 | 2.8 | 0.43 | 43 |
| 99R-52 | 1 | 101 | 26.0 | 46 | 22 | 4.0 | 1.3 | 0.7 | 1.4 | 0.24 | 102 |
| 99R-54 | 1 | 25 | 113.0 | 217 | 102 | 15.4 | 4.0 | 0.3 | 0.8 | 0.15 | 453 |
| 99R-55 | 1 | 135 | 2.2 | 7 | 3 | 1.3 | 0.6 | 0.3 | 1.9 | 0.30 | 16 |
| 99R-56 | 1 | 130 | 2.5 | 6 | 3 | 1.6 | 0.6 | 0.3 | 1.7 | 0.30 | 15 |
| 99R-57 | 1 | 296 | 6.6 | 17 | 7 | 2.3 | 1.0 | 0.5 | 2.9 | 0.47 | 38 |
| 99R-58 | 23 | 185 | 33.4 | 61 | 24 | 5.0 | 1.5 | 0.3 | 2.8 | 0.47 | 128 |
| 99R-63 | 1 | 25 | 25.4 | 44 | 22 | 6.3 | 1.1 | 1.3 | 2.9 | 0.46 | 103 |
| 99R-70 | 1 | 156 | 2.8 | 8 | 3 | 1.8 | 0.8 | 0.3 | 1.6 | 0.26 | 18 |
| 99R-71 | 1 | 132 | 3.0 | 7 | 3 | 1.7 | 0.8 | 0.5 | 2.2 | 0.33 | 18 |
| 99R-72 | 1 | 151 | 7.8 | 22 | 9 | 3.1 | 1.0 | 0.7 | 3.2 | 0.49 | 47 |
| 99R-76 | 1 | 25 | 7.8 | 15 | 7 | 1.1 | 0.3 | 0.3 | 0.3 | 0.03 | 32 |
| 99R-78 | 11 | 116 | 6.6 | 15 | 7 | 2.2 | 0.7 | 0.3 | 2.2 | 0.36 | 34 |

| Sample Site | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-79 | 1 | 25 | 16.1 | 39 | 12 | 2.6 | 0.9 | 0.3 | 0.6 | 0.08 | 72 |
| 99R-82 | 1 | 106 | 2.7 | 6 | 3 | 1.4 | 0.5 | 0.3 | 2.1 | 0.31 | 16 |
| 99R-87 | 1 | 126 | 3.1 | 6 | 5 | 1.5 | 0.6 | 0.3 | 1.5 | 0.25 | 18 |
| 99R-99 | 9 | 162 | 5.0 | 11 | 7 | 1.9 | 0.8 | 0.3 | 2.0 | 0.30 | 28 |
| 99R-103 | 1 | 161 | 1.9 | 6 | 3 | 1.5 | 0.7 | 0.3 | 1.9 | 0.29 | 15 |
| 99R-104 | 1 | 172 | 4.8 | 15 | 8 | 3.7 | 1.4 | 0.8 | 4.2 | 0.60 | 39 |
| 99R-109 | 1 | 119 | 2.3 | 8 | 8 | 1.6 | 0.7 | 0.3 | 1.8 | 0.30 | 23 |
| 99R-114 | 1 | 83 | 22.1 | 47 | 15 | 3.1 | 0.9 | 0.3 | 0.8 | 0.15 | 89 |
| 99R-116 | 1 | 53 | 27.5 | 54 | 18 | 3.2 | 1.0 | 0.3 | 0.9 | 0.13 | 105 |
| 99R-119 | 1 | 122 | 11.1 | 24 | 9 | 2.9 | 0.9 | 0.3 | 2.3 | 0.33 | 51 |
| 99R-128 | 4 | 55 | 8.6 | 16 | 8 | 1.5 | 0.3 | 0.3 | 0.7 | 0.11 | 35 |
| 99R-131 | 1 | 84 | 20.3 | 40 | 15 | 2.6 | 0.8 | 0.3 | 0.9 | 0.15 | 80 |
| 99R-141 | 1 | 105 | 44.0 | 88 | 35 | 5.6 | 1.4 | 0.3 | 1.1 | 0.16 | 176 |
| 99R-149 | 1 | 140 | 3.3 | 9 | 3 | 2.0 | 0.8 | 0.3 | 2.3 | 0.35 | 21 |
| 99R-150 | 1 | 136 | 2.6 | 8 | 3 | 1.8 | 0.7 | 0.3 | 2.0 | 0.33 | 18 |
| 99R-157 | 1 | 128 | 3.3 | 9 | 3 | 1.8 | 0.7 | 0.3 | 2.1 | 0.32 | 20 |
| 99R-202-1 Field Duplicate | 9 | 119 | 30.6 | 60 | 23 | 4.3 | 1.3 | 0.3 | 1.5 | 0.25 | 121 |
| 99R-202-2 Field Duplicate | 1 | 66 | 4.0 | 7 | 3 | 0.7 | 0.1 | 0.3 | 0.1 | 0.03 | 15 |
| 99R-203 | 120 | 25 | 9.2 | 19 | 3 | 1.2 | 0.3 | 0.3 | 0.8 | 0.12 | 33 |
| 99R-213-1 Field Duplicate | 1 | 69 | 24.4 | 55 | 19 | 4.1 | 1.0 | 0.3 | 1.2 | 0.22 | 105 |
| 99R-213-2 Field Duplicate | 1 | 88 | 19.8 | 35 | 14 | 2.6 | 0.9 | 0.3 | 0.7 | 0.13 | 73 |
| 99R-213-3 Field Duplicate | 1 | 156 | 18.8 | 29 | 12 | 2.4 | 1.0 | 0.3 | 2.0 | 0.32 | 66 |
| 99R-213-4 Field Duplicate | 1 | 105 | 22.7 | 41 | 16 | 3.3 | 1.1 | 0.3 | 1.1 | 0.16 | 86 |
| 99R-213-5 Field Duplicate | 2 | 25 | 13.6 | 25 | 14 | 2.4 | 0.7 | 0.3 | 0.9 | 0.16 | 57 |
| 99R-213-6 Field Duplicate | 1 | 88 | 23.4 | 41 | 18 | 3.6 | 1.0 | 0.3 | 1.5 | 0.22 | 89 |
| 99R-213-7 Field Duplicate | 1 | 72 | 25.8 | 46 | 20 | 3.2 | 0.9 | 0.3 | 1.0 | 0.15 | 97 |
| 99R-218 | 1 | 156 | 7.7 | 16 | 6 | 2.9 | 1.0 | 0.3 | 2.7 | 0.40 | 37 |
| 99R-227 | 1 | 86 | 47.1 | 102 | 41 | 7.5 | 2.0 | 0.8 | 2.1 | 0.32 | 203 |
| 99R-230 | 1 | 108 | 45.1 | 96 | 37 | 6.2 | 1.6 | 0.3 | 1.6 | 0.24 | 188 |
| 99R-235 | 1 | 166 | 23.9 | 54 | 19 | 4.6 | 1.4 | 0.3 | 2.1 | 0.32 | 106 |
| 99R-241 | 1 | 101 | 10.4 | 29 | 12 | 2.3 | 0.8 | 0.3 | 1.9 | 0.29 | 57 |
| 99R-251 | 1 | 90 | 35.0 | 74 | 28 | 5.4 | 1.6 | 0.6 | 1.6 | 0.25 | 146 |
| 99R-258 | 1 | 64 | 21.6 | 45 | 14 | 3.0 | 0.9 | 0.3 | 1.3 | 0.19 | 86 |
| 99R-259 | 44 | 74 | 31.9 | 65 | 22 | 4.1 | 1.0 | 0.3 | 0.9 | 0.13 | 125 |
| 99R-260 | 1 | 98 | 39.6 | 77 | 24 | 4.5 | 1.3 | 0.3 | 1.5 | 0.23 | 148 |
| 99R-261 | 1 | 147 | 5.2 | 14 | 7 | 2.5 | 0.8 | 0.3 | 2.4 | 0.36 | 33 |
| 99R-264 | 1 | 115 | 6.7 | 17 | 7 | 2.7 | 0.9 | 0.3 | 2.3 | 0.35 | 37 |
| 99R-265 | 1 | 122 | 22.8 | 49 | 17 | 3.6 | 1.0 | 0.3 | 1.0 | 0.15 | 95 |
| 99R-266 | 1 | 25 | 14.7 | 29 | 18 | 3.3 | 1.0 | 0.3 | 1.9 | 0.30 | 68 |
| 99R-267 | 1 | 25 | 3.9 | 10 | 3 | 0.8 | 0.1 | 0.3 | 0.4 | 0.06 | 18 |
| 99R-268 | 1 | 25 | 7.2 | 13 | 6 | 2.0 | 0.1 | 0.3 | 1.1 | 0.19 | 30 |
| 99R-269 | 1 | 25 | 17.0 | 31 | 10 | 4.4 | 0.3 | 0.3 | 1.2 | 0.22 | 64 |
| 99R-274 | 1 | 25 | 6.6 | 12 | 5 | 1.0 | 0.2 | 0.3 | 0.1 | 0.03 | 25 |
| 99R-281-1 Field Duplicate | 1 | 176 | 4.4 | 9 | 6 | 2.0 | 1.0 | 0.7 | 2.1 | 0.29 | 25 |
| 99R-281-2 Field Duplicate | 37 | 25 | 4.5 | 9 | 3 | 1.7 | 0.7 | 0.3 | 1.2 | 0.20 | 20 |
| 99R-281-3 Field Duplicate | 1 | 25 | 4.4 | 10 | 3 | 2.1 | 0.9 | 0.3 | 1.9 | 0.30 | 22 |
| 99R-282 | 1 | 51 | 9.1 | 19 | 12 | 3.5 | 1.3 | 0.3 | 3.5 | 0.56 | 49 |
| 99R-283 | 1 | 25 | 32.0 | 56 | 31 | 4.8 | 1.4 | 0.3 | 1.1 | 0.16 | 127 |
| 99R-287 | 1 | 124 | 3.3 | 8 | 3 | 2.7 | 0.8 | 0.3 | 2.6 | 0.40 | 21 |
| 99R-288 | 1 | 212 | 10.1 | 22 | 13 | 2.8 | 0.9 | 0.3 | 1.5 | 0.25 | 51 |
| 99R-289 | 1 | 104 | 3.8 | 11 | 10 | 3.1 | 1.0 | 0.6 | 2.9 | 0.45 | 33 |
| 99R-291 | 1 | 60 | 5.3 | 14 | 8 | 2.8 | 0.9 | 0.3 | 2.5 | 0.38 | 34 |
| 99R-292-1 Field Duplicate | 1 | 69 | 21.6 | 40 | 19 | 3.4 | 1.0 | 0.3 | 1.1 | 0.18 | 87 |
| 99R-292-2 Field Duplicate | 1 | 110 | 12.1 | 25 | 12 | 3.0 | 0.9 | 0.3 | 1.5 | 0.23 | 55 |
| 99R-293 | 1 | 64 | 24.3 | 44 | 17 | 3.4 | 1.2 | 0.3 | 1.0 | 0.17 | 91 |
| 99R-294-1 Field Duplicate | 1 | 100 | 10.1 | 20 | 10 | 2.5 | 0.8 | 0.3 | 2.2 | 0.34 | 46 |

| Sample Site | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-294-2 Field Duplicate | 1 | 25 | 2.8 | 5 | 3 | 0.4 | 0.1 | 0.3 | 0.2 | 0.03 | 11 |
| 99R-295-1 Field Duplicate | 1 | 25 | 9.0 | 17 | 7 | 1.5 | 0.7 | 0.3 | 1.0 | 0.15 | 37 |
| 99R-295-2 Field Duplicate | 1 | 25 | 0.8 | 2 | 3 | 0.2 | 0.1 | 0.3 | 0.1 | 0.03 | 5 |
| 99R-296 | 31 | 25 | 33.1 | 59 | 29 | 4.5 | 1.2 | 0.3 | 1.0 | 0.15 | 128 |
| 99R-297-1 Field Duplicate | 1 | 25 | 42.9 | 82 | 38 | 6.8 | 1.7 | 0.3 | 1.7 | 0.28 | 174 |
| 99R-297-2 Field Duplicate | 1 | 116 | 19.1 | 37 | 15 | 4.2 | 1.0 | 0.3 | 1.1 | 0.18 | 78 |
| 99R-297-3 Field Duplicate | 1 | 25 | 55.1 | 90 | 39 | 6.3 | 1.7 | 0.3 | 1.9 | 0.34 | 195 |
| 99R-297-4 Field Duplicate | 1 | 25 | 14.4 | 26 | 12 | 3.1 | 1.1 | 0.3 | 1.5 | 0.30 | 59 |
| 99R-298 | 1 | 58 | 38.1 | 64 | 29 | 4.3 | 1.2 | 0.3 | 1.4 | 0.26 | 139 |
| 99R-300 | 1 | 85 | 9.9 | 19 | 8 | 2.6 | 0.8 | 0.3 | 2.3 | 0.44 | 43 |
| 99R-301-1 Field Duplicate | 2 | 25 | 3.8 | 8 | 3 | 0.8 | 0.4 | 0.3 | 0.7 | 0.10 | 17 |
| 99R-301-2 Field Duplicate | 1 | 25 | 12.8 | 24 | 9 | 2.2 | 0.7 | 0.3 | 0.3 | 0.03 | 49 |
| 99R-302-1 Field Duplicate | 1 | 61 | 5.4 | 11 | 7 | 1.4 | 0.2 | 0.3 | 1.0 | 0.14 | 26 |
| 99R-302-2 Field Duplicate | 9 | 110 | 15.5 | 31 | 13 | 2.5 | 0.7 | 0.3 | 0.9 | 0.13 | 64 |
| 99R-303 | 1 | 51 | 8.3 | 20 | 12 | 3.5 | 1.2 | 0.3 | 1.8 | 0.30 | 47 |
| 99R-304 | 1 | 179 | 14.8 | 30 | 16 | 4.3 | 1.4 | 0.6 | 2.0 | 0.30 | 69 |
| 99R-305 | 1 | 25 | 39.8 | 67 | 35 | 5.5 | 1.3 | 0.6 | 0.9 | 0.19 | 150 |
| 99R-308 | 1 | 68 | 26.5 | 50 | 24 | 4.7 | 1.5 | 0.3 | 1.6 | 0.27 | 109 |
| 99R-309 | 1 | 60 | 13.9 | 25 | 9 | 3.1 | 1.0 | 0.3 | 2.6 | 0.42 | 55 |
| 99R-311 | 1 | 25 | 98.6 | 170 | 88 | 10.2 | 2.7 | 0.3 | 1.6 | 0.29 | 372 |
| 99R-312-1 Field Duplicate | 15 | 25 | 6.7 | 14 | 5 | 2.6 | 0.8 | 0.3 | 3.0 | 0.44 | 33 |
| 99R-312-2 Field Duplicate | 1 | 67 | 1.6 | 2 | 3 | 0.6 | 0.2 | 0.3 | 0.5 | 0.08 | 7 |
| 99R-314 | 1 | 101 | 32.1 | 50 | 20 | 4.0 | 1.2 | 0.3 | 0.9 | 0.14 | 109 |
| 99R-324 | 1 | 25 | 11.0 | 22 | 10 | 2.5 | 0.6 | 0.3 | 0.8 | 0.13 | 47 |
| 99R-346 | 1 | 25 | 17.0 | 26 | 7 | 2.2 | 0.7 | 0.3 | 1.1 | 0.17 | 54 |
| 99R-348 | 1 | 162 | 3.3 | 8 | 6 | 2.5 | 0.7 | 0.6 | 2.8 | 0.40 | 24 |
| 99R-349 | 1 | 145 | 3.3 | 10 | 3 | 3.0 | 1.0 | 0.7 | 3.0 | 0.45 | 24 |
| 99R-351 | 1 | 25 | 27.4 | 51 | 19 | 4.4 | 1.1 | 0.6 | 1.7 | 0.29 | 105 |

## Appendix R-6

# INA Analyses, Multiple Samples.

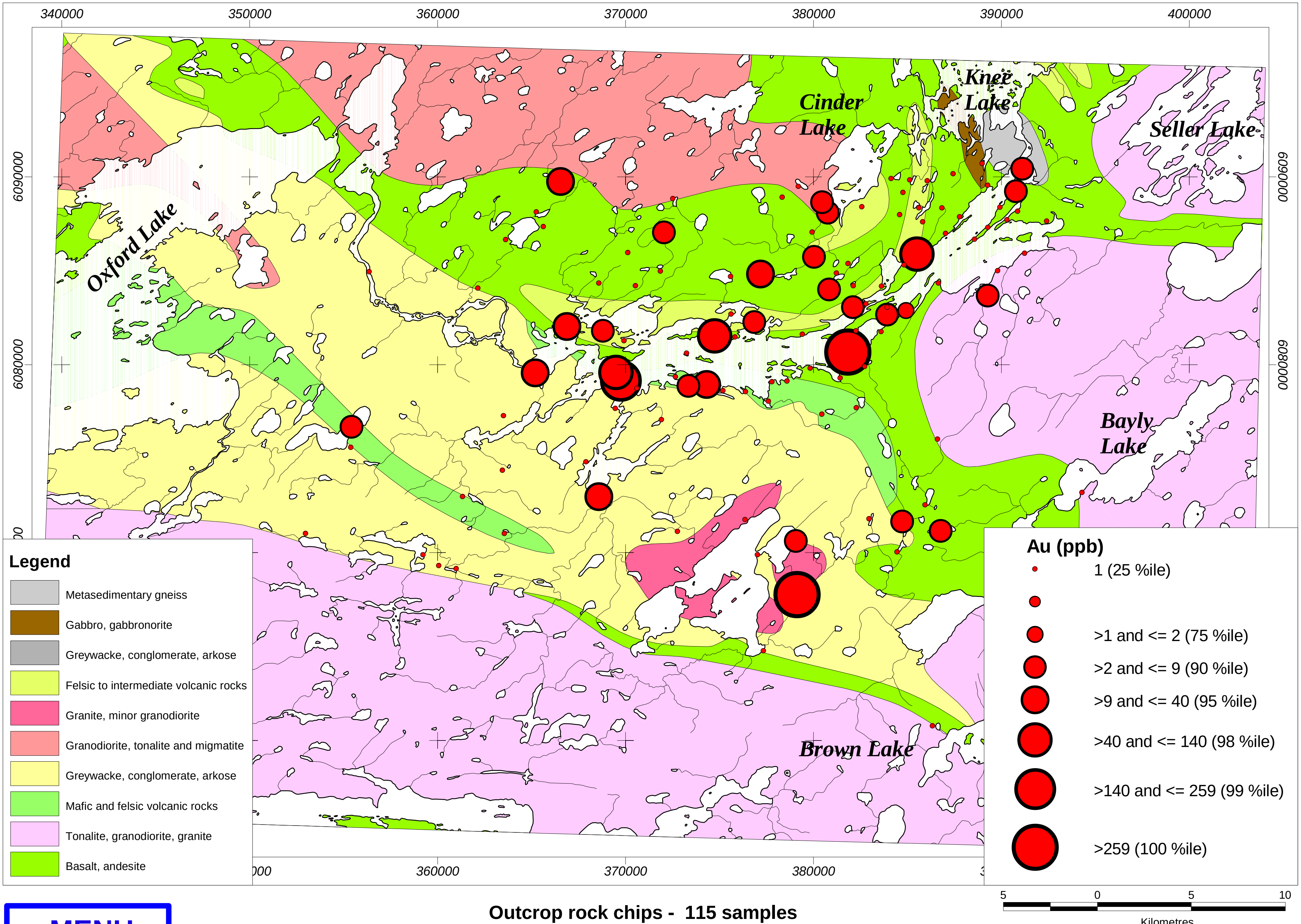
| Sample Site | UTM Easting | UTM Northing | Au ppb | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Cs ppm | Fe % | Hf ppm | Mo ppm | Na % | Ni ppm | Rb ppm | Sb ppm | Sc ppm | Sr % | Ta ppm | Th ppm | U ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-48-1 Field Duplicate | 383904.64 | 6082648.05 | 4 | 3.6 | 540 | 0.3 | 2 | 4 | 22 | 3 | 1.4 | 2 | 1 | 4.2 | 17 | 33 | 1.3 | 3.1 | 0.03 | 0.3 | 1.3 | 0.3 |
| 99R-48-2 Field Duplicate | 383904.64 | 6082648.05 | 1 | 1.7 | 1100 | 0.3 | 4 | 5 | 3 | 4 | 3.0 | 12 | 1 | 2.3 | 12 | 393 | 0.4 | 1.4 | 0.14 | 0.3 | 14.8 | 4.1 |
| 99R-202-1 Field Duplicate | 370612.18 | 6078749.88 | 1 | 6.7 | 180 | 2.2 | 5 | 17 | 66 | 2 | 13.1 | 2 | 1 | 0.7 | 40 | 8 | 0.1 | 9.1 | 0.06 | 0.3 | 4.4 | 0.3 |
| 99R-202-2 Field Duplicate | 370612.18 | 6078749.88 | 1 | 1.0 | 300 | 2.8 | 1 | 5 | 20 | 1 | 1.3 | 1 | 1 | 0.5 | 25 | 8 | 0.1 | 4.7 | 0.03 | 0.3 | 1.0 | 0.3 |
| 99R-213-1 Field Duplicate | 365183.13 | 6079542.10 | 1 | 37.2 | 690 | 6.4 | 2 | 17 | 222 | 3 | 3.8 | 4 | 5 | 2.5 | 103 | 32 | 0.3 | 15.9 | 0.07 | 0.3 | 6.9 | 0.9 |
| 99R-213-2 Field Duplicate | 365183.13 | 6079542.10 | 1 | 3.4 | 790 | 0.3 | 3 | 13 | 54 | 11 | 3.8 | 3 | 1 | 2.4 | 17 | 55 | 0.3 | 10.6 | 0.08 | 0.3 | 6.7 | 1.6 |
| 99R-213-3 Field Duplicate | 365183.13 | 6079542.10 | 1 | 9.2 | 1900 | 0.3 | 5 | 29 | 703 | 11 | 7.3 | 5 | 1 | 2.7 | 56 | 120 | 0.1 | 46.6 | 0.08 | 0.6 | 6.8 | 1.3 |
| 99R-213-4 Field Duplicate | 365183.13 | 6079542.10 | 1 | 8.2 | 690 | 0.3 | 3 | 23 | 122 | 11 | 5.7 | 4 | 1 | 2.0 | 45 | 67 | 0.5 | 13.6 | 0.06 | 0.7 | 5.8 | 0.9 |
| 99R-213-5 Field Duplicate | 365183.13 | 6079542.10 | 1 | 273.0 | 25 | 1.7 | 4 | 9 | 54 | 7 | 13.9 | 1 | 2 | 0.3 | 14 | 8 | 1.2 | 5.8 | 0.03 | 0.3 | 3.0 | 0.3 |
| 99R-213-6 Field Duplicate | 365183.13 | 6079542.10 | 18 | 16.2 | 130 | 0.3 | 3 | 8 | 76 | 1 | 14.3 | 2 | 1 | 0.2 | 15 | 8 | 0.1 | 10.1 | 0.05 | 0.3 | 6.4 | 1.6 |
| 99R-213-7 Field Duplicate | 365183.13 | 6079542.10 | 1 | 1.6 | 1300 | 2.6 | 1 | 26 | 107 | 5 | 4.5 | 4 | 1 | 4.0 | 21 | 135 | 0.6 | 10.9 | 0.10 | 0.3 | 4.8 | 1.8 |
| 99R-281-1 Field Duplicate | 379124.40 | 6067728.11 | 1 | 25.3 | 25 | 0.3 | 8 | 17 | 185 | 1 | 19.7 | 1 | 1 | 0.8 | 42 | 35 | 0.1 | 29.2 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-281-2 Field Duplicate | 379124.40 | 6067728.11 | 277 | 1440.0 | 25 | 0.3 | 7 | 28 | 190 | 1 | 19.6 | 1 | 1 | 0.9 | 81 | 8 | 0.1 | 27.5 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-281-3 Field Duplicate | 379124.40 | 6067728.11 | 13 | 557.0 | 120 | 0.3 | 7 | 44 | 247 | 1 | 12.8 | 2 | 1 | 1.7 | 138 | 8 | 0.1 | 40.7 | 0.03 | 0.3 | 0.1 | 0.3 |
| 99R-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1 | 7.0 | 1200 | 3.0 | 2 | 18 | 117 | 3 | 6.4 | 3 | 3 | 1.8 | 76 | 93 | 0.3 | 13.7 | 0.03 | 0.3 | 5.8 | 1.7 |
| 99R-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1 | 3.0 | 720 | 0.3 | 5 | 64 | 1030 | 8 | 7.5 | 2 | 1 | 0.5 | 776 | 125 | 0.1 | 26.5 | 0.03 | 0.3 | 2.2 | 0.8 |
| 99R-294-1 Field Duplicate | 374312.89 | 6078921.40 | 1 | 4.5 | 150 | 0.3 | 5 | 40 | 60 | 1 | 8.2 | 3 | 1 | 1.3 | 58 | 8 | 0.3 | 35.6 | 0.03 | 0.3 | 2.3 | 1.1 |
| 99R-294-2 Field Duplicate | 374312.89 | 6078921.40 | 10 | 188.0 | 25 | 0.3 | 1 | 22 | 7 | 1 | 30.0 | 1 | 1 | 0.0 | 10 | 8 | 11.2 | 0.7 | 0.03 | 0.3 | 0.2 | 0.3 |
| 99R-295-1 Field Duplicate | 375182.62 | 6078624.03 | 1 | 2.3 | 240 | 5.7 | 2 | 7 | 38 | 56 | 25.1 | 1 | 3 | 0.1 | 11 | 93 | 1.0 | 5.2 | 0.03 | 0.3 | 0.9 | 0.3 |
| 99R-295-2 Field Duplicate | 375182.62 | 6078624.03 | 1 | 1290.0 | 110 | 23.9 | 1 | 5 | 3 | 125 | 1.2 | 2 | 1 | 5.4 | 25 | 8 | 0.2 | 6.5 | 0.03 | 62.7 | 3.0 | 5.0 |
| 99R-297-1 Field Duplicate | 377606.00 | 6078057.09 | 1 | 2.0 | 1000 | 0.3 | 6 | 50 | 625 | 1 | 7.1 | 2 | 1 | 3.1 | 163 | 8 | 0.1 | 50.0 | 0.03 | 0.3 | 10.7 | 2.5 |
| 99R-297-2 Field Duplicate | 377606.00 | 6078057.09 | 1 | 2.5 | 280 | 0.3 | 7 | 72 | 1230 | 3 | 8.0 | 2 | 1 | 0.2 | 919 | 50 | 0.4 | 27.0 | 0.03 | 0.3 | 1.9 | 0.8 |
| 99R-297-3 Field Duplicate | 377606.00 | 6078057.09 | 1 | 0.3 | 500 | 0.3 | 2 | 37 | 180 | 1 | 6.3 | 3 | 1 | 5.3 | 71 | 8 | 0.1 | 25.1 | 0.03 | 0.3 | 16.0 | 2.2 |
| 99R-297-4 Field Duplicate | 377606.00 | 6078057.09 | 1 | 0.3 | 200 | 0.3 | 5 | 48 | 784 | 1 | 6.3 | 2 | 1 | 3.9 | 327 | 8 | 0.7 | 28.9 | 0.03 | 0.3 | 1.8 | 0.3 |
| 99R-301-1 Field Duplicate | 382264.75 | 6081807.41 | 1 | 3.6 | 460 | 0.3 | 1 | 4 | 36 | 1 | 20.8 | 1 | 3 | 0.0 | 10 | 43 | 2.7 | 4.0 | 0.03 | 0.3 | 0.6 | 0.3 |
| 99R-301-2 Field Duplicate | 382264.75 | 6081807.41 | 1 | 9.2 | 890 | 0.3 | 1 | 4 | 22 | 4 | 1.7 | 3 | 1 | 3.4 | 13 | 60 | 2.2 | 3.3 | 0.03 | 0.3 | 1.5 | 0.9 |
| 99R-302-1 Field Duplicate | 381825.16 | 6080640.92 | 12 | 116.0 | 190 | 0.3 | 13 | 117 | 1030 | 4 | 18.4 | 1 | 1 | 0.5 | 1640 | 23 | 0.9 | 15.1 | 0.03 | 0.3 | 0.7 | 0.3 |
| 99R-302-2 Field Duplicate | 381825.16 | 6080640.92 | 1150 | 19.0 | 550 | 1.3 | 1 | 29 | 45 | 1 | 9.5 | 2 | 5 | 0.1 | 250 | 36 | 0.8 | 4.6 | 0.03 | 0.3 | 4.2 | 0.6 |
| 99R-312-1 Field Duplicate | 374729.14 | 6081514.74 | 41 | 288.0 | 300 | 0.3 | 1 | 38 | 207 | 1 | 8.8 | 3 | 1 | 0.7 | 197 | 24 | 12.3 | 46.0 | 0.03 | 0.3 | 0.6 | 0.3 |
| 99R-312-2 Field Duplicate | 374729.14 | 6081514.74 | 82 | 58.4 | 25 | 0.3 | 2 | 112 | 51 | 1 | 30.3 | 1 | 1 | 0.2 | 84 | 8 | 1.4 | 9.1 | 0.03 | 0.3 | 0.4 | 0.3 |

| Sample Site | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | Mass g | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99R-48-1 Field Duplicate | 1 | 25 | 8.9 | 20 | 7 | 1.6 | 0.5 | 0.3 | 0.3 | 0.03 | 27.57 | 39 |
| 99R-48-2 Field Duplicate | 1 | 25 | 61.7 | 135 | 89 | 24.1 | 8.0 | 2.7 | 4.0 | 0.60 | 33.09 | 325 |
| 99R-202-1 Field Duplicate | 9 | 119 | 30.6 | 60 | 23 | 4.3 | 1.3 | 0.3 | 1.5 | 0.25 | 35.94 | 121 |
| 99R-202-2 Field Duplicate | 1 | 66 | 4.0 | 7 | 3 | 0.7 | 0.1 | 0.3 | 0.1 | 0.03 | 38.79 | 15 |
| 99R-213-1 Field Duplicate | 1 | 69 | 24.4 | 55 | 19 | 4.1 | 1.0 | 0.3 | 1.2 | 0.22 | 33.19 | 105 |
| 99R-213-2 Field Duplicate | 1 | 88 | 19.8 | 35 | 14 | 2.6 | 0.9 | 0.3 | 0.7 | 0.13 | 33.34 | 73 |
| 99R-213-3 Field Duplicate | 1 | 156 | 18.8 | 29 | 12 | 2.4 | 1.0 | 0.3 | 2.0 | 0.32 | 33.83 | 66 |
| 99R-213-4 Field Duplicate | 1 | 105 | 22.7 | 41 | 16 | 3.3 | 1.1 | 0.3 | 1.1 | 0.16 | 28.81 | 86 |
| 99R-213-5 Field Duplicate | 2 | 25 | 13.6 | 25 | 14 | 2.4 | 0.7 | 0.3 | 0.9 | 0.16 | 35.95 | 57 |
| 99R-213-6 Field Duplicate | 1 | 88 | 23.4 | 41 | 18 | 3.6 | 1.0 | 0.3 | 1.5 | 0.22 | 33.23 | 89 |
| 99R-213-7 Field Duplicate | 1 | 72 | 25.8 | 46 | 20 | 3.2 | 0.9 | 0.3 | 1.0 | 0.15 | 30.89 | 97 |
| 99R-281-1 Field Duplicate | 1 | 176 | 4.4 | 9 | 6 | 2.0 | 1.0 | 0.7 | 2.1 | 0.29 | 36.84 | 25 |
| 99R-281-2 Field Duplicate | 37 | 25 | 4.5 | 9 | 3 | 1.7 | 0.7 | 0.3 | 1.2 | 0.20 | 42.23 | 20 |
| 99R-281-3 Field Duplicate | 1 | 25 | 4.4 | 10 | 3 | 2.1 | 0.9 | 0.3 | 1.9 | 0.30 | 38.83 | 22 |
| 99R-292-1 Field Duplicate | 1 | 69 | 21.6 | 40 | 19 | 3.4 | 1.0 | 0.3 | 1.1 | 0.18 | 29.12 | 87 |
| 99R-292-2 Field Duplicate | 1 | 110 | 12.1 | 25 | 12 | 3.0 | 0.9 | 0.3 | 1.5 | 0.23 | 28.53 | 55 |
| 99R-294-1 Field Duplicate | 1 | 100 | 10.1 | 20 | 10 | 2.5 | 0.8 | 0.3 | 2.2 | 0.34 | 32.09 | 46 |
| 99R-294-2 Field Duplicate | 1 | 25 | 2.8 | 5 | 3 | 0.4 | 0.1 | 0.3 | 0.2 | 0.03 | 46.11 | 11 |
| 99R-295-1 Field Duplicate | 1 | 25 | 9.0 | 17 | 7 | 1.5 | 0.7 | 0.3 | 1.0 | 0.15 | 35.60 | 37 |
| 99R-295-2 Field Duplicate | 1 | 25 | 0.8 | 2 | 3 | 0.2 | 0.1 | 0.3 | 0.1 | 0.03 | 27.94 | 5 |
| 99R-297-1 Field Duplicate | 1 | 25 | 42.9 | 82 | 38 | 6.8 | 1.7 | 0.3 | 1.7 | 0.28 | 29.48 | 174 |
| 99R-297-2 Field Duplicate | 1 | 116 | 19.1 | 37 | 15 | 4.2 | 1.0 | 0.3 | 1.1 | 0.18 | 23.74 | 78 |
| 99R-297-3 Field Duplicate | 1 | 25 | 55.1 | 90 | 39 | 6.3 | 1.7 | 0.3 | 1.9 | 0.34 | 31.48 | 195 |
| 99R-297-4 Field Duplicate | 1 | 25 | 14.4 | 26 | 12 | 3.1 | 1.1 | 0.3 | 1.5 | 0.30 | 29.95 | 59 |
| 99R-301-1 Field Duplicate | 2 | 25 | 3.8 | 8 | 3 | 0.8 | 0.4 | 0.3 | 0.7 | 0.10 | 36.99 | 17 |
| 99R-301-2 Field Duplicate | 1 | 25 | 12.8 | 24 | 9 | 2.2 | 0.7 | 0.3 | 0.3 | 0.03 | 27.03 | 49 |
| 99R-302-1 Field Duplicate | 1 | 61 | 5.4 | 11 | 7 | 1.4 | 0.2 | 0.3 | 1.0 | 0.14 | 29.24 | 26 |
| 99R-302-2 Field Duplicate | 9 | 110 | 15.5 | 31 | 13 | 2.5 | 0.7 | 0.3 | 0.9 | 0.13 | 31.17 | 64 |
| 99R-312-1 Field Duplicate | 15 | 25 | 6.7 | 14 | 5 | 2.6 | 0.8 | 0.3 | 3.0 | 0.44 | 23.72 | 33 |
| 99R-312-2 Field Duplicate | 1 | 67 | 1.6 | 2 | 3 | 0.6 | 0.2 | 0.3 | 0.5 | 0.08 | 48.19 | 7 |

Appendix R-7: INAA Percentile Bubble Plots

| | | | | |
|---|---|---|---|---|
| Au | As | Ba | Br | Ca |
| Co | Cr | Cs | Fe | Hf |
| Mo | Na | Ni | Rb | Sb |
| Sc | Sr | Ta | Th | U |
| W | Zn | Total REE | | |

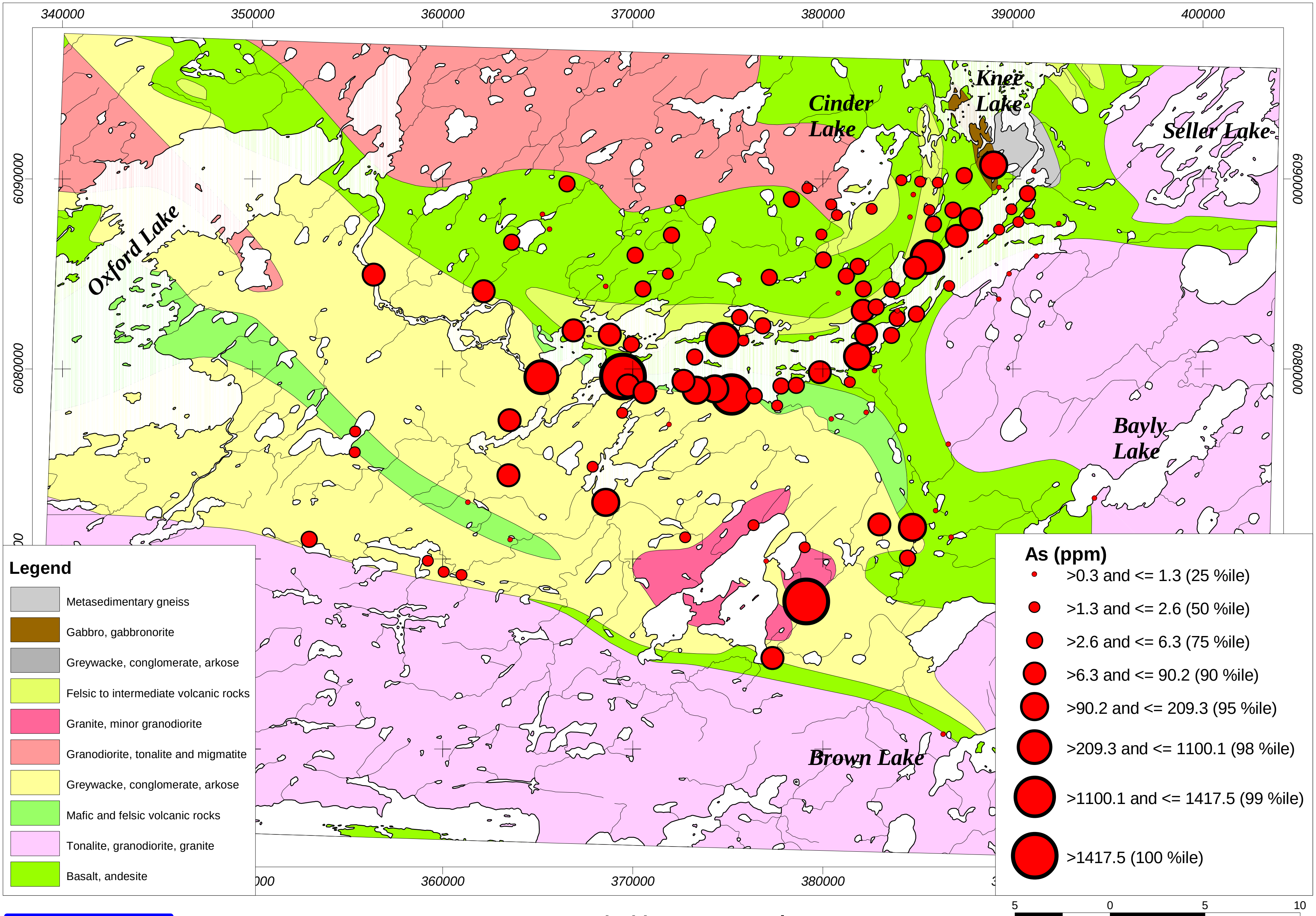
CONTENTS




**MENU**

**Outcrop rock chips - 115 samples**
**INAA**

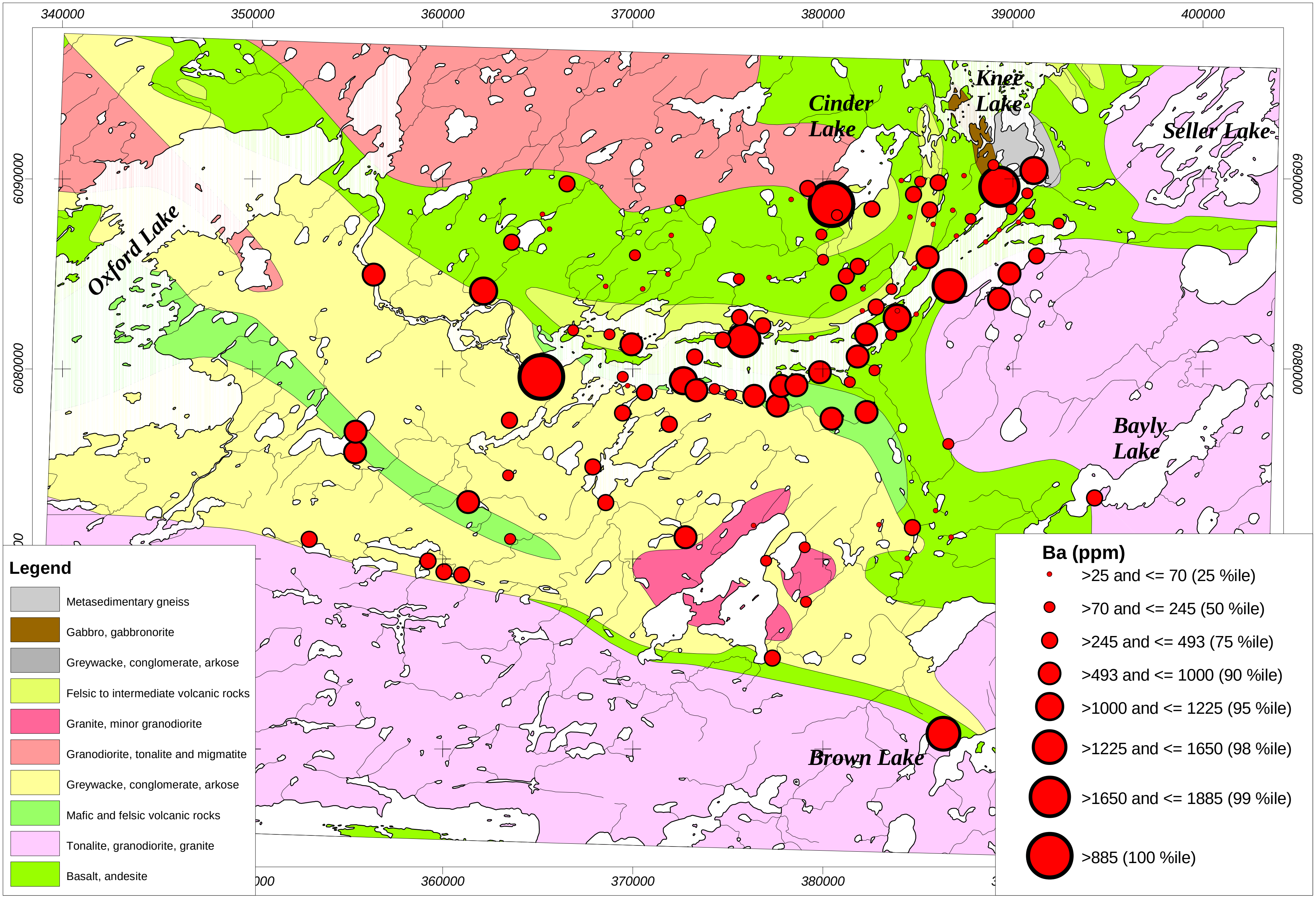
Appendix R-7-1




MENU

**Outcrop rock chips - 115 samples**
**INAA**

Appendix R-7-2




MENU

**Outcrop rock chips - 115 samples**
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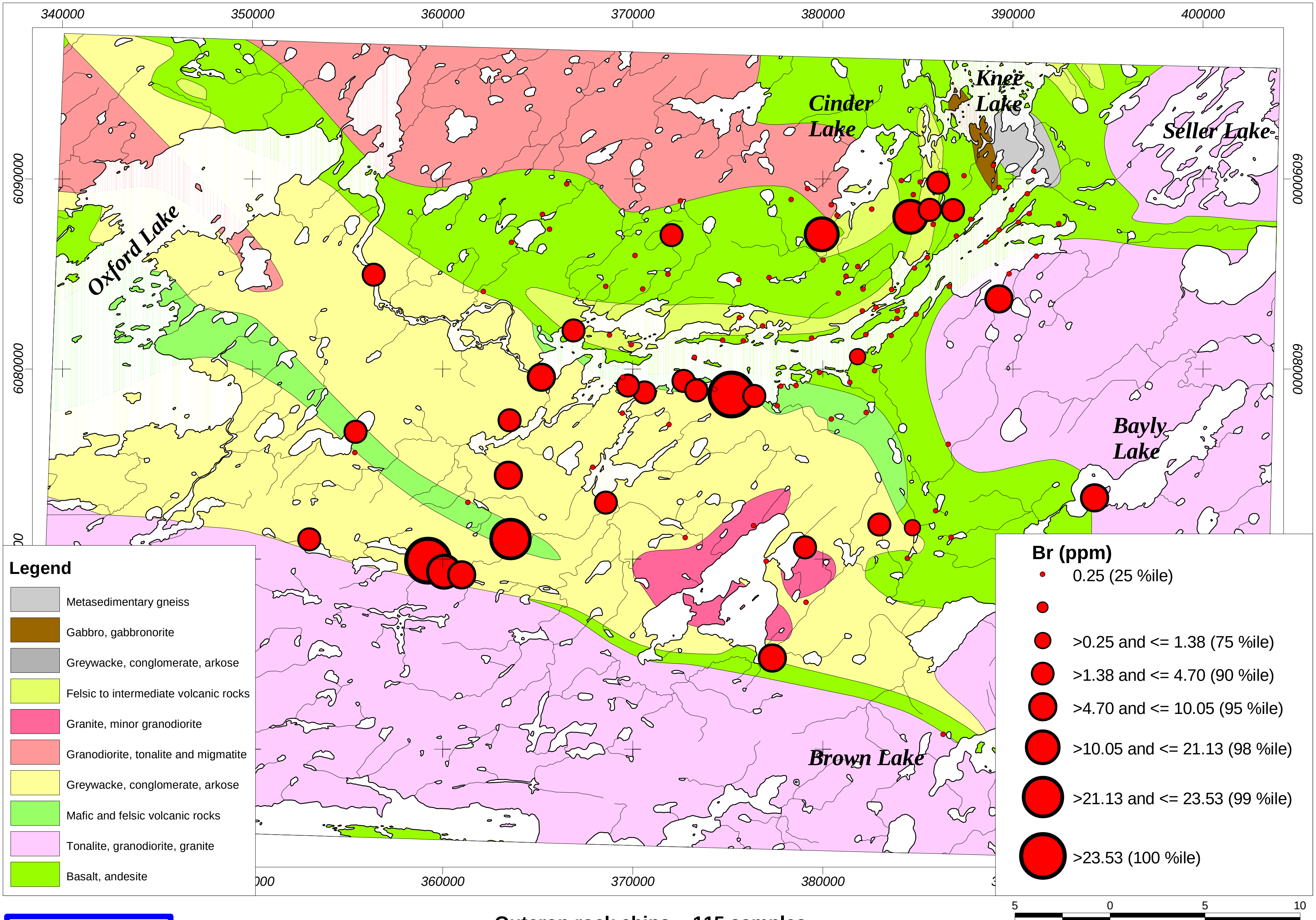
Appendix R-7-3

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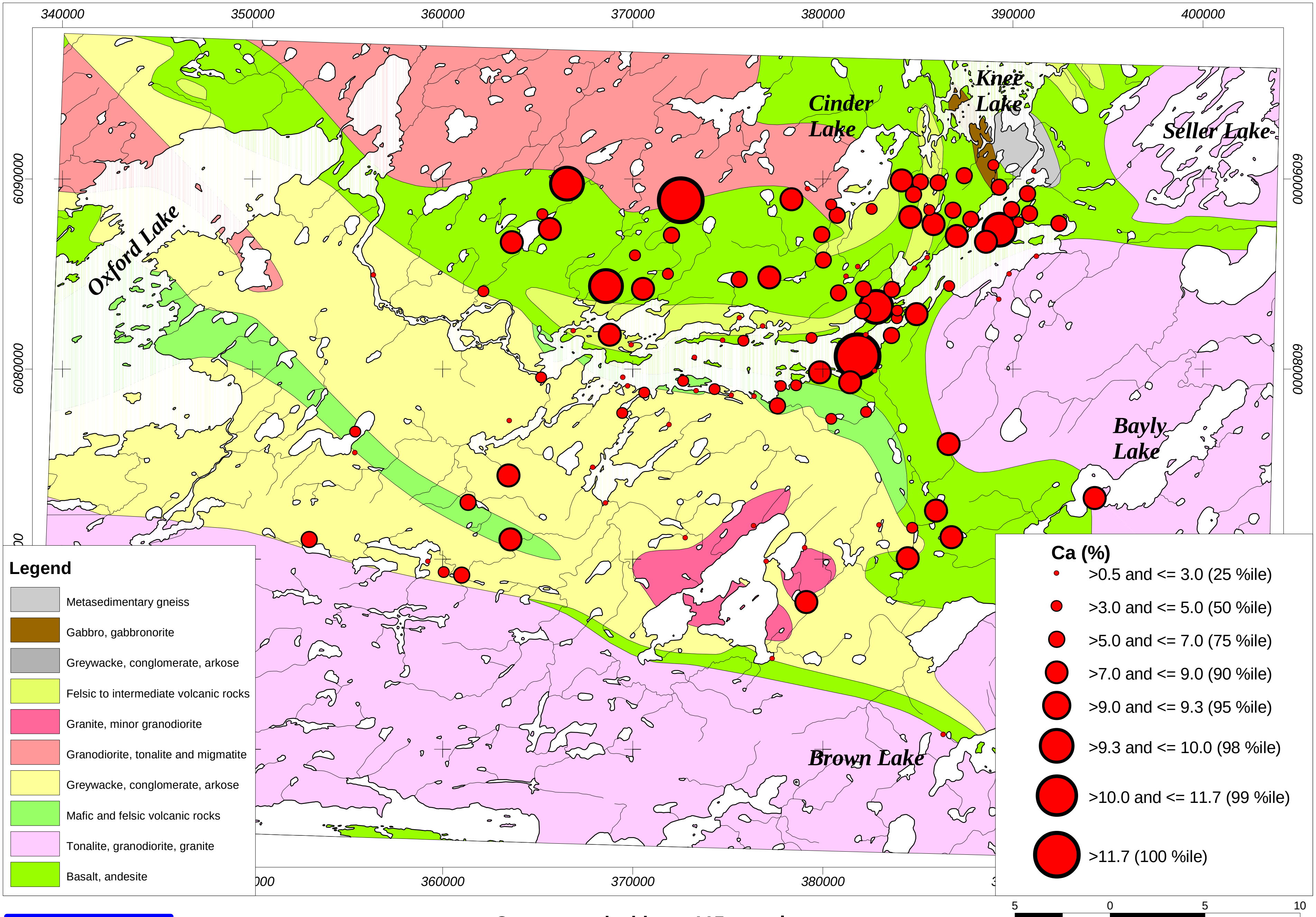
**Outcrop rock chips - 115 samples**
**INAA**

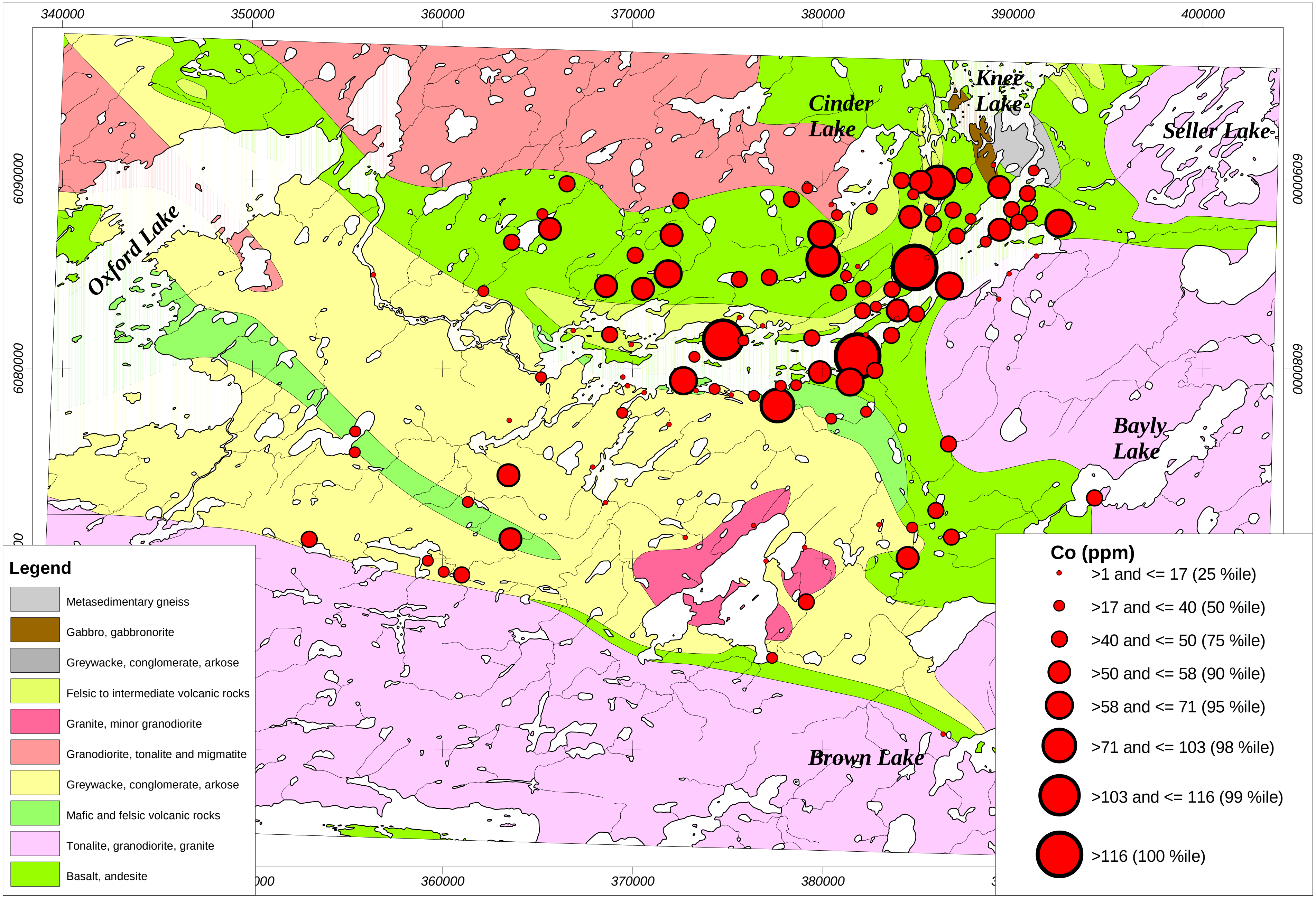
Appendix R-7-4




MENU

**Outcrop rock chips - 115 samples**
**INAA**

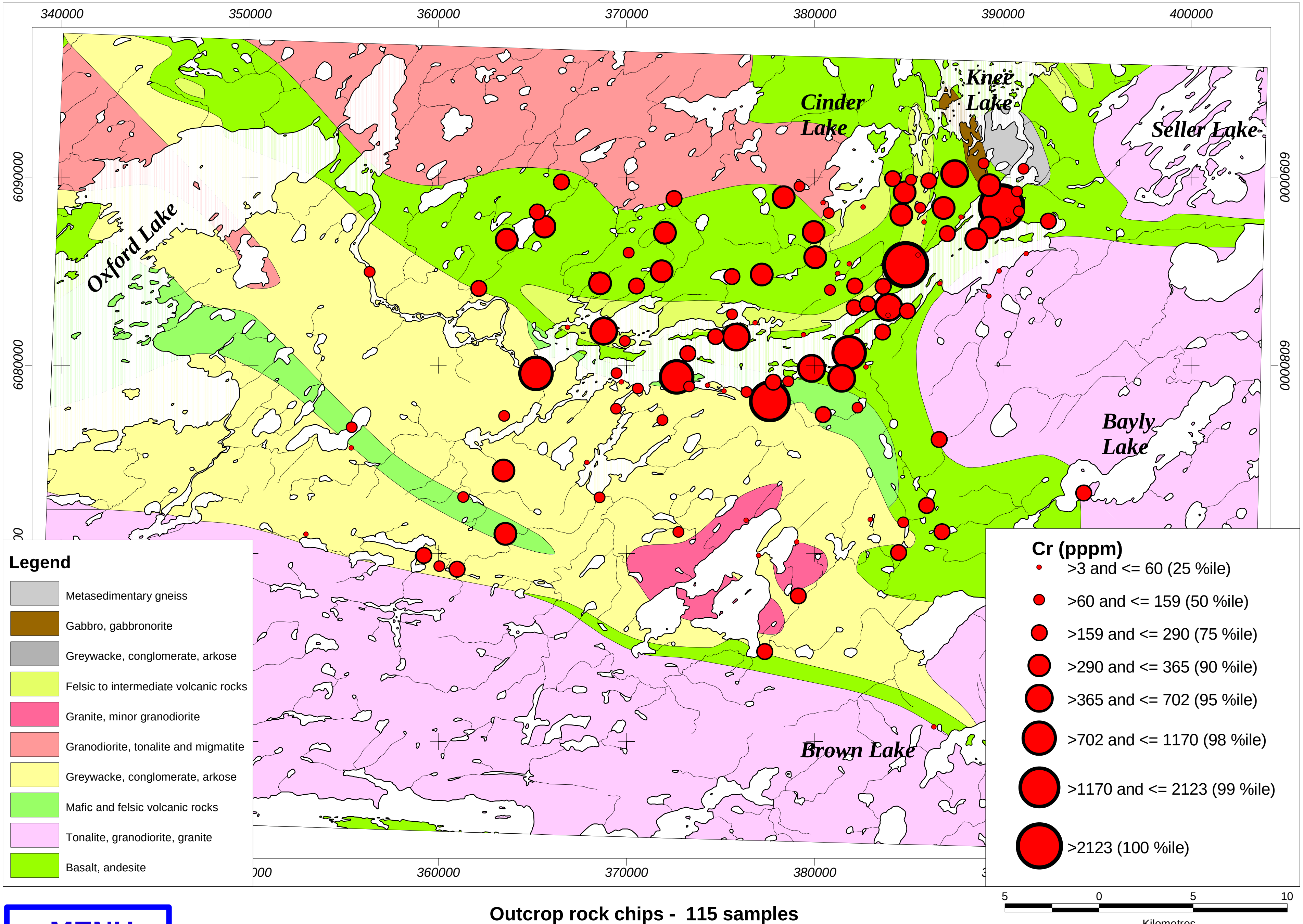
Appendix R-7-5




MENU

**Outcrop rock chips - 115 samples**
**INAA**

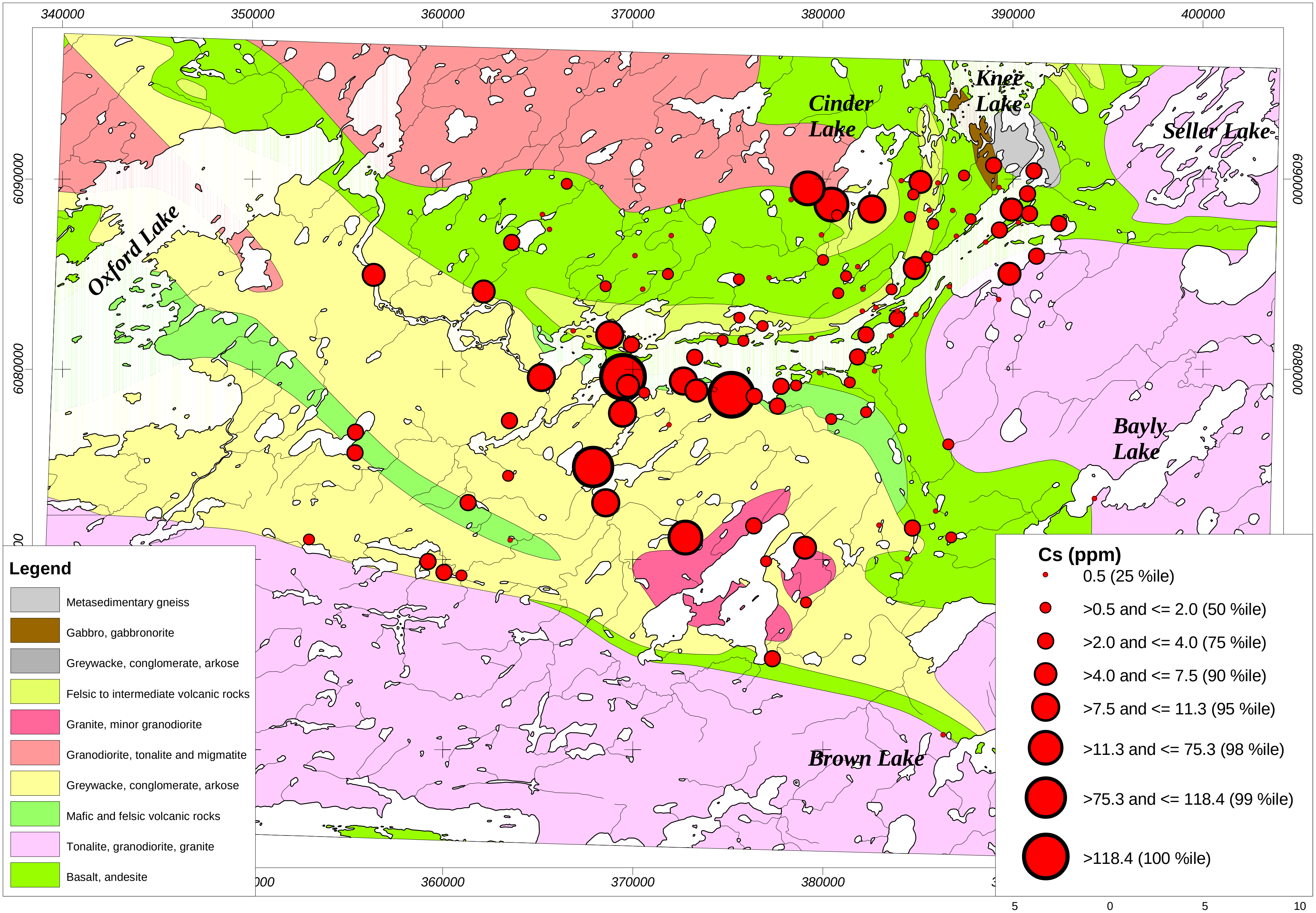
Appendix R-7-6




MENU

**Outcrop rock chips - 115 samples**
**INAA**

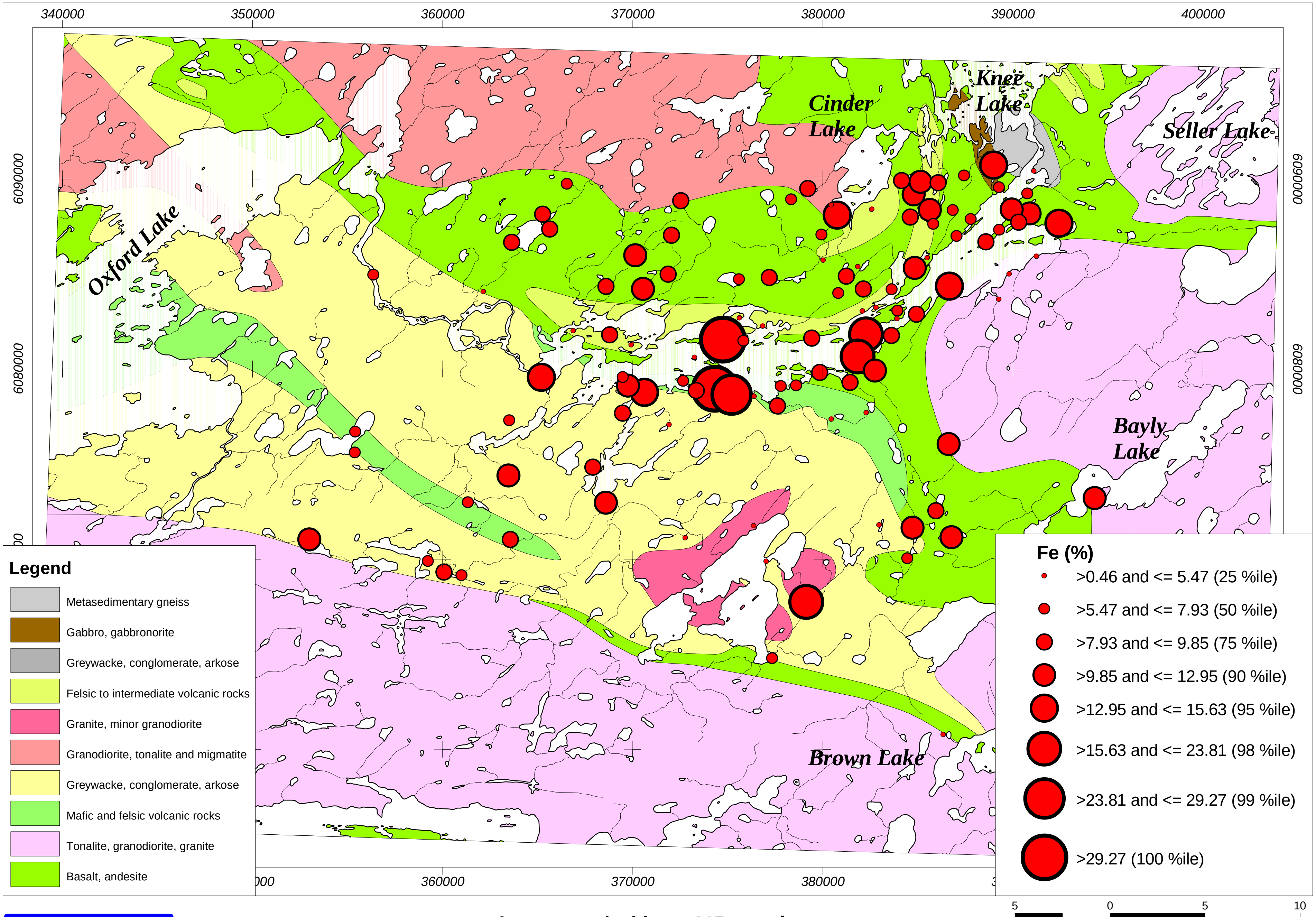
Appendix R-7-7




MENU

**Outcrop rock chips - 115 samples**
**INAA**

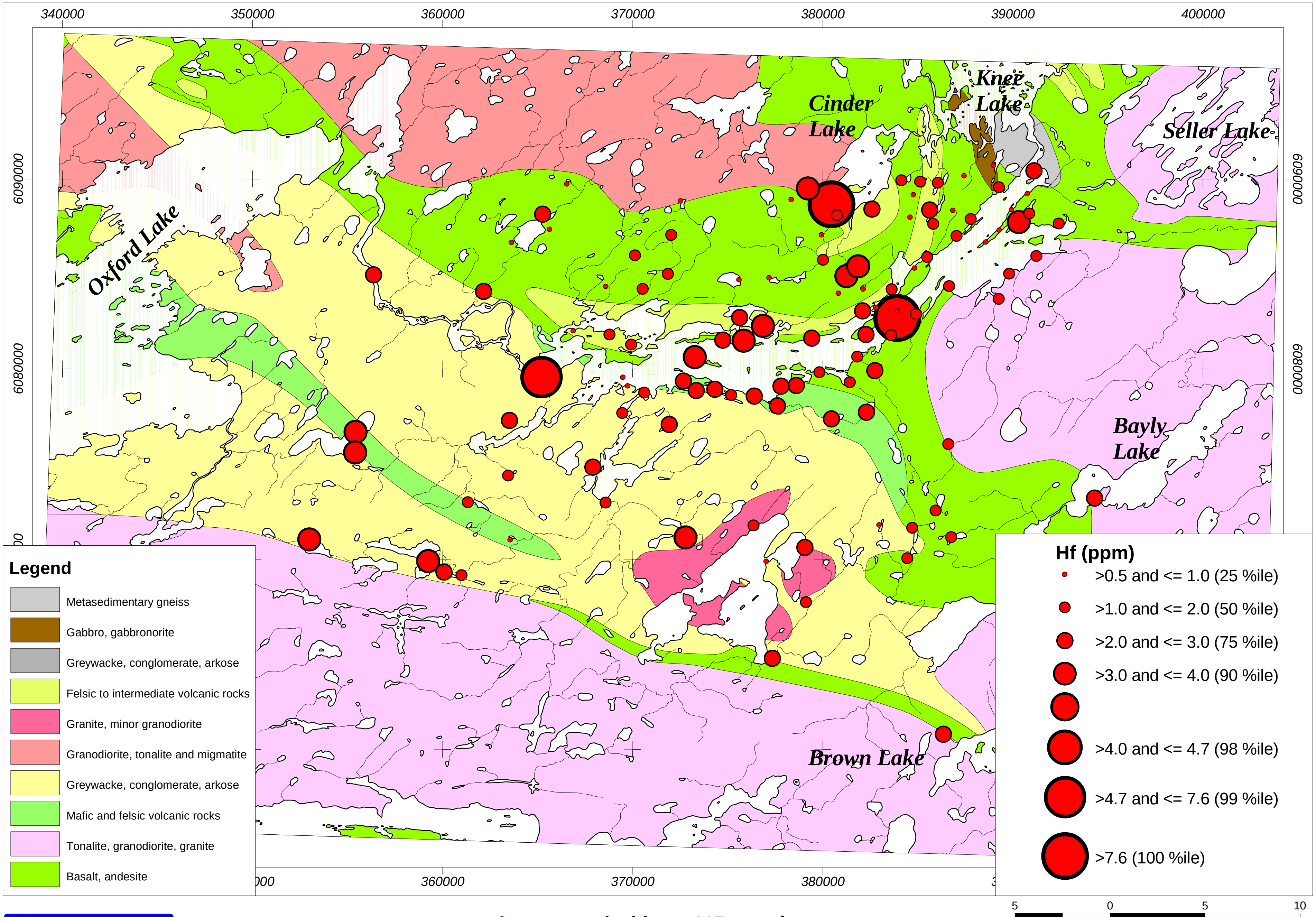
Appendix R-7-8




MENU

**Outcrop rock chips - 115 samples**
**INAA**

Appendix R-7-9




**MENU**

**Outcrop rock chips - 115 samples**
**INAA**

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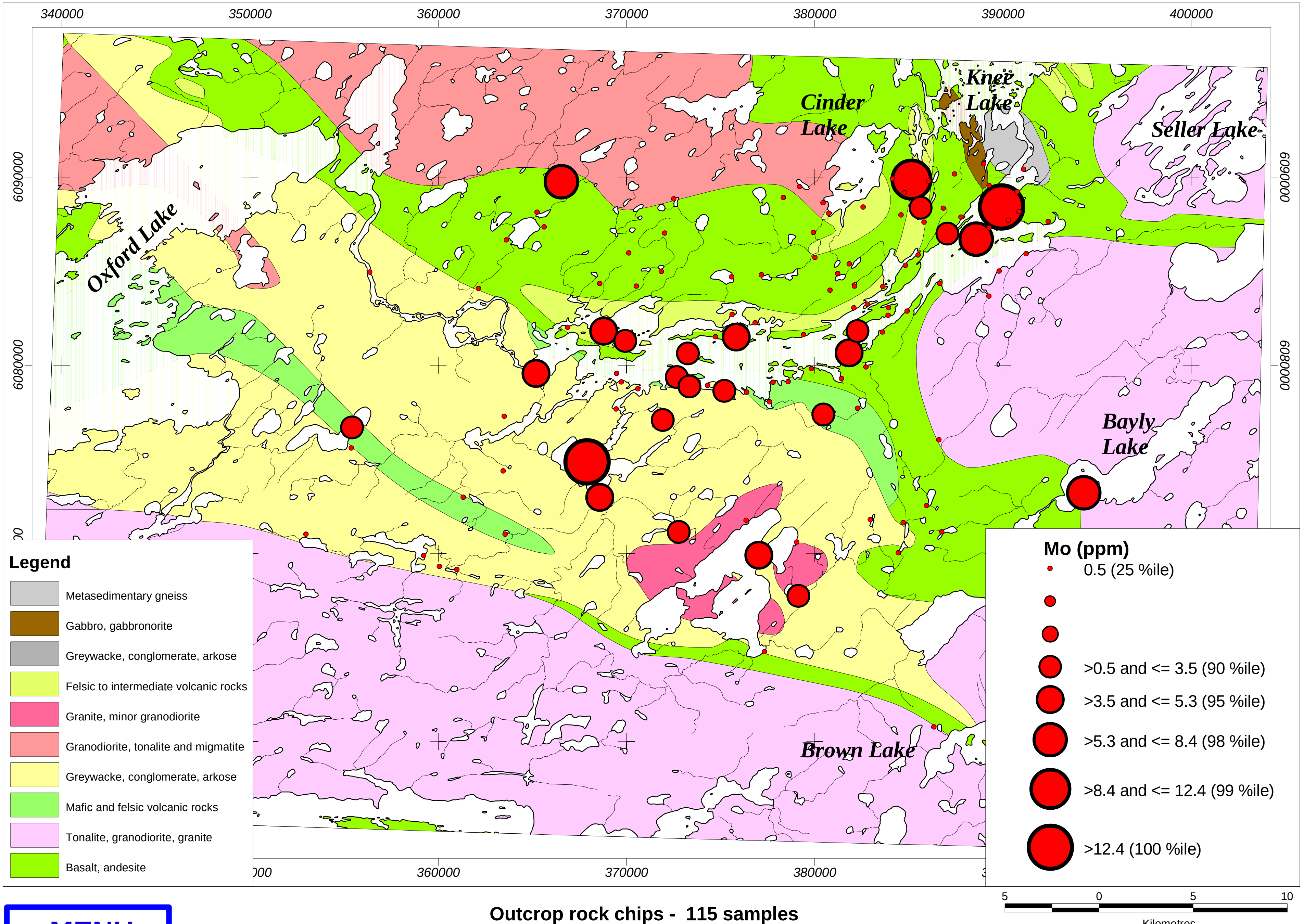


MENU

**Outcrop rock chips - 115 samples**
**INAA**

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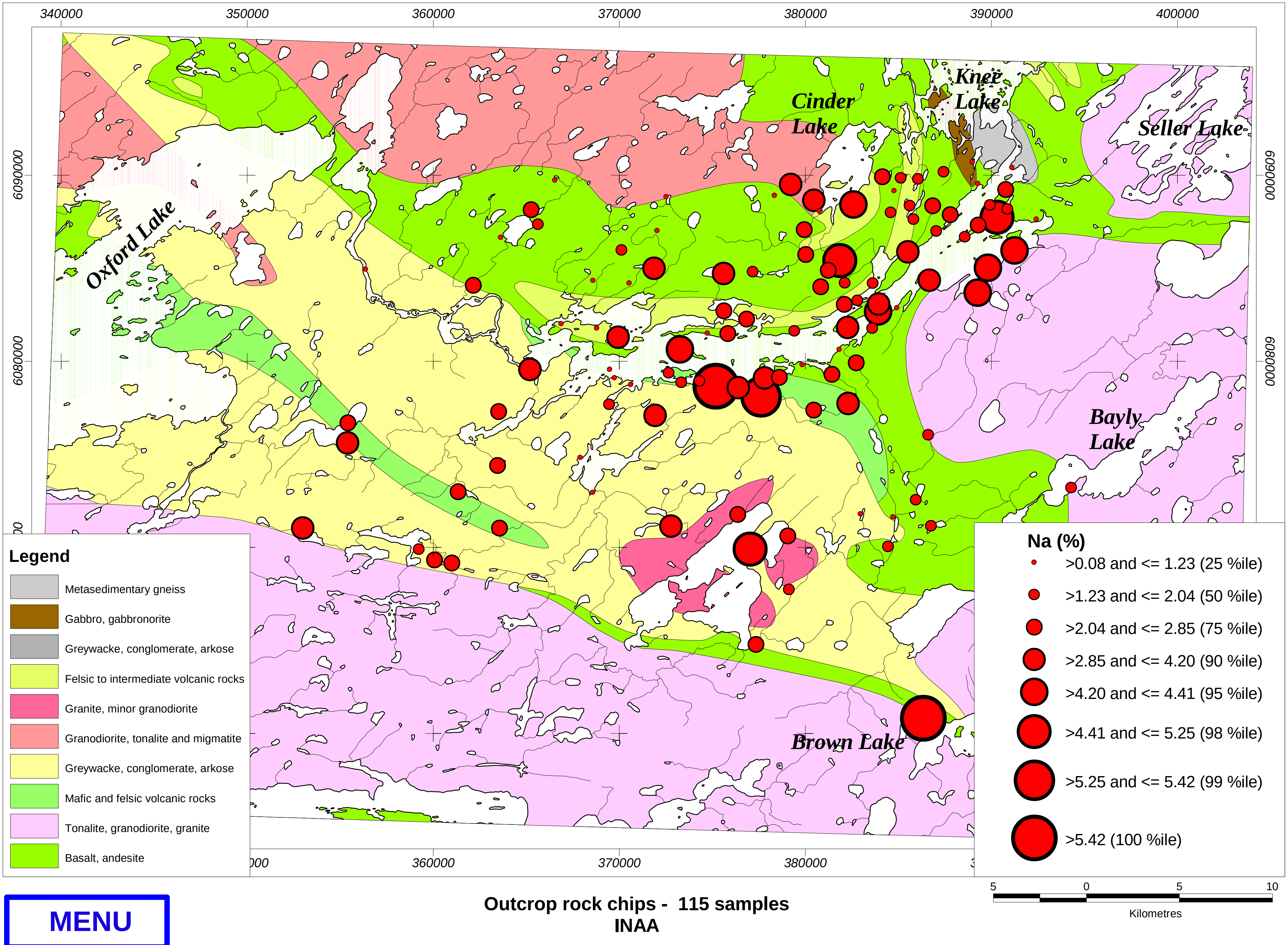
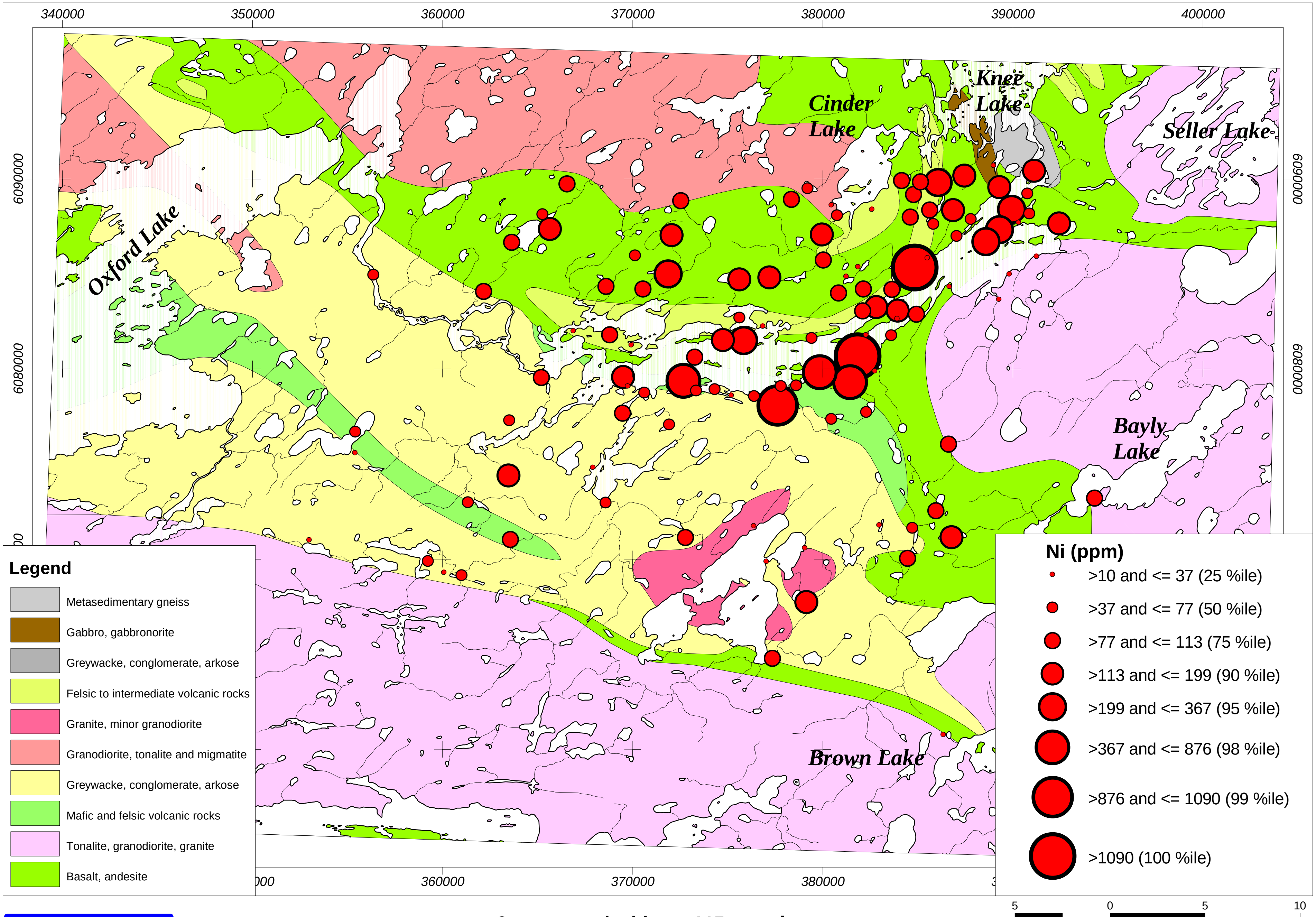



MENU

**Outcrop rock chips - 115 samples**
**INAA**

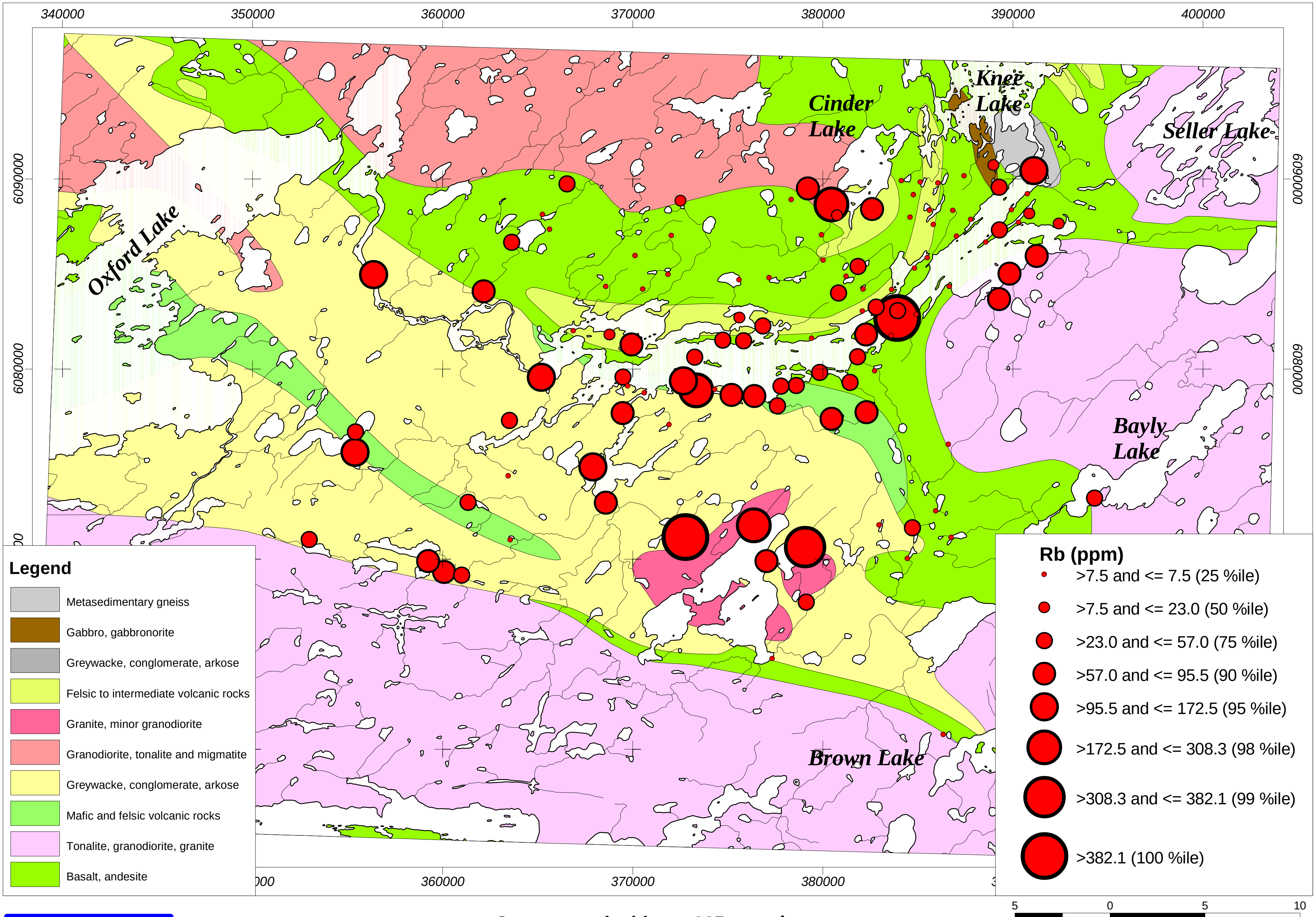
Appendix R-7-12




MENU

**Outcrop rock chips - 115 samples**
**INAA**

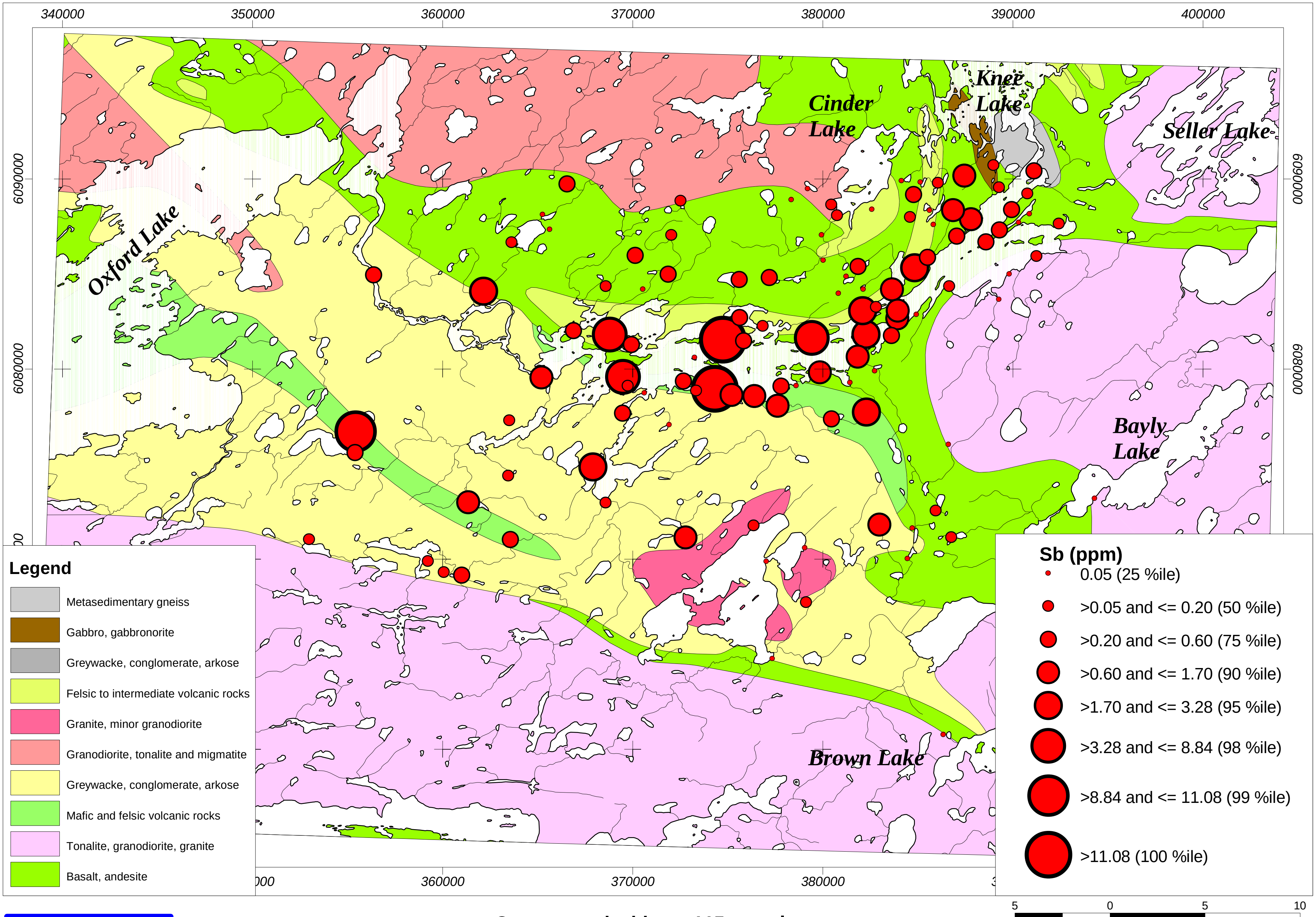
Appendix R-7-13




MENU

**Outcrop rock chips - 115 samples**
**INAA**

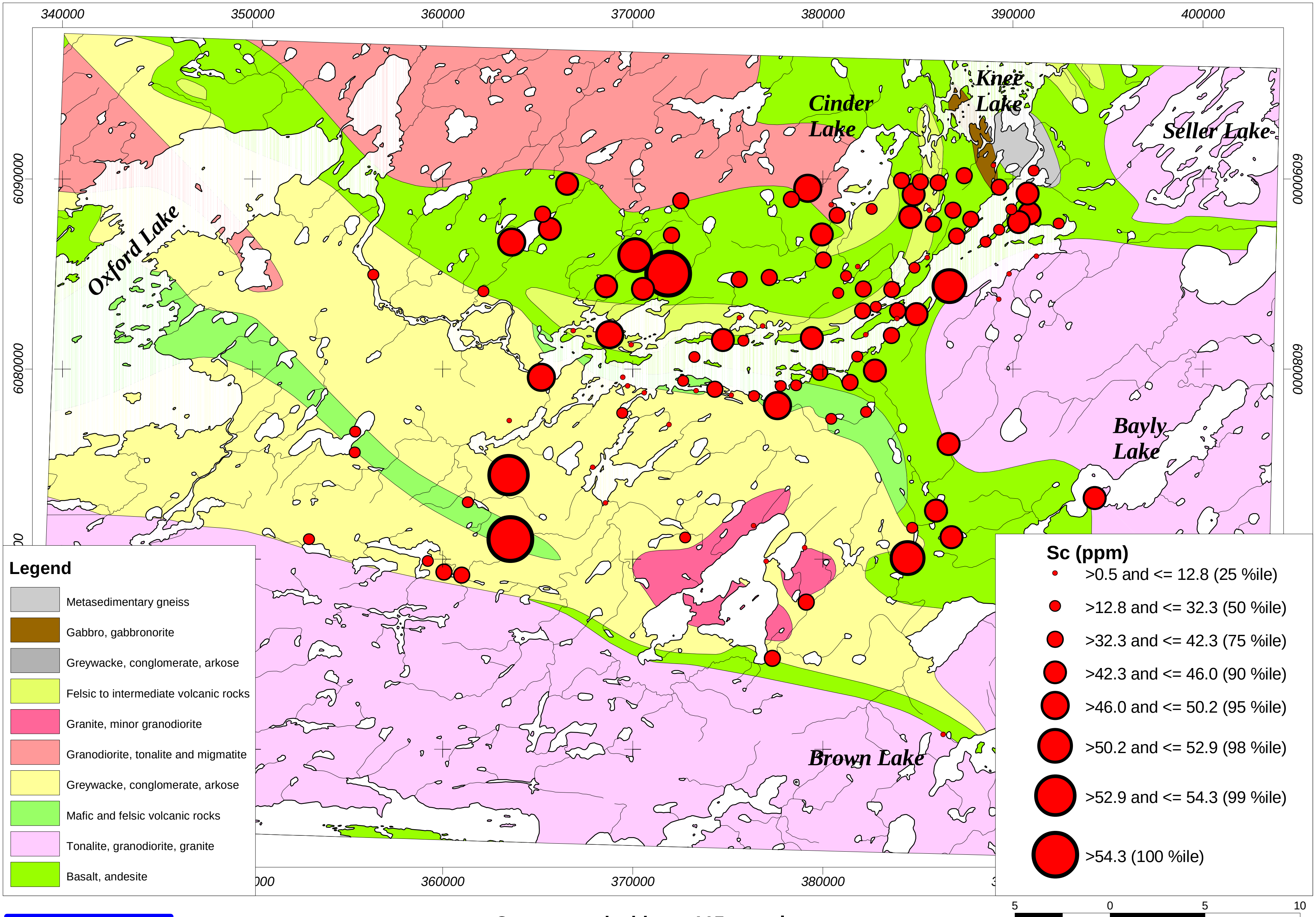
Appendix R-7-14




MENU

**Outcrop rock chips - 115 samples**
**INAA**

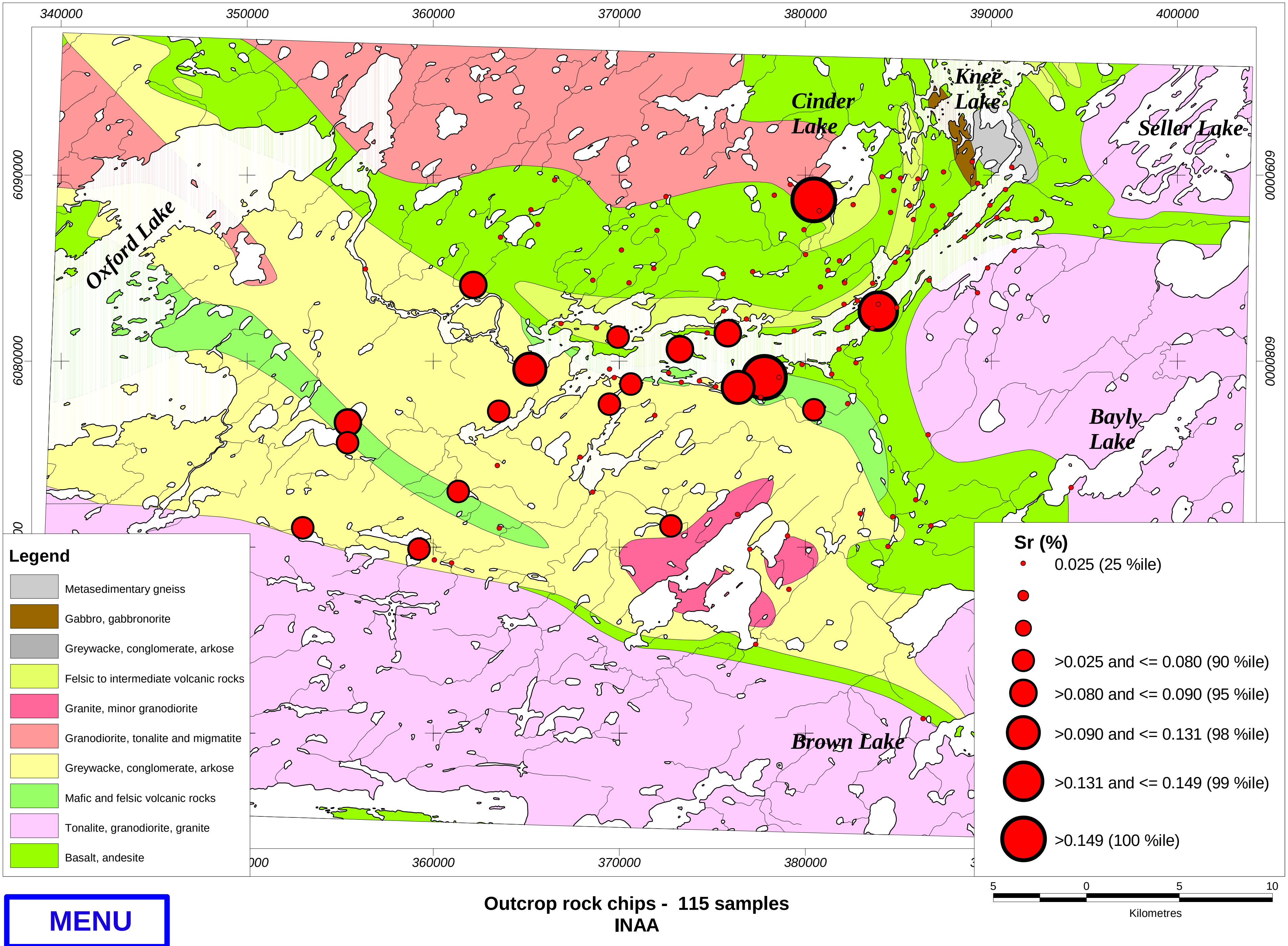
Appendix R-7-15




MENU

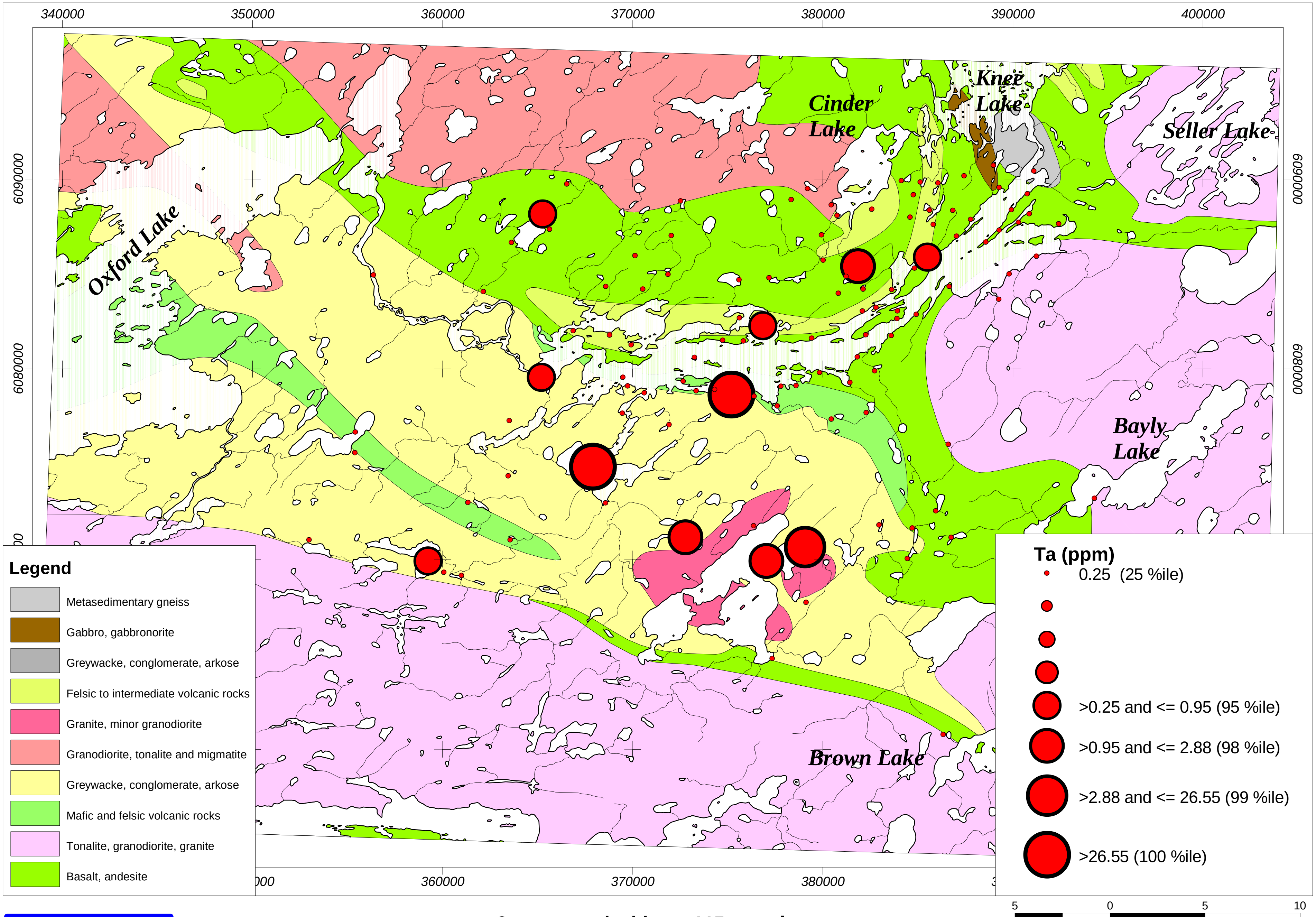
**Outcrop rock chips - 115 samples**
**INAA**

Appendix R-7-16




**Outcrop rock chips - 115 samples**
**INAA**

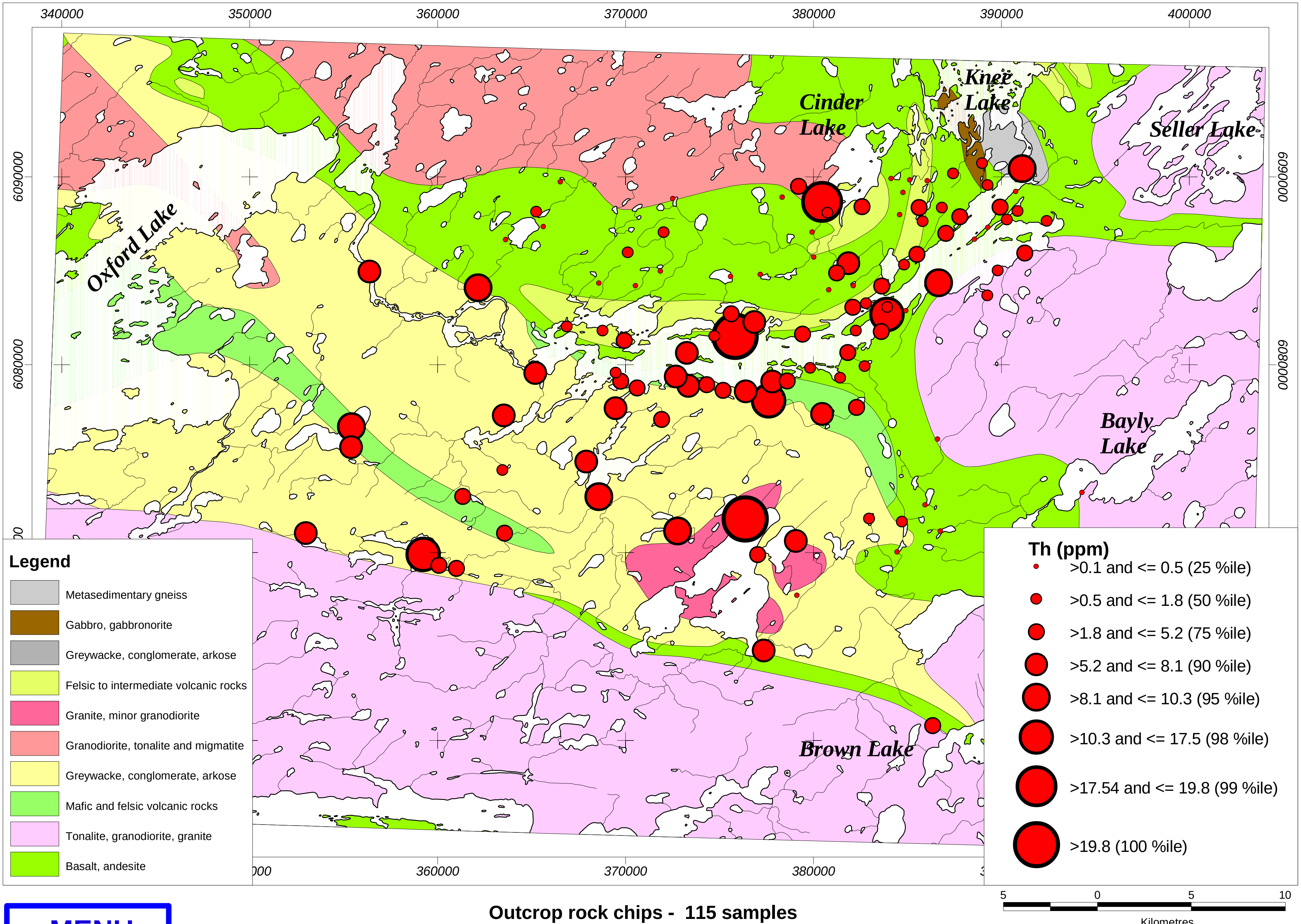
Appendix R-7-17




MENU

**Outcrop rock chips - 115 samples**
**INAA**

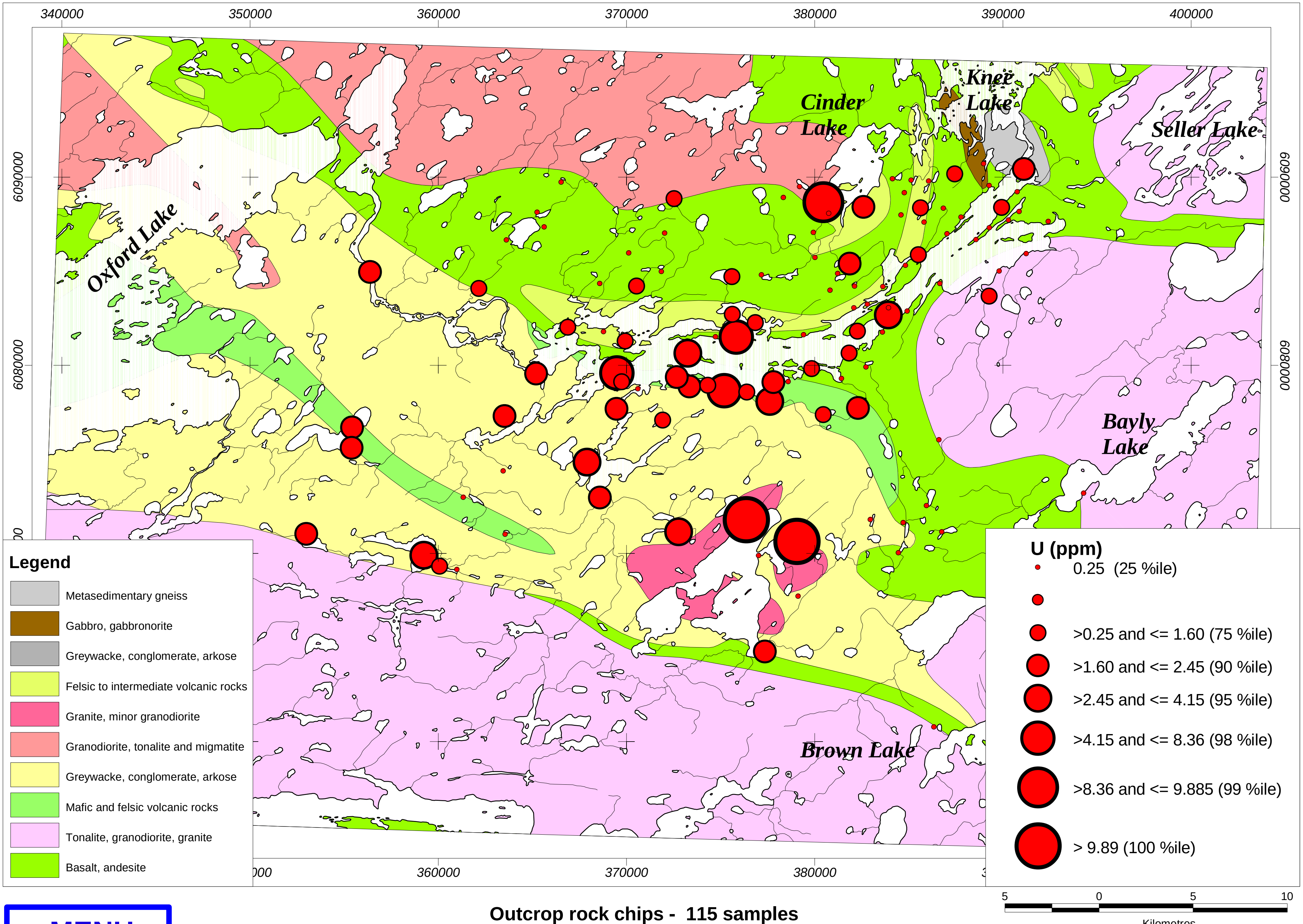
Appendix R-7-18




MENU

**Outcrop rock chips - 115 samples**
**INAA**

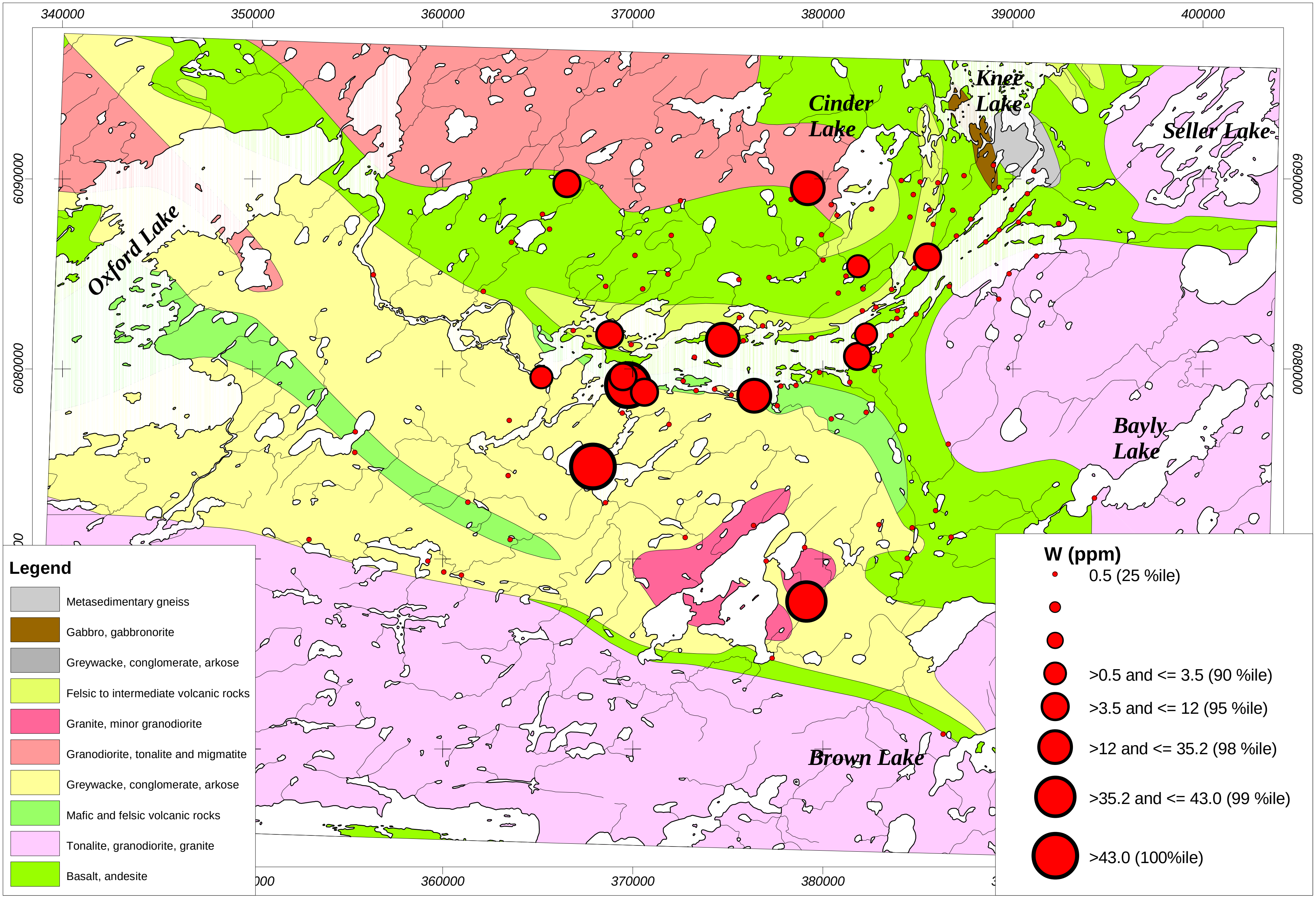
Appendix R-7-19




MENU

**Outcrop rock chips - 115 samples**
**INAA**

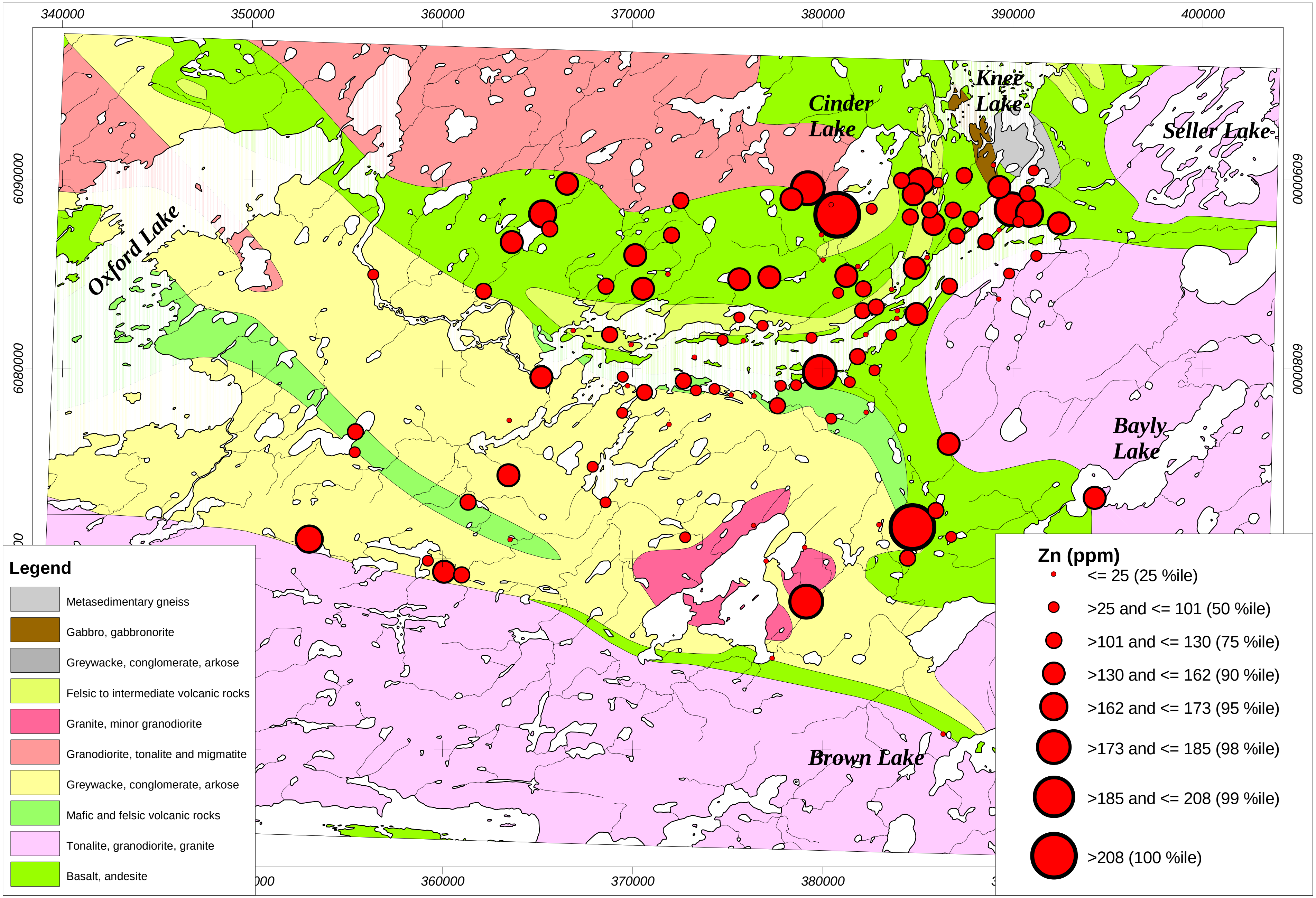
Appendix R-7-20




MENU

**Outcrop rock chips - 115 samples**
**INAA**

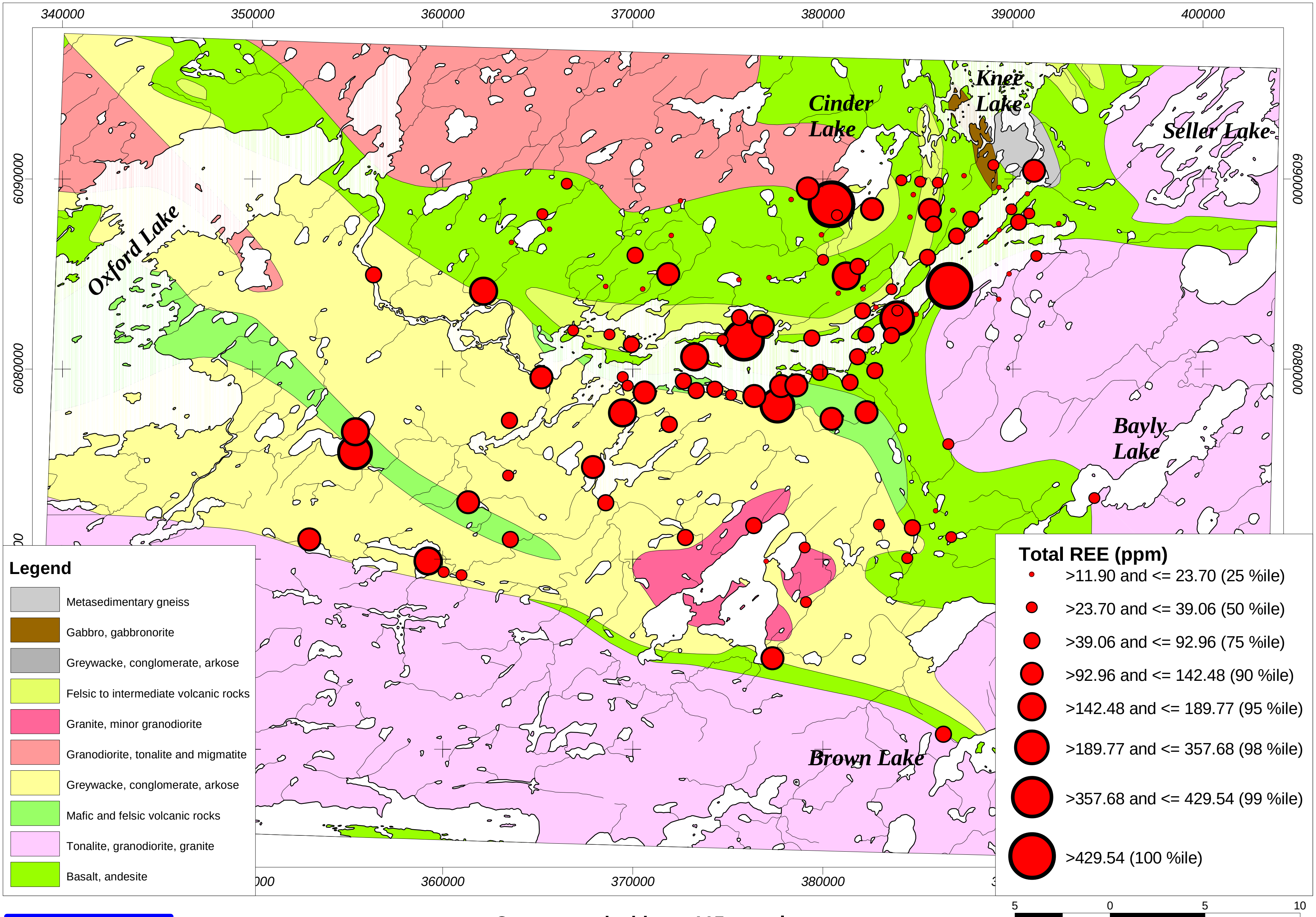
Appendix R-7-21




MENU

**Outcrop rock chips - 115 samples**
**INAA**

Appendix R-7-22




MENU

**Outcrop rock chips - 115 samples**
**INAA**

## TILL GEOCHEMICAL SURVEY

### Methods

#### Field methods

Till samples were collected from hand-dug holes to bedrock, a maximum depth of about one metre or until relatively unoxidized c-horizon till was intersected. Till, or related sediment, was collected at 239 sites. Of the 239 samples collected 13 samples are not classified as till. These include samples 15, 16, 51, 98, 223, 225, 250, 263, 268, 274, 275, 279 and 301. Samples 15, 16, 98, 223, 274, 279 and 301 are sand or sandy gravel of glaciofluvial origin. Samples 225, 263, 268, and 275 are sandy diamictons and may be considered to be of proximal glaciofluvial origins. Sample 250 is glaciolacustrine clay. Sample 51, with almost no carbonate, is not considered to be of glaciogenic origin, but may be modern alluvial sediment or regolith. Alternatively, sample 51 may be the lateral equivalent of similar low carbonate till found in the Webber Lake, Knife Lake, Goose Lake and Echimamish River areas (Fedikow et al. 1999), although this seems unlikely as it is the only sample like it encountered in the area!

Of the 239 pits dug, only 24 terminated on bedrock and in all but 29 cases the till was capped by chocolate-brown, fine-textured, glaciolacustrine clay. Consequently the till samples showed few signs of near surface weathering. Mixing of glaciolacustrine clay and till due to frost action is a common occurrence throughout the area.

#### Laboratory methods

Two size fractions, a <2µm (clay) fraction and a <63µm (silt + clay) fraction, were prepared in the Manitoba Industry, Trade and Mines, Rock Preparation Laboratory. The <2µm fraction was prepared following standard procedures of centrifuging and decanting. The <63µm fraction was prepared by dry sieving on a 63µm stainless steel sieve. The <2µm fraction was analyzed by ICP-AES (34 element suite). In addition arsenic was analyzed by hydride generation and mercury was analyzed by cold vapour. The <63µm fraction was analyzed by INA (Au +34 element suite). The sample preparation techniques and analytical procedures (including the analytical laboratories) are the same as those used in the first three years of this survey (Fedikow et al*.,* 1997, 1998, 1999).

A separate four gram split of the <63µm fraction was submitted to the Geological Survey of Canada for carbonate analysis using the Chittick apparatus. The percent calcite, dolomite and total carbonate, as determined by the Chittick method, are now also available for the 1996, 1997 and 1998 northern Superior till samples (Fedikow and Nielsen, unpublished).

### Results

#### Clay fraction (<2µm)

The results of the analysis on the <2µm fraction are listed in Appendix T-1 and the percentile bubble plots are presented in Appendix T-2. The results of analysis of duplicate samples are listed in Appendix T-3. The elements displayed in the bubble plots are, with minor exceptions, the same as those reported in previous years.

Three samples (28, 34 and 45), collected over volcanic and metasedimentary gneiss near the eastern end of the sampling area have silver values above the detection limits. Site 70, with 418 ppm Cu, has the highest copper levels. Site 15 located just east of Cinder Lake is also anomalous in copper, as is site 261 at the eastern end of McLaughlin Lake. The highest lead value (57 ppm) is from a single sample taken over the greywacke at site 322. Slightly elevated lead values also occur in a multisample anomaly around site 15, east of Cinder Lake, and over the granites, at sites 83, 84 and 85 along the northern margin of the belt. Sites 15 and 16 are also anomalous in zinc, as are sites 261 and 250 located at McLaughlin Lake and near the western end of Knee Lake respectively. Sample 147 is the only sample that is marginally anomalous in molybdenum (10 ppm). Site 297, on Knee Lake, is anomalous in nickel (441 ppm) as is sample 299 just to the north of site 297. Sample 51 shows elevated values of cobalt that are not readily explained by the carbonate concentration. Arsenic levels are high in a multisample anomaly around Michikanes Lake and in a second multisample anomaly coincident with lead and cadmium along the northern boundary of the belt in samples 81, 82, 83, 84, 85, 86 and 105. The trend of the Michikanes Lake anomaly suggests this might be a glacial dispersion train originating near the northeastern end of the lake, although this needs to be confirmed. The highest iron values are found in samples 83 and 85. Sample 16 and associated samples are slightly anomalous in barium, as are samples near the eastern end of Knee Lake and at the south end of Michikanes Lake. Elevated chromium and vanadium levels occur around sample 299, sample 261 at McLaughlin Lake and over the granite at site 85. Sites 15 and 51 are also marginally elevated in chromium and vanadium. Previously mentioned sites east of Cinder Lake (site 15) and along the granite contact (sites 82, 83 and 85) are anomalous in mercury. Site 70 with the highest mercury levels is a single sample anomaly that also shows high copper levels. High aluminum values also occur at site 85 over the granite and at sites 15, 16 and 51. Felsic to intermediate volcanic rocks north of the western end of Knee Lake have slightly elevated strontium levels. A multisample anomaly of strontium coincident with elevated silver values also occurs south of the metasedimentary rocks at the eastern end of Knee Lake. Yttrium is anomalous at site 275 east of Magill Lake and at site 85 and associated samples. Samples 16, 51 east of Cinder Lake are anomalous in gallium, as is sample 85 along the granite contact. Lithium is anomalous in samples 85, as well as in samples 261 near McLaughlin Lake and 250 near the western end of Knee Lake. Sites 16, 85 and 275 are anomalous in scandium, as are samples 66 and 154. Sample 66 is also anomalous in titanium, as are sites 317, 285 and 250. Zirconium values are generally slightly higher over the volcanic rocks except for sites 214, 215, 344, 345 and 346 around Michikanes Lake, which have the highest levels in the region. These high zirconium levels are coincident with high arsenic values. The only high sulphur values are those found at the eastern end of the lake coincident with high silver and strontium levels.

### Silt plus clay fraction (<63µm)

Analytical data (INA) for the silt plus clay fraction is listed in Appendix T-4 and the duplicate analysis are listed in Appendix T-5. The percentile bubble plots are shown in Appendix T-6.

Gold values, in the <63µm fraction, are generally low. Samples collected over volcanic rocks in the northern half of the area have slightly higher gold values than the samples collected over the sedimentary rocks to the south, but the difference is slight. Only samples 150 (27 ppb), 78 (18 ppb) and 292 (15 ppb) can be considered to be marginally anomalous. Multi-sample anomalies of arsenic occur around Michikanes Lake in the silt plus clay fraction (previously noted in the clay fraction). Sites 16 and 18, east of Cinder Lake, are also slightly anomalous in arsenic. Sites 16 and 51 are anomalous in barium. Elevated bromine levels occur in samples 28, 29 and 32 at the eastern end of Knee Lake and south of Mukataysip Lake in samples 228, 229, 230, 233, 234, 235 and 335. Bromine and calcium values are also marginally higher over and around the pluton at Magill Lake. Calcium is high in samples 233, 234, 235 and 335 south of Mukataysip Lake coincident with elevated levels of bromine, cobalt, chromium and cesium. Samples 16 and 51, east of Cinder Lake, also have slightly elevated levels of cobalt. Chromium values are also high in samples 250, 251 and 299 coincident with high levels of cobalt and cesium. Iron concentrations are high south of Mukataysip Lake. Iron levels are also high in samples 15, 16, 18, 51 and 56 east of Cinder Lake. Iron is also high in samples 250, 252 and 299 coincident with elevated levels of cobalt, chromium and cesium. Hafnium is higher over the volcanic rocks in the northern half of the belt, than over the sedimentary rocks in the south, testifying to the presence of a noticeable local component in the till. Nickel is found almost exclusively over volcanic rocks in the northeastern and eastern part of the area; this is a similar distribution to gold. A prominent multisample, multielement anomaly comprising nickel and rubidium is found north of Hawkins Lake at sites 288, 289, 290 and 291. Rubidium is also slightly elevated in several samples south of Mukataysip Lake, in samples 249 and 250, as well as in samples 15, 16 and 51. Scandium and thorium are high in numerous samples south of Mukataysip Lake, east of Cinder Lake and at sites 66, 250, 251 and 299, coincident with numerous other elements. Uranium is generally slightly higher in samples collected over the volcanic rocks in the north than in samples taken over the sedimentary rocks in the south, whereas the reverse is generally true for zinc, which is slightly more common in the samples taken over the sedimentary rocks.

### Carbonate content

The results of carbonate analysis are listed in Appendix T-7 and the percentile bubble plots are shown in Appendix T-8. The carbonate content of the till is an indicator of long distance glacial transport of material from the Hudson Bay Lowland. Clearly a large proportion of the till matrix is allochthonous and was derived from the Paleozoic carbonate bedrock, 180 km to the northeast. The relationship between calcite and dolomite of the till samples is shown in Appendix T-9. Dolomite concentrations vary only slightly between approximately 18 and 28% whereas calcite levels range between 5 and 25%.

Dolomite is concentrated north and south of Knee Lake in several broad, diffuse bands trending approximately 230°, parallel to the regional ice flow. These broad trends are not apparent in the calcite distribution and consequently the patterns in the dolomite are only weakly reproduced in the total carbonate content (calcite + dolomite). Observations during the present field program and mapping by Clarke (1988) indicate that relatively high dolomite concentrations occur in areas of thin, non-drumlinized till. Conversely, samples collected from areas with thick drumlinized till generally have lower dolomite concentrations. These observations suggest different source areas for these two morphologically distinct till units.

## Summary

The relationship between total carbonate, in the <63µm fraction and the geochemistry of the <2µm fraction are listed in Appendix T-10. Most elements are negatively correlated with the total carbonate so that as the carbonate content increases elemental concentrations go down. This indicates the till is diluted with allochthonous carbonate material derived by long distance glacial transport from Hudson Bay. Despite this dilution, regional variations in the composition of the till are evident and several multisample, multielement anomalies occur in the area.

Samples collected over volcanic rocks in the northern part of the area are enriched in Hf, Th and U, in the <63µm fraction, and in Cu, Pb, Zn, Ni, Co, Fe, Mn, Cr, V, Hg, La, Al, Mg and Na, in the <2µm fraction. This suggests a significant local contribution to the composition of the till.

Some or all of samples 15, 16 and 51 collected east of Cinder Lake are anomalous in Cu, Pb, Zn, Co, Cr, V, Al and Ga, in the <2µm fraction, and in As, Ba, Co, Fe and Rb, in the <63µm fraction. However, none of these samples are classified as till and the origin of the anomalies is uncertain. The anomalies are, nevertheless, thought to have been derived locally.

Elevated levels of Ni are found in samples 297 and 299. Sample 299 also has high levels of Co, Cr, V, Fe and Cs. Samples 81, 82, 83, 84, 85, 86 and 105 along the northern boundary of the belt have high levels of Pb, Cd, As and Hg. A prominent As anomaly occurs in samples 214, 215, 344, 345, 346, 348, and 208 around Michikanes Lake. Elevated Br levels occur in samples 28, 29 and 32 at the eastern end of Knee Lake and south of Mukataysip Lake in samples 228, 229, 230, 233, 234, 235 and 335. Sample 250, a glaciolacustrine clay sample, shows high levels of several elements including Zn, Li, Ti, Fe, Rb and Sc, highlighting the need for care when sampling till from pits dug into cryoturbated clay and till, which is common in northeastern Manitoba. Dolomite in the <63µm fraction is associated with thin non-drumlinized till in the northeastern part of the area.

# ICP-AES, Hg (Cold Vapour - AAS) And As (Hydride Generation) Analyses For The <2 Micron Size Fraction Of Till Samples.

| Sample Site | UTM | | Ag | Cu | Pb | Zn | Mo | Ni | Co | Cd | Bi | As | Sb | Fe | Mn | Te | Ba | Cr | V | Sn | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 99T-2 | 379928.11 | 6087059.58 | 0.1 | 66 | 20 | 80 | 1.0 | 35 | 23 | 0.6 | 2.5 | 10.0 | 2.5 | 3.69 | 802 | 5 | 78 | 43 | 35 | 10 | 10 |
| 99T-3 | 380864.52 | 6085155.70 | 0.1 | 39 | 13 | 72 | 0.5 | 35 | 14 | 0.3 | 2.5 | 9.0 | 2.5 | 3.72 | 571 | 5 | 93 | 50 | 38 | 10 | 10 |
| 99T-4 | 385575.87 | 6057998.38 | 0.1 | 29 | 13 | 68 | 1.0 | 36 | 14 | 0.2 | 2.5 | 5.0 | 2.5 | 3.58 | 473 | 5 | 110 | 55 | 41 | 10 | 10 |
| 99T-5 | 386340.97 | 6060776.00 | 0.1 | 29 | 10 | 52 | 1.0 | 28 | 11 | 0.3 | 2.5 | 5.0 | 2.5 | 3.02 | 441 | 5 | 68 | 44 | 34 | 10 | 10 |
| 99T-7 | 380012.55 | 6085720.22 | 0.1 | 51 | 20 | 79 | 2.0 | 40 | 16 | 0.3 | 2.5 | 13.0 | 2.5 | 4.51 | 514 | 5 | 114 | 62 | 53 | 10 | 10 |
| 99T-8 | 381843.70 | 6085393.08 | 0.1 | 48 | 14 | 58 | 1.0 | 32 | 12 | 0.4 | 2.5 | 6.0 | 2.5 | 3.47 | 433 | 5 | 137 | 44 | 35 | 10 | 10 |
| 99T-9 | 381226.37 | 6084881.63 | 0.1 | 38 | 13 | 66 | 0.5 | 34 | 14 | 0.3 | 2.5 | 2.5 | 2.5 | 3.63 | 573 | 5 | 107 | 50 | 42 | 10 | 10 |
| 99T-10 | 380814.98 | 6083990.92 | 0.1 | 30 | 11 | 46 | 1.0 | 26 | 9 | 0.3 | 2.5 | 6.0 | 2.5 | 2.91 | 383 | 5 | 71 | 38 | 29 | 10 | 10 |
| 99T-11 | 382124.73 | 6084199.82 | 0.1 | 35 | 13 | 65 | 0.5 | 34 | 15 | 0.3 | 2.5 | 9.0 | 2.5 | 3.61 | 610 | 5 | 93 | 49 | 41 | 10 | 10 |
| 99T-12 | 384139.45 | 6089907.45 | 0.1 | 30 | 12 | 63 | 1.0 | 32 | 12 | 0.3 | 2.5 | 10.0 | 2.5 | 3.65 | 455 | 5 | 86 | 51 | 42 | 10 | 10 |
| 99T-13 | 385120.09 | 6089836.36 | 0.1 | 38 | 14 | 69 | 1.0 | 37 | 16 | 0.3 | 2.5 | 2.5 | 2.5 | 3.63 | 666 | 5 | 95 | 52 | 40 | 10 | 10 |
| 99T-14 | 386060.67 | 6089790.62 | 0.1 | 42 | 15 | 74 | 2.0 | 36 | 16 | 0.3 | 2.5 | 7.0 | 2.5 | 3.94 | 594 | 5 | 90 | 55 | 45 | 10 | 10 |
| 99T-15 | 385609.68 | 6088356.80 | 0.1 | 231 | 29 | 212 | 0.5 | 42 | 18 | 0.4 | 2.5 | 10.0 | 2.5 | 4.78 | 695 | 5 | 95 | 71 | 62 | 10 | 10 |
| 99T-16 | 386107.09 | 6089134.20 | 0.1 | 37 | 21 | 107 | 0.5 | 37 | 15 | 0.2 | 2.5 | 8.0 | 2.5 | 4.14 | 395 | 5 | 211 | 57 | 63 | 10 | 10 |
| 99T-17 | 386831.55 | 6088342.61 | 0.1 | 37 | 11 | 56 | 2.0 | 27 | 10 | 0.3 | 2.5 | 12.0 | 2.5 | 3.04 | 447 | 5 | 81 | 42 | 35 | 10 | 10 |
| 99T-18 | 384402.98 | 6085799.86 | 0.1 | 42 | 15 | 95 | 0.5 | 42 | 17 | 0.4 | 2.5 | 10.0 | 2.5 | 4.42 | 540 | 5 | 111 | 63 | 51 | 10 | 10 |
| 99T-19 | 383518.94 | 6085591.65 | 0.1 | 29 | 15 | 75 | 1.0 | 35 | 14 | 0.4 | 2.5 | 10.0 | 2.5 | 3.97 | 463 | 5 | 100 | 55 | 47 | 10 | 10 |
| 99T-21-1 Analytical Duplicate | 384823.47 | 6085301.09 | 0.1 | 28 | 11 | 46 | 1.0 | 21 | 9 | 0.3 | 2.5 | 8.0 | 2.5 | 2.54 | 377 | 5 | 62 | 32 | 26 | 10 | 10 |
| 99T-21-2 Analytical Duplicate | 384823.47 | 6085301.09 | 0.1 | 27 | 11 | 53 | 2.0 | 25 | 11 | 0.3 | 2.5 | 8.0 | 2.5 | 2.93 | 391 | 5 | 68 | 42 | 32 | 10 | 10 |
| 99T-25 | 390069.10 | 6090107.94 | 0.1 | 32 | 10 | 60 | 0.5 | 28 | 11 | 0.4 | 2.5 | 2.5 | 2.5 | 3.32 | 477 | 5 | 100 | 45 | 37 | 10 | 10 |
| 99T-26 | 389273.35 | 6089551.83 | 0.1 | 41 | 13 | 53 | 1.0 | 28 | 12 | 0.4 | 2.5 | 8.0 | 2.5 | 2.96 | 543 | 5 | 105 | 39 | 33 | 10 | 10 |
| 99T-27 | 388381.58 | 6088845.50 | 0.1 | 40 | 19 | 78 | 0.5 | 47 | 18 | 0.3 | 2.5 | 8.0 | 2.5 | 4.50 | 532 | 5 | 125 | 70 | 53 | 10 | 10 |
| 99T-28 | 391096.14 | 6090415.34 | 0.4 | 21 | 5 | 15 | 0.5 | 8 | 3 | 0.2 | 2.5 | 2.5 | 2.5 | 1.05 | 137 | 5 | 75 | 13 | 7 | 10 | 10 |
| 99T-29 | 390765.20 | 6089215.18 | 0.1 | 80 | 12 | 68 | 0.5 | 40 | 13 | 0.2 | 2.5 | 2.5 | 2.5 | 3.99 | 360 | 5 | 90 | 63 | 48 | 10 | 10 |
| 99T-30 | 389922.08 | 6088381.30 | 0.1 | 28 | 9 | 45 | 1.0 | 25 | 8 | 0.2 | 2.5 | 2.5 | 2.5 | 2.64 | 307 | 5 | 75 | 37 | 29 | 10 | 10 |
| 99T-31 | 387776.64 | 6087871.04 | 0.1 | 19 | 10 | 42 | 1.0 | 20 | 8 | 0.3 | 2.5 | 6.0 | 2.5 | 2.51 | 351 | 5 | 69 | 33 | 28 | 10 | 10 |
| 99T-32 | 389281.25 | 6087309.72 | 0.1 | 36 | 7 | 33 | 2.0 | 21 | 9 | 0.3 | 2.5 | 2.5 | 2.5 | 2.48 | 336 | 5 | 55 | 37 | 21 | 10 | 10 |
| 99T-33 | 387035.08 | 6086978.20 | 0.1 | 35 | 12 | 69 | 0.5 | 35 | 14 | 0.1 | 2.5 | 7.0 | 2.5 | 3.69 | 519 | 5 | 83 | 53 | 46 | 10 | 10 |
| 99T-34 | 388567.46 | 6086677.37 | 0.2 | 16 | 9 | 32 | 0.5 | 16 | 7 | 0.3 | 2.5 | 2.5 | 2.5 | 1.74 | 325 | 5 | 58 | 24 | 19 | 10 | 10 |
| 99T-35 | 390865.79 | 6088176.15 | 0.1 | 21 | 9 | 38 | 1.0 | 19 | 7 | 0.3 | 2.5 | 2.5 | 2.5 | 2.15 | 309 | 5 | 71 | 28 | 23 | 10 | 10 |
| 99T-36 | 390299.61 | 6087715.51 | 0.1 | 29 | 9 | 44 | 1.0 | 21 | 9 | 0.3 | 2.5 | 2.5 | 2.5 | 2.44 | 384 | 5 | 94 | 32 | 27 | 10 | 10 |
| 99T-39 | 392898.97 | 6086971.53 | 0.1 | 30 | 13 | 48 | 2.0 | 27 | 11 | 0.2 | 2.5 | 7.0 | 2.5 | 2.90 | 430 | 5 | 77 | 37 | 31 | 10 | 10 |
| 99T-40 | 392559.91 | 6086340.04 | 0.1 | 41 | 13 | 83 | 1.0 | 41 | 17 | 0.2 | 2.5 | 10.0 | 2.5 | 4.00 | 543 | 5 | 106 | 60 | 48 | 10 | 10 |
| 99T-41-1 Analytical Duplicate | 391167.56 | 6086589.75 | 0.1 | 39 | 12 | 67 | 0.5 | 31 | 13 | 0.3 | 2.5 | 8.0 | 2.5 | 3.42 | 552 | 5 | 95 | 47 | 42 | 10 | 10 |
| 99T-41-2 Analytical Duplicate | 391167.56 | 6086589.75 | 0.1 | 35 | 14 | 67 | 0.5 | 32 | 13 | 0.3 | 2.5 | 9.0 | 2.5 | 3.40 | 556 | 5 | 92 | 47 | 41 | 10 | 10 |
| 99T-42 | 391238.39 | 6085940.29 | 0.1 | 37 | 12 | 80 | 0.5 | 42 | 15 | 0.1 | 2.5 | 2.5 | 2.5 | 4.36 | 451 | 5 | 120 | 70 | 55 | 10 | 10 |
| 99T-43 | 389804.68 | 6084999.49 | 0.1 | 34 | 17 | 69 | 0.5 | 38 | 15 | 0.1 | 2.5 | 10.0 | 2.5 | 4.04 | 534 | 5 | 81 | 60 | 48 | 10 | 10 |
| 99T-44 | 389261.00 | 6083667.72 | 0.1 | 36 | 12 | 66 | 0.5 | 31 | 13 | 0.5 | 2.5 | 9.0 | 2.5 | 3.46 | 561 | 5 | 92 | 47 | 40 | 10 | 10 |
| 99T-45 | 386653.33 | 6084343.11 | 0.5 | 12 | 5 | 23 | 1.0 | 12 | 4 | 0.3 | 2.5 | 2.5 | 2.5 | 1.39 | 231 | 5 | 54 | 19 | 15 | 10 | 10 |
| 99T-46 | 385883.41 | 6083393.71 | 0.1 | 31 | 11 | 45 | 2.0 | 23 | 9 | 0.4 | 2.5 | 5.0 | 2.5 | 2.65 | 423 | 5 | 95 | 36 | 27 | 10 | 10 |
| 99T-47 | 384919.22 | 6082875.51 | 0.1 | 46 | 15 | 84 | 2.0 | 39 | 16 | 0.5 | 2.5 | 11.0 | 2.5 | 4.18 | 687 | 5 | 104 | 57 | 46 | 10 | 10 |
| 99T-49 | 388981.01 | 6090705.90 | 0.1 | 28 | 10 | 49 | 1.0 | 26 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.70 | 486 | 5 | 79 | 37 | 30 | 10 | 10 |
| 99T-50 | 387427.39 | 6090166.15 | 0.1 | 38 | 13 | 75 | 1.0 | 36 | 14 | 0.1 | 2.5 | 12.0 | 2.5 | 3.69 | 429 | 5 | 84 | 52 | 48 | 10 | 10 |
| 99T-51 | 385816.88 | 6087616.81 | 0.1 | 109 | 18 | 69 | 0.5 | 80 | 34 | 0.1 | 2.5 | 10.0 | 2.5 | 4.62 | 279 | 5 | 118 | 80 | 68 | 10 | 10 |
| 99T-52 | 382575.20 | 6088407.01 | 0.1 | 36 | 11 | 56 | 1.0 | 29 | 12 | 0.2 | 2.5 | 10.0 | 2.5 | 3.21 | 421 | 5 | 61 | 44 | 36 | 10 | 10 |
| 99T-53 | 381611.17 | 6087984.39 | 0.1 | 43 | 16 | 68 | 0.5 | 43 | 14 | 0.3 | 2.5 | 8.0 | 2.5 | 3.82 | 462 | 5 | 88 | 52 | 44 | 10 | 10 |
| 99T-54 | 380446.70 | 6088630.40 | 0.1 | 25 | 13 | 51 | 1.0 | 26 | 10 | 0.3 | 2.5 | 8.0 | 2.5 | 2.80 | 441 | 5 | 91 | 38 | 32 | 10 | 10 |

| Sample Site | UTM | | Ag | Cu | Pb | Zn | Mo | Ni | Co | Cd | Bi | As | Sb | Fe | Mn | Te | Ba | Cr | V | Sn | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 99T-55 | 384763.43 | 6089168.41 | 0.1 | 37 | 13 | 68 | 1.0 | 32 | 14 | 0.4 | 2.5 | 6.0 | 2.5 | 3.50 | 588 | 5 | 87 | 46 | 39 | 10 | 10 |
| 99T-56 | 384593.57 | 6087985.36 | 0.1 | 47 | 16 | 81 | 0.5 | 41 | 17 | 0.2 | 2.5 | 2.5 | 2.5 | 4.47 | 522 | 5 | 119 | 66 | 58 | 10 | 10 |
| 99T-57 | 380747.02 | 6088073.86 | 0.1 | 38 | 13 | 68 | 0.5 | 36 | 14 | 0.2 | 2.5 | 6.0 | 2.5 | 3.88 | 551 | 5 | 86 | 55 | 48 | 10 | 10 |
| 99T-59 | 376870.52 | 6089445.37 | 0.1 | 45 | 15 | 77 | 1.0 | 36 | 13 | 0.3 | 2.5 | 7.0 | 2.5 | 4.15 | 403 | 5 | 99 | 52 | 47 | 10 | 10 |
| 99T-63 | 371851.38 | 6084985.15 | 0.1 | 54 | 16 | 73 | 1.0 | 36 | 18 | 0.1 | 2.5 | 12.0 | 2.5 | 3.83 | 631 | 5 | 104 | 49 | 44 | 10 | 10 |
| 99T-64 | 370818.75 | 6084894.62 | 0.1 | 38 | 15 | 62 | 0.5 | 31 | 14 | 0.4 | 2.5 | 10.0 | 2.5 | 3.52 | 550 | 5 | 94 | 48 | 41 | 10 | 10 |
| 99T-65 | 371421.23 | 6083690.52 | 0.1 | 42 | 14 | 72 | 0.5 | 35 | 16 | 0.4 | 2.5 | 12.0 | 2.5 | 3.70 | 623 | 5 | 95 | 50 | 41 | 10 | 10 |
| 99T-66 | 370239.75 | 6083375.40 | 0.1 | 31 | 21 | 108 | 0.5 | 56 | 24 | 0.2 | 2.5 | 2.5 | 2.5 | 5.40 | 524 | 5 | 151 | 86 | 69 | 10 | 10 |
| 99T-67 | 369512.90 | 6082951.85 | 0.1 | 41 | 14 | 70 | 0.5 | 35 | 15 | 0.3 | 2.5 | 6.0 | 2.5 | 3.79 | 583 | 5 | 87 | 51 | 45 | 10 | 10 |
| 99T-68 | 378482.32 | 6086547.36 | 0.1 | 32 | 14 | 56 | 0.5 | 28 | 13 | 0.3 | 2.5 | 7.0 | 2.5 | 3.35 | 492 | 5 | 74 | 42 | 39 | 10 | 10 |
| 99T-69 | 378901.57 | 6085104.21 | 0.1 | 30 | 12 | 61 | 0.5 | 32 | 13 | 0.3 | 2.5 | 8.0 | 2.5 | 3.35 | 578 | 5 | 86 | 49 | 42 | 10 | 10 |
| 99T-70 | 377176.25 | 6084802.55 | 0.1 | 418 | 7 | 47 | 1.0 | 64 | 12 | 0.4 | 2.5 | 2.5 | 2.5 | 2.91 | 283 | 5 | 54 | 46 | 25 | 10 | 10 |
| 99T-71 | 375594.28 | 6084702.04 | 0.1 | 41 | 14 | 67 | 1.0 | 32 | 15 | 0.4 | 2.5 | 10.0 | 2.5 | 3.43 | 633 | 5 | 86 | 44 | 38 | 10 | 10 |
| 99T-73-1 Analytical Duplicate | 370656.16 | 6087109.32 | 0.1 | 55 | 15 | 71 | 0.5 | 40 | 15 | 0.3 | 2.5 | 13.0 | 2.5 | 4.37 | 457 | 5 | 102 | 60 | 51 | 10 | 10 |
| 99T-73-2 Analytical Duplicate | 370656.16 | 6087109.32 | 0.1 | 51 | 17 | 72 | 1.0 | 39 | 16 | 0.1 | 2.5 | 12.0 | 2.5 | 4.08 | 542 | 5 | 101 | 59 | 49 | 10 | 10 |
| 99T-74 | 368347.58 | 6082970.14 | 0.1 | 36 | 13 | 65 | 0.5 | 32 | 14 | 0.3 | 2.5 | 8.0 | 2.5 | 3.40 | 677 | 5 | 96 | 44 | 37 | 10 | 10 |
| 99T-75 | 367566.14 | 6083452.59 | 0.1 | 44 | 17 | 66 | 2.0 | 43 | 16 | 0.4 | 2.5 | 8.0 | 2.5 | 3.58 | 587 | 5 | 78 | 43 | 37 | 10 | 10 |
| 99T-76 | 366875.73 | 6082011.38 | 0.1 | 40 | 12 | 46 | 1.0 | 25 | 11 | 0.3 | 2.5 | 9.0 | 2.5 | 2.74 | 395 | 5 | 65 | 36 | 30 | 10 | 10 |
| 99T-77 | 366237.10 | 6081599.59 | 0.1 | 31 | 16 | 66 | 0.5 | 30 | 13 | 0.4 | 2.5 | 2.5 | 2.5 | 3.58 | 510 | 5 | 106 | 48 | 42 | 10 | 10 |
| 99T-78 | 368777.48 | 6081793.37 | 0.1 | 18 | 11 | 30 | 0.5 | 16 | 6 | 0.2 | 2.5 | 2.5 | 2.5 | 1.88 | 215 | 5 | 61 | 23 | 18 | 10 | 10 |
| 99T-79 | 369918.79 | 6081283.90 | 0.1 | 28 | 11 | 53 | 2.0 | 26 | 10 | 0.3 | 2.5 | 7.0 | 2.5 | 2.96 | 421 | 5 | 67 | 39 | 32 | 10 | 10 |
| 99T-80 | 371536.33 | 6081711.47 | 0.1 | 39 | 14 | 62 | 0.5 | 30 | 13 | 0.5 | 2.5 | 6.0 | 2.5 | 3.18 | 655 | 5 | 88 | 42 | 32 | 10 | 10 |
| 99T-81 | 370746.10 | 6087688.00 | 0.1 | 32 | 11 | 48 | 1.0 | 29 | 10 | 0.6 | 2.5 | 2.5 | 2.5 | 2.48 | 495 | 5 | 69 | 31 | 22 | 10 | 10 |
| 99T-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 0.1 | 55 | 24 | 78 | 0.5 | 37 | 16 | 0.3 | 2.5 | 11.0 | 2.5 | 4.01 | 652 | 5 | 93 | 50 | 42 | 10 | 10 |
| 99T-82-2 Analytical Duplicate | 372516.50 | 6088851.06 | 0.1 | 58 | 24 | 81 | 2.0 | 38 | 16 | 0.2 | 2.5 | 15.0 | 2.5 | 4.03 | 649 | 5 | 94 | 51 | 43 | 10 | 10 |
| 99T-83 | 372026.99 | 6090288.56 | 0.1 | 64 | 28 | 106 | 1.0 | 46 | 18 | 0.3 | 2.5 | 17.0 | 2.5 | 5.28 | 558 | 5 | 103 | 65 | 53 | 10 | 10 |
| 99T-84 | 370517.90 | 6089778.24 | 0.1 | 47 | 23 | 82 | 1.0 | 42 | 18 | 0.3 | 2.5 | 9.0 | 2.5 | 4.04 | 766 | 5 | 102 | 54 | 44 | 10 | 10 |
| 99T-85 | 370224.45 | 6088963.94 | 0.1 | 39 | 26 | 89 | 0.5 | 55 | 21 | 0.4 | 2.5 | 13.0 | 2.5 | 5.90 | 456 | 5 | 137 | 87 | 77 | 10 | 10 |
| 99T-86 | 370086.72 | 6088310.03 | 0.1 | 39 | 18 | 72 | 2.0 | 32 | 13 | 0.1 | 2.5 | 11.0 | 2.5 | 3.58 | 407 | 5 | 92 | 48 | 42 | 10 | 10 |
| 99T-89 | 359762.87 | 6089860.45 | 0.1 | 29 | 11 | 60 | 0.5 | 26 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 3.14 | 483 | 5 | 97 | 42 | 35 | 10 | 10 |
| 99T-90 | 360419.16 | 6090713.89 | 0.1 | 17 | 10 | 47 | 2.0 | 22 | 9 | 0.4 | 2.5 | 7.0 | 2.5 | 2.36 | 381 | 5 | 57 | 30 | 23 | 10 | 10 |
| 99T-91 | 367854.62 | 6089411.77 | 0.1 | 40 | 16 | 66 | 0.5 | 33 | 14 | 0.3 | 2.5 | 6.0 | 2.5 | 3.65 | 478 | 5 | 85 | 48 | 41 | 10 | 10 |
| 99T-93 | 360817.18 | 6089935.46 | 0.1 | 27 | 12 | 55 | 0.5 | 24 | 9 | 0.4 | 2.5 | 2.5 | 2.5 | 2.73 | 468 | 5 | 81 | 36 | 30 | 10 | 10 |
| 99T-94 | 361334.61 | 6088793.40 | 0.1 | 16 | 8 | 46 | 1.0 | 25 | 9 | 0.4 | 2.5 | 6.0 | 2.5 | 2.59 | 453 | 5 | 60 | 36 | 25 | 10 | 10 |
| 99T-95 | 359548.28 | 6088342.12 | 0.1 | 25 | 11 | 53 | 1.0 | 25 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.83 | 492 | 5 | 72 | 37 | 31 | 10 | 10 |
| 99T-97 | 361670.11 | 6088011.47 | 0.1 | 48 | 16 | 77 | 1.0 | 32 | 15 | 0.4 | 2.5 | 9.0 | 2.5 | 3.90 | 573 | 5 | 95 | 49 | 42 | 10 | 10 |
| 99T-98 | 360997.64 | 6086474.25 | 0.1 | 72 | 21 | 98 | 0.5 | 36 | 21 | 0.3 | 2.5 | 14.0 | 2.5 | 3.95 | 718 | 5 | 85 | 48 | 41 | 10 | 10 |
| 99T-102 | 365042.73 | 6085719.91 | 0.1 | 31 | 14 | 63 | 1.0 | 31 | 13 | 0.1 | 2.5 | 7.0 | 2.5 | 3.46 | 436 | 5 | 72 | 47 | 42 | 10 | 10 |
| 99T-104 | 365252.32 | 6088140.42 | 0.1 | 37 | 12 | 66 | 0.5 | 36 | 17 | 0.3 | 2.5 | 6.0 | 2.5 | 3.63 | 460 | 5 | 89 | 55 | 43 | 10 | 10 |
| 99T-105 | 369243.39 | 6088065.28 | 0.1 | 52 | 18 | 77 | 1.0 | 31 | 16 | 0.5 | 2.5 | 15.0 | 2.5 | 3.71 | 603 | 5 | 80 | 42 | 37 | 10 | 10 |
| 99T-106 | 369259.00 | 6087478.80 | 0.1 | 43 | 15 | 74 | 1.0 | 37 | 14 | 0.3 | 2.5 | 7.0 | 2.5 | 4.05 | 479 | 5 | 93 | 56 | 50 | 10 | 10 |
| 99T-107 | 367342.33 | 6086563.25 | 0.1 | 43 | 15 | 84 | 0.5 | 41 | 17 | 0.3 | 2.5 | 6.0 | 2.5 | 4.41 | 632 | 5 | 99 | 60 | 49 | 10 | 10 |
| 99T-108 | 366150.70 | 6085252.06 | 0.1 | 43 | 16 | 73 | 1.0 | 32 | 15 | 0.4 | 2.5 | 6.0 | 2.5 | 3.67 | 729 | 5 | 88 | 46 | 38 | 10 | 10 |
| 99T-109 | 368585.13 | 6084340.09 | 0.1 | 41 | 15 | 77 | 1.0 | 38 | 16 | 0.4 | 2.5 | 6.0 | 2.5 | 4.14 | 578 | 5 | 100 | 57 | 50 | 10 | 10 |
| 99T-111 | 371414.93 | 6082844.68 | 0.1 | 42 | 13 | 68 | 1.0 | 37 | 17 | 0.5 | 2.5 | 2.5 | 2.5 | 3.59 | 784 | 5 | 78 | 45 | 36 | 10 | 10 |
| 99T-113 | 374372.83 | 6082434.83 | 0.1 | 35 | 13 | 62 | 1.0 | 29 | 12 | 0.4 | 2.5 | 6.0 | 2.5 | 3.32 | 597 | 5 | 73 | 42 | 35 | 10 | 10 |
| 99T-114 | 375612.85 | 6082701.79 | 0.1 | 41 | 11 | 64 | 0.5 | 32 | 14 | 0.4 | 2.5 | 6.0 | 2.5 | 3.43 | 578 | 5 | 91 | 43 | 37 | 10 | 10 |
| 99T-115 | 376837.58 | 6083283.99 | 0.1 | 42 | 13 | 66 | 1.0 | 29 | 13 | 0.4 | 2.5 | 2.5 | 2.5 | 3.49 | 522 | 5 | 80 | 44 | 37 | 10 | 10 |
| 99T-118 | 380435.24 | 6082526.84 | 0.1 | 52 | 13 | 69 | 1.0 | 29 | 14 | 0.3 | 2.5 | 8.0 | 2.5 | 3.32 | 523 | 5 | 72 | 41 | 35 | 10 | 10 |
| 99T-121 | 356420.52 | 6088346.81 | 0.1 | 36 | 14 | 85 | 2.0 | 40 | 14 | 0.4 | 2.5 | 7.0 | 2.5 | 4.11 | 520 | 5 | 97 | 61 | 48 | 10 | 10 |
| 99T-123 | 357174.69 | 6086097.90 | 0.1 | 37 | 12 | 76 | 1.0 | 37 | 15 | 0.4 | 2.5 | 7.0 | 2.5 | 3.89 | 566 | 5 | 104 | 54 | 44 | 10 | 10 |

| Sample Site | UTM | | Ag | Cu | Pb | Zn | Mo | Ni | Co | Cd | Bi | As | Sb | Fe | Mn | Te | Ba | Cr | V | Sn | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 99T-124-1 Analytical Duplicate | 362147.22 | 6090729.66 | 0.1 | 34 | 12 | 63 | 1.0 | 30 | 13 | 0.5 | 2.5 | 2.5 | 2.5 | 3.38 | 560 | 5 | 82 | 45 | 35 | 10 | 10 |
| 99T-124-2 Analytical Duplicate | 362147.22 | 6090729.66 | 0.1 | 32 | 10 | 58 | 1.0 | 30 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 3.18 | 475 | 5 | 87 | 43 | 36 | 10 | 10 |
| 99T-125 | 362574.30 | 6088793.60 | 0.1 | 33 | 11 | 66 | 0.5 | 35 | 14 | 0.3 | 2.5 | 6.0 | 2.5 | 3.57 | 570 | 5 | 102 | 49 | 39 | 10 | 10 |
| 99T-126 | 359632.73 | 6085112.70 | 0.1 | 39 | 14 | 68 | 1.0 | 34 | 15 | 0.4 | 2.5 | 8.0 | 2.5 | 3.47 | 599 | 5 | 83 | 46 | 37 | 10 | 10 |
| 99T-127 | 359088.91 | 6087067.02 | 0.1 | 43 | 14 | 64 | 1.0 | 27 | 12 | 0.6 | 2.5 | 8.0 | 2.5 | 3.18 | 494 | 5 | 75 | 36 | 31 | 10 | 10 |
| 99T-131 | 356359.18 | 6084946.56 | 0.1 | 29 | 11 | 75 | 0.5 | 34 | 13 | 0.3 | 2.5 | 6.0 | 2.5 | 3.63 | 493 | 5 | 83 | 53 | 43 | 10 | 10 |
| 99T-134 | 353845.36 | 6085793.03 | 0.1 | 34 | 11 | 71 | 0.5 | 33 | 12 | 0.4 | 2.5 | 2.5 | 2.5 | 3.56 | 522 | 5 | 102 | 49 | 41 | 10 | 10 |
| 99T-135 | 354883.31 | 6084079.64 | 0.1 | 38 | 13 | 82 | 1.0 | 40 | 16 | 0.4 | 2.5 | 2.5 | 2.5 | 4.13 | 585 | 5 | 102 | 61 | 48 | 10 | 10 |
| 99T-136 | 349567.90 | 6083833.12 | 0.1 | 27 | 11 | 58 | 2.0 | 32 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 3.19 | 484 | 5 | 80 | 45 | 36 | 10 | 10 |
| 99T-139 | 357564.78 | 6084160.24 | 0.1 | 39 | 13 | 68 | 1.0 | 34 | 13 | 0.3 | 2.5 | 11.0 | 2.5 | 3.78 | 412 | 5 | 92 | 52 | 42 | 10 | 10 |
| 99T-140 | 363864.01 | 6082169.82 | 0.1 | 33 | 13 | 72 | 0.5 | 35 | 14 | 0.4 | 2.5 | 2.5 | 2.5 | 3.62 | 569 | 5 | 89 | 52 | 41 | 10 | 10 |
| 99T-142 | 361255.11 | 6081288.51 | 0.1 | 29 | 11 | 63 | 1.0 | 29 | 12 | 0.3 | 2.5 | 2.5 | 2.5 | 3.14 | 419 | 5 | 81 | 41 | 36 | 10 | 10 |
| 99T-145-1 Analytical Duplicate | 365012.13 | 6082425.90 | 0.1 | 47 | 17 | 54 | 0.5 | 33 | 14 | 0.4 | 2.5 | 2.5 | 2.5 | 3.06 | 490 | 5 | 75 | 44 | 32 | 10 | 10 |
| 99T-145-2 Analytical Duplicate | 365012.13 | 6082425.90 | 0.1 | 15 | 5 | 18 | 1.0 | 10 | 5 | 0.1 | 2.5 | 2.5 | 2.5 | 1.16 | 251 | 5 | 24 | 16 | 13 | 10 | 10 |
| 99T-146 | 388300.25 | 6089844.48 | 0.1 | 35 | 10 | 57 | 3.0 | 27 | 13 | 0.3 | 2.5 | 2.5 | 2.5 | 2.92 | 620 | 5 | 70 | 38 | 32 | 10 | 10 |
| 99T-147 | 382347.59 | 6086399.71 | 0.1 | 34 | 15 | 60 | 10.0 | 30 | 14 | 0.3 | 2.5 | 8.0 | 2.5 | 3.27 | 732 | 5 | 77 | 42 | 36 | 10 | 10 |
| 99T-148 | 373091.61 | 6084449.15 | 0.1 | 34 | 12 | 66 | 1.0 | 33 | 14 | 0.1 | 2.5 | 2.5 | 2.5 | 3.57 | 505 | 5 | 88 | 52 | 41 | 10 | 10 |
| 99T-149 | 370525.75 | 6084197.53 | 0.1 | 41 | 11 | 64 | 0.5 | 33 | 14 | 0.2 | 2.5 | 8.0 | 2.5 | 3.71 | 432 | 5 | 98 | 51 | 45 | 10 | 10 |
| 99T-150 | 378340.48 | 6088920.71 | 0.1 | 47 | 16 | 55 | 1.0 | 29 | 13 | 0.4 | 2.5 | 7.0 | 2.5 | 3.05 | 534 | 5 | 79 | 34 | 26 | 10 | 10 |
| 99T-151 | 379171.14 | 6087918.37 | 0.1 | 40 | 16 | 71 | 1.0 | 37 | 14 | 0.3 | 2.5 | 9.0 | 2.5 | 4.08 | 484 | 5 | 109 | 58 | 46 | 10 | 10 |
| 99T-152 | 375414.93 | 6088856.96 | 0.1 | 30 | 13 | 72 | 1.0 | 37 | 14 | 0.3 | 2.5 | 2.5 | 2.5 | 3.72 | 540 | 5 | 108 | 54 | 44 | 10 | 10 |
| 99T-154 | 376668.36 | 6087121.26 | 0.1 | 44 | 16 | 87 | 0.5 | 43 | 16 | 0.3 | 2.5 | 8.0 | 2.5 | 4.54 | 469 | 5 | 110 | 68 | 55 | 10 | 10 |
| 99T-155 | 375877.60 | 6086516.58 | 0.1 | 84 | 30 | 89 | 2.0 | 52 | 21 | 0.5 | 2.5 | 15.0 | 2.5 | 4.77 | 927 | 5 | 107 | 61 | 46 | 10 | 10 |
| 99T-156 | 373995.52 | 6086125.05 | 0.1 | 38 | 13 | 72 | 0.5 | 33 | 14 | 0.4 | 2.5 | 2.5 | 2.5 | 3.54 | 623 | 5 | 94 | 48 | 37 | 10 | 10 |
| 99T-157 | 372027.71 | 6087027.04 | 0.1 | 49 | 13 | 77 | 1.0 | 43 | 15 | 0.2 | 2.5 | 2.5 | 2.5 | 3.99 | 518 | 5 | 102 | 58 | 46 | 10 | 10 |
| 99T-201 | 371334.99 | 6079065.23 | 0.1 | 90 | 21 | 92 | 1.0 | 48 | 20 | 0.3 | 2.5 | 15.0 | 2.5 | 4.86 | 693 | 5 | 118 | 63 | 48 | 10 | 10 |
| 99T-202 | 370612.18 | 6078749.88 | 0.1 | 47 | 19 | 74 | 1.0 | 40 | 16 | 0.3 | 2.5 | 9.0 | 2.5 | 3.36 | 677 | 5 | 76 | 47 | 36 | 10 | 10 |
| 99T-203 | 369733.49 | 6079116.31 | 0.1 | 51 | 15 | 70 | 2.0 | 38 | 18 | 0.3 | 2.5 | 14.0 | 2.5 | 3.31 | 665 | 5 | 60 | 41 | 34 | 10 | 10 |
| 99T-204 | 368745.75 | 6078704.52 | 0.1 | 40 | 16 | 87 | 0.5 | 43 | 17 | 0.3 | 2.5 | 5.0 | 2.5 | 4.19 | 573 | 5 | 90 | 62 | 50 | 10 | 10 |
| 99T-205 | 367736.72 | 6078107.25 | 0.1 | 63 | 21 | 99 | 1.0 | 52 | 22 | 0.3 | 2.5 | 7.0 | 2.5 | 4.44 | 492 | 5 | 98 | 63 | 52 | 10 | 10 |
| 99T-206 | 366185.42 | 6077629.58 | 0.1 | 44 | 14 | 75 | 2.0 | 37 | 18 | 0.4 | 2.5 | 9.0 | 2.5 | 3.85 | 659 | 5 | 87 | 52 | 44 | 10 | 10 |
| 99T-207 | 370205.14 | 6080422.95 | 0.1 | 22 | 11 | 59 | 0.5 | 31 | 11 | 0.3 | 2.5 | 6.0 | 2.5 | 3.26 | 408 | 5 | 75 | 45 | 35 | 10 | 10 |
| 99T-208 | 365599.84 | 6076900.47 | 0.1 | 41 | 13 | 75 | 0.5 | 39 | 16 | 0.2 | 2.5 | 11.0 | 2.5 | 3.94 | 612 | 5 | 92 | 56 | 45 | 10 | 10 |
| 99T-209 | 367275.47 | 6079004.52 | 0.1 | 69 | 16 | 90 | 3.0 | 50 | 20 | 0.3 | 2.5 | 2.5 | 2.5 | 3.84 | 705 | 5 | 68 | 60 | 48 | 10 | 10 |
| 99T-210 | 367991.68 | 6079460.20 | 0.1 | 40 | 14 | 71 | 1.0 | 32 | 14 | 0.2 | 2.5 | 12.0 | 2.5 | 3.45 | 602 | 5 | 78 | 46 | 38 | 10 | 10 |
| 99T-211 | 368856.57 | 6080449.74 | 0.1 | 61 | 16 | 81 | 1.0 | 43 | 18 | 0.3 | 2.5 | 14.0 | 2.5 | 4.23 | 572 | 5 | 92 | 54 | 44 | 10 | 10 |
| 99T-212 | 367569.80 | 6080402.33 | 0.1 | 38 | 14 | 74 | 0.5 | 34 | 15 | 0.4 | 2.5 | 2.5 | 2.5 | 3.53 | 656 | 5 | 86 | 49 | 38 | 10 | 10 |
| 99T-213 | 365183.13 | 6079542.10 | 0.1 | 48 | 18 | 64 | 0.5 | 57 | 15 | 0.3 | 2.5 | 6.0 | 2.5 | 4.36 | 411 | 5 | 150 | 67 | 46 | 10 | 10 |
| 99T-214 | 360603.87 | 6076390.98 | 0.1 | 55 | 9 | 49 | 0.5 | 38 | 13 | 0.5 | 2.5 | 31.0 | 2.5 | 3.06 | 423 | 5 | 185 | 52 | 32 | 10 | 10 |
| 99T-215 | 360976.40 | 6074963.41 | 0.1 | 59 | 21 | 92 | 0.5 | 69 | 26 | 0.4 | 2.5 | 13.0 | 2.5 | 4.82 | 702 | 5 | 131 | 82 | 56 | 10 | 10 |
| 99T-218 | 363444.79 | 6074383.10 | 0.1 | 35 | 12 | 63 | 0.5 | 35 | 13 | 0.4 | 2.5 | 2.5 | 2.5 | 3.64 | 466 | 5 | 95 | 52 | 40 | 10 | 10 |
| 99T-219-1 Analytical Duplicate | 367825.77 | 6068425.98 | 0.1 | 34 | 14 | 69 | 0.5 | 34 | 14 | 0.4 | 2.5 | 7.0 | 2.5 | 3.56 | 537 | 5 | 82 | 51 | 38 | 10 | 10 |
| 99T-219-2 Analytical Duplicate | 367825.77 | 6068425.98 | 0.1 | 37 | 15 | 75 | 0.5 | 38 | 15 | 0.4 | 2.5 | 8.0 | 2.5 | 3.80 | 517 | 5 | 85 | 55 | 40 | 10 | 10 |
| 99T-220 | 368431.98 | 6067452.60 | 0.1 | 29 | 12 | 52 | 0.5 | 29 | 12 | 0.5 | 2.5 | 2.5 | 2.5 | 2.87 | 605 | 5 | 107 | 43 | 31 | 10 | 10 |
| 99T-221 | 360246.41 | 6081552.52 | 0.1 | 33 | 16 | 90 | 1.0 | 46 | 18 | 0.5 | 2.5 | 2.5 | 2.5 | 4.43 | 687 | 5 | 104 | 67 | 47 | 10 | 10 |
| 99T-223 | 355505.67 | 6083205.01 | 0.1 | 39 | 10 | 67 | 1.0 | 27 | 11 | 0.7 | 2.5 | 7.0 | 2.5 | 2.76 | 503 | 5 | 87 | 36 | 27 | 10 | 10 |
| 99T-224 | 350117.78 | 6081716.84 | 0.1 | 27 | 12 | 65 | 0.5 | 35 | 12 | 0.5 | 2.5 | 2.5 | 2.5 | 3.42 | 429 | 5 | 120 | 51 | 38 | 10 | 10 |
| 99T-225 | 350702.40 | 6083206.61 | 0.1 | 49 | 17 | 66 | 1.0 | 25 | 12 | 0.8 | 2.5 | 12.0 | 2.5 | 2.42 | 384 | 5 | 80 | 28 | 20 | 10 | 10 |
| 99T-226 | 354277.47 | 6083205.79 | 0.1 | 20 | 10 | 50 | 0.5 | 27 | 10 | 0.5 | 2.5 | 6.0 | 2.5 | 2.69 | 412 | 5 | 85 | 39 | 27 | 10 | 10 |
| 99T-227 | 355381.59 | 6075600.60 | 0.1 | 24 | 10 | 56 | 0.5 | 30 | 11 | 0.5 | 2.5 | 7.0 | 2.5 | 2.91 | 496 | 5 | 96 | 40 | 31 | 10 | 10 |
| 99T-228 | 353986.25 | 6074843.74 | 0.1 | 33 | 12 | 74 | 0.5 | 38 | 15 | 0.4 | 2.5 | 6.0 | 2.5 | 3.88 | 479 | 5 | 117 | 57 | 43 | 10 | 10 |
| 99T-229 | 353511.14 | 6076295.59 | 0.1 | 29 | 8 | 56 | 0.5 | 32 | 12 | 0.5 | 2.5 | 2.5 | 2.5 | 3.10 | 375 | 5 | 94 | 46 | 33 | 10 | 10 |
| 99T-230-1 Analytical Duplicate | 355405.44 | 6076684.24 | 0.1 | 24 | 12 | 55 | 1.0 | 27 | 10 | 0.5 | 2.5 | 2.5 | 2.5 | 3.01 | 410 | 5 | 94 | 42 | 33 | 10 | 10 |
| 99T-230-2 Analytical Duplicate | 355405.44 | 6076684.24 | 0.1 | 25 | 11 | 55 | 1.0 | 28 | 11 | 0.4 | 2.5 | 2.5 | 2.5 | 3.03 | 428 | 5 | 90 | 41 | 32 | 10 | 10 |
| 99T-233 | 353080.39 | 6072997.78 | 0.1 | 23 | 12 | 66 | 0.5 | 36 | 13 | 0.3 | 2.5 | 2.5 | 2.5 | 3.54 | 410 | 5 | 94 | 52 | 39 | 10 | 10 |
| 99T-234 | 352085.67 | 6071913.45 | 0.1 | 27 | 10 | 66 | 1.0 | 34 | 13 | 0.1 | 2.5 | 6.0 | 2.5 | 3.58 | 442 | 5 | 96 | 53 | 43 | 10 | 10 |

| Sample Site | UTM | | Ag | Cu | Pb | Zn | Mo | Ni | Co | Cd | Bi | As | Sb | Fe | Mn | Te | Ba | Cr | V | Sn | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 99T-235 | 352971.33 | 6071021.91 | 0.1 | 34 | 9 | 54 | 1.0 | 26 | 12 | 0.1 | 2.5 | 9.0 | 2.5 | 2.94 | 336 | 5 | 116 | 44 | 38 | 10 | 10 |
| 99T-236 | 375222.72 | 6068829.48 | 0.1 | 25 | 8 | 46 | 2.0 | 24 | 8 | 0.2 | 2.5 | 6.0 | 2.5 | 2.57 | 373 | 5 | 81 | 35 | 32 | 10 | 10 |
| 99T-237 | 373322.15 | 6067669.32 | 0.1 | 28 | 10 | 57 | 1.0 | 27 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.92 | 496 | 5 | 108 | 43 | 34 | 10 | 10 |
| 99T-238 | 372452.18 | 6069244.38 | 0.1 | 37 | 9 | 74 | 0.5 | 29 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.88 | 495 | 5 | 80 | 44 | 34 | 10 | 10 |
| 99T-239 | 368922.50 | 6069508.74 | 0.1 | 34 | 13 | 70 | 1.0 | 30 | 13 | 0.3 | 2.5 | 7.0 | 2.5 | 3.24 | 532 | 5 | 83 | 47 | 36 | 10 | 10 |
| 99T-240 | 370909.02 | 6070515.51 | 0.1 | 34 | 12 | 63 | 1.0 | 36 | 15 | 0.2 | 2.5 | 11.0 | 2.5 | 3.35 | 593 | 5 | 86 | 56 | 44 | 10 | 10 |
| 99T-241 | 372758.61 | 6071129.61 | 0.1 | 31 | 12 | 72 | 0.5 | 34 | 13 | 0.2 | 2.5 | 2.5 | 2.5 | 3.64 | 424 | 5 | 102 | 54 | 45 | 10 | 10 |
| 99T-242 | 370633.94 | 6066046.81 | 0.1 | 29 | 11 | 62 | 1.0 | 29 | 12 | 0.3 | 2.5 | 8.0 | 2.5 | 3.12 | 535 | 5 | 106 | 46 | 38 | 10 | 10 |
| 99T-243 | 373883.08 | 6066058.33 | 0.1 | 32 | 10 | 70 | 1.0 | 32 | 13 | 0.3 | 2.5 | 6.0 | 2.5 | 3.29 | 574 | 5 | 94 | 48 | 39 | 10 | 10 |
| 99T-245 | 373013.86 | 6074903.92 | 0.1 | 62 | 20 | 90 | 0.5 | 49 | 25 | 0.3 | 2.5 | 7.0 | 2.5 | 4.43 | 1098 | 5 | 103 | 62 | 50 | 10 | 10 |
| 99T-246 | 375209.93 | 6072610.07 | 0.1 | 35 | 12 | 58 | 1.0 | 35 | 13 | 0.3 | 2.5 | 2.5 | 2.5 | 3.18 | 497 | 5 | 95 | 51 | 37 | 10 | 10 |
| 99T-248-1 Analytical Duplicate | 363998.87 | 6080166.06 | 0.1 | 27 | 14 | 67 | 0.5 | 40 | 16 | 0.2 | 2.5 | 6.0 | 2.5 | 3.59 | 442 | 5 | 90 | 55 | 44 | 10 | 10 |
| 99T-248-2 Analytical Duplicate | 363998.87 | 6080166.06 | 0.1 | 27 | 14 | 68 | 0.5 | 39 | 15 | 0.2 | 2.5 | 2.5 | 2.5 | 3.56 | 527 | 5 | 99 | 57 | 43 | 10 | 10 |
| 99T-249 | 366434.90 | 6080165.02 | 0.1 | 28 | 12 | 74 | 1.0 | 34 | 14 | 0.1 | 2.5 | 2.5 | 2.5 | 3.54 | 494 | 5 | 114 | 53 | 42 | 10 | 10 |
| 99T-250 | 365625.09 | 6080983.27 | 0.1 | 22 | 20 | 114 | 0.5 | 56 | 25 | 0.1 | 2.5 | 6.0 | 2.5 | 5.04 | 417 | 5 | 134 | 81 | 64 | 10 | 10 |
| 99T-251 | 369454.61 | 6077674.80 | 0.1 | 38 | 14 | 70 | 0.5 | 30 | 14 | 0.4 | 2.5 | 12.0 | 2.5 | 3.50 | 644 | 5 | 76 | 46 | 36 | 10 | 10 |
| 99T-252 | 370212.70 | 6077226.07 | 0.1 | 42 | 15 | 93 | 0.5 | 53 | 21 | 0.2 | 2.5 | 5.0 | 2.5 | 4.69 | 508 | 5 | 117 | 74 | 61 | 10 | 10 |
| 99T-253 | 369727.62 | 6076391.19 | 0.1 | 49 | 20 | 97 | 1.0 | 55 | 24 | 0.3 | 2.5 | 9.0 | 2.5 | 4.66 | 478 | 5 | 109 | 70 | 56 | 10 | 10 |
| 99T-260 | 359223.52 | 6069883.78 | 0.1 | 25 | 11 | 56 | 2.0 | 27 | 11 | 0.2 | 2.5 | 5.0 | 2.5 | 2.98 | 438 | 5 | 96 | 41 | 35 | 10 | 10 |
| 99T-261 | 360063.93 | 6069315.74 | 0.1 | 117 | 19 | 112 | 0.5 | 78 | 27 | 0.3 | 2.5 | 2.5 | 2.5 | 4.80 | 400 | 5 | 127 | 97 | 72 | 10 | 10 |
| 99T-262 | 355969.59 | 6070935.17 | 0.1 | 32 | 11 | 63 | 0.5 | 29 | 13 | 0.4 | 2.5 | 8.0 | 2.5 | 3.15 | 589 | 5 | 83 | 43 | 34 | 10 | 10 |
| 99T-263 | 357994.39 | 6070646.49 | 0.1 | 56 | 19 | 78 | 0.5 | 48 | 17 | 0.3 | 2.5 | 22.0 | 2.5 | 4.29 | 678 | 5 | 116 | 64 | 51 | 10 | 10 |
| 99T-264 | 360989.77 | 6069149.40 | 0.1 | 63 | 22 | 75 | 0.5 | 54 | 21 | 0.5 | 2.5 | 8.0 | 2.5 | 4.49 | 347 | 5 | 120 | 81 | 52 | 10 | 10 |
| 99T-265 | 361329.67 | 6072980.83 | 0.1 | 39 | 14 | 70 | 1.0 | 38 | 16 | 0.3 | 2.5 | 14.0 | 2.5 | 3.63 | 673 | 5 | 92 | 54 | 44 | 10 | 10 |
| 99T-266 | 363559.03 | 6071022.97 | 0.1 | 35 | 14 | 58 | 1.0 | 29 | 13 | 0.3 | 2.5 | 7.0 | 2.5 | 3.12 | 487 | 5 | 70 | 46 | 36 | 10 | 10 |
| 99T-267 | 377020.28 | 6069882.33 | 0.1 | 26 | 12 | 56 | 0.5 | 29 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.98 | 515 | 5 | 84 | 43 | 35 | 10 | 10 |
| 99T-268 | 379044.14 | 6070599.95 | 0.1 | 42 | 20 | 69 | 1.0 | 33 | 16 | 0.5 | 2.5 | 12.0 | 2.5 | 3.41 | 610 | 5 | 96 | 47 | 47 | 10 | 10 |
| 99T-269 | 376364.81 | 6071760.41 | 0.1 | 19 | 8 | 45 | 1.0 | 24 | 8 | 0.4 | 2.5 | 6.0 | 2.5 | 2.38 | 422 | 5 | 81 | 35 | 25 | 10 | 10 |
| 99T-271 | 383858.83 | 6067703.50 | 0.1 | 39 | 13 | 70 | 1.0 | 35 | 14 | 0.1 | 2.5 | 7.0 | 2.5 | 3.57 | 471 | 5 | 81 | 54 | 42 | 10 | 10 |
| 99T-272 | 384102.61 | 6068885.27 | 0.1 | 29 | 11 | 62 | 1.0 | 34 | 14 | 0.2 | 2.5 | 2.5 | 2.5 | 3.16 | 576 | 5 | 86 | 50 | 37 | 10 | 10 |
| 99T-273 | 380547.15 | 6070612.20 | 0.1 | 34 | 13 | 66 | 0.5 | 37 | 13 | 0.3 | 2.5 | 6.0 | 2.5 | 3.47 | 508 | 5 | 94 | 52 | 39 | 10 | 10 |
| 99T-274 | 382955.22 | 6071800.72 | 0.1 | 51 | 14 | 87 | 1.0 | 46 | 18 | 0.2 | 2.5 | 7.0 | 2.5 | 5.08 | 554 | 5 | 143 | 79 | 66 | 10 | 10 |
| 99T-275 | 381967.41 | 6070087.68 | 0.1 | 36 | 18 | 86 | 0.5 | 49 | 17 | 0.3 | 2.5 | 11.0 | 2.5 | 4.99 | 524 | 5 | 115 | 82 | 69 | 10 | 10 |
| 99T-276-1 Analytical Duplicate | 385148.66 | 6077248.38 | 0.1 | 28 | 13 | 67 | 1.0 | 37 | 14 | 0.3 | 2.5 | 10.0 | 2.5 | 3.61 | 516 | 5 | 80 | 52 | 41 | 10 | 10 |
| 99T-276-2 Analytical Duplicate | 385148.66 | 6077248.38 | 0.1 | 28 | 17 | 81 | 0.5 | 44 | 17 | 0.2 | 2.5 | 14.0 | 2.5 | 4.43 | 615 | 5 | 98 | 66 | 51 | 10 | 10 |
| 99T-277 | 386690.16 | 6081682.14 | 0.1 | 34 | 13 | 76 | 0.5 | 37 | 15 | 0.3 | 2.5 | 5.0 | 2.5 | 3.68 | 636 | 5 | 85 | 54 | 43 | 10 | 10 |
| 99T-278 | 388023.91 | 6080577.61 | 0.1 | 37 | 14 | 70 | 2.0 | 34 | 15 | 0.4 | 2.5 | 7.0 | 2.5 | 3.56 | 634 | 5 | 104 | 49 | 43 | 10 | 10 |
| 99T-279 | 376310.70 | 6077007.87 | 0.1 | 36 | 13 | 57 | 0.5 | 34 | 13 | 0.4 | 2.5 | 6.0 | 2.5 | 3.22 | 511 | 5 | 70 | 49 | 35 | 10 | 10 |
| 99T-281 | 379124.40 | 6067728.11 | 0.1 | 33 | 12 | 60 | 0.5 | 31 | 12 | 0.1 | 2.5 | 8.0 | 2.5 | 3.36 | 432 | 5 | 88 | 50 | 42 | 10 | 10 |
| 99T-282 | 382727.20 | 6079909.30 | 0.1 | 29 | 11 | 55 | 0.5 | 34 | 12 | 0.3 | 2.5 | 2.5 | 2.5 | 3.19 | 462 | 5 | 73 | 65 | 36 | 10 | 10 |
| 99T-284 | 383840.14 | 6075866.88 | 0.1 | 39 | 16 | 79 | 1.0 | 41 | 19 | 0.4 | 2.5 | 2.5 | 2.5 | 4.05 | 783 | 5 | 88 | 56 | 45 | 10 | 10 |
| 99T-285 | 382958.94 | 6074543.38 | 0.1 | 29 | 12 | 78 | 1.0 | 35 | 14 | 0.3 | 2.5 | 2.5 | 2.5 | 3.66 | 466 | 5 | 111 | 57 | 46 | 10 | 10 |
| 99T-286 | 385475.05 | 6074190.49 | 0.1 | 32 | 14 | 75 | 1.0 | 38 | 15 | 0.3 | 2.5 | 5.0 | 2.5 | 3.76 | 480 | 5 | 81 | 55 | 42 | 10 | 10 |
| 99T-287 | 385938.09 | 6072538.35 | 0.1 | 42 | 12 | 62 | 0.5 | 34 | 13 | 0.2 | 2.5 | 6.0 | 2.5 | 3.60 | 436 | 5 | 92 | 53 | 43 | 10 | 10 |
| 99T-288 | 384706.93 | 6071638.97 | 0.1 | 32 | 13 | 74 | 0.5 | 37 | 16 | 0.4 | 2.5 | 2.5 | 2.5 | 3.57 | 660 | 5 | 87 | 55 | 41 | 10 | 10 |
| 99T-289 | 384447.42 | 6070035.32 | 0.1 | 36 | 14 | 74 | 0.5 | 36 | 16 | 0.3 | 2.5 | 6.0 | 2.5 | 3.52 | 620 | 5 | 85 | 53 | 43 | 10 | 10 |
| 99T-290 | 385875.21 | 6070091.77 | 0.1 | 25 | 12 | 58 | 1.0 | 30 | 12 | 0.3 | 2.5 | 6.0 | 2.5 | 3.08 | 550 | 5 | 89 | 46 | 34 | 10 | 10 |
| 99T-291 | 386749.94 | 6071142.51 | 0.1 | 28 | 11 | 60 | 0.5 | 29 | 12 | 0.3 | 2.5 | 2.5 | 2.5 | 3.14 | 558 | 5 | 96 | 45 | 36 | 10 | 10 |
| 99T-292-1 Analytical Duplicate | 372658.22 | 6079359.51 | 0.1 | 36 | 16 | 90 | 1.0 | 44 | 19 | 0.3 | 2.5 | 6.0 | 2.5 | 4.12 | 696 | 5 | 97 | 62 | 48 | 10 | 10 |
| 99T-292-2 Analytical Duplicate | 372658.22 | 6079359.51 | 0.1 | 36 | 14 | 88 | 2.0 | 44 | 18 | 0.3 | 2.5 | 20.0 | 2.5 | 4.06 | 664 | 5 | 97 | 61 | 48 | 10 | 10 |
| 99T-293 | 373332.21 | 6078856.12 | 0.1 | 48 | 18 | 84 | 1.0 | 36 | 17 | 0.4 | 2.5 | 11.0 | 2.5 | 3.97 | 644 | 5 | 74 | 53 | 41 | 10 | 10 |
| 99T-294 | 374312.89 | 6078921.40 | 0.1 | 34 | 15 | 86 | 1.0 | 53 | 20 | 0.3 | 2.5 | 2.5 | 2.5 | 4.24 | 696 | 5 | 89 | 70 | 54 | 10 | 10 |
| 99T-295 | 375182.62 | 6078624.03 | 0.1 | 50 | 15 | 71 | 1.0 | 30 | 14 | 0.1 | 2.5 | 12.0 | 2.5 | 3.23 | 665 | 5 | 115 | 46 | 38 | 10 | 10 |
| 99T-296 | 376386.81 | 6078570.83 | 0.1 | 44 | 15 | 94 | 1.0 | 45 | 19 | 0.3 | 2.5 | 2.5 | 2.5 | 4.01 | 807 | 5 | 96 | 61 | 47 | 10 | 10 |
| 99T-297 | 377606.00 | 6078057.09 | 0.1 | 42 | 16 | 81 | 1.0 | 441 | 20 | 0.2 | 2.5 | 2.5 | 2.5 | 4.09 | 652 | 5 | 90 | 67 | 49 | 10 | 10 |
| 99T-298 | 377794.68 | 6079094.31 | 0.1 | 38 | 14 | 81 | 2.0 | 46 | 19 | 0.2 | 2.5 | 5.0 | 2.5 | 3.97 | 686 | 5 | 103 | 58 | 44 | 10 | 10 |

| Sample Site | UTM | | Ag | Cu | Pb | Zn | Mo | Ni | Co | Cd | Bi | As | Sb | Fe | Mn | Te | Ba | Cr | V | Sn | W |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 99T-299 | 377733.77 | 6080049.38 | 0.1 | 88 | 15 | 95 | 2.0 | 79 | 25 | 0.3 | 2.5 | 21.0 | 2.5 | 4.49 | 664 | 5 | 104 | 137 | 63 | 10 | 10 |
| 99T-300 | 383601.49 | 6081754.27 | 0.1 | 33 | 14 | 72 | 1.0 | 35 | 15 | 0.4 | 2.5 | 2.5 | 2.5 | 3.59 | 558 | 5 | 91 | 51 | 41 | 10 | 10 |
| 99T-301 | 382264.75 | 6081807.41 | 0.1 | 24 | 12 | 49 | 0.5 | 21 | 9 | 0.4 | 2.5 | 6.0 | 2.5 | 2.56 | 357 | 5 | 72 | 34 | 27 | 10 | 10 |
| 99T-302 | 381825.16 | 6080640.92 | 0.1 | 45 | 20 | 94 | 1.0 | 57 | 22 | 0.2 | 2.5 | 11.0 | 2.5 | 5.05 | 748 | 5 | 119 | 81 | 62 | 10 | 10 |
| 99T-303 | 381419.93 | 6079292.48 | 0.1 | 37 | 13 | 64 | 1.0 | 31 | 11 | 0.4 | 2.5 | 2.5 | 2.5 | 3.17 | 555 | 5 | 97 | 47 | 32 | 10 | 10 |
| 99T-304 | 379828.87 | 6079816.74 | 0.1 | 55 | 12 | 78 | 1.0 | 58 | 18 | 0.1 | 2.5 | 8.0 | 2.5 | 4.05 | 527 | 5 | 103 | 84 | 50 | 10 | 10 |
| 99T-305 | 373257.01 | 6080611.99 | 0.1 | 31 | 11 | 46 | 2.0 | 23 | 11 | 0.2 | 2.5 | 2.5 | 2.5 | 2.42 | 489 | 5 | 43 | 30 | 24 | 10 | 10 |
| 99T-306 | 374075.08 | 6080290.59 | 0.1 | 47 | 18 | 87 | 2.0 | 54 | 21 | 0.3 | 2.5 | 7.0 | 2.5 | 4.38 | 715 | 5 | 96 | 58 | 46 | 10 | 10 |
| 99T-308 | 378593.33 | 6079122.68 | 0.1 | 42 | 19 | 79 | 0.5 | 44 | 19 | 0.4 | 2.5 | 2.5 | 2.5 | 4.02 | 684 | 5 | 83 | 54 | 42 | 10 | 10 |
| 99T-310 | 378075.60 | 6081454.42 | 0.1 | 33 | 15 | 62 | 2.0 | 29 | 16 | 0.5 | 2.5 | 10.0 | 2.5 | 2.99 | 593 | 5 | 75 | 43 | 34 | 10 | 10 |
| 99T-311 | 375825.45 | 6081477.33 | 0.1 | 51 | 18 | 91 | 2.0 | 47 | 22 | 0.4 | 2.5 | 8.0 | 2.5 | 4.30 | 670 | 5 | 87 | 57 | 45 | 10 | 10 |
| 99T-312 | 374729.14 | 6081514.74 | 0.1 | 37 | 14 | 86 | 0.5 | 38 | 16 | 0.3 | 2.5 | 2.5 | 2.5 | 3.59 | 470 | 5 | 114 | 58 | 44 | 10 | 10 |
| 99T-314-1 Analytical Duplicate | 380441.27 | 6077362.52 | 0.1 | 31 | 11 | 60 | 2.0 | 33 | 12 | 0.4 | 2.5 | 10.0 | 2.5 | 3.18 | 539 | 5 | 92 | 51 | 36 | 10 | 10 |
| 99T-314-2 Analytical Duplicate | 380441.27 | 6077362.52 | 0.1 | 28 | 11 | 60 | 2.0 | 34 | 13 | 0.3 | 2.5 | 2.5 | 2.5 | 3.19 | 586 | 5 | 93 | 51 | 37 | 10 | 10 |
| 99T-315 | 379424.91 | 6076667.36 | 0.1 | 33 | 11 | 66 | 0.5 | 35 | 15 | 0.3 | 2.5 | 2.5 | 2.5 | 3.34 | 663 | 5 | 101 | 52 | 39 | 10 | 10 |
| 99T-316 | 378083.67 | 6075976.30 | 0.1 | 30 | 11 | 67 | 1.0 | 34 | 15 | 0.2 | 2.5 | 6.0 | 2.5 | 3.43 | 581 | 5 | 105 | 50 | 38 | 10 | 10 |
| 99T-317 | 378975.05 | 6075002.82 | 0.1 | 32 | 18 | 96 | 0.5 | 59 | 24 | 0.2 | 2.5 | 2.5 | 2.5 | 4.59 | 506 | 5 | 102 | 83 | 61 | 10 | 10 |
| 99T-319 | 377992.28 | 6071532.08 | 0.1 | 33 | 12 | 54 | 2.0 | 27 | 10 | 0.4 | 2.5 | 6.0 | 2.5 | 2.92 | 488 | 5 | 90 | 43 | 31 | 10 | 10 |
| 99T-320 | 378032.77 | 6073502.62 | 0.1 | 40 | 13 | 73 | 0.5 | 39 | 17 | 0.3 | 2.5 | 10.0 | 2.5 | 3.62 | 830 | 5 | 100 | 56 | 42 | 10 | 10 |
| 99T-322 | 376788.52 | 6076148.06 | 0.1 | 39 | 57 | 66 | 1.0 | 34 | 14 | 0.3 | 2.5 | 8.0 | 2.5 | 3.61 | 549 | 5 | 82 | 55 | 41 | 10 | 10 |
| 99T-324 | 371909.21 | 6077077.66 | 0.1 | 27 | 11 | 47 | 0.5 | 24 | 9 | 0.3 | 2.5 | 2.5 | 2.5 | 2.64 | 357 | 5 | 94 | 34 | 31 | 10 | 10 |
| 99T-325 | 371394.88 | 6077468.54 | 0.1 | 33 | 13 | 72 | 0.5 | 38 | 16 | 0.3 | 2.5 | 8.0 | 2.5 | 3.70 | 509 | 5 | 84 | 60 | 48 | 10 | 10 |
| 99T-326 | 367010.80 | 6076322.95 | 0.1 | 35 | 14 | 73 | 1.0 | 38 | 17 | 0.3 | 2.5 | 2.5 | 2.5 | 3.42 | 732 | 5 | 90 | 54 | 41 | 10 | 10 |
| 99T-327 | 365544.89 | 6075097.76 | 0.1 | 35 | 13 | 65 | 0.5 | 29 | 12 | 0.3 | 2.5 | 2.5 | 2.5 | 3.23 | 538 | 5 | 82 | 47 | 35 | 10 | 10 |
| 99T-328 | 366630.37 | 6073449.41 | 0.1 | 46 | 12 | 88 | 0.5 | 45 | 20 | 0.1 | 2.5 | 8.0 | 2.5 | 4.19 | 681 | 5 | 93 | 65 | 52 | 10 | 10 |
| 99T-329-1 Analytical Duplicate | 373524.62 | 6072776.30 | 0.1 | 31 | 12 | 58 | 2.0 | 27 | 11 | 0.5 | 2.5 | 5.0 | 2.5 | 2.94 | 567 | 5 | 106 | 44 | 31 | 10 | 10 |
| 99T-329-2 Analytical Duplicate | 373524.62 | 6072776.30 | 0.1 | 31 | 11 | 56 | 2.0 | 26 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.79 | 543 | 5 | 100 | 42 | 32 | 10 | 10 |
| 99T-330 | 373090.65 | 6073609.38 | 0.1 | 32 | 12 | 63 | 2.0 | 31 | 14 | 0.2 | 2.5 | 9.0 | 2.5 | 3.13 | 628 | 5 | 90 | 45 | 34 | 10 | 10 |
| 99T-331 | 372325.83 | 6073335.34 | 0.1 | 29 | 10 | 61 | 0.5 | 31 | 13 | 0.3 | 2.5 | 2.5 | 2.5 | 3.09 | 636 | 5 | 75 | 46 | 34 | 10 | 10 |
| 99T-332 | 371343.79 | 6071847.26 | 0.1 | 36 | 14 | 61 | 2.0 | 30 | 14 | 0.4 | 2.5 | 2.5 | 2.5 | 3.15 | 624 | 5 | 83 | 45 | 35 | 10 | 10 |
| 99T-334 | 353630.41 | 6074080.73 | 0.1 | 29 | 13 | 77 | 1.0 | 40 | 15 | 0.3 | 2.5 | 2.5 | 2.5 | 3.94 | 537 | 5 | 86 | 58 | 44 | 10 | 10 |
| 99T-335 | 354026.13 | 6072263.97 | 0.1 | 25 | 13 | 68 | 0.5 | 35 | 13 | 0.1 | 2.5 | 2.5 | 2.5 | 3.37 | 467 | 5 | 102 | 53 | 39 | 10 | 10 |
| 99T-338 | 358097.38 | 6073183.12 | 0.1 | 31 | 13 | 71 | 0.5 | 38 | 15 | 0.3 | 2.5 | 8.0 | 2.5 | 3.53 | 545 | 5 | 105 | 56 | 44 | 10 | 10 |
| 99T-341 | 363366.15 | 6079087.77 | 0.1 | 59 | 17 | 70 | 0.5 | 42 | 19 | 0.5 | 2.5 | 6.0 | 2.5 | 3.65 | 682 | 5 | 99 | 59 | 41 | 10 | 10 |
| 99T-343 | 365228.31 | 6078367.51 | 0.1 | 36 | 16 | 69 | 2.0 | 31 | 15 | 0.5 | 2.5 | 16.0 | 2.5 | 3.46 | 487 | 5 | 95 | 49 | 38 | 10 | 10 |
| 99T-344 | 364266.45 | 6076224.84 | 0.1 | 50 | 13 | 69 | 1.0 | 44 | 22 | 0.3 | 2.5 | 24.0 | 2.5 | 3.82 | 575 | 5 | 121 | 64 | 51 | 10 | 10 |
| 99T-345 | 362453.17 | 6075416.23 | 0.1 | 41 | 13 | 58 | 1.0 | 34 | 15 | 0.5 | 2.5 | 53.0 | 2.5 | 2.99 | 626 | 5 | 110 | 43 | 36 | 10 | 10 |
| 99T-346 | 363508.62 | 6077282.57 | 0.1 | 54 | 14 | 66 | 1.0 | 44 | 16 | 0.3 | 2.5 | 18.0 | 2.5 | 3.56 | 525 | 5 | 108 | 60 | 43 | 10 | 10 |
| 99T-347 | 390123.06 | 6073013.81 | 0.1 | 42 | 15 | 93 | 0.5 | 42 | 18 | 0.4 | 2.5 | 7.0 | 2.5 | 3.94 | 680 | 5 | 93 | 59 | 45 | 10 | 10 |
| 99T-349 | 394290.85 | 6073197.89 | 0.1 | 42 | 19 | 103 | 1.0 | 59 | 23 | 0.2 | 2.5 | 2.5 | 2.5 | 4.74 | 523 | 5 | 95 | 74 | 56 | 10 | 10 |
| 99T-350 | 381237.22 | 6069551.39 | 0.1 | 45 | 13 | 80 | 2.0 | 41 | 15 | 0.2 | 2.5 | 8.0 | 2.5 | 3.73 | 473 | 5 | 116 | 60 | 48 | 10 | 10 |
| 99T-351 | 377332.39 | 6064774.37 | 0.1 | 25 | 11 | 64 | 0.5 | 31 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 3.21 | 406 | 5 | 100 | 49 | 38 | 10 | 10 |

| Sample Site | Hg ppm | La ppm | Al % | Mg % | Na % | K % | Sr ppm | Y ppm | Ga ppm | Li ppm | Nb ppm | Sc ppm | Ta ppm | Ti % | Zr ppm | S % | AsHY ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-2 | 0.110 | 28 | 1.88 | 2.25 | 0.71 | 0.22 | 72 | 9 | 3.0 | 26 | 0.5 | 2.5 | 5 | 0.07 | 6 | 0.07 | 17.1 |
| 99T-3 | 0.061 | 29 | 2.42 | 1.95 | 0.48 | 0.29 | 71 | 10 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 7 | 0.06 | 6.8 |
| 99T-4 | 0.029 | 34 | 2.58 | 2.26 | 0.45 | 0.38 | 74 | 9 | 5.0 | 41 | 1.0 | 2.5 | 5 | 0.10 | 15 | 0.05 | 2.9 |
| 99T-5 | 0.050 | 27 | 1.96 | 1.86 | 0.36 | 0.17 | 78 | 10 | 3.0 | 24 | 0.5 | 2.5 | 5 | 0.08 | 5 | 0.07 | 4.7 |
| 99T-7 | 0.053 | 28 | 3.01 | 1.75 | 0.73 | 0.32 | 67 | 10 | 6.0 | 40 | 2.0 | 2.5 | 5 | 0.08 | 6 | 0.09 | 10.7 |
| 99T-8 | 0.093 | 30 | 2.47 | 1.54 | 0.64 | 0.23 | 70 | 11 | 5.0 | 30 | 1.0 | 2.5 | 5 | 0.06 | 4 | 0.10 | 6.1 |
| 99T-9 | 0.039 | 39 | 2.33 | 1.96 | 0.49 | 0.37 | 75 | 10 | 4.0 | 33 | 1.0 | 2.5 | 5 | 0.10 | 9 | 0.05 | 5.1 |
| 99T-10 | 0.096 | 26 | 2.07 | 1.59 | 0.48 | 0.18 | 70 | 10 | 4.0 | 22 | 0.5 | 2.5 | 5 | 0.05 | 2 | 0.10 | 4.8 |
| 99T-11 | 0.052 | 30 | 2.28 | 1.92 | 0.40 | 0.25 | 77 | 10 | 4.0 | 31 | 1.0 | 2.5 | 5 | 0.08 | 6 | 0.06 | 6.4 |
| 99T-12 | 0.049 | 29 | 2.58 | 1.86 | 0.47 | 0.30 | 71 | 10 | 5.0 | 32 | 2.0 | 2.5 | 5 | 0.09 | 6 | 0.06 | 4.8 |
| 99T-13 | 0.047 | 31 | 2.29 | 1.97 | 0.42 | 0.30 | 75 | 10 | 4.0 | 32 | 1.0 | 2.5 | 5 | 0.10 | 12 | 0.05 | 5.0 |
| 99T-14 | 0.052 | 30 | 2.47 | 1.84 | 0.50 | 0.30 | 69 | 10 | 4.0 | 35 | 1.0 | 2.5 | 5 | 0.10 | 12 | 0.05 | 7.7 |
| 99T-15 | 0.199 | 31 | 3.61 | 1.81 | 0.89 | 0.33 | 51 | 16 | 7.0 | 42 | 3.0 | 7.0 | 5 | 0.07 | 2 | 0.09 | 10.7 |
| 99T-16 | 0.031 | 18 | 4.21 | 1.22 | 0.69 | 0.43 | 43 | 7 | 9.0 | 35 | 2.0 | 8.0 | 5 | 0.04 | 11 | 0.02 | 5.0 |
| 99T-17 | 0.054 | 26 | 1.88 | 1.90 | 0.45 | 0.20 | 77 | 9 | 3.0 | 23 | 1.0 | 2.5 | 5 | 0.07 | 4 | 0.07 | 5.4 |
| 99T-18 | 0.033 | 31 | 2.91 | 1.98 | 0.44 | 0.47 | 67 | 9 | 6.0 | 43 | 1.0 | 6.0 | 5 | 0.09 | 16 | 0.04 | 10.4 |
| 99T-19 | 0.028 | 31 | 2.71 | 1.95 | 0.53 | 0.40 | 66 | 9 | 5.0 | 37 | 1.0 | 5.0 | 5 | 0.08 | 10 | 0.05 | 5.0 |
| 99T-21-1 Analytical Duplicate | 0.032 | 23 | 1.38 | 1.92 | 0.36 | 0.16 | 95 | 8 | 1.0 | 19 | 0.5 | 2.5 | 5 | 0.06 | 6 | 0.08 | 5.4 |
| 99T-21-2 Analytical Duplicate | 0.028 | 24 | 1.73 | 1.86 | 0.44 | 0.21 | 87 | 8 | 3.0 | 23 | 1.0 | 2.5 | 5 | 0.08 | 9 | 0.07 | 5.1 |
| 99T-25 | 0.026 | 25 | 2.15 | 1.81 | 0.36 | 0.32 | 101 | 9 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.08 | 11 | 0.07 | 5.4 |
| 99T-26 | 0.026 | 27 | 1.96 | 1.86 | 0.40 | 0.26 | 101 | 9 | 3.0 | 25 | 0.5 | 2.5 | 5 | 0.07 | 6 | 0.09 | 5.2 |
| 99T-27 | 0.079 | 33 | 3.44 | 1.96 | 0.78 | 0.34 | 54 | 15 | 7.0 | 44 | 2.0 | 7.0 | 5 | 0.09 | 7 | 0.06 | 6.3 |
| 99T-28 | 0.050 | 10 | 0.63 | 0.86 | 0.45 | 0.06 | 110 | 5 | 1.0 | 9 | 0.5 | 2.5 | 5 | 0.01 | 1 | 0.18 | 1.1 |
| 99T-29 | 0.041 | 33 | 3.29 | 1.89 | 0.60 | 0.33 | 58 | 12 | 6.0 | 39 | 1.0 | 7.0 | 5 | 0.08 | 5 | 0.05 | 4.3 |
| 99T-30 | 0.054 | 23 | 1.61 | 1.61 | 0.43 | 0.18 | 99 | 8 | 3.0 | 20 | 0.5 | 2.5 | 5 | 0.06 | 4 | 0.14 | 4.3 |
| 99T-31 | 0.027 | 23 | 1.68 | 1.62 | 0.40 | 0.22 | 90 | 7 | 3.0 | 21 | 0.5 | 2.5 | 5 | 0.06 | 2 | 0.09 | 4.7 |
| 99T-32 | 0.062 | 23 | 1.71 | 1.61 | 0.53 | 0.15 | 84 | 10 | 3.0 | 17 | 0.5 | 2.5 | 5 | 0.04 | 1 | 0.15 | 1.3 |
| 99T-33 | 0.046 | 29 | 2.33 | 2.06 | 0.38 | 0.24 | 75 | 11 | 4.0 | 32 | 1.0 | 5.0 | 5 | 0.10 | 13 | 0.05 | 4.6 |
| 99T-34 | 0.026 | 18 | 1.05 | 1.43 | 0.35 | 0.12 | 112 | 7 | 1.0 | 13 | 1.0 | 2.5 | 5 | 0.05 | 1 | 0.13 | 3.1 |
| 99T-35 | 0.031 | 20 | 1.33 | 1.51 | 0.33 | 0.18 | 107 | 7 | 1.0 | 19 | 0.5 | 2.5 | 5 | 0.06 | 3 | 0.14 | 2.5 |
| 99T-36 | 0.055 | 22 | 1.51 | 1.62 | 0.43 | 0.21 | 162 | 8 | 2.0 | 22 | 0.5 | 2.5 | 5 | 0.06 | 4 | 0.15 | 4.1 |
| 99T-39 | 0.065 | 27 | 1.94 | 1.73 | 0.48 | 0.21 | 80 | 11 | 3.0 | 23 | 0.5 | 2.5 | 5 | 0.06 | 4 | 0.10 | 4.8 |
| 99T-40 | 0.087 | 29 | 2.67 | 2.26 | 0.54 | 0.26 | 57 | 10 | 5.0 | 41 | 2.0 | 6.0 | 5 | 0.09 | 5 | 0.05 | 7.2 |
| 99T-41-1 Analytical Duplicate | 0.049 | 31 | 2.08 | 2.00 | 0.36 | 0.31 | 100 | 10 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 11 | 0.07 | 5.7 |
| 99T-41-2 Analytical Duplicate | 0.039 | 32 | 2.04 | 2.05 | 0.34 | 0.30 | 99 | 10 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 12 | 0.07 | 6.1 |
| 99T-42 | 0.044 | 32 | 3.37 | 2.11 | 0.49 | 0.39 | 55 | 12 | 6.0 | 44 | 2.0 | 7.0 | 5 | 0.11 | 10 | 0.04 | 4.1 |
| 99T-43 | 0.131 | 30 | 2.93 | 2.17 | 0.62 | 0.29 | 48 | 15 | 5.0 | 31 | 2.0 | 7.0 | 5 | 0.08 | 4 | 0.07 | 8.0 |
| 99T-44 | 0.039 | 32 | 2.15 | 1.89 | 0.42 | 0.30 | 87 | 11 | 4.0 | 30 | 1.0 | 5.0 | 5 | 0.09 | 7 | 0.07 | 6.6 |
| 99T-45 | 0.022 | 13 | 0.91 | 1.42 | 0.27 | 0.13 | 132 | 4 | 1.0 | 12 | 0.5 | 2.5 | 5 | 0.03 | 2 | 0.15 | 2.8 |
| 99T-46 | 0.059 | 25 | 1.79 | 1.57 | 0.40 | 0.20 | 97 | 9 | 3.0 | 22 | 0.5 | 2.5 | 5 | 0.06 | 3 | 0.10 | 4.4 |
| 99T-47 | 0.061 | 36 | 2.62 | 2.06 | 0.48 | 0.42 | 80 | 11 | 5.0 | 37 | 1.0 | 6.0 | 5 | 0.09 | 6 | 0.05 | 7.5 |
| 99T-49 | 0.062 | 28 | 1.65 | 1.87 | 0.34 | 0.20 | 94 | 9 | 3.0 | 23 | 0.5 | 2.5 | 5 | 0.07 | 5 | 0.07 | 4.4 |
| 99T-50 | 0.093 | 33 | 2.24 | 2.15 | 0.50 | 0.29 | 64 | 12 | 4.0 | 29 | 1.0 | 5.0 | 5 | 0.10 | 7 | 0.05 | 8.9 |
| 99T-51 | 0.082 | 30 | 4.94 | 1.11 | 0.85 | 0.24 | 26 | 7 | 9.0 | 53 | 3.0 | 7.0 | 5 | 0.09 | 10 | 0.03 | 5.6 |
| 99T-52 | 0.047 | 26 | 1.94 | 2.02 | 0.55 | 0.19 | 75 | 9 | 3.0 | 24 | 1.0 | 2.5 | 5 | 0.08 | 4 | 0.07 | 5.2 |
| 99T-53 | 0.040 | 31 | 2.42 | 1.89 | 0.44 | 0.28 | 80 | 10 | 4.0 | 32 | 1.0 | 5.0 | 5 | 0.09 | 8 | 0.06 | 7.6 |
| 99T-54 | 0.029 | 29 | 1.78 | 1.73 | 0.35 | 0.25 | 98 | 9 | 3.0 | 24 | 0.5 | 2.5 | 5 | 0.08 | 7 | 0.07 | 4.5 |

| Sample Site | Hg ppm | La ppm | Al % | Mg % | Na % | K % | Sr ppm | Y ppm | Ga ppm | Li ppm | Nb ppm | Sc ppm | Ta ppm | Ti % | Zr ppm | S % | AsHY ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-55 | 0.045 | 33 | 2.12 | 2.02 | 0.42 | 0.35 | 81 | 10 | 4.0 | 31 | 1.0 | 5.0 | 5 | 0.10 | 7 | 0.05 | 5.6 |
| 99T-56 | 0.030 | 33 | 3.28 | 1.95 | 0.51 | 0.44 | 76 | 10 | 7.0 | 46 | 1.0 | 7.0 | 5 | 0.09 | 12 | 0.04 | 6.9 |
| 99T-57 | 0.059 | 34 | 2.54 | 1.98 | 0.50 | 0.25 | 68 | 12 | 5.0 | 33 | 1.0 | 6.0 | 5 | 0.09 | 9 | 0.04 | 6.6 |
| 99T-59 | 0.089 | 30 | 2.51 | 2.05 | 0.53 | 0.32 | 59 | 12 | 4.0 | 32 | 2.0 | 7.0 | 5 | 0.09 | 9 | 0.04 | 8.5 |
| 99T-63 | 0.046 | 28 | 2.29 | 2.24 | 0.38 | 0.26 | 69 | 11 | 4.0 | 29 | 2.0 | 5.0 | 5 | 0.10 | 9 | 0.05 | 9.6 |
| 99T-64 | 0.045 | 34 | 2.22 | 1.98 | 0.39 | 0.30 | 83 | 11 | 4.0 | 30 | 0.5 | 5.0 | 5 | 0.09 | 10 | 0.06 | 5.2 |
| 99T-65 | 0.045 | 28 | 2.14 | 1.97 | 0.48 | 0.29 | 82 | 9 | 4.0 | 31 | 1.0 | 5.0 | 5 | 0.10 | 15 | 0.06 | 7.4 |
| 99T-66 | 0.022 | 43 | 4.18 | 1.74 | 0.52 | 0.57 | 43 | 14 | 8.0 | 55 | 2.0 | 9.0 | 5 | 0.13 | 18 | 0.02 | 3.5 |
| 99T-67 | 0.052 | 31 | 2.42 | 1.98 | 0.48 | 0.32 | 81 | 11 | 4.0 | 32 | 1.0 | 6.0 | 5 | 0.10 | 13 | 0.05 | 6.7 |
| 99T-68 | 0.039 | 29 | 1.96 | 1.88 | 0.45 | 0.23 | 85 | 10 | 3.0 | 25 | 1.0 | 2.5 | 5 | 0.08 | 7 | 0.06 | 6.4 |
| 99T-69 | 0.027 | 31 | 2.21 | 1.98 | 0.38 | 0.25 | 84 | 10 | 4.0 | 31 | 0.5 | 5.0 | 5 | 0.08 | 13 | 0.05 | 3.6 |
| 99T-70 | 0.220 | 25 | 1.99 | 1.45 | 0.85 | 0.17 | 65 | 11 | 4.0 | 20 | 0.5 | 2.5 | 5 | 0.05 | 3 | 0.10 | 2.3 |
| 99T-71 | 0.044 | 31 | 1.98 | 1.92 | 0.40 | 0.29 | 100 | 10 | 4.0 | 29 | 1.0 | 5.0 | 5 | 0.08 | 9 | 0.06 | 7.5 |
| 99T-73-1 Analytical Duplicate | 0.077 | 30 | 2.93 | 1.84 | 0.56 | 0.28 | 59 | 13 | 5.0 | 35 | 2.0 | 7.0 | 5 | 0.09 | 8 | 0.06 | 8.0 |
| 99T-73-2 Analytical Duplicate | 0.078 | 28 | 2.63 | 1.92 | 0.50 | 0.28 | 65 | 11 | 5.0 | 33 | 2.0 | 6.0 | 5 | 0.10 | 10 | 0.06 | 9.2 |
| 99T-74 | 0.043 | 30 | 2.00 | 2.05 | 0.36 | 0.33 | 87 | 10 | 3.0 | 26 | 0.5 | 5.0 | 5 | 0.09 | 13 | 0.06 | 7.7 |
| 99T-75 | 0.065 | 25 | 2.00 | 2.03 | 0.77 | 0.25 | 79 | 9 | 3.0 | 26 | 0.5 | 2.5 | 5 | 0.07 | 5 | 0.08 | 9.2 |
| 99T-76 | 0.069 | 25 | 1.60 | 1.77 | 0.59 | 0.19 | 129 | 9 | 3.0 | 22 | 0.5 | 2.5 | 5 | 0.06 | 2 | 0.11 | 6.5 |
| 99T-77 | 0.022 | 30 | 2.52 | 1.86 | 0.40 | 0.35 | 99 | 10 | 4.0 | 34 | 1.0 | 5.0 | 5 | 0.08 | 10 | 0.07 | 4.7 |
| 99T-78 | 0.035 | 15 | 1.25 | 1.30 | 0.36 | 0.14 | 119 | 6 | 1.0 | 17 | 0.5 | 2.5 | 5 | 0.04 | 2 | 0.13 | 3.7 |
| 99T-79 | 0.033 | 25 | 1.78 | 1.79 | 0.40 | 0.21 | 91 | 9 | 3.0 | 24 | 0.5 | 2.5 | 5 | 0.07 | 7 | 0.08 | 5.3 |
| 99T-80 | 0.039 | 32 | 1.89 | 2.04 | 0.30 | 0.28 | 115 | 10 | 3.0 | 28 | 1.0 | 2.5 | 5 | 0.08 | 14 | 0.07 | 5.2 |
| 99T-81 | 0.046 | 27 | 1.71 | 2.17 | 0.37 | 0.18 | 111 | 9 | 2.0 | 20 | 0.5 | 2.5 | 5 | 0.05 | 3 | 0.10 | 3.9 |
| 99T-82-1 Analytical Duplicate | 0.089 | 32 | 2.31 | 2.09 | 0.49 | 0.30 | 78 | 11 | 4.0 | 34 | 1.0 | 6.0 | 5 | 0.09 | 14 | 0.05 | 9.8 |
| 99T-82-2 Analytical Duplicate | 0.103 | 32 | 2.41 | 2.13 | 0.56 | 0.30 | 76 | 11 | 4.0 | 35 | 0.5 | 6.0 | 5 | 0.10 | 13 | 0.05 | 11.0 |
| 99T-83 | 0.109 | 36 | 3.23 | 2.42 | 0.74 | 0.28 | 55 | 16 | 6.0 | 45 | 2.0 | 7.0 | 5 | 0.08 | 4 | 0.07 | 13.8 |
| 99T-84 | 0.080 | 29 | 2.59 | 2.07 | 0.45 | 0.36 | 89 | 11 | 5.0 | 41 | 1.0 | 6.0 | 5 | 0.10 | 10 | 0.06 | 6.8 |
| 99T-85 | 0.143 | 39 | 4.92 | 1.55 | 0.85 | 0.27 | 39 | 19 | 11.0 | 75 | 3.0 | 11.0 | 5 | 0.08 | 8 | 0.06 | 6.7 |
| 99T-86 | 0.048 | 34 | 2.43 | 1.90 | 0.50 | 0.28 | 70 | 11 | 4.0 | 33 | 1.0 | 6.0 | 5 | 0.10 | 9 | 0.06 | 7.3 |
| 99T-89 | 0.025 | 28 | 2.04 | 1.89 | 0.34 | 0.31 | 99 | 9 | 3.0 | 29 | 0.5 | 2.5 | 5 | 0.08 | 16 | 0.07 | 4.1 |
| 99T-90 | 0.041 | 22 | 1.54 | 1.66 | 0.50 | 0.22 | 91 | 8 | 2.0 | 19 | 1.0 | 2.5 | 5 | 0.06 | 2 | 0.10 | 4.2 |
| 99T-91 | 0.068 | 28 | 2.43 | 1.51 | 0.79 | 0.25 | 72 | 11 | 5.0 | 31 | 1.0 | 2.5 | 5 | 0.06 | 3 | 0.09 | 7.1 |
| 99T-93 | 0.028 | 26 | 1.67 | 1.95 | 0.26 | 0.25 | 106 | 9 | 3.0 | 24 | 0.5 | 2.5 | 5 | 0.07 | 12 | 0.08 | 3.8 |
| 99T-94 | 0.027 | 24 | 1.85 | 2.12 | 0.30 | 0.23 | 114 | 8 | 3.0 | 22 | 1.0 | 2.5 | 5 | 0.06 | 4 | 0.09 | 3.9 |
| 99T-95 | 0.031 | 26 | 1.82 | 2.07 | 0.29 | 0.23 | 98 | 9 | 2.0 | 23 | 0.5 | 2.5 | 5 | 0.07 | 7 | 0.08 | 2.9 |
| 99T-97 | 0.043 | 30 | 2.32 | 2.13 | 0.45 | 0.30 | 83 | 10 | 4.0 | 33 | 0.5 | 5.0 | 5 | 0.08 | 6 | 0.06 | 9.6 |
| 99T-98 | 0.071 | 26 | 2.22 | 1.96 | 0.54 | 0.28 | 72 | 9 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.08 | 7 | 0.06 | 11.8 |
| 99T-102 | 0.049 | 28 | 2.26 | 1.97 | 0.57 | 0.27 | 72 | 9 | 4.0 | 30 | 1.0 | 5.0 | 5 | 0.08 | 4 | 0.06 | 5.1 |
| 99T-104 | 0.037 | 32 | 2.48 | 1.83 | 0.47 | 0.32 | 76 | 10 | 5.0 | 32 | 1.0 | 6.0 | 5 | 0.09 | 6 | 0.06 | 3.2 |
| 99T-105 | 0.062 | 29 | 1.86 | 1.92 | 0.48 | 0.28 | 90 | 9 | 3.0 | 26 | 1.0 | 2.5 | 5 | 0.08 | 8 | 0.06 | 10.7 |
| 99T-106 | 0.044 | 29 | 2.65 | 1.87 | 0.59 | 0.30 | 69 | 10 | 5.0 | 36 | 2.0 | 6.0 | 5 | 0.09 | 12 | 0.05 | 6.4 |
| 99T-107 | 0.044 | 30 | 2.87 | 1.89 | 0.62 | 0.39 | 71 | 10 | 6.0 | 41 | 1.0 | 7.0 | 5 | 0.10 | 15 | 0.04 | 7.0 |
| 99T-108 | 0.064 | 29 | 2.05 | 2.10 | 0.50 | 0.30 | 82 | 9 | 4.0 | 30 | 0.5 | 6.0 | 5 | 0.09 | 6 | 0.05 | 6.2 |
| 99T-109 | 0.043 | 35 | 2.69 | 1.93 | 0.50 | 0.39 | 75 | 11 | 5.0 | 39 | 1.0 | 7.0 | 5 | 0.10 | 17 | 0.05 | 6.6 |
| 99T-111 | 0.058 | 30 | 2.05 | 2.03 | 0.43 | 0.33 | 91 | 10 | 3.0 | 28 | 0.5 | 5.0 | 5 | 0.09 | 6 | 0.06 | 6.3 |
| 99T-113 | 0.056 | 30 | 1.80 | 2.24 | 0.40 | 0.26 | 91 | 10 | 3.0 | 25 | 2.0 | 2.5 | 5 | 0.09 | 8 | 0.06 | 5.1 |
| 99T-114 | 0.044 | 30 | 1.98 | 1.86 | 0.39 | 0.29 | 89 | 10 | 3.0 | 29 | 1.0 | 5.0 | 5 | 0.09 | 15 | 0.07 | 6.2 |
| 99T-115 | 0.043 | 31 | 1.96 | 2.04 | 0.51 | 0.25 | 91 | 10 | 3.0 | 28 | 0.5 | 5.0 | 5 | 0.08 | 12 | 0.06 | 6.5 |
| 99T-118 | 0.044 | 25 | 1.80 | 2.10 | 0.48 | 0.23 | 83 | 8 | 3.0 | 24 | 0.5 | 2.5 | 5 | 0.08 | 10 | 0.06 | 7.2 |
| 99T-121 | 0.031 | 31 | 2.68 | 1.96 | 0.49 | 0.41 | 80 | 10 | 5.0 | 41 | 1.0 | 7.0 | 5 | 0.10 | 18 | 0.05 | 5.5 |
| 99T-123 | 0.029 | 34 | 2.59 | 1.98 | 0.43 | 0.42 | 84 | 10 | 5.0 | 37 | 0.5 | 6.0 | 5 | 0.10 | 12 | 0.05 | 5.0 |

| Sample Site | Hg ppm | La ppm | Al % | Mg % | Na % | K % | Sr ppm | Y ppm | Ga ppm | Li ppm | Nb ppm | Sc ppm | Ta ppm | Ti % | Zr ppm | S % | AsHY ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-124-1 Analytical Duplicate | 0.041 | 32 | 2.08 | 1.91 | 0.33 | 0.29 | 100 | 10 | 3.0 | 29 | 0.5 | 5.0 | 5 | 0.08 | 13 | 0.07 | 4.8 |
| 99T-124-2 Analytical Duplicate | 0.039 | 31 | 2.06 | 1.90 | 0.34 | 0.29 | 98 | 10 | 3.0 | 29 | 0.5 | 5.0 | 5 | 0.08 | 10 | 0.07 | 4.6 |
| 99T-125 | 0.034 | 30 | 2.42 | 1.93 | 0.40 | 0.35 | 100 | 9 | 4.0 | 35 | 0.5 | 6.0 | 5 | 0.09 | 13 | 0.06 | 4.4 |
| 99T-126 | 0.058 | 28 | 2.17 | 1.91 | 0.50 | 0.28 | 98 | 9 | 3.0 | 30 | 1.0 | 5.0 | 5 | 0.08 | 8 | 0.07 | 6.1 |
| 99T-127 | 0.047 | 27 | 1.73 | 1.94 | 0.47 | 0.24 | 98 | 9 | 3.0 | 23 | 0.5 | 2.5 | 5 | 0.07 | 9 | 0.08 | 7.5 |
| 99T-131 | 0.028 | 33 | 2.27 | 1.95 | 0.38 | 0.35 | 81 | 10 | 4.0 | 34 | 1.0 | 6.0 | 5 | 0.10 | 16 | 0.04 | 4.1 |
| 99T-134 | 0.030 | 30 | 2.42 | 1.97 | 0.39 | 0.39 | 96 | 10 | 5.0 | 35 | 1.0 | 6.0 | 5 | 0.09 | 16 | 0.06 | 5.8 |
| 99T-135 | 0.032 | 31 | 2.82 | 1.95 | 0.59 | 0.41 | 82 | 10 | 5.0 | 43 | 1.0 | 6.0 | 5 | 0.10 | 16 | 0.04 | 5.1 |
| 99T-136 | 0.045 | 27 | 2.23 | 1.85 | 0.36 | 0.32 | 91 | 10 | 4.0 | 28 | 2.0 | 5.0 | 5 | 0.08 | 6 | 0.07 | 4.6 |
| 99T-139 | 0.045 | 27 | 2.53 | 1.88 | 0.46 | 0.33 | 84 | 9 | 5.0 | 35 | 1.0 | 5.0 | 5 | 0.08 | 6 | 0.07 | 10.0 |
| 99T-140 | 0.038 | 32 | 2.32 | 1.95 | 0.40 | 0.35 | 82 | 10 | 4.0 | 33 | 1.0 | 6.0 | 5 | 0.10 | 14 | 0.05 | 4.3 |
| 99T-142 | 0.034 | 27 | 2.02 | 1.74 | 0.39 | 0.30 | 102 | 8 | 3.0 | 30 | 0.5 | 2.5 | 5 | 0.08 | 6 | 0.07 | 6.7 |
| 99T-145-1 Analytical Duplicate | 0.127 | 26 | 2.03 | 1.77 | 0.60 | 0.19 | 82 | 11 | 4.0 | 24 | 1.0 | 2.5 | 5 | 0.05 | 2 | 0.11 | 2.8 |
| 99T-145-2 Analytical Duplicate | 0.031 | 14 | 0.66 | 3.03 | 0.16 | 0.07 | 79 | 5 | 1.0 | 8 | 0.5 | 2.5 | 5 | 0.03 | 2 | 0.08 | 1.1 |
| 99T-146 | 0.033 | 30 | 1.62 | 2.05 | 0.34 | 0.23 | 102 | 9 | 3.0 | 23 | 1.0 | 2.5 | 5 | 0.08 | 7 | 0.06 | 5.5 |
| 99T-147 | 0.039 | 29 | 1.78 | 2.05 | 0.46 | 0.22 | 85 | 9 | 3.0 | 25 | 1.0 | 2.5 | 5 | 0.09 | 10 | 0.06 | 5.6 |
| 99T-148 | 0.038 | 32 | 2.32 | 1.92 | 0.41 | 0.32 | 74 | 10 | 4.0 | 34 | 0.5 | 6.0 | 5 | 0.10 | 11 | 0.05 | 3.5 |
| 99T-149 | 0.061 | 31 | 2.47 | 1.91 | 0.43 | 0.32 | 74 | 11 | 5.0 | 32 | 2.0 | 6.0 | 5 | 0.09 | 10 | 0.05 | 6.5 |
| 99T-150 | 0.048 | 24 | 1.56 | 1.62 | 0.48 | 0.20 | 77 | 9 | 2.0 | 22 | 0.5 | 2.5 | 5 | 0.07 | 7 | 0.09 | 7.0 |
| 99T-151 | 0.080 | 27 | 2.86 | 1.81 | 0.66 | 0.29 | 65 | 11 | 6.0 | 42 | 2.0 | 6.0 | 5 | 0.09 | 6 | 0.07 | 6.0 |
| 99T-152 | 0.055 | 29 | 2.62 | 1.90 | 0.54 | 0.36 | 70 | 12 | 5.0 | 34 | 2.0 | 7.0 | 5 | 0.10 | 7 | 0.05 | 3.8 |
| 99T-154 | 0.058 | 29 | 3.19 | 1.90 | 0.60 | 0.40 | 56 | 12 | 6.0 | 48 | 2.0 | 8.0 | 5 | 0.11 | 12 | 0.03 | 6.4 |
| 99T-155 | 0.138 | 33 | 2.89 | 1.97 | 0.98 | 0.25 | 47 | 16 | 6.0 | 39 | 1.0 | 6.0 | 5 | 0.07 | 6 | 0.07 | 12.5 |
| 99T-156 | 0.062 | 32 | 2.29 | 1.92 | 0.39 | 0.28 | 92 | 10 | 4.0 | 30 | 0.5 | 6.0 | 5 | 0.09 | 12 | 0.06 | 5.4 |
| 99T-157 | 0.063 | 32 | 2.87 | 2.07 | 0.46 | 0.35 | 72 | 11 | 5.0 | 37 | 1.0 | 7.0 | 5 | 0.11 | 10 | 0.05 | 6.1 |
| 99T-201 | 0.062 | 28 | 2.79 | 2.00 | 0.56 | 0.43 | 61 | 11 | 6.0 | 40 | 1.0 | 7.0 | 5 | 0.09 | 12 | 0.05 | 6.8 |
| 99T-202 | 0.044 | 27 | 1.94 | 2.18 | 0.44 | 0.31 | 85 | 8 | 3.0 | 29 | 1.0 | 5.0 | 5 | 0.09 | 8 | 0.06 | 5.2 |
| 99T-203 | 0.087 | 28 | 1.74 | 2.21 | 0.39 | 0.28 | 92 | 9 | 3.0 | 26 | 0.5 | 2.5 | 5 | 0.08 | 6 | 0.06 | 4.2 |
| 99T-204 | 0.049 | 30 | 2.72 | 2.00 | 0.53 | 0.42 | 69 | 10 | 6.0 | 42 | 1.0 | 7.0 | 5 | 0.10 | 19 | 0.04 | 5.9 |
| 99T-205 | 0.048 | 26 | 2.92 | 1.98 | 0.50 | 0.44 | 60 | 10 | 6.0 | 42 | 1.0 | 7.0 | 5 | 0.10 | 14 | 0.04 | 3.1 |
| 99T-206 | 0.040 | 32 | 2.32 | 1.89 | 0.43 | 0.33 | 83 | 10 | 5.0 | 34 | 1.0 | 6.0 | 5 | 0.09 | 10 | 0.05 | 7.0 |
| 99T-207 | 0.042 | 28 | 2.37 | 1.68 | 0.52 | 0.27 | 78 | 10 | 4.0 | 30 | 0.5 | 5.0 | 5 | 0.08 | 3 | 0.07 | 4.4 |
| 99T-208 | 0.061 | 29 | 2.48 | 2.03 | 0.45 | 0.34 | 75 | 11 | 5.0 | 34 | 1.0 | 6.0 | 5 | 0.10 | 11 | 0.05 | 7.2 |
| 99T-209 | 0.048 | 27 | 2.57 | 2.26 | 0.90 | 0.39 | 69 | 9 | 5.0 | 40 | 2.0 | 6.0 | 5 | 0.09 | 9 | 0.08 | 2.8 |
| 99T-210 | 0.066 | 27 | 1.94 | 2.14 | 0.44 | 0.29 | 83 | 9 | 3.0 | 29 | 1.0 | 5.0 | 5 | 0.09 | 10 | 0.05 | 11.6 |
| 99T-211 | 0.039 | 32 | 2.49 | 1.92 | 0.37 | 0.41 | 83 | 10 | 5.0 | 39 | 1.0 | 6.0 | 5 | 0.09 | 9 | 0.05 | 6.0 |
| 99T-212 | 0.047 | 32 | 2.10 | 1.96 | 0.41 | 0.32 | 91 | 10 | 4.0 | 32 | 1.0 | 5.0 | 5 | 0.09 | 7 | 0.05 | 5.2 |
| 99T-213 | 0.093 | 37 | 2.91 | 2.09 | 0.69 | 0.23 | 46 | 16 | 6.0 | 33 | 3.0 | 6.0 | 5 | 0.09 | 8 | 0.07 | 5.9 |
| 99T-214 | 0.049 | 29 | 1.94 | 1.82 | 0.35 | 0.34 | 76 | 9 | 3.0 | 25 | 1.0 | 2.5 | 5 | 0.07 | 4 | 0.11 | 30.8 |
| 99T-215 | 0.087 | 31 | 3.37 | 2.03 | 0.71 | 0.42 | 41 | 12 | 7.0 | 47 | 3.0 | 7.0 | 5 | 0.11 | 15 | 0.04 | 12.3 |
| 99T-218 | 0.062 | 27 | 2.50 | 1.92 | 0.59 | 0.25 | 65 | 10 | 5.0 | 33 | 2.0 | 2.5 | 5 | 0.09 | 10 | 0.06 | 4.9 |
| 99T-219-1 Analytical Duplicate | 0.071 | 27 | 2.18 | 2.14 | 0.52 | 0.27 | 59 | 11 | 3.0 | 29 | 2.0 | 2.5 | 5 | 0.10 | 14 | 0.05 | 6.4 |
| 99T-219-2 Analytical Duplicate | 0.064 | 28 | 2.35 | 2.10 | 0.52 | 0.28 | 52 | 11 | 4.0 | 31 | 2.0 | 2.5 | 5 | 0.10 | 14 | 0.04 | 7.4 |
| 99T-220 | 0.039 | 29 | 1.82 | 1.85 | 0.42 | 0.24 | 85 | 10 | 3.0 | 26 | 1.0 | 2.5 | 5 | 0.08 | 14 | 0.07 | 4.7 |
| 99T-221 | 0.034 | 29 | 2.67 | 2.07 | 0.40 | 0.41 | 66 | 10 | 5.0 | 42 | 3.0 | 2.5 | 5 | 0.11 | 16 | 0.07 | 3.0 |
| 99T-223 | 0.036 | 26 | 1.86 | 2.07 | 0.35 | 0.32 | 96 | 8 | 3.0 | 28 | 0.5 | 2.5 | 5 | 0.07 | 12 | 0.08 | 9.5 |
| 99T-224 | 0.028 | 33 | 2.63 | 2.48 | 0.46 | 0.50 | 83 | 8 | 5.0 | 48 | 2.0 | 2.5 | 5 | 0.10 | 21 | 0.06 | 2.8 |
| 99T-225 | 0.060 | 19 | 1.29 | 1.29 | 0.52 | 0.21 | 83 | 7 | 2.0 | 18 | 0.5 | 2.5 | 5 | 0.05 | 6 | 0.13 | 15.6 |
| 99T-226 | 0.032 | 24 | 2.01 | 1.85 | 0.40 | 0.29 | 88 | 8 | 3.0 | 25 | 0.5 | 2.5 | 5 | 0.07 | 7 | 0.09 | 3.9 |
| 99T-227 | 0.026 | 27 | 2.11 | 1.91 | 0.36 | 0.32 | 84 | 9 | 3.0 | 29 | 1.0 | 2.5 | 5 | 0.08 | 14 | 0.07 | 4.5 |
| 99T-228 | 0.030 | 35 | 2.75 | 2.16 | 0.48 | 0.46 | 69 | 10 | 5.0 | 44 | 2.0 | 2.5 | 5 | 0.11 | 21 | 0.05 | 4.2 |
| 99T-229 | 0.054 | 34 | 2.33 | 1.80 | 0.58 | 0.28 | 93 | 14 | 4.0 | 30 | 2.0 | 2.5 | 5 | 0.07 | 5 | 0.10 | 7.0 |
| 99T-230-1 Analytical Duplicate | 0.032 | 26 | 2.15 | 1.77 | 0.41 | 0.37 | 83 | 8 | 4.0 | 32 | 1.0 | 2.5 | 5 | 0.08 | 9 | 0.08 | 4.3 |
| 99T-230-2 Analytical Duplicate | 0.026 | 27 | 2.11 | 1.79 | 0.40 | 0.35 | 85 | 9 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.08 | 8 | 0.08 | 4.2 |
| 99T-233 | 0.037 | 33 | 2.71 | 1.96 | 0.37 | 0.39 | 67 | 11 | 5.0 | 36 | 2.0 | 2.5 | 5 | 0.10 | 11 | 0.06 | 3.5 |
| 99T-234 | 0.036 | 31 | 2.56 | 1.91 | 0.40 | 0.35 | 71 | 9 | 5.0 | 36 | 2.0 | 2.5 | 5 | 0.09 | 14 | 0.06 | 4.0 |

| Sample Site | Hg ppm | La ppm | Al % | Mg % | Na % | K % | Sr ppm | Y ppm | Ga ppm | Li ppm | Nb ppm | Sc ppm | Ta ppm | Ti % | Zr ppm | S % | AsHY ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-235 | 0.020 | 27 | 2.15 | 1.66 | 0.38 | 0.27 | 87 | 8 | 4.0 | 32 | 1.0 | 2.5 | 5 | 0.09 | 9 | 0.07 | 3.4 |
| 99T-236 | 0.061 | 22 | 1.79 | 1.60 | 0.40 | 0.26 | 113 | 7 | 3.0 | 24 | 1.0 | 2.5 | 5 | 0.06 | 5 | 0.11 | 3.8 |
| 99T-237 | 0.028 | 27 | 2.07 | 1.87 | 0.39 | 0.32 | 99 | 9 | 4.0 | 31 | 1.0 | 2.5 | 5 | 0.08 | 13 | 0.08 | 4.5 |
| 99T-238 | 0.038 | 28 | 1.94 | 1.91 | 0.39 | 0.30 | 83 | 9 | 3.0 | 26 | 1.0 | 2.5 | 5 | 0.08 | 13 | 0.07 | 4.2 |
| 99T-239 | 0.053 | 31 | 1.92 | 2.11 | 0.35 | 0.26 | 81 | 10 | 3.0 | 29 | 2.0 | 2.5 | 5 | 0.10 | 10 | 0.06 | 5.3 |
| 99T-240 | 0.054 | 31 | 2.18 | 2.01 | 0.43 | 0.27 | 70 | 10 | 4.0 | 31 | 2.0 | 2.5 | 5 | 0.10 | 14 | 0.06 | 6.1 |
| 99T-241 | 0.025 | 33 | 2.62 | 2.07 | 0.42 | 0.42 | 72 | 10 | 5.0 | 40 | 2.0 | 2.5 | 5 | 0.09 | 18 | 0.06 | 4.8 |
| 99T-242 | 0.027 | 28 | 2.18 | 1.90 | 0.39 | 0.31 | 84 | 9 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 13 | 0.07 | 3.8 |
| 99T-243 | 0.035 | 29 | 2.17 | 1.95 | 0.33 | 0.32 | 86 | 10 | 3.0 | 32 | 1.0 | 2.5 | 5 | 0.09 | 15 | 0.07 | 4.1 |
| 99T-245 | 0.075 | 32 | 2.41 | 2.16 | 0.63 | 0.34 | 70 | 10 | 4.0 | 36 | 2.0 | 5.0 | 5 | 0.11 | 10 | 0.05 | 11.2 |
| 99T-246 | 0.062 | 30 | 2.15 | 2.04 | 0.39 | 0.30 | 84 | 10 | 4.0 | 32 | 2.0 | 2.5 | 5 | 0.09 | 10 | 0.07 | 3.9 |
| 99T-248-1 Analytical Duplicate | 0.041 | 28 | 2.44 | 1.85 | 0.45 | 0.32 | 84 | 9 | 5.0 | 36 | 2.0 | 2.5 | 5 | 0.09 | 9 | 0.08 | 2.9 |
| 99T-248-2 Analytical Duplicate | 0.036 | 30 | 2.39 | 1.84 | 0.34 | 0.33 | 97 | 10 | 4.0 | 35 | 2.0 | 2.5 | 5 | 0.09 | 11 | 0.08 | 2.1 |
| 99T-249 | 0.025 | 37 | 2.46 | 2.32 | 0.36 | 0.43 | 89 | 10 | 4.0 | 42 | 1.0 | 2.5 | 5 | 0.10 | 21 | 0.06 | 2.8 |
| 99T-250 | 0.031 | 37 | 3.74 | 1.73 | 0.50 | 0.57 | 37 | 10 | 8.0 | 57 | 3.0 | 7.0 | 5 | 0.12 | 21 | 0.02 | 3.7 |
| 99T-251 | 0.059 | 34 | 1.86 | 2.22 | 0.39 | 0.31 | 87 | 10 | 3.0 | 28 | 2.0 | 2.5 | 5 | 0.10 | 17 | 0.07 | 7.9 |
| 99T-252 | 0.029 | 30 | 3.29 | 1.99 | 0.52 | 0.48 | 57 | 10 | 7.0 | 51 | 3.0 | 6.0 | 5 | 0.11 | 20 | 0.04 | 2.6 |
| 99T-253 | 0.067 | 30 | 3.12 | 2.10 | 0.54 | 0.47 | 53 | 10 | 6.0 | 45 | 2.0 | 6.0 | 5 | 0.11 | 13 | 0.04 | 3.1 |
| 99T-260 | 0.025 | 25 | 2.06 | 1.76 | 0.39 | 0.34 | 106 | 8 | 3.0 | 31 | 1.0 | 2.5 | 5 | 0.08 | 7 | 0.08 | 3.3 |
| 99T-261 | 0.135 | 32 | 3.63 | 2.06 | 0.41 | 0.58 | 37 | 13 | 7.0 | 56 | 3.0 | 7.0 | 5 | 0.12 | 17 | 0.04 | 2.2 |
| 99T-262 | 0.049 | 30 | 1.89 | 1.98 | 0.33 | 0.30 | 84 | 10 | 3.0 | 28 | 0.5 | 2.5 | 5 | 0.09 | 16 | 0.07 | 7.4 |
| 99T-263 | 0.101 | 28 | 2.75 | 1.93 | 0.67 | 0.40 | 52 | 11 | 5.0 | 36 | 3.0 | 5.0 | 5 | 0.10 | 9 | 0.05 | 20.1 |
| 99T-264 | 0.068 | 37 | 3.74 | 1.64 | 0.68 | 0.28 | 48 | 16 | 8.0 | 53 | 3.0 | 6.0 | 5 | 0.07 | 4 | 0.11 | 3.6 |
| 99T-265 | 0.097 | 24 | 2.21 | 2.14 | 0.57 | 0.30 | 62 | 9 | 4.0 | 30 | 2.0 | 2.5 | 5 | 0.09 | 8 | 0.06 | 7.6 |
| 99T-266 | 0.048 | 28 | 1.89 | 2.04 | 0.53 | 0.20 | 76 | 9 | 3.0 | 24 | 2.0 | 2.5 | 5 | 0.08 | 7 | 0.08 | 5.3 |
| 99T-267 | 0.030 | 26 | 2.09 | 1.83 | 0.33 | 0.33 | 94 | 9 | 3.0 | 28 | 2.0 | 2.5 | 5 | 0.08 | 6 | 0.08 | 3.1 |
| 99T-268 | 0.092 | 24 | 2.18 | 1.89 | 0.81 | 0.25 | 75 | 9 | 4.0 | 26 | 2.0 | 2.5 | 5 | 0.06 | 3 | 0.10 | 10.0 |
| 99T-269 | 0.035 | 22 | 1.71 | 1.73 | 0.39 | 0.24 | 103 | 8 | 3.0 | 22 | 0.5 | 2.5 | 5 | 0.06 | 4 | 0.10 | 2.6 |
| 99T-271 | 0.078 | 26 | 2.45 | 1.90 | 0.46 | 0.26 | 63 | 10 | 4.0 | 30 | 2.0 | 2.5 | 5 | 0.10 | 6 | 0.06 | 5.4 |
| 99T-272 | 0.052 | 28 | 2.24 | 2.00 | 0.39 | 0.28 | 81 | 9 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 10 | 0.07 | 3.4 |
| 99T-273 | 0.056 | 28 | 2.58 | 1.87 | 0.50 | 0.36 | 79 | 10 | 5.0 | 33 | 0.5 | 2.5 | 5 | 0.09 | 9 | 0.07 | 4.5 |
| 99T-274 | 0.117 | 31 | 3.46 | 1.71 | 0.69 | 0.43 | 38 | 14 | 7.0 | 46 | 3.0 | 7.0 | 5 | 0.11 | 12 | 0.03 | 6.6 |
| 99T-275 | 0.116 | 57 | 3.87 | 1.80 | 1.18 | 0.36 | 37 | 26 | 8.0 | 45 | 3.0 | 8.0 | 5 | 0.07 | 5 | 0.07 | 8.1 |
| 99T-276-1 Analytical Duplicate | 0.036 | 28 | 2.60 | 1.80 | 0.42 | 0.33 | 78 | 10 | 5.0 | 33 | 2.0 | 2.5 | 5 | 0.08 | 6 | 0.08 | 5.7 |
| 99T-276-2 Analytical Duplicate | 0.034 | 35 | 3.16 | 2.15 | 0.51 | 0.41 | 61 | 15 | 5.0 | 39 | 2.0 | 6.0 | 5 | 0.09 | 6 | 0.06 | 9.1 |
| 99T-277 | 0.055 | 31 | 2.37 | 1.96 | 0.44 | 0.33 | 71 | 10 | 4.0 | 33 | 2.0 | 2.5 | 5 | 0.10 | 16 | 0.06 | 5.3 |
| 99T-278 | 0.050 | 31 | 2.27 | 2.11 | 0.41 | 0.29 | 88 | 10 | 4.0 | 31 | 2.0 | 2.5 | 5 | 0.10 | 13 | 0.07 | 6.6 |
| 99T-279 | 0.079 | 25 | 1.94 | 2.09 | 0.72 | 0.23 | 73 | 8 | 3.0 | 25 | 1.0 | 2.5 | 5 | 0.07 | 3 | 0.08 | 6.0 |
| 99T-281 | 0.049 | 28 | 2.38 | 1.76 | 0.52 | 0.25 | 70 | 9 | 4.0 | 31 | 2.0 | 2.5 | 5 | 0.08 | 6 | 0.08 | 3.5 |
| 99T-282 | 0.042 | 27 | 2.12 | 1.97 | 0.47 | 0.23 | 79 | 10 | 3.0 | 25 | 0.5 | 2.5 | 5 | 0.08 | 6 | 0.08 | 5.0 |
| 99T-284 | 0.039 | 26 | 2.33 | 2.06 | 0.39 | 0.34 | 74 | 9 | 4.0 | 35 | 2.0 | 2.5 | 5 | 0.09 | 17 | 0.06 | 2.2 |
| 99T-285 | 0.022 | 38 | 2.50 | 2.14 | 0.38 | 0.52 | 81 | 11 | 4.0 | 42 | 1.0 | 5.0 | 5 | 0.11 | 19 | 0.05 | 2.3 |
| 99T-286 | 0.051 | 28 | 2.73 | 2.03 | 0.59 | 0.36 | 63 | 9 | 5.0 | 35 | 2.0 | 2.5 | 5 | 0.09 | 7 | 0.07 | 4.3 |
| 99T-287 | 0.082 | 26 | 2.60 | 1.74 | 0.60 | 0.21 | 64 | 10 | 5.0 | 32 | 2.0 | 2.5 | 5 | 0.08 | 5 | 0.08 | 5.4 |
| 99T-288 | 0.047 | 32 | 2.28 | 2.01 | 0.47 | 0.35 | 74 | 10 | 4.0 | 33 | 1.0 | 2.5 | 5 | 0.10 | 15 | 0.05 | 4.6 |
| 99T-289 | 0.058 | 30 | 2.27 | 1.88 | 0.41 | 0.29 | 71 | 10 | 4.0 | 31 | 2.0 | 2.5 | 5 | 0.10 | 12 | 0.06 | 6.0 |
| 99T-290 | 0.028 | 27 | 2.06 | 1.86 | 0.38 | 0.28 | 90 | 9 | 3.0 | 29 | 1.0 | 2.5 | 5 | 0.08 | 10 | 0.08 | 3.4 |
| 99T-291 | 0.035 | 27 | 2.13 | 1.85 | 0.40 | 0.30 | 85 | 9 | 3.0 | 29 | 0.5 | 2.5 | 5 | 0.08 | 14 | 0.07 | 4.2 |
| 99T-292-1 Analytical Duplicate | 0.054 | 31 | 2.62 | 2.06 | 0.36 | 0.50 | 71 | 10 | 5.0 | 41 | 2.0 | 5.0 | 5 | 0.11 | 16 | 0.05 | 6.0 |
| 99T-292-2 Analytical Duplicate | 0.056 | 33 | 2.57 | 2.11 | 0.35 | 0.45 | 75 | 10 | 4.0 | 41 | 2.0 | 5.0 | 5 | 0.11 | 17 | 0.05 | 15.8 |
| 99T-293 | 0.070 | 28 | 2.19 | 2.23 | 0.65 | 0.35 | 78 | 9 | 4.0 | 32 | 2.0 | 2.5 | 5 | 0.10 | 7 | 0.06 | 8.9 |
| 99T-294 | 0.035 | 29 | 2.80 | 2.09 | 0.37 | 0.46 | 58 | 9 | 5.0 | 43 | 3.0 | 5.0 | 5 | 0.11 | 18 | 0.07 | 2.4 |
| 99T-295 | 0.065 | 25 | 1.96 | 1.88 | 0.47 | 0.23 | 114 | 8 | 3.0 | 29 | 1.0 | 2.5 | 5 | 0.08 | 6 | 0.10 | 5.8 |
| 99T-296 | 0.058 | 32 | 2.50 | 2.13 | 0.37 | 0.41 | 75 | 10 | 4.0 | 37 | 1.0 | 2.5 | 5 | 0.11 | 18 | 0.05 | 4.4 |
| 99T-297 | 0.063 | 29 | 2.70 | 2.09 | 0.37 | 0.50 | 62 | 11 | 5.0 | 41 | 2.0 | 5.0 | 5 | 0.11 | 12 | 0.06 | 1.8 |
| 99T-298 | 0.049 | 32 | 2.44 | 2.09 | 0.33 | 0.39 | 75 | 10 | 4.0 | 39 | 1.0 | 2.5 | 5 | 0.10 | 19 | 0.05 | 4.8 |

| Sample Site | Hg ppm | La ppm | Al % | Mg % | Na % | K % | Sr ppm | Y ppm | Ga ppm | Li ppm | Nb ppm | Sc ppm | Ta ppm | Ti % | Zr ppm | S % | AsHY ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-299 | 0.093 | 27 | 2.94 | 2.33 | 0.42 | 0.41 | 60 | 9 | 5.0 | 44 | 2.0 | 7.0 | 5 | 0.10 | 13 | 0.04 | 14.4 |
| 99T-300 | 0.036 | 31 | 2.27 | 2.00 | 0.40 | 0.30 | 77 | 9 | 4.0 | 34 | 2.0 | 2.5 | 5 | 0.09 | 14 | 0.07 | 3.5 |
| 99T-301 | 0.037 | 23 | 1.48 | 1.71 | 0.50 | 0.20 | 110 | 8 | 2.0 | 21 | 1.0 | 2.5 | 5 | 0.06 | 3 | 0.11 | 3.5 |
| 99T-302 | 0.109 | 32 | 3.68 | 1.93 | 0.67 | 0.27 | 47 | 15 | 8.0 | 47 | 2.0 | 7.0 | 5 | 0.10 | 8 | 0.04 | 6.4 |
| 99T-303 | 0.048 | 31 | 1.89 | 1.95 | 0.34 | 0.31 | 111 | 10 | 3.0 | 28 | 0.5 | 2.5 | 5 | 0.08 | 9 | 0.08 | 5.1 |
| 99T-304 | 0.063 | 30 | 2.70 | 2.08 | 0.56 | 0.25 | 57 | 10 | 5.0 | 33 | 2.0 | 5.0 | 5 | 0.11 | 8 | 0.05 | 8.0 |
| 99T-305 | 0.091 | 20 | 1.21 | 2.79 | 0.30 | 0.16 | 79 | 7 | 1.0 | 17 | 1.0 | 2.5 | 5 | 0.06 | 5 | 0.07 | 3.1 |
| 99T-306 | 0.038 | 29 | 2.48 | 2.16 | 0.49 | 0.41 | 71 | 9 | 4.0 | 37 | 2.0 | 2.5 | 5 | 0.10 | 9 | 0.05 | 7.7 |
| 99T-308 | 0.036 | 31 | 2.28 | 2.04 | 0.38 | 0.33 | 75 | 10 | 4.0 | 33 | 2.0 | 2.5 | 5 | 0.09 | 8 | 0.06 | 5.5 |
| 99T-310 | 0.054 | 26 | 1.78 | 1.91 | 0.96 | 0.23 | 89 | 8 | 3.0 | 25 | 1.0 | 2.5 | 5 | 0.07 | 6 | 0.08 | 5.5 |
| 99T-311 | 0.141 | 28 | 2.34 | 2.17 | 0.43 | 0.34 | 73 | 9 | 4.0 | 35 | 1.0 | 2.5 | 5 | 0.10 | 15 | 0.05 | 5.9 |
| 99T-312 | 0.069 | 32 | 3.14 | 1.77 | 0.60 | 0.27 | 52 | 13 | 6.0 | 36 | 3.0 | 2.5 | 5 | 0.07 | 3 | 0.09 | 6.2 |
| 99T-314-1 Analytical Duplicate | 0.036 | 29 | 2.24 | 2.02 | 0.42 | 0.31 | 82 | 9 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 6 | 0.07 | 2.8 |
| 99T-314-2 Analytical Duplicate | 0.032 | 29 | 2.21 | 2.07 | 0.43 | 0.31 | 84 | 10 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 6 | 0.07 | 3.0 |
| 99T-315 | 0.041 | 31 | 2.13 | 2.08 | 0.33 | 0.30 | 85 | 10 | 3.0 | 31 | 1.0 | 2.5 | 5 | 0.10 | 6 | 0.07 | 3.8 |
| 99T-316 | 0.027 | 37 | 2.24 | 2.09 | 0.43 | 0.36 | 91 | 10 | 4.0 | 36 | 2.0 | 2.5 | 5 | 0.11 | 5 | 0.06 | 2.5 |
| 99T-317 | 0.049 | 30 | 3.24 | 2.48 | 0.40 | 0.36 | 45 | 10 | 6.0 | 48 | 3.0 | 6.0 | 5 | 0.13 | 14 | 0.03 | 2.5 |
| 99T-319 | 0.029 | 25 | 2.03 | 1.83 | 0.36 | 0.28 | 99 | 9 | 3.0 | 28 | 0.5 | 2.5 | 5 | 0.07 | 4 | 0.09 | 3.9 |
| 99T-320 | 0.049 | 31 | 2.41 | 2.05 | 0.41 | 0.32 | 82 | 10 | 4.0 | 33 | 2.0 | 2.5 | 5 | 0.10 | 7 | 0.06 | 4.4 |
| 99T-322 | 0.056 | 30 | 2.31 | 1.84 | 0.55 | 0.26 | 84 | 10 | 4.0 | 36 | 2.0 | 2.5 | 5 | 0.08 | 4 | 0.08 | 7.2 |
| 99T-324 | 0.059 | 23 | 1.58 | 1.52 | 0.59 | 0.20 | 109 | 8 | 2.0 | 21 | 2.0 | 2.5 | 5 | 0.06 | 1 | 0.12 | 4.7 |
| 99T-325 | 0.044 | 30 | 2.52 | 1.88 | 0.49 | 0.40 | 81 | 10 | 4.0 | 36 | 2.0 | 2.5 | 5 | 0.11 | 6 | 0.06 | 3.5 |
| 99T-326 | 0.038 | 30 | 2.13 | 2.04 | 0.37 | 0.30 | 81 | 10 | 3.0 | 32 | 1.0 | 2.5 | 5 | 0.10 | 3 | 0.06 | 4.2 |
| 99T-327 | 0.044 | 29 | 1.93 | 2.07 | 0.40 | 0.24 | 86 | 9 | 3.0 | 26 | 2.0 | 2.5 | 5 | 0.09 | 5 | 0.07 | 5.0 |
| 99T-328 | 0.063 | 29 | 2.71 | 1.95 | 0.42 | 0.40 | 63 | 10 | 5.0 | 40 | 2.0 | 5.0 | 5 | 0.11 | 7 | 0.05 | 6.1 |
| 99T-329-1 Analytical Duplicate | 0.034 | 31 | 1.82 | 2.01 | 0.38 | 0.23 | 103 | 10 | 2.0 | 24 | 1.0 | 2.5 | 5 | 0.08 | 7 | 0.08 | 4.2 |
| 99T-329-2 Analytical Duplicate | 0.033 | 30 | 1.73 | 2.01 | 0.36 | 0.22 | 102 | 9 | 2.0 | 23 | 1.0 | 2.5 | 5 | 0.08 | 5 | 0.08 | 4.4 |
| 99T-330 | 0.032 | 30 | 1.90 | 2.03 | 0.31 | 0.28 | 99 | 9 | 3.0 | 29 | 1.0 | 2.5 | 5 | 0.09 | 18 | 0.07 | 7.9 |
| 99T-331 | 0.035 | 31 | 1.87 | 2.12 | 0.33 | 0.24 | 86 | 10 | 3.0 | 26 | 0.5 | 2.5 | 5 | 0.09 | 17 | 0.07 | 3.6 |
| 99T-332 | 0.045 | 30 | 1.83 | 2.02 | 0.35 | 0.28 | 86 | 10 | 3.0 | 28 | 2.0 | 2.5 | 5 | 0.09 | 11 | 0.07 | 4.7 |
| 99T-334 | 0.033 | 28 | 2.85 | 1.97 | 0.46 | 0.40 | 75 | 9 | 6.0 | 41 | 2.0 | 2.5 | 5 | 0.09 | 14 | 0.06 | 4.9 |
| 99T-335 | 0.030 | 34 | 2.43 | 2.39 | 0.37 | 0.37 | 78 | 9 | 4.0 | 39 | 2.0 | 2.5 | 5 | 0.10 | 18 | 0.06 | 1.9 |
| 99T-338 | 0.027 | 35 | 2.51 | 2.08 | 0.43 | 0.41 | 69 | 10 | 5.0 | 36 | 2.0 | 2.5 | 5 | 0.10 | 17 | 0.05 | 4.1 |
| 99T-341 | 0.041 | 35 | 1.98 | 2.19 | 0.45 | 0.29 | 86 | 10 | 3.0 | 26 | 1.0 | 2.5 | 5 | 0.10 | 16 | 0.07 | 8.5 |
| 99T-343 | 0.045 | 28 | 2.14 | 1.98 | 0.49 | 0.28 | 109 | 9 | 4.0 | 31 | 1.0 | 2.5 | 5 | 0.08 | 12 | 0.08 | 10.0 |
| 99T-344 | 0.060 | 29 | 2.22 | 2.06 | 0.51 | 0.32 | 86 | 8 | 4.0 | 34 | 2.0 | 2.5 | 5 | 0.09 | 9 | 0.08 | 18.9 |
| 99T-345 | 0.030 | 31 | 1.84 | 1.98 | 0.37 | 0.27 | 99 | 10 | 3.0 | 24 | 1.0 | 2.5 | 5 | 0.08 | 15 | 0.09 | 50.0 |
| 99T-346 | 0.054 | 32 | 2.04 | 2.17 | 0.46 | 0.31 | 77 | 8 | 4.0 | 29 | 2.0 | 2.5 | 5 | 0.09 | 9 | 0.07 | 16.9 |
| 99T-347 | 0.070 | 27 | 2.65 | 1.89 | 0.47 | 0.34 | 71 | 9 | 5.0 | 36 | 2.0 | 5.0 | 5 | 0.11 | 16 | 0.05 | 5.7 |
| 99T-349 | 0.086 | 27 | 3.03 | 2.03 | 0.39 | 0.46 | 57 | 9 | 6.0 | 47 | 2.0 | 6.0 | 5 | 0.11 | 19 | 0.04 | 3.7 |
| 99T-350 | 0.052 | 30 | 2.75 | 1.94 | 0.46 | 0.33 | 62 | 9 | 5.0 | 37 | 2.0 | 5.0 | 5 | 0.11 | 16 | 0.05 | 4.1 |
| 99T-351 | 0.025 | 30 | 2.40 | 2.65 | 0.34 | 0.41 | 83 | 8 | 4.0 | 39 | 0.5 | 2.5 | 5 | 0.09 | 20 | 0.06 | 2.4 |

Appendix T-2

# Duplicate Pair ICP-AES, Hg (Cold Vapour - AAS) And As (Hydride Generation) Analyses For The <2 Micron Size Fraction Of Till Samples.

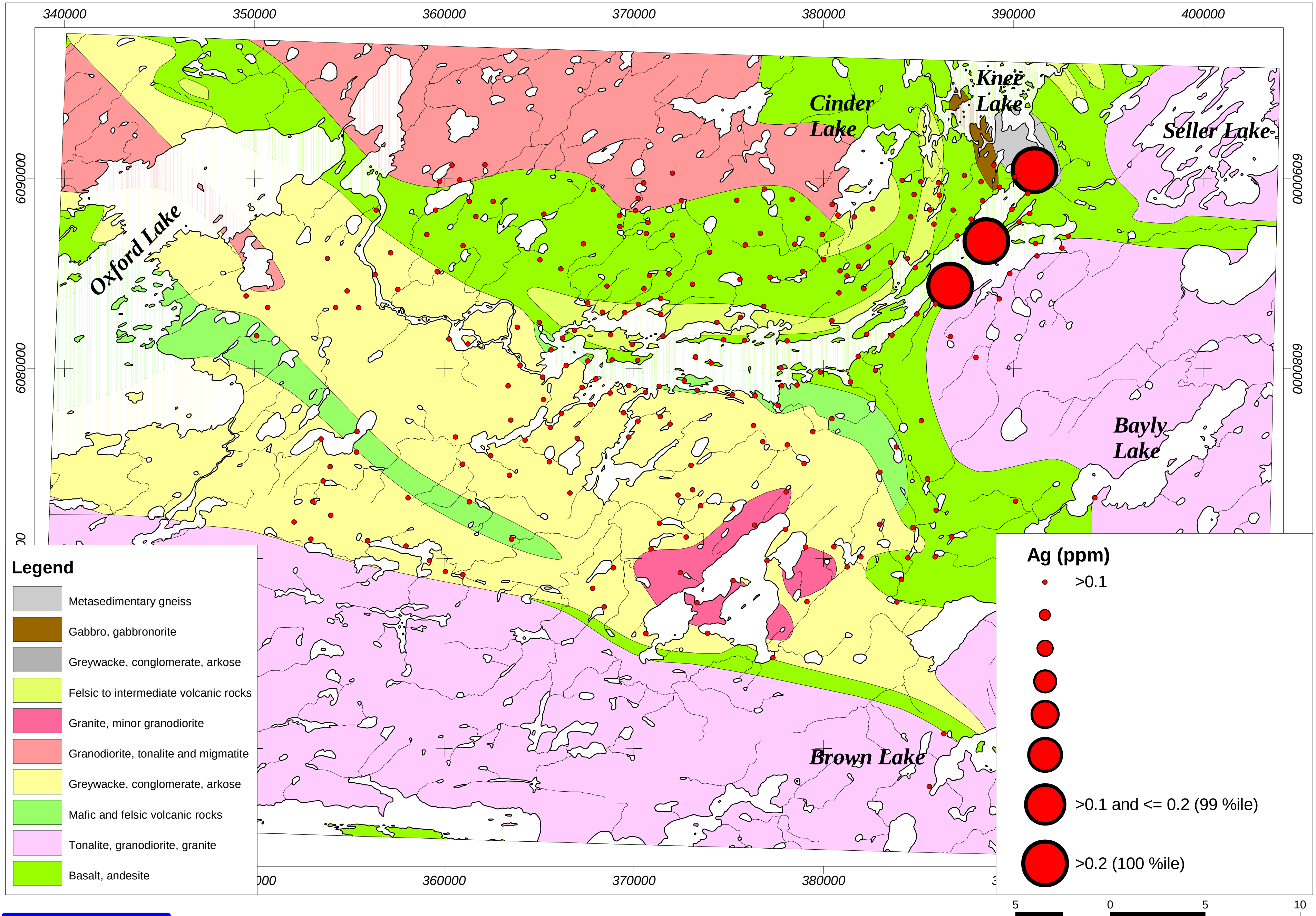
| Sample Site | UTM Easting | UTM Northing | Ag ppm | Cu ppm | Pb ppm | Zn ppm | Mo ppm | Ni ppm | Co ppm | Cd ppm | Bi ppm | As ppm | Sb ppm | Fe % | Mn ppm | Te ppm | Ba ppm | Cr ppm | V ppm | Sn ppm | W ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-21-1 Analytical Duplicate | 384823.47 | 6085301.09 | 0.1 | 28 | 11 | 46 | 1.0 | 21 | 9 | 0.3 | 2.5 | 8.0 | 2.5 | 2.54 | 377 | 5 | 62 | 32 | 26 | 10 | 10 |
| 99T-21-2 Analytical Duplicate | 384823.47 | 6085301.09 | 0.1 | 27 | 11 | 53 | 2.0 | 25 | 11 | 0.3 | 2.5 | 8.0 | 2.5 | 2.93 | 391 | 5 | 68 | 42 | 32 | 10 | 10 |
| 99T-41-1 Analytical Duplicate | 391167.56 | 6086589.75 | 0.1 | 39 | 12 | 67 | 0.5 | 31 | 13 | 0.3 | 2.5 | 8.0 | 2.5 | 3.42 | 552 | 5 | 95 | 47 | 42 | 10 | 10 |
| 99T-41-2 Analytical Duplicate | 391167.56 | 6086589.75 | 0.1 | 35 | 14 | 67 | 0.5 | 32 | 13 | 0.3 | 2.5 | 9.0 | 2.5 | 3.40 | 556 | 5 | 92 | 47 | 41 | 10 | 10 |
| 99T-73-1 Analytical Duplicate | 370656.16 | 6087109.32 | 0.1 | 55 | 15 | 71 | 0.5 | 40 | 15 | 0.3 | 2.5 | 13.0 | 2.5 | 4.37 | 457 | 5 | 102 | 60 | 51 | 10 | 10 |
| 99T-73-2 Analytical Duplicate | 370656.16 | 6087109.32 | 0.1 | 51 | 17 | 72 | 1.0 | 39 | 16 | 0.1 | 2.5 | 12.0 | 2.5 | 4.08 | 542 | 5 | 101 | 59 | 49 | 10 | 10 |
| 99T-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 0.1 | 55 | 24 | 78 | 0.5 | 37 | 16 | 0.3 | 2.5 | 11.0 | 2.5 | 4.01 | 652 | 5 | 93 | 50 | 42 | 10 | 10 |
| 99T-82-2 Analytical Duplicate | 372516.50 | 6088851.06 | 0.1 | 58 | 24 | 81 | 2.0 | 38 | 16 | 0.2 | 2.5 | 15.0 | 2.5 | 4.03 | 649 | 5 | 94 | 51 | 43 | 10 | 10 |
| 99T-124-1 Analytical Duplicate | 362147.22 | 6090729.66 | 0.1 | 34 | 12 | 63 | 1.0 | 30 | 13 | 0.5 | 2.5 | 2.5 | 2.5 | 3.38 | 560 | 5 | 82 | 45 | 35 | 10 | 10 |
| 99T-124-2 Analytical Duplicate | 362147.22 | 6090729.66 | 0.1 | 32 | 10 | 58 | 1.0 | 30 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 3.18 | 475 | 5 | 87 | 43 | 36 | 10 | 10 |
| 99T-145-1 Analytical Duplicate | 365012.13 | 6082425.90 | 0.1 | 47 | 17 | 54 | 0.5 | 33 | 14 | 0.4 | 2.5 | 2.5 | 2.5 | 3.06 | 490 | 5 | 75 | 44 | 32 | 10 | 10 |
| 99T-145-2 Analytical Duplicate | 365012.13 | 6082425.90 | 0.1 | 15 | 5 | 18 | 1.0 | 10 | 5 | 0.1 | 2.5 | 2.5 | 2.5 | 1.16 | 251 | 5 | 24 | 16 | 13 | 10 | 10 |
| 99T-219-1 Analytical Duplicate | 367825.77 | 6068425.98 | 0.1 | 34 | 14 | 69 | 0.5 | 34 | 14 | 0.4 | 2.5 | 7.0 | 2.5 | 3.56 | 537 | 5 | 82 | 51 | 38 | 10 | 10 |
| 99T-219-2 Analytical Duplicate | 367825.77 | 6068425.98 | 0.1 | 37 | 15 | 75 | 0.5 | 38 | 15 | 0.4 | 2.5 | 8.0 | 2.5 | 3.80 | 517 | 5 | 85 | 55 | 40 | 10 | 10 |
| 99T-230-1 Analytical Duplicate | 355405.44 | 6076684.24 | 0.1 | 24 | 12 | 55 | 1.0 | 27 | 10 | 0.5 | 2.5 | 2.5 | 2.5 | 3.01 | 410 | 5 | 94 | 42 | 33 | 10 | 10 |
| 99T-230-2 Analytical Duplicate | 355405.44 | 6076684.24 | 0.1 | 25 | 11 | 55 | 1.0 | 28 | 11 | 0.4 | 2.5 | 2.5 | 2.5 | 3.03 | 428 | 5 | 90 | 41 | 32 | 10 | 10 |
| 99T-248-1 Analytical Duplicate | 363998.87 | 6080166.06 | 0.1 | 27 | 14 | 67 | 0.5 | 40 | 16 | 0.2 | 2.5 | 6.0 | 2.5 | 3.59 | 442 | 5 | 90 | 55 | 44 | 10 | 10 |
| 99T-248-2 Analytical Duplicate | 363998.87 | 6080166.06 | 0.1 | 27 | 14 | 68 | 0.5 | 39 | 15 | 0.2 | 2.5 | 2.5 | 2.5 | 3.56 | 527 | 5 | 99 | 57 | 43 | 10 | 10 |
| 99T-276-1 Analytical Duplicate | 385148.66 | 6077248.38 | 0.1 | 28 | 13 | 67 | 1.0 | 37 | 14 | 0.3 | 2.5 | 10.0 | 2.5 | 3.61 | 516 | 5 | 80 | 52 | 41 | 10 | 10 |
| 99T-276-2 Analytical Duplicate | 385148.66 | 6077248.38 | 0.1 | 28 | 17 | 81 | 0.5 | 44 | 17 | 0.2 | 2.5 | 14.0 | 2.5 | 4.43 | 615 | 5 | 98 | 66 | 51 | 10 | 10 |
| 99T-292-1 Analytical Duplicate | 372658.22 | 6079359.51 | 0.1 | 36 | 16 | 90 | 1.0 | 44 | 19 | 0.3 | 2.5 | 6.0 | 2.5 | 4.12 | 696 | 5 | 97 | 62 | 48 | 10 | 10 |
| 99T-292-2 Analytical Duplicate | 372658.22 | 6079359.51 | 0.1 | 36 | 14 | 88 | 2.0 | 44 | 18 | 0.3 | 2.5 | 20.0 | 2.5 | 4.06 | 664 | 5 | 97 | 61 | 48 | 10 | 10 |
| 99T-314-1 Analytical Duplicate | 380441.27 | 6077362.52 | 0.1 | 31 | 11 | 60 | 2.0 | 33 | 12 | 0.4 | 2.5 | 10.0 | 2.5 | 3.18 | 539 | 5 | 92 | 51 | 36 | 10 | 10 |
| 99T-314-2 Analytical Duplicate | 380441.27 | 6077362.52 | 0.1 | 28 | 11 | 60 | 2.0 | 34 | 13 | 0.3 | 2.5 | 2.5 | 2.5 | 3.19 | 586 | 5 | 93 | 51 | 37 | 10 | 10 |
| 99T-329-1 Analytical Duplicate | 373524.62 | 6072776.30 | 0.1 | 31 | 12 | 58 | 2.0 | 27 | 11 | 0.5 | 2.5 | 5.0 | 2.5 | 2.94 | 567 | 5 | 106 | 44 | 31 | 10 | 10 |
| 99T-329-2 Analytical Duplicate | 373524.62 | 6072776.30 | 0.1 | 31 | 11 | 56 | 2.0 | 26 | 11 | 0.3 | 2.5 | 2.5 | 2.5 | 2.79 | 543 | 5 | 100 | 42 | 32 | 10 | 10 |

| Sample Site | Hg ppm | La ppm | Al % | Mg % | Na % | K % | Sr ppm | Y ppm | Ga ppm | Li ppm | Nb ppm | Sc ppm | Ta ppm | Ti % | Zr ppm | S % | AsHY ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-21-1 Analytical Duplicate | 0.032 | 23 | 1.38 | 1.92 | 0.36 | 0.16 | 95 | 8 | 1.0 | 19 | 0.5 | 2.5 | 5 | 0.06 | 6 | 0.08 | 5.4 |
| 99T-21-2 Analytical Duplicate | 0.028 | 24 | 1.73 | 1.86 | 0.44 | 0.21 | 87 | 8 | 3.0 | 23 | 1.0 | 2.5 | 5 | 0.08 | 9 | 0.07 | 5.1 |
| 99T-41-1 Analytical Duplicate | 0.049 | 31 | 2.08 | 2.00 | 0.36 | 0.31 | 100 | 10 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 11 | 0.07 | 5.7 |
| 99T-41-2 Analytical Duplicate | 0.039 | 32 | 2.04 | 2.05 | 0.34 | 0.30 | 99 | 10 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 12 | 0.07 | 6.1 |
| 99T-73-1 Analytical Duplicate | 0.077 | 30 | 2.93 | 1.84 | 0.56 | 0.28 | 59 | 13 | 5.0 | 35 | 2.0 | 7.0 | 5 | 0.09 | 8 | 0.06 | 8.0 |
| 99T-73-2 Analytical Duplicate | 0.078 | 28 | 2.63 | 1.92 | 0.50 | 0.28 | 65 | 11 | 5.0 | 33 | 2.0 | 6.0 | 5 | 0.10 | 10 | 0.06 | 9.2 |
| 99T-82-1 Analytical Duplicate | 0.089 | 32 | 2.31 | 2.09 | 0.49 | 0.30 | 78 | 11 | 4.0 | 34 | 1.0 | 6.0 | 5 | 0.09 | 14 | 0.05 | 9.8 |
| 99T-82-2 Analytical Duplicate | 0.103 | 32 | 2.41 | 2.13 | 0.56 | 0.30 | 76 | 11 | 4.0 | 35 | 0.5 | 6.0 | 5 | 0.10 | 13 | 0.05 | 11.0 |
| 99T-124-1 Analytical Duplicate | 0.041 | 32 | 2.08 | 1.91 | 0.33 | 0.29 | 100 | 10 | 3.0 | 29 | 0.5 | 5.0 | 5 | 0.08 | 13 | 0.07 | 4.8 |
| 99T-124-2 Analytical Duplicate | 0.039 | 31 | 2.06 | 1.90 | 0.34 | 0.29 | 98 | 10 | 3.0 | 29 | 0.5 | 5.0 | 5 | 0.08 | 10 | 0.07 | 4.6 |
| 99T-145-1 Analytical Duplicate | 0.127 | 26 | 2.03 | 1.77 | 0.60 | 0.19 | 82 | 11 | 4.0 | 24 | 1.0 | 2.5 | 5 | 0.05 | 2 | 0.11 | 2.8 |
| 99T-145-2 Analytical Duplicate | 0.031 | 14 | 0.66 | 3.03 | 0.16 | 0.07 | 79 | 5 | 1.0 | 8 | 0.5 | 2.5 | 5 | 0.03 | 2 | 0.08 | 1.1 |
| 99T-219-1 Analytical Duplicate | 0.071 | 27 | 2.18 | 2.14 | 0.52 | 0.27 | 59 | 11 | 3.0 | 29 | 2.0 | 2.5 | 5 | 0.10 | 14 | 0.05 | 6.4 |
| 99T-219-2 Analytical Duplicate | 0.064 | 28 | 2.35 | 2.10 | 0.52 | 0.28 | 52 | 11 | 4.0 | 31 | 2.0 | 2.5 | 5 | 0.10 | 14 | 0.04 | 7.4 |
| 99T-230-1 Analytical Duplicate | 0.032 | 26 | 2.15 | 1.77 | 0.41 | 0.37 | 83 | 8 | 4.0 | 32 | 1.0 | 2.5 | 5 | 0.08 | 9 | 0.08 | 4.3 |
| 99T-230-2 Analytical Duplicate | 0.026 | 27 | 2.11 | 1.79 | 0.40 | 0.35 | 85 | 9 | 4.0 | 30 | 1.0 | 2.5 | 5 | 0.08 | 8 | 0.08 | 4.2 |
| 99T-248-1 Analytical Duplicate | 0.041 | 28 | 2.44 | 1.85 | 0.45 | 0.32 | 84 | 9 | 5.0 | 36 | 2.0 | 2.5 | 5 | 0.09 | 9 | 0.08 | 2.9 |
| 99T-248-2 Analytical Duplicate | 0.036 | 30 | 2.39 | 1.84 | 0.34 | 0.33 | 97 | 10 | 4.0 | 35 | 2.0 | 2.5 | 5 | 0.09 | 11 | 0.08 | 2.1 |
| 99T-276-1 Analytical Duplicate | 0.036 | 28 | 2.60 | 1.80 | 0.42 | 0.33 | 78 | 10 | 5.0 | 33 | 2.0 | 2.5 | 5 | 0.08 | 6 | 0.08 | 5.7 |
| 99T-276-2 Analytical Duplicate | 0.034 | 35 | 3.16 | 2.15 | 0.51 | 0.41 | 61 | 15 | 5.0 | 39 | 2.0 | 6.0 | 5 | 0.09 | 6 | 0.06 | 9.1 |
| 99T-292-1 Analytical Duplicate | 0.054 | 31 | 2.62 | 2.06 | 0.36 | 0.50 | 71 | 10 | 5.0 | 41 | 2.0 | 5.0 | 5 | 0.11 | 16 | 0.05 | 6.0 |
| 99T-292-2 Analytical Duplicate | 0.056 | 33 | 2.57 | 2.11 | 0.35 | 0.45 | 75 | 10 | 4.0 | 41 | 2.0 | 5.0 | 5 | 0.11 | 17 | 0.05 | 15.8 |
| 99T-314-1 Analytical Duplicate | 0.036 | 29 | 2.24 | 2.02 | 0.42 | 0.31 | 82 | 9 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 6 | 0.07 | 2.8 |
| 99T-314-2 Analytical Duplicate | 0.032 | 29 | 2.21 | 2.07 | 0.43 | 0.31 | 84 | 10 | 3.0 | 30 | 1.0 | 2.5 | 5 | 0.09 | 6 | 0.07 | 3.0 |
| 99T-329-1 Analytical Duplicate | 0.034 | 31 | 1.82 | 2.01 | 0.38 | 0.23 | 103 | 10 | 2.0 | 24 | 1.0 | 2.5 | 5 | 0.08 | 7 | 0.08 | 4.2 |
| 99T-329-2 Analytical Duplicate | 0.033 | 30 | 1.73 | 2.01 | 0.36 | 0.22 | 102 | 9 | 2.0 | 23 | 1.0 | 2.5 | 5 | 0.08 | 5 | 0.08 | 4.4 |

Appendix T-3: ICP-AES, Hg And As Percentile Bubble Plots For The <2 Micron Size Fraction Of Till Samples.

| | | | | |
|---|---|---|---|---|
| Ag | Cu | Pb | Zn | Mo |
| Ni | Co | Cd | As | Fe |
| Mn | Ba | Cr | V | Hg |
| La | Al | Mg | Na | K |
| Sr | Y | Ga | Li | Nb |
| Sc | Ti | Zr | S | As (hydride) |

CONTENTS

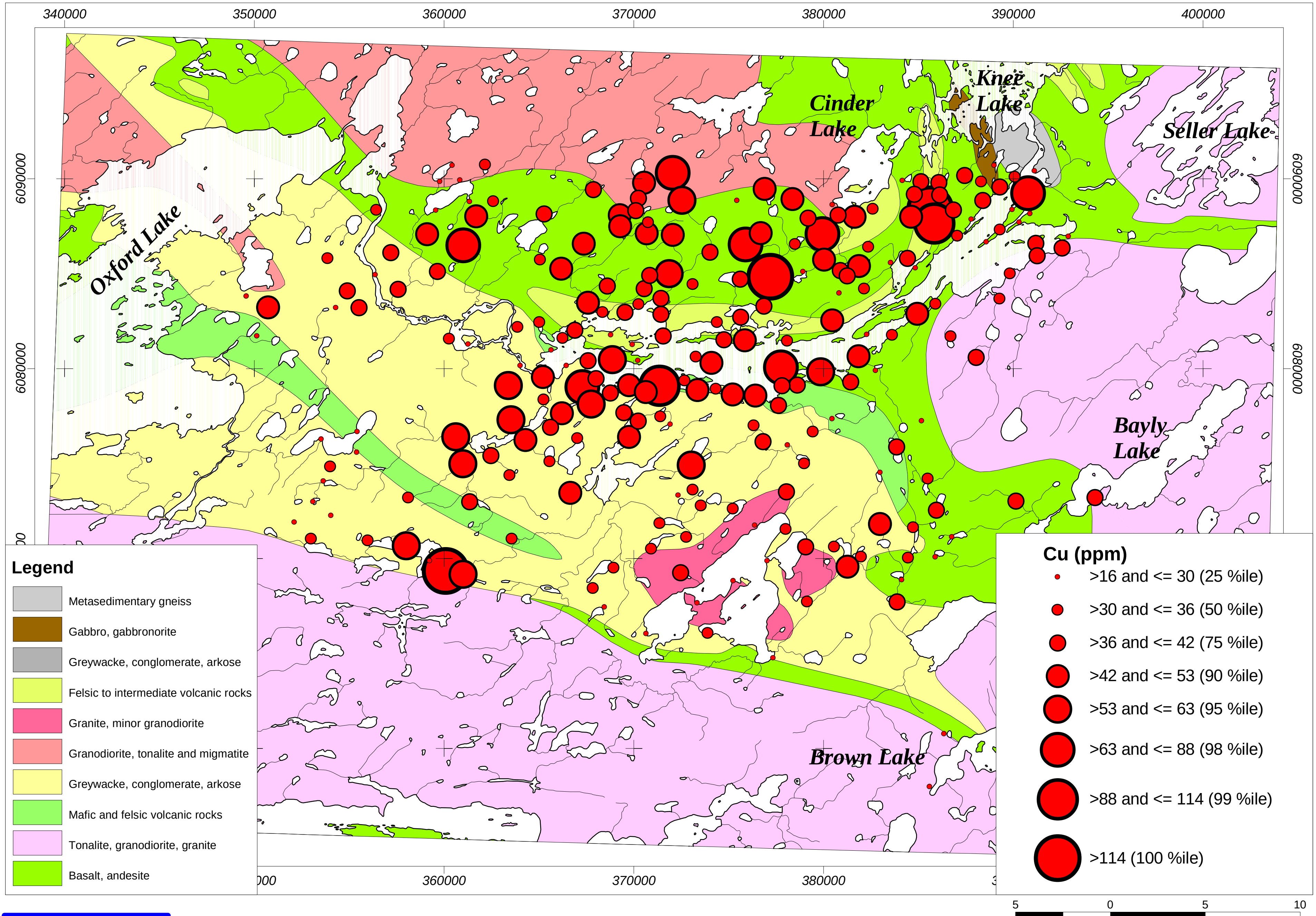



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

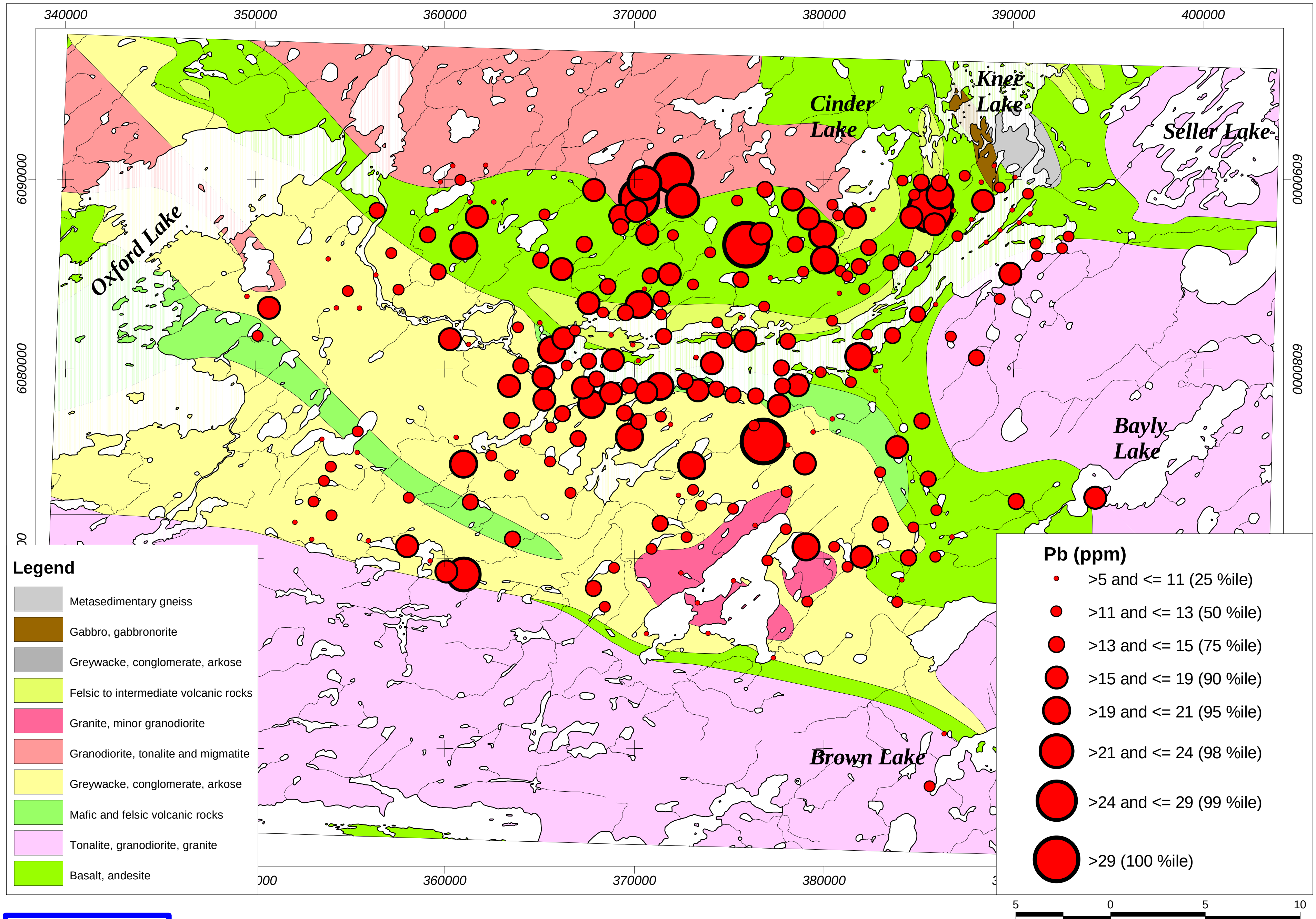
Appendix T-3-1




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-2

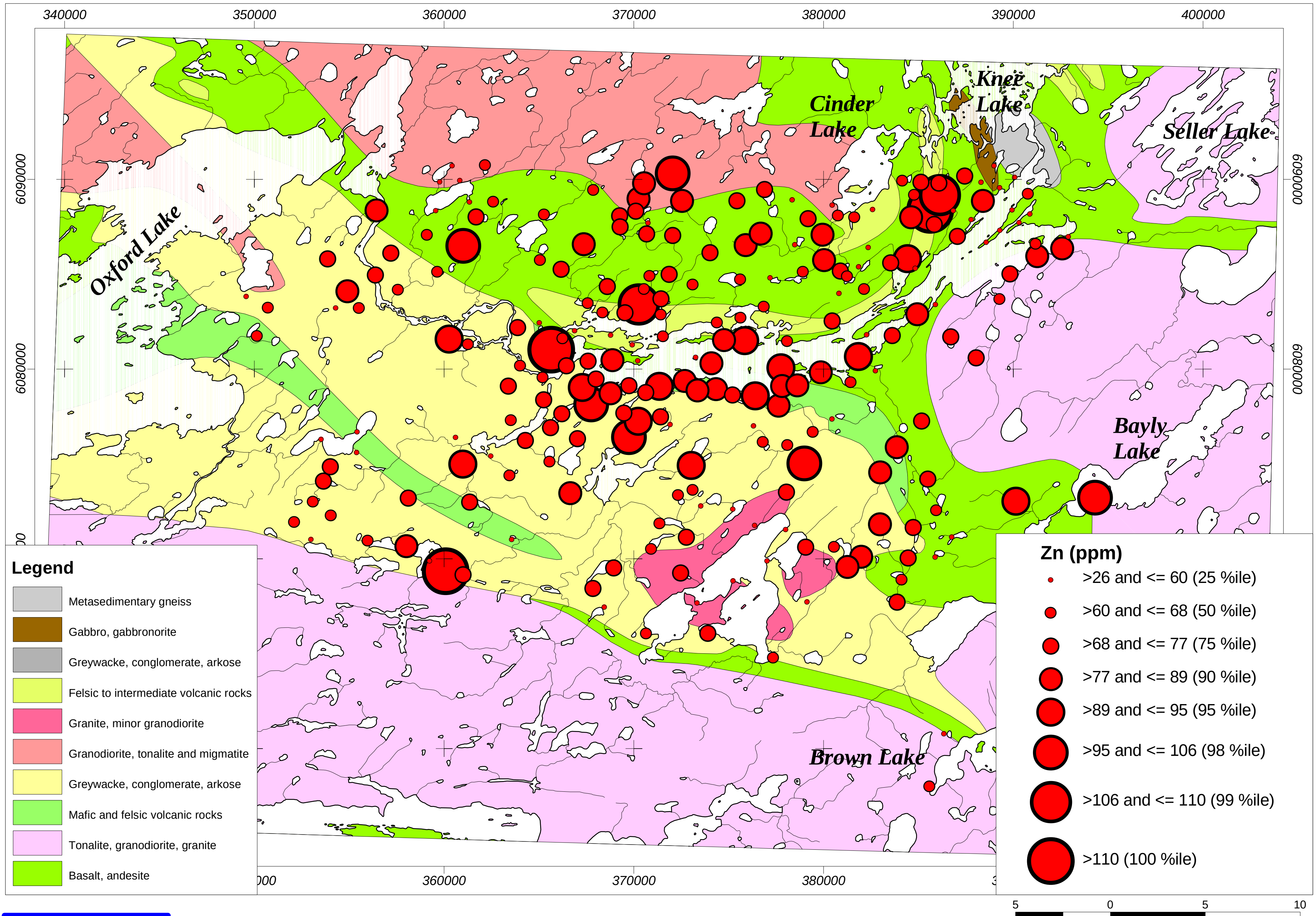



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-3

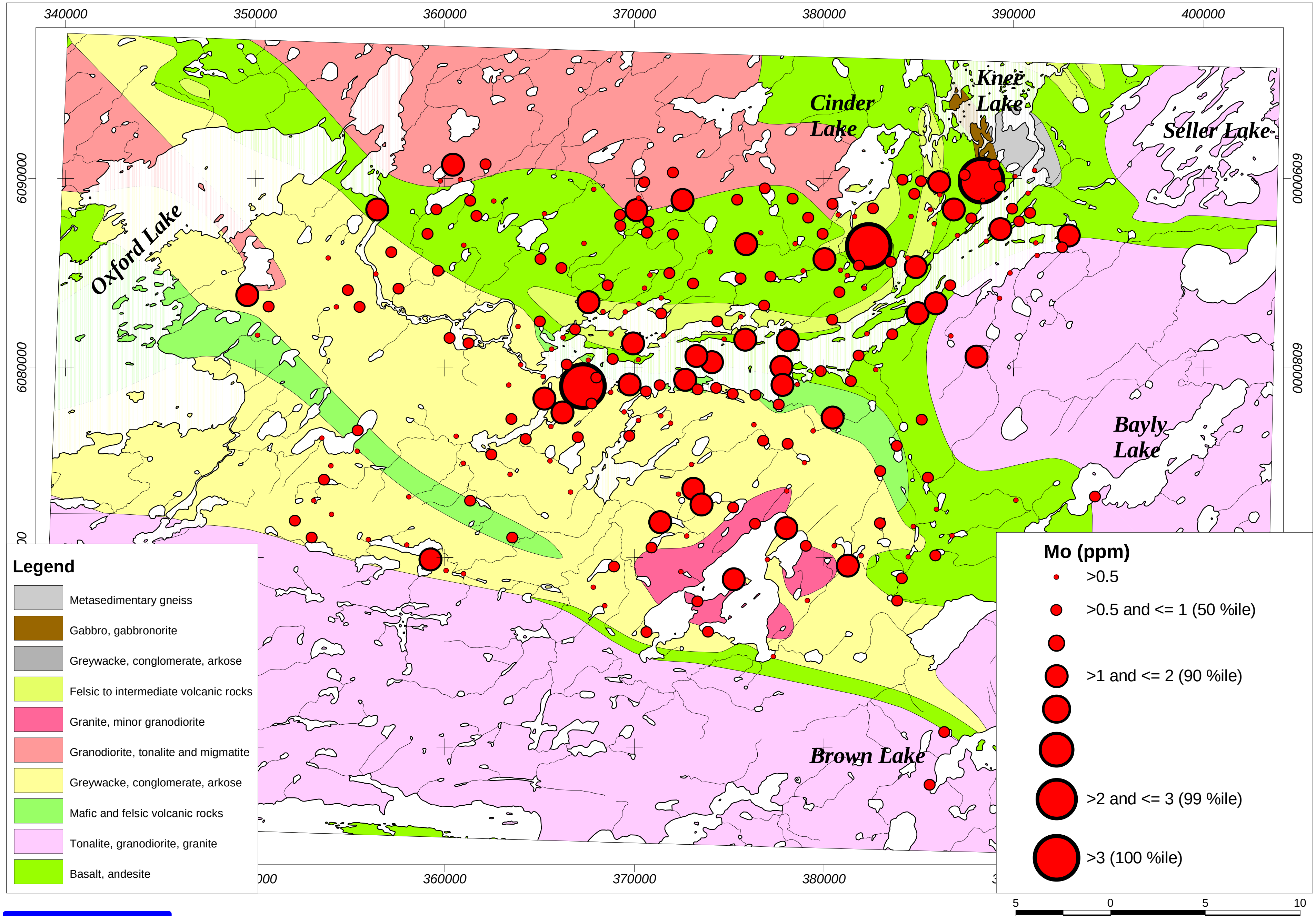



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

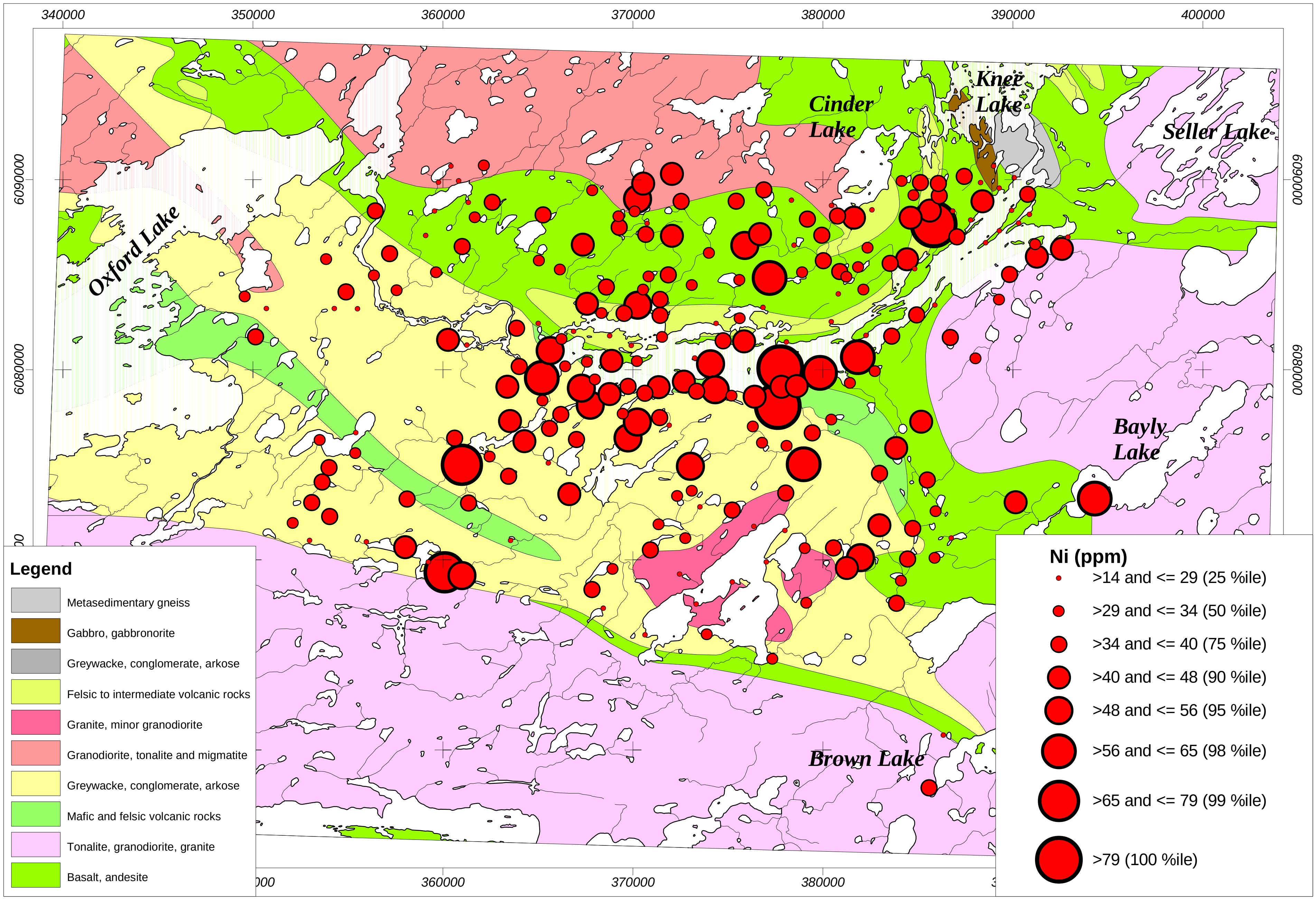
Appendix T-3-4




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-5




5 0 5 10

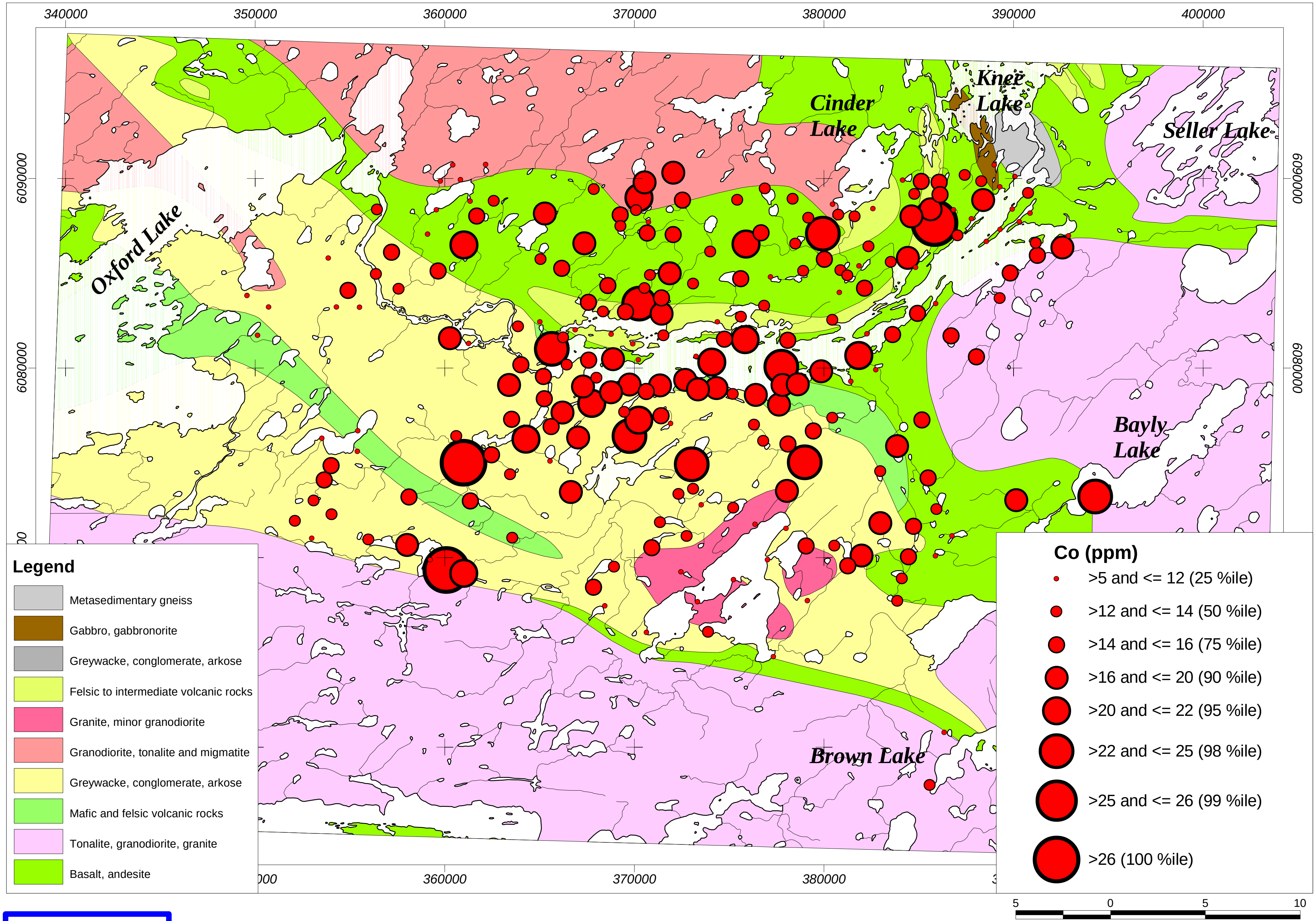
Kilometres

MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

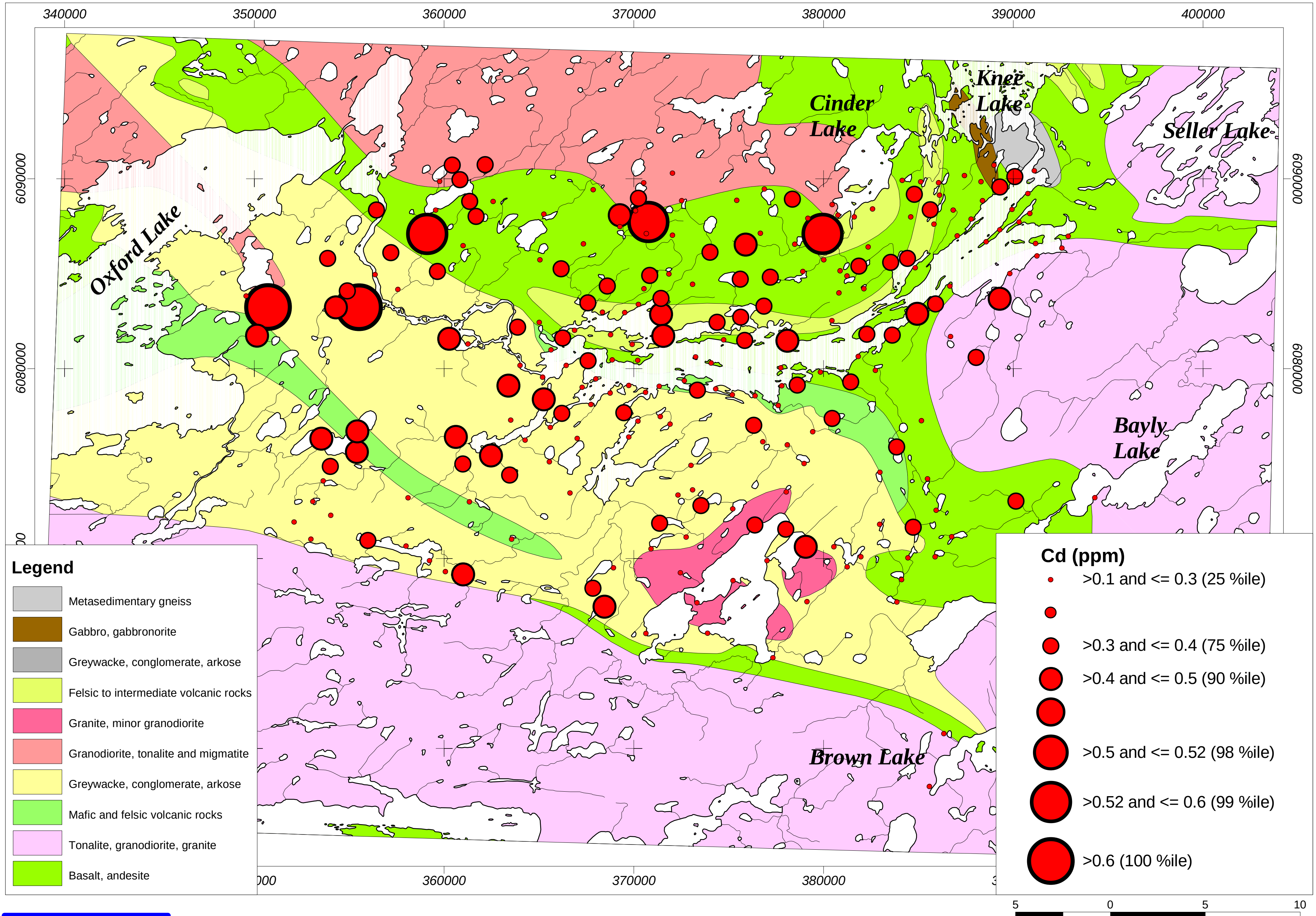
Appendix T-3-6




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-7

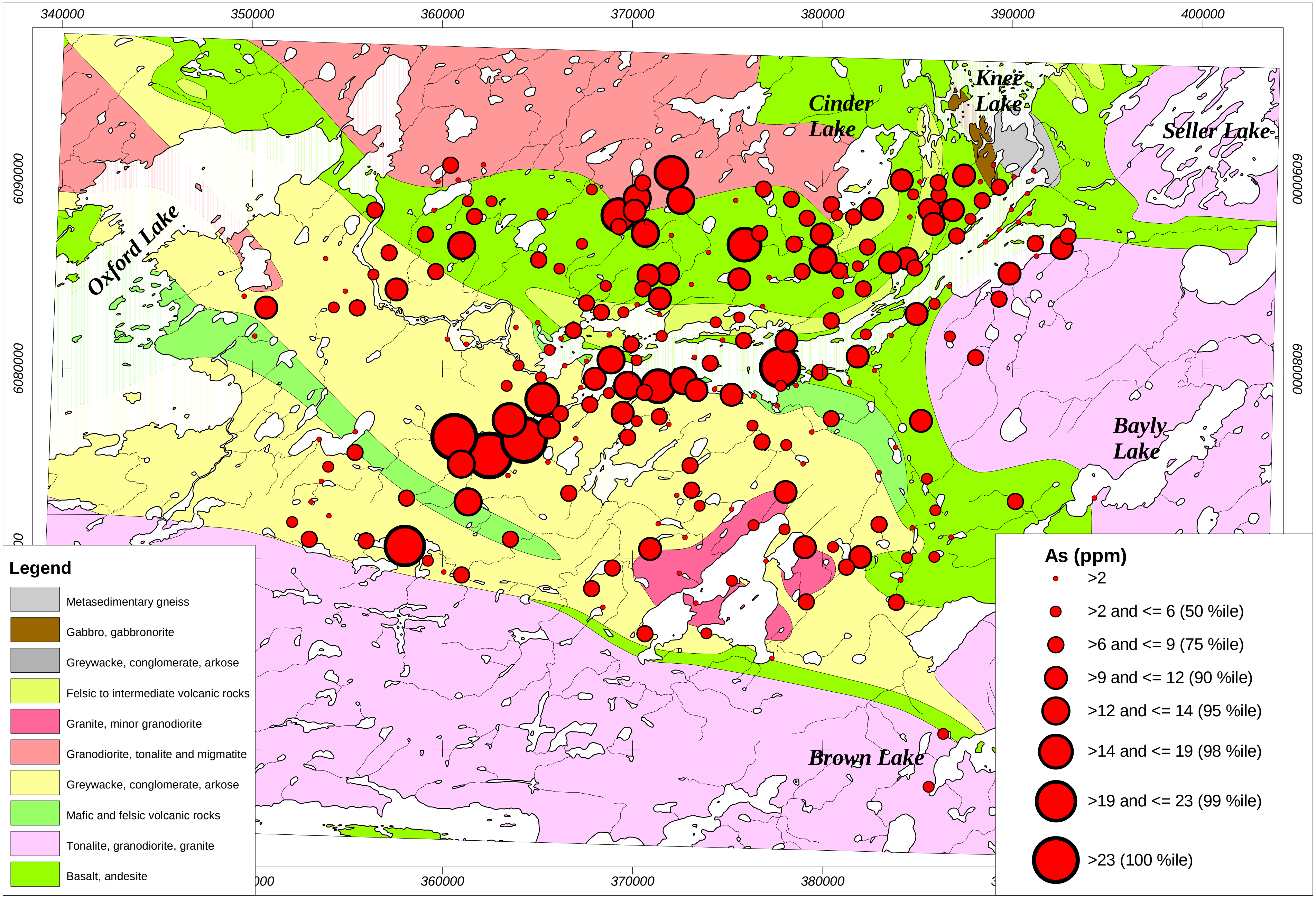



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-8

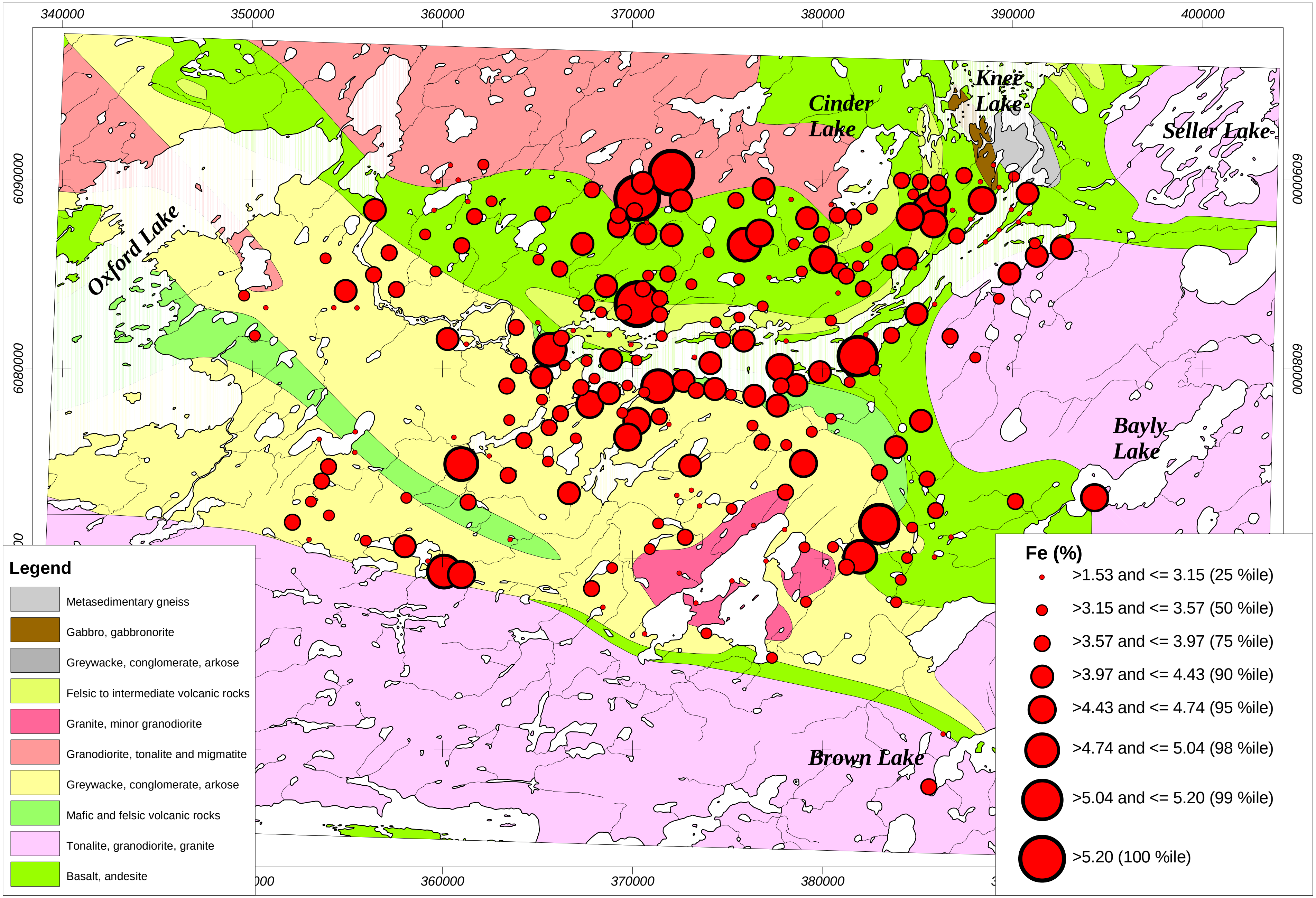



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-9

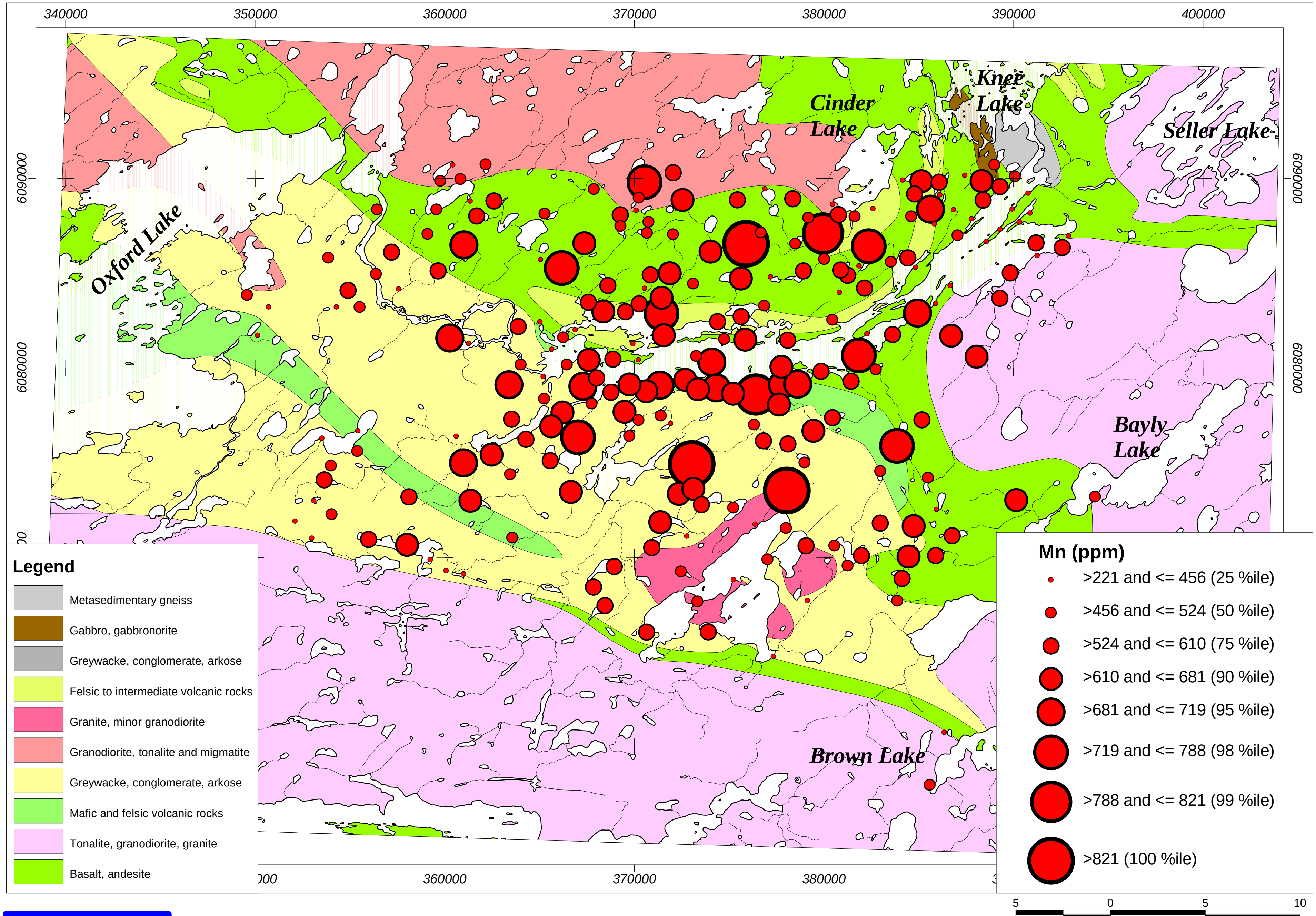



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-10

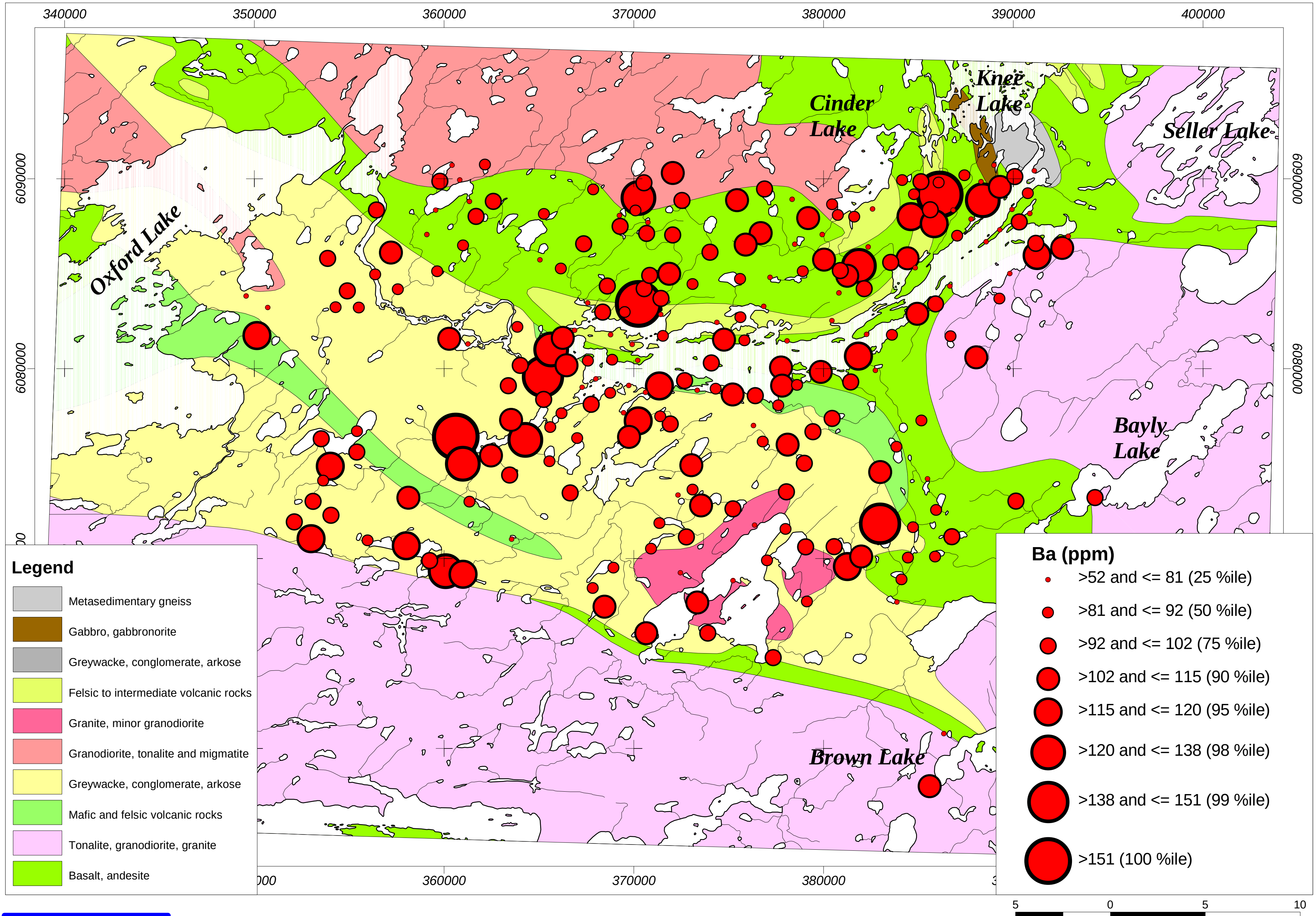



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-11

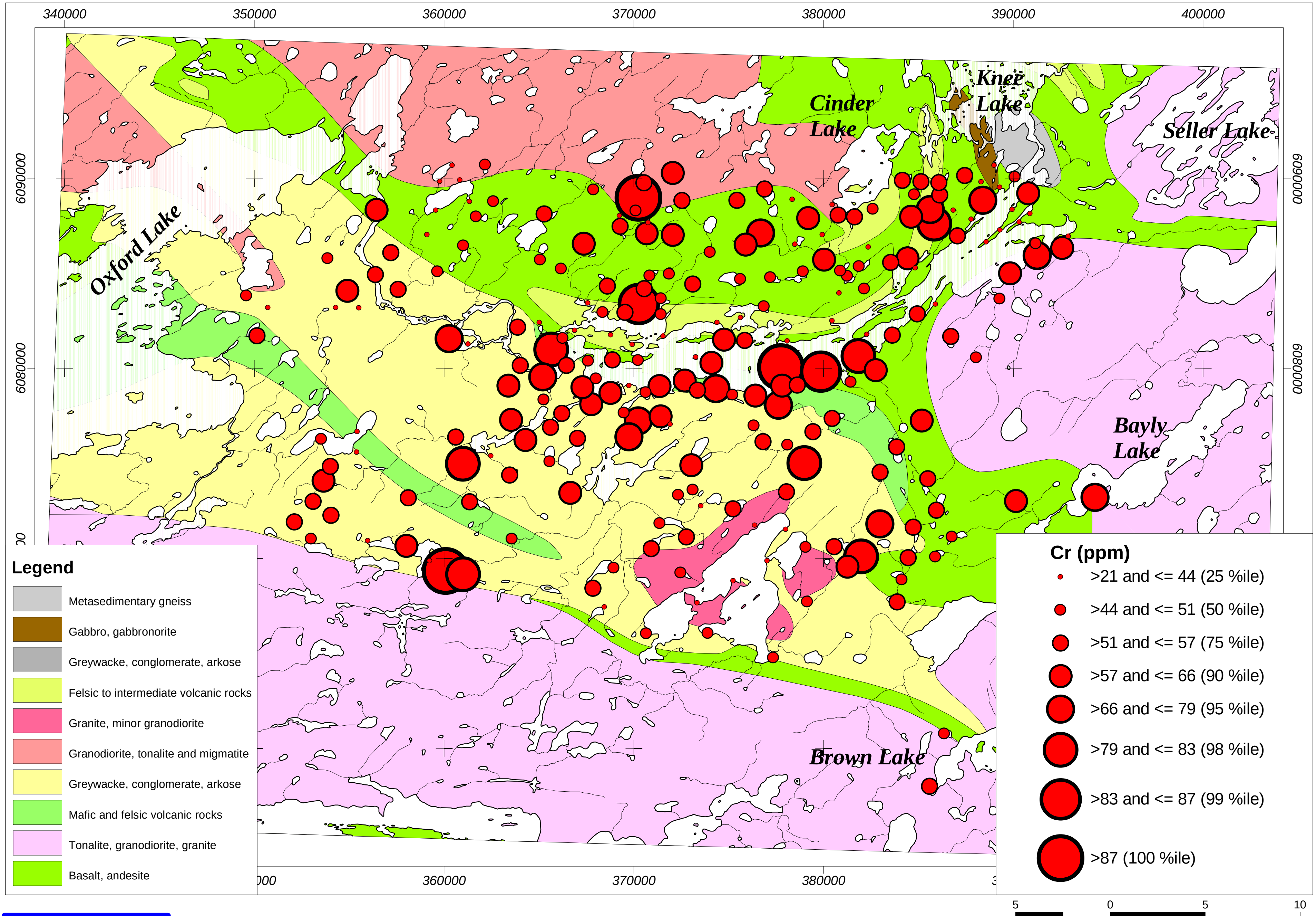



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-12

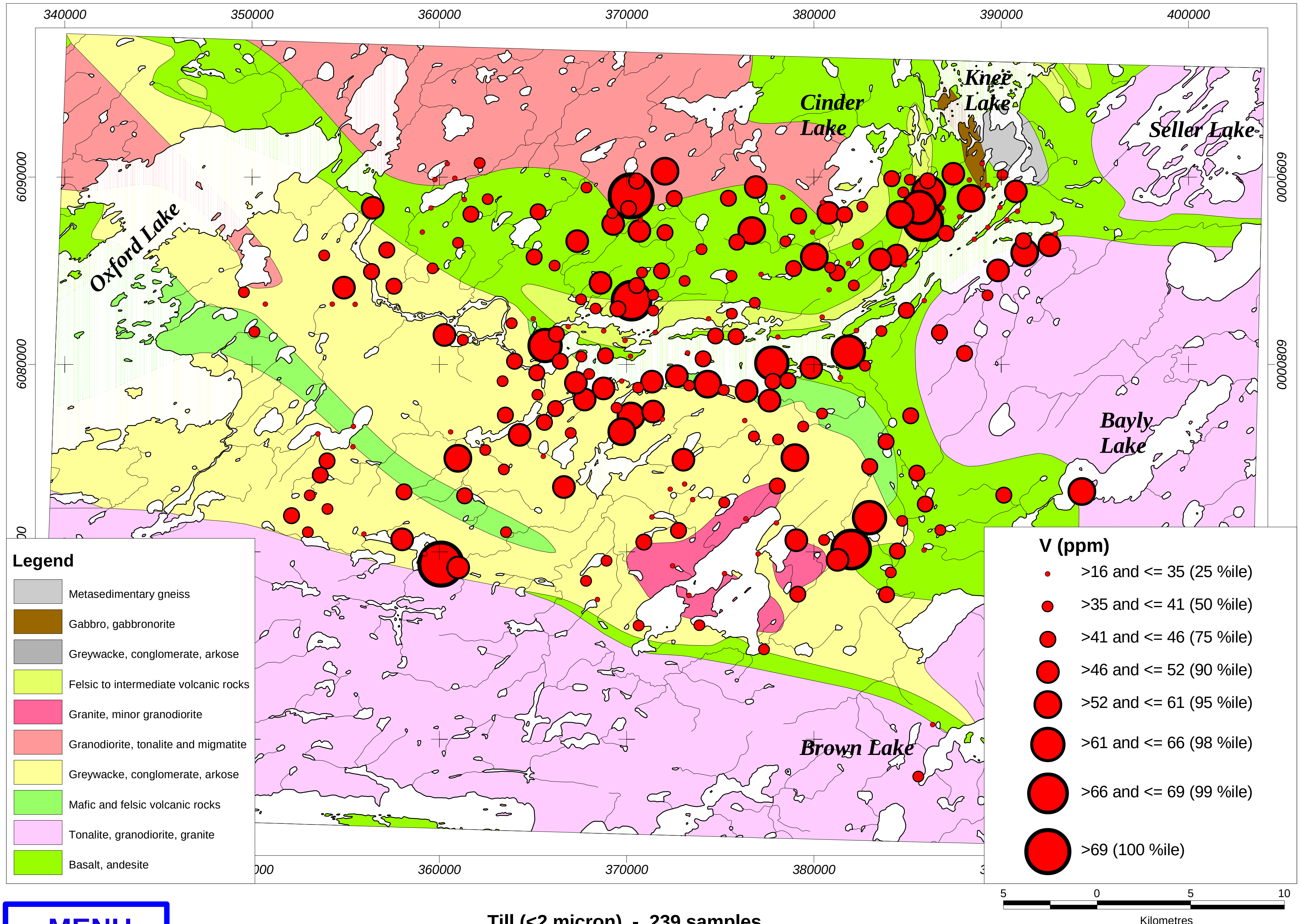



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-13

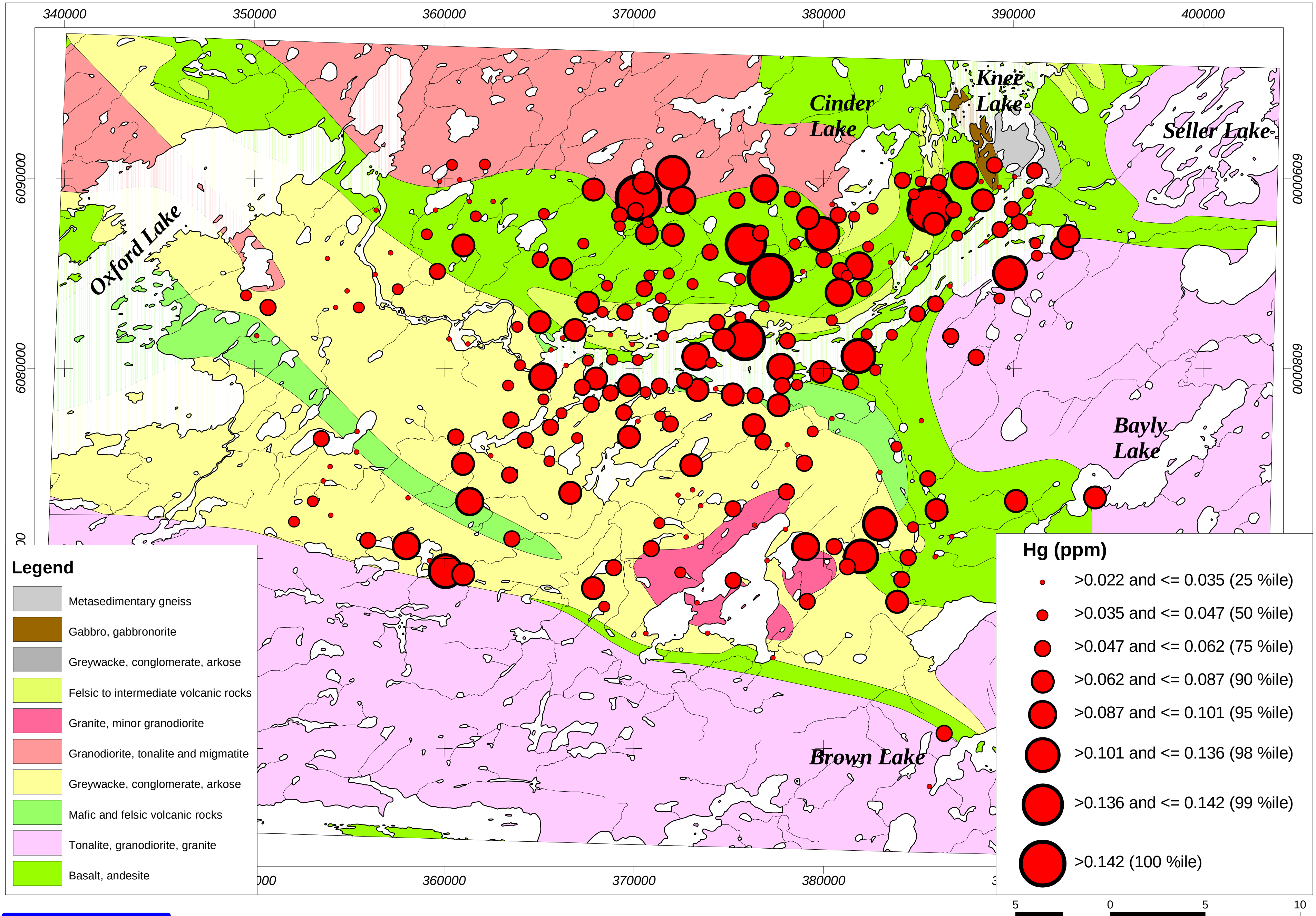



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

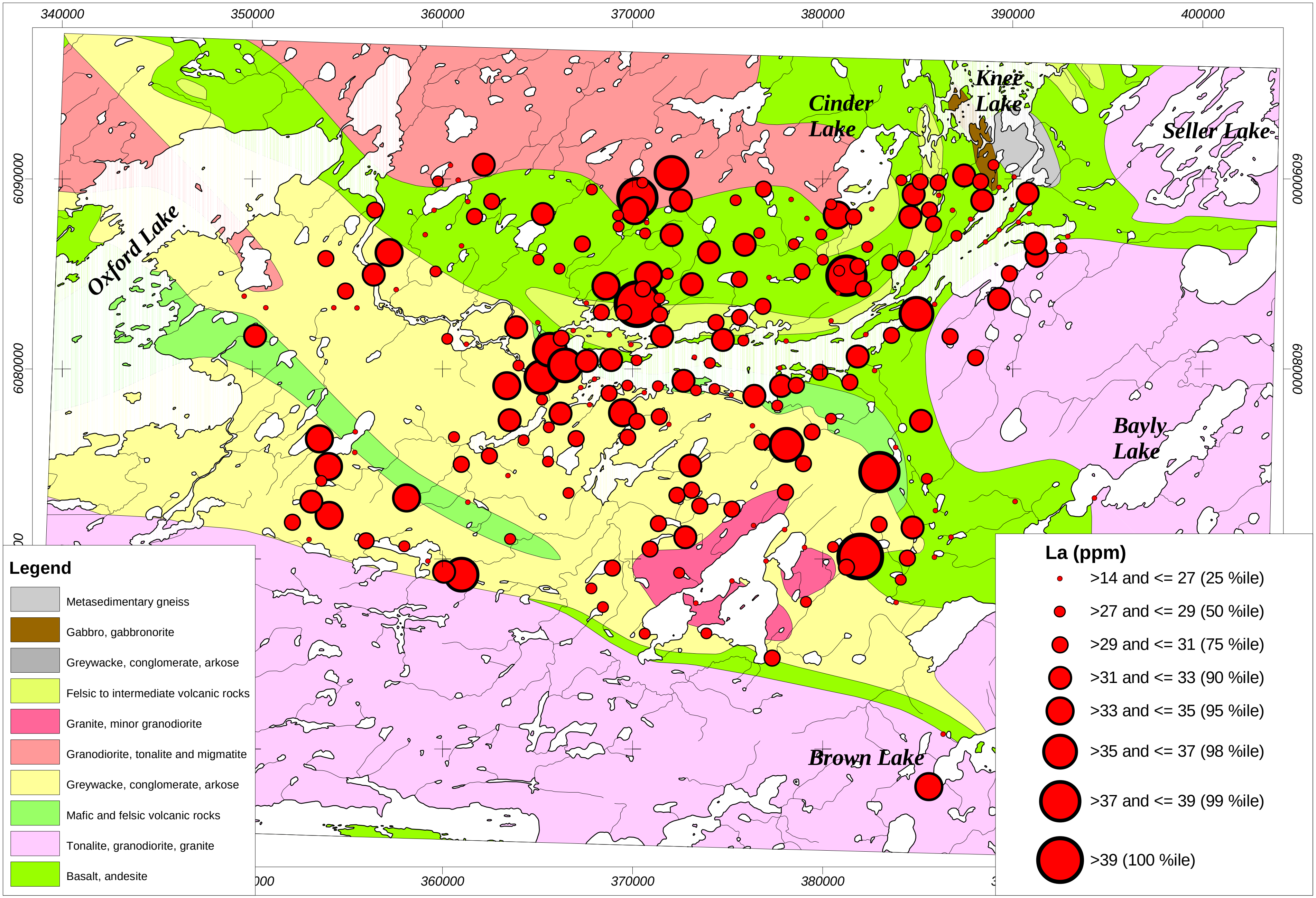
Appendix T-3-14




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-15

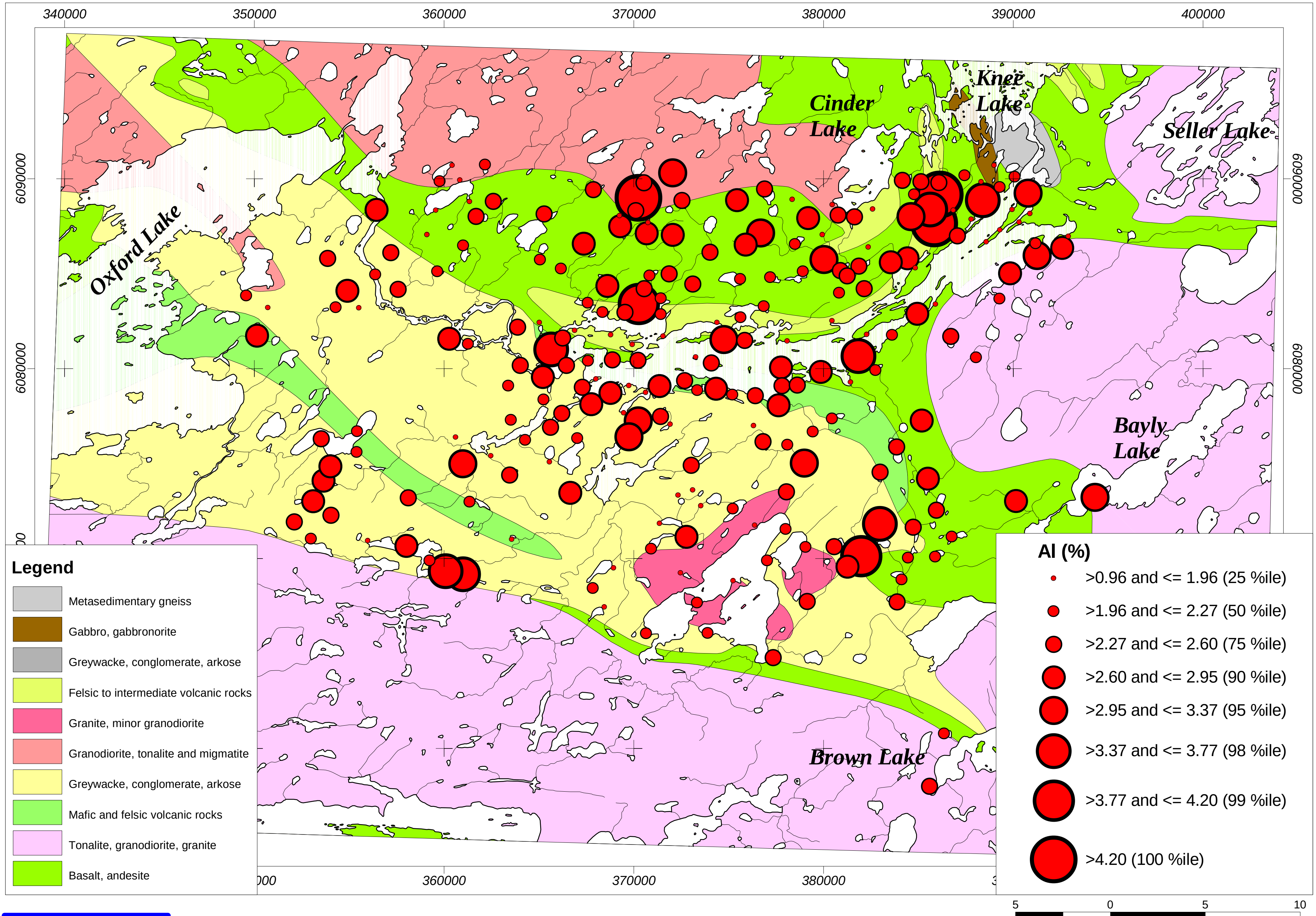



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-16

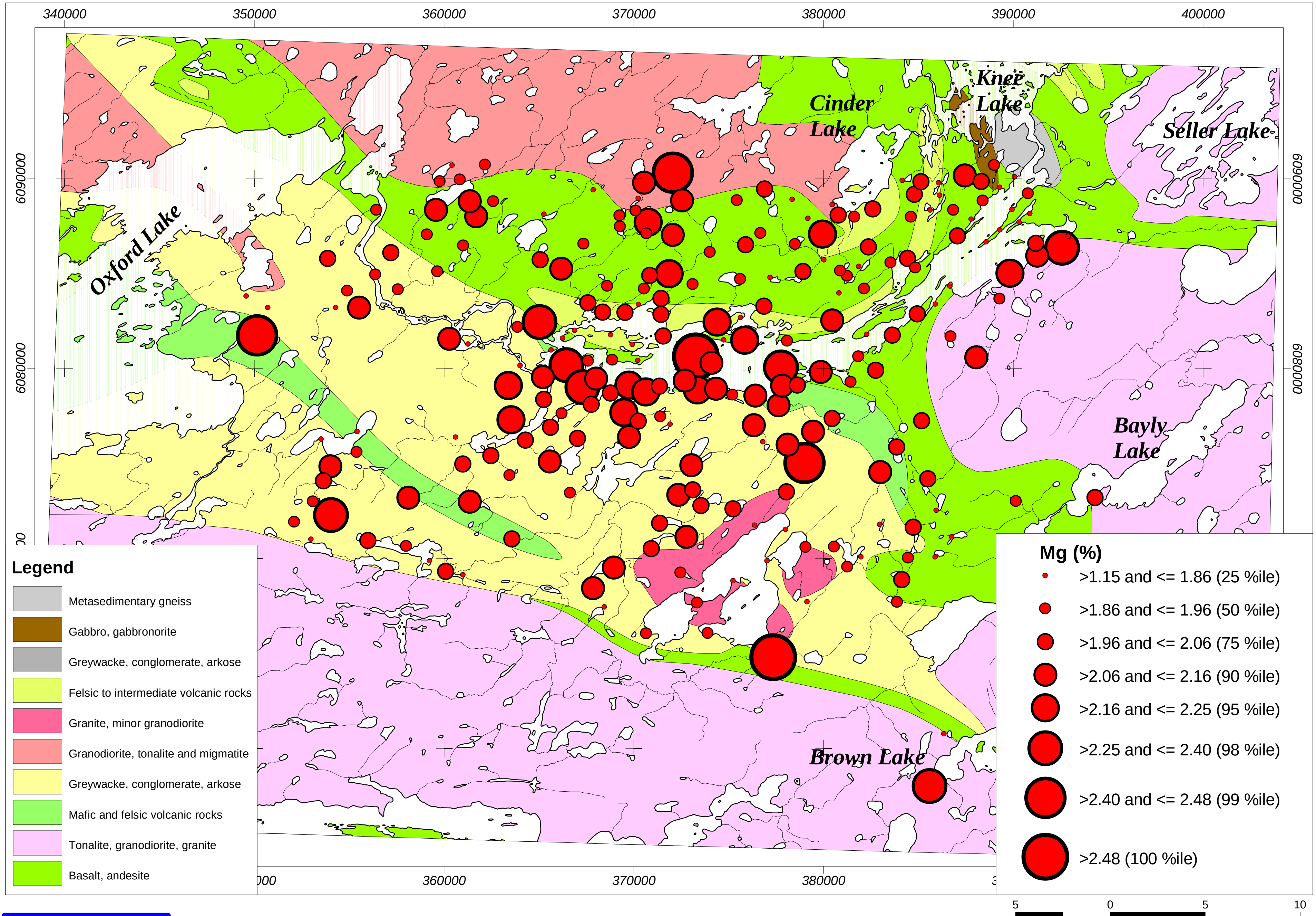



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-17

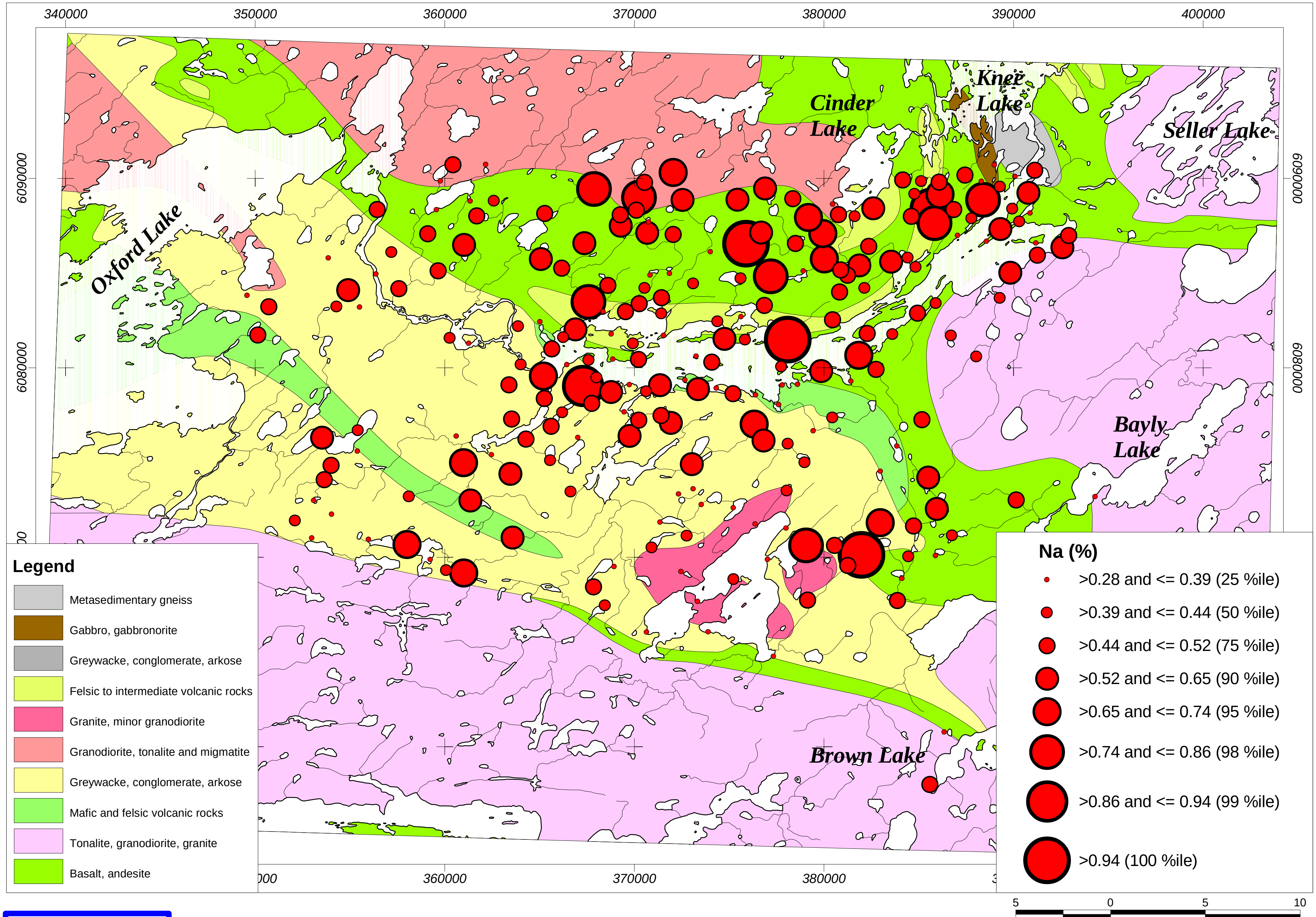



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-18

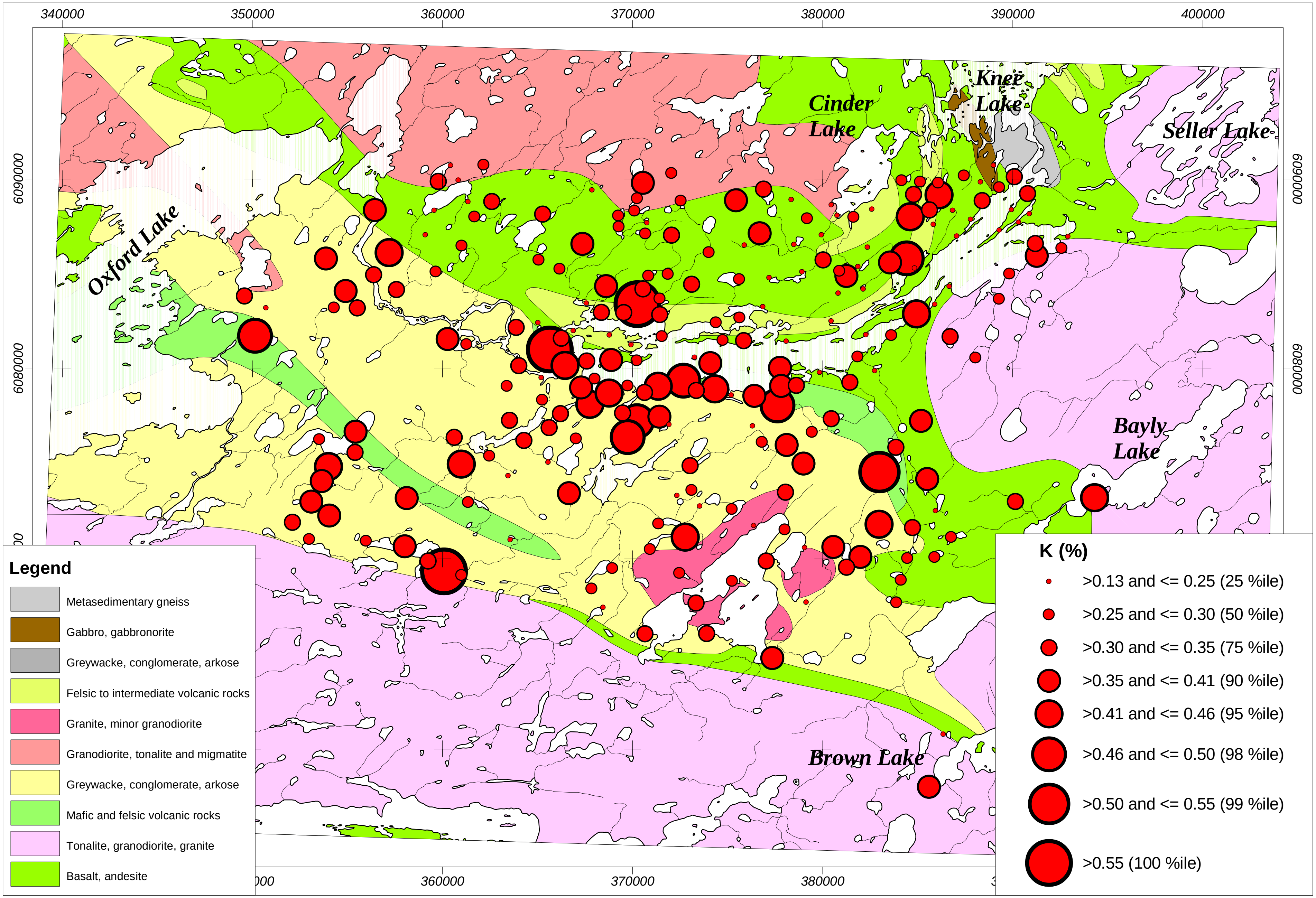



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-19

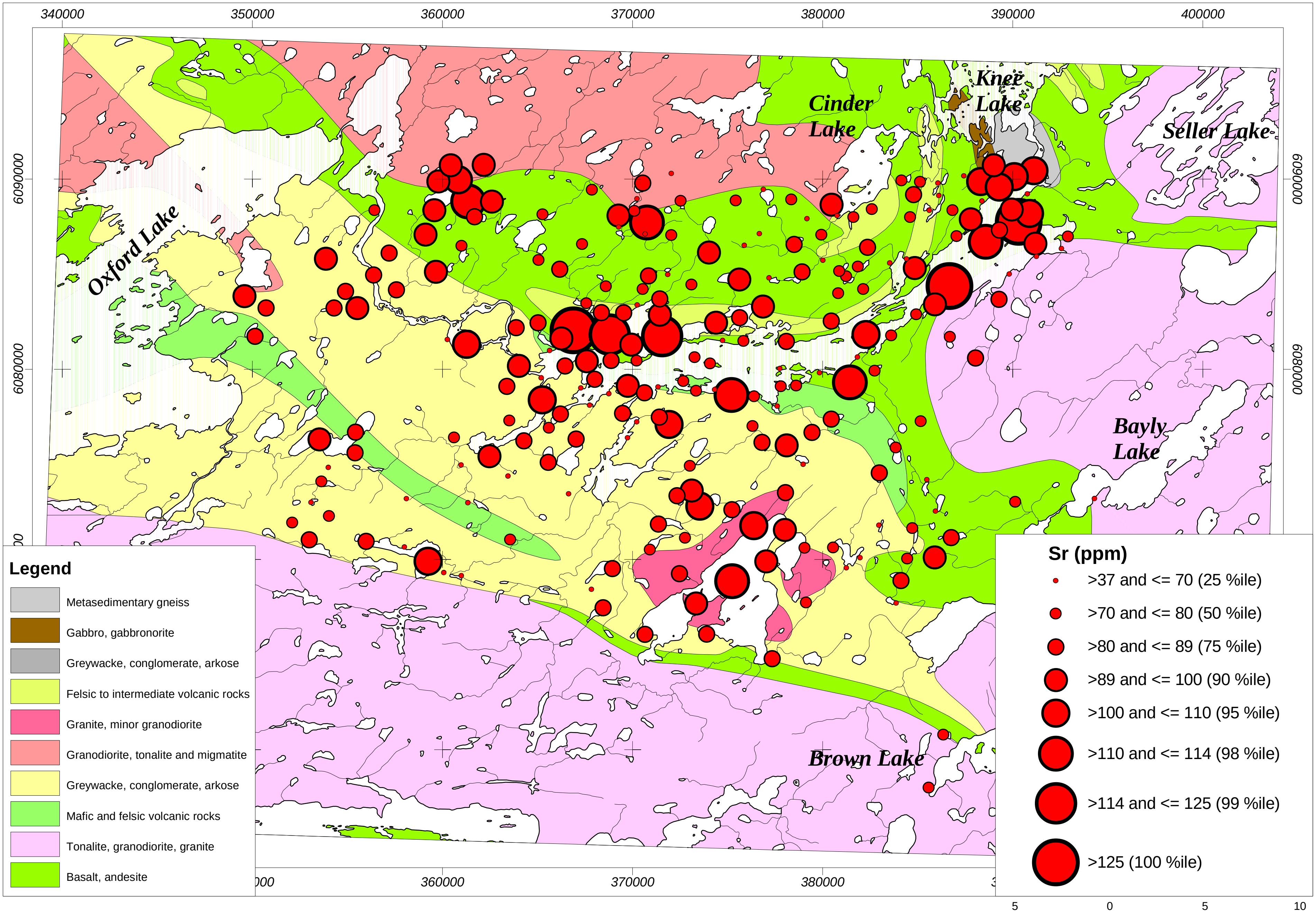



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-20

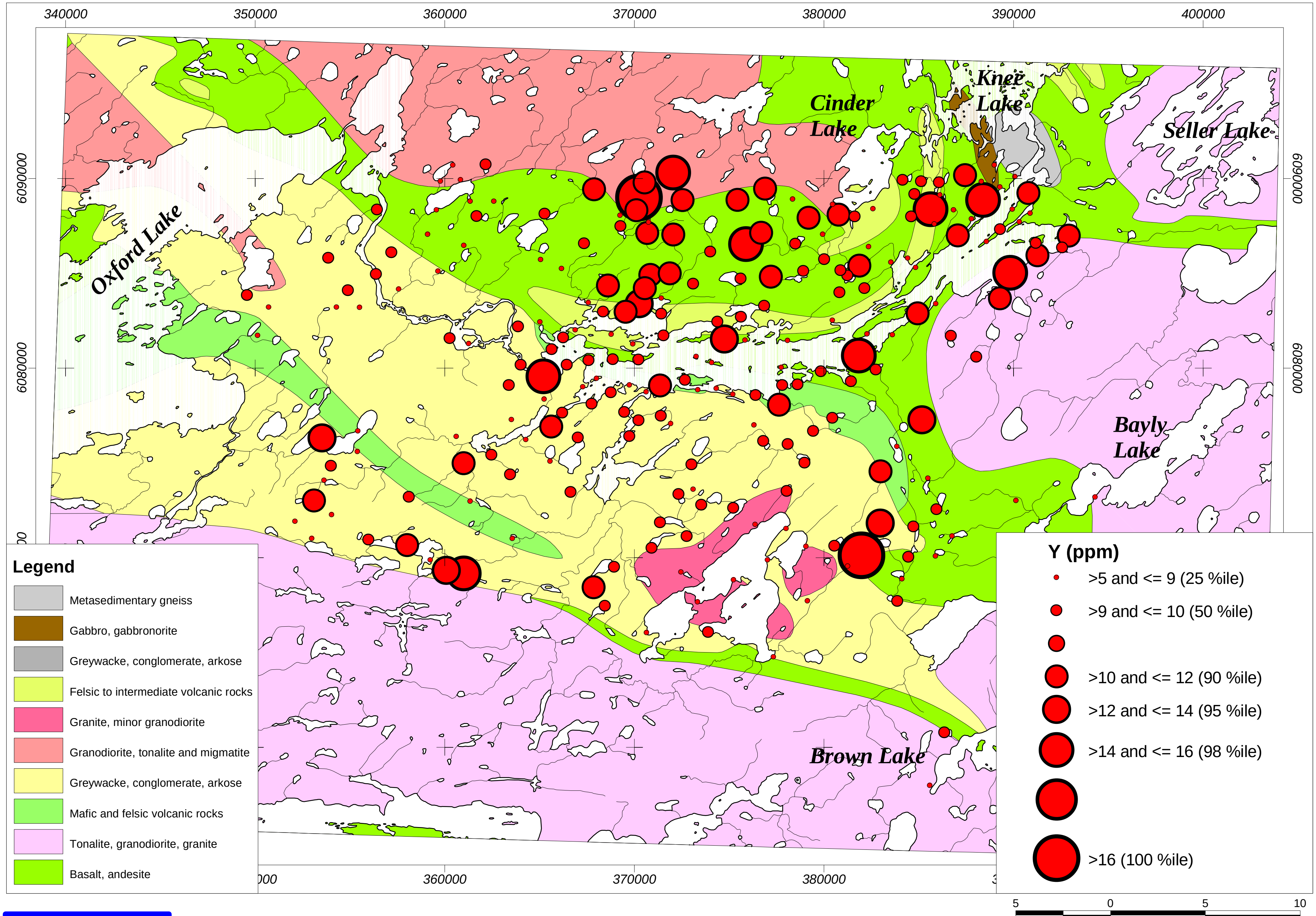



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

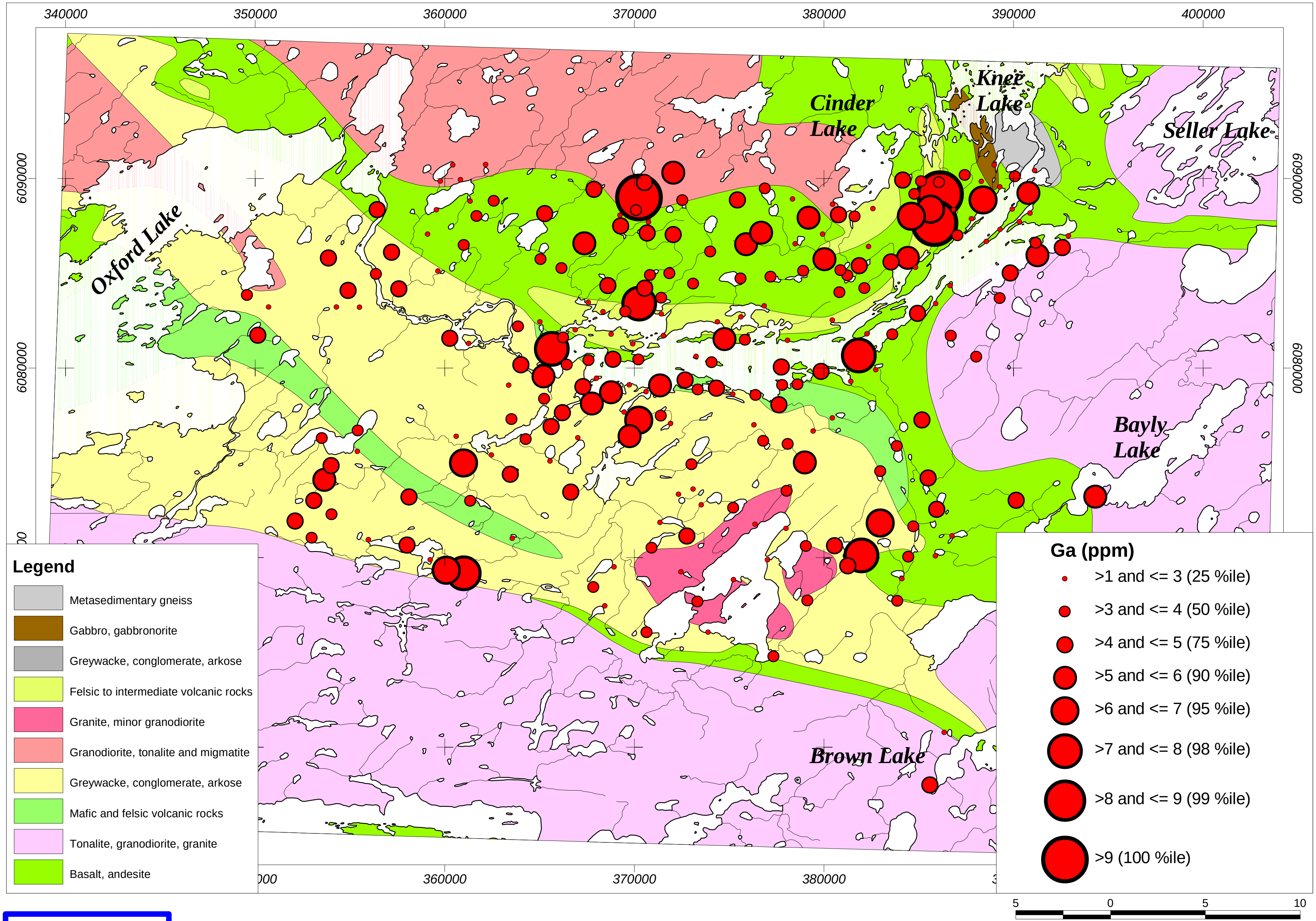
Appendix T-3-21




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

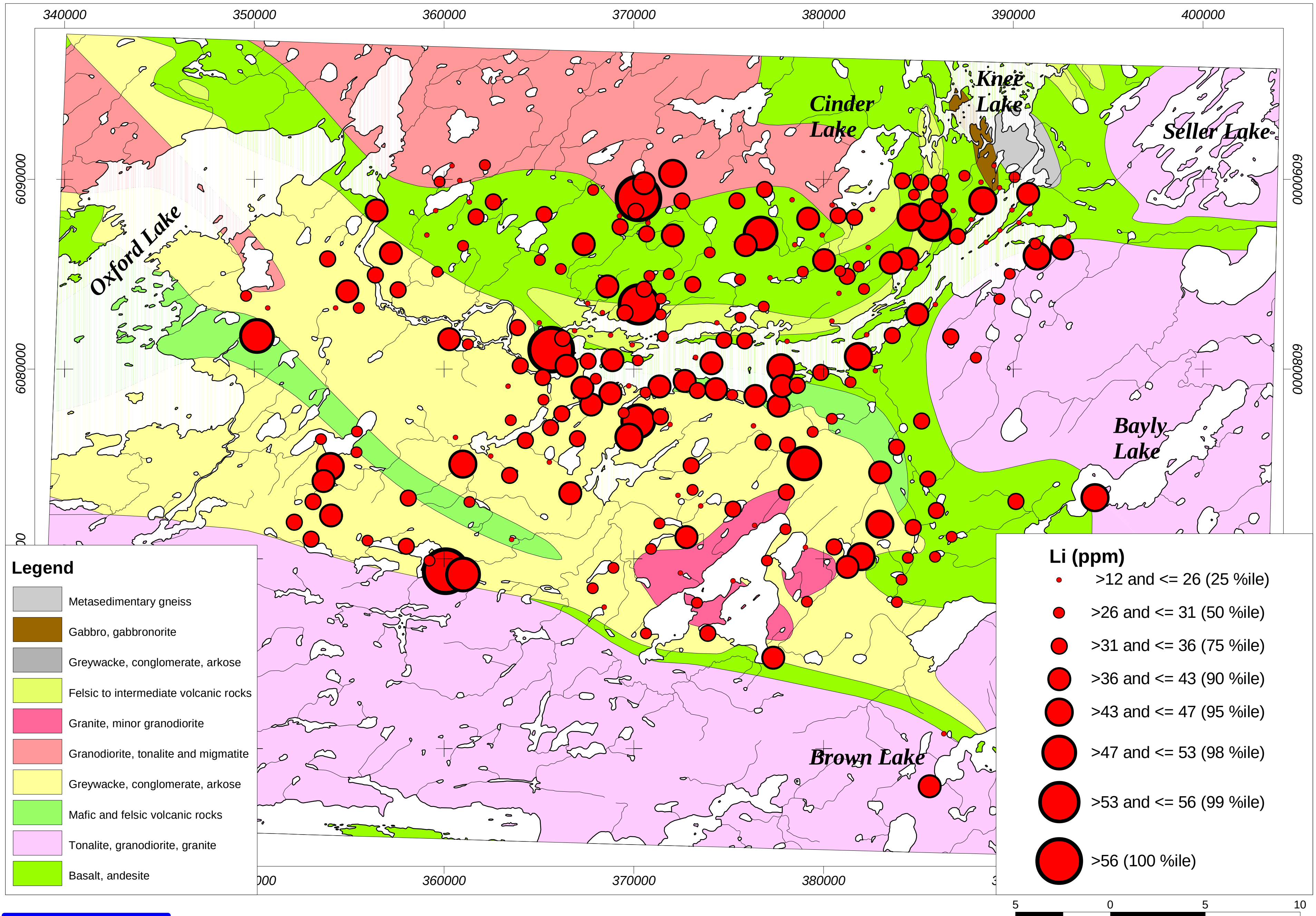
Appendix T-3-22




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-23

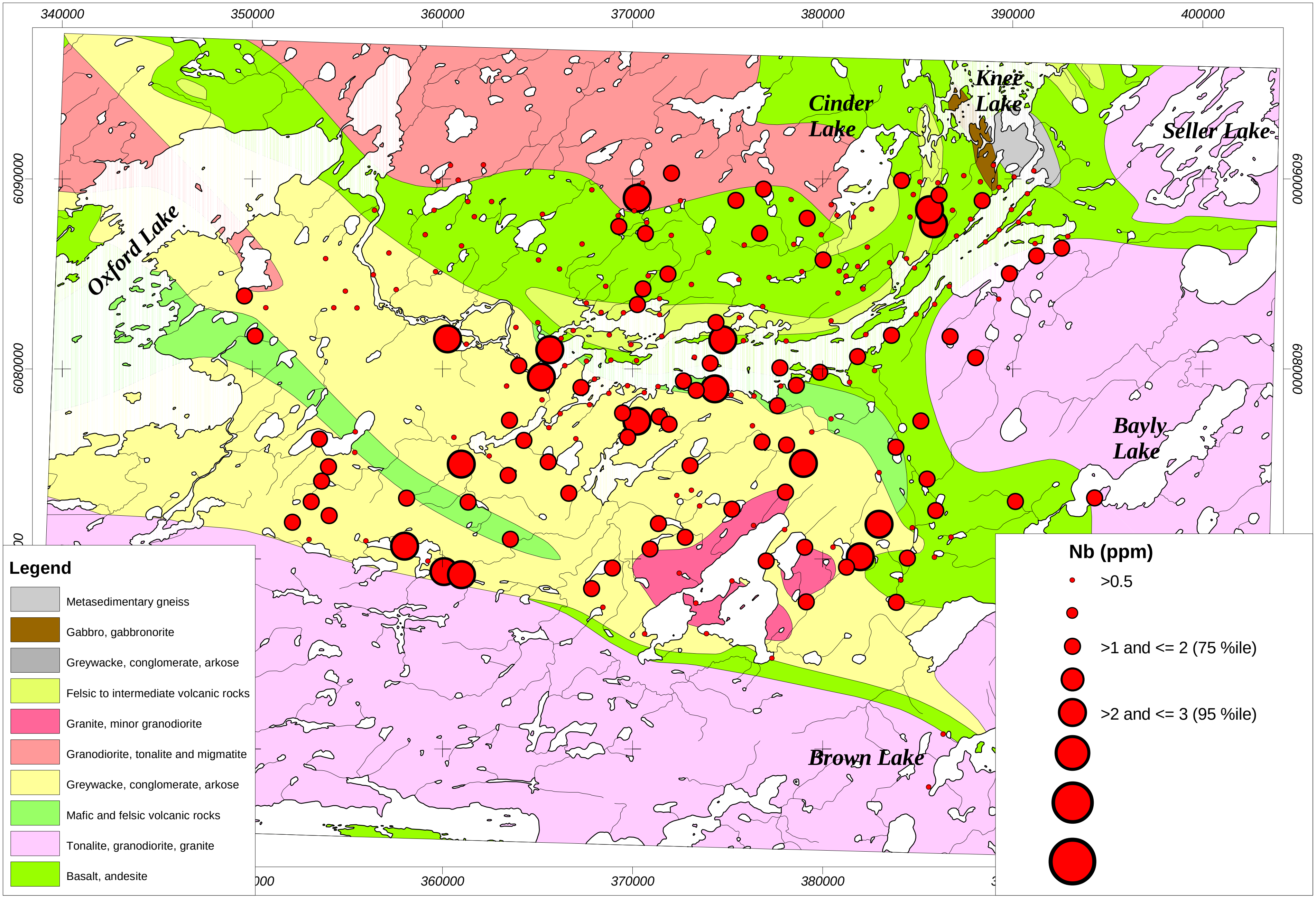



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-24

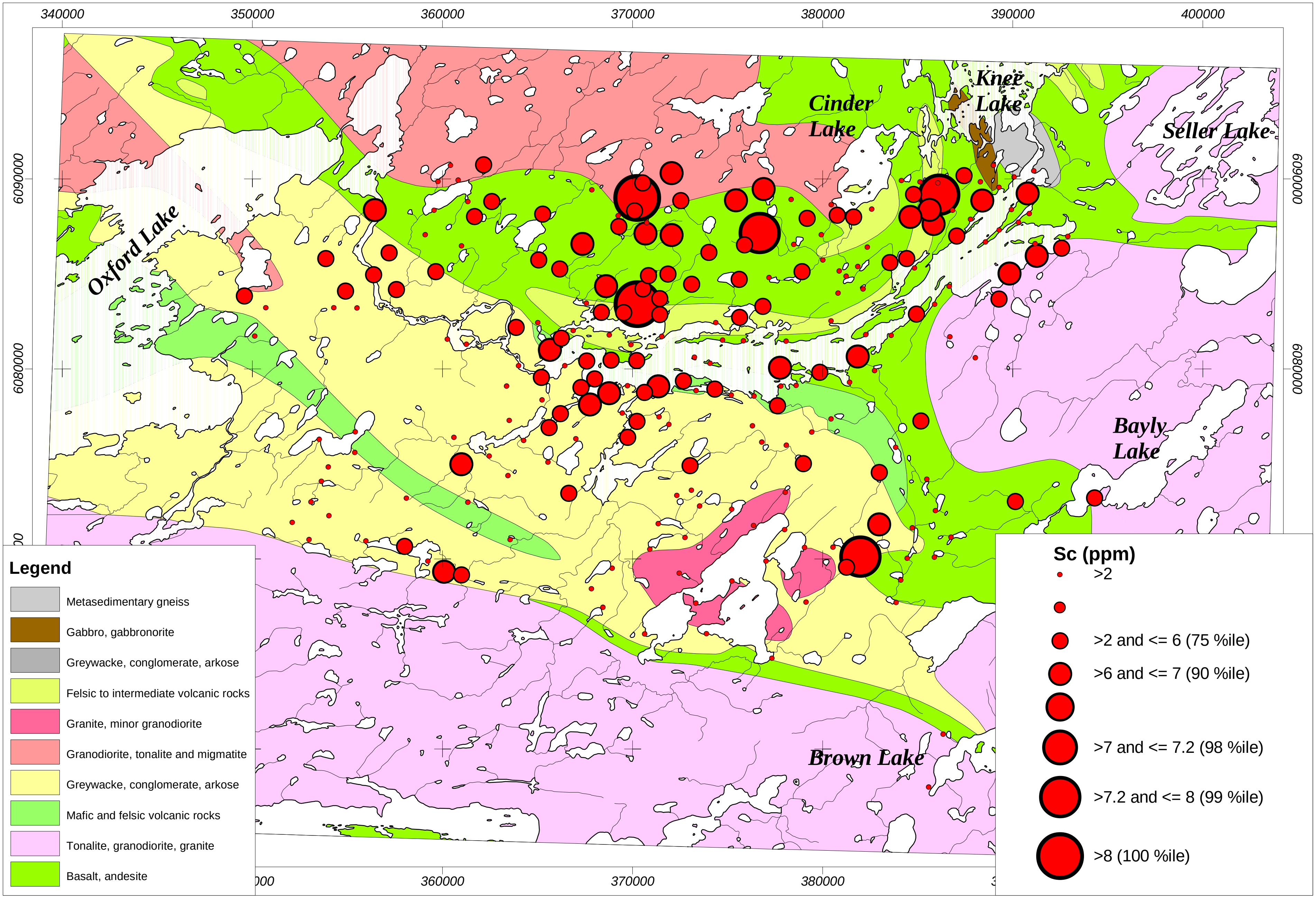



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-25

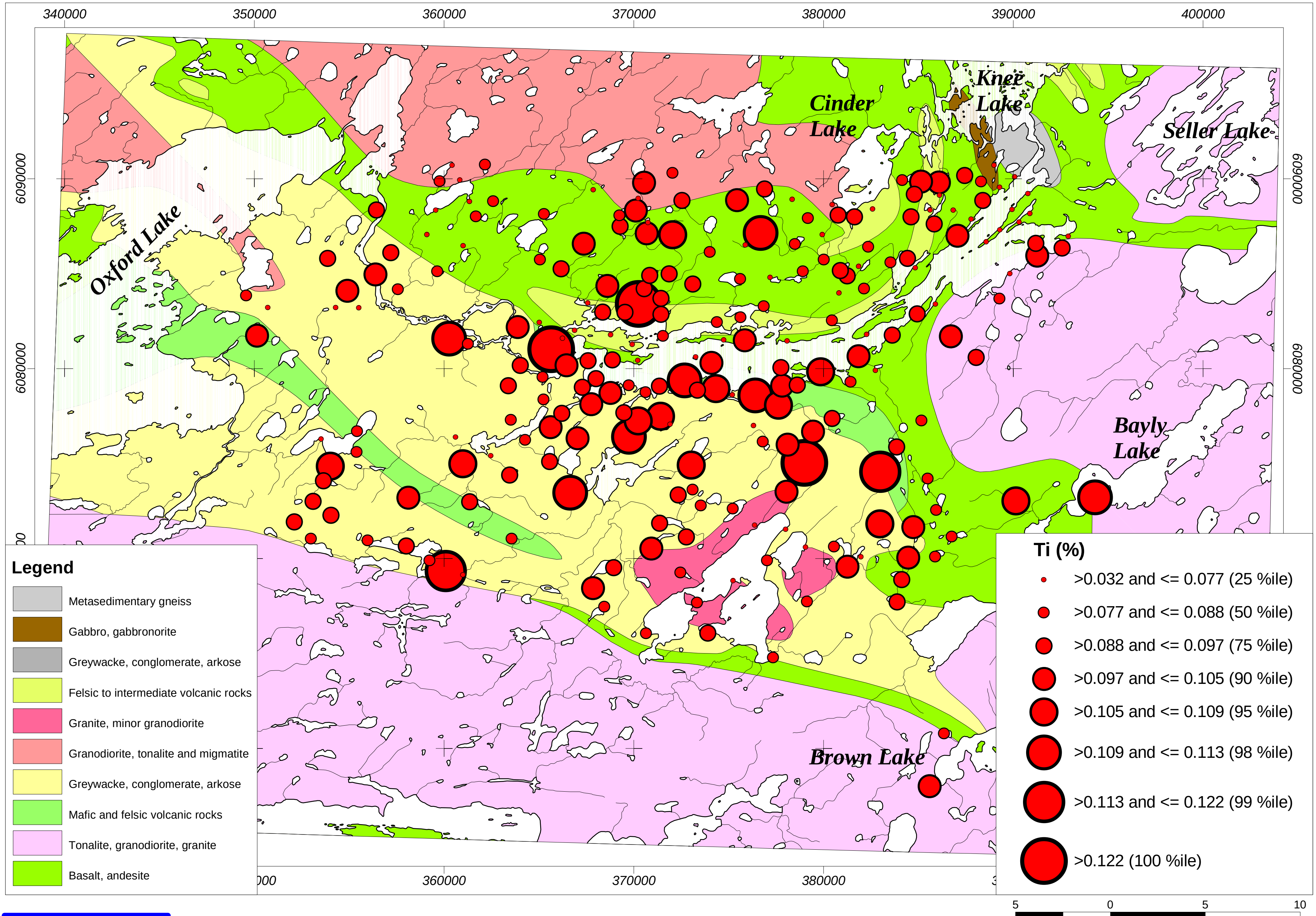



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

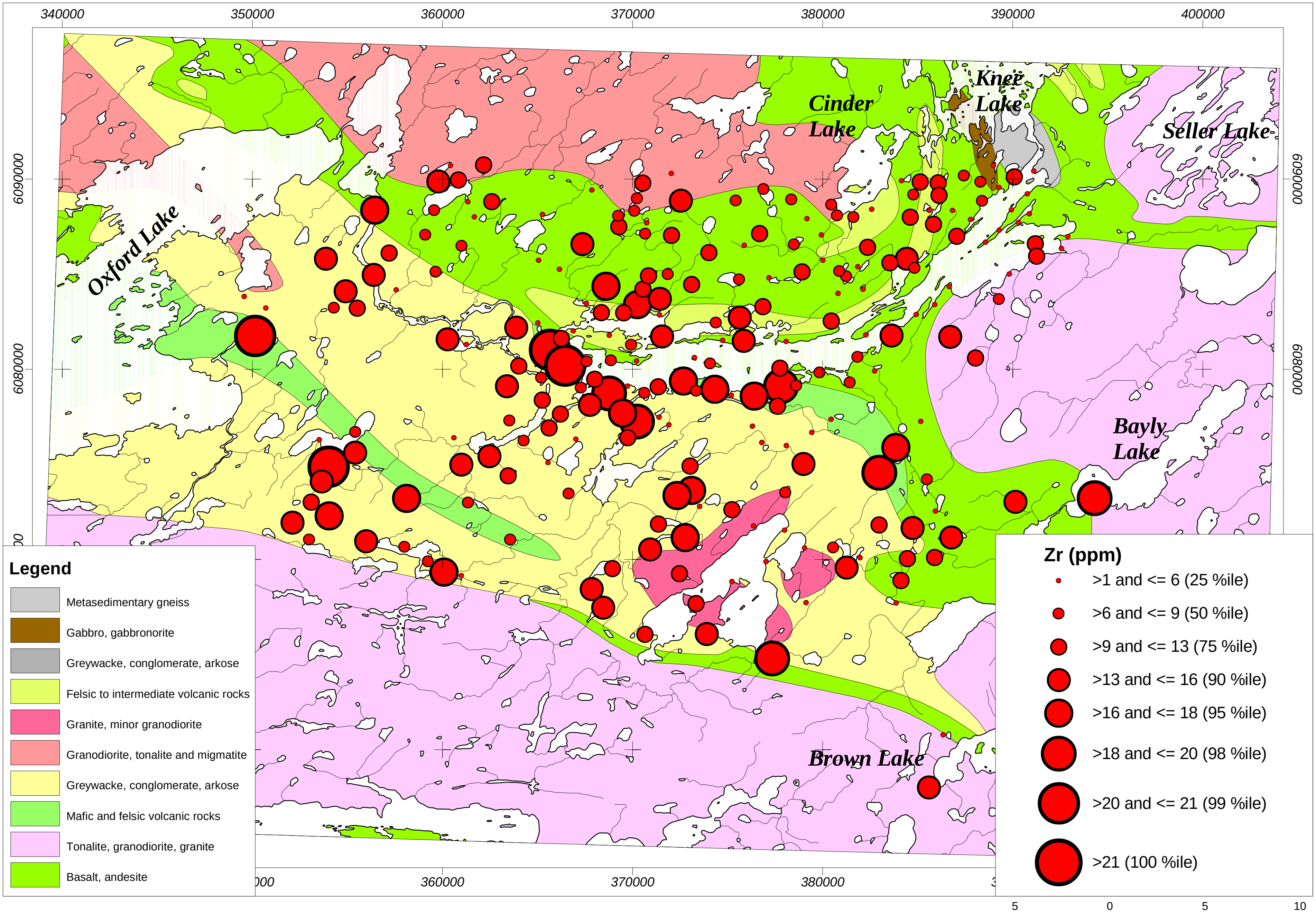
Appendix T-3-26




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-27

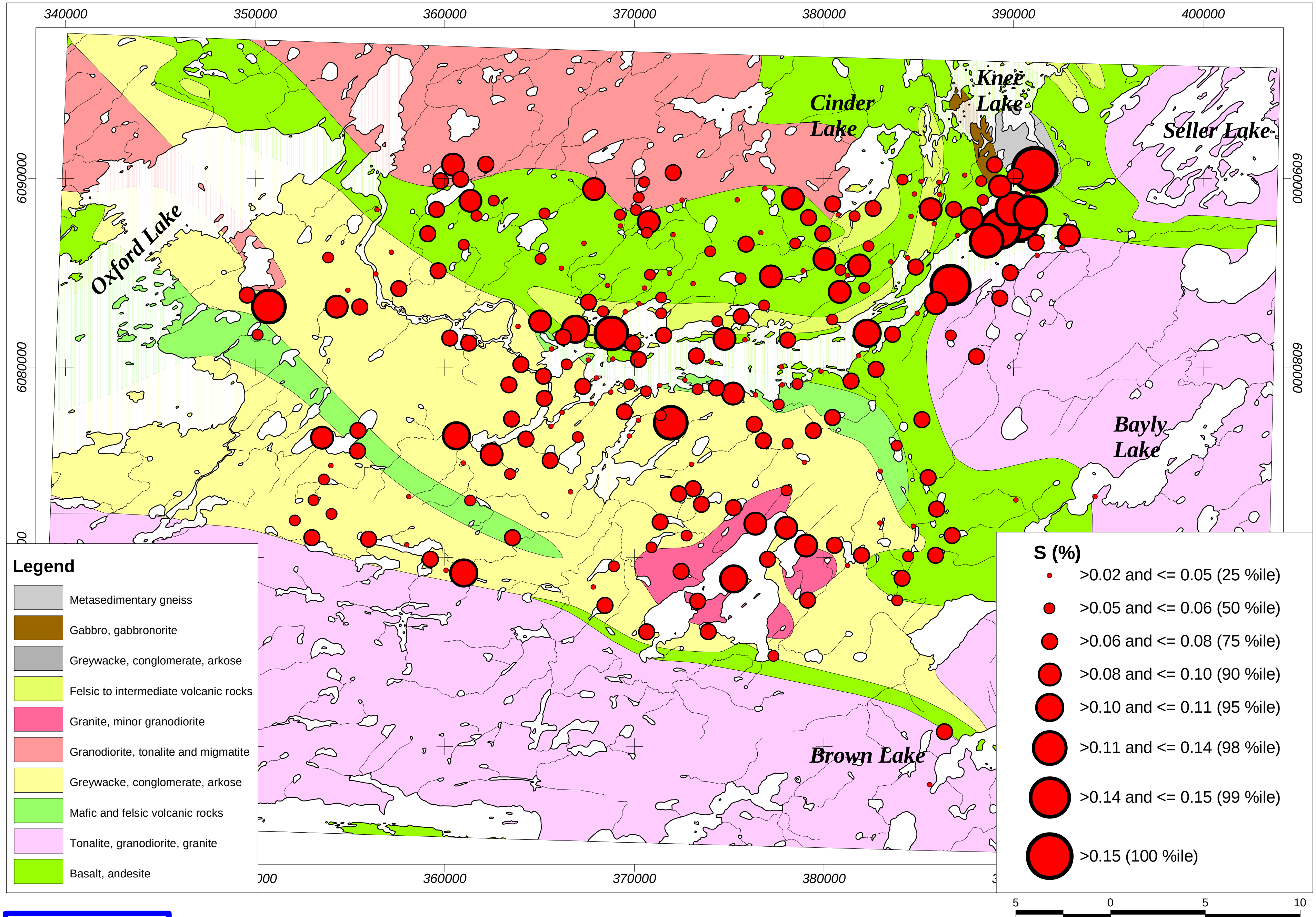



MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

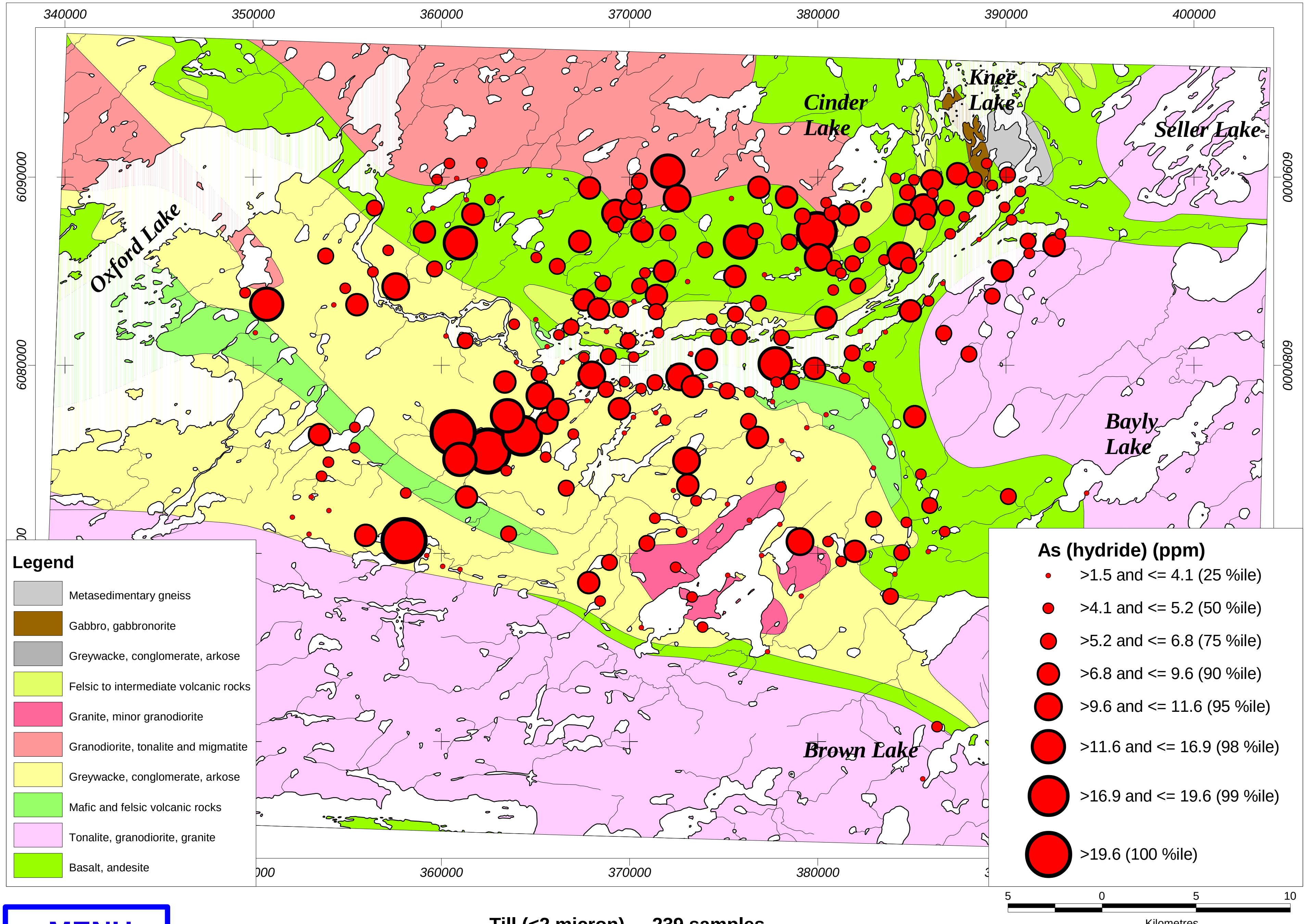
Appendix T-3-28




MENU

**Till (<2 micron) - 239 samples**
**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-29




MENU

**Till (<2 micron) - 239 samples**

**Nitric - Aqua Regia Leach / ICP-AES, Hg (cold-vapour AAS) and As (hydride generation)**

Appendix T-3-30

## Appendix T-4

# INA Analyses For The <63 Micron Size Fraction Of Till Samples.

| Sample Site | UTM Easting | UTM Northing | Au ppb | Ag ppm | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Cs ppm | Fe % | Hf ppm | Hg ppm | Ir ppm | Mo ppm | Na % | Ni ppm | Rb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-99T-2 | 379928.11 | 6087059.58 | 1 | 2.5 | 2.9 | 310 | 4.5 | 14 | 5 | 29 | 0.5 | 1.02 | 7 | 0.5 | 2.5 | 6.0 | 1.04 | 10.0 | 35 |
| 69-99T-3 | 380864.52 | 6085155.70 | 1 | 2.5 | 2.3 | 310 | 4.7 | 12 | 4 | 29 | 1.0 | 1.25 | 7 | 0.5 | 2.5 | 0.5 | 1.06 | 11.0 | 58 |
| 69-99T-4 | 385575.87 | 6057998.38 | 6 | 2.5 | 2.8 | 390 | 6.9 | 17 | 8 | 43 | 3.0 | 1.96 | 4 | 0.5 | 2.5 | 0.5 | 0.99 | 13.5 | 65 |
| 69-99T-5 | 386340.97 | 6060776.00 | 1 | 2.5 | 2.3 | 330 | 6.1 | 14 | 4 | 30 | 1.0 | 1.12 | 4 | 0.5 | 2.5 | 0.5 | 1.03 | 10.5 | 72 |
| 69-99T-7 | 380012.55 | 6085720.22 | 1 | 2.5 | 3.0 | 340 | 6.6 | 17 | 4 | 32 | 0.5 | 1.18 | 7 | 0.5 | 2.5 | 0.5 | 1.02 | 10.5 | 40 |
| 69-99T-8 | 381843.70 | 6085393.08 | 1 | 2.5 | 2.3 | 320 | 4.9 | 13 | 4 | 35 | 2.0 | 1.09 | 6 | 0.5 | 2.5 | 0.5 | 0.98 | 11.0 | 43 |
| 69-99T-9 | 381226.37 | 6084881.63 | 1 | 2.5 | 2.8 | 360 | 5.1 | 12 | 5 | 30 | 0.5 | 1.14 | 5 | 0.5 | 2.5 | 0.5 | 1.02 | 11.5 | 34 |
| 69-99T-10 | 380814.98 | 6083990.92 | 1 | 2.5 | 2.3 | 320 | 6.4 | 12 | 3 | 26 | 0.5 | 1.03 | 5 | 0.5 | 2.5 | 1.0 | 1.00 | 10.0 | 29 |
| 69-99T-11 | 382124.73 | 6084199.82 | 1 | 2.5 | 2.7 | 360 | 5.4 | 15 | 5 | 33 | 2.0 | 1.31 | 7 | 0.5 | 2.5 | 2.0 | 1.05 | 11.5 | 29 |
| 69-99T-12 | 384139.45 | 6089907.45 | 1 | 2.5 | 2.3 | 350 | 5.0 | 13 | 5 | 31 | 2.0 | 1.11 | 6 | 0.5 | 2.5 | 4.0 | 1.03 | 11.0 | 58 |
| 69-99T-13 | 385120.09 | 6089836.36 | 1 | 2.5 | 2.3 | 320 | 4.9 | 13 | 5 | 32 | 2.0 | 1.25 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 11.0 | 43 |
| 69-99T-14 | 386060.67 | 6089790.62 | 1 | 2.5 | 2.2 | 300 | 4.5 | 13 | 4 | 32 | 1.0 | 1.03 | 6 | 0.5 | 2.5 | 0.5 | 1.00 | 10.5 | 41 |
| 69-99T-15 | 385609.68 | 6088356.80 | 1 | 2.5 | 3.0 | 330 | 7.1 | 11 | 5 | 39 | 1.0 | 1.36 | 10 | 0.5 | 2.5 | 0.5 | 1.12 | 11.0 | 53 |
| 69-99T-16 | 386107.09 | 6089134.20 | 1 | 2.5 | 6.6 | 540 | 4.8 | 7 | 10 | 55 | 2.0 | 2.10 | 8 | 0.5 | 2.5 | 0.5 | 1.23 | 12.5 | 72 |
| 69-99T-17 | 386831.55 | 6088342.61 | 1 | 2.5 | 2.3 | 340 | 5.0 | 14 | 4 | 31 | 0.5 | 1.00 | 6 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 8 |
| 69-99T-18 | 384402.98 | 6085799.86 | 1 | 2.5 | 6.7 | 360 | 4.7 | 13 | 8 | 48 | 2.0 | 2.04 | 8 | 0.5 | 2.5 | 0.5 | 1.07 | 12.0 | 37 |
| 69-99T-19 | 383518.94 | 6085591.65 | 1 | 2.5 | 2.3 | 330 | 4.4 | 13 | 5 | 28 | 0.5 | 1.14 | 8 | 0.5 | 2.5 | 0.5 | 1.07 | 10.5 | 24 |
| 69-99T-21-1 Analytical Duplicate | 384823.47 | 6085301.09 | 1 | 2.5 | 1.7 | 280 | 4.9 | 14 | 4 | 30 | 1.0 | 1.02 | 6 | 0.5 | 2.5 | 0.5 | 0.95 | 10.0 | 53 |
| 69-99T-21-2 Analytical Duplicate | 384823.47 | 6085301.09 | 3 | 2.5 | 1.7 | 330 | 4.2 | 17 | 4 | 23 | 0.5 | 1.07 | 6 | 0.5 | 2.5 | 2.0 | 0.96 | 11.0 | 55 |
| 69-99T-25 | 390069.10 | 6090107.94 | 1 | 2.5 | 2.2 | 300 | 5.4 | 14 | 5 | 30 | 1.0 | 1.27 | 6 | 0.5 | 2.5 | 0.5 | 0.99 | 11.0 | 55 |
| 69-99T-26 | 389273.35 | 6089551.83 | 1 | 2.5 | 3.0 | 320 | 5.7 | 15 | 6 | 35 | 0.5 | 1.30 | 6 | 0.5 | 2.5 | 0.5 | 1.04 | 11.5 | 54 |
| 69-99T-27 | 388381.58 | 6088845.50 | 1 | 2.5 | 1.8 | 390 | 5.3 | 13 | 4 | 33 | 1.0 | 1.21 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 11.0 | 50 |
| 69-99T-28 | 391096.14 | 6090415.34 | 1 | 2.5 | 1.1 | 300 | 8.1 | 18 | 4 | 30 | 0.5 | 0.94 | 6 | 0.5 | 2.5 | 0.5 | 0.91 | 12.0 | 8 |
| 69-99T-29 | 390765.20 | 6089215.18 | 1 | 2.5 | 1.8 | 360 | 7.9 | 14 | 4 | 37 | 2.0 | 1.26 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 11.5 | 40 |
| 69-99T-30 | 389922.08 | 6088381.30 | 1 | 2.5 | 0.3 | 340 | 5.3 | 14 | 5 | 33 | 0.5 | 1.04 | 6 | 0.5 | 2.5 | 4.0 | 1.05 | 10.5 | 52 |
| 69-99T-31 | 387776.64 | 6087871.04 | 1 | 2.5 | 1.8 | 310 | 6.4 | 15 | 4 | 31 | 0.5 | 0.93 | 4 | 0.5 | 2.5 | 0.5 | 1.00 | 11.0 | 40 |
| 69-99T-32 | 389281.25 | 6087309.72 | 1 | 2.5 | 0.8 | 280 | 7.8 | 15 | 4 | 28 | 2.0 | 1.02 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.5 | 24 |
| 69-99T-33 | 387035.08 | 6086978.20 | 1 | 2.5 | 2.2 | 390 | 4.3 | 15 | 5 | 32 | 1.0 | 1.25 | 5 | 0.5 | 2.5 | 0.5 | 1.07 | 11.0 | 52 |
| 69-99T-34 | 388567.46 | 6086677.37 | 1 | 2.5 | 1.9 | 390 | 5.4 | 16 | 4 | 30 | 0.5 | 1.07 | 5 | 0.5 | 2.5 | 0.5 | 1.02 | 11.0 | 53 |
| 69-99T-35 | 390865.79 | 6088176.15 | 1 | 2.5 | 1.8 | 370 | 4.8 | 16 | 4 | 27 | 0.5 | 0.98 | 6 | 0.5 | 2.5 | 0.5 | 1.04 | 10.5 | 44 |
| 69-99T-36 | 390299.61 | 6087715.51 | 12 | 2.5 | 1.9 | 420 | 5.2 | 17 | 4 | 26 | 1.0 | 1.05 | 6 | 0.5 | 2.5 | 0.5 | 1.04 | 10.5 | 26 |
| 69-99T-39 | 392898.97 | 6086971.53 | 1 | 2.5 | 1.7 | 380 | 6.2 | 16 | 4 | 30 | 1.0 | 1.05 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.5 | 38 |
| 69-99T-40 | 392559.91 | 6086340.04 | 1 | 2.5 | 1.7 | 370 | 4.8 | 13 | 4 | 28 | 2.0 | 1.10 | 6 | 0.5 | 2.5 | 3.0 | 1.03 | 10.0 | 56 |
| 69-99T-41-1 Analytical Duplicate | 391167.56 | 6086589.75 | 1 | 2.5 | 2.0 | 370 | 4.7 | 14 | 3 | 31 | 1.0 | 1.07 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 34 |
| 69-99T-41-2 Analytical Duplicate | 391167.56 | 6086589.75 | 1 | 2.5 | 2.3 | 390 | 4.7 | 14 | 4 | 34 | 1.0 | 1.12 | 6 | 0.5 | 2.5 | 0.5 | 1.06 | 10.5 | 36 |
| 69-99T-42 | 391238.39 | 6085940.29 | 1 | 2.5 | 2.0 | 340 | 5.8 | 13 | 5 | 39 | 2.0 | 1.55 | 4 | 0.5 | 2.5 | 3.0 | 1.07 | 12.5 | 52 |
| 69-99T-43 | 389804.68 | 6084999.49 | 1 | 2.5 | 1.5 | 450 | 6.1 | 13 | 4 | 27 | 1.0 | 1.09 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 38 |
| 69-99T-44 | 389261.00 | 6083667.72 | 1 | 2.5 | 2.3 | 320 | 5.0 | 14 | 3 | 27 | 1.0 | 1.05 | 6 | 0.5 | 2.5 | 4.0 | 1.01 | 10.0 | 45 |
| 69-99T-45 | 386653.33 | 6084343.11 | 1 | 2.5 | 1.3 | 240 | 7.9 | 19 | 3 | 27 | 1.0 | 0.84 | 4 | 0.5 | 2.5 | 0.5 | 0.79 | 12.0 | 35 |
| 69-99T-46 | 385883.41 | 6083393.71 | 1 | 2.5 | 2.0 | 350 | 5.7 | 15 | 3 | 30 | 0.5 | 1.08 | 5 | 0.5 | 2.5 | 0.5 | 0.98 | 10.0 | 37 |
| 69-99T-47 | 384919.22 | 6082875.51 | 1 | 2.5 | 2.3 | 290 | 5.2 | 13 | 3 | 27 | 0.5 | 1.07 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 25 |
| 69-99T-49 | 388981.01 | 6090705.90 | 1 | 2.5 | 1.9 | 300 | 5.4 | 14 | 5 | 29 | 1.0 | 1.19 | 5 | 0.5 | 2.5 | 0.5 | 0.96 | 10.5 | 33 |
| 69-99T-50 | 387427.39 | 6090166.15 | 1 | 2.5 | 2.6 | 380 | 5.7 | 13 | 4 | 30 | 0.5 | 1.18 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.5 | 50 |
| 69-99T-51 | 385816.88 | 6087616.81 | 1 | 2.5 | 1.5 | 640 | 0.3 | 2 | 9 | 41 | 3.0 | 1.67 | 6 | 0.5 | 2.5 | 0.5 | 1.69 | 12.0 | 64 |
| 69-99T-52 | 382575.20 | 6088407.01 | 1 | 2.5 | 2.0 | 400 | 4.7 | 13 | 4 | 31 | 0.5 | 1.11 | 8 | 0.5 | 2.5 | 0.5 | 1.01 | 10.0 | 33 |

| Sample Site | UTM | | Au | Ag | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Hg | Ir | Mo | Na | Ni | Rb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 69-99T-53 | 381611.17 | 6087984.39 | 1 | 2.5 | 2.6 | 400 | 4.5 | 16 | 5 | 36 | 1.0 | 1.32 | 7 | 0.5 | 2.5 | 0.5 | 0.99 | 10.0 | 35 |
| 69-99T-54 | 380446.70 | 6088630.40 | 1 | 2.5 | 2.3 | 330 | 4.5 | 16 | 5 | 24 | 0.5 | 0.99 | 4 | 0.5 | 2.5 | 0.5 | 0.95 | 10.0 | 32 |
| 69-99T-55 | 384763.43 | 6089168.41 | 1 | 2.5 | 2.4 | 380 | 4.2 | 15 | 4 | 28 | 1.0 | 1.12 | 5 | 0.5 | 2.5 | 2.0 | 0.99 | 10.5 | 23 |
| 69-99T-56 | 384593.57 | 6087985.36 | 1 | 2.5 | 3.0 | 270 | 5.5 | 11 | 7 | 45 | 3.0 | 1.91 | 7 | 0.5 | 2.5 | 0.5 | 0.98 | 12.0 | 49 |
| 69-99T-57 | 380747.02 | 6088073.86 | 1 | 2.5 | 1.2 | 370 | 5.2 | 16 | 4 | 29 | 0.5 | 1.24 | 5 | 0.5 | 2.5 | 0.5 | 0.93 | 10.0 | 48 |
| 69-99T-59 | 376870.52 | 6089445.37 | 1 | 2.5 | 1.8 | 400 | 4.6 | 13 | 3 | 25 | 0.5 | 0.99 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 47 |
| 69-99T-63 | 371851.38 | 6084985.15 | 1 | 2.5 | 3.4 | 370 | 4.7 | 12 | 5 | 31 | 0.5 | 1.28 | 7 | 0.5 | 2.5 | 3.0 | 1.09 | 10.0 | 23 |
| 69-99T-64 | 370818.75 | 6084894.62 | 1 | 2.5 | 1.2 | 350 | 4.9 | 13 | 4 | 30 | 0.5 | 1.14 | 8 | 0.5 | 2.5 | 0.5 | 0.98 | 10.0 | 8 |
| 69-99T-65 | 371421.23 | 6083690.52 | 1 | 2.5 | 1.5 | 370 | 4.2 | 14 | 4 | 29 | 0.5 | 1.03 | 7 | 0.5 | 2.5 | 0.5 | 1.04 | 10.0 | 41 |
| 69-99T-66 | 370239.75 | 6083375.40 | 1 | 2.5 | 2.3 | 520 | 4.3 | 9 | 10 | 59 | 4.0 | 2.59 | 6 | 0.5 | 2.5 | 0.5 | 1.13 | 13.5 | 62 |
| 69-99T-67 | 369512.90 | 6082951.85 | 1 | 2.5 | 1.4 | 370 | 5.0 | 15 | 3 | 32 | 1.0 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 0.95 | 10.0 | 23 |
| 69-99T-68 | 378482.32 | 6086547.36 | 1 | 2.5 | 1.8 | 410 | 5.0 | 16 | 4 | 24 | 0.5 | 1.09 | 7 | 0.5 | 2.5 | 1.0 | 1.03 | 10.0 | 34 |
| 69-99T-69 | 378901.57 | 6085104.21 | 1 | 2.5 | 2.0 | 290 | 4.3 | 15 | 4 | 31 | 0.5 | 1.22 | 5 | 0.5 | 2.5 | 0.5 | 1.00 | 10.5 | 37 |
| 69-99T-70 | 377176.25 | 6084802.55 | 1 | 2.5 | 3.3 | 300 | 4.9 | 14 | 4 | 22 | 0.5 | 0.89 | 5 | 0.5 | 2.5 | 2.0 | 0.98 | 10.0 | 35 |
| 69-99T-71 | 375594.28 | 6084702.04 | 1 | 2.5 | 2.7 | 380 | 5.0 | 15 | 4 | 27 | 1.0 | 1.09 | 6 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 44 |
| 69-99T-73-1 Analytical Duplicate | 370656.16 | 6087109.32 | 1 | 2.5 | 2.7 | 470 | 5.9 | 15 | 5 | 39 | 1.0 | 1.45 | 7 | 0.5 | 2.5 | 0.5 | 1.11 | 10.0 | 58 |
| 69-99T-73-2 Analytical Duplicate | 370656.16 | 6087109.32 | 1 | 2.5 | 2.0 | 370 | 5.6 | 15 | 5 | 34 | 0.5 | 1.18 | 7 | 0.5 | 2.5 | 2.0 | 1.11 | 10.0 | 38 |
| 69-99T-74 | 368347.58 | 6082970.14 | 1 | 2.5 | 2.3 | 400 | 4.9 | 17 | 5 | 30 | 0.5 | 1.16 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 47 |
| 69-99T-75 | 367566.14 | 6083452.59 | 1 | 2.5 | 2.8 | 330 | 4.7 | 17 | 4 | 27 | 0.5 | 1.02 | 7 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 39 |
| 69-99T-76 | 366875.73 | 6082011.38 | 1 | 2.5 | 1.2 | 380 | 5.1 | 15 | 4 | 35 | 0.5 | 1.18 | 10 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 54 |
| 69-99T-77 | 366237.10 | 6081599.59 | 1 | 2.5 | 2.0 | 400 | 5.0 | 15 | 4 | 34 | 2.0 | 1.07 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 50 |
| 69-99T-78 | 368777.48 | 6081793.37 | 18 | 2.5 | 2.6 | 290 | 7.9 | 18 | 5 | 32 | 1.0 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 0.93 | 10.0 | 35 |
| 69-99T-79 | 369918.79 | 6081283.90 | 1 | 2.5 | 1.5 | 330 | 4.8 | 16 | 3 | 27 | 0.5 | 0.95 | 6 | 0.5 | 2.5 | 2.0 | 1.03 | 10.0 | 31 |
| 69-99T-80 | 371536.33 | 6081711.47 | 1 | 2.5 | 2.5 | 440 | 5.0 | 17 | 4 | 30 | 2.0 | 1.15 | 6 | 0.5 | 2.5 | 2.0 | 1.06 | 10.0 | 39 |
| 69-99T-81 | 370746.10 | 6087688.00 | 1 | 2.5 | 2.2 | 440 | 6.1 | 14 | 5 | 30 | 1.0 | 1.08 | 7 | 0.5 | 2.5 | 2.0 | 1.15 | 10.0 | 44 |
| 69-99T-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 1 | 2.5 | 2.8 | 420 | 4.3 | 14 | 4 | 32 | 1.0 | 1.06 | 7 | 0.5 | 2.5 | 0.5 | 1.14 | 10.0 | 29 |
| 69-99T-82-2 Analytical Duplicate | 372516.50 | 6088851.06 | 1 | 2.5 | 2.9 | 410 | 4.4 | 14 | 4 | 29 | 1.0 | 1.07 | 7 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 58 |
| 69-99T-83 | 372026.99 | 6090288.56 | 1 | 2.5 | 2.4 | 320 | 6.8 | 13 | 4 | 32 | 1.0 | 1.18 | 8 | 0.5 | 2.5 | 0.5 | 1.15 | 10.0 | 41 |
| 69-99T-84 | 370517.90 | 6089778.24 | 1 | 2.5 | 2.0 | 470 | 3.8 | 14 | 4 | 36 | 2.0 | 1.20 | 7 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 60 |
| 69-99T-85 | 370224.45 | 6088963.94 | 1 | 2.5 | 2.8 | 390 | 4.7 | 11 | 4 | 35 | 0.5 | 1.18 | 8 | 0.5 | 2.5 | 0.5 | 1.28 | 10.0 | 67 |
| 69-99T-86 | 370086.72 | 6088310.03 | 1 | 2.5 | 3.9 | 350 | 5.4 | 15 | 4 | 27 | 1.0 | 1.05 | 6 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 42 |
| 69-99T-89 | 359762.87 | 6089860.45 | 2 | 2.5 | 3.4 | 420 | 4.4 | 15 | 7 | 38 | 0.5 | 1.35 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 45 |
| 69-99T-90 | 360419.16 | 6090713.89 | 1 | 2.5 | 2.5 | 360 | 5.6 | 14 | 4 | 28 | 0.5 | 0.96 | 7 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 48 |
| 69-99T-91 | 367854.62 | 6089411.77 | 1 | 2.5 | 2.0 | 380 | 5.4 | 14 | 4 | 28 | 0.5 | 1.00 | 8 | 0.5 | 2.5 | 0.5 | 1.13 | 10.0 | 30 |
| 69-99T-93 | 360817.18 | 6089935.46 | 1 | 2.5 | 2.7 | 410 | 4.9 | 15 | 5 | 34 | 0.5 | 1.24 | 7 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 36 |
| 69-99T-94 | 361334.61 | 6088793.40 | 1 | 2.5 | 3.5 | 420 | 6.5 | 14 | 6 | 59 | 1.0 | 1.38 | 7 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 53 |
| 69-99T-95 | 359548.28 | 6088342.12 | 1 | 2.5 | 2.4 | 390 | 5.4 | 17 | 5 | 30 | 1.0 | 1.18 | 7 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 47 |
| 69-99T-97 | 361670.11 | 6088011.47 | 1 | 2.5 | 3.3 | 410 | 5.5 | 17 | 5 | 36 | 1.0 | 1.28 | 7 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 44 |
| 69-99T-98 | 360997.64 | 6086474.25 | 1 | 2.5 | 3.9 | 330 | 5.2 | 16 | 5 | 36 | 2.0 | 1.24 | 9 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 42 |
| 69-99T-102 | 365042.73 | 6085719.91 | 1 | 2.5 | 1.9 | 370 | 5.4 | 14 | 4 | 35 | 0.5 | 1.24 | 10 | 0.5 | 2.5 | 3.0 | 1.10 | 10.0 | 32 |
| 69-99T-104 | 365252.32 | 6088140.42 | 1 | 2.5 | 1.8 | 370 | 5.4 | 16 | 7 | 55 | 2.0 | 1.40 | 9 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 41 |
| 69-99T-105 | 369243.39 | 6088065.28 | 1 | 2.5 | 2.5 | 380 | 4.8 | 16 | 5 | 30 | 0.5 | 1.11 | 8 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 45 |
| 69-99T-106 | 369259.00 | 6087478.80 | 1 | 2.5 | 2.1 | 460 | 5.3 | 15 | 4 | 33 | 0.5 | 1.21 | 9 | 0.5 | 2.5 | 0.5 | 1.11 | 10.0 | 27 |
| 69-99T-107 | 367342.33 | 6086563.25 | 1 | 2.5 | 2.2 | 380 | 4.6 | 14 | 3 | 33 | 0.5 | 1.02 | 8 | 0.5 | 2.5 | 2.0 | 1.17 | 10.0 | 42 |
| 69-99T-108 | 366150.70 | 6085252.06 | 1 | 2.5 | 2.3 | 370 | 5.2 | 15 | 4 | 30 | 1.0 | 1.08 | 7 | 0.5 | 2.5 | 2.0 | 1.12 | 10.0 | 48 |
| 69-99T-109 | 368585.13 | 6084340.09 | 1 | 2.5 | 2.1 | 360 | 5.5 | 16 | 4 | 31 | 1.0 | 1.12 | 8 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 35 |
| 69-99T-111 | 371414.93 | 6082844.68 | 1 | 2.5 | 1.5 | 370 | 4.6 | 15 | 4 | 31 | 1.0 | 1.01 | 6 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 33 |
| 69-99T-113 | 374372.83 | 6082434.83 | 1 | 2.5 | 2.2 | 390 | 4.3 | 17 | 4 | 29 | 1.0 | 1.02 | 6 | 0.5 | 2.5 | 0.5 | 1.00 | 10.0 | 41 |
| 69-99T-114 | 375612.85 | 6082701.79 | 1 | 2.5 | 1.8 | 370 | 5.0 | 16 | 3 | 32 | 0.5 | 1.06 | 7 | 0.5 | 2.5 | 1.0 | 1.02 | 10.0 | 43 |
| 69-99T-115 | 376837.58 | 6083283.99 | 1 | 2.5 | 2.4 | 400 | 5.0 | 15 | 4 | 30 | 0.5 | 1.10 | 8 | 0.5 | 2.5 | 0.5 | 1.08 | 96.0 | 38 |
| 69-99T-118 | 380435.24 | 6082526.84 | 1 | 2.5 | 2.5 | 400 | 4.8 | 15 | 4 | 28 | 0.5 | 1.05 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 43 |
| 69-99T-121 | 356420.52 | 6088346.81 | 1 | 2.5 | 3.4 | 350 | 4.9 | 17 | 7 | 41 | 2.0 | 1.65 | 5 | 0.5 | 2.5 | 0.5 | 0.95 | 10.0 | 64 |

| Sample Site | UTM | | Au | Ag | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Hg | Ir | Mo | Na | Ni | Rb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 69-99T-123 | 357174.69 | 6086097.90 | 1 | 2.5 | 2.8 | 370 | 4.2 | 16 | 6 | 29 | 2.0 | 1.37 | 7 | 0.5 | 2.5 | 0.5 | 1.00 | 10.0 | 36 |
| 69-99T-124-1 Analytical Duplicate | 362147.22 | 6090729.66 | 1 | 2.5 | 2.4 | 390 | 5.4 | 16 | 6 | 35 | 1.0 | 1.34 | 6 | 0.5 | 2.5 | 0.5 | 0.98 | 10.0 | 56 |
| 69-99T-124-2 Analytical Duplicate | 362147.22 | 6090729.66 | 1 | 2.5 | 2.5 | 420 | 5.6 | 17 | 6 | 36 | 1.0 | 1.37 | 6 | 0.5 | 2.5 | 0.5 | 1.00 | 10.0 | 52 |
| 69-99T-125 | 362574.30 | 6088793.60 | 3 | 2.5 | 3.1 | 440 | 5.5 | 16 | 6 | 40 | 1.0 | 1.50 | 6 | 0.5 | 2.5 | 2.0 | 0.93 | 10.0 | 45 |
| 69-99T-126 | 359632.73 | 6085112.70 | 1 | 2.5 | 3.0 | 330 | 4.9 | 15 | 4 | 32 | 1.0 | 1.11 | 7 | 0.5 | 2.5 | 2.0 | 0.97 | 10.0 | 62 |
| 69-99T-127 | 359088.91 | 6087067.02 | 1 | 2.5 | 1.8 | 390 | 4.2 | 15 | 4 | 28 | 1.0 | 1.09 | 8 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 53 |
| 69-99T-131 | 356359.18 | 6084946.56 | 1 | 2.5 | 2.3 | 460 | 5.3 | 17 | 5 | 38 | 2.0 | 1.52 | 5 | 0.5 | 2.5 | 0.5 | 0.98 | 10.0 | 55 |
| 69-99T-134 | 353845.36 | 6085793.03 | 1 | 2.5 | 3.5 | 280 | 5.4 | 15 | 6 | 40 | 2.0 | 1.53 | 7 | 0.5 | 2.5 | 2.0 | 1.01 | 10.0 | 58 |
| 69-99T-135 | 354883.31 | 6084079.64 | 1 | 2.5 | 4.2 | 490 | 5.0 | 16 | 6 | 59 | 2.0 | 1.57 | 6 | 0.5 | 2.5 | 2.0 | 0.98 | 10.0 | 60 |
| 69-99T-136 | 349567.90 | 6083833.12 | 1 | 2.5 | 2.2 | 360 | 5.8 | 15 | 6 | 39 | 2.0 | 1.43 | 6 | 0.5 | 2.5 | 0.5 | 1.04 | 10.0 | 50 |
| 69-99T-139 | 357564.78 | 6084160.24 | 1 | 2.5 | 4.6 | 400 | 6.9 | 19 | 7 | 35 | 2.0 | 1.55 | 5 | 0.5 | 2.5 | 0.5 | 0.90 | 10.0 | 46 |
| 69-99T-140 | 363864.01 | 6082169.82 | 1 | 2.5 | 0.3 | 390 | 5.9 | 16 | 5 | 34 | 1.0 | 1.30 | 5 | 0.5 | 2.5 | 2.0 | 0.99 | 86.0 | 44 |
| 69-99T-142 | 361255.11 | 6081288.51 | 1 | 2.5 | 2.9 | 430 | 4.8 | 18 | 6 | 37 | 1.0 | 1.28 | 8 | 0.5 | 2.5 | 2.0 | 0.98 | 10.0 | 52 |
| 69-99T-145-1 Analytical Duplicate | 365012.13 | 6082425.90 | 1 | 2.5 | 0.8 | 380 | 5.2 | 16 | 4 | 28 | 0.5 | 0.89 | 6 | 0.5 | 2.5 | 1.0 | 1.05 | 10.0 | 49 |
| 69-99T-145-2 Analytical Duplicate | 365012.13 | 6082425.90 | 1 | 2.5 | 0.9 | 360 | 5.0 | 16 | 3 | 30 | 0.5 | 0.85 | 6 | 0.5 | 2.5 | 1.0 | 1.01 | 10.0 | 33 |
| 69-99T-146 | 388300.25 | 6089844.48 | 1 | 2.5 | 2.0 | 440 | 4.5 | 17 | 5 | 30 | 0.5 | 1.13 | 6 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 36 |
| 69-99T-147 | 382347.59 | 6086399.71 | 1 | 2.5 | 2.3 | 340 | 4.8 | 16 | 3 | 31 | 0.5 | 0.99 | 7 | 0.5 | 2.5 | 4.0 | 0.97 | 10.0 | 40 |
| 69-99T-148 | 373091.61 | 6084449.15 | 1 | 2.5 | 2.3 | 460 | 5.1 | 15 | 5 | 35 | 1.0 | 1.40 | 5 | 0.5 | 2.5 | 3.0 | 0.93 | 10.0 | 45 |
| 69-99T-149 | 370525.75 | 6084197.53 | 6 | 2.5 | 2.6 | 380 | 5.9 | 16 | 5 | 35 | 2.0 | 1.30 | 6 | 0.5 | 2.5 | 4.0 | 1.04 | 10.0 | 52 |
| 69-99T-150 | 378340.48 | 6088920.71 | 27 | 2.5 | 1.2 | 310 | 5.7 | 17 | 4 | 35 | 0.5 | 1.13 | 10 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 30 |
| 69-99T-151 | 379171.14 | 6087918.37 | 1 | 2.5 | 1.8 | 380 | 6.2 | 17 | 3 | 32 | 1.0 | 1.12 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 48 |
| 69-99T-152 | 375414.93 | 6088856.96 | 1 | 2.5 | 2.5 | 440 | 4.2 | 15 | 4 | 38 | 2.0 | 1.27 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 63 |
| 69-99T-154 | 376668.36 | 6087121.26 | 1 | 2.5 | 2.4 | 480 | 5.9 | 16 | 4 | 33 | 1.0 | 1.30 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 48 |
| 69-99T-155 | 375877.60 | 6086516.58 | 1 | 2.5 | 2.4 | 360 | 4.8 | 11 | 5 | 37 | 0.5 | 1.26 | 11 | 0.5 | 2.5 | 0.5 | 1.15 | 10.0 | 41 |
| 69-99T-156 | 373995.52 | 6086125.05 | 1 | 2.5 | 1.8 | 310 | 5.1 | 12 | 5 | 30 | 2.0 | 1.19 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 47 |
| 69-99T-157 | 372027.71 | 6087027.04 | 11 | 2.5 | 2.6 | 370 | 7.1 | 12 | 5 | 31 | 2.0 | 1.23 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 23 |
| 69-99T-201 | 371334.99 | 6079065.23 | 1 | 2.5 | 2.1 | 380 | 3.9 | 13 | 4 | 32 | 0.5 | 1.46 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 48 |
| 69-99T-202 | 370612.18 | 6078749.88 | 1 | 2.5 | 2.3 | 380 | 4.5 | 14 | 4 | 30 | 0.5 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 36 |
| 69-99T-203 | 369733.49 | 6079116.31 | 1 | 2.5 | 1.6 | 320 | 4.8 | 14 | 4 | 33 | 0.5 | 1.07 | 6 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 48 |
| 69-99T-204 | 368745.75 | 6078704.52 | 5 | 2.5 | 2.5 | 320 | 3.8 | 14 | 4 | 34 | 1.0 | 1.22 | 8 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 47 |
| 69-99T-205 | 367736.72 | 6078107.25 | 1 | 2.5 | 1.2 | 350 | 4.5 | 13 | 5 | 34 | 0.5 | 1.21 | 7 | 0.5 | 2.5 | 2.0 | 1.08 | 10.0 | 47 |
| 69-99T-206 | 366185.42 | 6077629.58 | 1 | 2.5 | 2.0 | 350 | 4.1 | 14 | 5 | 34 | 0.5 | 1.10 | 7 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 46 |
| 69-99T-207 | 370205.14 | 6080422.95 | 1 | 2.5 | 2.7 | 390 | 5.0 | 14 | 4 | 28 | 1.0 | 1.24 | 6 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 38 |
| 69-99T-208 | 365599.84 | 6076900.47 | 1 | 2.5 | 2.7 | 340 | 5.1 | 14 | 4 | 28 | 0.5 | 1.01 | 5 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 37 |
| 69-99T-209 | 367275.47 | 6079004.52 | 1 | 2.5 | 1.4 | 240 | 4.2 | 13 | 4 | 30 | 0.5 | 0.87 | 7 | 0.5 | 2.5 | 2.0 | 1.10 | 10.0 | 38 |
| 69-99T-210 | 367991.68 | 6079460.20 | 1 | 2.5 | 3.1 | 340 | 4.0 | 13 | 4 | 32 | 0.5 | 1.08 | 7 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 8 |
| 69-99T-211 | 368856.57 | 6080449.74 | 1 | 2.5 | 1.5 | 340 | 4.3 | 14 | 5 | 33 | 1.0 | 1.23 | 6 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 49 |
| 69-99T-212 | 367569.80 | 6080402.33 | 1 | 2.5 | 2.6 | 300 | 4.4 | 14 | 4 | 29 | 1.0 | 1.09 | 5 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 41 |
| 69-99T-213 | 365183.13 | 6079542.10 | 1 | 2.5 | 2.2 | 350 | 4.4 | 13 | 4 | 41 | 2.0 | 1.22 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 53 |
| 69-99T-214 | 360603.87 | 6076390.98 | 1 | 2.5 | 8.1 | 370 | 5.3 | 12 | 5 | 48 | 1.0 | 1.35 | 6 | 0.5 | 2.5 | 2.0 | 1.19 | 10.5 | 49 |
| 69-99T-215 | 360976.40 | 6074963.41 | 1 | 2.5 | 2.0 | 350 | 4.0 | 11 | 4 | 35 | 0.5 | 1.07 | 6 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 50 |
| 69-99T-218 | 363444.79 | 6074383.10 | 1 | 2.5 | 1.6 | 300 | 6.3 | 14 | 4 | 30 | 0.5 | 1.14 | 5 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 53 |
| 69-99T-219-1 Analytical Duplicate | 367825.77 | 6068425.98 | 8 | 2.5 | 1.6 | 380 | 4.4 | 12 | 4 | 28 | 2.0 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 40 |
| 69-99T-219-2 Analytical Duplicate | 367825.77 | 6068425.98 | 1 | 2.5 | 1.7 | 390 | 4.6 | 13 | 4 | 31 | 1.0 | 1.11 | 7 | 0.5 | 2.5 | 0.5 | 1.13 | 10.0 | 46 |
| 69-99T-220 | 368431.98 | 6067452.60 | 1 | 2.5 | 3.0 | 400 | 4.4 | 15 | 6 | 34 | 1.0 | 1.30 | 5 | 0.5 | 2.5 | 0.5 | 1.08 | 10.5 | 39 |
| 69-99T-221 | 360246.41 | 6081552.52 | 1 | 2.5 | 2.2 | 240 | 4.4 | 13 | 6 | 39 | 2.0 | 1.47 | 6 | 0.5 | 2.5 | 0.5 | 1.01 | 10.0 | 38 |
| 69-99T-223 | 355505.67 | 6083205.01 | 1 | 2.5 | 5.2 | 320 | 4.2 | 15 | 7 | 31 | 1.0 | 1.28 | 6 | 0.5 | 2.5 | 3.0 | 0.97 | 10.0 | 32 |
| 69-99T-224 | 350117.78 | 6081716.84 | 1 | 2.5 | 2.6 | 250 | 6.8 | 19 | 6 | 34 | 2.0 | 1.66 | 3 | 0.5 | 2.5 | 0.5 | 0.80 | 10.5 | 62 |
| 69-99T-225 | 350702.40 | 6083206.61 | 1 | 2.5 | 3.0 | 350 | 4.3 | 13 | 3 | 24 | 0.5 | 0.88 | 6 | 0.5 | 2.5 | 2.0 | 1.08 | 10.0 | 46 |
| 69-99T-226 | 354277.47 | 6083205.79 | 1 | 2.5 | 2.6 | 380 | 6.4 | 15 | 6 | 37 | 2.0 | 1.45 | 5 | 0.5 | 2.5 | 0.5 | 0.97 | 10.5 | 56 |
| 69-99T-227 | 355381.59 | 6075600.60 | 1 | 2.5 | 2.3 | 330 | 4.6 | 14 | 5 | 34 | 2.0 | 1.33 | 6 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 50 |
| 69-99T-228 | 353986.25 | 6074843.74 | 1 | 2.5 | 1.5 | 420 | 6.6 | 13 | 7 | 43 | 3.0 | 1.98 | 5 | 0.5 | 2.5 | 2.0 | 1.08 | 12.0 | 64 |

| Sample Site | UTM | | Au | Ag | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Hg | Ir | Mo | Na | Ni | Rb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 69-99T-229 | 353511.14 | 6076295.59 | 1 | 2.5 | 3.8 | 400 | 8.7 | 12 | 6 | 39 | 1.0 | 1.50 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.5 | 57 |
| 69-99T-230-1 Analytical Duplicate | 355405.44 | 6076684.24 | 1 | 2.5 | 2.9 | 440 | 7.3 | 18 | 5 | 39 | 1.0 | 1.46 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 41 |
| 69-99T-230-2 Analytical Duplicate | 355405.44 | 6076684.24 | 1 | 2.5 | 3.0 | 420 | 6.5 | 18 | 5 | 37 | 2.0 | 1.40 | 6 | 0.5 | 2.5 | 0.5 | 1.01 | 10.0 | 42 |
| 69-99T-233 | 353080.39 | 6072997.78 | 1 | 2.5 | 3.5 | 460 | 10.3 | 18 | 8 | 44 | 3.0 | 1.89 | 5 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 59 |
| 69-99T-234 | 352085.67 | 6071913.45 | 1 | 2.5 | 1.9 | 470 | 6.4 | 20 | 6 | 40 | 2.0 | 1.60 | 5 | 0.5 | 2.5 | 4.0 | 0.98 | 10.0 | 64 |
| 69-99T-235 | 352971.33 | 6071021.91 | 1 | 2.5 | 3.1 | 450 | 6.4 | 21 | 13 | 62 | 3.0 | 2.37 | 5 | 0.5 | 2.5 | 2.0 | 1.20 | 10.5 | 53 |
| 69-99T-236 | 375222.72 | 6068829.48 | 1 | 2.5 | 0.3 | 400 | 11.3 | 20 | 5 | 38 | 2.0 | 1.19 | 5 | 0.5 | 2.5 | 0.5 | 1.00 | 10.0 | 47 |
| 69-99T-237 | 373322.15 | 6067669.32 | 1 | 2.5 | 3.2 | 510 | 6.5 | 17 | 6 | 39 | 1.0 | 1.33 | 6 | 0.5 | 2.5 | 3.0 | 1.06 | 10.0 | 35 |
| 69-99T-238 | 372452.18 | 6069244.38 | 1 | 2.5 | 2.9 | 450 | 5.3 | 17 | 5 | 38 | 1.0 | 1.30 | 7 | 0.5 | 2.5 | 3.0 | 1.11 | 10.0 | 48 |
| 69-99T-239 | 368922.50 | 6069508.74 | 1 | 2.5 | 2.8 | 530 | 5.6 | 19 | 4 | 38 | 1.0 | 1.21 | 6 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 44 |
| 69-99T-240 | 370909.02 | 6070515.51 | 1 | 2.5 | 2.3 | 450 | 5.3 | 19 | 5 | 38 | 3.0 | 1.27 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 53 |
| 69-99T-241 | 372758.61 | 6071129.61 | 1 | 2.5 | 3.2 | 480 | 5.8 | 19 | 5 | 37 | 1.0 | 1.42 | 5 | 0.5 | 2.5 | 0.5 | 1.01 | 10.0 | 34 |
| 69-99T-242 | 370633.94 | 6066046.81 | 1 | 2.5 | 2.3 | 330 | 5.1 | 18 | 5 | 41 | 2.0 | 1.31 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 41 |
| 69-99T-243 | 373883.08 | 6066058.33 | 1 | 2.5 | 2.8 | 430 | 4.9 | 19 | 5 | 34 | 1.0 | 1.23 | 6 | 0.5 | 2.5 | 2.0 | 1.04 | 10.0 | 34 |
| 69-99T-245 | 373013.86 | 6074903.92 | 1 | 2.5 | 2.5 | 480 | 4.5 | 16 | 4 | 33 | 1.0 | 1.11 | 7 | 0.5 | 2.5 | 0.5 | 1.16 | 10.0 | 27 |
| 69-99T-246 | 375209.93 | 6072610.07 | 1 | 2.5 | 2.9 | 430 | 5.3 | 18 | 5 | 43 | 2.0 | 1.27 | 6 | 0.5 | 2.5 | 2.0 | 1.09 | 10.0 | 34 |
| 69-99T-248-1 Analytical Duplicate | 363998.87 | 6080166.06 | 1 | 2.5 | 2.6 | 360 | 4.4 | 17 | 5 | 38 | 1.0 | 1.18 | 7 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 39 |
| 69-99T-248-2 Analytical Duplicate | 363998.87 | 6080166.06 | 1 | 2.5 | 2.4 | 400 | 4.3 | 16 | 5 | 39 | 1.0 | 1.27 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 41 |
| 69-99T-249 | 366434.90 | 6080165.02 | 1 | 2.5 | 1.3 | 390 | 6.0 | 16 | 8 | 45 | 2.0 | 1.76 | 4 | 0.5 | 2.5 | 5.0 | 1.03 | 10.0 | 69 |
| 69-99T-250 | 365625.09 | 6080983.27 | 1 | 2.5 | 2.5 | 600 | 6.1 | 9 | 17 | 92 | 5.0 | 3.75 | 10 | 0.5 | 2.5 | 5.0 | 1.16 | 12.5 | 109 |
| 69-99T-251 | 369454.61 | 6077674.80 | 4 | 2.5 | 1.9 | 420 | 4.9 | 16 | 4 | 35 | 1.0 | 1.09 | 8 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 35 |
| 69-99T-252 | 370212.70 | 6077226.07 | 1 | 2.5 | 4.3 | 600 | 0.3 | 14 | 10 | 68 | 3.0 | 2.43 | 7 | 0.5 | 2.5 | 0.5 | 1.18 | 10.0 | 70 |
| 69-99T-253 | 369727.62 | 6076391.19 | 1 | 2.5 | 2.6 | 390 | 4.6 | 15 | 5 | 39 | 2.0 | 1.28 | 8 | 0.5 | 2.5 | 0.5 | 1.21 | 10.0 | 39 |
| 69-99T-260 | 359223.52 | 6069883.78 | 2 | 2.5 | 2.2 | 390 | 6.9 | 22 | 5 | 38 | 1.0 | 1.27 | 5 | 0.5 | 2.5 | 0.5 | 1.02 | 10.0 | 33 |
| 69-99T-261 | 360063.93 | 6069315.74 | 1 | 2.5 | 1.3 | 530 | 4.1 | 15 | 7 | 50 | 2.0 | 1.34 | 10 | 0.5 | 2.5 | 0.5 | 1.22 | 10.0 | 68 |
| 69-99T-262 | 355969.59 | 6070935.17 | 1 | 2.5 | 3.2 | 440 | 4.4 | 15 | 5 | 31 | 0.5 | 1.20 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 46 |
| 69-99T-263 | 357994.39 | 6070646.49 | 1 | 2.5 | 2.1 | 440 | 5.0 | 16 | 4 | 34 | 1.0 | 1.03 | 7 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 34 |
| 69-99T-264 | 360989.77 | 6069149.40 | 1 | 2.5 | 2.2 | 450 | 4.1 | 15 | 7 | 53 | 3.0 | 1.73 | 9 | 0.5 | 2.5 | 0.5 | 1.29 | 10.0 | 52 |
| 69-99T-265 | 361329.67 | 6072980.83 | 1 | 2.5 | 2.7 | 370 | 4.6 | 17 | 4 | 30 | 0.5 | 1.03 | 6 | 0.5 | 2.5 | 0.5 | 1.13 | 10.0 | 26 |
| 69-99T-266 | 363559.03 | 6071022.97 | 8 | 2.5 | 0.6 | 360 | 4.9 | 19 | 4 | 31 | 0.5 | 1.04 | 5 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 24 |
| 69-99T-267 | 377020.28 | 6069882.33 | 1 | 2.5 | 0.7 | 410 | 6.4 | 20 | 5 | 40 | 2.0 | 1.45 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 38 |
| 69-99T-268 | 379044.14 | 6070599.95 | 1 | 2.5 | 1.6 | 490 | 5.3 | 14 | 5 | 40 | 1.0 | 1.19 | 12 | 0.5 | 2.5 | 3.0 | 1.30 | 11.5 | 19 |
| 69-99T-269 | 376364.81 | 6071760.41 | 4 | 2.5 | 2.7 | 410 | 6.3 | 19 | 6 | 34 | 0.5 | 1.33 | 6 | 0.5 | 2.5 | 2.0 | 1.14 | 13.0 | 62 |
| 69-99T-271 | 383858.83 | 6067703.50 | 1 | 2.5 | 2.5 | 460 | 5.3 | 17 | 5 | 29 | 1.0 | 1.26 | 7 | 0.5 | 2.5 | 3.0 | 1.18 | 12.5 | 43 |
| 69-99T-272 | 384102.61 | 6068885.27 | 1 | 2.5 | 3.3 | 400 | 5.2 | 17 | 7 | 45 | 2.0 | 1.72 | 6 | 0.5 | 2.5 | 0.5 | 1.18 | 10.0 | 80 |
| 69-99T-273 | 380547.15 | 6070612.20 | 1 | 2.5 | 1.6 | 510 | 6.8 | 16 | 6 | 44 | 2.0 | 1.66 | 7 | 0.5 | 2.5 | 0.5 | 1.12 | 13.0 | 38 |
| 69-99T-274 | 382955.22 | 6071800.72 | 3 | 2.5 | 2.2 | 380 | 5.5 | 12 | 5 | 39 | 0.5 | 1.30 | 11 | 0.5 | 2.5 | 0.5 | 1.32 | 12.0 | 57 |
| 69-99T-275 | 381967.41 | 6070087.68 | 1 | 2.5 | 2.6 | 350 | 6.1 | 12 | 3 | 34 | 1.0 | 1.11 | 10 | 0.5 | 2.5 | 0.5 | 1.25 | 11.0 | 54 |
| 69-99T-276-1 Analytical Duplicate | 385148.66 | 6077248.38 | 1 | 2.5 | 3.5 | 420 | 6.5 | 16 | 5 | 41 | 2.0 | 1.38 | 7 | 0.5 | 2.5 | 2.0 | 1.12 | 12.5 | 56 |
| 69-99T-276-2 Analytical Duplicate | 385148.66 | 6077248.38 | 1 | 2.5 | 3.5 | 470 | 7.0 | 15 | 5 | 44 | 2.0 | 1.52 | 8 | 0.5 | 2.5 | 1.0 | 1.24 | 12.5 | 48 |
| 69-99T-277 | 386690.16 | 6081682.14 | 1 | 2.5 | 1.5 | 390 | 4.5 | 17 | 4 | 28 | 0.5 | 1.13 | 6 | 0.5 | 2.5 | 0.5 | 1.19 | 11.5 | 43 |
| 69-99T-278 | 388023.91 | 6080577.61 | 1 | 2.5 | 2.7 | 410 | 4.7 | 16 | 6 | 35 | 1.0 | 1.14 | 7 | 0.5 | 2.5 | 0.5 | 1.12 | 12.0 | 44 |
| 69-99T-279 | 376310.70 | 6077007.87 | 1 | 2.5 | 1.5 | 360 | 4.6 | 15 | 4 | 31 | 0.5 | 1.03 | 8 | 0.5 | 2.5 | 0.5 | 1.17 | 11.0 | 24 |
| 69-99T-281 | 379124.40 | 6067728.11 | 1 | 2.5 | 2.0 | 350 | 5.1 | 17 | 4 | 33 | 1.0 | 1.22 | 8 | 0.5 | 2.5 | 0.5 | 1.07 | 11.5 | 47 |
| 69-99T-282 | 382727.20 | 6079909.30 | 1 | 2.5 | 2.7 | 380 | 5.8 | 16 | 4 | 39 | 1.0 | 1.19 | 7 | 0.5 | 2.5 | 0.5 | 1.10 | 12.0 | 8 |
| 69-99T-284 | 383840.14 | 6075866.88 | 1 | 2.5 | 2.0 | 460 | 4.4 | 17 | 4 | 32 | 0.5 | 1.15 | 7 | 0.5 | 2.5 | 0.5 | 1.15 | 11.5 | 55 |
| 69-99T-285 | 382958.94 | 6074543.38 | 1 | 2.5 | 3.2 | 460 | 6.0 | 17 | 7 | 43 | 3.0 | 1.88 | 5 | 0.5 | 2.5 | 0.5 | 1.09 | 11.5 | 68 |
| 69-99T-286 | 385475.05 | 6074190.49 | 6 | 2.5 | 2.4 | 420 | 6.0 | 16 | 5 | 44 | 1.0 | 1.48 | 12 | 0.5 | 2.5 | 0.5 | 1.15 | 11.5 | 52 |
| 69-99T-287 | 385938.09 | 6072538.35 | 1 | 2.5 | 1.7 | 370 | 5.8 | 15 | 4 | 35 | 1.0 | 1.14 | 7 | 0.5 | 2.5 | 2.0 | 1.07 | 12.0 | 40 |
| 69-99T-288 | 384706.93 | 6071638.97 | 1 | 2.5 | 1.6 | 320 | 4.3 | 17 | 6 | 36 | 2.0 | 1.33 | 5 | 0.5 | 2.5 | 0.5 | 1.10 | 12.5 | 67 |
| 69-99T-289 | 384447.42 | 6070035.32 | 1 | 2.5 | 2.6 | 410 | 5.1 | 16 | 5 | 33 | 2.0 | 1.26 | 7 | 0.5 | 2.5 | 0.5 | 1.14 | 12.0 | 34 |
| 69-99T-290 | 385875.21 | 6070091.77 | 1 | 2.5 | 2.5 | 390 | 5.5 | 19 | 7 | 42 | 2.0 | 1.50 | 6 | 0.5 | 2.5 | 0.5 | 1.19 | 14.0 | 53 |

| Sample Site | UTM | | Au | Ag | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | Hg | Ir | Mo | Na | Ni | Rb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| 69-99T-291 | 386749.94 | 6071142.51 | 1 | 2.5 | 2.6 | 420 | 6.0 | 18 | 7 | 40 | 2.0 | 1.44 | 6 | 0.5 | 2.5 | 0.5 | 1.12 | 12.5 | 64 |
| 69-99T-292-1 Analytical Duplicate | 372658.22 | 6079359.51 | 15 | 2.5 | 2.4 | 370 | 4.4 | 17 | 5 | 35 | 1.0 | 1.30 | 7 | 0.5 | 2.5 | 2.0 | 1.12 | 12.0 | 42 |
| 69-99T-292-2 Analytical Duplicate | 372658.22 | 6079359.51 | 2 | 2.5 | 2.5 | 430 | 4.2 | 16 | 5 | 35 | 0.5 | 1.27 | 6 | 0.5 | 2.5 | 3.0 | 1.10 | 11.5 | 37 |
| 69-99T-293 | 373332.21 | 6078856.12 | 1 | 2.5 | 2.0 | 400 | 4.4 | 15 | 5 | 34 | 2.0 | 1.17 | 9 | 0.5 | 2.5 | 0.5 | 1.09 | 11.0 | 60 |
| 69-99T-294 | 374312.89 | 6078921.40 | 1 | 2.5 | 3.3 | 360 | 4.0 | 14 | 5 | 36 | 2.0 | 1.29 | 6 | 0.5 | 2.5 | 0.5 | 1.15 | 11.5 | 49 |
| 69-99T-295 | 375182.62 | 6078624.03 | 1 | 2.5 | 2.1 | 460 | 4.9 | 15 | 5 | 35 | 2.0 | 1.25 | 7 | 0.5 | 2.5 | 2.0 | 1.17 | 11.5 | 43 |
| 69-99T-296 | 376386.81 | 6078570.83 | 1 | 2.5 | 2.5 | 410 | 4.2 | 15 | 6 | 44 | 2.0 | 1.55 | 7 | 0.5 | 2.5 | 2.0 | 1.14 | 12.0 | 57 |
| 69-99T-297 | 377606.00 | 6078057.09 | 1 | 2.5 | 1.7 | 350 | 3.9 | 16 | 6 | 36 | 0.5 | 1.22 | 6 | 0.5 | 2.5 | 3.0 | 1.14 | 11.5 | 58 |
| 69-99T-298 | 377794.68 | 6079094.31 | 1 | 2.5 | 3.0 | 400 | 4.4 | 15 | 5 | 39 | 3.0 | 1.37 | 7 | 0.5 | 2.5 | 0.5 | 1.14 | 12.0 | 40 |
| 69-99T-299 | 377733.77 | 6080049.38 | 8 | 2.5 | 7.4 | 400 | 4.9 | 13 | 10 | 108 | 3.0 | 1.82 | 9 | 0.5 | 2.5 | 0.5 | 1.18 | 11.0 | 45 |
| 69-99T-300 | 383601.49 | 6081754.27 | 1 | 2.5 | 1.8 | 380 | 4.2 | 15 | 5 | 37 | 2.0 | 1.34 | 8 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 66 |
| 69-99T-301 | 382264.75 | 6081807.41 | 1 | 2.5 | 1.8 | 340 | 4.6 | 14 | 4 | 39 | 0.5 | 1.28 | 14 | 0.5 | 2.5 | 0.5 | 1.17 | 10.0 | 57 |
| 69-99T-302 | 381825.16 | 6080640.92 | 1 | 2.5 | 2.4 | 330 | 4.6 | 13 | 4 | 34 | 1.0 | 1.18 | 6 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 43 |
| 69-99T-303 | 381419.93 | 6079292.48 | 1 | 2.5 | 2.0 | 300 | 5.0 | 16 | 4 | 33 | 1.0 | 1.10 | 6 | 0.5 | 2.5 | 2.0 | 1.10 | 10.0 | 23 |
| 69-99T-304 | 379828.87 | 6079816.74 | 1 | 2.5 | 3.1 | 390 | 4.3 | 14 | 6 | 47 | 1.0 | 1.43 | 7 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 42 |
| 69-99T-305 | 373257.01 | 6080611.99 | 1 | 2.5 | 1.3 | 390 | 3.7 | 14 | 4 | 32 | 0.5 | 0.99 | 7 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 46 |
| 69-99T-306 | 374075.08 | 6080290.59 | 1 | 2.5 | 2.3 | 410 | 4.0 | 15 | 4 | 34 | 1.0 | 1.11 | 7 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 34 |
| 69-99T-308 | 378593.33 | 6079122.68 | 1 | 2.5 | 2.3 | 370 | 3.9 | 16 | 4 | 32 | 0.5 | 1.15 | 8 | 0.5 | 2.5 | 0.5 | 1.11 | 10.0 | 26 |
| 69-99T-310 | 378075.60 | 6081454.42 | 3 | 2.5 | 1.8 | 380 | 4.5 | 14 | 4 | 27 | 1.0 | 1.00 | 7 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 35 |
| 69-99T-311 | 375825.45 | 6081477.33 | 1 | 2.5 | 2.0 | 340 | 4.3 | 15 | 4 | 25 | 1.0 | 0.93 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 48 |
| 69-99T-312 | 374729.14 | 6081514.74 | 1 | 2.5 | 2.4 | 360 | 5.7 | 13 | 5 | 34 | 1.0 | 1.07 | 6 | 0.5 | 2.5 | 0.5 | 1.04 | 10.0 | 26 |
| 69-99T-314-1 Analytical Duplicate | 380441.27 | 6077362.52 | 1 | 2.5 | 2.6 | 420 | 5.2 | 16 | 6 | 40 | 1.0 | 1.41 | 5 | 0.5 | 2.5 | 0.5 | 1.03 | 10.5 | 29 |
| 69-99T-314-2 Analytical Duplicate | 380441.27 | 6077362.52 | 1 | 2.5 | 2.4 | 390 | 4.7 | 16 | 6 | 43 | 2.0 | 1.50 | 5 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 26 |
| 69-99T-315 | 379424.91 | 6076667.36 | 1 | 2.5 | 2.9 | 340 | 4.2 | 15 | 7 | 34 | 2.0 | 1.36 | 5 | 0.5 | 2.5 | 0.5 | 1.07 | 10.5 | 34 |
| 69-99T-316 | 378083.67 | 6075976.30 | 1 | 2.5 | 2.3 | 420 | 5.6 | 15 | 5 | 33 | 1.0 | 1.39 | 5 | 0.5 | 2.5 | 0.5 | 1.04 | 10.0 | 41 |
| 69-99T-317 | 378975.05 | 6075002.82 | 1 | 2.5 | 2.1 | 400 | 4.0 | 10 | 7 | 41 | 2.0 | 1.58 | 6 | 0.5 | 2.5 | 2.0 | 1.15 | 11.0 | 63 |
| 69-99T-319 | 377992.28 | 6071532.08 | 1 | 2.5 | 2.3 | 330 | 5.6 | 15 | 5 | 31 | 2.0 | 1.30 | 6 | 0.5 | 2.5 | 0.5 | 1.01 | 10.0 | 56 |
| 69-99T-320 | 378032.77 | 6073502.62 | 1 | 2.5 | 2.6 | 380 | 3.8 | 14 | 5 | 35 | 2.0 | 1.26 | 6 | 0.5 | 2.5 | 1.0 | 1.05 | 10.0 | 27 |
| 69-99T-322 | 376788.52 | 6076148.06 | 1 | 2.5 | 2.0 | 340 | 4.8 | 15 | 3 | 27 | 1.0 | 0.86 | 7 | 0.5 | 2.5 | 2.0 | 1.13 | 10.0 | 46 |
| 69-99T-324 | 371909.21 | 6077077.66 | 1 | 2.5 | 1.8 | 360 | 4.5 | 15 | 3 | 26 | 2.0 | 0.92 | 6 | 0.5 | 2.5 | 0.5 | 1.13 | 10.0 | 48 |
| 69-99T-325 | 371394.88 | 6077468.54 | 1 | 2.5 | 2.4 | 310 | 4.4 | 17 | 5 | 39 | 2.0 | 1.29 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 62 |
| 69-99T-326 | 367010.80 | 6076322.95 | 1 | 2.5 | 1.8 | 410 | 4.0 | 16 | 5 | 40 | 2.0 | 1.23 | 6 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 44 |
| 69-99T-327 | 365544.89 | 6075097.76 | 1 | 2.5 | 2.4 | 320 | 4.1 | 15 | 4 | 30 | 0.5 | 1.01 | 5 | 0.5 | 2.5 | 2.0 | 1.04 | 10.0 | 38 |
| 69-99T-328 | 366630.37 | 6073449.41 | 1 | 2.5 | 2.3 | 370 | 4.1 | 16 | 4 | 28 | 0.5 | 1.12 | 7 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 49 |
| 69-99T-329-1 Analytical Duplicate | 373524.62 | 6072776.30 | 1 | 2.5 | 2.2 | 400 | 4.6 | 15 | 4 | 31 | 1.0 | 1.07 | 7 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 42 |
| 69-99T-329-2 Analytical Duplicate | 373524.62 | 6072776.30 | 1 | 2.5 | 2.4 | 370 | 4.9 | 16 | 4 | 32 | 1.0 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 39 |
| 69-99T-330 | 373090.65 | 6073609.38 | 1 | 2.5 | 3.9 | 400 | 4.2 | 17 | 5 | 35 | 1.0 | 1.26 | 6 | 0.5 | 2.5 | 1.0 | 1.10 | 10.0 | 34 |
| 69-99T-331 | 372325.83 | 6073335.34 | 1 | 2.5 | 2.0 | 350 | 4.1 | 16 | 4 | 31 | 2.0 | 1.09 | 6 | 0.5 | 2.5 | 0.5 | 1.08 | 10.0 | 31 |
| 69-99T-332 | 371343.79 | 6071847.26 | 1 | 2.5 | 2.5 | 450 | 4.6 | 17 | 5 | 32 | 2.0 | 1.14 | 6 | 0.5 | 2.5 | 1.0 | 1.08 | 10.0 | 54 |
| 69-99T-334 | 353630.41 | 6074080.73 | 1 | 2.5 | 3.7 | 390 | 5.7 | 14 | 8 | 42 | 2.0 | 1.68 | 6 | 0.5 | 2.5 | 0.5 | 1.05 | 10.0 | 61 |
| 69-99T-335 | 354026.13 | 6072263.97 | 1 | 2.5 | 2.8 | 480 | 6.1 | 18 | 8 | 37 | 2.0 | 1.74 | 4 | 0.5 | 2.5 | 0.5 | 0.99 | 10.0 | 70 |
| 69-99T-338 | 358097.38 | 6073183.12 | 1 | 2.5 | 4.3 | 410 | 5.2 | 16 | 6 | 36 | 1.0 | 1.26 | 7 | 0.5 | 2.5 | 0.5 | 1.15 | 10.0 | 49 |
| 69-99T-341 | 363366.15 | 6079087.77 | 1 | 2.5 | 2.6 | 420 | 4.8 | 16 | 5 | 37 | 1.0 | 1.23 | 7 | 0.5 | 2.5 | 0.5 | 1.16 | 10.0 | 51 |
| 69-99T-343 | 365228.31 | 6078367.51 | 1 | 2.5 | 5.2 | 370 | 5.1 | 15 | 5 | 31 | 1.0 | 1.15 | 8 | 0.5 | 2.5 | 0.5 | 1.15 | 10.0 | 41 |
| 69-99T-344 | 364266.45 | 6076224.84 | 1 | 2.5 | 5.6 | 380 | 4.5 | 14 | 8 | 52 | 3.0 | 1.57 | 7 | 0.5 | 2.5 | 0.5 | 1.31 | 10.0 | 40 |
| 69-99T-345 | 362453.17 | 6075416.23 | 1 | 2.5 | 13.2 | 420 | 4.4 | 15 | 5 | 38 | 2.0 | 1.23 | 7 | 0.5 | 2.5 | 0.5 | 1.13 | 10.0 | 38 |
| 69-99T-346 | 363508.62 | 6077282.57 | 5 | 2.5 | 4.4 | 360 | 4.4 | 16 | 4 | 35 | 2.0 | 1.09 | 7 | 0.5 | 2.5 | 0.5 | 1.16 | 10.0 | 35 |
| 69-99T-347 | 390123.06 | 6073013.81 | 1 | 2.5 | 1.7 | 410 | 4.3 | 16 | 6 | 37 | 0.5 | 1.30 | 7 | 0.5 | 2.5 | 0.5 | 1.15 | 10.0 | 31 |
| 69-99T-349 | 394290.85 | 6073197.89 | 1 | 2.5 | 1.5 | 390 | 4.3 | 17 | 6 | 41 | 2.0 | 1.48 | 8 | 0.5 | 2.5 | 3.0 | 1.14 | 10.0 | 56 |
| 69-99T-350 | 381237.22 | 6069551.39 | 1 | 2.5 | 2.4 | 390 | 4.9 | 15 | 4 | 35 | 0.5 | 1.20 | 7 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 33 |
| 69-99T-351 | 377332.39 | 6064774.37 | 1 | 2.5 | 2.7 | 360 | 6.5 | 18 | 6 | 33 | 2.0 | 1.41 | 4 | 0.5 | 2.5 | 0.5 | 0.83 | 10.0 | 49 |

| Sample Site | Sb ppm | Sc ppm | Se ppm | Sn % | Sr % | Ta ppm | Th ppm | U ppm | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-99T-2 | 0.30 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.2 | 0.5 | 25 | 20.1 | 40 | 16 | 3.2 | 0.7 | 0.25 | 1.5 | 0.23 | 82.0 |
| 69-99T-3 | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.6 | 0.5 | 25 | 23.3 | 46 | 14 | 3.6 | 0.8 | 0.25 | 1.7 | 0.25 | 89.9 |
| 69-99T-4 | 0.05 | 5.9 | 1.5 | 0.005 | 0.025 | 0.25 | 11.5 | 2.2 | 0.5 | 25 | 31.4 | 57 | 19 | 3.9 | 0.7 | 0.25 | 1.3 | 0.19 | 113.7 |
| 69-99T-5 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.0 | 1.8 | 0.5 | 25 | 22.0 | 41 | 17 | 3.3 | 0.7 | 0.25 | 1.5 | 0.23 | 86.0 |
| 69-99T-7 | 0.30 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.5 | 0.5 | 25 | 21.8 | 45 | 18 | 3.4 | 0.7 | 0.25 | 1.5 | 0.23 | 90.9 |
| 69-99T-8 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.9 | 0.5 | 25 | 23.0 | 46 | 20 | 3.5 | 0.7 | 0.25 | 1.5 | 0.24 | 95.2 |
| 69-99T-9 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.90 | 7.1 | 0.7 | 0.5 | 25 | 23.2 | 45 | 18 | 3.6 | 0.7 | 0.25 | 1.5 | 0.23 | 92.5 |
| 69-99T-10 | 0.05 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.5 | 0.5 | 25 | 20.2 | 40 | 16 | 3.1 | 0.7 | 0.25 | 1.5 | 0.23 | 82.0 |
| 69-99T-11 | 0.05 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.6 | 1.8 | 0.5 | 25 | 24.2 | 50 | 17 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 98.0 |
| 69-99T-12 | 0.30 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.7 | 0.5 | 25 | 21.6 | 43 | 16 | 3.4 | 0.7 | 0.50 | 1.5 | 0.23 | 86.9 |
| 69-99T-13 | 0.05 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 7.1 | 1.7 | 0.5 | 56 | 23.7 | 46 | 16 | 3.5 | 0.7 | 0.25 | 1.5 | 0.23 | 91.9 |
| 69-99T-14 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.7 | 0.5 | 25 | 20.5 | 40 | 13 | 3.2 | 0.7 | 0.60 | 1.4 | 0.21 | 79.6 |
| 69-99T-15 | 0.05 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 9.7 | 1.6 | 0.5 | 25 | 29.1 | 54 | 23 | 4.3 | 0.8 | 0.25 | 2.0 | 0.30 | 113.8 |
| 69-99T-16 | 0.50 | 7.0 | 1.5 | 0.005 | 0.025 | 0.25 | 9.1 | 2.6 | 0.5 | 25 | 29.9 | 61 | 21 | 4.5 | 1.0 | 0.25 | 2.2 | 0.33 | 120.2 |
| 69-99T-17 | 0.30 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 5.7 | 1.6 | 0.5 | 25 | 20.6 | 40 | 16 | 3.2 | 0.7 | 0.25 | 1.7 | 0.25 | 82.7 |
| 69-99T-18 | 0.40 | 6.2 | 1.5 | 0.005 | 0.025 | 0.25 | 8.4 | 2.0 | 0.5 | 58 | 25.9 | 51 | 24 | 3.9 | 0.8 | 0.25 | 1.8 | 0.26 | 107.9 |
| 69-99T-19 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.9 | 0.5 | 25 | 23.3 | 46 | 16 | 3.5 | 0.7 | 0.25 | 1.8 | 0.26 | 91.8 |
| 69-99T-21-1 Analytical Duplicate | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.3 | 0.5 | 25 | 22.5 | 45 | 20 | 3.4 | 0.7 | 0.25 | 1.6 | 0.24 | 93.7 |
| 69-99T-21-2 Analytical Duplicate | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.6 | 0.5 | 25 | 23.1 | 43 | 15 | 3.4 | 0.7 | 0.25 | 1.5 | 0.24 | 87.2 |
| 69-99T-25 | 0.30 | 4.8 | 1.5 | 0.005 | 0.060 | 1.50 | 6.1 | 1.5 | 0.5 | 25 | 21.2 | 41 | 14 | 3.2 | 0.7 | 0.25 | 1.6 | 0.24 | 82.2 |
| 69-99T-26 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.8 | 0.5 | 25 | 22.3 | 44 | 19 | 3.4 | 0.8 | 0.25 | 1.6 | 0.24 | 91.6 |
| 69-99T-27 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.6 | 0.5 | 25 | 23.0 | 44 | 18 | 3.5 | 0.8 | 0.25 | 1.6 | 0.24 | 91.4 |
| 69-99T-28 | 0.05 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 5.5 | 1.0 | 0.5 | 25 | 18.3 | 36 | 14 | 3.0 | 0.6 | 0.25 | 1.3 | 0.20 | 73.7 |
| 69-99T-29 | 0.20 | 5.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.4 | 0.5 | 25 | 24.6 | 44 | 16 | 3.7 | 0.7 | 0.25 | 1.8 | 0.26 | 91.3 |
| 69-99T-30 | 0.05 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 0.8 | 0.5 | 25 | 21.6 | 42 | 15 | 3.5 | 0.7 | 0.25 | 1.5 | 0.22 | 84.8 |
| 69-99T-31 | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 1.20 | 5.2 | 1.4 | 0.5 | 25 | 18.9 | 40 | 16 | 3.0 | 0.6 | 0.25 | 1.3 | 0.20 | 80.3 |
| 69-99T-32 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 1.2 | 0.5 | 25 | 22.9 | 46 | 19 | 3.6 | 0.8 | 0.25 | 1.7 | 0.25 | 94.5 |
| 69-99T-33 | 0.30 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.7 | 0.5 | 25 | 23.4 | 44 | 21 | 3.5 | 0.7 | 0.25 | 1.6 | 0.24 | 94.7 |
| 69-99T-34 | 0.40 | 4.3 | 1.5 | 0.005 | 0.025 | 1.20 | 5.9 | 1.2 | 0.5 | 25 | 21.2 | 42 | 13 | 3.3 | 0.7 | 0.25 | 1.4 | 0.21 | 82.1 |
| 69-99T-35 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 5.7 | 1.6 | 0.5 | 25 | 20.1 | 40 | 17 | 3.1 | 0.7 | 0.25 | 1.5 | 0.23 | 82.9 |
| 69-99T-36 | 0.30 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 5.6 | 1.7 | 0.5 | 25 | 21.2 | 38 | 17 | 3.2 | 0.8 | 0.25 | 1.4 | 0.21 | 82.1 |
| 69-99T-39 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.9 | 0.5 | 25 | 21.7 | 40 | 18 | 3.2 | 0.7 | 0.25 | 1.4 | 0.21 | 85.5 |
| 69-99T-40 | 0.05 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 5.3 | 1.3 | 0.5 | 25 | 21.5 | 40 | 19 | 3.2 | 0.8 | 0.25 | 1.3 | 0.22 | 86.3 |
| 69-99T-41-1 Analytical Duplicate | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 5.9 | 1.3 | 0.5 | 25 | 21.7 | 41 | 19 | 3.2 | 0.8 | 0.25 | 1.4 | 0.21 | 87.6 |
| 69-99T-41-2 Analytical Duplicate | 0.05 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 5.7 | 1.4 | 0.5 | 25 | 22.1 | 42 | 19 | 3.3 | 0.7 | 0.25 | 1.3 | 0.20 | 88.9 |
| 69-99T-42 | 0.05 | 6.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.5 | 2.1 | 0.5 | 56 | 27.6 | 49 | 17 | 3.7 | 1.0 | 0.25 | 1.3 | 0.20 | 100.1 |
| 69-99T-43 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 1.40 | 5.9 | 1.5 | 0.5 | 25 | 21.1 | 38 | 18 | 3.1 | 0.6 | 0.25 | 1.5 | 0.22 | 82.8 |
| 69-99T-44 | 0.30 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 5.6 | 1.3 | 0.5 | 25 | 21.4 | 41 | 17 | 3.2 | 0.8 | 0.25 | 1.4 | 0.21 | 85.3 |
| 69-99T-45 | 0.05 | 3.7 | 1.5 | 0.005 | 0.025 | 0.25 | 4.4 | 1.0 | 0.5 | 25 | 16.1 | 32 | 14 | 2.5 | 0.5 | 0.25 | 0.9 | 0.14 | 66.4 |
| 69-99T-46 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 5.4 | 0.9 | 0.5 | 25 | 20.3 | 39 | 20 | 3.0 | 0.5 | 0.25 | 1.2 | 0.18 | 84.4 |
| 69-99T-47 | 0.20 | 4.2 | 1.5 | 0.005 | 0.025 | 1.20 | 6.0 | 1.1 | 0.5 | 25 | 21.3 | 41 | 14 | 3.2 | 0.7 | 0.25 | 1.5 | 0.23 | 82.2 |
| 69-99T-49 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.0 | 0.5 | 25 | 22.5 | 40 | 21 | 3.2 | 0.8 | 0.25 | 1.3 | 0.21 | 89.3 |
| 69-99T-50 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.0 | 0.5 | 25 | 22.8 | 43 | 21 | 3.4 | 0.8 | 0.25 | 1.4 | 0.20 | 92.9 |
| 69-99T-51 | 0.30 | 6.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 2.2 | 0.5 | 25 | 21.8 | 41 | 24 | 3.1 | 1.0 | 0.25 | 1.4 | 0.23 | 92.8 |
| 69-99T-52 | 0.20 | 4.4 | 1.5 | 0.005 | 0.025 | 1.30 | 6.7 | 1.4 | 0.5 | 25 | 22.9 | 40 | 21 | 3.4 | 0.8 | 0.60 | 1.6 | 0.24 | 90.5 |

| Sample Site | Sb | Sc | Se | Sn | Sr | Ta | Th | U | W | Zn | La | Ce | Nd | Sm | Eu | Tb | Yb | Lu | TREE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 69-99T-53 | 0.20 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.2 | 0.5 | 25 | 25.8 | 48 | 26 | 3.8 | 0.9 | 0.25 | 1.6 | 0.23 | 106.6 |
| 69-99T-54 | 0.05 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 5.3 | 1.8 | 0.5 | 25 | 21.5 | 38 | 18 | 3.2 | 0.6 | 0.25 | 1.2 | 0.18 | 82.9 |
| 69-99T-55 | 0.30 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.3 | 0.5 | 25 | 21.6 | 41 | 23 | 3.2 | 0.7 | 0.25 | 1.3 | 0.20 | 91.3 |
| 69-99T-56 | 0.05 | 6.5 | 1.5 | 0.005 | 0.025 | 0.25 | 10.4 | 1.0 | 0.5 | 25 | 32.0 | 60 | 29 | 4.3 | 0.9 | 0.25 | 1.5 | 0.27 | 128.2 |
| 69-99T-57 | 0.05 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.7 | 1.6 | 0.5 | 25 | 27.0 | 46 | 22 | 3.8 | 0.8 | 0.25 | 1.3 | 0.22 | 101.4 |
| 69-99T-59 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 1.20 | 4.9 | 1.6 | 0.5 | 25 | 21.0 | 38 | 20 | 3.1 | 0.8 | 0.25 | 1.5 | 0.23 | 84.9 |
| 69-99T-63 | 0.30 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.2 | 0.5 | 25 | 23.9 | 44 | 21 | 3.4 | 0.8 | 0.25 | 1.5 | 0.23 | 95.1 |
| 69-99T-64 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 7.7 | 1.0 | 0.5 | 25 | 28.6 | 55 | 20 | 4.0 | 0.9 | 0.70 | 1.7 | 0.25 | 111.2 |
| 69-99T-65 | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 5.7 | 1.9 | 0.5 | 25 | 20.4 | 36 | 17 | 3.0 | 0.7 | 0.25 | 1.4 | 0.21 | 79.0 |
| 69-99T-66 | 0.20 | 8.7 | 1.5 | 0.005 | 0.025 | 0.25 | 11.6 | 1.3 | 0.5 | 25 | 37.5 | 72 | 30 | 4.9 | 1.1 | 0.25 | 1.9 | 0.26 | 147.9 |
| 69-99T-67 | 0.05 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.4 | 0.5 | 25 | 22.4 | 43 | 19 | 3.3 | 0.8 | 0.25 | 1.2 | 0.18 | 90.1 |
| 69-99T-68 | 0.10 | 4.4 | 1.5 | 0.005 | 0.025 | 1.30 | 6.4 | 1.6 | 0.5 | 25 | 23.4 | 43 | 22 | 3.3 | 0.8 | 0.25 | 1.4 | 0.20 | 94.4 |
| 69-99T-69 | 0.05 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.4 | 0.5 | 25 | 22.9 | 45 | 19 | 3.3 | 0.8 | 0.25 | 1.2 | 0.17 | 92.6 |
| 69-99T-70 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 4.8 | 1.6 | 0.5 | 25 | 20.1 | 39 | 19 | 3.0 | 0.8 | 0.25 | 1.4 | 0.21 | 83.8 |
| 69-99T-71 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 1.00 | 5.8 | 1.9 | 0.5 | 25 | 23.3 | 43 | 22 | 3.3 | 0.8 | 0.25 | 1.5 | 0.22 | 94.4 |
| 69-99T-73-1 Analytical Duplicate | 0.30 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.7 | 0.5 | 25 | 23.8 | 48 | 20 | 3.8 | 0.9 | 0.25 | 1.8 | 0.26 | 98.8 |
| 69-99T-73-2 Analytical Duplicate | 0.30 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.5 | 0.5 | 25 | 22.0 | 48 | 21 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 97.8 |
| 69-99T-74 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.0 | 0.5 | 25 | 23.4 | 51 | 19 | 3.9 | 0.9 | 0.25 | 1.8 | 0.27 | 100.5 |
| 69-99T-75 | 0.20 | 4.2 | 1.5 | 0.005 | 0.025 | 1.00 | 6.7 | 2.0 | 0.5 | 25 | 20.9 | 44 | 16 | 3.6 | 0.8 | 0.25 | 1.7 | 0.25 | 87.5 |
| 69-99T-76 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 9.0 | 2.2 | 0.5 | 25 | 28.5 | 59 | 23 | 4.5 | 1.0 | 0.50 | 2.1 | 0.31 | 118.9 |
| 69-99T-77 | 0.20 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.6 | 0.5 | 25 | 21.3 | 46 | 19 | 3.5 | 0.8 | 0.25 | 1.9 | 0.28 | 93.0 |
| 69-99T-78 | 0.30 | 4.2 | 1.5 | 0.005 | 0.025 | 1.50 | 6.7 | 1.3 | 0.5 | 25 | 20.9 | 45 | 19 | 3.5 | 0.8 | 0.25 | 1.7 | 0.26 | 91.4 |
| 69-99T-79 | 0.20 | 4.0 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.6 | 0.5 | 25 | 19.8 | 43 | 16 | 3.3 | 0.7 | 0.25 | 1.7 | 0.26 | 85.0 |
| 69-99T-80 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 2.0 | 0.5 | 59 | 22.6 | 47 | 19 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 95.4 |
| 69-99T-81 | 0.05 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.2 | 0.5 | 25 | 21.0 | 44 | 19 | 3.5 | 0.9 | 0.25 | 1.7 | 0.25 | 90.6 |
| 69-99T-82-1 Analytical Duplicate | 0.05 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 1.4 | 0.5 | 25 | 22.1 | 46 | 18 | 3.5 | 0.8 | 0.25 | 1.8 | 0.26 | 92.7 |
| 69-99T-82-2 Analytical Duplicate | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.5 | 0.5 | 25 | 21.8 | 46 | 19 | 3.4 | 0.8 | 0.25 | 1.8 | 0.26 | 93.3 |
| 69-99T-83 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.4 | 1.9 | 0.5 | 25 | 23.3 | 48 | 24 | 3.9 | 0.9 | 0.25 | 1.9 | 0.29 | 102.5 |
| 69-99T-84 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.1 | 1.8 | 0.5 | 25 | 23.2 | 52 | 21 | 3.9 | 0.9 | 0.25 | 1.9 | 0.27 | 103.4 |
| 69-99T-85 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 1.3 | 0.5 | 25 | 22.6 | 50 | 17 | 3.8 | 0.9 | 0.25 | 1.8 | 0.28 | 96.6 |
| 69-99T-86 | 0.20 | 4.4 | 1.5 | 0.005 | 0.025 | 1.00 | 7.0 | 2.4 | 0.5 | 25 | 23.0 | 45 | 18 | 3.5 | 0.9 | 0.25 | 1.7 | 0.25 | 92.6 |
| 69-99T-89 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.5 | 1.8 | 0.5 | 25 | 24.4 | 49 | 20 | 3.7 | 0.9 | 0.25 | 1.6 | 0.25 | 100.1 |
| 69-99T-90 | 0.20 | 3.9 | 1.5 | 0.005 | 0.025 | 1.20 | 5.5 | 1.8 | 0.5 | 25 | 19.1 | 42 | 15 | 3.3 | 0.8 | 0.50 | 1.6 | 0.24 | 82.5 |
| 69-99T-91 | 0.20 | 4.0 | 1.5 | 0.005 | 0.025 | 1.10 | 6.0 | 1.7 | 0.5 | 25 | 21.1 | 44 | 17 | 3.4 | 0.8 | 0.25 | 1.9 | 0.28 | 88.7 |
| 69-99T-93 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 2.0 | 0.5 | 25 | 22.2 | 45 | 19 | 3.5 | 0.8 | 0.25 | 1.7 | 0.25 | 92.7 |
| 69-99T-94 | 0.20 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 7.6 | 1.2 | 0.5 | 25 | 22.5 | 48 | 21 | 3.8 | 0.9 | 0.25 | 1.7 | 0.25 | 98.4 |
| 69-99T-95 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.7 | 1.5 | 0.5 | 25 | 21.8 | 48 | 18 | 3.6 | 0.9 | 0.25 | 1.7 | 0.25 | 94.5 |
| 69-99T-97 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.5 | 1.9 | 0.5 | 25 | 23.4 | 51 | 19 | 3.8 | 0.8 | 0.25 | 1.7 | 0.26 | 100.2 |
| 69-99T-98 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.6 | 0.5 | 25 | 23.4 | 51 | 18 | 3.8 | 0.8 | 0.25 | 1.8 | 0.27 | 99.3 |
| 69-99T-102 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 8.5 | 2.3 | 0.5 | 25 | 25.7 | 56 | 21 | 4.1 | 0.9 | 0.50 | 2.0 | 0.30 | 110.5 |
| 69-99T-104 | 0.30 | 5.3 | 1.5 | 0.005 | 0.025 | 0.25 | 8.8 | 1.6 | 0.5 | 25 | 28.1 | 61 | 22 | 4.6 | 1.0 | 0.25 | 2.1 | 0.31 | 119.4 |
| 69-99T-105 | 0.20 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.5 | 0.5 | 25 | 22.6 | 50 | 19 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 98.4 |
| 69-99T-106 | 0.30 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 7.8 | 1.7 | 0.5 | 25 | 25.2 | 54 | 18 | 4.1 | 0.9 | 0.25 | 2.1 | 0.31 | 104.9 |
| 69-99T-107 | 0.05 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.0 | 2.1 | 0.5 | 25 | 21.1 | 45 | 18 | 3.5 | 0.8 | 0.25 | 2.0 | 0.31 | 91.0 |
| 69-99T-108 | 0.20 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.9 | 0.5 | 25 | 22.0 | 47 | 19 | 3.5 | 0.9 | 0.25 | 1.8 | 0.26 | 94.7 |
| 69-99T-109 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.7 | 0.5 | 25 | 21.3 | 48 | 18 | 3.5 | 0.8 | 0.60 | 1.8 | 0.25 | 94.3 |
| 69-99T-111 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 1.10 | 5.9 | 1.8 | 0.5 | 25 | 20.5 | 43 | 17 | 3.2 | 0.8 | 0.25 | 1.6 | 0.24 | 86.6 |
| 69-99T-113 | 0.10 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 5.3 | 1.6 | 0.5 | 25 | 20.5 | 43 | 13 | 3.2 | 0.8 | 0.25 | 1.6 | 0.26 | 82.6 |
| 69-99T-114 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 5.9 | 1.5 | 0.5 | 25 | 20.2 | 43 | 16 | 3.2 | 0.8 | 0.25 | 1.7 | 0.25 | 85.4 |
| 69-99T-115 | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.7 | 1.7 | 0.5 | 25 | 21.7 | 44 | 12 | 3.3 | 0.8 | 0.25 | 1.8 | 0.25 | 84.1 |
| 69-99T-118 | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.0 | 1.8 | 0.5 | 25 | 21.0 | 43 | 13 | 3.2 | 0.8 | 0.25 | 1.7 | 0.25 | 83.2 |
| 69-99T-121 | 0.20 | 5.8 | 1.5 | 0.005 | 0.025 | 0.25 | 8.2 | 1.0 | 0.5 | 25 | 24.3 | 53 | 15 | 3.7 | 0.9 | 0.25 | 1.7 | 0.24 | 99.1 |

| Sample Site | Sb | Sc | Se | Sn | Sr | Ta | Th | U | W | Zn | La | Ce | Nd | Sm | Eu | Tb | Yb | Lu | TREE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 69-99T-123 | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 1.10 | 7.0 | 1.6 | 0.5 | 25 | 21.1 | 50 | 17 | 3.2 | 0.8 | 0.25 | 1.8 | 0.26 | 94.4 |
| 69-99T-124-1 Analytical Duplicate | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.4 | 0.5 | 25 | 21.8 | 48 | 17 | 3.4 | 0.8 | 0.25 | 1.6 | 0.24 | 93.1 |
| 69-99T-124-2 Analytical Duplicate | 0.10 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.4 | 0.5 | 25 | 21.9 | 48 | 16 | 3.5 | 0.8 | 0.25 | 1.6 | 0.24 | 92.3 |
| 69-99T-125 | 0.30 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.6 | 0.5 | 25 | 22.2 | 45 | 17 | 3.4 | 0.9 | 0.25 | 1.7 | 0.25 | 90.7 |
| 69-99T-126 | 0.20 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 5.6 | 1.5 | 0.5 | 25 | 20.5 | 43 | 17 | 3.2 | 0.8 | 0.25 | 1.7 | 0.25 | 86.7 |
| 69-99T-127 | 0.30 | 3.9 | 1.5 | 0.005 | 0.025 | 0.25 | 5.5 | 1.4 | 0.5 | 25 | 18.7 | 40 | 16 | 2.9 | 0.8 | 0.25 | 1.7 | 0.25 | 80.6 |
| 69-99T-131 | 0.30 | 5.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.5 | 1.5 | 0.5 | 56 | 24.7 | 51 | 19 | 3.7 | 0.9 | 0.25 | 1.8 | 0.26 | 101.6 |
| 69-99T-134 | 0.40 | 5.3 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.5 | 0.5 | 25 | 23.9 | 48 | 20 | 4.1 | 0.9 | 0.60 | 1.9 | 0.28 | 99.7 |
| 69-99T-135 | 0.40 | 5.9 | 1.5 | 0.005 | 0.025 | 0.70 | 8.2 | 1.3 | 0.5 | 56 | 24.2 | 52 | 22 | 3.7 | 0.9 | 0.25 | 1.8 | 0.27 | 105.1 |
| 69-99T-136 | 0.05 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.3 | 0.5 | 25 | 21.0 | 45 | 19 | 3.4 | 0.8 | 0.25 | 1.7 | 0.26 | 91.4 |
| 69-99T-139 | 0.20 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.7 | 0.5 | 55 | 21.5 | 41 | 18 | 3.2 | 0.8 | 0.50 | 1.4 | 0.20 | 86.6 |
| 69-99T-140 | 0.30 | 5.0 | 1.5 | 0.005 | 0.025 | 1.40 | 6.6 | 1.4 | 0.5 | 25 | 23.5 | 46 | 20 | 3.8 | 0.9 | 0.25 | 1.6 | 0.24 | 96.3 |
| 69-99T-142 | 0.40 | 4.9 | 1.5 | 0.005 | 0.025 | 1.40 | 7.2 | 2.0 | 0.5 | 25 | 25.2 | 50 | 20 | 4.0 | 0.9 | 0.60 | 1.9 | 0.28 | 102.9 |
| 69-99T-145-1 Analytical Duplicate | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.60 | 5.7 | 1.0 | 0.5 | 25 | 18.6 | 42 | 16 | 3.5 | 0.8 | 0.25 | 1.7 | 0.25 | 83.1 |
| 69-99T-145-2 Analytical Duplicate | 0.05 | 4.1 | 1.5 | 0.005 | 0.025 | 0.90 | 5.2 | 1.1 | 0.5 | 25 | 18.5 | 41 | 15 | 3.3 | 0.8 | 0.25 | 1.6 | 0.24 | 80.7 |
| 69-99T-146 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 2.7 | 0.5 | 25 | 20.2 | 47 | 20 | 3.3 | 0.9 | 0.25 | 1.9 | 0.28 | 93.8 |
| 69-99T-147 | 0.20 | 4.1 | 1.5 | 0.005 | 0.025 | 1.00 | 6.3 | 1.3 | 0.5 | 25 | 20.1 | 47 | 19 | 3.3 | 0.8 | 0.25 | 1.9 | 0.29 | 92.6 |
| 69-99T-148 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.90 | 7.4 | 1.2 | 0.5 | 25 | 22.3 | 48 | 19 | 3.4 | 0.8 | 0.25 | 1.6 | 0.24 | 95.6 |
| 69-99T-149 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.5 | 1.3 | 0.5 | 25 | 23.2 | 51 | 16 | 3.6 | 0.9 | 0.25 | 1.6 | 0.27 | 96.8 |
| 69-99T-150 | 0.30 | 4.6 | 1.5 | 0.005 | 0.025 | 1.50 | 7.5 | 2.2 | 0.5 | 25 | 25.6 | 55 | 20 | 4.0 | 1.0 | 0.25 | 2.2 | 0.31 | 108.4 |
| 69-99T-151 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 1.50 | 6.3 | 1.5 | 0.5 | 25 | 21.5 | 47 | 19 | 3.5 | 0.8 | 0.25 | 1.6 | 0.26 | 93.9 |
| 69-99T-152 | 0.05 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.1 | 2.0 | 0.5 | 25 | 23.6 | 50 | 19 | 3.6 | 0.9 | 0.50 | 1.7 | 0.27 | 99.6 |
| 69-99T-154 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.1 | 0.5 | 25 | 22.2 | 50 | 22 | 3.5 | 0.9 | 0.25 | 1.9 | 0.27 | 101.0 |
| 69-99T-155 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 8.5 | 1.8 | 0.5 | 25 | 28.0 | 53 | 21 | 4.2 | 0.8 | 0.50 | 2.2 | 0.33 | 110.0 |
| 69-99T-156 | 0.20 | 4.8 | 1.5 | 0.005 | 0.025 | 1.00 | 6.1 | 0.3 | 0.5 | 25 | 22.5 | 44 | 18 | 3.4 | 0.7 | 0.25 | 1.5 | 0.21 | 90.6 |
| 69-99T-157 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 8.0 | 2.2 | 0.5 | 25 | 23.1 | 46 | 17 | 3.5 | 0.7 | 0.50 | 1.8 | 0.26 | 92.9 |
| 69-99T-201 | 0.05 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.7 | 1.9 | 0.5 | 25 | 23.2 | 49 | 18 | 3.6 | 0.8 | 0.25 | 1.6 | 0.23 | 96.7 |
| 69-99T-202 | 0.05 | 4.8 | 1.5 | 0.005 | 0.025 | 1.10 | 6.5 | 1.9 | 0.5 | 25 | 23.2 | 48 | 19 | 3.6 | 0.8 | 0.50 | 1.7 | 0.25 | 97.1 |
| 69-99T-203 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 1.40 | 6.8 | 1.5 | 0.5 | 25 | 22.8 | 45 | 17 | 3.5 | 0.8 | 0.25 | 1.8 | 0.26 | 91.4 |
| 69-99T-204 | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 8.0 | 2.0 | 0.5 | 25 | 26.1 | 51 | 19 | 4.0 | 0.8 | 0.60 | 2.0 | 0.30 | 103.8 |
| 69-99T-205 | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 1.00 | 7.2 | 1.7 | 0.5 | 25 | 23.0 | 48 | 17 | 3.6 | 0.7 | 0.25 | 1.9 | 0.28 | 94.7 |
| 69-99T-206 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.6 | 0.5 | 25 | 23.2 | 47 | 20 | 3.5 | 0.8 | 0.25 | 1.6 | 0.24 | 96.6 |
| 69-99T-207 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.9 | 0.5 | 25 | 23.2 | 46 | 19 | 3.6 | 0.8 | 0.50 | 1.7 | 0.24 | 95.0 |
| 69-99T-208 | 0.30 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.7 | 0.5 | 25 | 19.3 | 39 | 17 | 3.1 | 0.7 | 0.25 | 1.5 | 0.23 | 81.1 |
| 69-99T-209 | 0.30 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.6 | 0.5 | 25 | 19.0 | 40 | 14 | 3.2 | 0.7 | 0.25 | 1.6 | 0.24 | 79.0 |
| 69-99T-210 | 0.05 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.6 | 0.5 | 25 | 22.0 | 43 | 15 | 3.4 | 0.7 | 0.25 | 1.7 | 0.25 | 86.3 |
| 69-99T-211 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.7 | 1.5 | 0.5 | 25 | 22.4 | 41 | 17 | 3.3 | 0.7 | 0.25 | 1.6 | 0.24 | 86.5 |
| 69-99T-212 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.1 | 1.4 | 0.5 | 25 | 22.1 | 40 | 15 | 3.2 | 0.8 | 0.25 | 1.5 | 0.24 | 83.1 |
| 69-99T-213 | 0.20 | 5.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 1.8 | 0.5 | 25 | 26.0 | 48 | 21 | 3.7 | 0.7 | 0.70 | 1.7 | 0.25 | 102.1 |
| 69-99T-214 | 0.30 | 5.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.1 | 1.4 | 0.5 | 25 | 22.7 | 43 | 19 | 3.5 | 0.8 | 0.25 | 1.7 | 0.25 | 91.2 |
| 69-99T-215 | 0.20 | 4.8 | 1.5 | 0.005 | 0.025 | 1.10 | 5.9 | 0.3 | 0.5 | 25 | 20.4 | 39 | 15 | 3.2 | 0.7 | 0.25 | 1.6 | 0.24 | 80.4 |
| 69-99T-218 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.3 | 0.5 | 25 | 22.4 | 43 | 16 | 3.3 | 0.7 | 0.25 | 1.6 | 0.24 | 87.5 |
| 69-99T-219-1 Analytical Duplicate | 0.20 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 5.3 | 1.1 | 0.5 | 25 | 21.3 | 40 | 16 | 3.1 | 0.8 | 0.25 | 1.6 | 0.24 | 83.3 |
| 69-99T-219-2 Analytical Duplicate | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.2 | 0.5 | 25 | 22.7 | 42 | 15 | 3.2 | 0.8 | 0.25 | 1.5 | 0.23 | 85.7 |
| 69-99T-220 | 0.40 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.7 | 1.5 | 0.5 | 25 | 23.8 | 46 | 13 | 3.4 | 0.7 | 0.25 | 1.5 | 0.22 | 88.9 |
| 69-99T-221 | 0.05 | 5.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.6 | 0.5 | 51 | 25.0 | 46 | 17 | 3.6 | 0.8 | 0.25 | 1.8 | 0.26 | 94.7 |
| 69-99T-223 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 0.3 | 0.5 | 25 | 21.2 | 46 | 19 | 3.2 | 0.6 | 0.25 | 1.5 | 0.23 | 92.0 |
| 69-99T-224 | 0.10 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 9.5 | 1.6 | 0.5 | 25 | 25.3 | 48 | 12 | 3.0 | 0.6 | 0.25 | 1.0 | 0.14 | 90.3 |
| 69-99T-225 | 0.05 | 3.6 | 1.5 | 0.005 | 0.025 | 0.25 | 4.2 | 0.7 | 0.5 | 25 | 16.3 | 30 | 14 | 2.6 | 0.6 | 0.25 | 1.3 | 0.18 | 65.2 |
| 69-99T-226 | 0.40 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.1 | 2.0 | 0.5 | 25 | 23.7 | 44 | 17 | 3.5 | 0.7 | 0.25 | 1.7 | 0.25 | 91.1 |
| 69-99T-227 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.4 | 0.5 | 25 | 22.4 | 42 | 17 | 3.2 | 0.7 | 0.25 | 1.5 | 0.23 | 87.3 |
| 69-99T-228 | 0.05 | 6.6 | 1.5 | 0.005 | 0.025 | 0.25 | 11.6 | 1.0 | 0.5 | 25 | 30.8 | 64 | 20 | 4.3 | 0.8 | 0.25 | 1.7 | 0.25 | 122.1 |

| Sample Site | Sb ppm | Sc ppm | Se ppm | Sn % | Sr % | Ta ppm | Th ppm | U ppm | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-99T-229 | 0.30 | 5.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.5 | 0.5 | 25 | 26.8 | 48 | 19 | 4.0 | 0.9 | 0.25 | 1.6 | 0.25 | 100.8 |
| 69-99T-230-1 Analytical Duplicate | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.3 | 0.5 | 25 | 22.1 | 49 | 17 | 3.7 | 0.8 | 0.25 | 1.5 | 0.23 | 94.6 |
| 69-99T-230-2 Analytical Duplicate | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.1 | 0.5 | 25 | 22.3 | 48 | 19 | 3.7 | 0.8 | 0.25 | 1.6 | 0.23 | 95.9 |
| 69-99T-233 | 0.40 | 6.3 | 1.5 | 0.005 | 0.025 | 0.25 | 10.6 | 1.1 | 0.5 | 25 | 30.1 | 64 | 25 | 4.9 | 1.0 | 0.25 | 1.7 | 0.25 | 127.2 |
| 69-99T-234 | 0.20 | 5.5 | 1.5 | 0.005 | 0.025 | 1.30 | 8.0 | 1.4 | 0.5 | 25 | 25.6 | 54 | 20 | 4.1 | 0.8 | 0.25 | 1.5 | 0.23 | 106.5 |
| 69-99T-235 | 0.20 | 7.9 | 1.5 | 0.005 | 0.025 | 0.25 | 8.9 | 1.8 | 0.5 | 25 | 26.2 | 58 | 20 | 4.4 | 0.9 | 0.25 | 1.5 | 0.23 | 111.5 |
| 69-99T-236 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.90 | 6.3 | 1.9 | 0.5 | 25 | 20.5 | 44 | 16 | 3.5 | 0.7 | 0.25 | 1.5 | 0.23 | 86.7 |
| 69-99T-237 | 0.10 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.2 | 0.5 | 25 | 21.3 | 46 | 17 | 3.8 | 0.7 | 0.25 | 1.6 | 0.24 | 90.9 |
| 69-99T-238 | 0.30 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.8 | 0.5 | 25 | 22.8 | 49 | 18 | 3.9 | 0.9 | 0.25 | 1.8 | 0.26 | 96.9 |
| 69-99T-239 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.70 | 5.8 | 1.2 | 0.5 | 25 | 23.4 | 49 | 18 | 3.9 | 0.8 | 0.25 | 1.8 | 0.26 | 97.4 |
| 69-99T-240 | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.0 | 0.5 | 25 | 23.6 | 48 | 17 | 4.0 | 0.9 | 0.25 | 1.5 | 0.24 | 95.5 |
| 69-99T-241 | 0.30 | 5.3 | 1.5 | 0.005 | 0.025 | 0.25 | 7.7 | 0.9 | 0.5 | 55 | 25.0 | 51 | 20 | 4.2 | 0.9 | 0.25 | 1.7 | 0.25 | 103.3 |
| 69-99T-242 | 0.10 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.7 | 0.5 | 25 | 21.8 | 49 | 17 | 3.8 | 0.8 | 0.25 | 1.6 | 0.24 | 94.5 |
| 69-99T-243 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 1.00 | 6.4 | 1.5 | 0.5 | 25 | 21.6 | 47 | 18 | 3.8 | 0.8 | 0.25 | 1.6 | 0.24 | 93.3 |
| 69-99T-245 | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 5.4 | 1.1 | 0.5 | 25 | 19.4 | 43 | 16 | 3.6 | 0.8 | 0.25 | 1.8 | 0.26 | 85.1 |
| 69-99T-246 | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.3 | 0.5 | 25 | 22.0 | 48 | 19 | 3.9 | 0.9 | 0.25 | 1.6 | 0.24 | 95.9 |
| 69-99T-248-1 Analytical Duplicate | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 2.2 | 0.5 | 25 | 24.5 | 48 | 16 | 3.9 | 0.8 | 0.25 | 1.6 | 0.24 | 95.3 |
| 69-99T-248-2 Analytical Duplicate | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.9 | 0.5 | 51 | 24.7 | 50 | 18 | 3.7 | 0.8 | 0.25 | 1.6 | 0.24 | 99.3 |
| 69-99T-249 | 0.05 | 5.5 | 1.5 | 0.005 | 0.025 | 0.25 | 11.2 | 2.2 | 0.5 | 25 | 30.9 | 59 | 26 | 4.2 | 0.1 | 0.25 | 1.4 | 0.22 | 122.1 |
| 69-99T-250 | 0.60 | 10.5 | 1.5 | 0.005 | 0.025 | 1.20 | 17.5 | 3.6 | 0.5 | 89 | 53.7 | 116 | 41 | 7.4 | 1.3 | 0.25 | 2.6 | 0.39 | 222.6 |
| 69-99T-251 | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 1.00 | 6.3 | 1.5 | 0.5 | 25 | 24.0 | 48 | 24 | 4.0 | 0.9 | 0.25 | 1.7 | 0.25 | 103.1 |
| 69-99T-252 | 0.05 | 8.1 | 1.5 | 0.005 | 0.025 | 0.25 | 10.4 | 3.3 | 0.5 | 64 | 34.2 | 67 | 32 | 5.2 | 1.1 | 0.25 | 2.0 | 0.30 | 142.1 |
| 69-99T-253 | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.4 | 0.5 | 25 | 24.5 | 49 | 23 | 3.9 | 0.9 | 0.25 | 1.7 | 0.24 | 103.5 |
| 69-99T-260 | 0.30 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 1.4 | 0.5 | 54 | 22.7 | 48 | 21 | 3.6 | 0.8 | 0.25 | 1.4 | 0.21 | 98.0 |
| 69-99T-261 | 0.50 | 5.9 | 1.5 | 0.005 | 0.025 | 0.25 | 9.1 | 1.8 | 0.5 | 25 | 30.9 | 64 | 28 | 5.0 | 1.0 | 0.25 | 2.0 | 0.30 | 131.5 |
| 69-99T-262 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 1.7 | 0.5 | 25 | 23.3 | 48 | 17 | 3.7 | 0.8 | 0.25 | 1.6 | 0.24 | 94.9 |
| 69-99T-263 | 0.20 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 5.6 | 1.4 | 0.5 | 25 | 20.8 | 43 | 16 | 3.6 | 0.8 | 0.25 | 1.7 | 0.25 | 86.4 |
| 69-99T-264 | 0.30 | 6.5 | 1.5 | 0.005 | 0.025 | 1.00 | 9.2 | 1.1 | 0.5 | 25 | 31.1 | 67 | 28 | 5.1 | 1.0 | 0.25 | 2.0 | 0.30 | 134.8 |
| 69-99T-265 | 0.40 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 4.9 | 1.3 | 0.5 | 25 | 20.1 | 41 | 19 | 3.5 | 0.8 | 0.25 | 1.5 | 0.21 | 86.4 |
| 69-99T-266 | 0.40 | 4.1 | 1.5 | 0.005 | 0.025 | 0.25 | 4.9 | 2.0 | 0.5 | 25 | 20.5 | 38 | 16 | 3.4 | 0.8 | 0.25 | 1.5 | 0.23 | 80.7 |
| 69-99T-267 | 0.50 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 2.4 | 0.5 | 25 | 24.5 | 46 | 22 | 3.8 | 0.9 | 0.25 | 1.5 | 0.23 | 99.2 |
| 69-99T-268 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 7.7 | 1.2 | 0.5 | 25 | 26.9 | 57 | 25 | 4.2 | 0.9 | 0.70 | 2.2 | 0.33 | 117.2 |
| 69-99T-269 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.7 | 0.5 | 25 | 23.8 | 51 | 19 | 3.8 | 0.9 | 0.25 | 1.9 | 0.31 | 101.0 |
| 69-99T-271 | 0.10 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 0.9 | 0.5 | 25 | 23.9 | 49 | 22 | 3.9 | 0.9 | 0.25 | 1.9 | 0.28 | 102.1 |
| 69-99T-272 | 0.20 | 6.2 | 1.5 | 0.005 | 0.025 | 0.25 | 8.5 | 1.5 | 0.5 | 25 | 28.7 | 61 | 28 | 4.3 | 1.0 | 0.25 | 1.8 | 0.26 | 125.3 |
| 69-99T-273 | 0.20 | 6.1 | 1.5 | 0.005 | 0.025 | 0.25 | 8.8 | 1.0 | 0.5 | 25 | 27.7 | 57 | 22 | 4.3 | 1.0 | 0.60 | 1.9 | 0.30 | 114.8 |
| 69-99T-274 | 0.20 | 5.1 | 1.5 | 0.005 | 0.025 | 1.60 | 8.4 | 2.0 | 0.5 | 25 | 27.0 | 57 | 25 | 4.2 | 0.9 | 0.80 | 2.1 | 0.31 | 117.3 |
| 69-99T-275 | 0.10 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 0.3 | 0.5 | 25 | 26.8 | 49 | 28 | 4.2 | 0.9 | 0.25 | 2.1 | 0.31 | 111.6 |
| 69-99T-276-1 Analytical Duplicate | 0.20 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.6 | 0.5 | 25 | 24.3 | 50 | 25 | 4.0 | 0.9 | 0.25 | 1.7 | 0.27 | 106.4 |
| 69-99T-276-2 Analytical Duplicate | 0.20 | 6.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.8 | 1.7 | 0.5 | 25 | 28.6 | 55 | 28 | 4.6 | 1.0 | 0.25 | 1.9 | 0.28 | 119.6 |
| 69-99T-277 | 0.05 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.6 | 0.5 | 25 | 23.1 | 51 | 20 | 3.6 | 0.8 | 0.25 | 1.8 | 0.26 | 100.8 |
| 69-99T-278 | 0.30 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.3 | 0.5 | 25 | 23.1 | 50 | 22 | 3.6 | 0.8 | 0.25 | 1.6 | 0.24 | 101.6 |
| 69-99T-279 | 0.10 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.3 | 0.5 | 25 | 21.8 | 46 | 20 | 3.5 | 0.8 | 0.25 | 1.7 | 0.27 | 94.3 |
| 69-99T-281 | 0.30 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 7.6 | 1.1 | 0.5 | 25 | 24.6 | 50 | 22 | 3.9 | 0.9 | 0.25 | 1.9 | 0.30 | 103.9 |
| 69-99T-282 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.1 | 0.5 | 25 | 22.7 | 45 | 21 | 3.5 | 0.9 | 1.00 | 1.7 | 0.23 | 96.0 |
| 69-99T-284 | 0.30 | 4.7 | 1.5 | 0.005 | 0.050 | 0.25 | 6.1 | 1.9 | 0.5 | 25 | 23.2 | 48 | 23 | 3.6 | 0.9 | 0.50 | 1.6 | 0.27 | 101.1 |
| 69-99T-285 | 0.30 | 6.3 | 1.5 | 0.005 | 0.025 | 0.25 | 12.7 | 1.7 | 0.5 | 25 | 32.4 | 68 | 25 | 4.4 | 1.0 | 0.25 | 1.5 | 0.24 | 132.8 |
| 69-99T-286 | 0.20 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 10.7 | 2.1 | 0.5 | 25 | 29.3 | 63 | 25 | 4.4 | 1.0 | 0.60 | 2.0 | 0.30 | 125.6 |
| 69-99T-287 | 0.05 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 1.9 | 0.5 | 25 | 24.0 | 51 | 18 | 3.8 | 0.9 | 0.25 | 1.8 | 0.26 | 100.0 |
| 69-99T-288 | 0.20 | 5.3 | 1.5 | 0.005 | 0.025 | 0.25 | 8.0 | 1.7 | 0.5 | 25 | 25.4 | 55 | 22 | 3.9 | 0.8 | 0.70 | 1.8 | 0.26 | 109.9 |
| 69-99T-289 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.6 | 0.5 | 25 | 24.5 | 54 | 21 | 3.9 | 0.9 | 0.70 | 1.8 | 0.26 | 107.1 |
| 69-99T-290 | 0.20 | 5.5 | 1.5 | 0.005 | 0.025 | 0.25 | 8.3 | 1.1 | 0.5 | 25 | 27.5 | 58 | 24 | 4.2 | 0.9 | 0.60 | 1.7 | 0.25 | 117.2 |

| Sample Site | Sb ppm | Sc ppm | Se ppm | Sn % | Sr % | Ta ppm | Th ppm | U ppm | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-99T-291 | 0.20 | 5.4 | 1.5 | 0.005 | 0.025 | 2.10 | 7.7 | 2.1 | 0.5 | 25 | 26.2 | 56 | 24 | 3.9 | 1.0 | 0.25 | 1.8 | 0.26 | 113.4 |
| 69-99T-292-1 Analytical Duplicate | 0.20 | 5.2 | 1.5 | 0.005 | 0.050 | 0.25 | 7.4 | 1.1 | 0.5 | 25 | 25.2 | 55 | 21 | 4.0 | 0.9 | 0.25 | 1.8 | 0.26 | 108.4 |
| 69-99T-292-2 Analytical Duplicate | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.1 | 1.2 | 0.5 | 25 | 24.8 | 51 | 21 | 3.9 | 0.9 | 0.25 | 1.8 | 0.26 | 103.9 |
| 69-99T-293 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 0.25 | 8.3 | 1.2 | 0.5 | 25 | 26.7 | 57 | 23 | 4.2 | 0.9 | 0.25 | 2.1 | 0.31 | 114.5 |
| 69-99T-294 | 0.20 | 5.4 | 1.5 | 0.005 | 0.025 | 1.60 | 7.0 | 1.9 | 0.5 | 25 | 25.0 | 56 | 26 | 3.9 | 0.8 | 0.25 | 1.8 | 0.25 | 114.0 |
| 69-99T-295 | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.8 | 0.5 | 78 | 23.1 | 47 | 20 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 96.9 |
| 69-99T-296 | 0.05 | 5.5 | 1.5 | 0.005 | 0.025 | 0.25 | 7.6 | 1.8 | 0.5 | 25 | 26.5 | 53 | 25 | 4.0 | 0.9 | 0.25 | 1.8 | 0.26 | 111.7 |
| 69-99T-297 | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 2.0 | 0.5 | 25 | 24.4 | 52 | 21 | 3.8 | 0.9 | 0.25 | 1.8 | 0.26 | 104.4 |
| 69-99T-298 | 0.30 | 5.4 | 1.5 | 0.005 | 0.025 | 0.25 | 8.5 | 1.6 | 0.5 | 25 | 28.0 | 60 | 23 | 4.3 | 0.9 | 0.25 | 1.9 | 0.30 | 118.7 |
| 69-99T-299 | 0.30 | 7.0 | 1.5 | 0.005 | 0.025 | 2.10 | 8.2 | 1.2 | 0.5 | 25 | 27.0 | 57 | 24 | 4.3 | 1.0 | 0.25 | 2.1 | 0.31 | 116.0 |
| 69-99T-300 | 0.05 | 5.0 | 1.5 | 0.005 | 0.025 | 2.30 | 8.4 | 1.9 | 0.5 | 25 | 26.6 | 57 | 23 | 4.1 | 0.8 | 0.25 | 1.9 | 0.28 | 113.9 |
| 69-99T-301 | 0.10 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 9.3 | 2.1 | 2.0 | 25 | 29.5 | 61 | 26 | 4.4 | 0.9 | 0.60 | 2.3 | 0.34 | 125.0 |
| 69-99T-302 | 0.30 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.2 | 0.5 | 25 | 22.3 | 44 | 21 | 3.5 | 0.8 | 0.25 | 1.6 | 0.24 | 93.7 |
| 69-99T-303 | 0.30 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 5.9 | 1.0 | 0.5 | 25 | 21.9 | 46 | 18 | 3.4 | 0.8 | 0.25 | 1.6 | 0.23 | 92.2 |
| 69-99T-304 | 0.20 | 5.4 | 1.5 | 0.005 | 0.025 | 0.25 | 8.3 | 0.3 | 0.5 | 25 | 26.8 | 57 | 24 | 4.3 | 1.0 | 0.25 | 2.0 | 0.29 | 115.6 |
| 69-99T-305 | 0.30 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 1.2 | 0.5 | 25 | 22.1 | 47 | 20 | 3.5 | 0.8 | 0.25 | 1.7 | 0.26 | 95.6 |
| 69-99T-306 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.0 | 0.5 | 25 | 22.5 | 45 | 16 | 3.6 | 0.8 | 0.25 | 1.7 | 0.25 | 90.1 |
| 69-99T-308 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 7.5 | 1.8 | 0.5 | 25 | 25.9 | 53 | 25 | 3.9 | 0.9 | 0.25 | 2.0 | 0.30 | 111.3 |
| 69-99T-310 | 0.20 | 4.0 | 1.5 | 0.005 | 0.025 | 0.25 | 5.9 | 1.1 | 0.5 | 25 | 21.2 | 45 | 18 | 3.3 | 0.8 | 0.50 | 1.6 | 0.24 | 90.6 |
| 69-99T-311 | 0.20 | 4.0 | 1.5 | 0.005 | 0.025 | 0.25 | 5.4 | 1.4 | 0.5 | 25 | 19.3 | 39 | 16 | 3.1 | 0.8 | 0.25 | 1.6 | 0.24 | 80.3 |
| 69-99T-312 | 0.20 | 4.5 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.2 | 0.5 | 25 | 23.4 | 47 | 18 | 3.7 | 0.9 | 0.25 | 1.6 | 0.24 | 95.1 |
| 69-99T-314-1 Analytical Duplicate | 0.20 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.2 | 0.5 | 25 | 23.9 | 49 | 22 | 3.7 | 0.8 | 0.25 | 1.6 | 0.24 | 101.5 |
| 69-99T-314-2 Analytical Duplicate | 0.20 | 5.5 | 1.5 | 0.005 | 0.025 | 1.30 | 7.2 | 1.6 | 0.5 | 25 | 23.5 | 48 | 19 | 3.7 | 0.8 | 0.25 | 1.5 | 0.24 | 97.0 |
| 69-99T-315 | 0.20 | 5.4 | 1.5 | 0.005 | 0.025 | 0.25 | 7.6 | 2.0 | 0.5 | 25 | 24.7 | 52 | 20 | 3.7 | 0.8 | 0.60 | 1.6 | 0.23 | 103.6 |
| 69-99T-316 | 0.20 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 8.0 | 1.8 | 0.5 | 25 | 25.0 | 51 | 21 | 3.7 | 0.9 | 0.25 | 1.6 | 0.24 | 103.7 |
| 69-99T-317 | 0.05 | 6.4 | 1.5 | 0.005 | 0.025 | 0.25 | 8.9 | 1.1 | 0.5 | 25 | 27.5 | 58 | 28 | 4.1 | 0.9 | 0.25 | 2.0 | 0.30 | 121.1 |
| 69-99T-319 | 0.05 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.5 | 0.5 | 50 | 22.4 | 49 | 20 | 3.5 | 0.8 | 0.25 | 1.5 | 0.24 | 97.7 |
| 69-99T-320 | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.2 | 0.5 | 25 | 23.3 | 51 | 21 | 3.7 | 0.9 | 0.25 | 2.0 | 0.30 | 102.5 |
| 69-99T-322 | 0.05 | 3.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 2.2 | 0.5 | 25 | 18.7 | 38 | 17 | 3.1 | 0.7 | 0.25 | 1.5 | 0.23 | 79.5 |
| 69-99T-324 | 0.20 | 4.0 | 1.5 | 0.005 | 0.025 | 0.25 | 5.2 | 1.1 | 0.5 | 25 | 19.2 | 39 | 16 | 3.1 | 0.8 | 0.25 | 1.5 | 0.23 | 80.1 |
| 69-99T-325 | 0.30 | 5.2 | 1.5 | 0.005 | 0.025 | 1.00 | 7.4 | 1.6 | 0.5 | 25 | 25.3 | 55 | 20 | 4.0 | 0.9 | 0.25 | 1.9 | 0.27 | 107.6 |
| 69-99T-326 | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 1.30 | 6.7 | 1.8 | 0.5 | 59 | 22.7 | 48 | 19 | 3.5 | 0.8 | 0.50 | 1.6 | 0.24 | 96.3 |
| 69-99T-327 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 1.30 | 5.9 | 1.1 | 0.5 | 25 | 20.8 | 45 | 17 | 3.3 | 0.8 | 0.25 | 1.6 | 0.23 | 89.0 |
| 69-99T-328 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.0 | 1.5 | 0.5 | 25 | 23.2 | 49 | 18 | 3.6 | 0.8 | 0.25 | 1.8 | 0.25 | 96.9 |
| 69-99T-329-1 Analytical Duplicate | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.4 | 0.5 | 25 | 21.3 | 46 | 18 | 3.3 | 0.7 | 0.25 | 1.6 | 0.24 | 91.4 |
| 69-99T-329-2 Analytical Duplicate | 0.20 | 4.4 | 1.5 | 0.005 | 0.050 | 0.25 | 6.5 | 1.5 | 0.5 | 25 | 22.1 | 46 | 19 | 3.4 | 0.7 | 0.25 | 1.7 | 0.25 | 93.4 |
| 69-99T-330 | 0.20 | 5.2 | 1.5 | 0.005 | 0.025 | 1.40 | 7.5 | 1.8 | 0.5 | 25 | 25.9 | 53 | 22 | 3.9 | 1.0 | 0.25 | 1.7 | 0.25 | 108.0 |
| 69-99T-331 | 0.20 | 4.7 | 1.5 | 0.005 | 0.025 | 1.00 | 6.8 | 1.3 | 0.5 | 25 | 24.2 | 50 | 21 | 3.7 | 0.9 | 0.25 | 1.7 | 0.24 | 102.0 |
| 69-99T-332 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.1 | 1.1 | 0.5 | 25 | 23.2 | 52 | 20 | 3.7 | 0.9 | 0.25 | 1.6 | 0.24 | 101.9 |
| 69-99T-334 | 0.30 | 6.0 | 1.5 | 0.005 | 0.025 | 0.25 | 8.4 | 1.9 | 0.5 | 25 | 27.7 | 60 | 24 | 4.2 | 1.0 | 0.25 | 2.0 | 0.30 | 119.5 |
| 69-99T-335 | 0.05 | 5.6 | 1.5 | 0.005 | 0.025 | 0.25 | 12.0 | 1.8 | 0.5 | 51 | 29.1 | 63 | 25 | 3.8 | 0.8 | 0.25 | 1.4 | 0.21 | 123.6 |
| 69-99T-338 | 0.05 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.7 | 0.5 | 25 | 26.4 | 55 | 24 | 4.0 | 0.9 | 0.25 | 1.9 | 0.28 | 112.7 |
| 69-99T-341 | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.9 | 0.5 | 25 | 24.0 | 53 | 21 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 104.8 |
| 69-99T-343 | 0.10 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.2 | 1.6 | 0.5 | 25 | 21.9 | 45 | 16 | 3.5 | 0.7 | 0.25 | 1.7 | 0.26 | 89.3 |
| 69-99T-344 | 0.20 | 5.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.8 | 0.5 | 25 | 23.9 | 51 | 21 | 3.9 | 0.8 | 0.25 | 1.8 | 0.26 | 102.9 |
| 69-99T-345 | 0.10 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.1 | 1.9 | 0.5 | 69 | 22.1 | 47 | 20 | 3.5 | 0.8 | 0.25 | 1.5 | 0.24 | 95.4 |
| 69-99T-346 | 0.05 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.5 | 0.5 | 25 | 22.0 | 44 | 20 | 3.6 | 0.8 | 0.25 | 1.8 | 0.26 | 92.7 |
| 69-99T-347 | 0.20 | 5.1 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.2 | 0.5 | 25 | 23.5 | 52 | 24 | 3.8 | 0.9 | 0.25 | 1.8 | 0.30 | 106.6 |
| 69-99T-349 | 0.20 | 5.6 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.6 | 0.5 | 25 | 26.0 | 57 | 22 | 4.0 | 0.9 | 0.25 | 1.8 | 0.28 | 112.2 |
| 69-99T-350 | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.2 | 0.5 | 25 | 22.1 | 46 | 18 | 3.6 | 0.8 | 0.50 | 1.7 | 0.36 | 93.1 |
| 69-99T-351 | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 9.6 | 0.8 | 1.0 | 25 | 23.8 | 50 | 20 | 3.3 | 0.7 | 0.25 | 1.2 | 0.19 | 99.4 |

## Appendix T-5

# Duplicate Pair INA Analyses For The <63 Micron Size Fraction Of Till Samples.

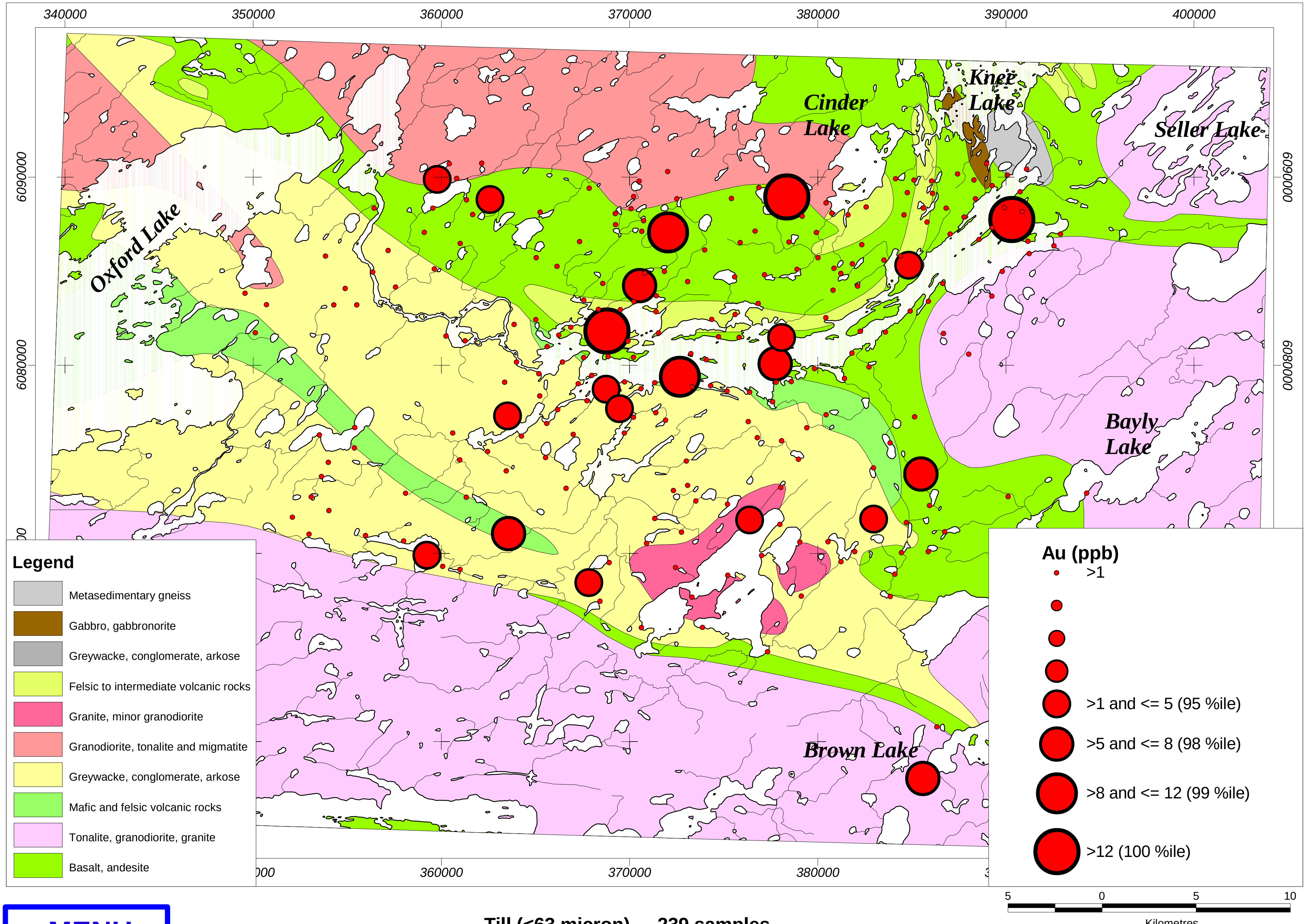
| Sample Site | UTM Easting | UTM Northing | Au ppb | Ag ppm | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Cs ppm | Fe % | Hf ppm | Hg ppm | Ir ppm | Mo ppm | Na % | Ni ppm | Rb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-99T-21-1 Analytical Duplicate | 384823.47 | 6085301.09 | 1 | 2.5 | 1.7 | 280 | 4.9 | 14 | 4 | 30 | 1.0 | 1.02 | 6 | 0.5 | 2.5 | 0.5 | 0.95 | 10.0 | 53 |
| 69-99T-21-2 Analytical Duplicate | 384823.47 | 6085301.09 | 3 | 2.5 | 1.7 | 330 | 4.2 | 17 | 4 | 23 | 0.5 | 1.07 | 6 | 0.5 | 2.5 | 2.0 | 0.96 | 11.0 | 55 |
| 69-99T-41-1 Analytical Duplicate | 391167.56 | 6086589.75 | 1 | 2.5 | 2.0 | 370 | 4.7 | 14 | 3 | 31 | 1.0 | 1.07 | 6 | 0.5 | 2.5 | 0.5 | 1.07 | 10.0 | 34 |
| 69-99T-41-2 Analytical Duplicate | 391167.56 | 6086589.75 | 1 | 2.5 | 2.3 | 390 | 4.7 | 14 | 4 | 34 | 1.0 | 1.12 | 6 | 0.5 | 2.5 | 0.5 | 1.06 | 10.5 | 36 |
| 69-99T-73-1 Analytical Duplicate | 370656.16 | 6087109.32 | 1 | 2.5 | 2.7 | 470 | 5.9 | 15 | 5 | 39 | 1.0 | 1.45 | 7 | 0.5 | 2.5 | 0.5 | 1.11 | 10.0 | 58 |
| 69-99T-73-2 Analytical Duplicate | 370656.16 | 6087109.32 | 1 | 2.5 | 2.0 | 370 | 5.6 | 15 | 5 | 34 | 0.5 | 1.18 | 7 | 0.5 | 2.5 | 2.0 | 1.11 | 10.0 | 38 |
| 69-99T-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 1 | 2.5 | 2.8 | 420 | 4.3 | 14 | 4 | 32 | 1.0 | 1.06 | 7 | 0.5 | 2.5 | 0.5 | 1.14 | 10.0 | 29 |
| 69-99T-82-2 Analytical Duplicate | 372516.50 | 6088851.06 | 1 | 2.5 | 2.9 | 410 | 4.4 | 14 | 4 | 29 | 1.0 | 1.07 | 7 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 58 |
| 69-99T-124-1 Analytical Duplicate | 362147.22 | 6090729.66 | 1 | 2.5 | 2.4 | 390 | 5.4 | 16 | 6 | 35 | 1.0 | 1.34 | 6 | 0.5 | 2.5 | 0.5 | 0.98 | 10.0 | 56 |
| 69-99T-124-2 Analytical Duplicate | 362147.22 | 6090729.66 | 1 | 2.5 | 2.5 | 420 | 5.6 | 17 | 6 | 36 | 1.0 | 1.37 | 6 | 0.5 | 2.5 | 0.5 | 1.00 | 10.0 | 52 |
| 69-99T-145-1 Analytical Duplicate | 365012.13 | 6082425.90 | 1 | 2.5 | 0.8 | 380 | 5.2 | 16 | 4 | 28 | 0.5 | 0.89 | 6 | 0.5 | 2.5 | 1.0 | 1.05 | 10.0 | 49 |
| 69-99T-145-2 Analytical Duplicate | 365012.13 | 6082425.90 | 1 | 2.5 | 0.9 | 360 | 5.0 | 16 | 3 | 30 | 0.5 | 0.85 | 6 | 0.5 | 2.5 | 1.0 | 1.01 | 10.0 | 33 |
| 69-99T-219-1 Analytical Duplicate | 367825.77 | 6068425.98 | 8 | 2.5 | 1.6 | 380 | 4.4 | 12 | 4 | 28 | 2.0 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 1.12 | 10.0 | 40 |
| 69-99T-219-2 Analytical Duplicate | 367825.77 | 6068425.98 | 1 | 2.5 | 1.7 | 390 | 4.6 | 13 | 4 | 31 | 1.0 | 1.11 | 7 | 0.5 | 2.5 | 0.5 | 1.13 | 10.0 | 46 |
| 69-99T-230-1 Analytical Duplicate | 355405.44 | 6076684.24 | 1 | 2.5 | 2.9 | 440 | 7.3 | 18 | 5 | 39 | 1.0 | 1.46 | 6 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 41 |
| 69-99T-230-2 Analytical Duplicate | 355405.44 | 6076684.24 | 1 | 2.5 | 3.0 | 420 | 6.5 | 18 | 5 | 37 | 2.0 | 1.40 | 6 | 0.5 | 2.5 | 0.5 | 1.01 | 10.0 | 42 |
| 69-99T-248-1 Analytical Duplicate | 363998.87 | 6080166.06 | 1 | 2.5 | 2.6 | 360 | 4.4 | 17 | 5 | 38 | 1.0 | 1.18 | 7 | 0.5 | 2.5 | 0.5 | 1.10 | 10.0 | 39 |
| 69-99T-248-2 Analytical Duplicate | 363998.87 | 6080166.06 | 1 | 2.5 | 2.4 | 400 | 4.3 | 16 | 5 | 39 | 1.0 | 1.27 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 41 |
| 69-99T-276-1 Analytical Duplicate | 385148.66 | 6077248.38 | 1 | 2.5 | 3.5 | 420 | 6.5 | 16 | 5 | 41 | 2.0 | 1.38 | 7 | 0.5 | 2.5 | 2.0 | 1.12 | 12.5 | 56 |
| 69-99T-276-2 Analytical Duplicate | 385148.66 | 6077248.38 | 1 | 2.5 | 3.5 | 470 | 7.0 | 15 | 5 | 44 | 2.0 | 1.52 | 8 | 0.5 | 2.5 | 1.0 | 1.24 | 12.5 | 48 |
| 69-99T-292-1 Analytical Duplicate | 372658.22 | 6079359.51 | 15 | 2.5 | 2.4 | 370 | 4.4 | 17 | 5 | 35 | 1.0 | 1.30 | 7 | 0.5 | 2.5 | 2.0 | 1.12 | 12.0 | 42 |
| 69-99T-292-2 Analytical Duplicate | 372658.22 | 6079359.51 | 2 | 2.5 | 2.5 | 430 | 4.2 | 16 | 5 | 35 | 0.5 | 1.27 | 6 | 0.5 | 2.5 | 3.0 | 1.10 | 11.5 | 37 |
| 69-99T-314-1 Analytical Duplicate | 380441.27 | 6077362.52 | 1 | 2.5 | 2.6 | 420 | 5.2 | 16 | 6 | 40 | 1.0 | 1.41 | 5 | 0.5 | 2.5 | 0.5 | 1.03 | 10.5 | 29 |
| 69-99T-314-2 Analytical Duplicate | 380441.27 | 6077362.52 | 1 | 2.5 | 2.4 | 390 | 4.7 | 16 | 6 | 43 | 2.0 | 1.50 | 5 | 0.5 | 2.5 | 0.5 | 1.03 | 10.0 | 26 |
| 69-99T-329-1 Analytical Duplicate | 373524.62 | 6072776.30 | 1 | 2.5 | 2.2 | 400 | 4.6 | 15 | 4 | 31 | 1.0 | 1.07 | 7 | 0.5 | 2.5 | 0.5 | 1.06 | 10.0 | 42 |
| 69-99T-329-2 Analytical Duplicate | 373524.62 | 6072776.30 | 1 | 2.5 | 2.4 | 370 | 4.9 | 16 | 4 | 32 | 1.0 | 1.08 | 6 | 0.5 | 2.5 | 0.5 | 1.09 | 10.0 | 39 |

| Sample Site | Sb ppm | Sc ppm | Se ppm | Sn % | Sr % | Ta ppm | Th ppm | U ppm | W ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 69-99T-21-1 Analytical Duplicate | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.3 | 0.5 | 25 | 22.5 | 45 | 20 | 3.4 | 0.7 | 0.25 | 1.6 | 0.24 | 93.7 |
| 69-99T-21-2 Analytical Duplicate | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.6 | 0.5 | 25 | 23.1 | 43 | 15 | 3.4 | 0.7 | 0.25 | 1.5 | 0.24 | 87.2 |
| 69-99T-41-1 Analytical Duplicate | 0.05 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 5.9 | 1.3 | 0.5 | 25 | 21.7 | 41 | 19 | 3.2 | 0.8 | 0.25 | 1.4 | 0.21 | 87.6 |
| 69-99T-41-2 Analytical Duplicate | 0.05 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 5.7 | 1.4 | 0.5 | 25 | 22.1 | 42 | 19 | 3.3 | 0.7 | 0.25 | 1.3 | 0.20 | 88.9 |
| 69-99T-73-1 Analytical Duplicate | 0.30 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.0 | 1.7 | 0.5 | 25 | 23.8 | 48 | 20 | 3.8 | 0.9 | 0.25 | 1.8 | 0.26 | 98.8 |
| 69-99T-73-2 Analytical Duplicate | 0.30 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.5 | 0.5 | 25 | 22.0 | 48 | 21 | 3.7 | 0.8 | 0.25 | 1.8 | 0.26 | 97.8 |
| 69-99T-82-1 Analytical Duplicate | 0.05 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.8 | 1.4 | 0.5 | 25 | 22.1 | 46 | 18 | 3.5 | 0.8 | 0.25 | 1.8 | 0.26 | 92.7 |
| 69-99T-82-2 Analytical Duplicate | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.25 | 6.6 | 1.5 | 0.5 | 25 | 21.8 | 46 | 19 | 3.4 | 0.8 | 0.25 | 1.8 | 0.26 | 93.3 |
| 69-99T-124-1 Analytical Duplicate | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.4 | 0.5 | 25 | 21.8 | 48 | 17 | 3.4 | 0.8 | 0.25 | 1.6 | 0.24 | 93.1 |
| 69-99T-124-2 Analytical Duplicate | 0.10 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.9 | 1.4 | 0.5 | 25 | 21.9 | 48 | 16 | 3.5 | 0.8 | 0.25 | 1.6 | 0.24 | 92.3 |
| 69-99T-145-1 Analytical Duplicate | 0.05 | 4.2 | 1.5 | 0.005 | 0.025 | 0.60 | 5.7 | 1.0 | 0.5 | 25 | 18.6 | 42 | 16 | 3.5 | 0.8 | 0.25 | 1.7 | 0.25 | 83.1 |
| 69-99T-145-2 Analytical Duplicate | 0.05 | 4.1 | 1.5 | 0.005 | 0.025 | 0.90 | 5.2 | 1.1 | 0.5 | 25 | 18.5 | 41 | 15 | 3.3 | 0.8 | 0.25 | 1.6 | 0.24 | 80.7 |
| 69-99T-219-1 Analytical Duplicate | 0.20 | 4.4 | 1.5 | 0.005 | 0.025 | 0.25 | 5.3 | 1.1 | 0.5 | 25 | 21.3 | 40 | 16 | 3.1 | 0.8 | 0.25 | 1.6 | 0.24 | 83.3 |
| 69-99T-219-2 Analytical Duplicate | 0.20 | 4.6 | 1.5 | 0.005 | 0.025 | 0.25 | 5.8 | 1.2 | 0.5 | 25 | 22.7 | 42 | 15 | 3.2 | 0.8 | 0.25 | 1.5 | 0.23 | 85.7 |
| 69-99T-230-1 Analytical Duplicate | 0.20 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.3 | 0.5 | 25 | 22.1 | 49 | 17 | 3.7 | 0.8 | 0.25 | 1.5 | 0.23 | 94.6 |
| 69-99T-230-2 Analytical Duplicate | 0.30 | 4.9 | 1.5 | 0.005 | 0.025 | 0.25 | 6.3 | 1.1 | 0.5 | 25 | 22.3 | 48 | 19 | 3.7 | 0.8 | 0.25 | 1.6 | 0.23 | 95.9 |
| 69-99T-248-1 Analytical Duplicate | 0.30 | 4.8 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 2.2 | 0.5 | 25 | 24.5 | 48 | 16 | 3.9 | 0.8 | 0.25 | 1.6 | 0.24 | 95.3 |
| 69-99T-248-2 Analytical Duplicate | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 6.4 | 1.9 | 0.5 | 51 | 24.7 | 50 | 18 | 3.7 | 0.8 | 0.25 | 1.6 | 0.24 | 99.3 |
| 69-99T-276-1 Analytical Duplicate | 0.20 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.3 | 1.6 | 0.5 | 25 | 24.3 | 50 | 25 | 4.0 | 0.9 | 0.25 | 1.7 | 0.27 | 106.4 |
| 69-99T-276-2 Analytical Duplicate | 0.20 | 6.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.8 | 1.7 | 0.5 | 25 | 28.6 | 55 | 28 | 4.6 | 1.0 | 0.25 | 1.9 | 0.28 | 119.6 |
| 69-99T-292-1 Analytical Duplicate | 0.20 | 5.2 | 1.5 | 0.005 | 0.050 | 0.25 | 7.4 | 1.1 | 0.5 | 25 | 25.2 | 55 | 21 | 4.0 | 0.9 | 0.25 | 1.8 | 0.26 | 108.4 |
| 69-99T-292-2 Analytical Duplicate | 0.20 | 5.0 | 1.5 | 0.005 | 0.025 | 0.25 | 7.1 | 1.2 | 0.5 | 25 | 24.8 | 51 | 21 | 3.9 | 0.9 | 0.25 | 1.8 | 0.26 | 103.9 |
| 69-99T-314-1 Analytical Duplicate | 0.20 | 5.2 | 1.5 | 0.005 | 0.025 | 0.25 | 7.2 | 1.2 | 0.5 | 25 | 23.9 | 49 | 22 | 3.7 | 0.8 | 0.25 | 1.6 | 0.24 | 101.5 |
| 69-99T-314-2 Analytical Duplicate | 0.20 | 5.5 | 1.5 | 0.005 | 0.025 | 1.30 | 7.2 | 1.6 | 0.5 | 25 | 23.5 | 48 | 19 | 3.7 | 0.8 | 0.25 | 1.5 | 0.24 | 97.0 |
| 69-99T-329-1 Analytical Duplicate | 0.20 | 4.3 | 1.5 | 0.005 | 0.025 | 0.25 | 6.5 | 1.4 | 0.5 | 25 | 21.3 | 46 | 18 | 3.3 | 0.7 | 0.25 | 1.6 | 0.24 | 91.4 |
| 69-99T-329-2 Analytical Duplicate | 0.20 | 4.4 | 1.5 | 0.005 | 0.050 | 0.25 | 6.5 | 1.5 | 0.5 | 25 | 22.1 | 46 | 19 | 3.4 | 0.7 | 0.25 | 1.7 | 0.25 | 93.4 |

Appendix T-6: INAA Percentile Bubble Plots For The <63 Micron Size Fraction Of Till Samples.

| | | | | |
|---|---|---|---|---|
| **Au** | **As** | **Ba** | **Br** | **Ca** |
| **Co** | **Cr** | **Cs** | **Fe** | **Hf** |
| **Mo** | **Na** | **Ni** | **Rb** | **Sb** |
| **Sc** | **Sr** | **Ta** | **Th** | **U** |
| **W** | **Zn** | **Total REE** | | |

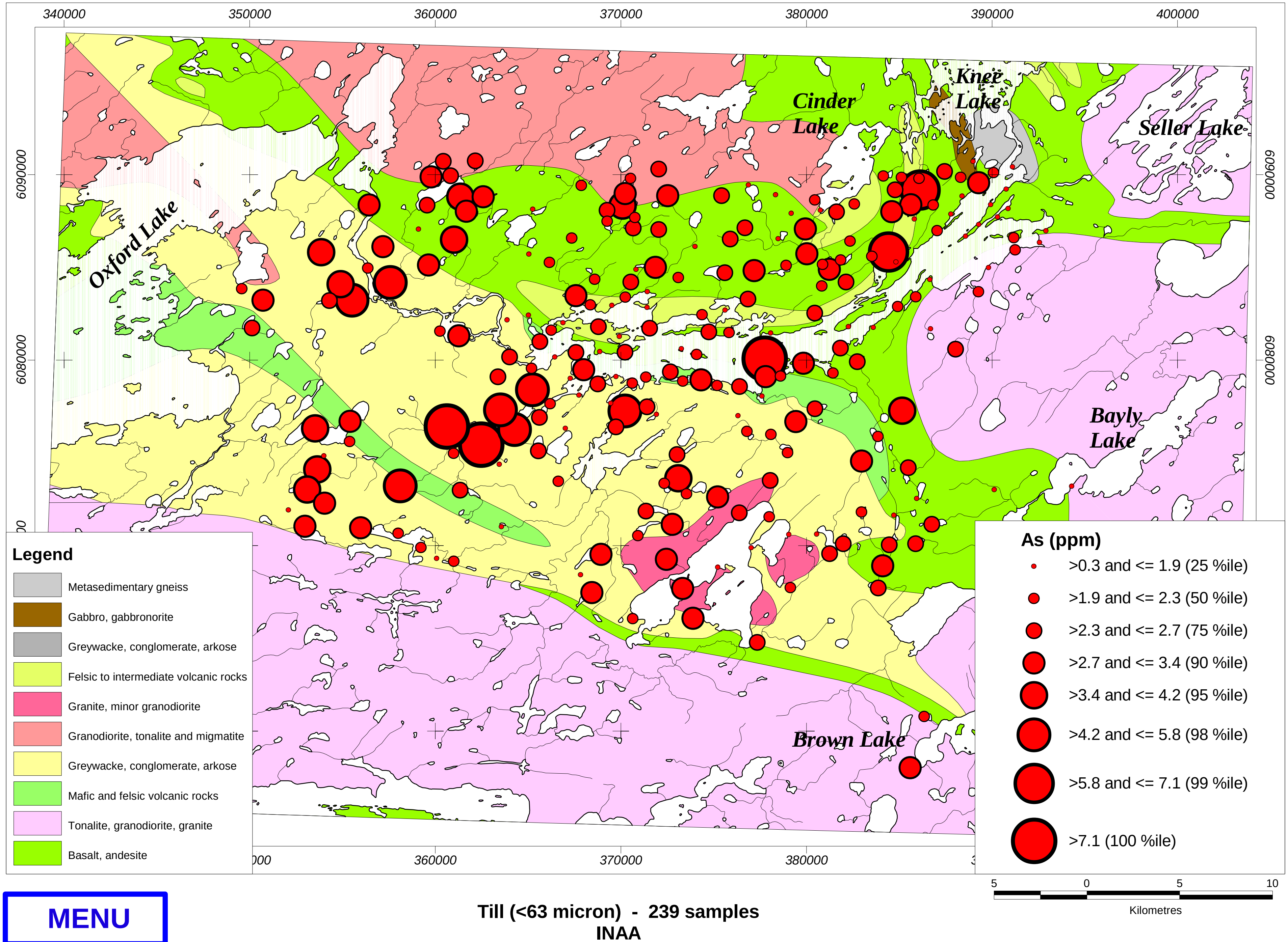
**CONTENTS**




MENU

**Till (<63 micron) - 239 samples**
**INAA**

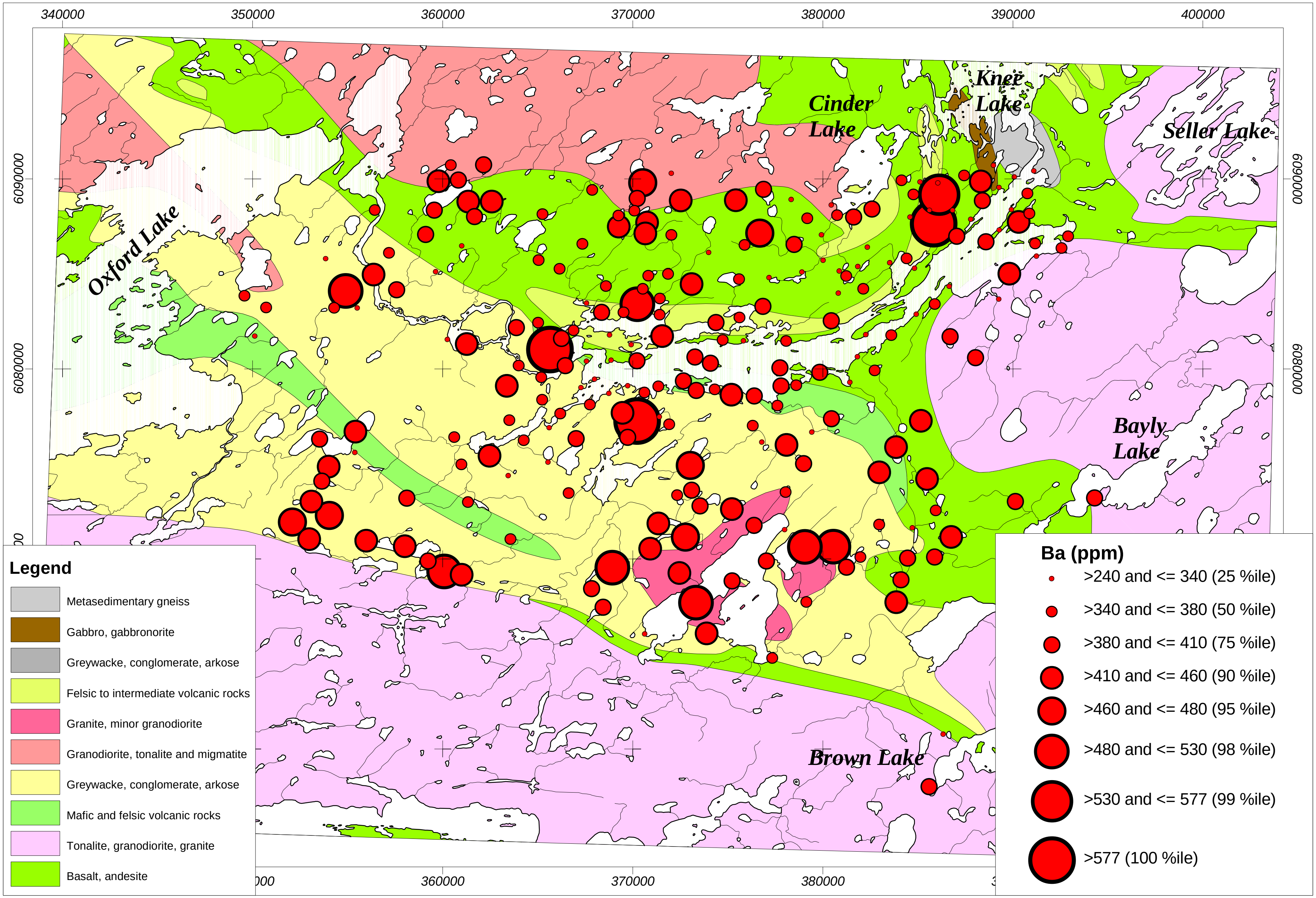
Appendix T-6-1




MENU

**Till (<63 micron) - 239 samples**
**INAA**

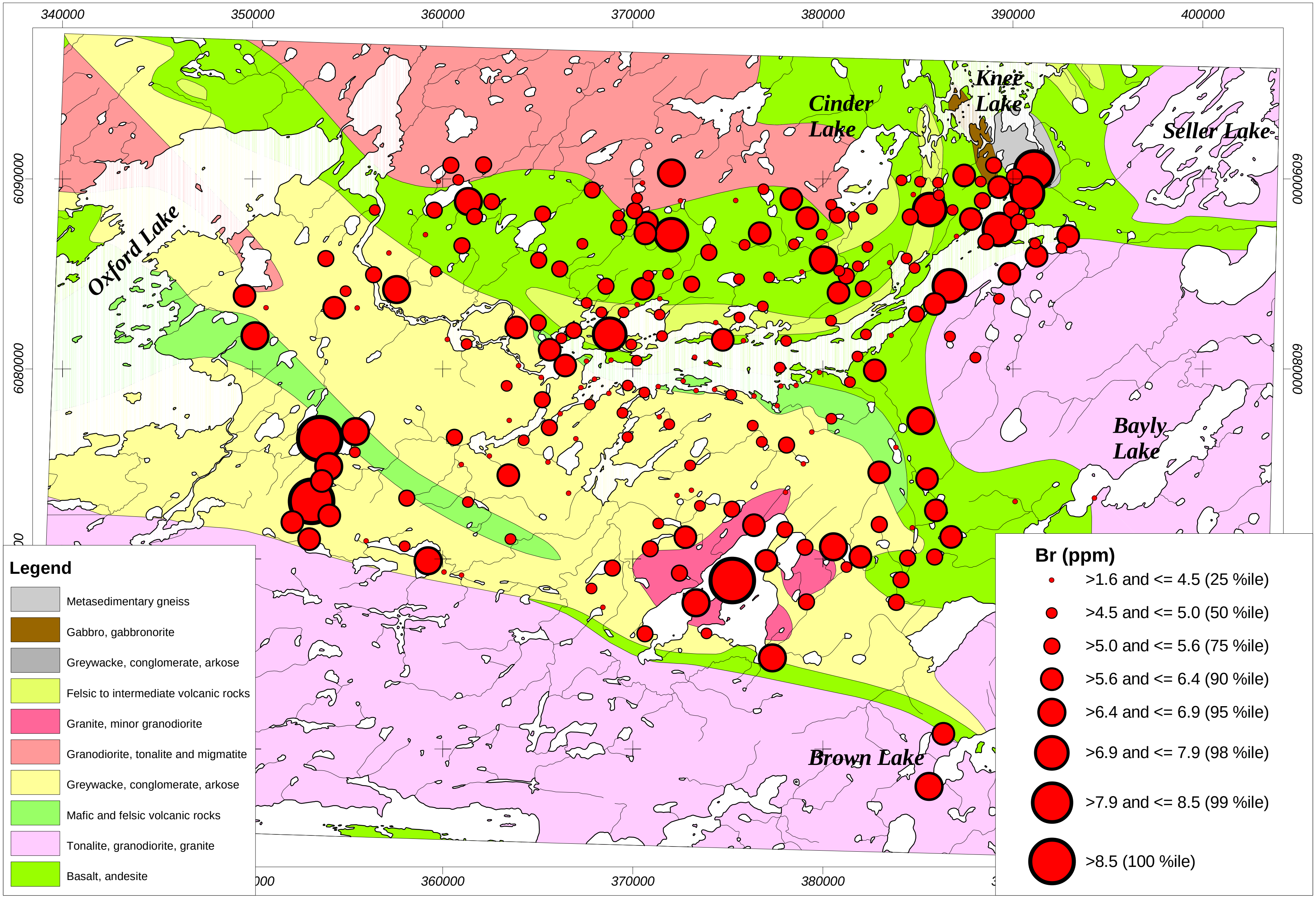
Appendix T-6-2




MENU

**Till (<63 micron) - 239 samples**
**INAA**

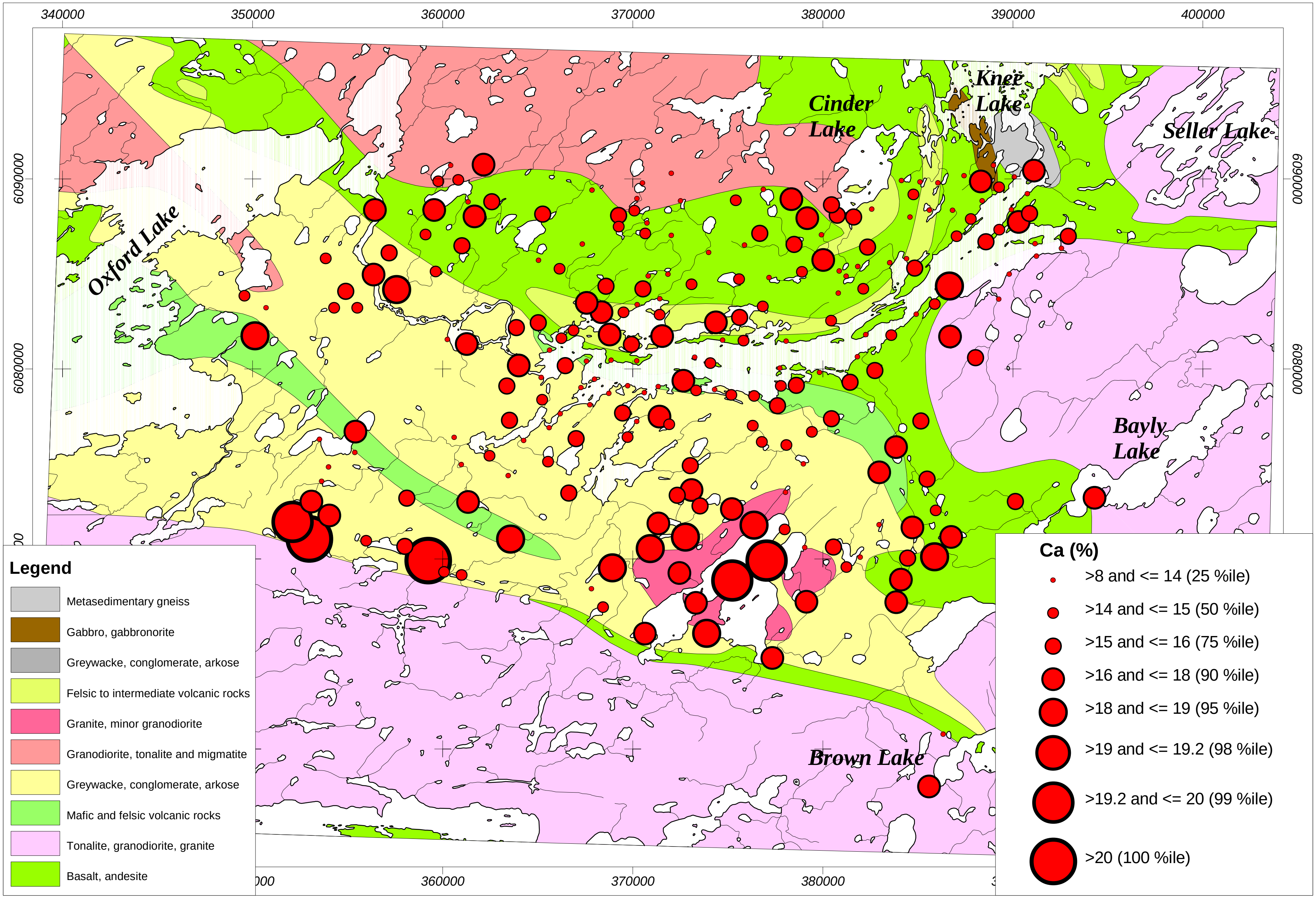
Appendix T-6-3




MENU

**Till (<63 micron) - 239 samples**
**INAA**

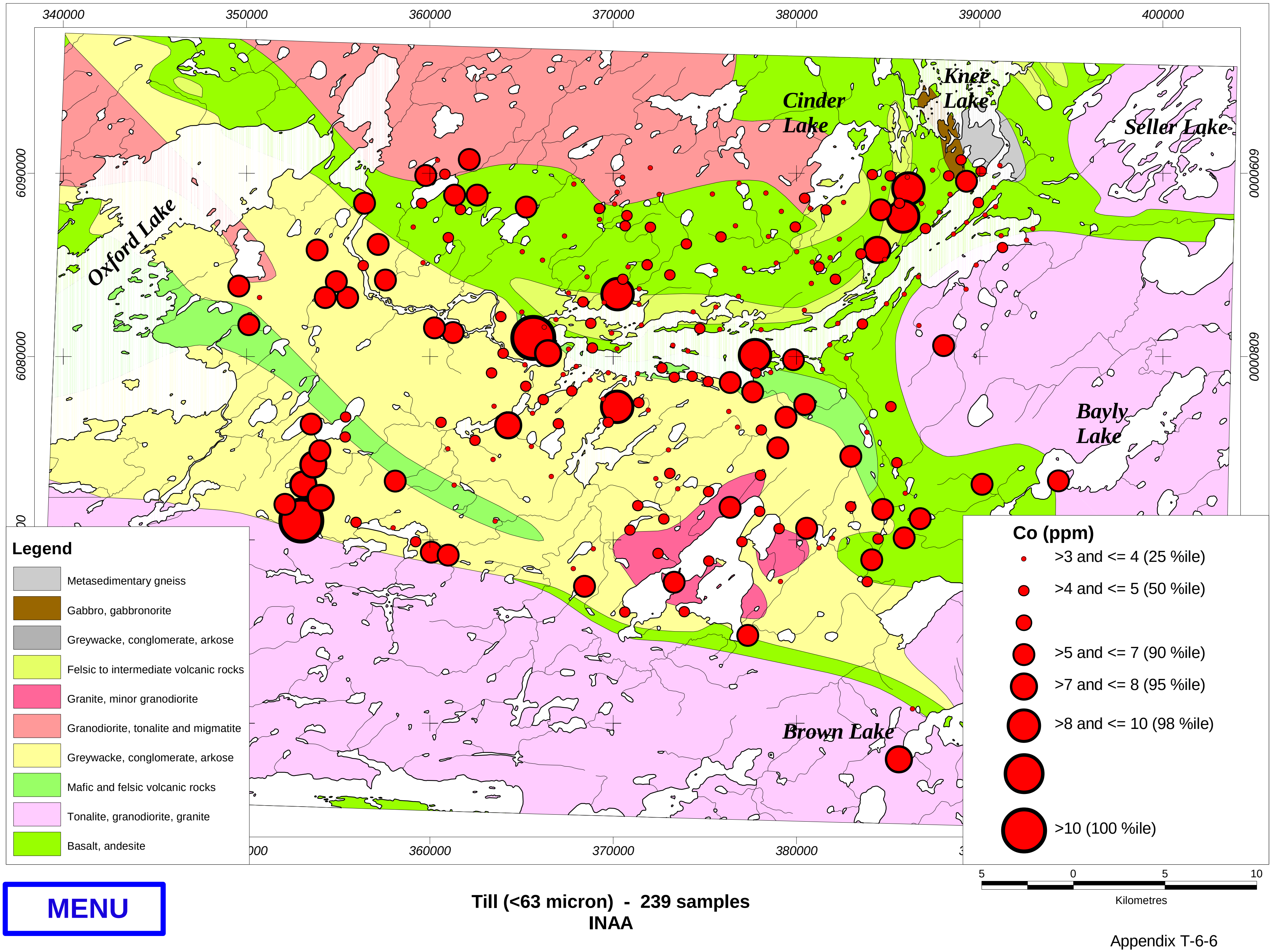
Appendix T-6-4




MENU

**Till (<63 micron) - 239 samples**
**INAA**

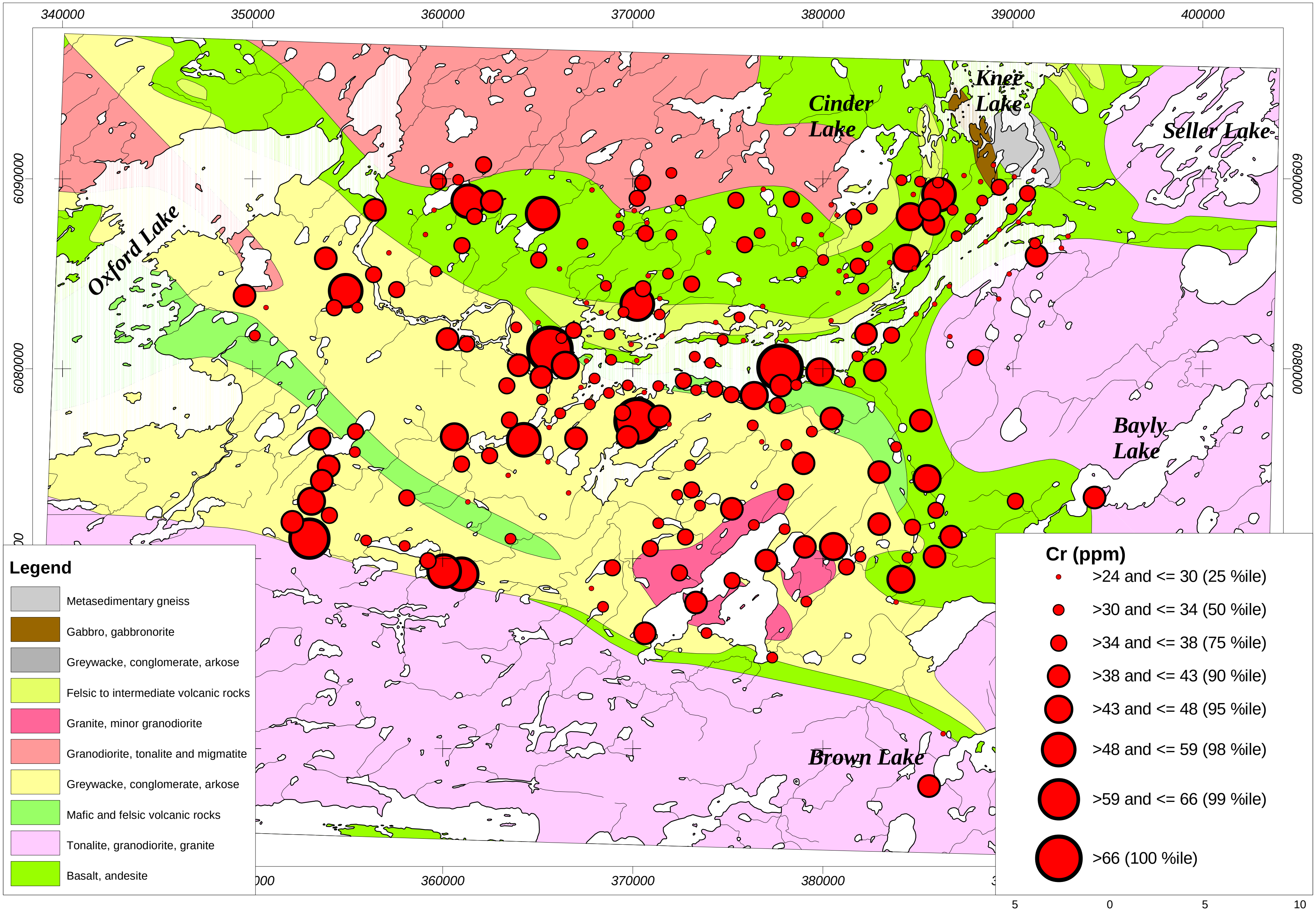
Appendix T-6-5




MENU

**Till (<63 micron) - 239 samples**
**INAA**

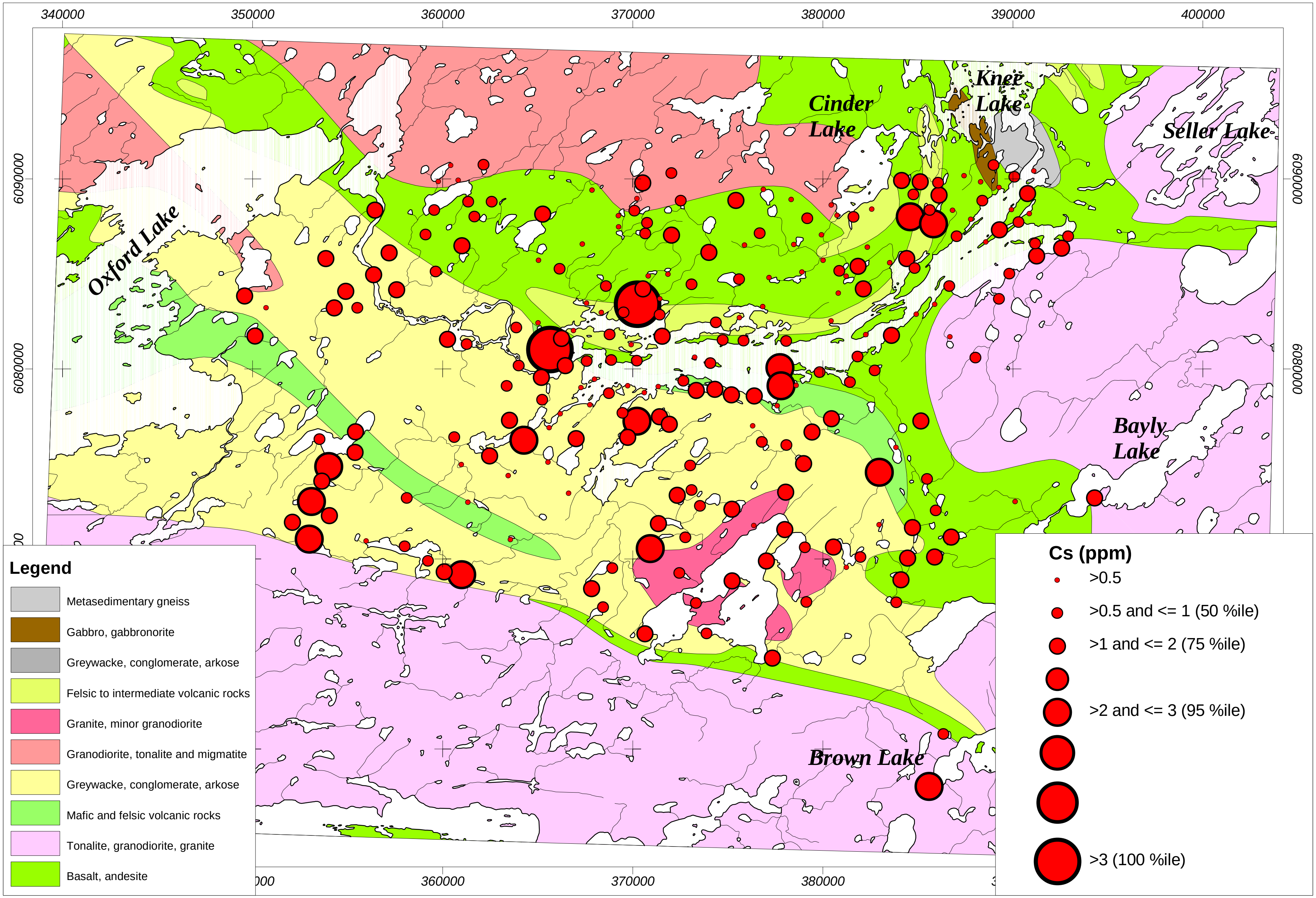
Appendix T-6-6




MENU

**Till (<63 micron) - 239 samples**
**INAA**

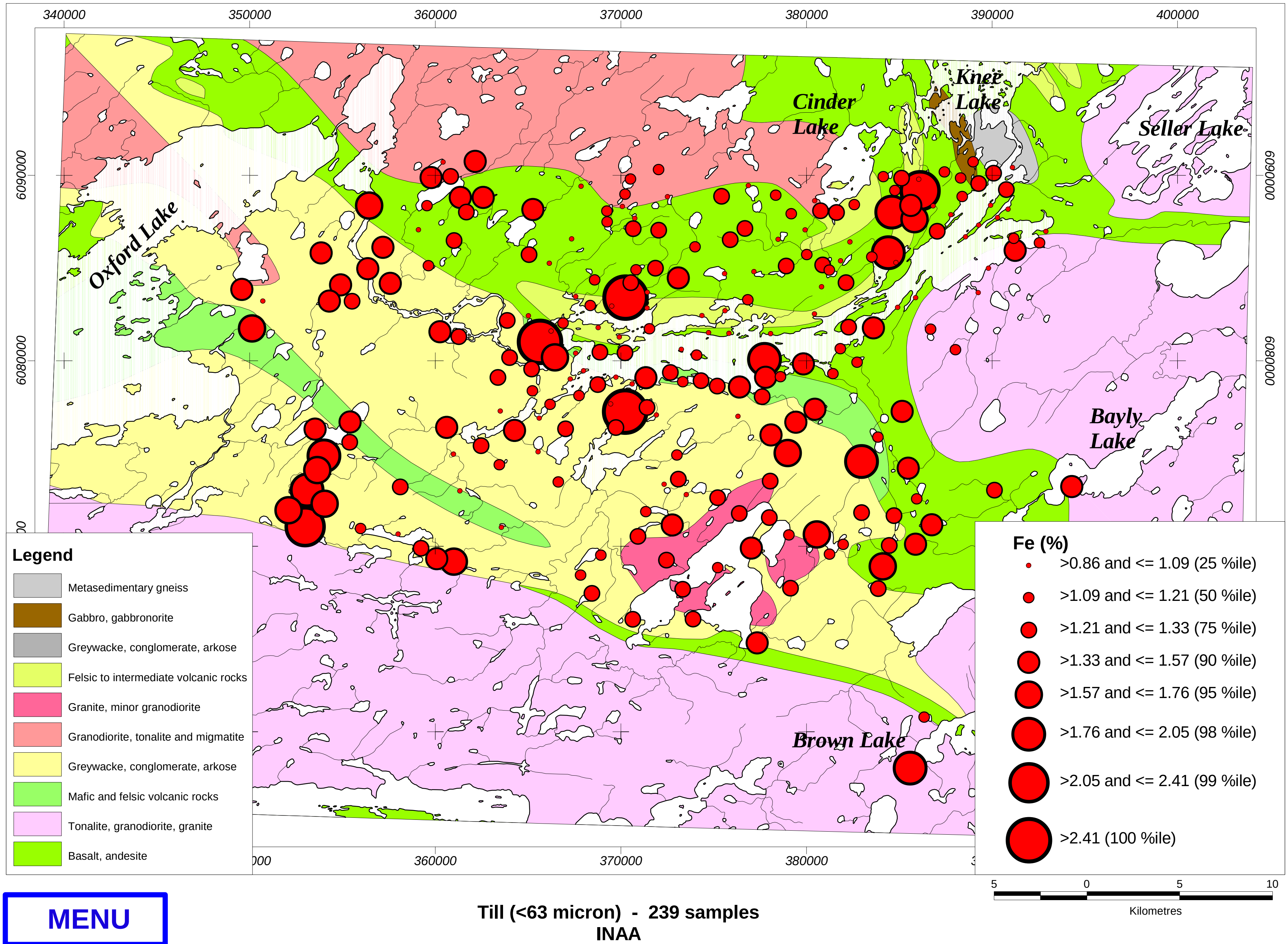
Appendix T-6-7




MENU

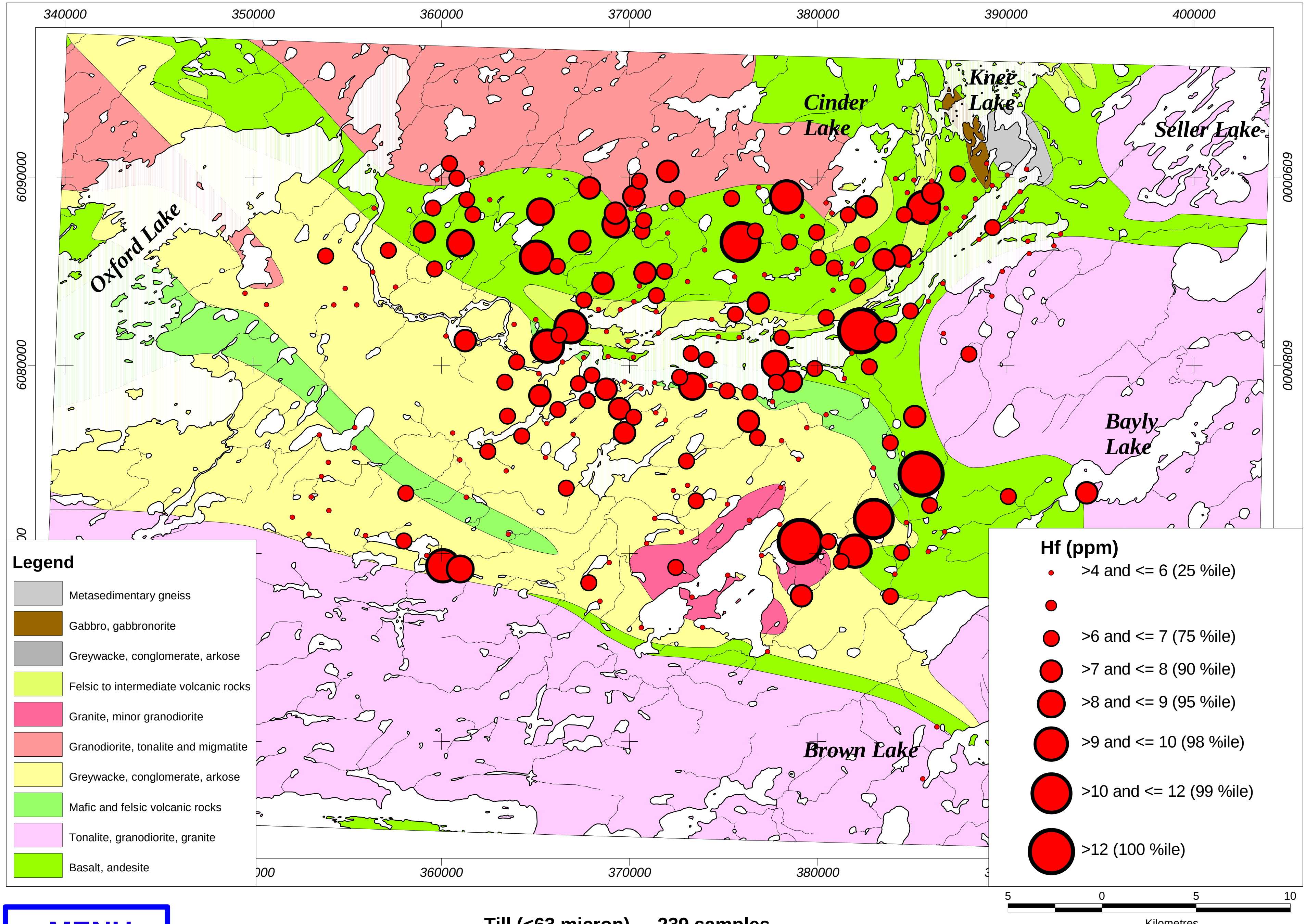
**Till (<63 micron) - 239 samples**
**INAA**

Appendix T-6-8




**Till (<63 micron) - 239 samples**
**INAA**

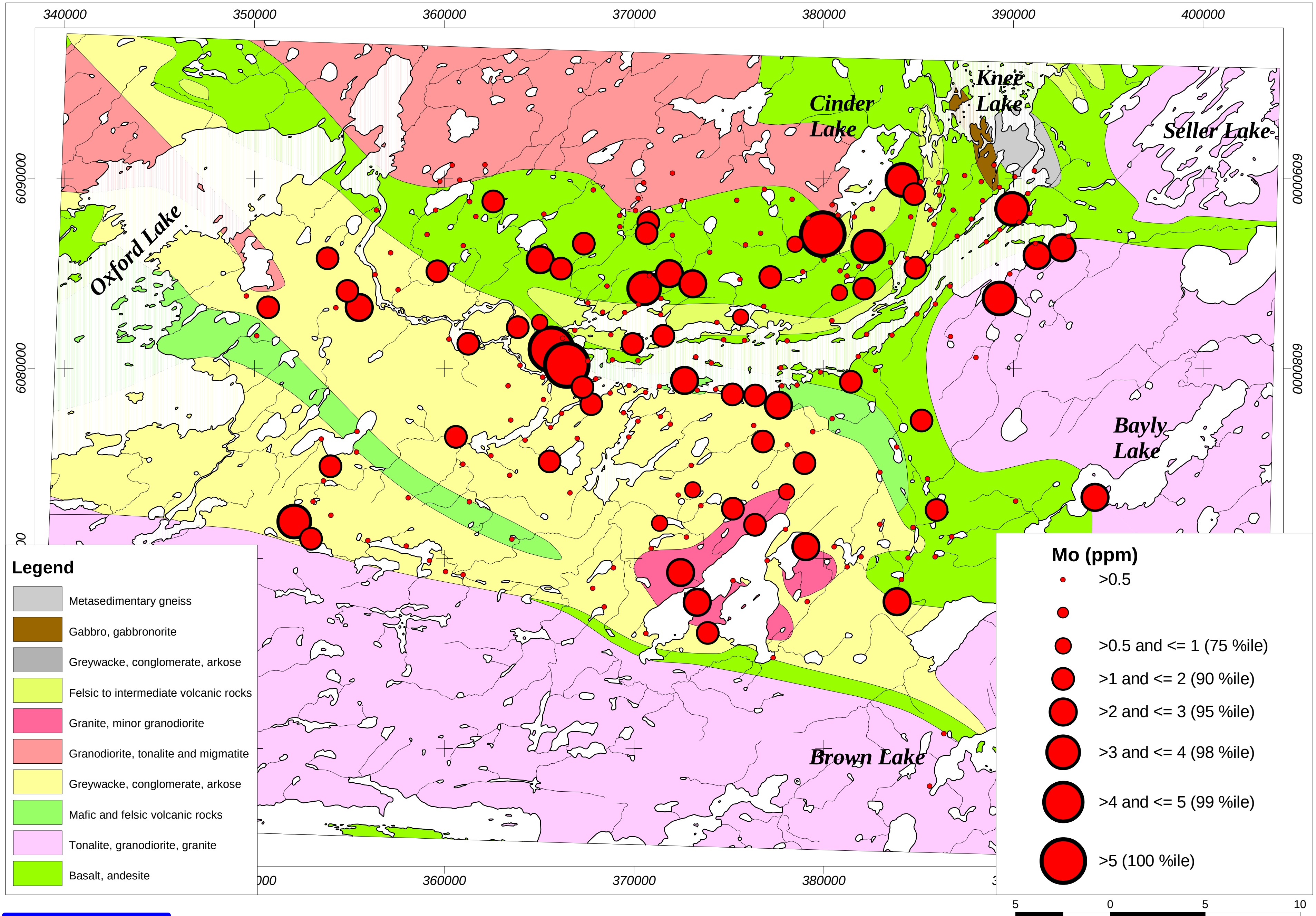
Appendix T-6-9




MENU

**Till (<63 micron) - 239 samples**
**INAA**

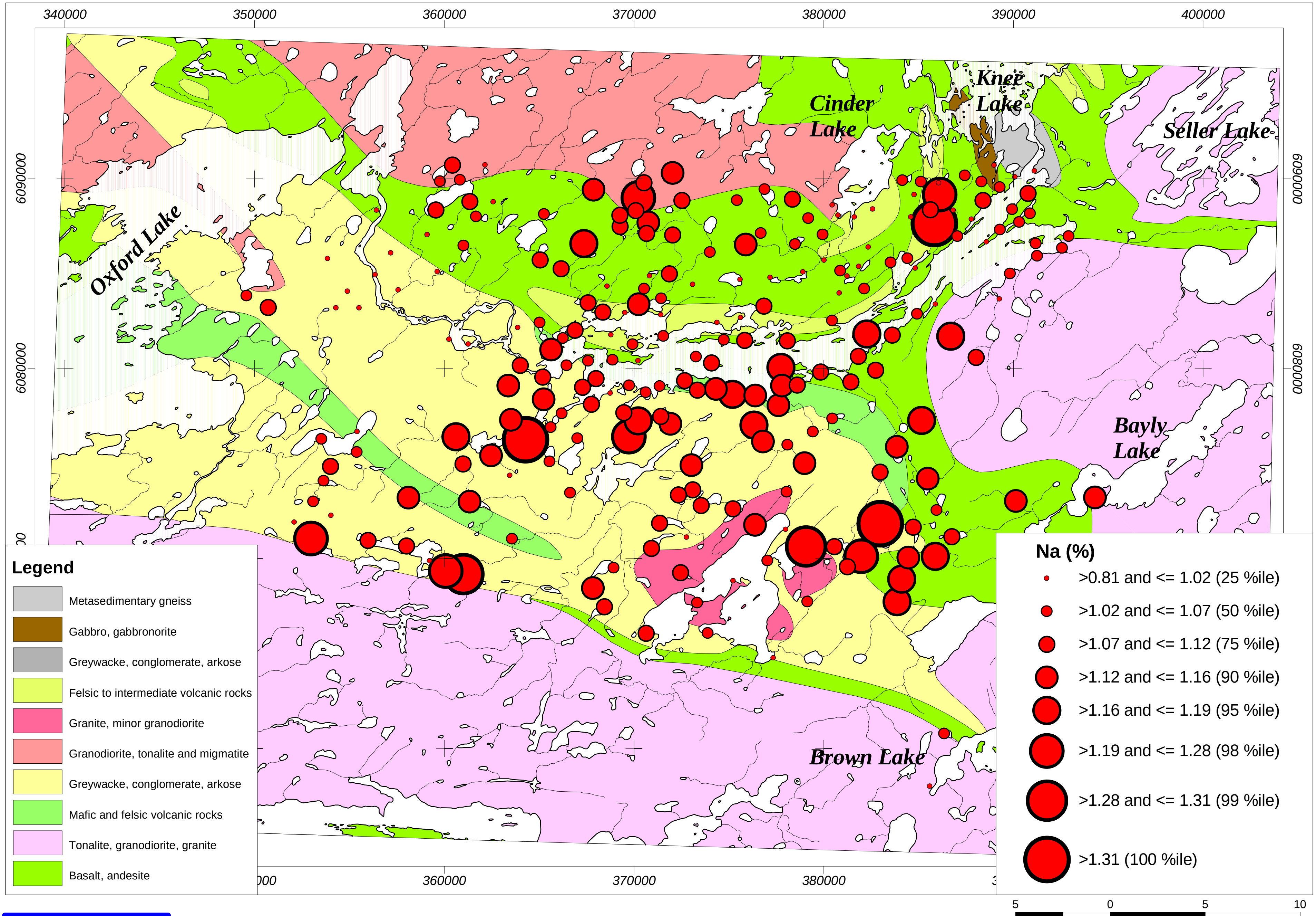
Appendix T-6-10




MENU

**Till (<63 micron) - 239 samples**
**INAA**

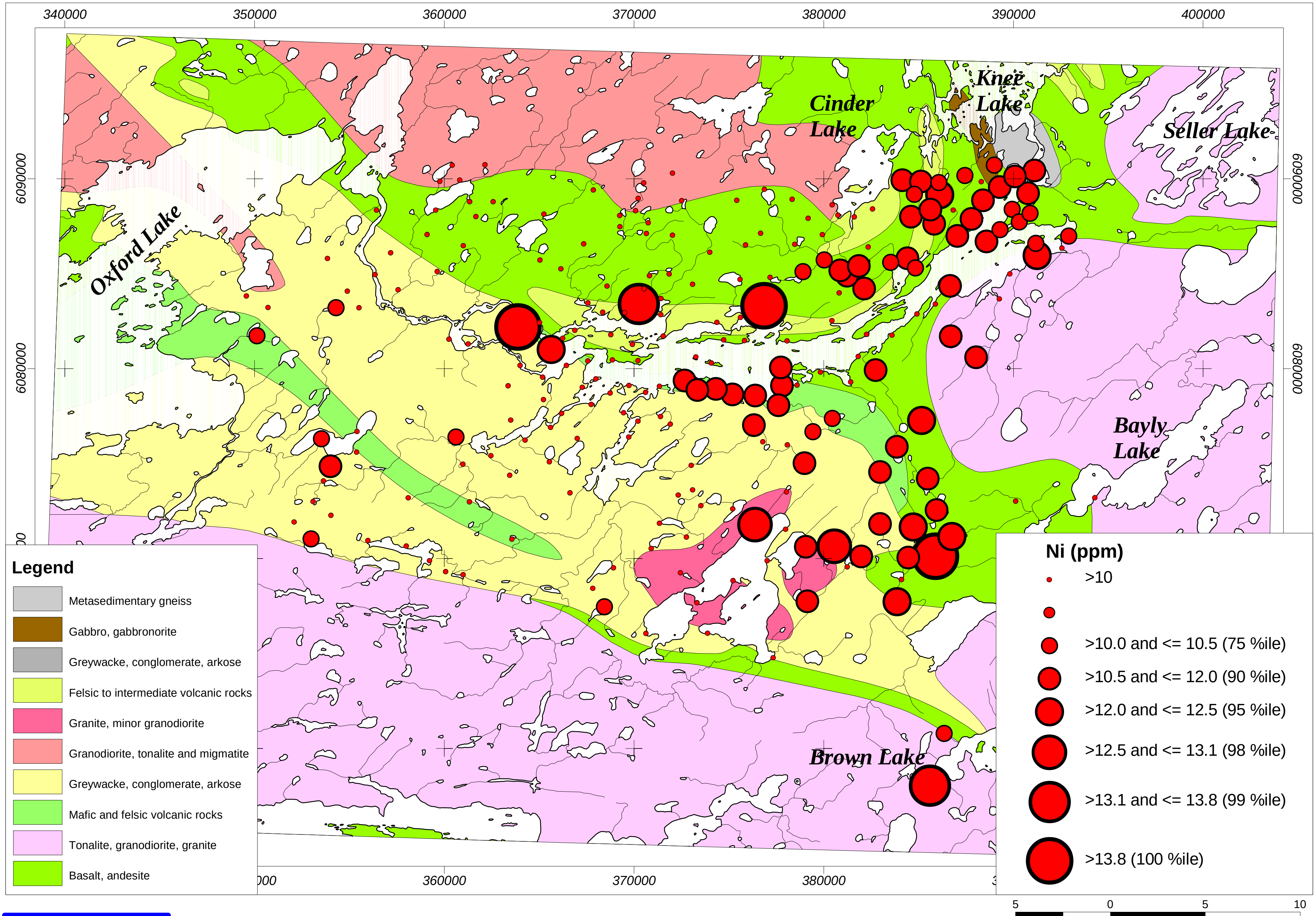
Appendix T-6-11




MENU

**Till (<63 micron) - 239 samples**
**INAA**

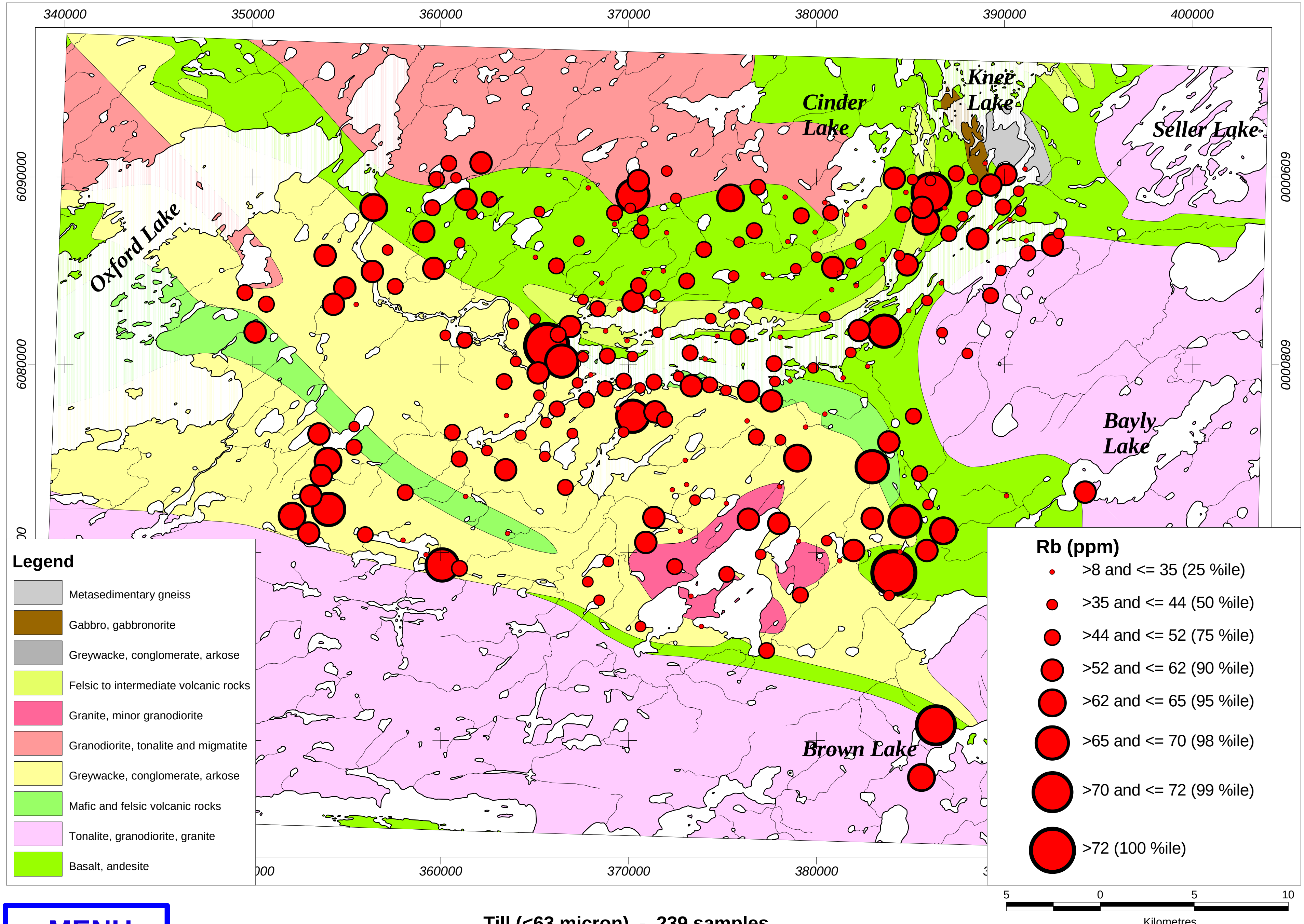
Appendix T-6-12




MENU

**Till (<63 micron) - 239 samples**
**INAA**

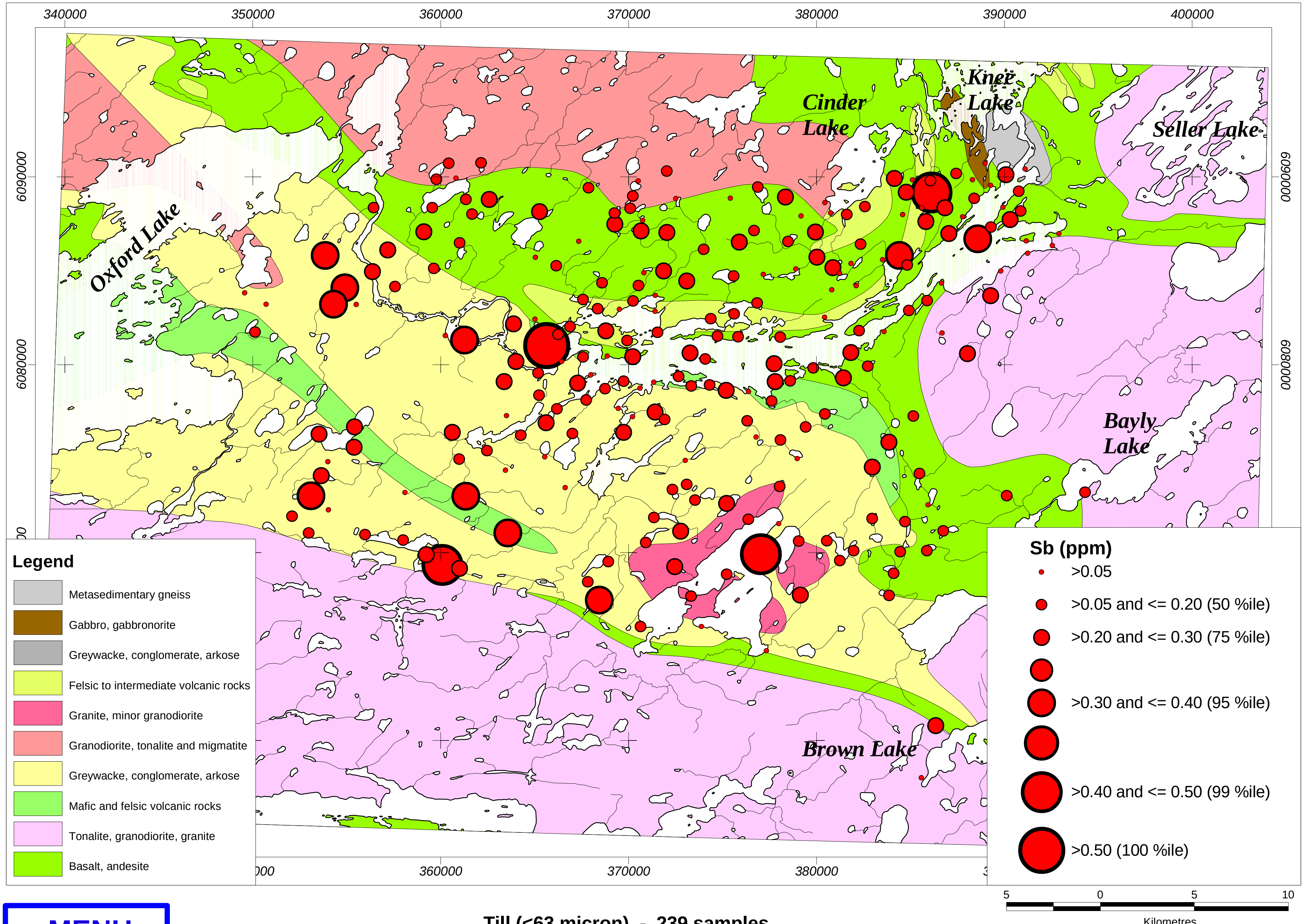
Appendix T-6-13




MENU

**Till (<63 micron) - 239 samples**
**INAA**

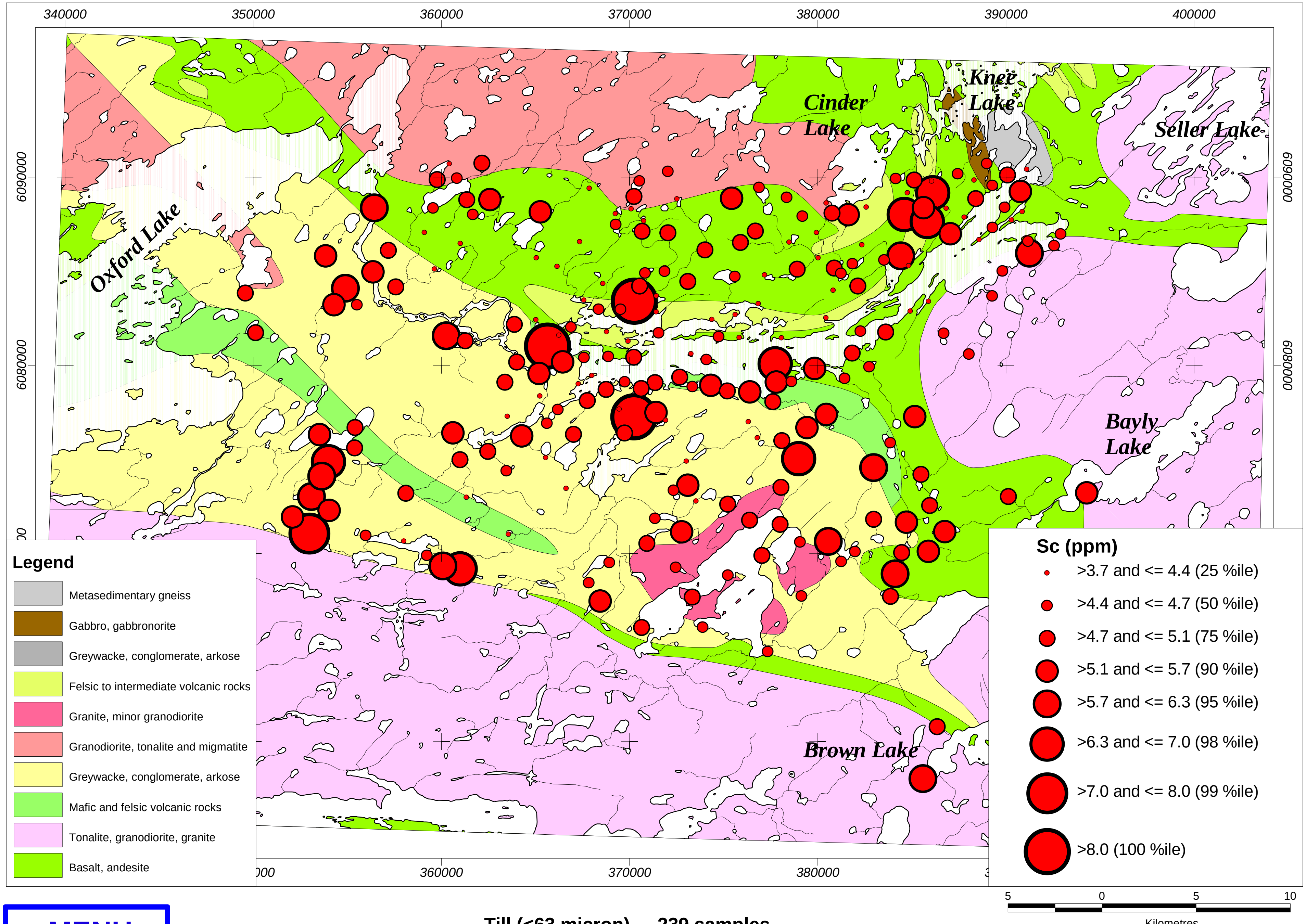
Appendix T-6-14




MENU

**Till (<63 micron) - 239 samples**
**INAA**

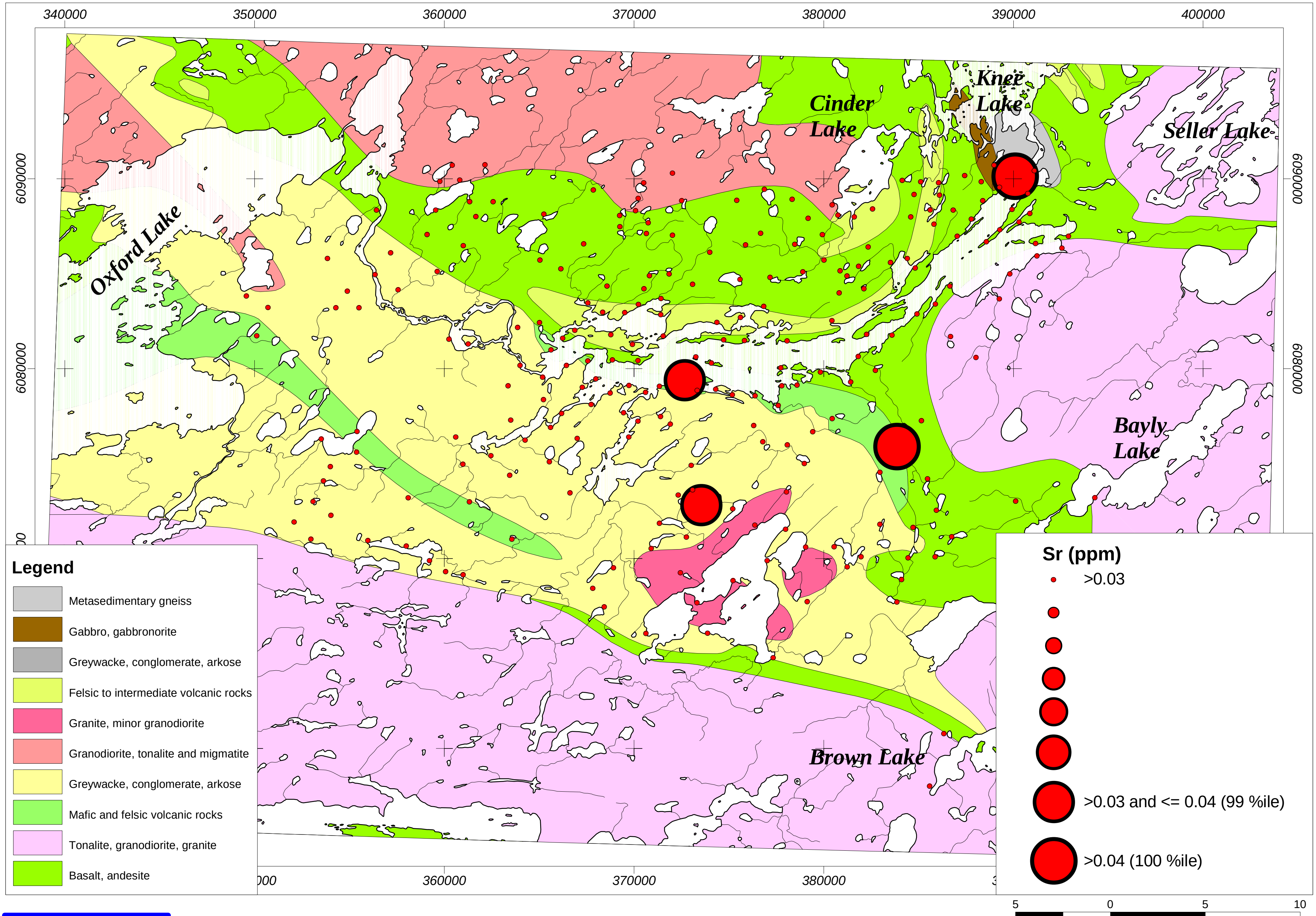
Appendix T-6-15




MENU

**Till (<63 micron) - 239 samples**
**INAA**

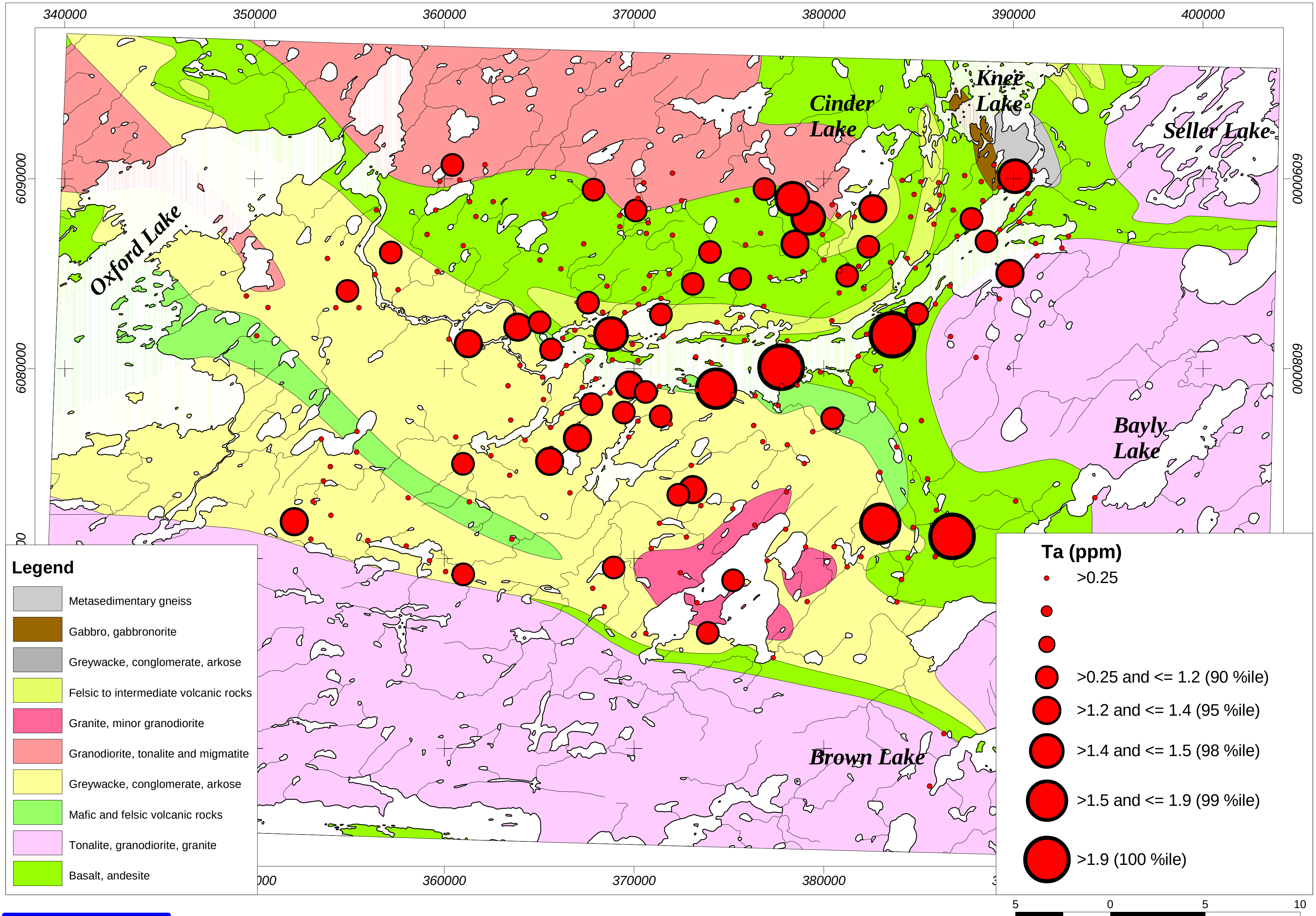
Appendix T-6-16




MENU

Till (<63 micron) - 239 samples
INAA

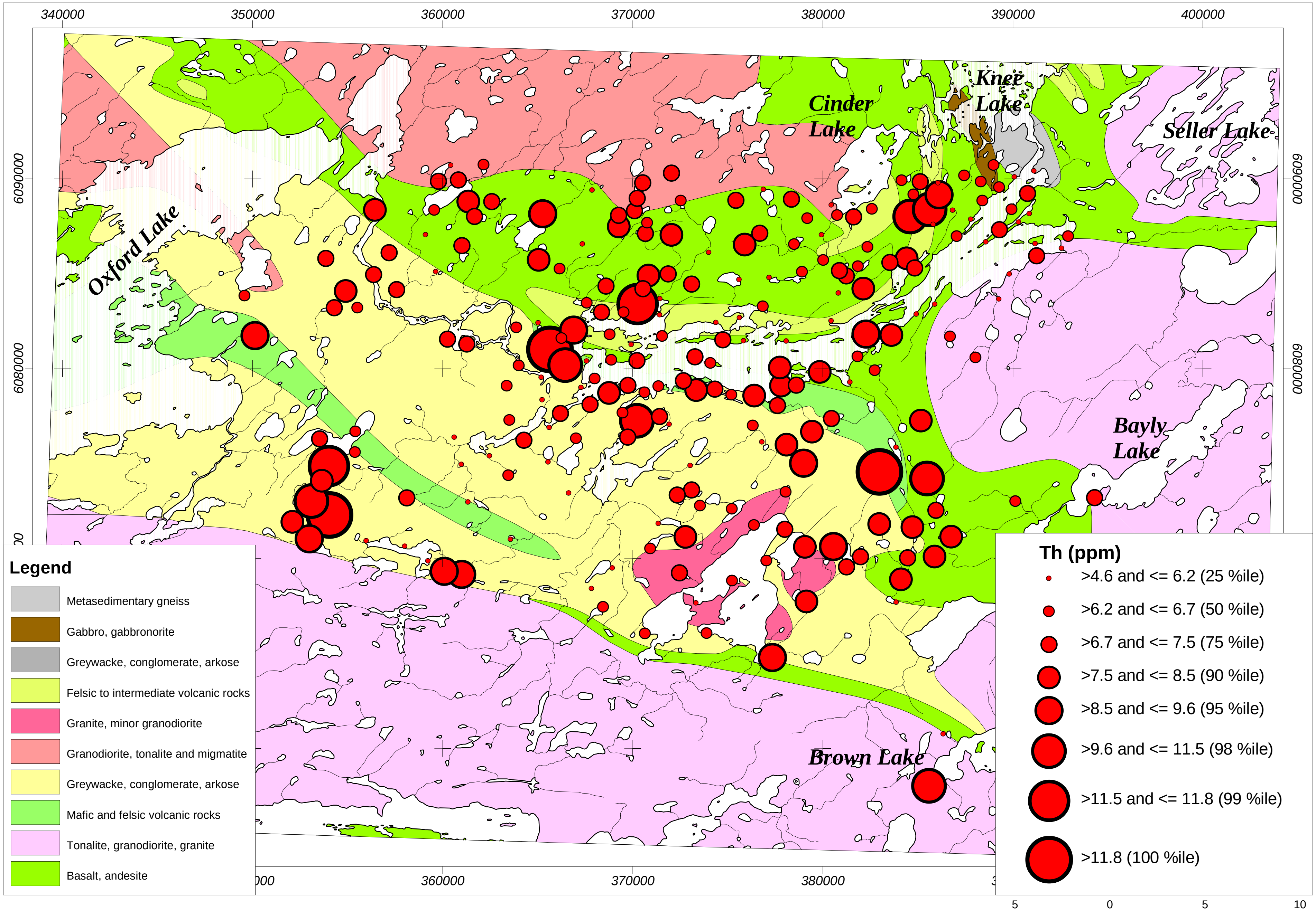
Appendix T-6-17




MENU

**Till (<63 micron) - 239 samples**
**INAA**

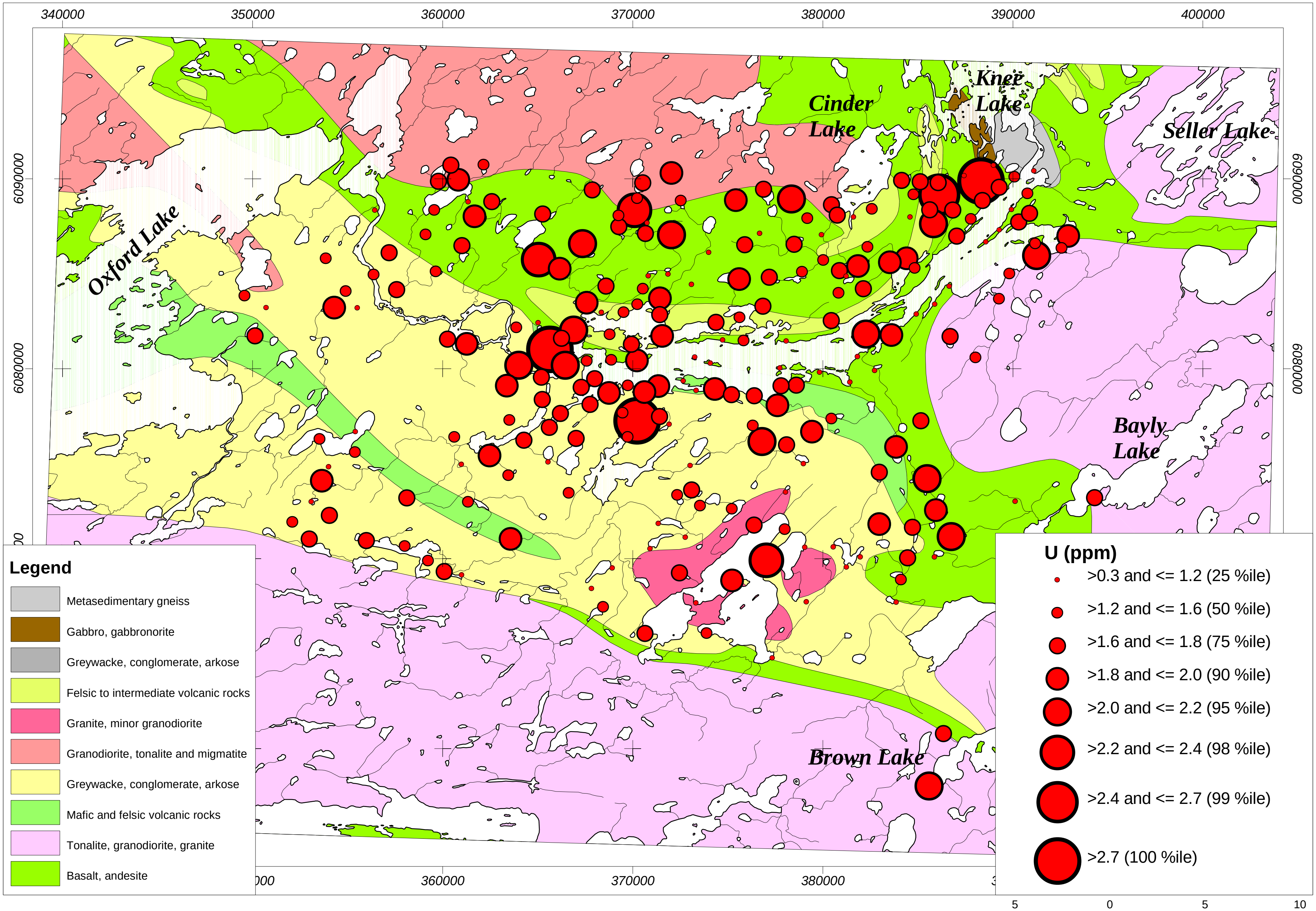
Appendix T-6-18




MENU

**Till (<63 micron) - 239 samples**
**INAA**

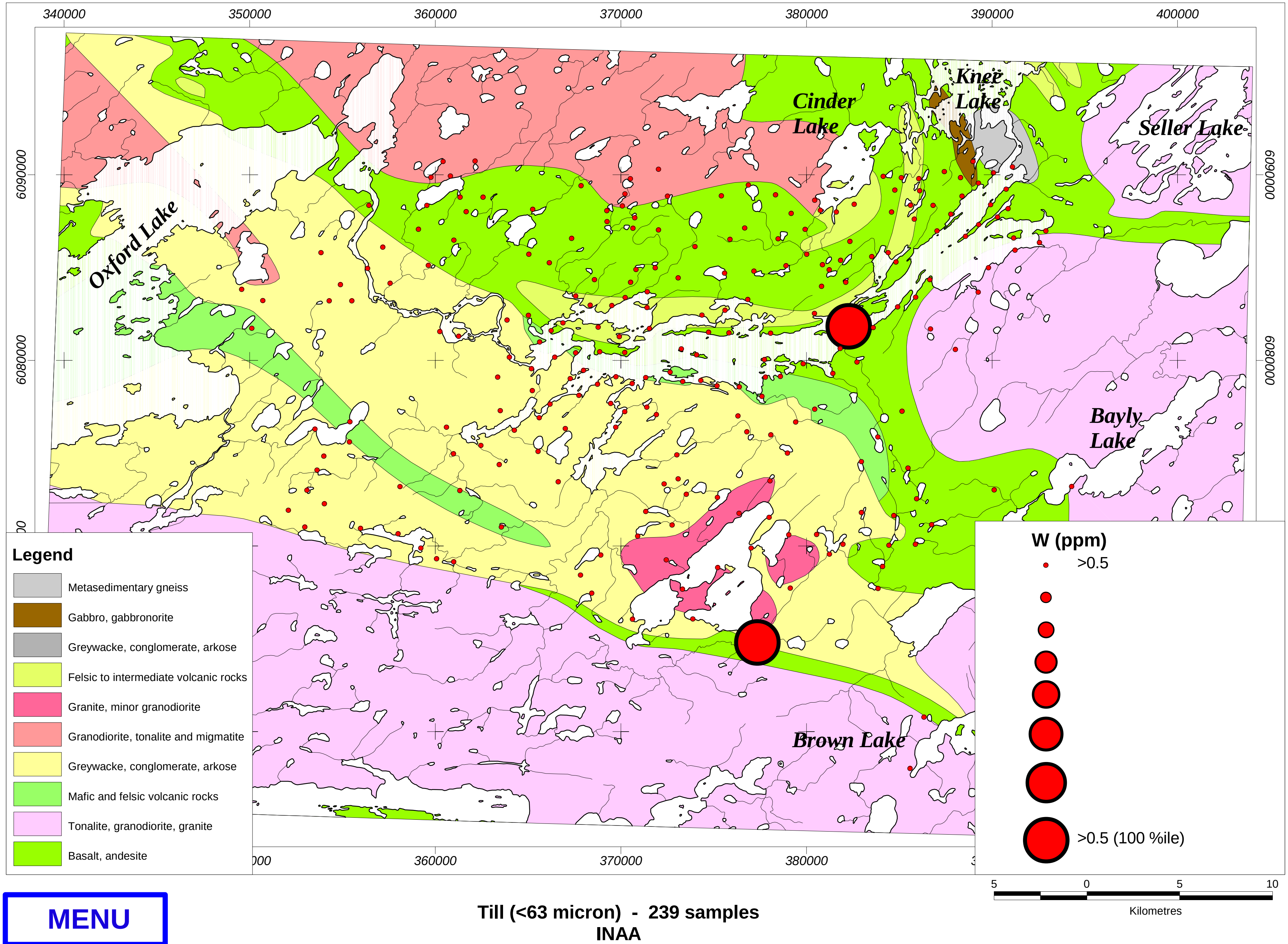
Appendix T-6-19




MENU

**Till (<63 micron) - 239 samples**
**INAA**

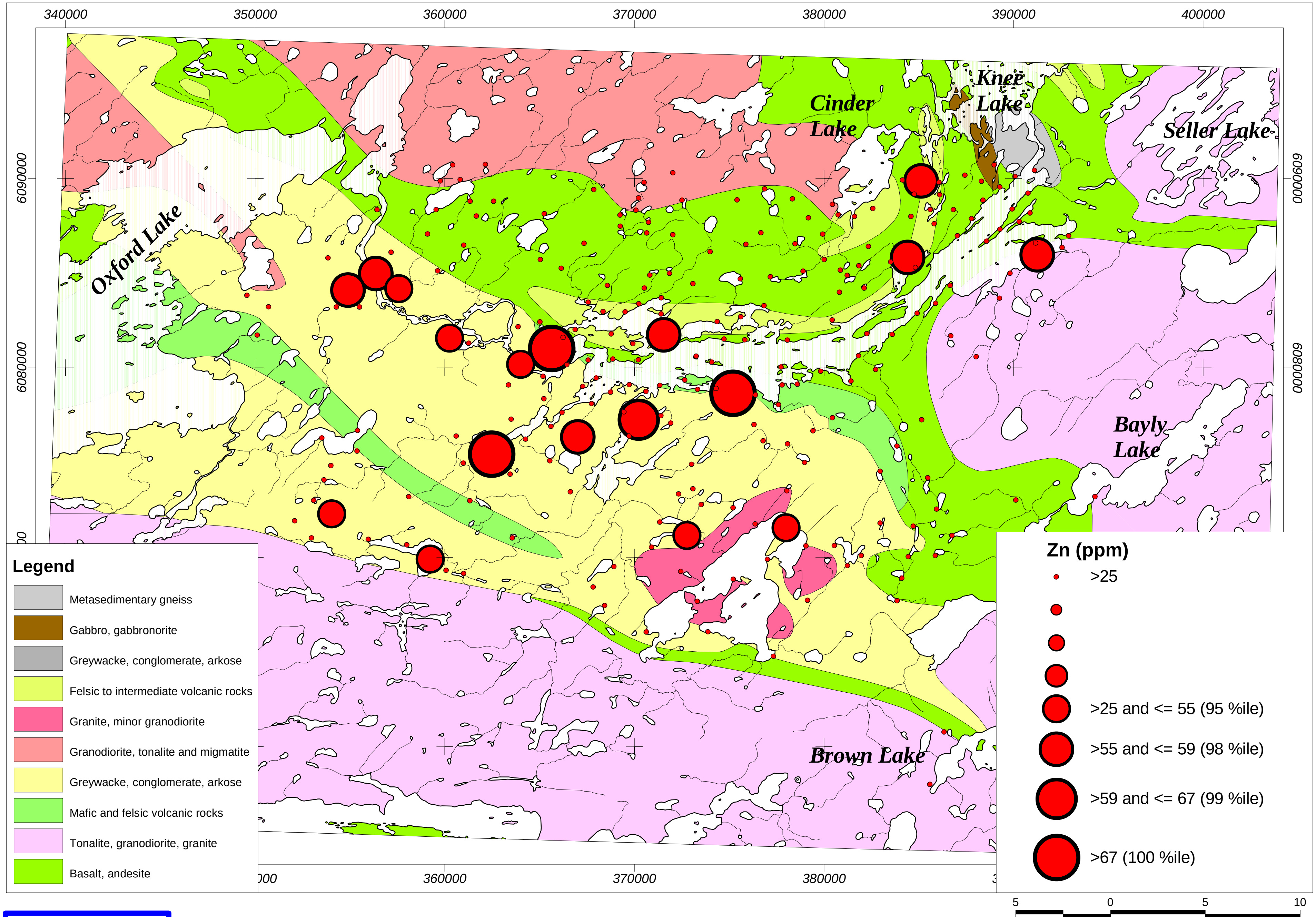
Appendix T-6-20




MENU

**Till (<63 micron) - 239 samples**
**INAA**

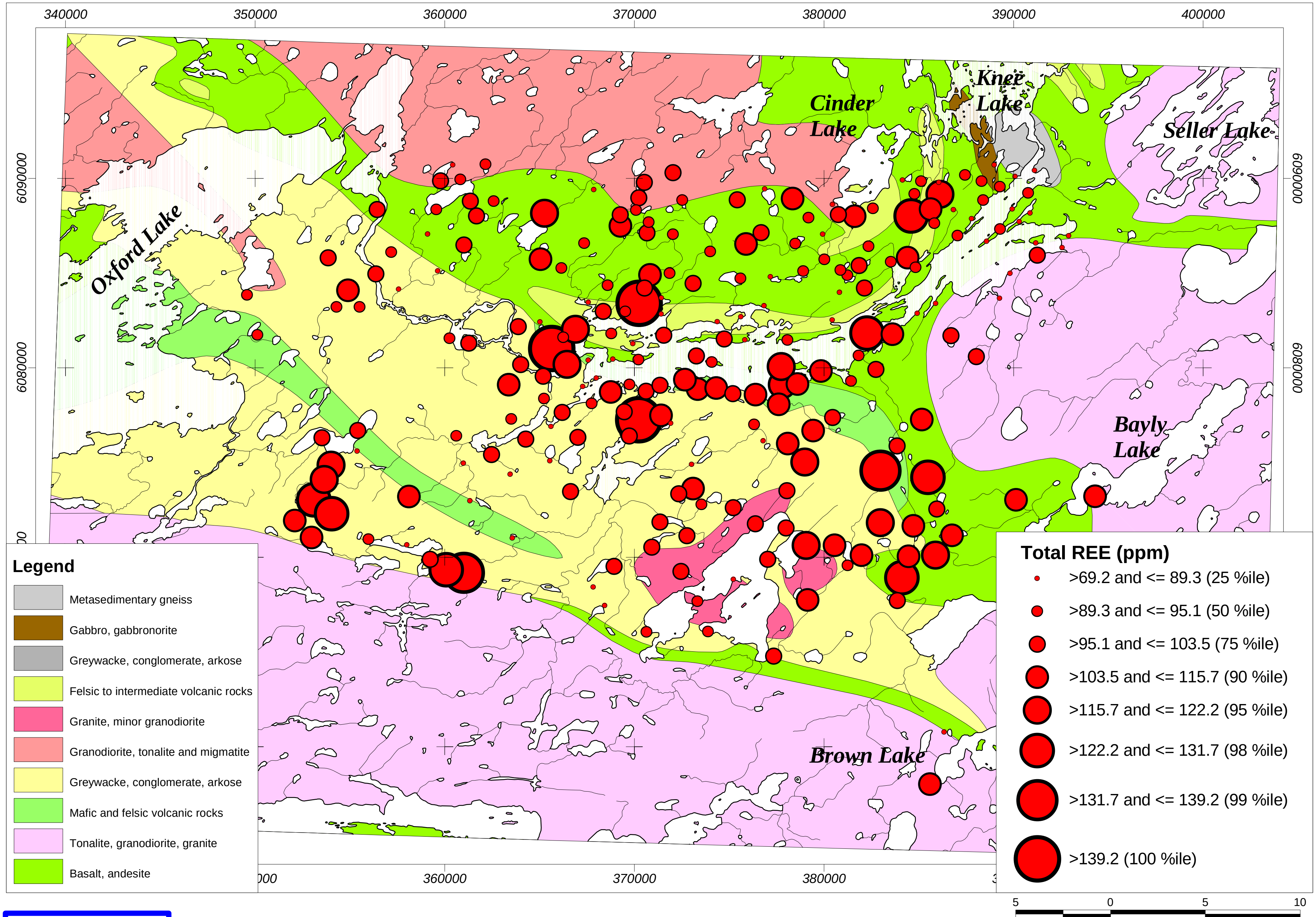
Appendix T-6-21




MENU

**Till (<63 micron) - 239 samples**
**INAA**

Appendix T-6-22




MENU

**Till (<63 micron) - 239 samples**
**INAA**

Appendix T-6-23

## Appendix T-7

# Chittick Analysis, <63 Micron Fraction Of Till Samples.

| Sample Site | UTM Easting | UTM Northing | % Calcite | % Dolomite | Total Carbonate |
|---|---|---|---|---|---|
| 69-99T-2 | 379928.11 | 6087059.58 | 15.03 | 25.38 | 40.41 |
| 69-99T-3 | 380864.52 | 6085155.70 | 17.00 | 23.57 | 40.56 |
| 69-99T-4 | 385575.87 | 6057998.38 | 21.29 | 22.66 | 43.95 |
| 69-99T-5 | 386340.97 | 6060776.00 | 19.42 | 22.21 | 41.63 |
| 69-99T-7 | 380012.55 | 6085720.22 | 21.57 | 24.58 | 46.15 |
| 69-99T-8 | 381843.70 | 6085393.08 | 19.36 | 23.57 | 42.93 |
| 69-99T-9 | 381226.37 | 6084881.63 | 19.89 | 22.21 | 42.10 |
| 69-99T-10 | 380814.98 | 6083990.92 | 16.52 | 23.57 | 40.09 |
| 69-99T-11 | 382124.73 | 6084199.82 | 18.00 | 22.21 | 40.21 |
| 69-99T-12 | 384139.45 | 6089907.45 | 18.83 | 24.93 | 43.76 |
| 69-99T-13 | 385120.09 | 6089836.36 | 18.44 | 23.11 | 41.55 |
| 69-99T-14 | 386060.67 | 6089790.62 | 18.83 | 24.93 | 43.76 |
| 69-99T-15 | 385609.68 | 6088356.80 | 10.79 | 24.93 | 35.71 |
| 69-99T-16 | 386107.09 | 6089134.20 | 8.44 | 13.14 | 21.58 |
| 69-99T-17 | 386831.55 | 6088342.61 | 17.36 | 26.29 | 43.64 |
| 69-99T-18 | 384402.98 | 6085799.86 | 14.27 | 22.54 | 36.81 |
| 69-99T-19 | 383518.94 | 6085591.65 | 15.65 | 21.75 | 37.41 |
| 69-99T-21 | 384823.47 | 6085301.09 | 23.31 | 21.68 | 44.98 |
| 69-99T-25 | 390069.10 | 6090107.94 | 22.28 | 21.75 | 44.03 |
| 69-99T-26 | 389273.35 | 6089551.83 | 22.26 | 22.21 | 44.47 |
| 69-99T-27 | 388381.58 | 6088845.50 | 15.52 | 24.93 | 40.45 |
| 69-99T-28 | 391096.14 | 6090415.34 | 27.28 | 20.20 | 47.48 |
| 69-99T-29 | 390765.20 | 6089215.18 | 13.07 | 23.70 | 36.77 |
| 69-99T-30 | 389922.08 | 6088381.30 | 15.25 | 23.79 | 39.04 |
| 69-99T-31 | 387776.64 | 6087871.04 | 22.66 | 24.01 | 46.67 |
| 69-99T-32 | 389281.25 | 6087309.72 | 16.53 | 23.50 | 40.02 |
| 69-99T-33 | 387035.08 | 6086978.20 | 18.85 | 24.43 | 43.29 |
| 69-99T-34 | 388567.46 | 6086677.37 | 19.31 | 24.89 | 44.20 |
| 69-99T-35 | 390865.79 | 6088176.15 | 21.75 | 23.09 | 44.84 |
| 69-99T-36 | 390299.61 | 6087715.51 | 19.35 | 23.98 | 43.33 |
| 69-99T-39 | 392898.97 | 6086971.53 | 17.98 | 22.59 | 40.58 |
| 69-99T-40 | 392559.91 | 6086340.04 | 14.12 | 24.44 | 38.56 |
| 69-99T-41 | 391167.56 | 6086589.75 | 17.43 | 24.42 | 41.85 |
| 69-99T-42 | 391238.39 | 6085940.29 | 17.08 | 21.67 | 38.75 |
| 69-99T-43 | 389804.68 | 6084999.49 | 10.79 | 24.82 | 35.61 |
| 69-99T-44 | 389261.00 | 6083667.72 | 17.95 | 23.54 | 41.48 |
| 69-99T-45 | 386653.33 | 6084343.11 | 25.50 | 24.04 | 49.53 |
| 69-99T-46 | 385883.41 | 6083393.71 | 20.31 | 23.53 | 43.84 |
| 69-99T-47 | 384919.22 | 6082875.51 | 14.14 | 23.93 | 38.07 |
| 69-99T-49 | 388981.01 | 6090705.90 | 18.32 | 25.80 | 44.12 |
| 69-99T-50 | 387427.39 | 6090166.15 | 13.12 | 25.75 | 38.87 |
| 69-99T-51 | 385816.88 | 6087616.81 | 0.45 | 0.46 | 0.92 |
| 69-99T-52 | 382575.20 | 6088407.01 | 13.97 | 28.05 | 42.02 |
| 69-99T-53 | 381611.17 | 6087984.39 | 18.82 | 25.35 | 44.16 |
| 69-99T-54 | 380446.70 | 6088630.40 | 20.75 | 24.46 | 45.21 |
| 69-99T-55 | 384763.43 | 6089168.41 | 18.32 | 25.80 | 44.12 |
| 69-99T-56 | 384593.57 | 6087985.36 | 14.67 | 22.56 | 37.24 |
| 69-99T-57 | 380747.02 | 6088073.86 | 20.29 | 24.02 | 44.31 |

| Sample Site | UTM | | % Calcite | % Dolomite | Total Carbonate |
|---|---|---|---|---|---|
| | Easting | Northing | | | |
| 69-99T-59 | 376870.52 | 6089445.37 | 15.58 | 23.57 | 39.14 |
| 69-99T-63 | 371851.38 | 6084985.15 | 12.74 | 23.57 | 36.30 |
| 69-99T-64 | 370818.75 | 6084894.62 | 15.73 | 25.61 | 41.33 |
| 69-99T-65 | 371421.23 | 6083690.52 | 14.99 | 26.29 | 41.28 |
| 69-99T-66 | 370239.75 | 6083375.40 | 12.38 | 32.18 | 44.56 |
| 69-99T-67 | 369512.90 | 6082951.85 | 16.90 | 25.79 | 42.69 |
| 69-99T-68 | 378482.32 | 6086547.36 | 16.96 | 24.47 | 41.43 |
| 69-99T-69 | 378901.57 | 6085104.21 | 19.44 | 21.75 | 41.19 |
| 69-99T-70 | 377176.25 | 6084802.55 | 16.94 | 24.93 | 41.87 |
| 69-99T-71 | 375594.28 | 6084702.04 | 18.44 | 23.11 | 41.55 |
| 69-99T-73 | 370656.16 | 6087109.32 | 14.39 | 23.57 | 37.96 |
| 69-99T-74 | 368347.58 | 6082970.14 | 17.94 | 23.57 | 41.51 |
| 69-99T-75 | 367566.14 | 6083452.59 | 17.41 | 24.93 | 42.34 |
| 69-99T-76 | 366875.73 | 6082011.38 | 14.56 | 25.38 | 39.93 |
| 69-99T-77 | 366237.10 | 6081599.59 | 16.52 | 23.57 | 40.09 |
| 69-99T-78 | 368777.48 | 6081793.37 | 24.21 | 20.85 | 45.06 |
| 69-99T-79 | 369918.79 | 6081283.90 | 20.31 | 23.57 | 43.88 |
| 69-99T-80 | 371536.33 | 6081711.47 | 19.84 | 23.57 | 43.40 |
| 69-99T-81 | 370746.10 | 6087688.00 | 13.63 | 24.93 | 38.55 |
| 69-99T-82 | 372516.50 | 6088851.06 | 15.38 | 24.46 | 39.84 |
| 69-99T-83 | 372026.99 | 6090288.56 | 10.67 | 25.13 | 35.80 |
| 69-99T-84 | 370517.90 | 6089778.24 | 15.43 | 23.34 | 38.77 |
| 69-99T-85 | 370224.45 | 6088963.94 | 6.48 | 25.18 | 31.66 |
| 69-99T-86 | 370086.72 | 6088310.03 | 15.88 | 23.79 | 39.67 |
| 69-99T-89 | 359762.87 | 6089860.45 | 20.19 | 21.54 | 41.73 |
| 69-99T-90 | 360419.16 | 6090713.89 | 16.82 | 23.79 | 40.60 |
| 69-99T-91 | 367854.62 | 6089411.77 | 12.62 | 23.34 | 35.96 |
| 69-99T-93 | 360817.18 | 6089935.46 | 20.11 | 23.34 | 43.45 |
| 69-99T-94 | 361334.61 | 6088793.40 | 17.40 | 21.10 | 38.49 |
| 69-99T-95 | 359548.28 | 6088342.12 | 17.83 | 24.13 | 41.96 |
| 69-99T-97 | 361670.11 | 6088011.47 | 17.99 | 24.89 | 42.88 |
| 69-99T-98 | 360997.64 | 6086474.25 | 19.96 | 22.22 | 42.18 |
| 69-99T-102 | 365042.73 | 6085719.91 | 13.46 | 22.22 | 35.68 |
| 69-99T-104 | 365252.32 | 6088140.42 | 18.60 | 21.33 | 39.94 |
| 69-99T-105 | 369243.39 | 6088065.28 | 18.12 | 21.78 | 39.90 |
| 69-99T-106 | 369259.00 | 6087478.80 | 16.60 | 24.89 | 41.49 |
| 69-99T-107 | 367342.33 | 6086563.25 | 12.86 | 22.89 | 35.75 |
| 69-99T-108 | 366150.70 | 6085252.06 | 17.12 | 23.56 | 40.67 |
| 69-99T-109 | 368585.13 | 6084340.09 | 17.51 | 25.34 | 42.84 |
| 69-99T-111 | 371414.93 | 6082844.68 | 19.47 | 22.67 | 42.14 |
| 69-99T-113 | 374372.83 | 6082434.83 | 19.80 | 24.47 | 44.27 |
| 69-99T-114 | 375612.85 | 6082701.79 | 16.92 | 25.38 | 42.30 |
| 69-99T-115 | 376837.58 | 6083283.99 | 14.12 | 24.47 | 38.59 |
| 69-99T-118 | 380435.24 | 6082526.84 | 14.10 | 24.93 | 39.03 |
| 69-99T-121 | 356420.52 | 6088346.81 | 18.49 | 21.75 | 40.25 |
| 69-99T-123 | 357174.69 | 6086097.90 | 16.96 | 24.47 | 41.43 |
| 69-99T-124 | 362147.22 | 6090729.66 | 16.25 | 24.47 | 40.72 |
| 69-99T-125 | 362574.30 | 6088793.60 | 16.52 | 23.57 | 40.09 |
| 69-99T-126 | 359632.73 | 6085112.70 | 16.43 | 25.83 | 42.26 |
| 69-99T-127 | 359088.91 | 6087067.02 | 14.64 | 23.34 | 37.98 |
| 69-99T-131 | 356359.18 | 6084946.56 | 18.97 | 21.75 | 40.72 |
| 69-99T-134 | 353845.36 | 6085793.03 | 18.20 | 23.08 | 41.28 |
| 69-99T-135 | 354883.31 | 6084079.64 | 17.53 | 22.21 | 39.73 |
| 69-99T-136 | 349567.90 | 6083833.12 | 15.16 | 22.21 | 37.37 |
| 69-99T-139 | 357564.78 | 6084160.24 | 23.94 | 21.53 | 45.47 |
| 69-99T-140 | 363864.01 | 6082169.82 | 18.44 | 23.11 | 41.55 |

| Sample Site | UTM | | % Calcite | % Dolomite | Total Carbonate |
|---|---|---|---|---|---|
| | Easting | Northing | | | |
| 69-99T-142 | 361255.11 | 6081288.51 | 19.84 | 23.57 | 43.40 |
| 69-99T-145 | 365012.13 | 6082425.90 | 14.67 | 26.36 | 41.03 |
| 69-99T-146 | 388300.25 | 6089844.48 | 15.34 | 25.53 | 40.87 |
| 69-99T-147 | 382347.59 | 6086399.71 | 14.75 | 28.25 | 43.00 |
| 69-99T-148 | 373091.61 | 6084449.15 | 18.75 | 22.44 | 41.19 |
| 69-99T-149 | 370525.75 | 6084197.53 | 15.47 | 22.44 | 37.91 |
| 69-99T-150 | 378340.48 | 6088920.71 | 16.19 | 25.83 | 42.02 |
| 69-99T-151 | 379171.14 | 6087918.37 | 18.87 | 24.02 | 42.89 |
| 69-99T-152 | 375414.93 | 6088856.96 | 15.16 | 22.21 | 37.37 |
| 69-99T-154 | 376668.36 | 6087121.26 | 14.16 | 23.57 | 37.72 |
| 69-99T-155 | 375877.60 | 6086516.58 | 9.77 | 26.74 | 36.51 |
| 69-99T-156 | 373995.52 | 6086125.05 | 18.47 | 22.21 | 40.68 |
| 69-99T-157 | 372027.71 | 6087027.04 | 13.65 | 24.47 | 38.12 |
| 69-99T-201 | 371334.99 | 6079065.23 | 15.14 | 22.66 | 37.80 |
| 69-99T-202 | 370612.18 | 6078749.88 | 18.85 | 24.47 | 43.32 |
| 69-99T-203 | 369733.49 | 6079116.31 | 18.95 | 22.21 | 41.15 |
| 69-99T-204 | 368745.75 | 6078704.52 | 16.01 | 24.47 | 40.49 |
| 69-99T-205 | 367736.72 | 6078107.25 | 14.60 | 24.21 | 38.81 |
| 69-99T-206 | 366185.42 | 6077629.58 | 20.31 | 23.57 | 43.88 |
| 69-99T-207 | 370205.14 | 6080422.95 | 18.38 | 24.47 | 42.85 |
| 69-99T-208 | 365599.84 | 6076900.47 | 15.94 | 26.29 | 42.22 |
| 69-99T-209 | 367275.47 | 6079004.52 | 14.59 | 24.47 | 39.07 |
| 69-99T-210 | 367991.68 | 6079460.20 | 16.09 | 22.66 | 38.75 |
| 69-99T-211 | 368856.57 | 6080449.74 | 17.49 | 23.11 | 40.60 |
| 69-99T-212 | 367569.80 | 6080402.33 | 18.45 | 22.66 | 41.11 |
| 69-99T-213 | 365183.13 | 6079542.10 | 14.00 | 23.93 | 37.93 |
| 69-99T-214 | 360603.87 | 6076390.98 | 15.49 | 21.91 | 37.39 |
| 69-99T-215 | 360976.40 | 6074963.41 | 10.20 | 25.03 | 35.23 |
| 69-99T-218 | 363444.79 | 6074383.10 | 19.67 | 22.85 | 42.52 |
| 69-99T-219 | 367825.77 | 6068425.98 | 14.47 | 23.94 | 38.40 |
| 69-99T-220 | 368431.98 | 6067452.60 | 21.54 | 22.87 | 44.41 |
| 69-99T-221 | 360246.41 | 6081552.52 | 18.75 | 22.39 | 41.14 |
| 69-99T-223 | 355505.67 | 6083205.01 | 22.46 | 23.33 | 45.79 |
| 69-99T-224 | 350117.78 | 6081716.84 | 23.17 | 28.78 | 51.95 |
| 69-99T-225 | 350702.40 | 6083206.61 | 16.82 | 23.73 | 40.55 |
| 69-99T-226 | 354277.47 | 6083205.79 | 20.15 | 22.40 | 42.56 |
| 69-99T-227 | 355381.59 | 6075600.60 | 16.93 | 21.01 | 37.94 |
| 69-99T-228 | 353986.25 | 6074843.74 | 17.40 | 22.94 | 40.34 |
| 69-99T-229 | 353511.14 | 6076295.59 | 16.99 | 19.65 | 36.64 |
| 69-99T-230 | 355405.44 | 6076684.24 | 19.72 | 21.52 | 41.24 |
| 69-99T-233 | 353080.39 | 6072997.78 | 19.38 | 18.40 | 37.79 |
| 69-99T-234 | 352085.67 | 6071913.45 | 21.62 | 20.87 | 42.49 |
| 69-99T-235 | 352971.33 | 6071021.91 | 20.43 | 15.71 | 36.14 |
| 69-99T-236 | 375222.72 | 6068829.48 | 24.50 | 19.30 | 43.80 |
| 69-99T-237 | 373322.15 | 6067669.32 | 20.25 | 20.20 | 40.44 |
| 69-99T-238 | 372452.18 | 6069244.38 | 18.31 | 21.54 | 39.86 |
| 69-99T-239 | 368922.50 | 6069508.74 | 20.23 | 20.65 | 40.87 |
| 69-99T-240 | 370909.02 | 6070515.51 | 21.13 | 21.54 | 42.67 |
| 69-99T-241 | 372758.61 | 6071129.61 | 19.70 | 21.99 | 41.69 |
| 69-99T-242 | 370633.94 | 6066046.81 | 18.16 | 20.89 | 39.05 |
| 69-99T-243 | 373883.08 | 6066058.33 | 19.96 | 22.22 | 42.18 |
| 69-99T-245 | 373013.86 | 6074903.92 | 13.38 | 24.00 | 37.39 |
| 69-99T-246 | 375209.93 | 6072610.07 | 16.21 | 23.11 | 39.32 |
| 69-99T-248 | 363998.87 | 6080166.06 | 18.55 | 22.67 | 41.21 |
| 69-99T-249 | 366434.90 | 6080165.02 | 19.47 | 22.67 | 42.14 |
| 69-99T-250 | 365625.09 | 6080983.27 | 6.71 | 11.56 | 18.27 |

| Sample Site | UTM | | % Calcite | % Dolomite | Total Carbonate |
|---|---|---|---|---|---|
| | Easting | Northing | | | |
| 69-99T-251 | 369454.61 | 6077674.80 | 14.22 | 26.22 | 40.44 |
| 69-99T-252 | 370212.70 | 6077226.07 | 15.12 | 17.64 | 32.76 |
| 69-99T-253 | 369727.62 | 6076391.19 | 10.58 | 24.45 | 35.03 |
| 69-99T-260 | 359223.52 | 6069883.78 | 23.19 | 22.67 | 45.85 |
| 69-99T-261 | 360063.93 | 6069315.74 | 10.19 | 22.67 | 32.86 |
| 69-99T-262 | 355969.59 | 6070935.17 | 16.78 | 24.64 | 41.42 |
| 69-99T-263 | 357994.39 | 6070646.49 | 12.92 | 27.32 | 40.24 |
| 69-99T-264 | 360989.77 | 6069149.40 | 11.25 | 22.32 | 33.57 |
| 69-99T-265 | 361329.67 | 6072980.83 | 15.80 | 25.54 | 41.34 |
| 69-99T-266 | 363559.03 | 6071022.97 | 17.21 | 25.55 | 42.76 |
| 69-99T-267 | 377020.28 | 6069882.33 | 20.22 | 20.84 | 41.06 |
| 69-99T-268 | 379044.14 | 6070599.95 | 10.26 | 23.67 | 33.93 |
| 69-99T-269 | 376364.81 | 6071760.41 | 20.70 | 20.59 | 41.29 |
| 69-99T-271 | 383858.83 | 6067703.50 | 17.75 | 23.74 | 41.49 |
| 69-99T-272 | 384102.61 | 6068885.27 | 18.34 | 21.03 | 39.36 |
| 69-99T-273 | 380547.15 | 6070612.20 | 16.87 | 22.37 | 39.25 |
| 69-99T-274 | 382955.22 | 6071800.72 | 9.36 | 22.76 | 32.12 |
| 69-99T-275 | 381967.41 | 6070087.68 | 5.97 | 25.44 | 31.41 |
| 69-99T-276 | 385148.66 | 6077248.38 | 12.87 | 22.79 | 35.66 |
| 69-99T-277 | 386690.16 | 6081682.14 | 17.79 | 22.83 | 40.63 |
| 69-99T-278 | 388023.91 | 6080577.61 | 16.87 | 22.37 | 39.25 |
| 69-99T-279 | 376310.70 | 6077007.87 | 13.08 | 23.52 | 36.60 |
| 69-99T-281 | 379124.40 | 6067728.11 | 16.37 | 23.27 | 39.64 |
| 69-99T-282 | 382727.20 | 6079909.30 | 17.79 | 22.83 | 40.63 |
| 69-99T-284 | 383840.14 | 6075866.88 | 16.33 | 24.18 | 40.51 |
| 69-99T-285 | 382958.94 | 6074543.38 | 20.60 | 22.89 | 43.49 |
| 69-99T-286 | 385475.05 | 6074190.49 | 13.53 | 23.79 | 37.32 |
| 69-99T-287 | 385938.09 | 6072538.35 | 16.78 | 24.69 | 41.46 |
| 69-99T-288 | 384706.93 | 6071638.97 | 18.71 | 23.34 | 42.05 |
| 69-99T-289 | 384447.42 | 6070035.32 | 18.76 | 21.99 | 40.76 |
| 69-99T-290 | 385875.21 | 6070091.77 | 21.65 | 20.20 | 41.85 |
| 69-99T-291 | 386749.94 | 6071142.51 | 18.29 | 19.67 | 37.96 |
| 69-99T-292 | 372658.22 | 6079359.51 | 18.14 | 23.11 | 41.25 |
| 69-99T-293 | 373332.21 | 6078856.12 | 16.71 | 24.47 | 41.18 |
| 69-99T-294 | 374312.89 | 6078921.40 | 13.38 | 22.88 | 36.25 |
| 69-99T-295 | 375182.62 | 6078624.03 | 14.62 | 27.45 | 42.07 |
| 69-99T-296 | 376386.81 | 6078570.83 | 15.71 | 24.25 | 39.96 |
| 69-99T-297 | 377606.00 | 6078057.09 | 16.21 | 23.79 | 40.00 |
| 69-99T-298 | 377794.68 | 6079094.31 | 17.20 | 22.88 | 40.08 |
| 69-99T-299 | 377733.77 | 6080049.38 | 10.06 | 24.13 | 34.19 |
| 69-99T-300 | 383601.49 | 6081754.27 | 16.49 | 24.47 | 40.96 |
| 69-99T-301 | 382264.75 | 6081807.41 | 14.67 | 22.66 | 37.33 |
| 69-99T-302 | 381825.16 | 6080640.92 | 13.54 | 21.46 | 35.00 |
| 69-99T-303 | 381419.93 | 6079292.48 | 17.47 | 23.57 | 41.04 |
| 69-99T-304 | 379828.87 | 6079816.74 | 13.72 | 22.66 | 36.38 |
| 69-99T-305 | 373257.01 | 6080611.99 | 18.17 | 25.10 | 43.27 |
| 69-99T-306 | 374075.08 | 6080290.59 | 15.36 | 25.08 | 40.43 |
| 69-99T-308 | 378593.33 | 6079122.68 | 17.25 | 24.64 | 41.89 |
| 69-99T-310 | 378075.60 | 6081454.42 | 14.40 | 25.52 | 39.92 |
| 69-99T-311 | 375825.45 | 6081477.33 | 16.25 | 26.03 | 42.29 |
| 69-99T-312 | 374729.14 | 6081514.74 | 12.54 | 25.13 | 37.68 |
| 69-99T-314 | 380441.27 | 6077362.52 | 21.64 | 19.94 | 41.58 |
| 69-99T-315 | 379424.91 | 6076667.36 | 23.55 | 19.71 | 43.26 |
| 69-99T-316 | 378083.67 | 6075976.30 | 20.39 | 21.75 | 42.14 |
| 69-99T-317 | 378975.05 | 6075002.82 | 7.00 | 23.27 | 30.26 |
| 69-99T-319 | 377992.28 | 6071532.08 | 20.72 | 20.14 | 40.86 |

| Sample Site | UTM | | % Calcite | % Dolomite | Total Carbonate |
|---|---|---|---|---|---|
| | Easting | Northing | | | |
| 69-99T-320 | 378032.77 | 6073502.62 | 18.34 | 21.03 | 39.36 |
| 69-99T-322 | 376788.52 | 6076148.06 | 13.46 | 25.51 | 38.98 |
| 69-99T-324 | 374135.50 | 6077562.68 | 13.86 | 27.33 | 41.19 |
| 69-99T-325 | 371909.21 | 6077077.66 | 17.32 | 22.83 | 40.15 |
| 69-99T-326 | 371394.88 | 6077468.54 | 18.50 | 22.65 | 41.15 |
| 69-99T-327 | 365544.89 | 6075097.76 | 20.58 | 23.34 | 43.92 |
| 69-99T-328 | 366630.37 | 6073449.41 | 17.79 | 22.89 | 40.68 |
| 69-99T-329 | 373524.62 | 6072776.30 | 16.62 | 22.89 | 39.51 |
| 69-99T-330 | 373090.65 | 6073609.38 | 22.01 | 22.89 | 44.90 |
| 69-99T-331 | 372325.83 | 6073335.34 | 20.17 | 21.99 | 42.16 |
| 69-99T-332 | 371343.79 | 6071847.26 | 19.16 | 23.79 | 42.95 |
| 69-99T-334 | 353630.41 | 6074080.73 | 16.42 | 21.91 | 38.34 |
| 69-99T-335 | 354026.13 | 6072263.97 | 19.96 | 26.93 | 46.90 |
| 69-99T-338 | 358097.38 | 6073183.12 | 15.41 | 23.72 | 39.13 |
| 69-99T-341 | 363366.15 | 6079087.77 | 16.94 | 24.93 | 41.87 |
| 69-99T-343 | 365228.31 | 6078367.51 | 17.53 | 22.21 | 39.73 |
| 69-99T-344 | 364266.45 | 6076224.84 | 13.67 | 24.02 | 37.69 |
| 69-99T-345 | 362453.17 | 6075416.23 | 15.56 | 24.02 | 39.58 |
| 69-99T-346 | 363508.62 | 6077282.57 | 13.84 | 27.78 | 41.62 |
| 69-99T-347 | 390123.06 | 6073013.81 | 15.92 | 22.82 | 38.73 |
| 69-99T-349 | 394290.85 | 6073197.89 | 15.88 | 23.72 | 39.60 |
| 69-99T-350 | 381237.22 | 6069551.39 | 15.37 | 24.62 | 40.00 |
| 69-99T-351 | 377332.39 | 6064774.37 | 22.64 | 30.13 | 52.78 |

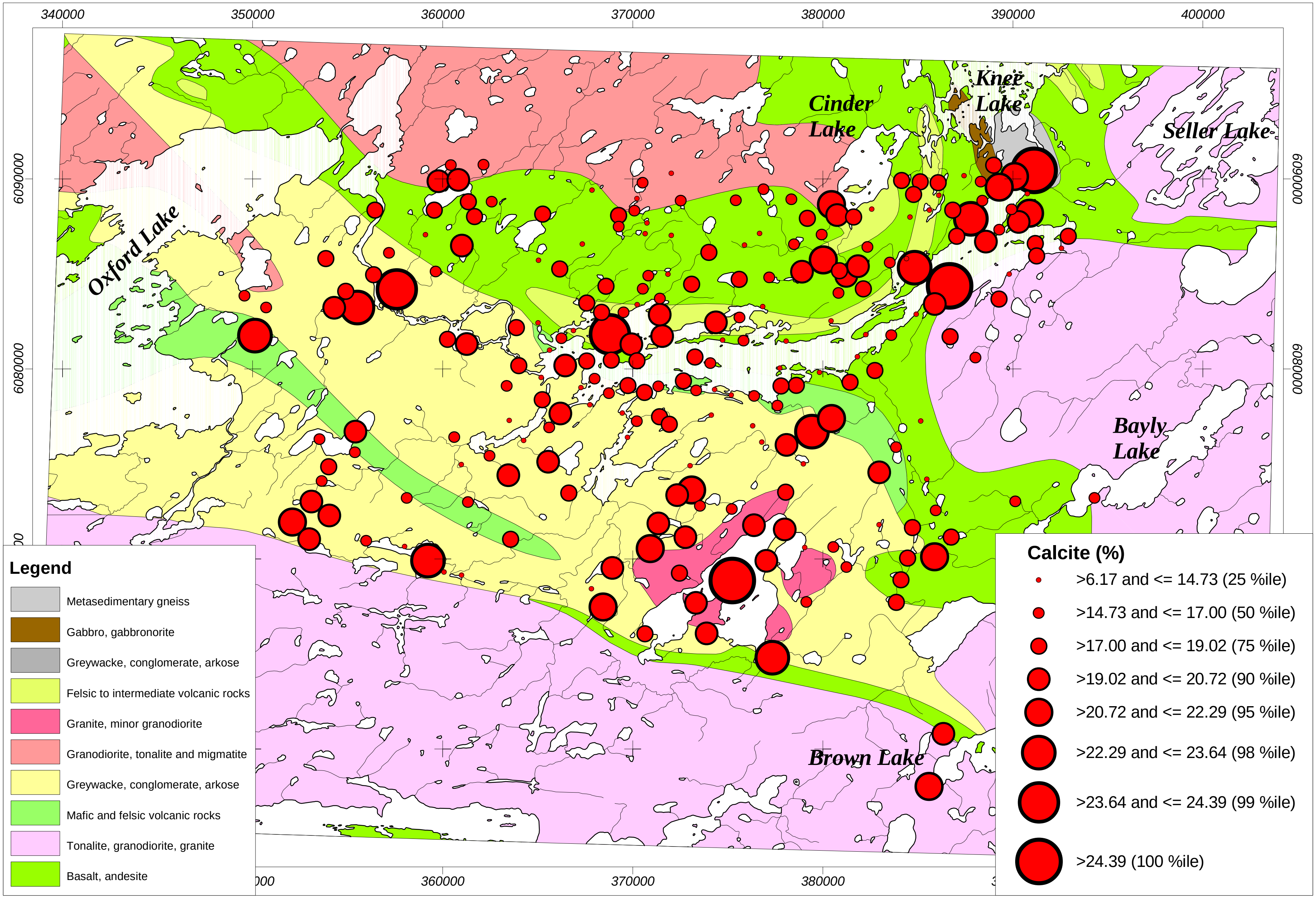
Appendix T-8: Chittick Analysis, Percentile Bubble Plots (<63 Micron Fraction).

**Calcite**

**Dolomite**

**Total Carbonate**

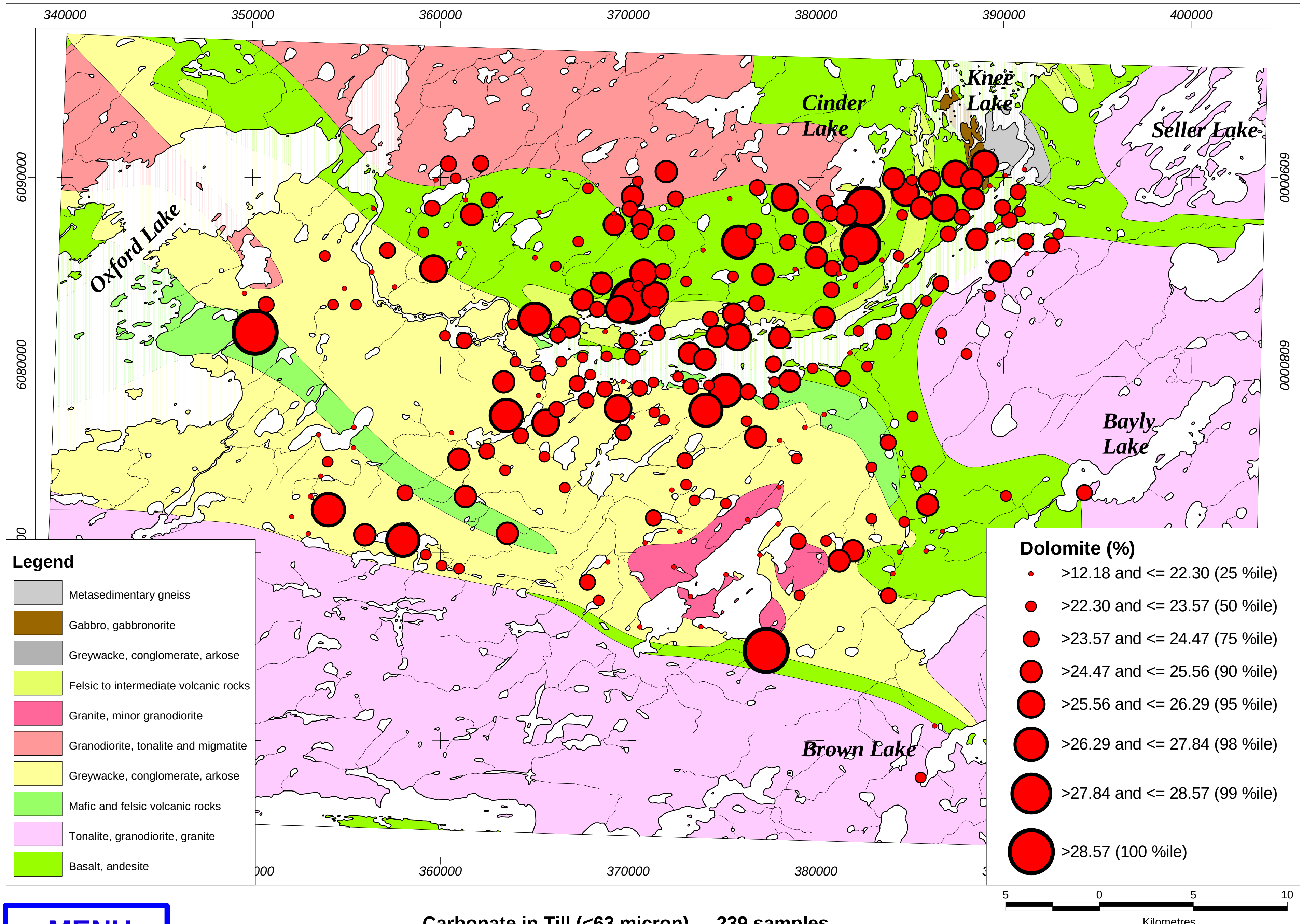
**CONTENTS**




MENU

**Carbonate in Till (<63 micron) - 239 samples**
**Chittick analysis**

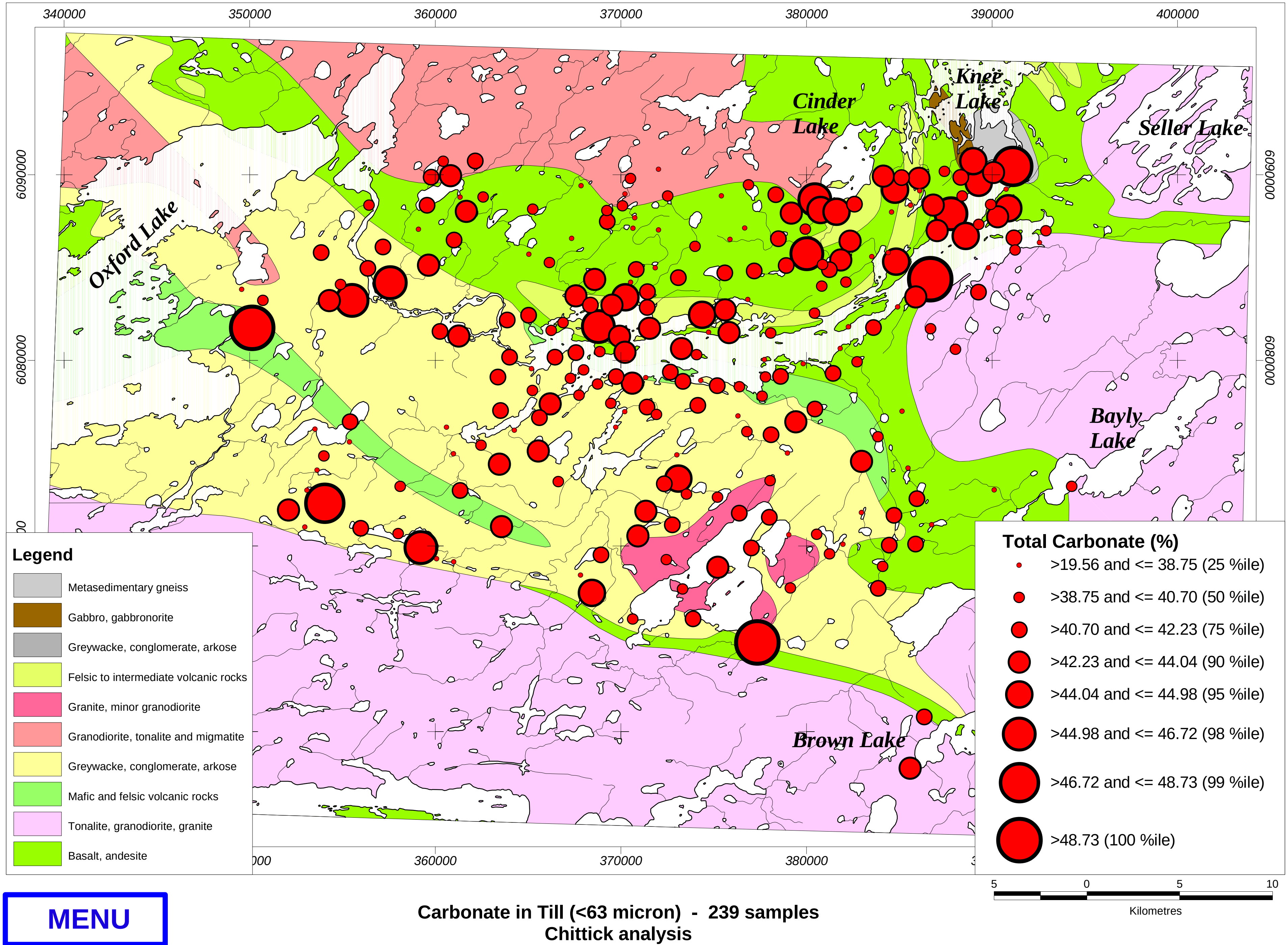
Appendix T-8-1




MENU

**Carbonate in Till (<63 micron) - 239 samples**
**Chittick analysis**

Appendix T-8-2




MENU

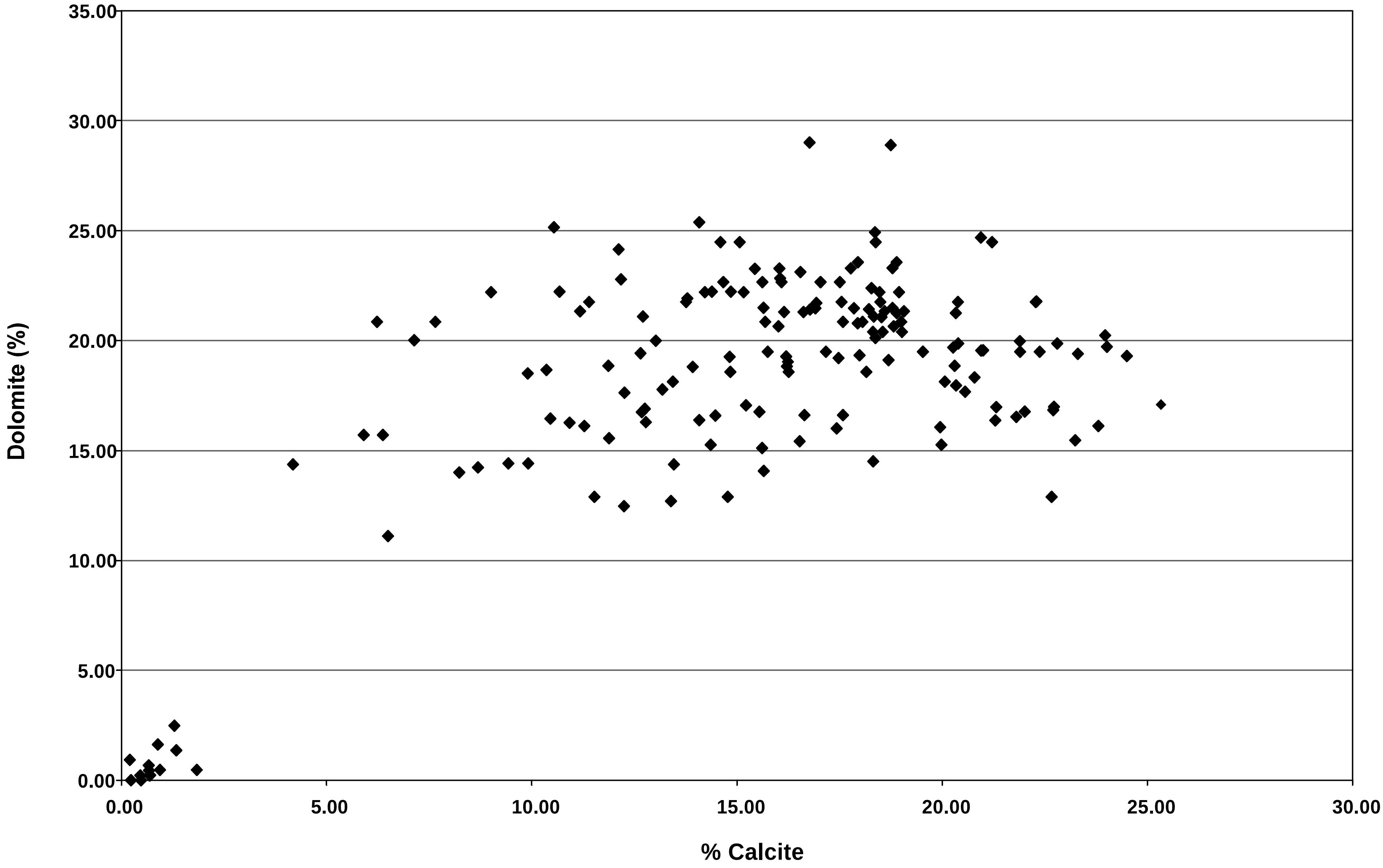
**Carbonate in Till (<63 micron) - 239 samples**
**Chittick analysis**

Appendix T-8-3

Appendix T-9: Plot Of Calcite Vs. Dolomite For The Till Samples For The 1999 Survey.

**Calcite vs Dolomite**

**CONTENTS**

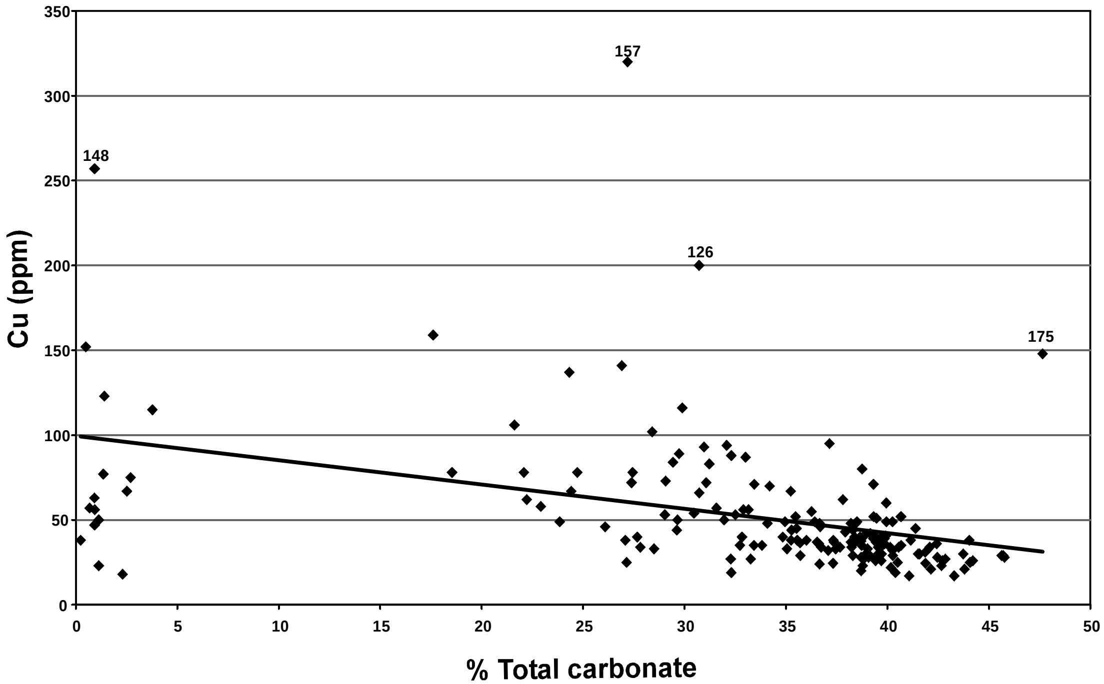


Dolomite (%)
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
0.00
5.00
10.00
15.00
20.00
25.00
30.00
% Calcite

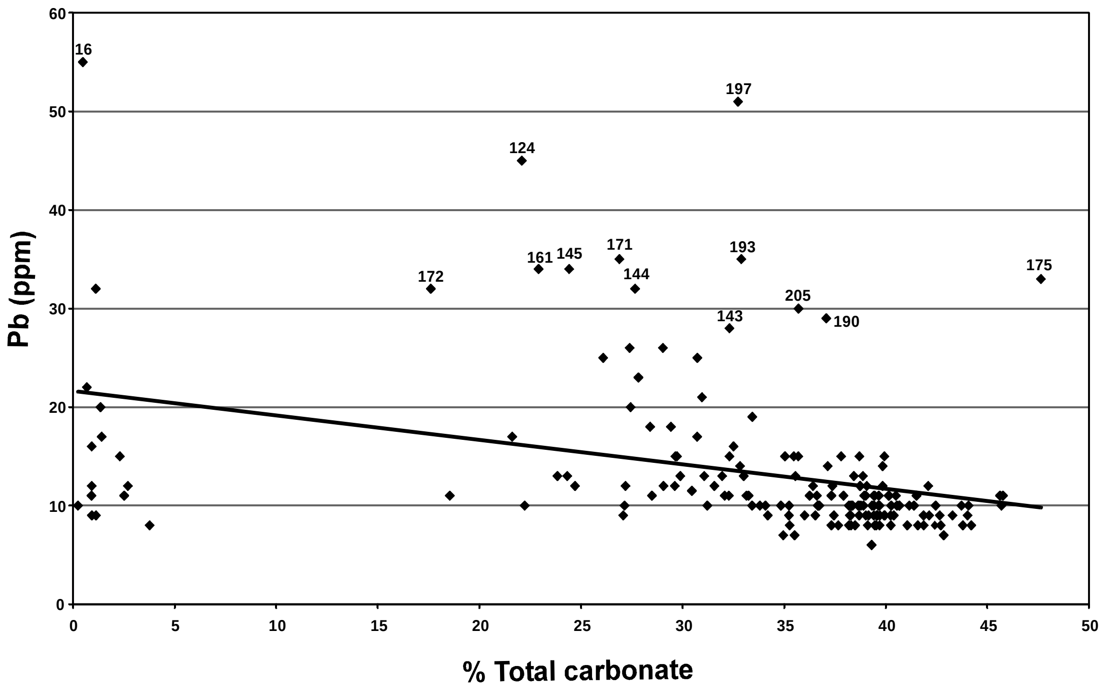
Appendix T-10: Plot Of Total Carbonate Vs. Geochemistry Of Selected Elements For The Clay-Sized (<2 Micron) Fraction.

| | | | | |
|---|---|---|---|---|
| **Cu** | **Pb** | **Zn** | **Ni** | **Co** |
| **Fe** | **Mn** | **Ba** | **Cr** | **V** |
| **Hg** | **La** | **Al** | **Mg** | **Na** |
| **K** | **Sr** | **Y** | **Li** | **Nb** |
| **Sc** | **Ti** | **Zr** | **As (hydride)** | |

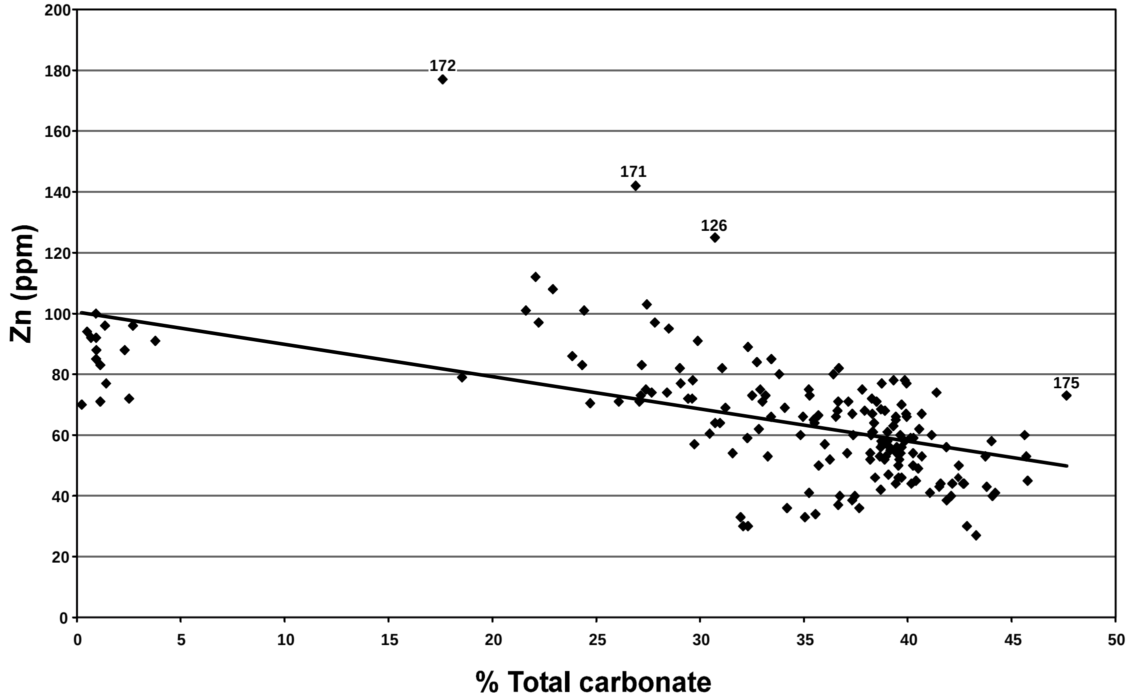
**CONTENTS**



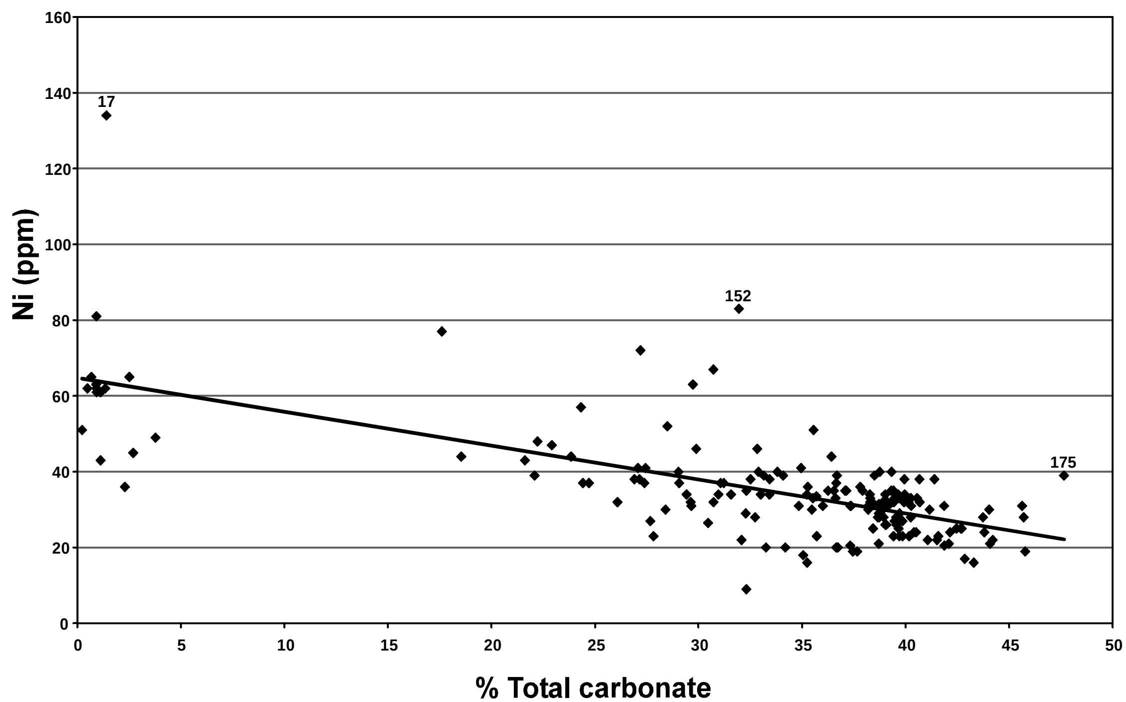
157
148
126
175
Cu (ppm)
% Total carbonate

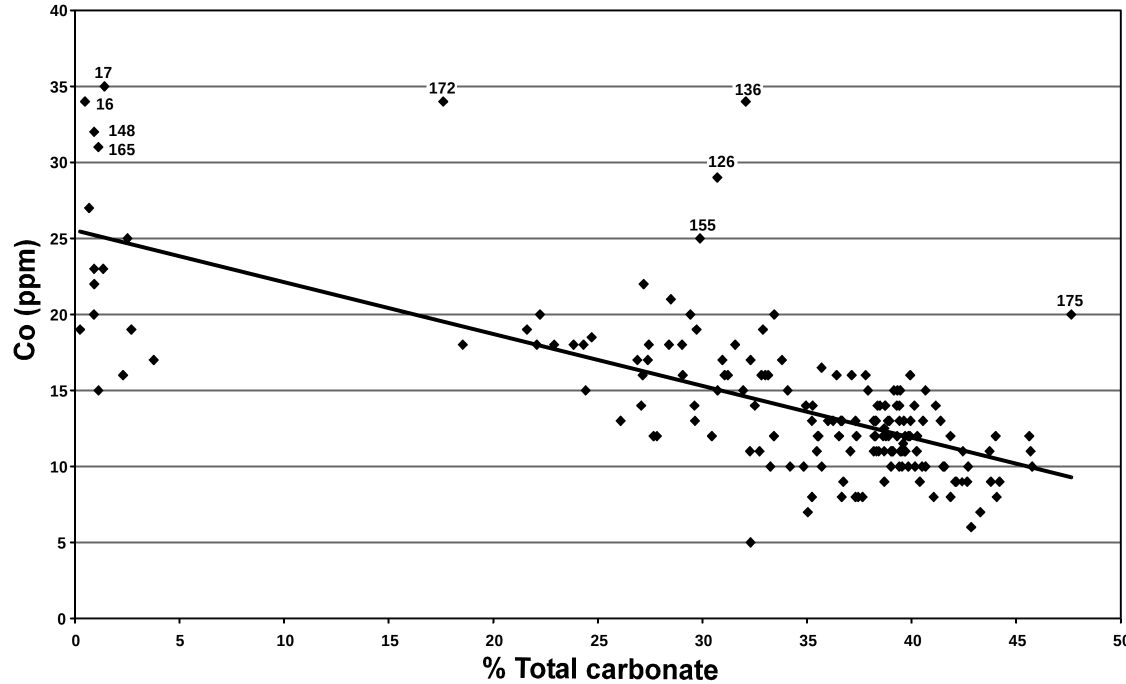
16
197
124
171
193
161
145
144
172
175
205
143
190
Pb (ppm)
% Total carbonate



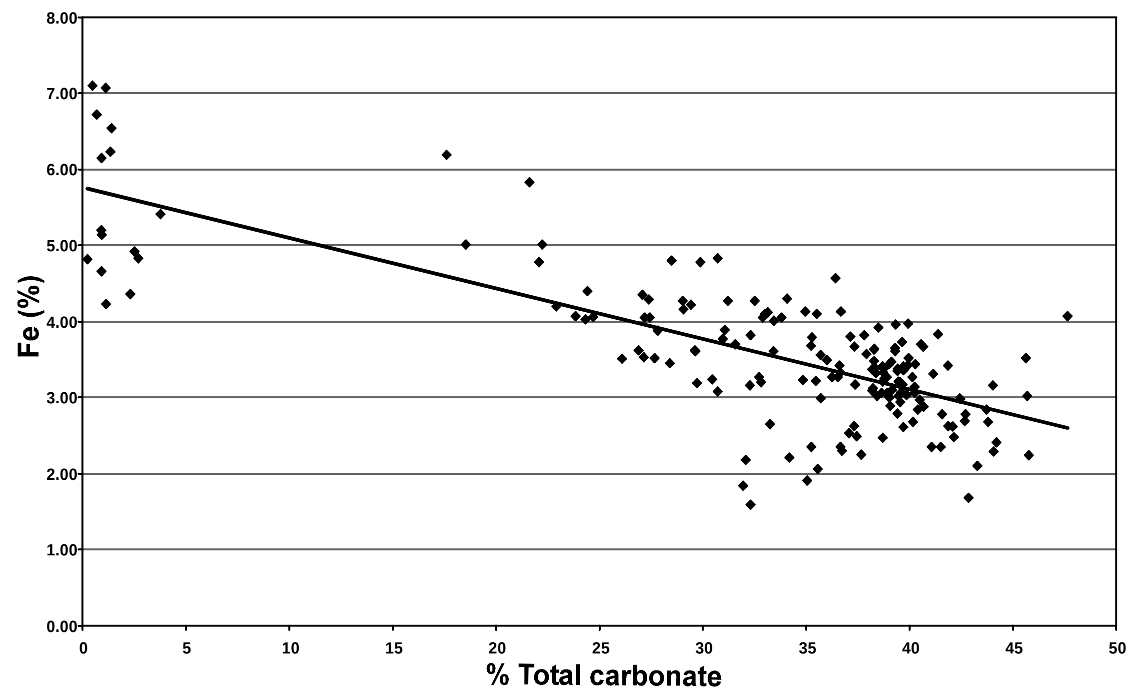
Zn (ppm)
% Total carbonate
172
171
126
175
0
20
40
60
80
100
120
140
160
180
200
0
5
10
15
20
25
30
35
40
45
50

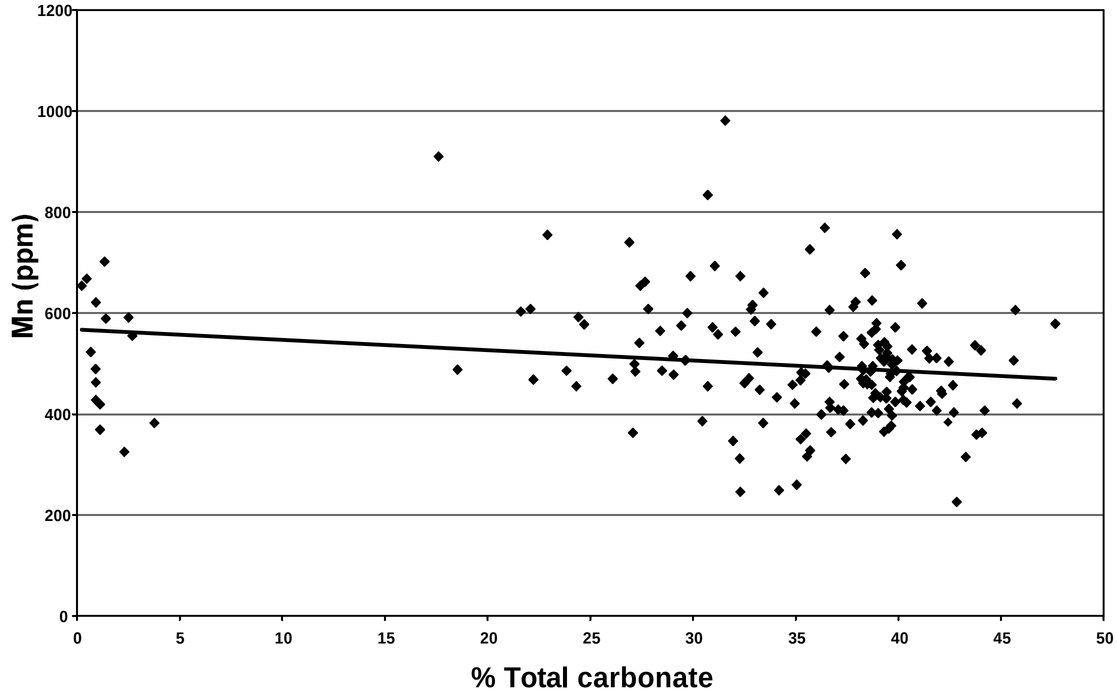
Ni (ppm)
% Total carbonate
17
152
175
0
20
40
60
80
100
120
140
160
0
5
10
15
20
25
30
35
40
45
50



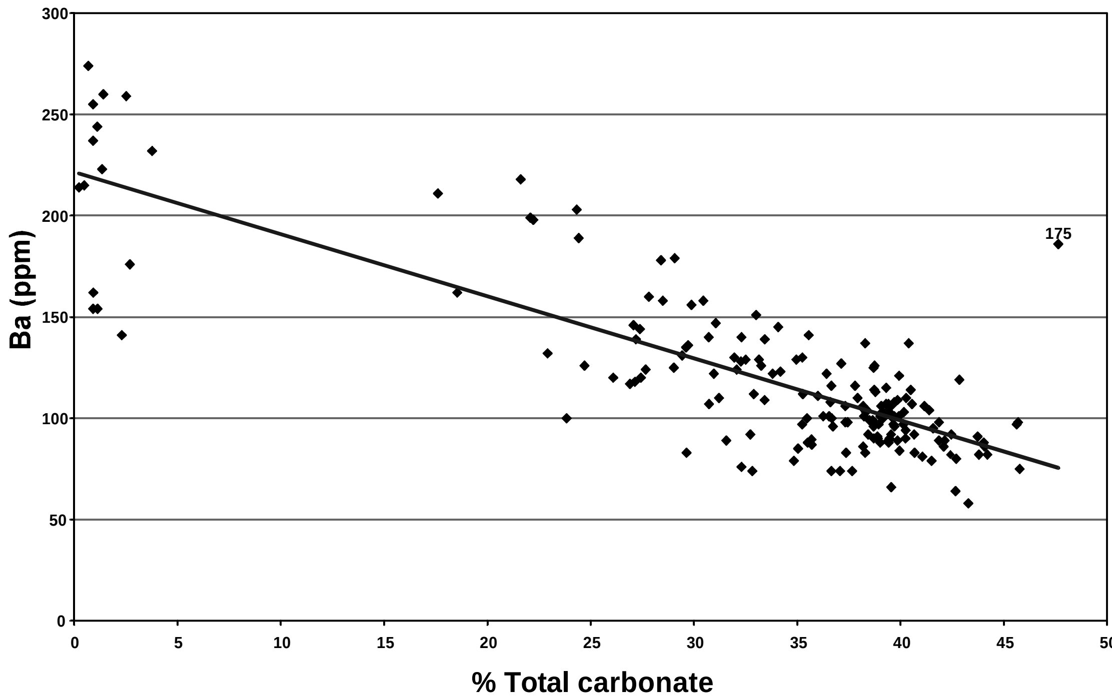
Co (ppm)
% Total carbonate
17
16
148
165
172
136
126
155
175

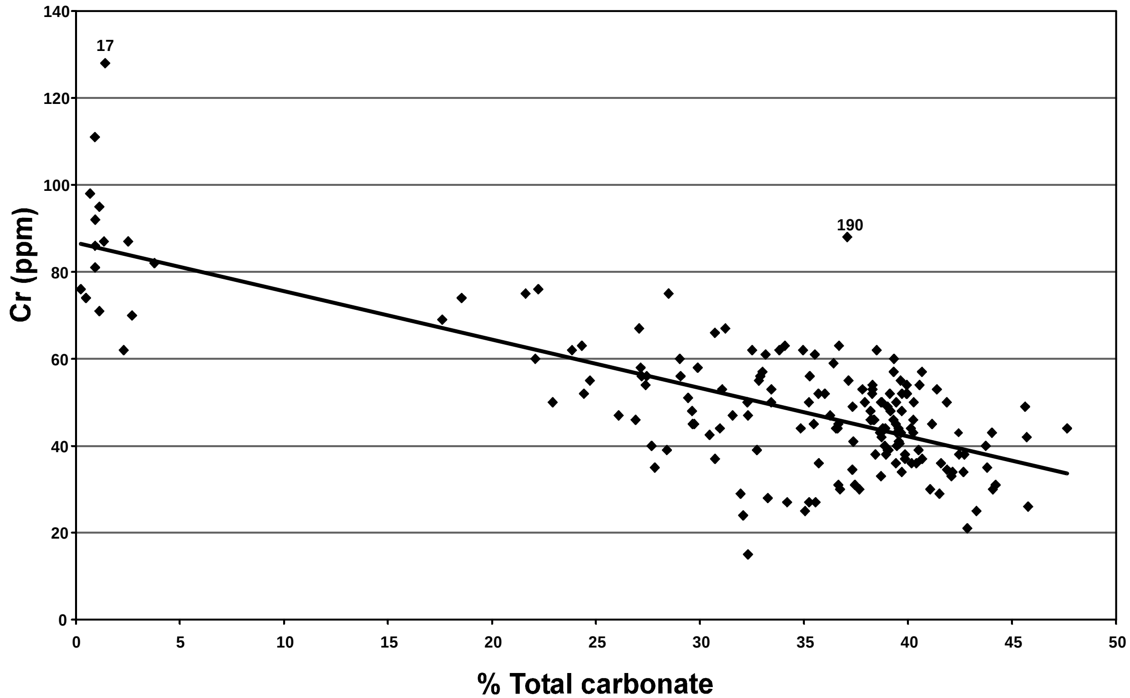
Fe (%)
% Total carbonate

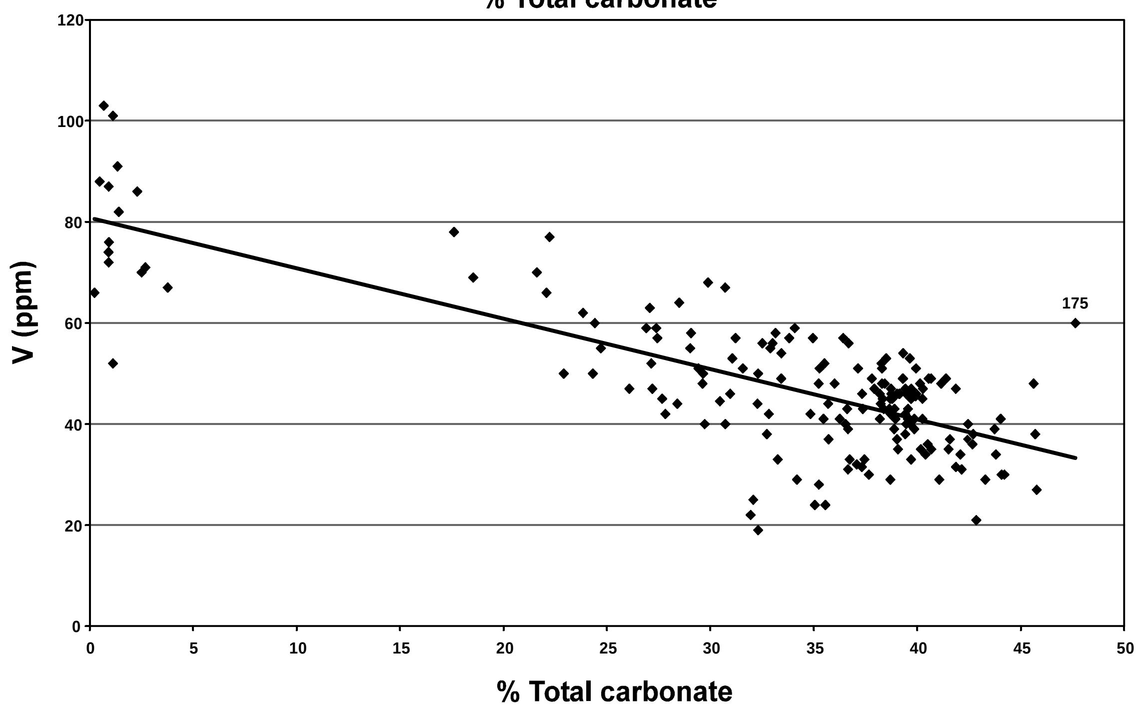


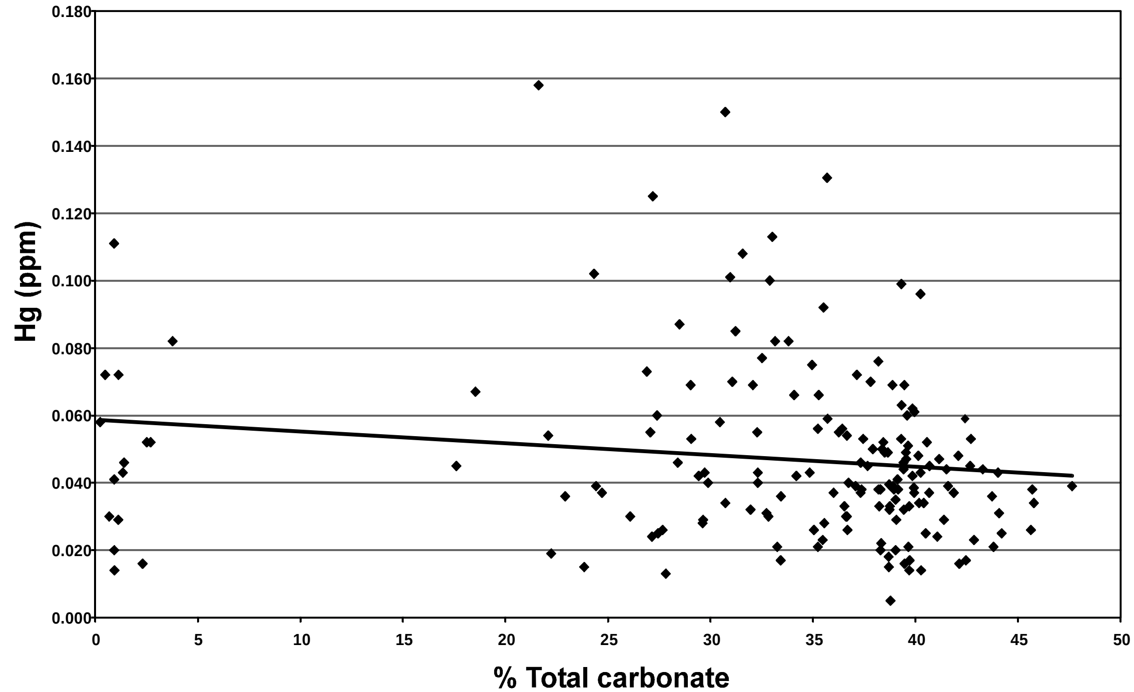
1200
1000
800
600
400
200
0
Mn (ppm)
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

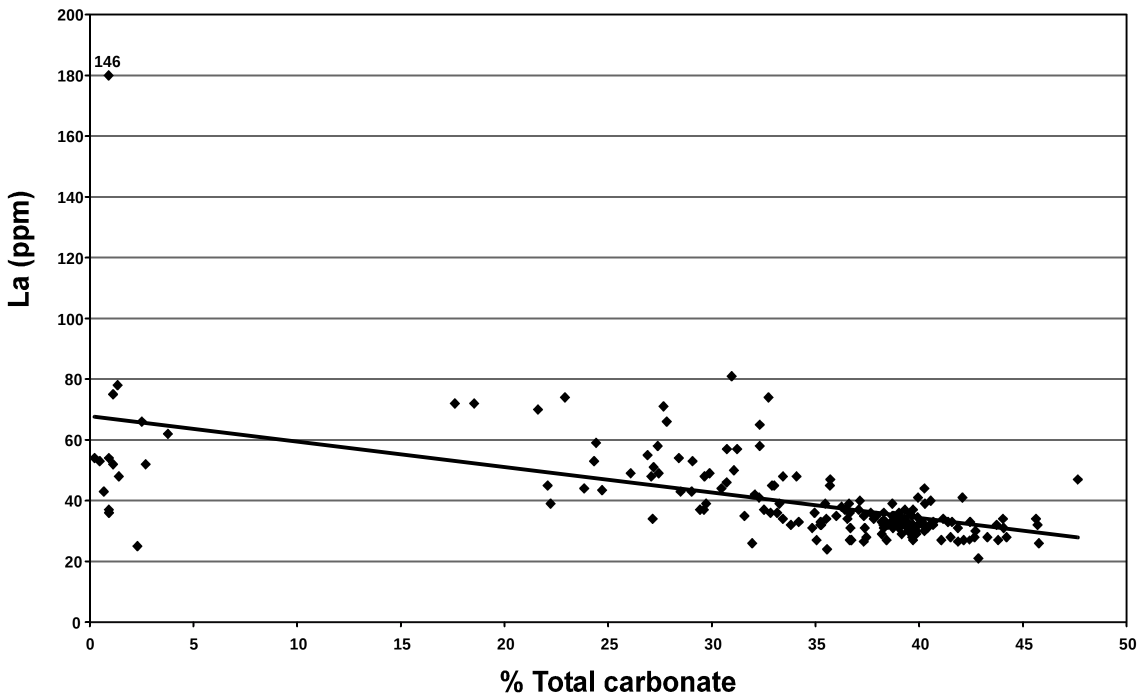



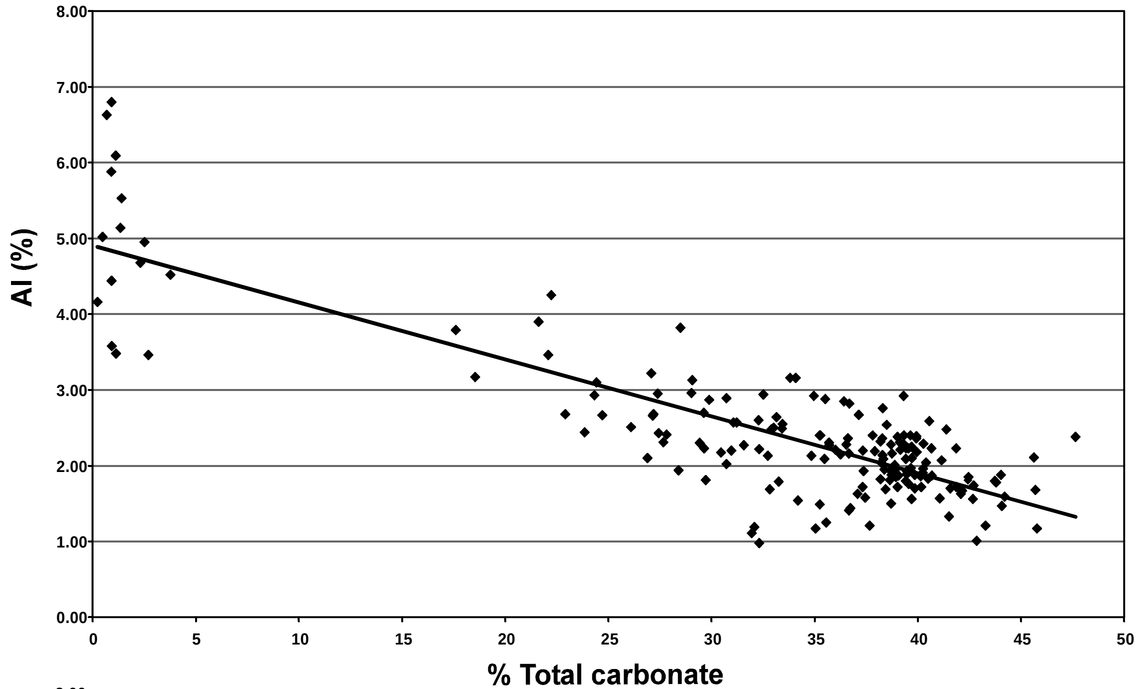
300
250
200
150
100
50
0
Ba (ppm)
175
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate


17
190
Cr (ppm)
% Total carbonate
0
20
40
60
80
100
120
140
0
5
10
15
20
25
30
35
40
45
50

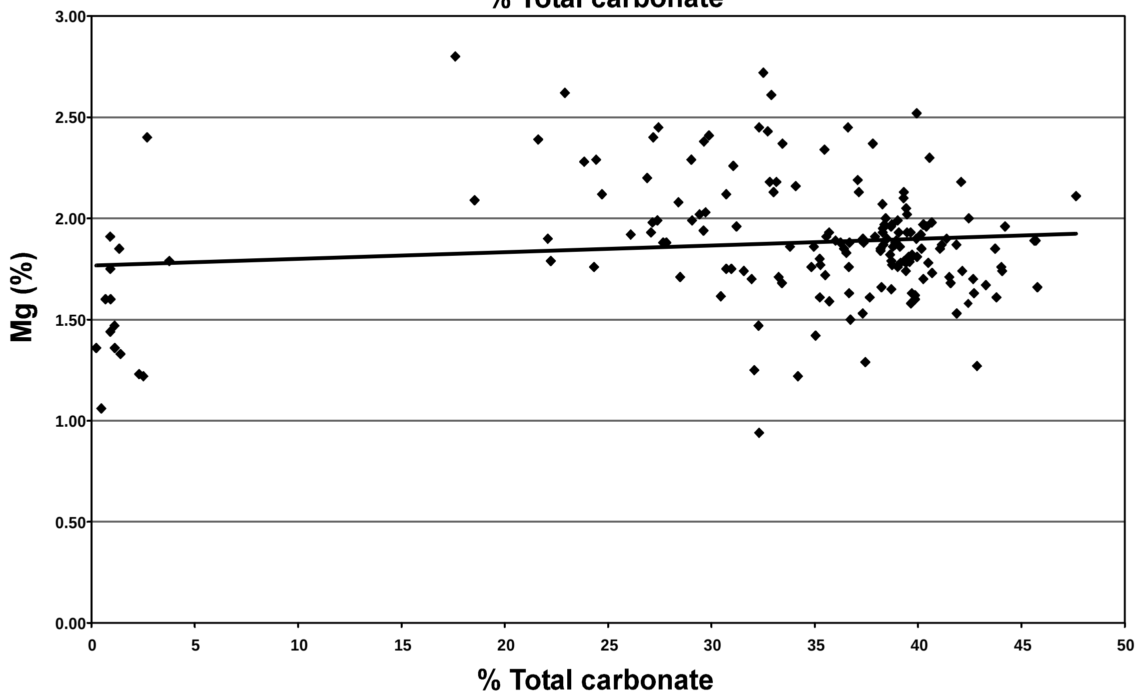

175
V (ppm)
% Total carbonate
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
45
50


0.180
0.160
0.140
0.120
0.100
0.080
0.060
0.040
0.020
0.000
Hg (ppm)
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

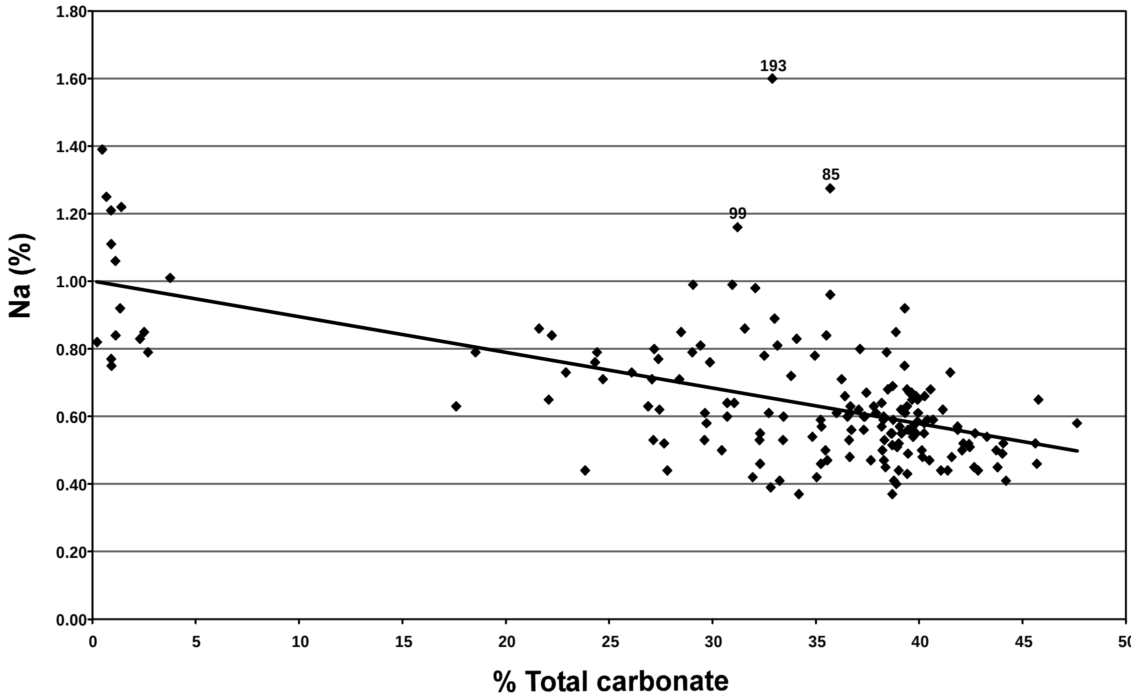

200
180
160
140
120
100
80
60
40
20
0
146
La (ppm)
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate



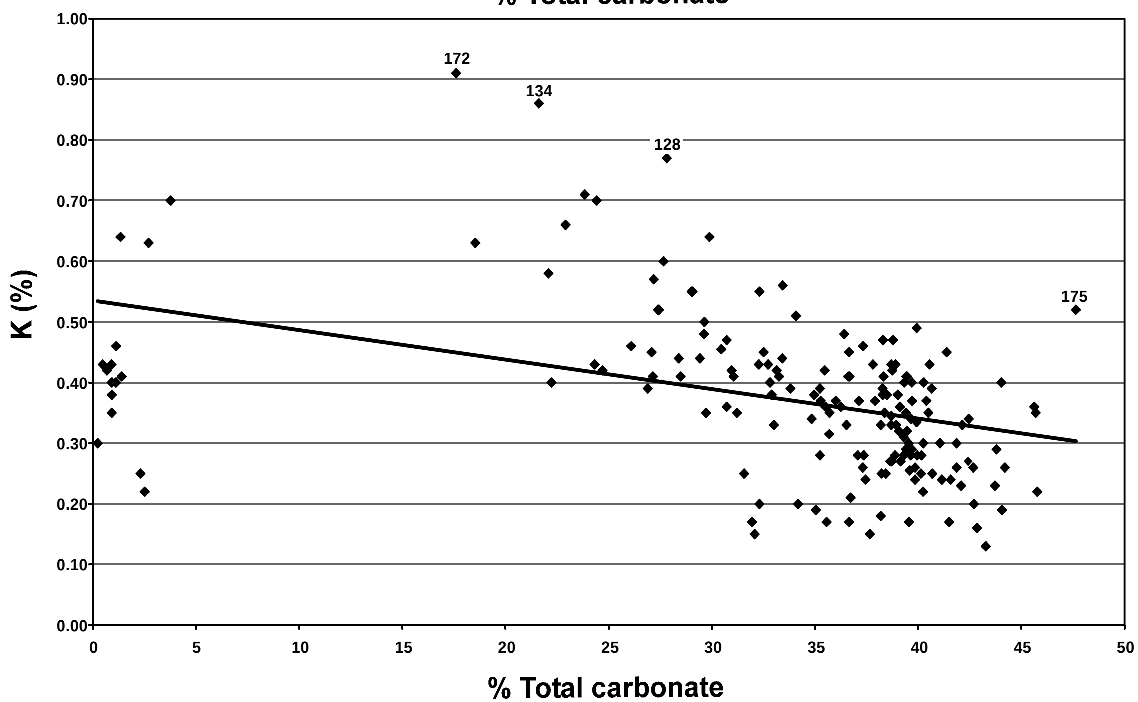
Al (%)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

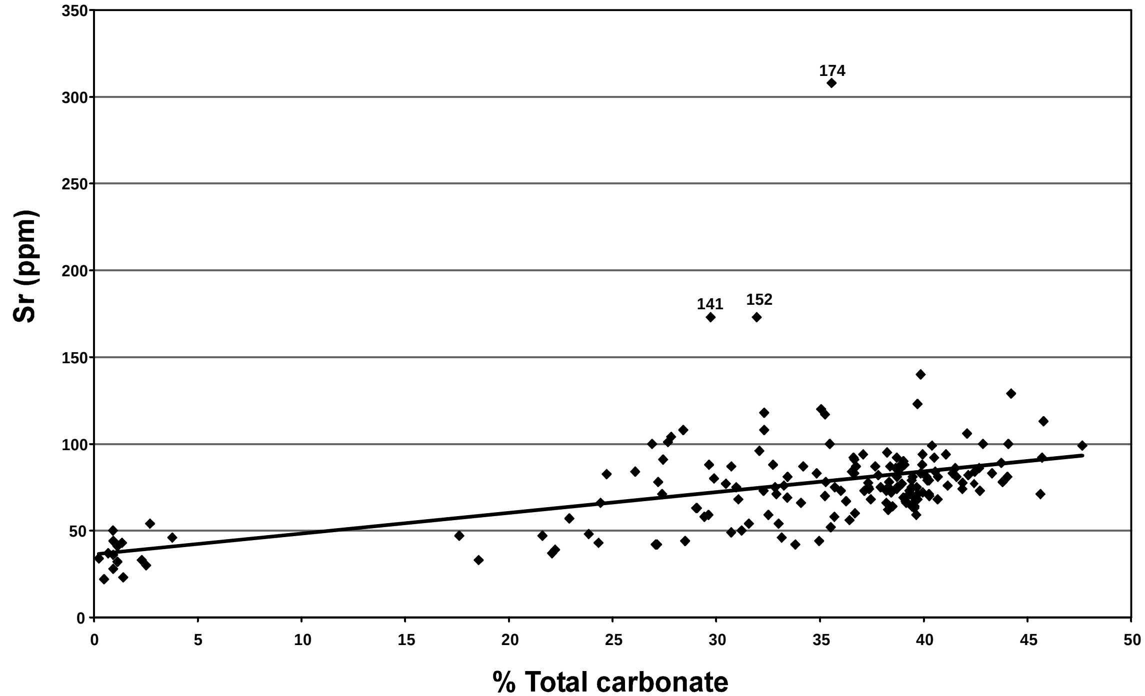
Mg (%)
3.00
2.50
2.00
1.50
1.00
0.50
0.00
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate



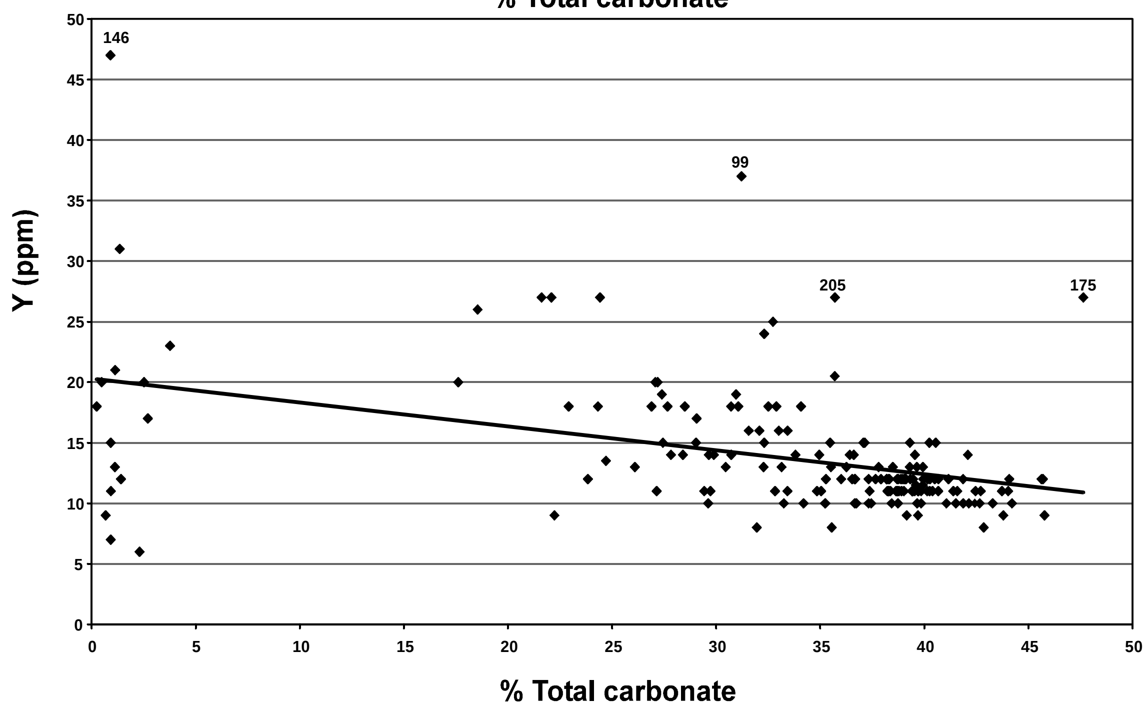
Na (%)
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
0
5
10
15
20
25
30
35
40
45
50
193
85
99
% Total carbonate

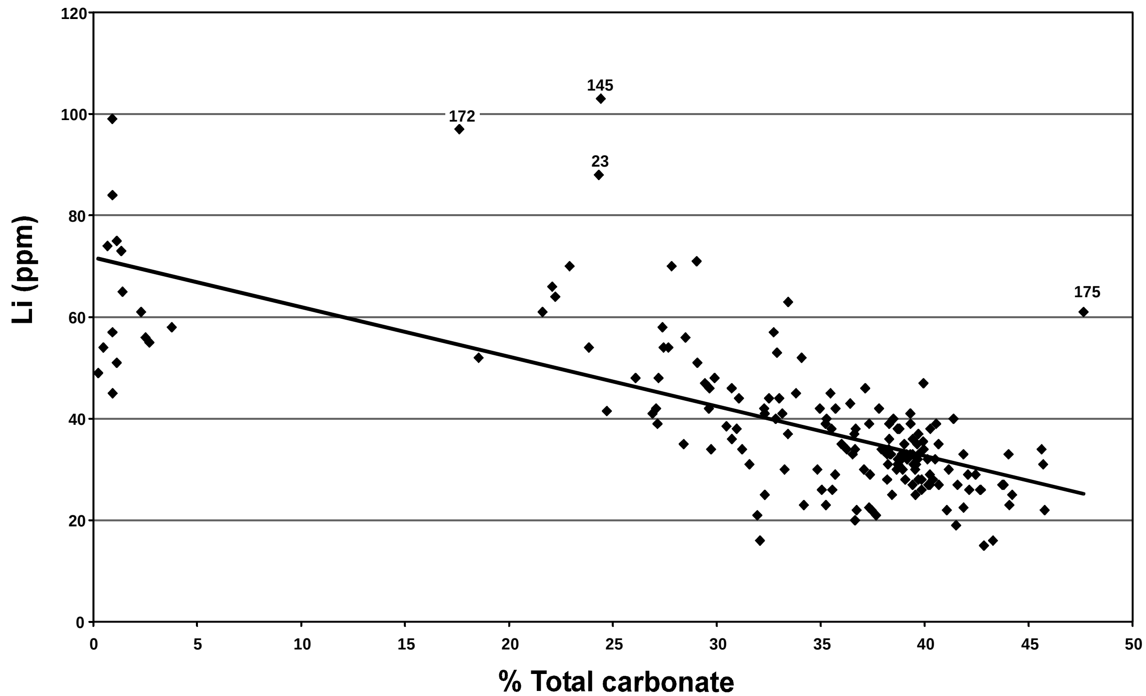
K (%)
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
0
5
10
15
20
25
30
35
40
45
50
172
134
128
175
% Total carbonate



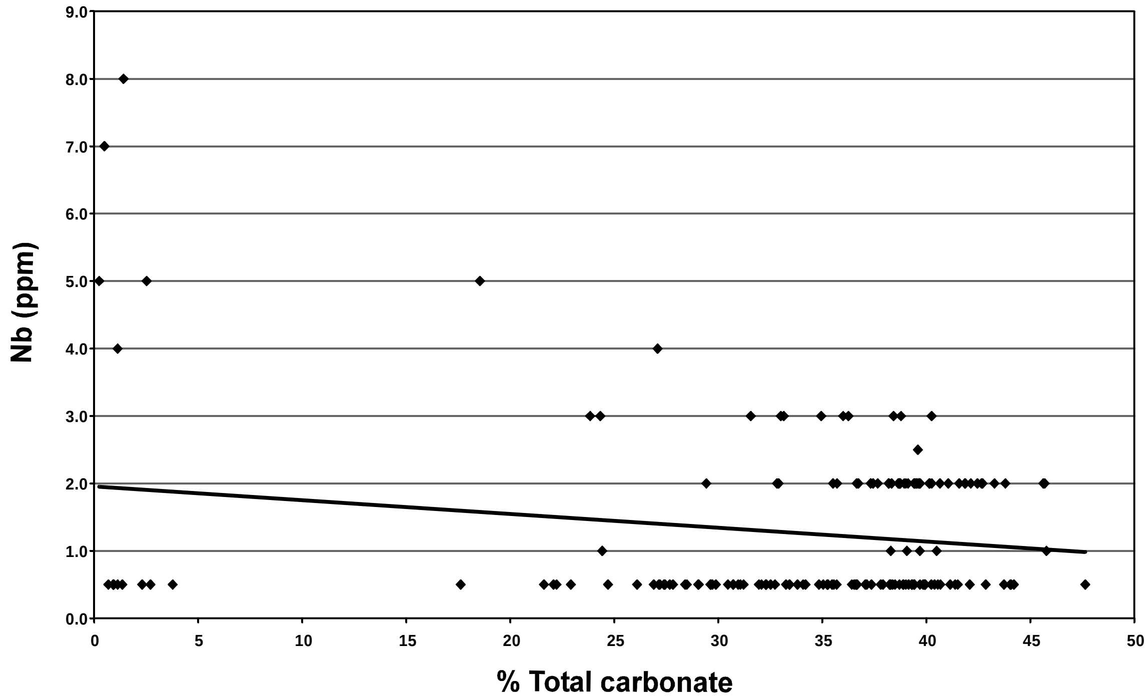
Sr (ppm)
174
141
152
0
50
100
150
200
250
300
350
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

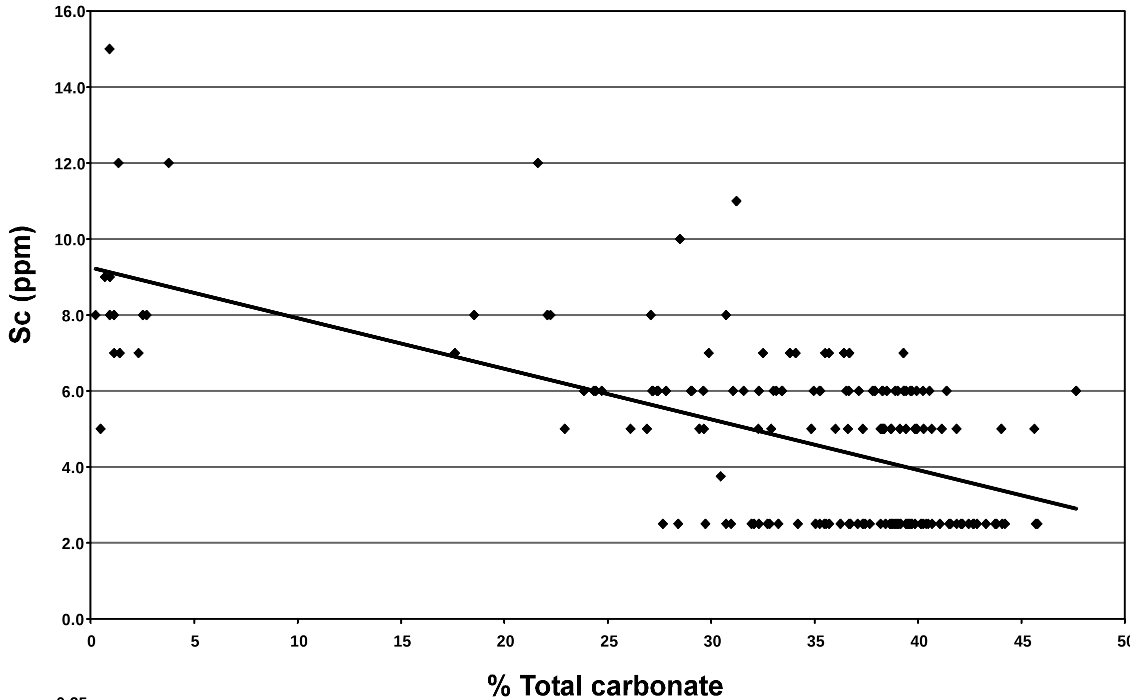
Y (ppm)
146
99
205
175
0
5
10
15
20
25
30
35
40
45
50
0
5
10
15
20
25
30
35
40
45
50
% Total carbonate

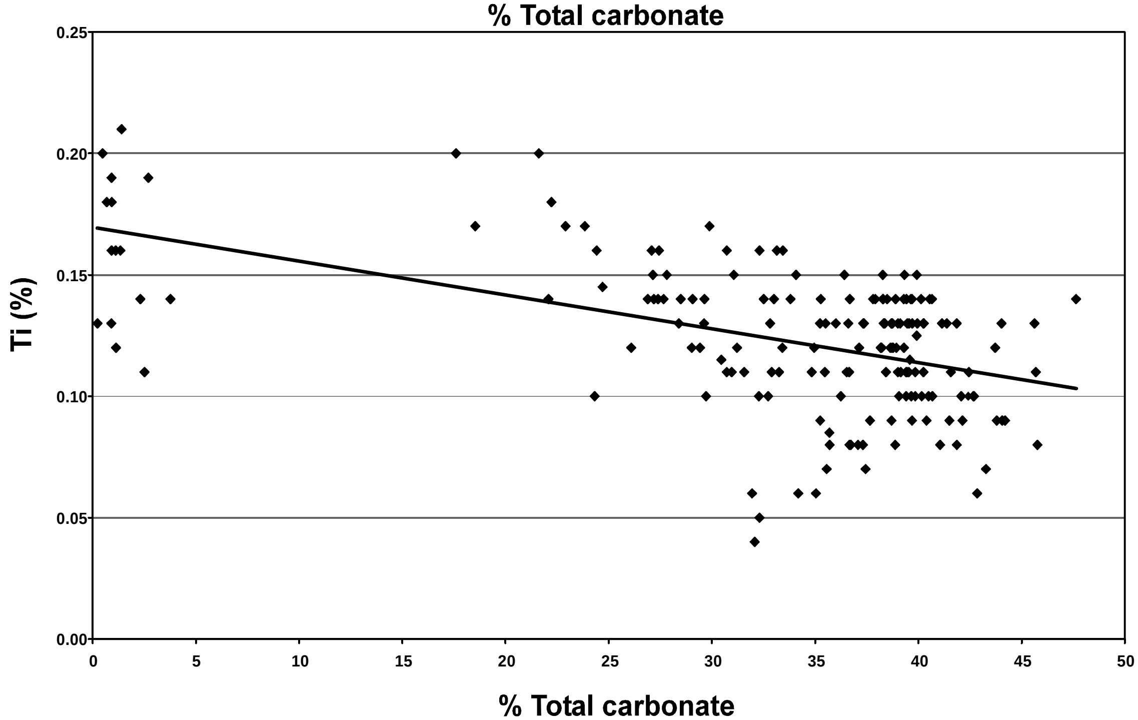


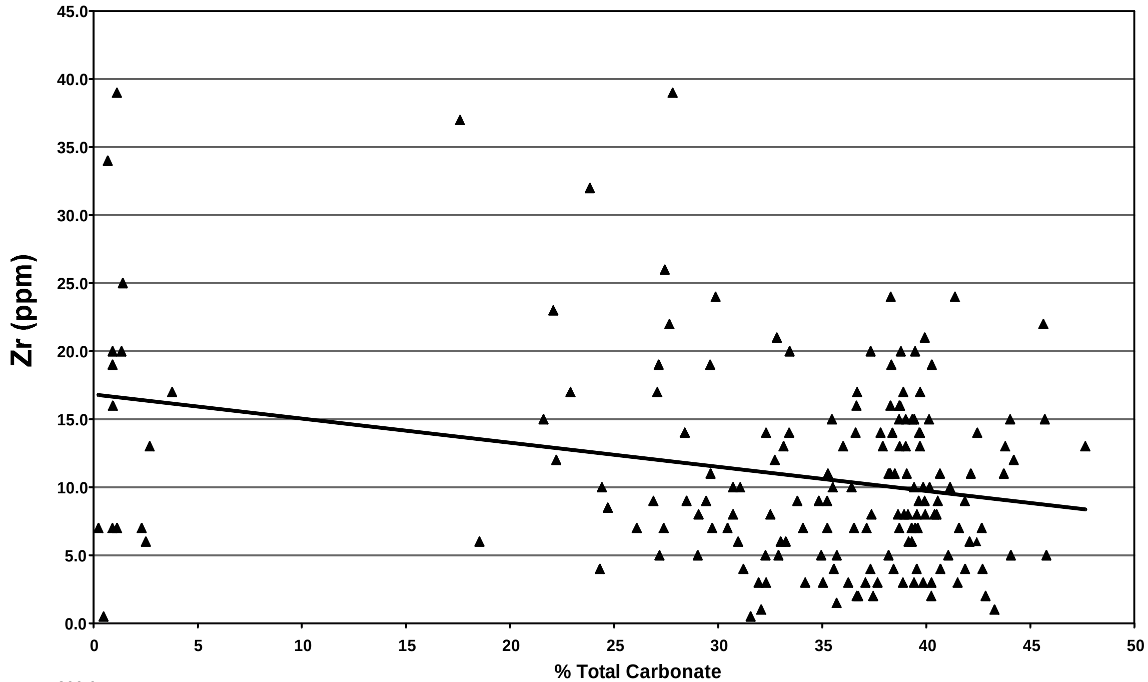
Li (ppm)
% Total carbonate
145
172
23
175
0
20
40
60
80
100
120
0
5
10
15
20
25
30
35
40
45
50

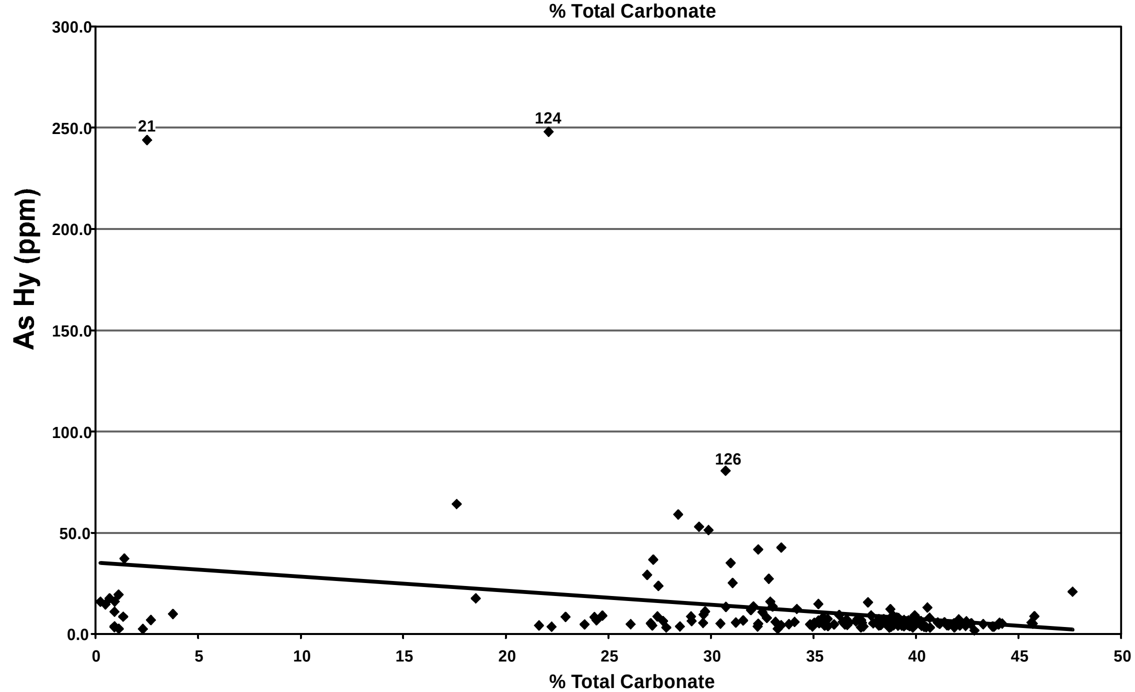



Nb (ppm)
% Total carbonate
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
0
5
10
15
20
25
30
35
40
45
50


Sc (ppm)
% Total carbonate
16.0
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
0
5
10
15
20
25
30
35
40
45
50


Ti (%)
% Total carbonate
0.25
0.20
0.15
0.10
0.05
0.00
0
5
10
15
20
25
30
35
40
45
50


Zr (ppm)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0
5
10
15
20
25
30
35
40
45
50
% Total Carbonate


As Hy (ppm)
300.0
250.0
200.0
150.0
100.0
50.0
0.0
21
124
126
0
5
10
15
20
25
30
35
40
45
50
% Total Carbonate

## TILL MINERALOGICAL SURVEY

### Introduction

The mineralogy of glacial and non-glacial sediments can be utilized to define heavy mineral dispersion trains originating from lode gold, massive sulphide-type mineralization (VMS, sedex, Mississippi Valley-type), skarn, greisen and magmatic Ni-Cu mineralization. The minerals comprising these dispersion trains have physical characteristics that permit concentration by paramagnetic separation or by gravity (specific gravity > 3.2). The minerals also tend to be visually distinctive, coarse grained and generally only associated with altered and mineralized rocks. Indicator minerals can be subdivided into those that reflect metamorphosed massive sulphide-type and magmatic sulphide-type mineral deposits (MMSIM™), kimberlite indicator minerals (KIM) and gold deposits (gold grains).

### Metamorphosed Massive and Magmatic Sulphide Indicator Minerals (MMSIMTM)

These minerals reflect aluminosilicate alteration assemblages that characterize the depositional environment of massive sulphide type deposits as well as the abundant mineral species associated with magmatic Ni-Cu sulphide deposit formation by assimilation of sulphur-rich rocks by high temperature ultramafic magmas. Chrome diopside is an especially useful indicator of Ni-bearing peridotites and pyroxenites. Chalcopyrite is a particularly stable sulphide mineral compared to other sulphide species in weathered surficial sediments and as such is useful in defining sulphide mineral dispersion trains. Some of the MMSIM are common throughout regional high grade metamorphic terrains and are somewhat less diagnostic. These include kyanite, sillimanite, staurolite, andalusite and orthopyroxene. Some minerals such as gahnite, zincian staurolite, willemite and franklinite are enriched in ore-related elements and become useful as geochemical indicators of mineralization. A summary of heavy indicator minerals associated with metamorphosed massive sulphide-type deposits, Ni-Cu magmatic sulphide deposits and skarns is given in Tables 1, 2 and 3. Regional and/or thermal metamorphism of the host rocks to these deposit types serves to produce a coarser grained texture to mineral assemblages associated with mineralized zones.

**Table 1: Common heavy indicator minerals of hydrothermal alteration zones associated with metamorphosed volcanosedimentary massive sulphide deposits in glaciated terrains (Averill, 1999).**

| Indicator mineral | Chemical composition | Indicator elements |
|---|---|---|
| sillimanite | $Al_2Si0_5$ | Al |
| kyanite | $Al_2Si0_5$ | Al |
| corundum | $Al_20_3$ | Al |
| anthophyllite | $(Mg,Fe)_7Si_8O_{22}(OH)_2$ | Mg |
| orthopyroxene | $(Mg,Fe)_2Si_2O_6$ | Mg |
| Mg-spinel | $MgAl_2O_4$ | Mg, Al |
| sapphirine | $(Mg,Al)_8(Al,Si)_6O_{20}$ | Mg, Al |
| staurolite | $(Fe,Mg,Zn)_2Al_9(Si,Al)_4O_{22}(OH)_2$ | Mg (±Zn), Al |
| tourmaline | $(Na,Ca)(Mg,Fe)_3Al_6(BO_3)_3(Si_6O_{18})(OH)_4$ | Al, B |
| dumortierite | $Al_7(BO_3)(SiO_4)_3O_3$ | Al, B |
| Mn-epidote | $Ca_2(Al,Fe,Mn)_3Si_3O_{12}(OH)$ | Mn |
| spessartine | $Mn_3Al_2Si_3O_{12}$ | Mn, Al |
| gahnite | $ZnAl_2O_4$ | Zn, Al |
| franklinite | $(Zn,Mn,Fe)(Fe,Mn)_2O_4$ | Zn, Mn |
| willemite | $Zn_2SiO_4$ | Zn |
| Cr-rutile | $(Ti,Cr)O_2$ | Cr |
| barite | $BaSO_4$ | Ba, S |
| chalcopyrite | $CuFeS_2$ | Cu, S |
| cinnabar | HgS | Hg, S |
| loellingite | $FeAs_2$ | As |
| native gold | Au | Au |

**Table 2: Common heavy indicator minerals of magmatic Ni-Cu massive sulphide deposits in glaciated terrains (Averill, 1999).**

| Indicator mineral | Chemical composition | Indicator elements |
|---|---|---|
| hercynite | $FeAl_2O_4$ | Al |
| olivine | $(Mg,Fe)SiO_4$ | Mg |
| orthopyroxene | $(Mg,Fe)_2Si_2O_6$ | Mg |
| low-Cr diopside | $Ca(MgCr)Si_2O_6$ | Mg, Cr |
| chromite | $(Fe,Mg)(Cr,Al)_2O_4$ | Cr, Mg, Al (±Zn) |
| uvarovite | $Ca_3Cr_2Si_3O_{12}$ | Cr |
| Cr-rutile | $(Ti,Cr)O_2$ | Cr |
| chalcopyrite | $CuFeS_2$ | Cu, S |
| loellingite | $FeAs_2$ | As |
| rammelsbergite | $NiAs_2$ | Ni, As |
| sperrylite | $PtAs_2$ | Pt, As |
| PGE alloys | PGE | PGE |

**Table 3: Common heavy indicator minerals of skarn and greisen deposits in glaciated terrains (Averill, 1999).**

| Indicator mineral | Chemical composition | Indicator elements |
|---|---|---|
| **SKARN:** | | |
| forsterite olivine | $Mg_2SiO_4$ | Mg |
| knebelite olivine | $(Fe,Mn)_2\ SiO_4$ | Mn |
| vesuvianite | $Ca_{10}Mg_2Al_4(Si_2O_7)_2(SiO_4)_5(OH)_4$ | Mg |
| johnannsenite | $CaMnSi_2O_6$ | Mn |
| grossular | $Ca_3Al_2Si_3O_{12}$ | Al±Cr |
| scheelite | $CaWO_4$ | W |
| chalcopyrite | $CuFeS_2$ | Cu, S |
| native gold | Au | Au |
| | | |
| **GRIESEN:** | | |
| topaz | $Al_2SiO_4(F,OH)_2$ | Al, F |
| tourmaline | $(Na,Ca)(Mg,Fe)_3Al_6(BO_3)_3(Si_6O_{18})(OH)_4$ | Al, B |
| fluorite | $CaF_2$ | F |
| cassiterite | $SnO_2$ | Sn |
| wolframite | $(Fe,Mn)WO_4$ | Mn, W |
| chalcopyrite | $CuFeS_2$ | Cu, S |

### Kimberlite indicator minerals (KIM)

Minerals such as chrome diopside and garnet that are associated with kimberlite are stable in immature glacial and non-glacial sediments. This observation makes them particularly attractive as regional and local indicators of diamond potential. Kimberlite indicator minerals tend to be medium- to coarse-grained and are concentrated up to tenfold in coarse sands, such as esker sediments, relative to till.

### Gold grains

The identification of gold grain dispersal trains in glacial sediments has a long and successful history of application to exploration. Gold deposits have been discovered at Casa Berardi (Quebec), Timmins and Rainy River (Ontario) and in the La Ronge greenstone belt in Saskatchewan using this technique. The gold grains are silt-sized (<63 microns wide), can be pristine, modified or reshaped depending on transport distance and time and are depleted in esker sediments with till representing the most important sample medium. Pristine gold grains are generally modified after 1 km of transport in most depositional regimes and form dispersal trains down-ice from significant gold mineralized zones of less than 1 km. Examples of gold grain dispersal trains are provided in Table 4.

As part of the multimedia and multicommodity assessment of the northern Superior Province in Manitoba, an additional sample type was collected during the 1999 field program. This sample was approximately 8-10 kg of bulk till collected from the same sample pit as the bulk tills utilized for KIM studies. This new sample was forwarded for processing to OVERBURDEN DRILLING MANAGEMENT Ltd. (Nepean, Ontario) for the identification of indicator minerals associated with kimberlite, skarn and greisen deposits, metamorphosed massive sulphide and magmatic sulphide deposits and for the identification and characterization of gold grains in till that act as mineralogical pathfinders for gold deposits.

**Table 4: Selected gold grain dispersal trains in glaciated terrains in Canada (Averill, 1999).**

| FOLD BELT | DEPOSIT NAME | TRAIN LENGTH[1](m) TRACED | EST. TOTAL | GOLD GRAINS PER KG | AVERAGE GOLD GRAIN DIAMETER |
|---|---|---|---|---|---|
| Abitibi | Belore | 400 | 400 | 2 | 50 - 100 |
| Abitibi | Cooke Mine[3] | 800 | 1000 | Encapsulated | -- |
| Abitibi | Golden Pond West | 400 | 400[4] | 3 | 50 - 100 |
| Abitibi | Golden Pond | 400 | 500[4] | 2 | 50 - 75 |
| Abitibi | Golden Pond East | 800 | 1000[4] | 6 | 25 - 75 |
| Abitibi | Orenada | 100 | 200 | 2 | 25 - 75 |
| Abitibi | Kiena | 100 | 300 | 3 | 10 - 75 |
| Abitibi | Chimo | 600 | 1000 | 4 | 50 - 75 |
| La Ronge | EP[2] (Waddy Lake) | 600 | 2000 | 10 | 10 - 100 |
| La Ronge | Star Lake | 300 | 800 | 2 | 10 - 50 |
| La Ronge | Tower Lake | 7000 | 7000[4] | 10 | 10 - 50 |
| La Ronge | Bakos | 2000 | 2000 | 20 | 25 - 50 |
| Lynn Lake | Farley Lake | 400 | 400 | 1 | 25 - 75 |
| Humber | Devil's Cove | 2000 | 2000 | 6 | 10 - 100 |
| Rainy River | 17 Zone | 2000 | 15 000[5] | 10 | 10 - 50 |

[1] Based on minimum 10 gold grains of similar size and shape per standard 10 kg sample for free gold trains and coincident high gold and base metal assays for encapsulated gold trains.
[2] Deposit oriented parallel to glacial ice flow.
[3] Encapsulated gold deposit
[4] Train shortened and/or gapped by erosion in last ice advance.
[5] Train length enhanced by a 5 km$^2$ Au-bearing alteration zone surrounding Au deposit.

High specific gravity indicator minerals have characteristics that make them particularly useful in mineral exploration. These minerals are generally coarse grained and visually distinctive, are associated with mineralization and related alteration zones, have specific gravities >3.2 allowing them to be concentrated by gravity methods and are amenable to paramagnetic separation. They are also relatively resistant to weathering. The minerals associated with massive sulphide and/or magmatic sulphide mineral deposits are referred to as “MMSIMs” ™. The MMSIMs are found in volcanic and sedimentary rock hosted massive sulphide deposits in high grade regional metamorphic terrains, in skarn and greisen mineralization and in Ni-Cu deposits. Chalcopyrite, a common sulphide mineral in many of these deposits is particularly useful since it is relatively stable in weathered surficial sediments. Minerals that most commonly reflect alteration associated with base metal mineralization include kyanite, sillimanite, staurolite, spessartine, anthophyllite, orthopyroxene and barite.

Gold grains are somewhat different than MMSIMs in that they tend to be silt-sized (<63 microns) and, as a consequence, have different dispersal patterns in surficial sediments. Gold grains are most abundant in till whereas MMSIMs predominate in esker sands and gravels. Gold grain abundances vary in tills from different locales and have average abundances of 1 grain/10 kg sample in areas of thick Phanerozoic cover (prairies) to approximately 20 grains/10 kg on down-ice margins of volcanosedimentary belts such as the Abitibi greenstone belt.

## KIMBERLITE INDICATOR MINERAL SURVEY (MONOPROS LTD.)

### Introduction

Minerals such as garnet, chromite, ilmenite and diopside in glacial sediments have been used as kimberlite indicators. Specifically, the chemistry of these grains has been used to imply their mode of occurrence in diamonds as inclusions or in kimberlites (cf. Dawson and Stephens, 1975; Gurney, 1984). All recognized kimberlite indicator minerals are chemically stable in immature glacial sediments.

Garnets have received considerable attention as kimberlite indicators and have been chemically classified according to their relevance as kimberlite indicator minerals (KIM). Ca-depleted diamond inclusion chrome pyropes have been termed 'G10' (Gurney, 1984; Dawson and Stephens, 1975). They indicate a harzburgitic peridotite origin and are more closely associated with diamonds than are the garnets of lherzolitic origin, which are termed 'G9'. Eclogitic garnets, with $Na_20$ concentration of greater than 0.09%, have been observed as inclusions in diamonds and, thus, also represent valuable indicator minerals.

Diamond inclusion chromites with $Cr_20_3$ greater than 60% are considered to be kimberlite indicator minerals, equal in significance to G10 garnets. They are interpreted to represent sampling of diamond-bearing zones in the mantle by kimberlite magmas. High-Mg ilmenite are interpreted to reflect the reduced conditions that are necessary for the preservation of diamonds as the magma ascends through the crust. Kimberlite-hosted ilmenite generally has MgO concentrations of 4-15 wt % and greater than 2% $Cr_20_3$. Chrome diopside with greater than 1% $Cr_20_3$ has been utilized as a useful kimberlite indicator mineral (Morris et al., 1998).

### Sample collection

An eleven litre pail of glacial till was collected from each sampling site where appropriate material was encountered. These samples were shipped to MONOPROS Ltd. at the end of the 1999 sampling program for processing.

### Sample preparation and analysis

This paraphrased description of sample preparation and analysis was supplied by MONOPROS Ltd. The eleven litre samples were screened at 2.0 mm, with the oversize discarded except for a representative aliquot of the +2.0 – 5.6 mm fraction, which is used for pebble counts. The –2.0 mm size fraction was passed over a 0.3 mm aperture sieve and the –0.3 mm size fraction was discarded. The +0.3 mm – 2.0 mm fraction was concentrated by gravity separation, dried in ovens and the further sieved into +1.0-2.0 mm, +0.5-1.0 mm and +0.3-0.5 mm size fractions, which were packaged, labeled and shipped to MONOPROS laboratories for further treatment.

These three size fractions were individually separated using the heavy liquid bromoform (Specific Gravity – 2.86). The heavy fractions that sink through the bromoform were washed and sorted for kimberlitic indicator minerals. Indicator minerals were analyzed by microprobe.

### Data display

Abundances of kimberlite indicator minerals are portrayed using bubble plots. The greater the abundances of any particular indicator mineral at a sample site the larger the bubble. A mylar sample site location map overlay to use with the bubble plots is provided in the back pocket.

### Preliminary interpretation of the 1999 kimberlite indicator minerals survey

The chemistry of picked KIM, microprobed and classified for this study, are summarized in Appendix KM-1. Kimberlite indicator mineral abundances by sample site is listed in Appendix KM-2. Classification, based on mircoprobe chemistry in Appendix KM-1, utilized the chemical parameters from Thorleifson et al. (1994) in Tables 5 and 6. Field boundaries for garnets and chrome spinel discriminant diagrams are from Gurney (1984; Fig. 4) and Fipke et al. (1995; Fig. 5, 6), respectively. Figure 7, a diagram depicting the parabolic relationship of $Cr_2O_3$ and MgO in ilmenite, is derived from the work of Haggerty (1975). Haggerty and Tompkins (1983) recognized the value of ilmenite compositions in determining the redox state of the earth's mantle and Gurney and Moore (1993) illustrated the potential for predicting diamond preservation in a kimberlite on the basis of ilmenite composition. A sample site location map for the Knee Lake Belt is provided in Figure 3a. Figure 3b (in back pocket) is a mylar sample site location map overlay. Kimberlite indicator mineral abundances for the Knee Lake Belt are presented in Table 7.

## Results

Figures 8 through 14 are bubble plots for individual kimberlite indicator minerals (KIM) throughout the 1999 survey area. These plots represent KIM from combined +1.0-2.0 mm, +0.5-1.0 mm and +0.3-0.5 mm size fractions of the sample. Total KIM abundances are plotted in Figure 14. It is important to note that bubble plots for KIM data portray all sites at which a sample was collected. To gain a true appreciation for the significance of these geographic distributions and clustering, these maps should be viewed using the mylar overlay depicting all multimedia sample locations. Survey results for the Knee Lake greenstone belt are described below and summarized in Table 7.

In the 1999 KIM survey samples, 13 KIM indicator mineral grains were recovered in the –2.0+1.0 mm size fraction, 106 grains were recovered in the –1.0+0.5 mm size fraction, and 211 grains were recovered in the –0.5+0.3 mm size fraction. Unlike the results from the 1998 survey no original surface remnants were observed on any of the kimberlite indicator mineral grains. This includes kelyphite, perovskite mantles on ilmenite and original surface remnants on chrome diopside grains.

Highly elevated abundances of chrome spinel grains in the 1999 survey area (Fig. 8) are confined to site 104 where 29 grains were identified. Additionally, four grains from site 84 and a further two grains from site 83 were observed in tills up-ice from site 104. Five chrome spinel grains are documented from site 257 south of the west end of Knee Lake. Single grains of chrome diopside (Fig. 9) were identified at three sites south of the west end of Knee Lake at sites 248, 320 and 334. Titanium-chrome pyrope garnet grains are widely scattered across the 1999 survey area (Figure 10). Two grains are identified from site 100, north of site 104 where 29 chrome spinels were found. Three G9 garnets were identified from site 48 (Fig. 11) near the eastern extent of the 1999 sampling area. The remainder of the G9 garnets are dispersed throughout the survey area. A total of eight grains of G10 garnets were identified in this year's survey. This represents the most in any one year of Operation Superior. The grains are more or less concentrated in the general area of Cinder Lake (Fig. 12) and form a crude dispersal train for sites 18, 48, 51 and 279 and a second train for sites 150, 151 and 71. The final grain is located at site 83 north of the northern belt margin. The materials sampled at these sites include till from sites 18, 71, 83, 150, 151 and sand from sites 48 and 279. The sample from site 51 was an oxidized, limonitic-hematitic alluvium that was unlike the grey-beige carbonate-rich tills that characterize the 1999 survey area. In addition to the G10 garnet, a G9 garnet was also documented from site 48. Magnesian ilmenite grains are relatively abundant in this year's survey area with two main areas of concentration. The first is located near the northwestern corner of the survey area at or near the northern margin of the belt and the second is southeast of Cinder Lake. The magnesian ilmenite grains near Cinder Lake are documented from sites 18 and 46 with 4 grains from each site. This area is also characterized by G9 and G10 garnets. A crude alignment of magnesian ilmenites occurs in the northwest corner on the basis of sites 89, 94, 97, 124 and 126. Figure 14 presents total kimberlite indicator mineral abundances for the 1999 survey area. The main areas of interest include the northwest corner of the survey area where total abundances are strongly skewed by the occurrence of 29 chrome spinels at site 104 and the area southeast of Cinder Lake where G9, G10 and magnesian

**Table 5: Guidelines for preliminary mineral identification (Thorleifson et al., 1994).**

| | | |
|---|---|---|
| Total <70% | + CaO >44% | Apatite |
| Total <70% | + FeO >50% | Siderite |
| Total <70% | + $Al_2O_3$ >40% | Gahnite |
| Total 34% | + $SiO_2$ 33% | Zircon |
| Total <70% | | low total; eg. phosphate sulphate, carbonate |
| $SiO_2$ <20% | + $Cr_2O_3$ >60% + MgO >12% | diamond inclusion Cr-spinel |
| | + $Cr_2O_3$ >10% | Cr-spinel |
| | + $TiO_2$ >70% | Rutile |
| | + $TiO_2$ >30% + MgO >6% | Mg-ilmenite |
| | + $TiO_2$ >30% | Ilmenite |
| | + $TiO_2$ >1% | Ti-Fe-oxide |
| | + FeOt >90% | Magnetite |
| | + FeOt >80% | Hematite |
| | + FeOt >40% | Goethite |
| | + $Al_2O_3$ >80 | Corundum |
| | + $Al_2O_3$ >30% + Fe0 >20% | Hercynite |
| | + $Al_2O_3$ >30% | Spinel |
| $SiO_2$ >75% | | Quartz |
| $SiO_2$ >55% | + $Al_2O_3$ >16% | Feldspar |
| $TiO_2$ >20% | | Sphene |
| $Al_2O_3$ >55% | | Kyanite |
| $Al_2O_3$ >45% | | Staurolite |
| $Al_2O_3$ >24% | + total <90% + MgO >5.3% | Mg-tourmaline |
| $Al_2O_3$ 24% | + total <90% + MgO <5.3% | Fe-tourmaline |
| $Al_2O_3$ 24% | + total<98% + CaO 22.2-25% | Epidote |
| $SiO_2$ <47% | + $K_2O$ >0.5% or $Na_2O$ >1% or $SiO_2$ 41-47% _ $Cr_2O_3$ <0.5% | Amphibole |
| $SiO_2$ >47% | + CaO <3.1% | OPX |
| | + $Na_2O$ >2.7% | Na-CPX |
| | + FeOt >6.1% | Fe-CPX |
| | + >0.5% $Cr_2O_3$ | Cr-diopside |
| | Remainder | Diopside |
| MgO >25% | | Olivine |
| Garnet | + MgO >13% + $Cr_2O_3$ >0.5% | Cr-pyrope |
| | + MgO >4% + CaO >2% + TiO2 >0.2% | Eclogitic garnet |
| | + $Cr_2O_3$ >14% | Uvarovite |
| | + MgO >13% | Pyrope |
| | + $TiO_2$ >2.5 + $Al_2O_3$ <11.5% | Melanite |
| | + CaO >16% + $Al_2O_3$ <11.5% + $Cr_2O_3$ >1% | Cr-andradite |
| | +CaO >16% + $Al_2O_3$ <11.5% | Andradite |
| | CaO >30% + $Cr_2O_3$ >1% | Cr-Grossularite |
| | +CaO >30% | Grossularite |
| | +MnO >21% | Spessartite |
| | + FeOt >25% | Almandite |
| | Remainder | Garnet |

**Table 6. Kimberlite indicator mineral classification (Thorleifson et al., 1994)**

| | | |
|---|---|---|
| 1. Cr-spinel | >60% $Cr_2O_3$ + >12% MgO | diamond inclusion Cr-spinel |
| 2. Ilmenite | >-6% MgO | Mg-ilmenite |
| 3. Pyroxene | >0.50% $Cr_2O_3$ | Cr-diopside |
| 4. Garnet | >13% MgO and >0.50% $Cr_2O_3$ | Cr-pyrope |
| | >0.30% $TiO_2$ + 4.0% $Cr_2O_3$ | G11 titanian, Cr-pyrope |
| | >90% $TiO_2$ | G2 titanian, Cr-pyrope |
| | >0.30% $TiO_2$ | G1 titanian, Cr-pyrope |
| | >12.0% $Cr_2O_3$ | G12 Non-titanian, Cr-pyrope |
| | CaO <0.285 ($Cr_2O_3$)+3.14 | G10 Non-titanian, Cr-pyrope |
| | CaO >0.285 ($Cr_2O_3$)+5.14 | G7 Non-titanian, Cr-pyrope |
| | Remainder | G9 |
| | >4.0% MgO + >2.0% CaO | Eclogitic garnet |
| | + >0.20% $TiO_2$ + >19% $Al_2O_3$ + <0.5% $Cr_2O_3$ | |
| | >0.60% $TiO_2$ | G4 |
| | >16.0% CaO | G8 |
| | >12.0% CaO | G6 |
| | Remainder | G3 |

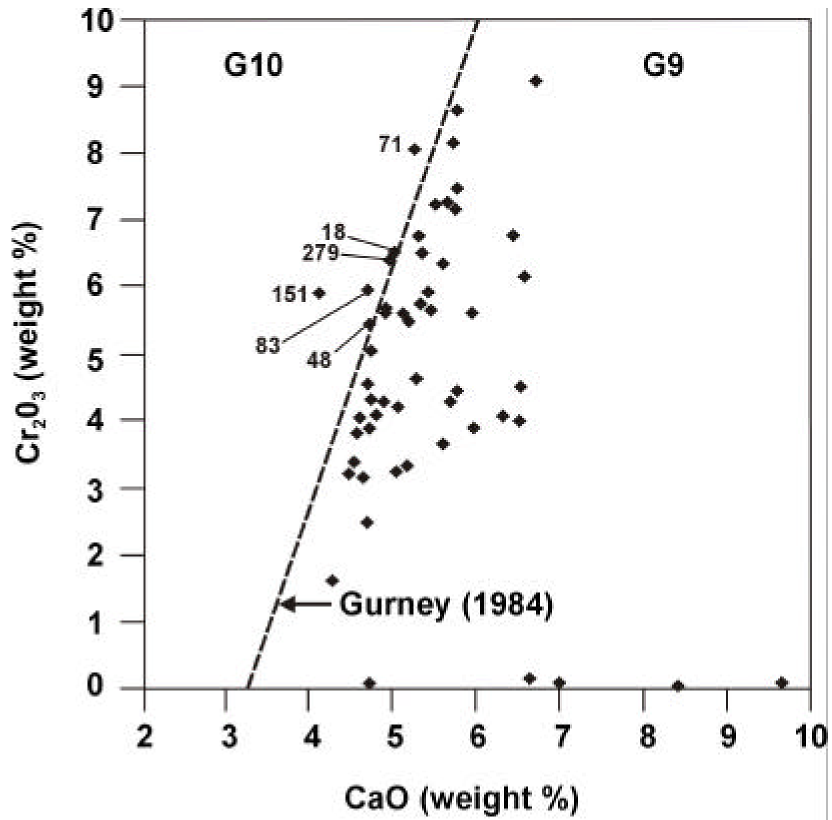



Figure 4: $Cr_2O_3$ vs. CaO discriminant diagram for 'G9' and 'G10' garnets.

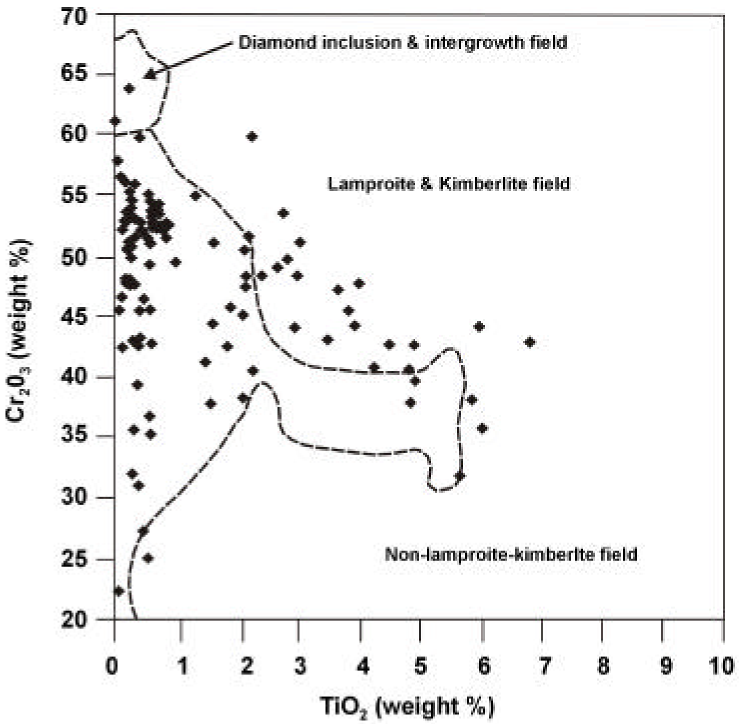



Figure 5: $Cr_2O_3$ vs. $TiO_2$ discriminant diagram for diamond inclusion, lamproite and kimberlite spinels.

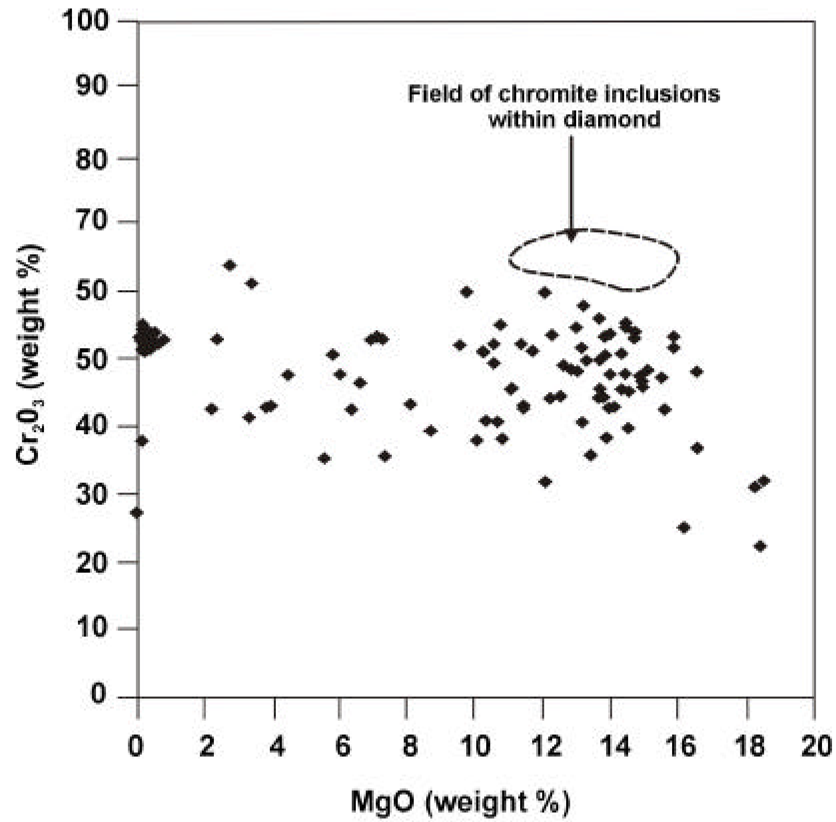



Figure 6: $Cr_2O_3$ vs. MgO discriminant diagram for diamond inclusion spinel.

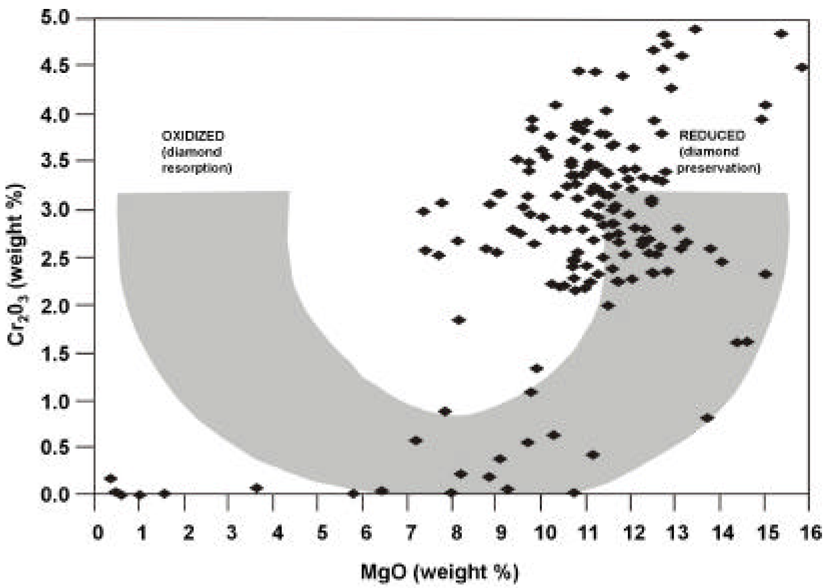


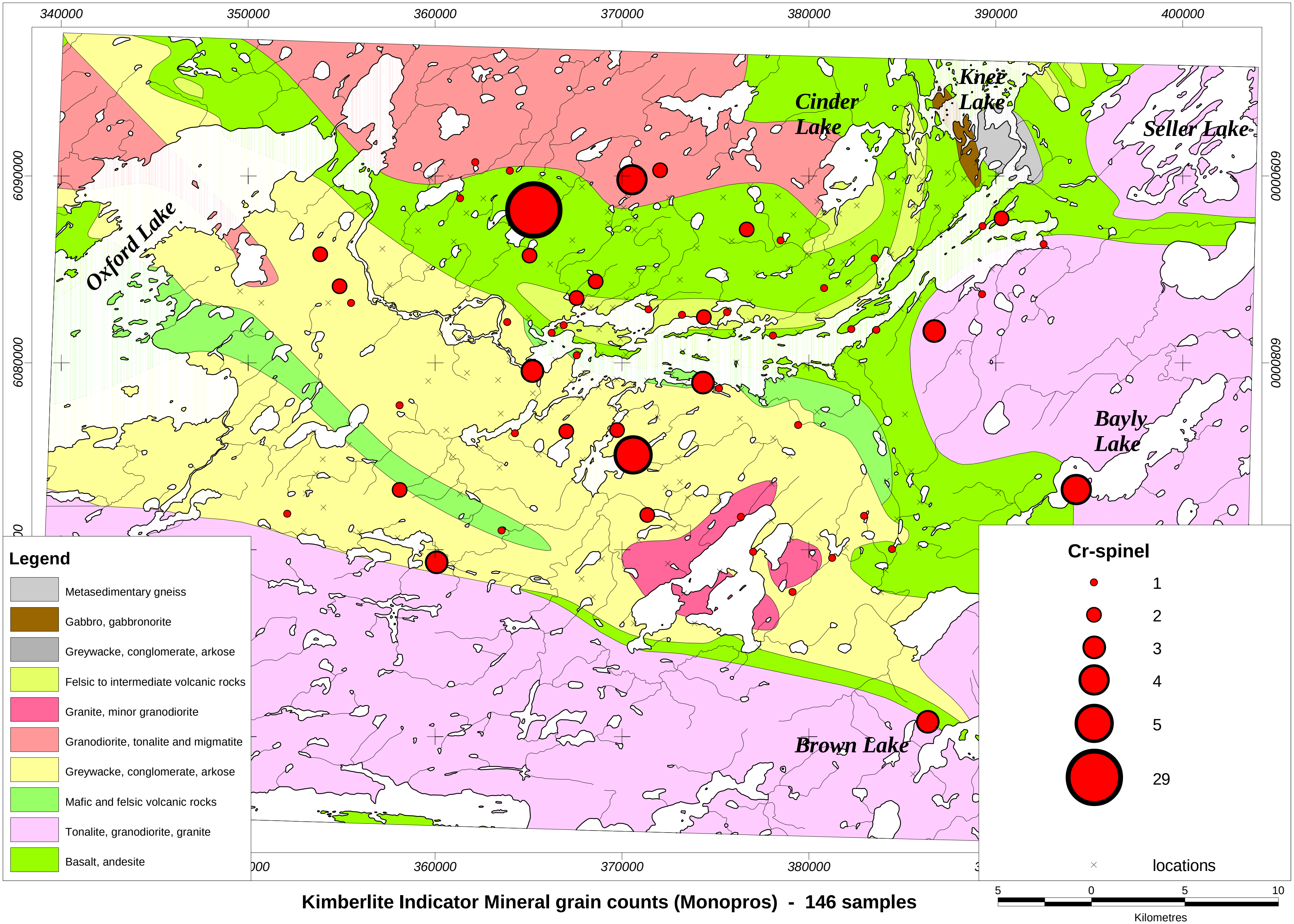

Figure 7: $Cr_2O_3$ vs. MgO parabolic discriminant diagram for ilmenite.

ilmenite grains define a dispersal train of KIM. Because of the absence oforiginal surface remnants on the KIM grains it is likely that the KIM source areas occurs to the northeast of (or up-ice from) the 1999 survey area.

A potentially significant observation regarding geochemical and mineralogical responses in this year's till sampling program has been made. Trace element geochemical responses and the abundances of kimberlite indicator elements are documented to be greatest in till samples collected from the northern portion of the study area. Additionally, dolomite percentages are significantly higher in this area of volcanic rock-dominated geology which suggests different provenance for tills in the north from those in the south portion of the survey area. One final difference in the surficial geology in the 1999 area that may have profound effects on sampling programs is the predominance of non-drumlinized till in the north versus the preponderance of drumlinized till in the south. Non-drumlinized till, on the basis of more significant geochemical responses and greater numbers of kimberlite indicator minerals may represent the preferred sampling medium for base and precious metals, and diamonds.

**Table 7. Summary of kimberlite indicator mineral grains, 1999 survey, southern Knee Lake greenstone belt.**

| Cr-Spinel | Chrome Diopside | Ti-Cr Pyrope | G9 | G10 | Mg-Ilmenite | Total KIM |
|---|---|---|---|---|---|---|
| 115 | 3 | 14 | 30 | 8 | 160 | 330 |




**Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples**

Figure 8: Regional distribution of Cr spinel grains.

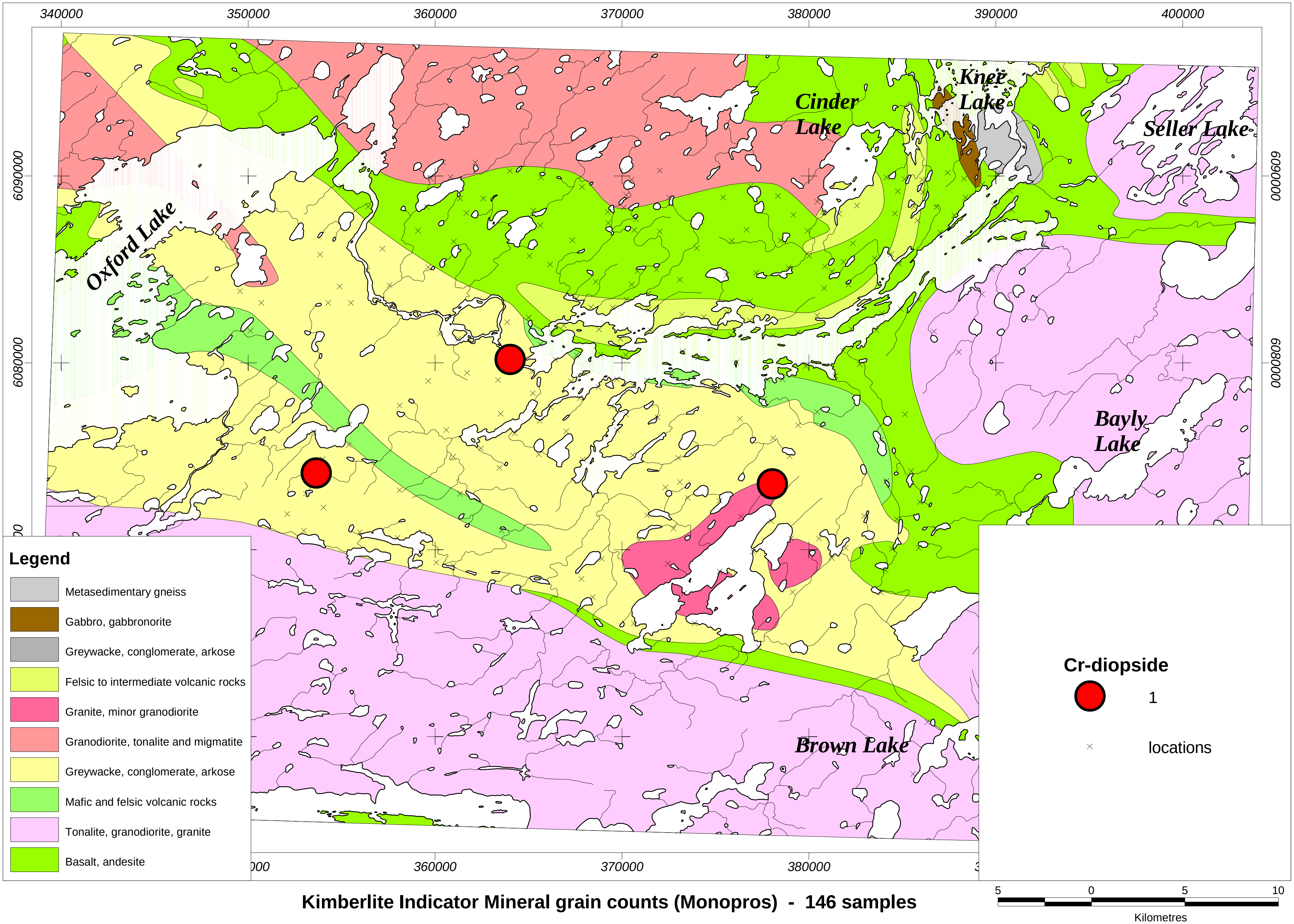



Figure 9: Regional distribution of Cr diopside grains.

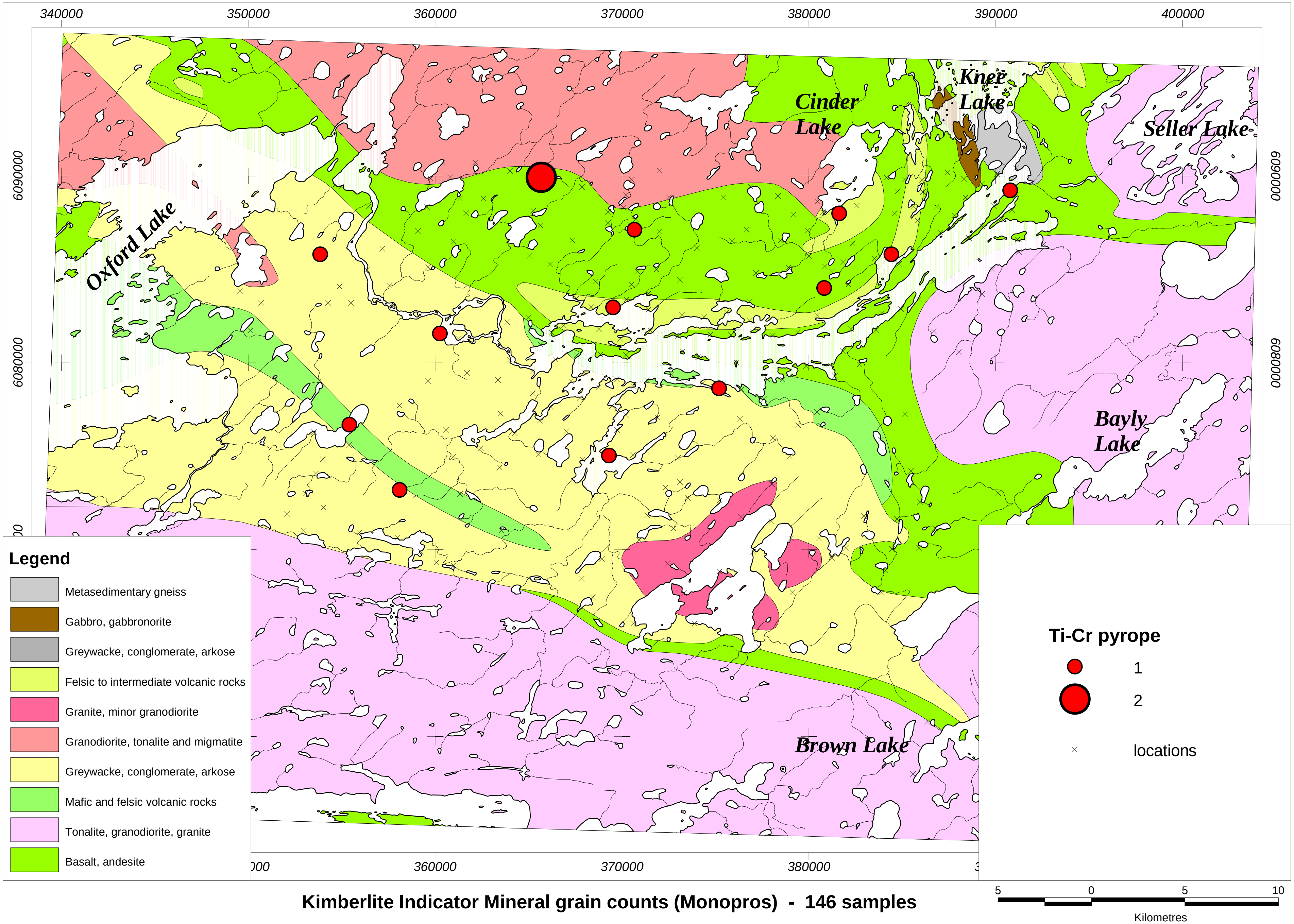
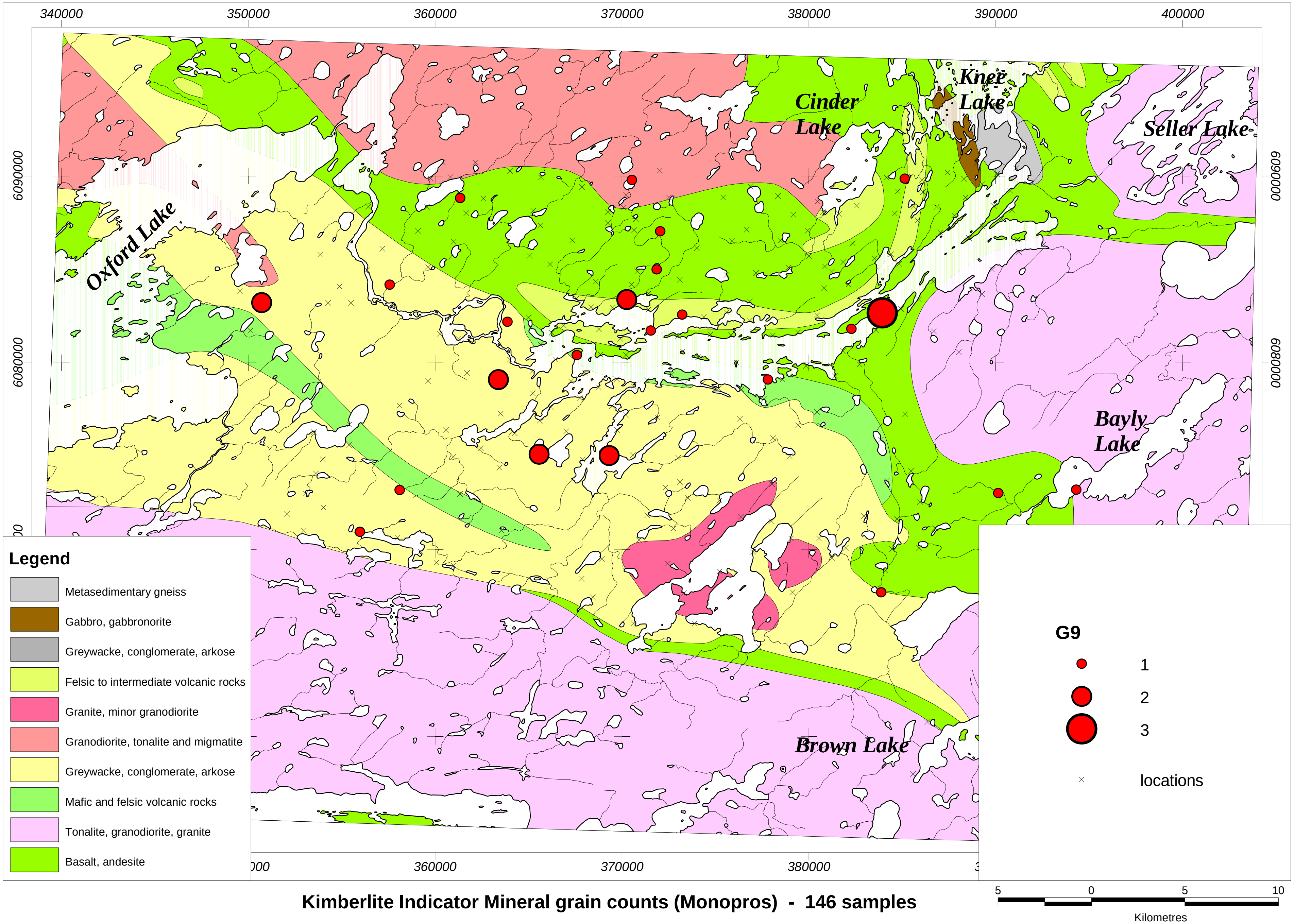
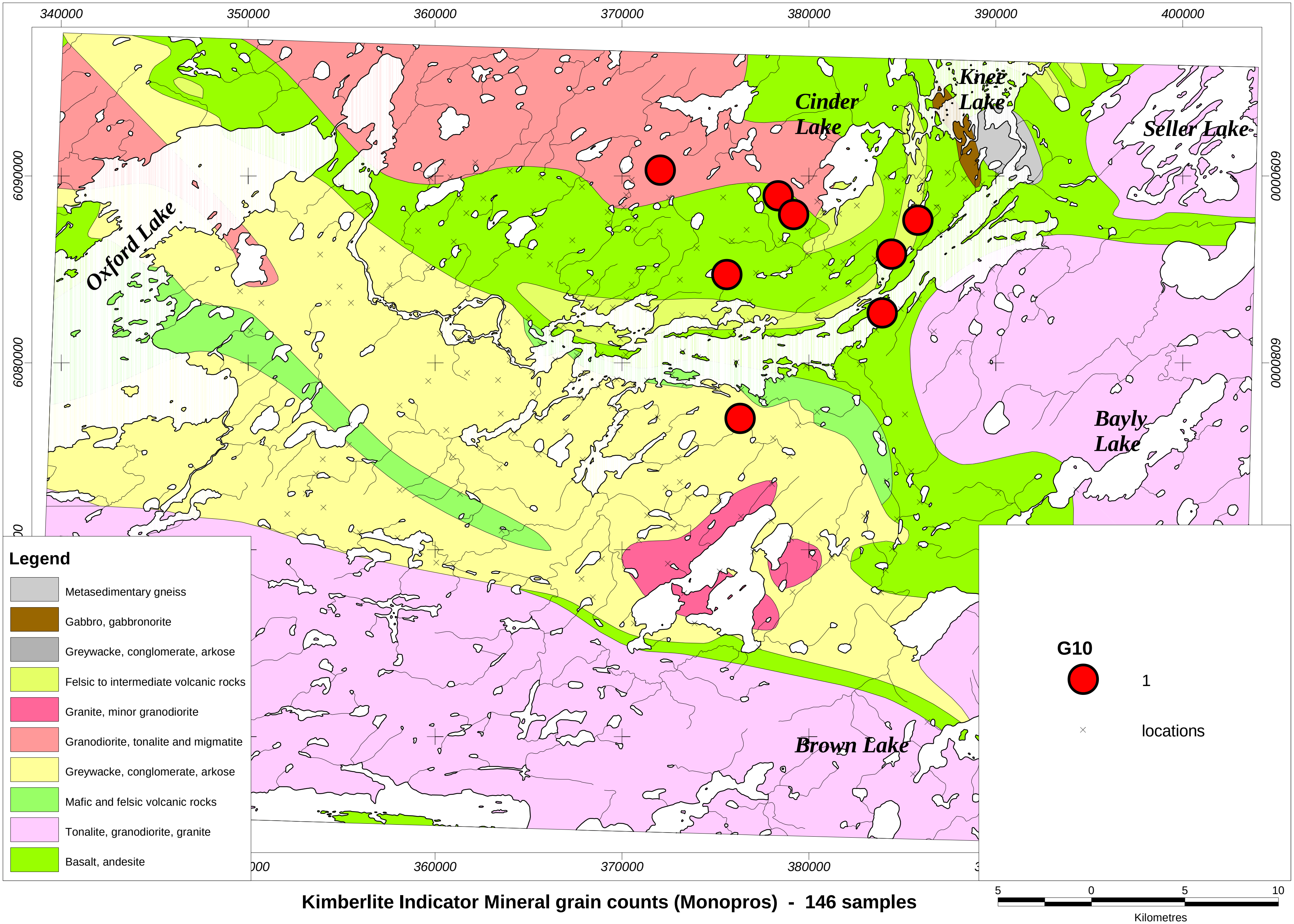



Figure 10: Regional distribution of Ti-Cr pyrope garnet grains.




**Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples**

Figure 11: Regional distribution of "G9" garnet grains.




**Kimberlite Indicator Mineral grain counts (Monopros) - 146 samples**

Figure 12: Regional distribution of "G10" garnet grains.

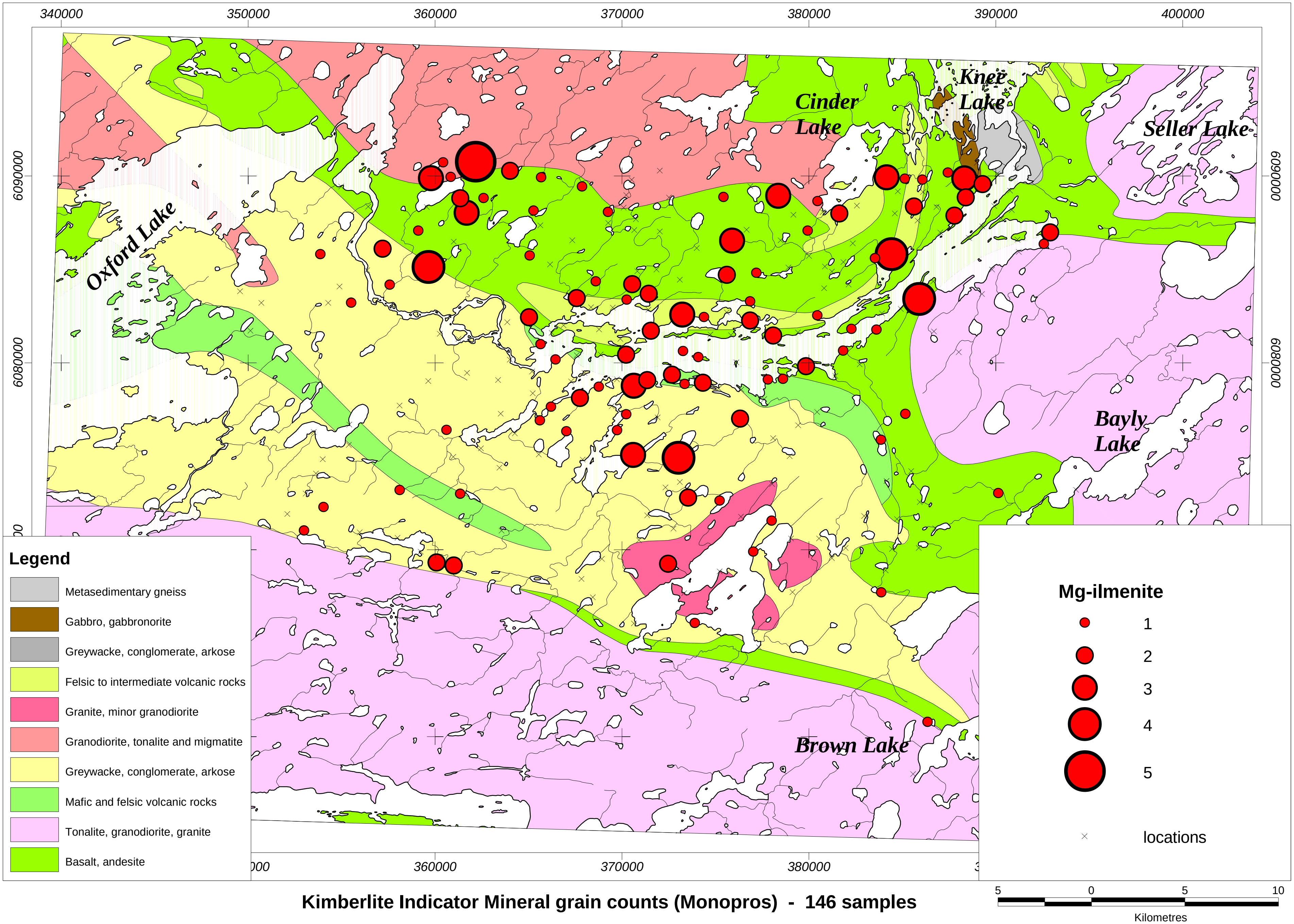



Figure 13: Regional distribution of magnesian ilmenite grains.

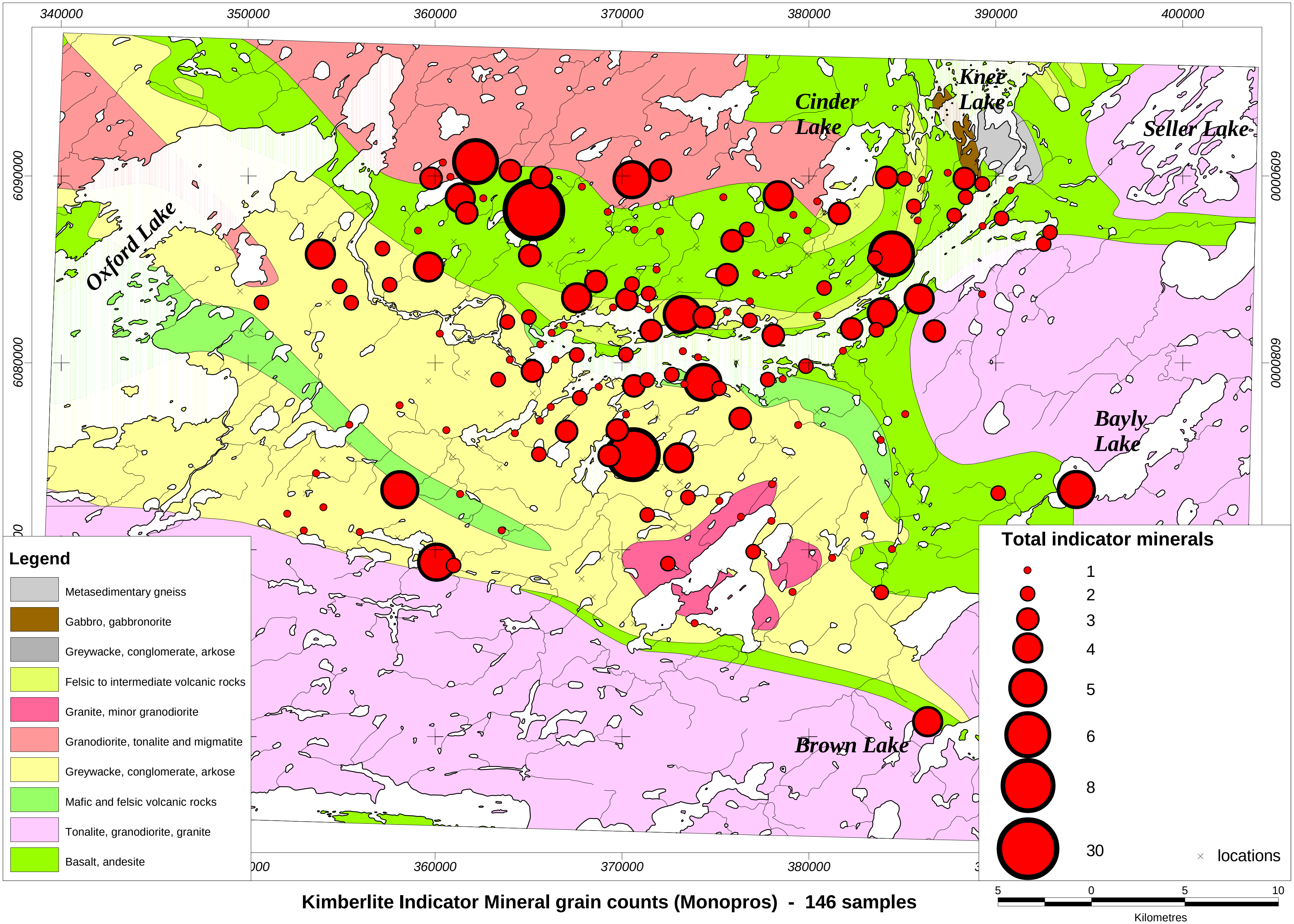



Figure 14: Regional distribution of total kimberlite indicator mineral (KIM) grains.

# Mineral Chemistry (Monopros Limited) and Classifications (1.0 mm).

| Sample Site | UTM Easting | UTM Northing | MnO % | $Na_2O$ % | $Al_2O_3$ % | FeO % | $SiO_2$ % | $TiO_2$ % | CaO % | $Cr_2O_3$ % | MgO % | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99T-10 | 380814.98 | 6083990.92 | 0.28 | 0.05 | 19.82 | 7.16 | 39.84 | 0.38 | 5.32 | 5.75 | 21.22 | 99.82 | titanian Cr-pyrope (G11) |
| 99T-29 | 390765.20 | 6089215.18 | 0.28 | 0.12 | 21.10 | 9.04 | 40.06 | 0.56 | 4.46 | 3.22 | 21.28 | 100.13 | titanian Cr-pyrope (G11) |
| 99T-40 | 392559.91 | 6086340.04 | 0.21 | 0.00 | 0.14 | 33.04 | 0.00 | 51.48 | 0.00 | 2.00 | 11.51 | 98.38 | magnesian ilmenite |
| 99T-70 | 377176.25 | 6084802.55 | 0.37 | 0.00 | 0.11 | 34.79 | 0.00 | 50.03 | 0.00 | 3.28 | 10.79 | 99.37 | magnesian ilmenite |
| 99T-94 | 361334.61 | 6088793.40 | 0.24 | 0.00 | 0.11 | 33.16 | 0.00 | 51.48 | 0.00 | 2.49 | 10.75 | 98.22 | magnesian ilmenite |
| 99T-126 | 359632.73 | 6085112.70 | 0.21 | 0.05 | 0.21 | 30.49 | 0.00 | 53.13 | 0.00 | 2.60 | 13.14 | 99.83 | magnesian ilmenite |
| 99T-126 | 359632.73 | 6085112.70 | 0.31 | 0.05 | 0.00 | 32.88 | 0.00 | 50.96 | 0.00 | 3.08 | 12.48 | 99.77 | magnesian ilmenite |
| 99T-146 | 388300.25 | 6089844.48 | 0.00 | 0.15 | 0.38 | 91.14 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 91.69 | magnetite |
| 99T-201 | 371334.99 | 6079065.23 | 0.36 | 0.00 | 0.02 | 33.15 | 0.00 | 52.72 | 0.00 | 2.25 | 11.12 | 99.62 | magnesian ilmenite |
| 99T-223 | 355505.67 | 6083205.01 | 0.37 | 0.11 | 0.00 | 35.61 | 0.00 | 49.33 | 0.00 | 3.87 | 10.82 | 100.10 | magnesian ilmenite |
| 99T-245 | 373013.86 | 6074903.92 | 0.24 | 0.00 | 0.15 | 30.71 | 0.00 | 52.55 | 0.00 | 2.67 | 13.26 | 99.58 | magnesian ilmenite |
| 99T-292 | 372658.22 | 6079359.51 | 0.25 | 0.11 | 0.00 | 33.13 | 0.00 | 50.63 | 0.00 | 3.26 | 11.68 | 99.06 | magnesian ilmenite |
| 99T-292 | 372658.22 | 6079359.51 | 0.28 | 0.04 | 0.00 | 32.91 | 0.00 | 50.80 | 0.00 | 2.86 | 11.59 | 98.47 | magnesian ilmenite |
| 99T-293 | 373332.21 | 6078856.12 | 0.26 | 0.02 | 0.00 | 34.31 | 0.00 | 50.20 | 0.00 | 3.52 | 10.69 | 99.00 | magnesian ilmenite |

# Mineral Chemistry (Monopros Limited) and Classifications (0.5 mm).

| Sample Site | UTM | | MnO | Na2O | Al2O3 | FeO | SiO2 | TiO2 | CaO | Cr2O3 | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-5 | 386340.97 | 6060776.00 | 0.14 | 0.33 | 0.00 | 91.57 | 0.00 | 0.09 | 0.00 | 3.65 | 0.00 | 95.78 | magnetite |
| 99T-12 | 384139.45 | 6089907.45 | 0.18 | 0.25 | 0.07 | 33.99 | 0.00 | 51.32 | 0.00 | 2.56 | 10.83 | 99.20 | magnesian ilmenite |
| 99T-12 | 384139.45 | 6089907.45 | 0.36 | 0.15 | 0.00 | 34.24 | 0.00 | 49.55 | 0.00 | 4.47 | 10.86 | 99.63 | magnesian ilmenite |
| 99T-18 | 384402.98 | 6085799.86 | 0.20 | 0.21 | 21.80 | 9.07 | 42.45 | 0.46 | 3.70 | 1.64 | 20.48 | 100.01 | titanian Cr-pyrope (G1) |
| 99T-19 | 383518.94 | 6085591.65 | 0.20 | 0.07 | 0.00 | 31.40 | 0.00 | 50.82 | 0.00 | 4.75 | 12.83 | 100.08 | magnesian ilmenite |
| 99T-26 | 389273.35 | 6089551.83 | 0.28 | 0.13 | 0.00 | 37.15 | 0.00 | 49.18 | 0.00 | 2.96 | 9.77 | 99.47 | magnesian ilmenite |
| 99T-26 | 389273.35 | 6089551.83 | 0.16 | 0.09 | 0.13 | 33.08 | 0.00 | 51.38 | 0.00 | 2.42 | 11.03 | 98.30 | magnesian ilmenite |
| 99T-26 | 389273.35 | 6089551.83 | 0.21 | 0.28 | 0.03 | 93.42 | 0.00 | 0.04 | 0.00 | 0.01 | 0.00 | 93.99 | magnetite |
| 99T-31 | 387776.64 | 6087871.04 | 0.15 | 0.07 | 0.00 | 33.74 | 0.00 | 51.44 | 0.00 | 3.68 | 11.59 | 100.67 | magnesian ilmenite |
| 99T-31 | 387776.64 | 6087871.04 | 0.34 | 0.07 | 0.00 | 34.40 | 0.00 | 50.44 | 0.00 | 3.25 | 11.20 | 99.71 | magnesian ilmenite |
| 99T-39 | 392898.97 | 6086971.53 | 0.17 | 0.00 | 0.00 | 33.91 | 0.00 | 50.15 | 0.00 | 3.43 | 11.88 | 99.55 | magnesian ilmenite |
| 99T-43 | 389804.68 | 6084999.49 | 0.05 | 0.00 | 0.00 | 95.32 | 0.00 | 0.09 | 0.00 | 0.00 | 0.15 | 95.62 | magnetite |
| 99T-48 | 383904.64 | 6082648.05 | 0.23 | 0.20 | 21.10 | 7.74 | 40.85 | 0.18 | 4.63 | 3.16 | 20.89 | 99.00 | non-titanian Cr-pyrope (G9) |
| 99T-48 | 383904.64 | 6082648.05 | 0.26 | 0.07 | 22.54 | 15.11 | 40.08 | 0.22 | 9.67 | 0.09 | 11.87 | 99.91 | non-titanian Cr-pyrope (G7) |
| 99T-50 | 387427.39 | 6090166.15 | 0.24 | 0.26 | 0.17 | 31.91 | 0.00 | 51.60 | 0.00 | 3.41 | 12.80 | 100.40 | magnesian ilmenite |
| 99T-50 | 387427.39 | 6090166.15 | 0.07 | 0.02 | 0.00 | 94.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 94.47 | magnetite |
| 99T-53 | 381611.17 | 6087984.39 | 0.53 | 0.25 | 21.64 | 9.84 | 41.64 | 0.49 | 4.26 | 1.62 | 19.52 | 99.80 | titanian Cr-pyrope (G1) |
| 99T-53 | 381611.17 | 6087984.39 | 0.23 | 0.07 | 0.12 | 34.15 | 0.00 | 50.71 | 0.00 | 3.26 | 10.59 | 99.14 | magnesian ilmenite |
| 99T-53 | 381611.17 | 6087984.39 | 0.34 | 0.09 | 0.00 | 33.96 | 0.00 | 50.97 | 0.00 | 3.50 | 11.11 | 99.96 | magnesian ilmenite |
| 99T-53 | 381611.17 | 6087984.39 | 0.00 | 0.34 | 0.09 | 94.65 | 0.00 | 0.10 | 0.00 | 0.01 | 0.00 | 95.18 | magnetite |
| 99T-56 | 384593.57 | 6087985.36 | 0.36 | 0.13 | 0.13 | 93.70 | 0.00 | 0.35 | 0.00 | 0.04 | 0.11 | 94.83 | magnetite |
| 99T-64 | 370818.75 | 6084894.62 | 0.17 | 0.13 | 0.00 | 94.77 | 0.00 | 0.02 | 0.00 | 0.11 | 0.00 | 95.20 | magnetite |
| 99T-67 | 369512.90 | 6082951.85 | 0.28 | 0.09 | 20.22 | 7.57 | 40.53 | 0.30 | 4.91 | 5.69 | 21.28 | 100.87 | titanian Cr-pyrope (G11) |
| 99T-71 | 375594.28 | 6084702.04 | 0.24 | 0.17 | 0.12 | 33.27 | 0.00 | 51.79 | 0.00 | 2.25 | 11.73 | 99.57 | magnesian ilmenite |
| 99T-71 | 375594.28 | 6084702.04 | 0.17 | 0.07 | 0.02 | 34.03 | 0.00 | 51.52 | 0.00 | 2.80 | 10.28 | 98.90 | magnesian ilmenite |
| 99T-73 | 370656.16 | 6087109.32 | 0.18 | 0.07 | 21.64 | 7.97 | 40.20 | 0.38 | 4.88 | 4.29 | 20.43 | 100.05 | titanian Cr-pyrope (G11) |
| 99T-75 | 367566.14 | 6083452.59 | 0.21 | 0.14 | 0.00 | 38.57 | 0.00 | 48.67 | 0.00 | 3.18 | 9.11 | 99.87 | magnesian ilmenite |
| 99T-75 | 367566.14 | 6083452.59 | 0.29 | 0.13 | 0.12 | 32.64 | 0.00 | 50.90 | 0.00 | 2.96 | 11.98 | 99.03 | magnesian ilmenite |
| 99T-75 | 367566.14 | 6083452.59 | 0.07 | 0.07 | 0.05 | 93.25 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 93.46 | magnetite |
| 99T-75 | 367566.14 | 6083452.59 | 0.07 | 0.07 | 0.18 | 93.69 | 0.00 | 0.21 | 0.00 | 0.00 | 0.01 | 94.23 | magnetite |
| 99T-75 | 367566.14 | 6083452.59 | 0.50 | 0.09 | 19.06 | 28.30 | 0.00 | 0.42 | 0.00 | 43.30 | 8.08 | 99.76 | Cr-spinel |
| 99T-80 | 371536.33 | 6081711.47 | 0.34 | 0.18 | 21.08 | 7.66 | 39.92 | 0.21 | 4.79 | 4.09 | 20.80 | 99.08 | non-titanian Cr-pyrope (G9) |
| 99T-80 | 371536.33 | 6081711.47 | 0.37 | 0.27 | 0.00 | 33.88 | 0.00 | 51.42 | 0.00 | 2.51 | 11.39 | 99.84 | magnesian ilmenite |
| 99T-84 | 370517.90 | 6089778.24 | 0.37 | 0.21 | 21.08 | 7.26 | 39.63 | 0.13 | 5.44 | 5.66 | 19.55 | 99.34 | non-titanian Cr-pyrope (G9) |
| 99T-89 | 359762.87 | 6089860.45 | 0.25 | 0.13 | 0.00 | 36.03 | 0.00 | 50.41 | 0.00 | 2.76 | 9.55 | 99.14 | magnesian ilmenite |
| 99T-93 | 360817.18 | 6089935.46 | 0.35 | 0.34 | 0.29 | 30.26 | 0.00 | 52.53 | 0.00 | 3.95 | 12.54 | 100.26 | magnesian ilmenite |
| 99T-94 | 361334.61 | 6088793.40 | 0.13 | 0.00 | 0.48 | 29.09 | 0.00 | 54.43 | 0.00 | 1.62 | 14.62 | 100.37 | magnesian ilmenite |
| 99T-97 | 361670.11 | 6088011.47 | 0.20 | 0.11 | 0.00 | 35.11 | 0.00 | 49.10 | 0.00 | 3.93 | 11.03 | 99.48 | magnesian ilmenite |
| 99T-100 | 365660.55 | 6089907.35 | 0.31 | 0.18 | 20.63 | 7.68 | 40.73 | 0.43 | 5.96 | 3.90 | 20.75 | 100.58 | titanian Cr-pyrope (G11) |
| 99T-100 | 365660.55 | 6089907.35 | 0.29 | 0.21 | 21.16 | 7.11 | 40.72 | 0.44 | 5.68 | 4.29 | 20.71 | 100.59 | titanian Cr-pyrope (G11) |
| 99T-101 | 364004.46 | 6090265.61 | 0.07 | 0.19 | 0.02 | 33.93 | 0.00 | 50.55 | 0.00 | 3.12 | 12.49 | 100.37 | magnesian ilmenite |
| 99T-105 | 369243.39 | 6088065.28 | 0.18 | 0.09 | 0.07 | 33.03 | 0.00 | 51.90 | 0.00 | 3.16 | 11.53 | 99.96 | magnesian ilmenite |
| 99T-109 | 368585.13 | 6084340.09 | 0.25 | 0.01 | 0.00 | 32.88 | 0.00 | 51.54 | 0.00 | 2.73 | 11.53 | 98.95 | magnesian ilmenite |
| 99T-111 | 371414.93 | 6082844.68 | 0.03 | 0.36 | 0.00 | 93.99 | 0.01 | 0.09 | 0.00 | 0.00 | 0.18 | 94.67 | magnetite |
| 99T-111 | 371414.93 | 6082844.68 | 0.02 | 0.15 | 0.00 | 93.49 | 0.00 | 0.35 | 0.00 | 0.01 | 0.04 | 94.07 | magnetite |

| Sample Site | UTM | | MnO | Na2O | Al2O3 | FeO | SiO2 | TiO2 | CaO | Cr2O3 | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-111 | 371414.93 | 6082844.68 | 0.03 | 0.26 | 0.00 | 94.24 | 0.00 | 0.07 | 0.00 | 0.00 | 0.11 | 94.71 | magnetite |
| 99T-111 | 371414.93 | 6082844.68 | 0.02 | 0.26 | 0.00 | 94.44 | 0.00 | 0.02 | 0.00 | 0.00 | 0.28 | 95.03 | magnetite |
| 99T-111 | 371414.93 | 6082844.68 | 0.26 | 0.00 | 14.92 | 29.12 | 0.03 | 0.21 | 0.00 | 50.71 | 5.79 | 101.03 | Cr-spinel |
| 99T-112 | 373206.39 | 6082560.89 | 0.39 | 0.09 | 21.27 | 8.02 | 40.44 | 0.05 | 4.73 | 4.32 | 21.18 | 100.50 | non-titanian Cr-pyrope (G9) |
| 99T-112 | 373206.39 | 6082560.89 | 0.31 | 0.09 | 0.05 | 34.76 | 0.00 | 51.41 | 0.00 | 2.18 | 10.99 | 99.79 | magnesian ilmenite |
| 99T-114 | 375612.85 | 6082701.79 | 0.35 | 0.11 | 15.46 | 21.71 | 0.00 | 0.13 | 0.00 | 52.26 | 10.53 | 100.54 | Cr-spinel |
| 99T-116 | 376836.61 | 6082259.30 | 0.27 | 0.09 | 0.00 | 31.13 | 0.00 | 50.70 | 0.00 | 4.42 | 11.84 | 98.45 | magnesian ilmenite |
| 99T-118 | 380435.24 | 6082526.84 | 0.32 | 0.16 | 0.00 | 40.95 | 0.00 | 45.71 | 0.00 | 3.07 | 8.87 | 99.08 | magnesian ilmenite |
| 99T-118 | 380435.24 | 6082526.84 | 0.24 | 0.15 | 0.08 | 94.42 | 0.00 | 0.03 | 0.00 | 0.10 | 0.00 | 95.02 | magnetite |
| 99T-118 | 380435.24 | 6082526.84 | 0.04 | 0.00 | 0.00 | 86.37 | 0.00 | 7.39 | 0.00 | 0.00 | 0.04 | 93.85 | hematite |
| 99T-123 | 357174.69 | 6086097.90 | 0.26 | 0.00 | 0.00 | 36.77 | 0.00 | 49.35 | 0.00 | 3.18 | 9.05 | 98.60 | magnesian ilmenite |
| 99T-123 | 357174.69 | 6086097.90 | 0.10 | 0.04 | 0.19 | 36.70 | 0.00 | 50.26 | 0.00 | 0.56 | 9.72 | 97.55 | magnesian ilmenite |
| 99T-124 | 362147.22 | 6090729.66 | 0.46 | 0.43 | 0.37 | 31.55 | 0.00 | 53.28 | 0.00 | 2.54 | 11.89 | 100.51 | magnesian ilmenite |
| 99T-126 | 359632.73 | 6085112.70 | 0.30 | 0.21 | 0.01 | 34.05 | 0.00 | 51.04 | 0.00 | 3.17 | 11.43 | 100.20 | magnesian ilmenite |
| 99T-126 | 359632.73 | 6085112.70 | 0.30 | 0.02 | 0.00 | 36.59 | 0.00 | 48.42 | 0.00 | 3.96 | 9.81 | 99.10 | magnesian ilmenite |
| 99T-127 | 359088.91 | 6087067.02 | 0.27 | 0.07 | 0.00 | 33.70 | 0.00 | 51.83 | 0.00 | 2.29 | 10.74 | 98.90 | magnesian ilmenite |
| 99T-134 | 353845.36 | 6085793.03 | 0.12 | 0.00 | 0.22 | 50.46 | 0.00 | 43.03 | 0.00 | 0.00 | 5.02 | 98.85 | ilmenite |
| 99T-135 | 354883.31 | 6084079.64 | 0.15 | 0.01 | 22.17 | 16.93 | 0.00 | 0.12 | 0.00 | 46.70 | 14.91 | 100.99 | Cr-spinel |
| 99T-139 | 357564.78 | 6084160.24 | 0.26 | 0.11 | 0.04 | 28.49 | 0.00 | 51.16 | 0.00 | 5.52 | 14.29 | 99.87 | magnesian ilmenite |
| 99T-140 | 363864.01 | 6082169.82 | 0.42 | 0.12 | 18.76 | 7.15 | 42.56 | 0.17 | 5.59 | 6.35 | 19.55 | 100.65 | non-titanian Cr-pyrope (G9) |
| 99T-145 | 365012.13 | 6082425.90 | 0.17 | 0.19 | 0.00 | 33.11 | 0.31 | 51.99 | 0.00 | 3.37 | 10.69 | 99.84 | magnesian ilmenite |
| 99T-145 | 365012.13 | 6082425.90 | 0.44 | 0.00 | 0.00 | 36.12 | 0.00 | 49.21 | 0.00 | 2.23 | 10.25 | 98.24 | magnesian ilmenite |
| 99T-146 | 388300.25 | 6089844.48 | 0.18 | 0.05 | 0.11 | 33.03 | 0.00 | 52.08 | 0.00 | 2.35 | 12.50 | 100.30 | magnesian ilmenite |
| 99T-148 | 373091.61 | 6084449.15 | 0.87 | 0.18 | 0.05 | 93.29 | 0.00 | 0.10 | 0.01 | 0.00 | 0.01 | 94.52 | magnetite |
| 99T-149 | 370525.75 | 6084197.53 | 0.28 | 0.11 | 0.00 | 33.75 | 0.00 | 51.54 | 0.00 | 2.85 | 11.39 | 99.92 | magnesian ilmenite |
| 99T-149 | 370525.75 | 6084197.53 | 0.40 | 0.00 | 0.00 | 43.68 | 0.00 | 45.76 | 0.00 | 1.85 | 8.18 | 99.86 | magnesian ilmenite |
| 99T-150 | 378340.48 | 6088920.71 | 0.18 | 0.05 | 0.33 | 33.39 | 0.00 | 51.77 | 0.00 | 2.34 | 12.52 | 100.60 | magnesian ilmenite |
| 99T-154 | 376668.36 | 6087121.26 | 0.71 | 0.08 | 16.58 | 32.42 | 0.00 | 0.13 | 0.00 | 42.52 | 6.35 | 98.79 | Cr-spinel |
| 99T-155 | 375877.60 | 6086516.58 | 0.21 | 0.11 | 0.00 | 33.99 | 0.00 | 51.25 | 0.00 | 2.76 | 11.73 | 100.05 | magnesian ilmenite |
| 99T-155 | 375877.60 | 6086516.58 | 0.08 | 0.23 | 0.04 | 32.03 | 0.00 | 51.88 | 0.00 | 3.44 | 12.12 | 99.81 | magnesian ilmenite |
| 99T-157 | 372027.71 | 6087027.04 | 0.03 | 0.36 | 0.00 | 94.29 | 0.00 | 0.04 | 0.00 | 0.05 | 0.00 | 94.78 | magnetite |
| 99T-201 | 371334.99 | 6079065.23 | 0.23 | 0.09 | 0.00 | 36.13 | 0.00 | 50.19 | 0.00 | 3.51 | 9.74 | 99.90 | magnesian ilmenite |
| 99T-203 | 369733.49 | 6079116.31 | 0.14 | 0.20 | 0.05 | 95.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.00 | 95.48 | magnetite |
| 99T-204 | 368745.75 | 6078704.52 | 0.22 | 0.00 | 0.19 | 34.51 | 0.00 | 51.38 | 0.00 | 3.13 | 10.83 | 100.27 | magnesian ilmenite |
| 99T-204 | 368745.75 | 6078704.52 | 0.00 | 0.00 | 0.11 | 93.68 | 0.00 | 0.19 | 0.00 | 0.02 | 0.00 | 94.00 | magnetite |
| 99T-205 | 367736.72 | 6078107.25 | 0.15 | 0.11 | 0.07 | 33.05 | 0.00 | 52.47 | 0.00 | 2.80 | 10.95 | 99.59 | magnesian ilmenite |
| 99T-211 | 368856.57 | 6080449.74 | 0.22 | 0.00 | 0.00 | 94.46 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 94.69 | magnetite |
| 99T-212 | 367569.80 | 6080402.33 | 0.20 | 0.13 | 0.39 | 29.90 | 0.00 | 52.92 | 0.00 | 3.41 | 13.27 | 100.21 | magnetite |
| 99T-213 | 365183.13 | 6079542.10 | 0.37 | 0.09 | 0.29 | 34.69 | 0.00 | 50.29 | 0.00 | 2.77 | 10.44 | 98.94 | magnetite |
| 99T-214 | 360603.87 | 6076390.98 | 0.00 | 0.13 | 0.00 | 95.68 | 0.00 | 0.03 | 0.00 | 0.04 | 0.04 | 95.92 | magnetite |
| 99T-221 | 360246.41 | 6081552.52 | 0.32 | 0.17 | 0.00 | 32.23 | 0.00 | 51.00 | 0.00 | 3.73 | 11.99 | 99.43 | magnetite |
| 99T-223 | 355505.67 | 6083205.01 | 0.22 | 0.00 | 14.65 | 22.18 | 0.00 | 0.44 | 0.00 | 52.26 | 11.34 | 101.09 | Cr-spinel |
| 99T-225 | 350702.40 | 6083206.61 | 0.31 | 0.05 | 18.87 | 7.36 | 41.55 | 0.08 | 6.43 | 6.78 | 19.37 | 100.80 | non-titanian Cr-pyrope (G9) |
| 99T-225 | 350702.40 | 6083206.61 | 0.34 | 0.17 | 20.33 | 7.50 | 40.56 | 0.22 | 4.90 | 5.62 | 20.65 | 100.30 | non-titanian Cr-pyrope (G9) |
| 99T-225 | 350702.40 | 6083206.61 | 0.25 | 0.11 | 0.00 | 33.58 | 0.00 | 51.82 | 0.00 | 2.84 | 10.32 | 98.91 | magnetite |
| 99T-227 | 355381.59 | 6075600.60 | 0.08 | 0.08 | 0.00 | 38.13 | 0.00 | 48.44 | 0.00 | 2.58 | 9.39 | 98.68 | magnetite |
| 99T-229 | 353511.14 | 6076295.59 | 0.21 | 0.11 | 0.00 | 32.12 | 0.00 | 52.20 | 0.00 | 2.40 | 12.63 | 99.68 | magnetite |
| 99T-229 | 353511.14 | 6076295.59 | 1.08 | 0.08 | 0.00 | 48.48 | 0.00 | 50.48 | 0.00 | 0.00 | 0.21 | 100.33 | ilmenite |

| Sample Site | UTM | | MnO | Na2O | Al2O3 | FeO | SiO2 | TiO2 | CaO | Cr2O3 | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-230 | 355405.44 | 6076684.24 | 0.21 | 0.02 | 0.22 | 94.88 | 0.00 | 0.03 | 0.00 | 0.00 | 0.04 | 95.41 | magnetite |
| 99T-230 | 355405.44 | 6076684.24 | 0.13 | 0.18 | 0.00 | 94.31 | 0.00 | 0.15 | 0.00 | 0.04 | 0.08 | 94.88 | magnetite |
| 99T-243 | 373883.08 | 6066058.33 | 0.41 | 0.11 | 0.02 | 33.48 | 0.00 | 51.15 | 0.00 | 3.42 | 11.44 | 100.04 | magnesian ilmenite |
| 99T-245 | 373013.86 | 6074903.92 | 0.10 | 0.11 | 0.01 | 34.82 | 0.00 | 50.58 | 0.00 | 3.23 | 12.05 | 100.90 | magnesian ilmenite |
| 99T-245 | 373013.86 | 6074903.92 | 0.24 | 0.04 | 0.00 | 35.59 | 0.00 | 49.94 | 0.00 | 3.16 | 10.37 | 99.33 | magnesian ilmenite |
| 99T-245 | 373013.86 | 6074903.92 | 0.29 | 0.11 | 0.01 | 35.02 | 0.00 | 50.70 | 0.00 | 2.16 | 10.78 | 99.07 | magnesian ilmenite |
| 99T-245 | 373013.86 | 6074903.92 | 0.04 | 0.18 | 0.00 | 94.16 | 0.00 | 0.06 | 0.00 | 0.03 | 0.08 | 94.55 | magnetite |
| 99T-248 | 363998.87 | 6080166.06 | 0.03 | 3.06 | 1.84 | 3.86 | 54.27 | 0.31 | 19.37 | 1.47 | 15.10 | 99.32 | Cr-diopside |
| 99T-249 | 366434.90 | 6080165.02 | 0.24 | 0.13 | 0.12 | 31.20 | 0.00 | 53.33 | 0.00 | 2.39 | 11.61 | 99.02 | magnesian ilmenite |
| 99T-250 | 365625.09 | 6080983.27 | 0.13 | 0.05 | 0.08 | 27.92 | 0.00 | 51.44 | 0.00 | 4.86 | 15.38 | 99.86 | magnesian ilmenite |
| 99T-253 | 369727.62 | 6076391.19 | 0.01 | 0.28 | 1.24 | 91.15 | 0.00 | 1.00 | 0.00 | 0.02 | 0.00 | 93.69 | magnetite |
| 99T-257 | 370578.92 | 6075052.05 | 0.29 | 0.06 | 0.00 | 35.88 | 0.00 | 48.60 | 0.00 | 3.42 | 9.75 | 98.00 | magnesian ilmenite |
| 99T-257 | 370578.92 | 6075052.05 | 0.47 | 0.15 | 0.00 | 47.82 | 0.00 | 50.27 | 0.00 | 0.01 | 1.05 | 99.77 | ilmenite |
| 99T-261 | 360063.93 | 6069315.74 | 0.38 | 0.00 | 0.00 | 35.12 | 0.00 | 50.71 | 0.00 | 2.47 | 10.74 | 99.41 | magnesian ilmenite |
| 99T-261 | 360063.93 | 6069315.74 | 0.37 | 0.00 | 0.00 | 33.99 | 0.00 | 49.93 | 0.00 | 3.37 | 10.77 | 98.43 | magnesian ilmenite |
| 99T-264 | 360989.77 | 6069149.40 | 0.38 | 0.00 | 0.04 | 29.29 | 0.00 | 52.30 | 0.00 | 4.29 | 12.92 | 99.23 | magnesian ilmenite |
| 99T-264 | 360989.77 | 6069149.40 | 0.16 | 0.24 | 0.18 | 31.05 | 0.00 | 52.72 | 0.00 | 2.80 | 12.33 | 99.49 | magnesian ilmenite |
| 99T-269 | 376364.81 | 6071760.41 | 0.12 | 0.07 | 0.00 | 93.38 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 93.63 | magnetite |
| 99T-271 | 383858.83 | 6067703.50 | 0.29 | 0.09 | 0.15 | 34.05 | 0.00 | 50.42 | 0.00 | 3.23 | 11.29 | 99.53 | magnesian ilmenite |
| 99T-276 | 385148.66 | 6077248.38 | 0.44 | 0.29 | 0.00 | 34.57 | 0.00 | 51.28 | 0.00 | 2.20 | 10.44 | 99.22 | magnesian ilmenite |
| 99T-279 | 376310.70 | 6077007.87 | 0.15 | 0.00 | 0.00 | 39.26 | 0.00 | 47.67 | 0.00 | 2.56 | 9.03 | 98.68 | magnesian ilmenite |
| 99T-281 | 379124.40 | 6067728.11 | 0.12 | 0.00 | 16.67 | 14.42 | 0.00 | 0.27 | 0.00 | 53.32 | 15.84 | 100.63 | Cr-spinel |
| 99T-284 | 383840.14 | 6075866.88 | 0.18 | 0.19 | 0.18 | 31.06 | 0.00 | 52.74 | 0.00 | 2.36 | 12.84 | 99.55 | magnesian ilmenite |
| 99T-292 | 372658.22 | 6079359.51 | 0.07 | 0.23 | 0.08 | 93.24 | 0.00 | 0.03 | 0.00 | 0.03 | 0.01 | 93.70 | magnetite |
| 99T-294 | 374312.89 | 6078921.40 | 0.21 | 0.00 | 0.11 | 34.52 | 0.00 | 49.47 | 0.00 | 3.48 | 11.13 | 98.91 | magnesian ilmenite |
| 99T-298 | 377794.68 | 6079094.31 | 0.31 | 0.20 | 21.63 | 7.72 | 41.55 | 0.24 | 4.56 | 3.82 | 20.80 | 100.83 | non-titanian Cr-pyrope (G9) |
| 99T-298 | 377794.68 | 6079094.31 | 0.26 | 0.15 | 0.00 | 48.89 | 0.00 | 48.17 | 0.00 | 0.18 | 0.39 | 98.04 | ilmenite |
| 99T-298 | 377794.68 | 6079094.31 | 0.08 | 0.06 | 0.07 | 38.52 | 0.00 | 50.61 | 0.00 | 0.07 | 9.26 | 98.68 | magnesian ilmenite |
| 99T-300 | 383601.49 | 6081754.27 | 0.30 | 0.05 | 16.21 | 16.27 | 0.00 | 0.29 | 0.00 | 53.39 | 13.79 | 100.30 | Cr-spinel |
| 99T-304 | 379828.87 | 6079816.74 | 0.14 | 0.00 | 0.06 | 32.80 | 0.00 | 52.42 | 0.00 | 2.86 | 11.63 | 99.91 | magnesian ilmenite |
| 99T-304 | 379828.87 | 6079816.74 | 0.18 | 0.04 | 0.00 | 32.07 | 0.00 | 50.46 | 0.00 | 4.69 | 12.53 | 99.97 | magnesian ilmenite |
| 99T-304 | 379828.87 | 6079816.74 | 0.37 | 0.19 | 7.42 | 36.83 | 0.01 | 2.13 | 0.00 | 50.55 | 2.05 | 99.55 | ilmenite |
| 99T-305 | 373257.01 | 6080611.99 | 0.21 | 0.00 | 0.01 | 33.89 | 0.00 | 51.45 | 0.00 | 2.28 | 12.04 | 99.88 | magnesian ilmenite |
| 99T-306 | 374075.08 | 6080290.59 | 0.18 | 0.01 | 0.00 | 29.33 | 0.00 | 52.10 | 0.00 | 3.96 | 14.94 | 100.54 | magnesian ilmenite |
| 99T-306 | 374075.08 | 6080290.59 | 0.01 | 0.15 | 0.00 | 93.20 | 0.00 | 0.07 | 0.01 | 0.06 | 0.00 | 93.51 | magnetite |
| 99T-308 | 378593.33 | 6079122.68 | 0.10 | 0.13 | 0.09 | 32.63 | 0.00 | 51.16 | 0.00 | 3.01 | 11.62 | 98.73 | magnesian ilmenite |
| 99T-310 | 378075.60 | 6081454.42 | 0.13 | 0.00 | 0.05 | 34.12 | 0.00 | 49.57 | 0.00 | 3.06 | 11.30 | 98.24 | magnesian ilmenite |
| 99T-312 | 374729.14 | 6081514.74 | 1.69 | 0.08 | 0.00 | 50.34 | 0.00 | 46.07 | 0.00 | 0.04 | 0.51 | 98.73 | ilmenite |
| 99T-320 | 378032.77 | 6073502.62 | 0.00 | 2.12 | 0.30 | 2.20 | 55.27 | 0.09 | 22.27 | 1.93 | 15.82 | 100.00 | Cr-diopside |
| 99T-326 | 367010.80 | 6076322.95 | 0.26 | 0.11 | 0.00 | 35.44 | 0.00 | 49.30 | 0.00 | 3.64 | 10.02 | 98.78 | magnesian ilmenite |
| 99T-334 | 353630.41 | 6074080.73 | 0.00 | 2.70 | 0.71 | 2.04 | 54.99 | 0.20 | 21.51 | 2.74 | 15.88 | 100.76 | Cr-diopside |
| 99T-338 | 358097.38 | 6073183.12 | 0.19 | 0.11 | 20.93 | 9.11 | 40.52 | 0.70 | 4.52 | 3.39 | 20.52 | 99.98 | titanian Cr-pyrope (G1) |
| 99T-338 | 358097.38 | 6073183.12 | 0.24 | 0.04 | 0.07 | 33.50 | 0.00 | 49.75 | 0.00 | 3.38 | 10.94 | 97.92 | magnesian ilmenite |
| 99T-339 | 358101.16 | 6077722.60 | 0.25 | 0.18 | 6.79 | 25.21 | 0.00 | 1.33 | 0.00 | 55.07 | 10.72 | 99.55 | Cr-spinel |
| 99T-341 | 363366.15 | 6079087.77 | 0.31 | 0.06 | 19.72 | 8.17 | 41.85 | 0.12 | 6.57 | 6.16 | 18.47 | 101.44 | non-titanian Cr-pyrope (G9) |
| 99T-343 | 365228.31 | 6078367.51 | 0.11 | 0.13 | 0.00 | 93.25 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 93.60 | magnetite |
| 99T-343 | 365228.31 | 6078367.51 | 0.00 | 0.00 | 0.00 | 94.75 | 0.00 | 0.05 | 0.01 | 0.12 | 0.00 | 94.92 | magnetite |

| Sample Site | UTM | | MnO | Na2O | Al2O3 | FeO | SiO2 | TiO2 | CaO | Cr2O3 | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-347 | 390123.06 | 6073013.81 | 0.58 | 0.10 | 22.03 | 8.05 | 41.46 | 0.03 | 5.03 | 3.25 | 20.30 | 100.84 | non-titanian Cr-pyrope (G9) |
| 99T-347 | 390123.06 | 6073013.81 | 0.24 | 0.11 | 0.00 | 32.14 | 0.00 | 49.94 | 0.00 | 4.63 | 13.16 | 100.22 | magnesian ilmenite |

# Mineral Chemistry (Monopros Limited) and Classifications (0.3 mm).

| Sample Site | UTM | | MnO | $Na_2O$ | $Al_2O_3$ | FeO | $SiO_2$ | $TiO_2$ | CaO | $Cr_2O_3$ | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-2 | 379928.11 | 6087059.58 | 1.44 | 0.04 | 0.00 | 48.85 | 0.00 | 48.84 | 0.00 | 0.00 | 0.00 | 99.17 | ilmenite |
| 99T-2 | 379928.11 | 6087059.58 | 0.24 | 0.10 | 0.06 | 42.64 | 0.00 | 46.34 | 0.00 | 2.99 | 7.39 | 99.77 | magnesian ilmenite |
| 99T-5 | 386340.97 | 6060776.00 | 1.09 | 0.00 | 6.41 | 32.86 | 0.00 | 0.10 | 0.00 | 56.63 | 2.77 | 99.85 | ilmenite |
| 99T-5 | 386340.97 | 6060776.00 | 0.22 | 0.21 | 0.09 | 37.37 | 0.00 | 51.02 | 0.00 | 0.03 | 10.74 | 99.67 | magnesian ilmenite |
| 99T-5 | 386340.97 | 6060776.00 | 0.33 | 0.02 | 18.21 | 36.11 | 0.00 | 0.32 | 0.00 | 35.69 | 7.33 | 98.01 | Cr-spinel |
| 99T-5 | 386340.97 | 6060776.00 | 0.58 | 0.00 | 2.29 | 49.92 | 0.00 | 0.39 | 0.00 | 42.64 | 2.22 | 98.03 | Cr-spinel |
| 99T-5 | 386340.97 | 6060776.00 | 0.14 | 0.09 | 44.82 | 15.30 | 0.00 | 0.07 | 0.00 | 22.37 | 18.39 | 101.16 | Cr-spinel |
| 99T-8 | 381843.70 | 6085393.08 | 0.28 | 0.00 | 0.00 | 93.29 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 93.62 | magnetite |
| 99T-10 | 380814.98 | 6083990.92 | 0.16 | 0.00 | 23.13 | 18.40 | 0.00 | 0.08 | 0.00 | 45.62 | 13.66 | 101.05 | Cr-spinel |
| 99T-12 | 384139.45 | 6089907.45 | 0.31 | 0.05 | 0.00 | 32.17 | 0.00 | 49.86 | 0.00 | 5.14 | 13.44 | 100.97 | magnesian ilmenite |
| 99T-13 | 385120.09 | 6089836.36 | 0.38 | 0.13 | 21.19 | 7.61 | 40.98 | 0.25 | 4.59 | 4.05 | 20.73 | 99.92 | non-titanian Cr-pyrope (G9) |
| 99T-13 | 385120.09 | 6089836.36 | 0.15 | 0.13 | 0.00 | 32.28 | 0.00 | 50.98 | 0.00 | 4.05 | 11.47 | 99.06 | magnesian ilmenite |
| 99T-14 | 386060.67 | 6089790.62 | 0.07 | 0.13 | 0.15 | 31.46 | 0.00 | 53.00 | 0.00 | 2.55 | 12.43 | 99.80 | magnesian ilmenite |
| 99T-15 | 385609.68 | 6088356.80 | 0.33 | 0.08 | 0.00 | 35.07 | 0.00 | 49.39 | 0.00 | 2.93 | 10.06 | 97.86 | magnesian ilmenite |
| 99T-15 | 385609.68 | 6088356.80 | 0.28 | 0.02 | 0.12 | 32.32 | 0.00 | 52.66 | 0.00 | 2.69 | 11.19 | 99.27 | magnesian ilmenite |
| 99T-18 | 384402.98 | 6085799.86 | 0.30 | 0.10 | 18.83 | 8.08 | 41.49 | 0.34 | 5.01 | 6.53 | 20.44 | 101.12 | non-titanian Cr-pyrope (G10) |
| 99T-18 | 384402.98 | 6085799.86 | 0.44 | 0.06 | 22.20 | 23.10 | 39.24 | 0.16 | 6.63 | 0.15 | 9.06 | 101.04 | eclogitic garnet |
| 99T-18 | 384402.98 | 6085799.86 | 1.43 | 0.11 | 6.57 | 34.62 | 0.00 | 0.18 | 0.00 | 56.19 | 1.33 | 100.42 | ilmenite |
| 99T-18 | 384402.98 | 6085799.86 | 0.23 | 0.04 | 0.00 | 41.91 | 0.00 | 45.65 | 0.00 | 3.08 | 7.80 | 98.70 | magnesian ilmenite |
| 99T-18 | 384402.98 | 6085799.86 | 0.24 | 0.23 | 0.01 | 32.68 | 0.00 | 52.32 | 0.00 | 2.33 | 11.29 | 99.09 | magnesian ilmenite |
| 99T-18 | 384402.98 | 6085799.86 | 0.18 | 0.28 | 0.25 | 40.39 | 0.00 | 50.56 | 0.00 | 0.23 | 8.22 | 100.11 | magnesian ilmenite |
| 99T-18 | 384402.98 | 6085799.86 | 0.41 | 0.15 | 0.00 | 36.62 | 0.00 | 50.15 | 0.00 | 0.43 | 11.17 | 98.94 | magnesian ilmenite |
| 99T-19 | 383518.94 | 6085591.65 | 0.07 | 0.01 | 14.46 | 15.93 | 0.00 | 0.33 | 0.00 | 56.02 | 13.63 | 100.45 | Cr-spinel |
| 99T-27 | 388381.58 | 6088845.50 | 0.26 | 0.09 | 0.00 | 33.02 | 0.00 | 50.81 | 0.00 | 3.35 | 12.32 | 99.86 | magnesian ilmenite |
| 99T-27 | 388381.58 | 6088845.50 | 0.49 | 0.20 | 0.11 | 39.39 | 0.00 | 49.51 | 0.01 | 0.39 | 9.09 | 99.19 | magnesian ilmenite |
| 99T-32 | 389281.25 | 6087309.72 | 0.27 | 0.10 | 21.78 | 16.55 | 0.00 | 0.19 | 0.00 | 47.85 | 14.41 | 101.14 | Cr-spinel |
| 99T-33 | 387035.08 | 6086978.20 | 0.59 | 0.19 | 22.04 | 13.77 | 39.61 | 0.67 | 4.71 | 0.08 | 17.04 | 98.70 | eclogitic garnet |
| 99T-36 | 390299.61 | 6087715.51 | 0.14 | 0.02 | 8.04 | 22.26 | 0.01 | 2.20 | 0.00 | 51.70 | 15.84 | 100.20 | Cr-spinel |
| 99T-36 | 390299.61 | 6087715.51 | 0.13 | 0.09 | 8.80 | 24.73 | 0.00 | 3.67 | 0.00 | 47.30 | 15.47 | 100.20 | Cr-spinel |
| 99T-39 | 392898.97 | 6086971.53 | 0.28 | 0.05 | 0.00 | 31.31 | 0.00 | 50.92 | 0.00 | 3.81 | 12.71 | 99.08 | magnesian ilmenite |
| 99T-40 | 392559.91 | 6086340.04 | 0.42 | 0.11 | 6.06 | 45.71 | 0.00 | 0.61 | 0.00 | 42.82 | 3.82 | 99.55 | Cr-spinel |
| 99T-44 | 389261.00 | 6083667.72 | 0.13 | 0.25 | 0.00 | 47.16 | 0.00 | 50.94 | 0.00 | 0.01 | 0.64 | 99.13 | ilmenite |
| 99T-44 | 389261.00 | 6083667.72 | 0.05 | 0.18 | 10.46 | 34.21 | 0.00 | 5.87 | 0.00 | 38.19 | 10.78 | 99.73 | Cr-spinel |
| 99T-46 | 385883.41 | 6083393.71 | 0.15 | 0.04 | 0.91 | 30.79 | 0.00 | 53.91 | 0.00 | 0.82 | 13.72 | 100.32 | magnesian ilmenite |
| 99T-46 | 385883.41 | 6083393.71 | 0.37 | 0.33 | 15.92 | 25.42 | 0.00 | 1.00 | 0.00 | 49.56 | 7.21 | 99.80 | magnesian ilmenite |
| 99T-46 | 385883.41 | 6083393.71 | 1.24 | 0.13 | 0.00 | 50.47 | 0.00 | 48.15 | 0.00 | 0.00 | 0.07 | 100.05 | ilmenite |
| 99T-46 | 385883.41 | 6083393.71 | 0.20 | 0.00 | 0.25 | 30.53 | 0.00 | 51.92 | 0.00 | 2.62 | 12.68 | 98.19 | magnesian ilmenite |
| 99T-46 | 385883.41 | 6083393.71 | 0.21 | 0.00 | 7.84 | 26.94 | 0.00 | 3.00 | 0.00 | 48.43 | 13.69 | 100.12 | magnesian ilmenite |
| 99T-48 | 383904.64 | 6082648.05 | 0.24 | 0.12 | 21.30 | 8.04 | 40.50 | 0.15 | 5.16 | 3.34 | 19.87 | 98.73 | non-titanian Cr-pyrope (G9) |
| 99T-48 | 383904.64 | 6082648.05 | 0.32 | 0.13 | 19.36 | 6.74 | 40.84 | 0.39 | 4.71 | 5.45 | 20.87 | 98.82 | non-titanian Cr-pyrope (G10) |
| 99T-48 | 383904.64 | 6082648.05 | 2.39 | 0.02 | 0.00 | 46.67 | 0.00 | 51.97 | 0.00 | 0.00 | 0.21 | 101.26 | ilmenite |
| 99T-51 | 385816.88 | 6087616.81 | 0.35 | 0.05 | 20.03 | 7.31 | 41.37 | 0.10 | 4.73 | 5.05 | 20.23 | 99.22 | non-titanian Cr-pyrope (G10) |
| 99T-51 | 385816.88 | 6087616.81 | 1.87 | 0.04 | 0.00 | 50.10 | 0.00 | 46.88 | 0.00 | 0.00 | 0.18 | 99.07 | ilmenite |
| 99T-52 | 382575.20 | 6088407.01 | 2.23 | 0.00 | 0.00 | 47.74 | 0.00 | 49.08 | 0.00 | 0.00 | 0.44 | 99.49 | ilmenite |
| 99T-54 | 380446.70 | 6088630.40 | 0.23 | 0.15 | 0.00 | 34.20 | 0.00 | 51.29 | 0.00 | 2.97 | 11.06 | 99.91 | magnesian ilmenite |

| Sample Site | UTM | | MnO | $Na_2O$ | $Al_2O_3$ | FeO | $SiO_2$ | $TiO_2$ | CaO | $Cr_2O_3$ | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-57 | 380747.02 | 6088073.86 | 0.43 | 0.00 | 0.11 | 74.30 | 0.00 | 16.43 | 0.09 | 0.00 | 0.00 | 91.36 | Fe-Ti oxide |
| 99T-63 | 371851.38 | 6084985.15 | 0.34 | 0.05 | 20.76 | 7.72 | 41.21 | 0.07 | 4.69 | 4.55 | 20.56 | 99.94 | non-titanian Cr-pyrope (G9) |
| 99T-65 | 371421.23 | 6083690.52 | 0.12 | 0.13 | 0.00 | 25.61 | 0.00 | 54.23 | 0.01 | 4.51 | 15.84 | 100.45 | magnesian ilmenite |
| 99T-65 | 371421.23 | 6083690.52 | 0.24 | 0.06 | 0.04 | 35.16 | 0.00 | 50.17 | 0.00 | 3.86 | 9.81 | 99.34 | magnesian ilmenite |
| 99T-65 | 371421.23 | 6083690.52 | 0.43 | 0.21 | 0.00 | 46.31 | 0.00 | 52.40 | 0.00 | 0.02 | 1.59 | 100.96 | ilmenite |
| 99T-66 | 370239.75 | 6083375.40 | 0.31 | 0.13 | 19.00 | 6.60 | 39.08 | 0.17 | 5.76 | 7.48 | 21.38 | 99.91 | non-titanian Cr-pyrope (G9) |
| 99T-66 | 370239.75 | 6083375.40 | 0.48 | 0.16 | 20.48 | 8.65 | 42.12 | 0.03 | 5.27 | 4.63 | 18.36 | 100.18 | non-titanian Cr-pyrope (G9) |
| 99T-66 | 370239.75 | 6083375.40 | 0.40 | 0.07 | 0.00 | 31.87 | 0.00 | 51.22 | 0.00 | 3.81 | 11.34 | 98.71 | magnesian ilmenite |
| 99T-68 | 378482.32 | 6086547.36 | 0.21 | 0.00 | 15.78 | 30.92 | 0.00 | 0.48 | 0.00 | 46.51 | 6.59 | 100.50 | Cr-spinel |
| 99T-71 | 375594.28 | 6084702.04 | 0.43 | 0.13 | 18.13 | 7.40 | 40.84 | 0.19 | 5.25 | 8.06 | 20.88 | 101.31 | non-titanian Cr-pyrope (G10) |
| 99T-71 | 375594.28 | 6084702.04 | 0.38 | 0.10 | 22.73 | 18.23 | 39.39 | 0.13 | 8.42 | 0.04 | 11.21 | 100.61 | garnet |
| 99T-75 | 367566.14 | 6083452.59 | 0.16 | 0.00 | 35.34 | 14.65 | 0.00 | 0.29 | 0.00 | 32.05 | 18.49 | 100.98 | Cr-spinel |
| 99T-76 | 366875.73 | 6082011.38 | 0.29 | 0.00 | 14.35 | 23.70 | 0.00 | 0.46 | 0.00 | 52.08 | 9.53 | 100.41 | Cr-spinel |
| 99T-77 | 366237.10 | 6081599.59 | 0.22 | 0.15 | 8.41 | 29.67 | 0.06 | 4.51 | 0.00 | 42.76 | 13.93 | 99.72 | Cr-spinel |
| 99T-77 | 366237.10 | 6081599.59 | 0.02 | 0.47 | 0.00 | 93.00 | 0.00 | 0.01 | 0.00 | 0.05 | 0.00 | 93.55 | magnetite |
| 99T-80 | 371536.33 | 6081711.47 | 0.23 | 0.07 | 0.06 | 32.69 | 0.00 | 51.88 | 0.01 | 2.82 | 12.11 | 99.87 | magnesian ilmenite |
| 99T-83 | 372026.99 | 6090288.56 | 23.73 | 0.30 | 20.92 | 17.97 | 35.84 | 0.10 | 0.23 | 0.05 | 0.65 | 99.80 | spessartite |
| 99T-83 | 372026.99 | 6090288.56 | 0.15 | 0.12 | 20.08 | 7.15 | 41.72 | 0.40 | 4.69 | 5.96 | 20.76 | 101.03 | non-titanian Cr-pyrope (G10) |
| 99T-83 | 372026.99 | 6090288.56 | 0.07 | 0.02 | 13.28 | 23.88 | 0.04 | 1.90 | 0.00 | 45.84 | 14.92 | 99.95 | Cr-spinel |
| 99T-83 | 372026.99 | 6090288.56 | 0.25 | 0.02 | 8.10 | 33.43 | 0.00 | 4.26 | 0.00 | 40.89 | 10.29 | 97.23 | Cr-spinel |
| 99T-84 | 370517.90 | 6089778.24 | 0.41 | 0.11 | 4.81 | 28.28 | 0.05 | 0.24 | 0.12 | 63.91 | 2.75 | 100.68 | Cr-spinel |
| 99T-84 | 370517.90 | 6089778.24 | 0.21 | 0.03 | 16.51 | 14.43 | 0.00 | 0.27 | 0.00 | 54.05 | 14.70 | 100.20 | Cr-spinel |
| 99T-84 | 370517.90 | 6089778.24 | 0.34 | 0.04 | 8.52 | 29.49 | 0.00 | 0.16 | 0.00 | 52.97 | 7.25 | 98.77 | Cr-spinel |
| 99T-84 | 370517.90 | 6089778.24 | 0.42 | 0.18 | 12.60 | 26.40 | 0.00 | 0.25 | 0.00 | 53.32 | 7.10 | 100.26 | Cr-spinel |
| 99T-85 | 370224.45 | 6088963.94 | 0.18 | 0.02 | 0.60 | 47.24 | 0.00 | 44.02 | 0.00 | 0.02 | 5.82 | 97.89 | ilmenite |
| 99T-89 | 359762.87 | 6089860.45 | 0.12 | 0.04 | 0.11 | 33.16 | 0.00 | 53.15 | 0.00 | 2.41 | 10.72 | 99.70 | magnesian ilmenite |
| 99T-89 | 359762.87 | 6089860.45 | 0.07 | 0.09 | 0.06 | 31.07 | 0.00 | 50.30 | 0.00 | 4.85 | 12.75 | 99.20 | magnesian ilmenite |
| 99T-90 | 360419.16 | 6090713.89 | 0.13 | 0.02 | 0.01 | 40.65 | 0.00 | 48.31 | 0.00 | 0.89 | 7.87 | 97.88 | magnesian ilmenite |
| 99T-91 | 367854.62 | 6089411.77 | 2.00 | 0.19 | 21.59 | 27.79 | 38.01 | 0.15 | 6.99 | 0.09 | 3.88 | 100.68 | garnet |
| 99T-91 | 367854.62 | 6089411.77 | 0.11 | 0.07 | 0.07 | 31.77 | 0.00 | 52.75 | 0.00 | 3.33 | 11.96 | 100.07 | magnesian ilmenite |
| 99T-94 | 361334.61 | 6088793.40 | 0.66 | 0.08 | 20.71 | 9.91 | 40.33 | 0.01 | 6.51 | 4.00 | 16.94 | 99.16 | non-titanian Cr-pyrope (G7) |
| 99T-94 | 361334.61 | 6088793.40 | 0.21 | 0.16 | 6.91 | 28.05 | 0.00 | 3.84 | 0.00 | 45.56 | 14.30 | 99.03 | Cr-spinel |
| 99T-97 | 361670.11 | 6088011.47 | 0.00 | 0.15 | 0.00 | 90.13 | 0.01 | 0.03 | 0.00 | 0.08 | 0.00 | 90.40 | magnetite |
| 99T-97 | 361670.11 | 6088011.47 | 0.20 | 0.02 | 0.15 | 28.86 | 0.00 | 51.83 | 0.00 | 4.91 | 13.46 | 99.43 | magnesian ilmenite |
| 99T-97 | 361670.11 | 6088011.47 | 0.18 | 0.14 | 0.00 | 42.20 | 0.00 | 48.22 | 0.00 | 0.58 | 7.22 | 98.56 | magnesian ilmenite |
| 99T-100 | 365660.55 | 6089907.35 | 0.26 | 0.00 | 0.01 | 33.65 | 0.00 | 51.86 | 0.00 | 3.48 | 11.25 | 100.51 | magnesian ilmenite |
| 99T-101 | 364004.46 | 6090265.61 | 0.38 | 0.02 | 0.00 | 41.16 | 0.00 | 47.67 | 0.00 | 2.53 | 7.73 | 99.48 | magnesian ilmenite |
| 99T-101 | 364004.46 | 6090265.61 | 0.35 | 0.20 | 7.82 | 38.58 | 0.00 | 5.67 | 0.00 | 31.90 | 12.05 | 96.57 | Cr-spinel |
| 99T-102 | 365042.73 | 6085719.91 | 0.23 | 0.13 | 0.06 | 30.63 | 0.00 | 52.75 | 0.00 | 2.46 | 14.05 | 100.31 | magnesian ilmenite |
| 99T-102 | 365042.73 | 6085719.91 | 0.31 | 0.08 | 6.66 | 19.63 | 0.75 | 0.41 | 0.00 | 59.87 | 12.02 | 99.72 | Cr-spinel |
| 99T-102 | 365042.73 | 6085719.91 | 0.30 | 0.21 | 15.31 | 26.51 | 0.00 | 0.58 | 0.00 | 45.66 | 11.07 | 99.63 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 0.12 | 0.00 | 0.07 | 30.56 | 0.00 | 52.96 | 0.00 | 3.33 | 12.58 | 99.62 | magnesian ilmenite |
| 99T-104 | 365252.32 | 6088140.42 | 1.39 | 0.49 | 9.14 | 34.65 | 0.00 | 0.85 | 0.00 | 51.56 | 0.42 | 98.50 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 0.18 | 0.30 | 9.40 | 33.49 | 0.00 | 4.83 | 0.00 | 40.73 | 10.63 | 99.56 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.32 | 0.48 | 7.77 | 34.78 | 0.00 | 0.63 | 0.00 | 52.78 | 0.15 | 97.91 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.41 | 0.35 | 7.55 | 34.69 | 0.07 | 0.85 | 0.07 | 52.83 | 0.23 | 98.05 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.48 | 0.63 | 7.83 | 35.43 | 0.00 | 0.60 | 0.00 | 53.80 | 0.39 | 100.17 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.38 | 0.43 | 7.41 | 35.20 | 0.00 | 0.64 | 0.00 | 53.79 | 0.33 | 99.17 | Cr-spinel |

| Sample Site | UTM | | MnO | $Na_2O$ | $Al_2O_3$ | FeO | $SiO_2$ | $TiO_2$ | CaO | $Cr_2O_3$ | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-104 | 365252.32 | 6088140.42 | 1.32 | 0.41 | 8.45 | 35.41 | 0.00 | 0.74 | 0.00 | 53.54 | 0.39 | 100.26 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.47 | 0.22 | 7.63 | 34.97 | 0.00 | 0.56 | 0.00 | 55.18 | 0.18 | 100.22 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.36 | 0.37 | 7.91 | 35.19 | 0.00 | 0.63 | 0.00 | 52.88 | 0.80 | 99.15 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.56 | 0.11 | 8.31 | 35.12 | 0.00 | 0.67 | 0.00 | 53.63 | 0.30 | 99.69 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.50 | 0.54 | 7.87 | 35.50 | 0.03 | 0.63 | 0.00 | 53.46 | 0.36 | 99.89 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.32 | 0.19 | 9.25 | 35.59 | 0.00 | 0.76 | 0.00 | 52.58 | 0.21 | 99.90 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.76 | 0.54 | 7.93 | 34.59 | 0.00 | 0.73 | 0.00 | 54.38 | 0.18 | 100.11 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.37 | 0.51 | 8.10 | 35.76 | 0.00 | 0.65 | 0.00 | 53.96 | 0.53 | 100.89 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.49 | 0.32 | 8.22 | 34.72 | 0.00 | 0.61 | 0.00 | 53.31 | 0.09 | 98.76 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.67 | 0.56 | 7.18 | 34.01 | 0.00 | 0.58 | 0.00 | 54.61 | 0.21 | 98.82 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.43 | 0.24 | 8.11 | 34.43 | 0.05 | 0.80 | 0.12 | 52.16 | 0.40 | 97.74 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.69 | 0.33 | 7.77 | 34.64 | 0.01 | 0.89 | 0.09 | 52.65 | 0.25 | 98.32 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.68 | 0.30 | 6.86 | 34.20 | 0.14 | 0.71 | 0.09 | 53.89 | 0.43 | 98.31 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.61 | 0.60 | 8.15 | 34.74 | 0.00 | 0.62 | 0.00 | 52.41 | 0.42 | 98.55 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 0.09 | 0.14 | 17.29 | 15.36 | 0.00 | 0.33 | 0.00 | 53.12 | 14.68 | 101.00 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.73 | 0.39 | 7.97 | 35.38 | 0.00 | 0.68 | 0.00 | 52.45 | 0.36 | 98.95 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.52 | 0.06 | 7.58 | 35.75 | 0.00 | 0.66 | 0.00 | 52.58 | 0.18 | 98.33 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.78 | 0.37 | 8.82 | 34.81 | 0.07 | 0.59 | 0.10 | 51.13 | 0.25 | 97.90 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.63 | 0.17 | 7.88 | 34.28 | 0.01 | 0.63 | 0.10 | 52.74 | 0.49 | 97.94 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.58 | 0.17 | 8.31 | 35.61 | 0.00 | 0.55 | 0.00 | 51.54 | 0.18 | 97.94 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.51 | 0.43 | 7.26 | 34.21 | 0.00 | 0.65 | 0.00 | 53.83 | 0.51 | 98.40 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.47 | 0.61 | 7.82 | 34.45 | 0.12 | 0.69 | 0.08 | 52.35 | 0.66 | 98.25 | Cr-spinel |
| 99T-104 | 365252.32 | 6088140.42 | 1.50 | 0.32 | 7.89 | 35.48 | 0.00 | 0.68 | 0.00 | 53.70 | 0.21 | 99.78 | Cr-spinel |
| 99T-109 | 368585.13 | 6084340.09 | 0.15 | 0.04 | 8.05 | 23.67 | 0.00 | 3.04 | 0.00 | 51.22 | 11.67 | 97.84 | Cr-spinel |
| 99T-109 | 368585.13 | 6084340.09 | 0.15 | 0.00 | 14.86 | 24.08 | 0.00 | 0.58 | 0.00 | 51.09 | 10.22 | 100.97 | Cr-spinel |
| 99T-112 | 373206.39 | 6082560.89 | 0.39 | 0.09 | 0.00 | 35.46 | 0.00 | 48.84 | 0.00 | 3.74 | 10.74 | 99.26 | magnesian ilmenite |
| 99T-112 | 373206.39 | 6082560.89 | 0.21 | 0.09 | 0.00 | 32.47 | 0.00 | 52.64 | 0.00 | 2.70 | 12.43 | 100.55 | magnesian ilmenite |
| 99T-112 | 373206.39 | 6082560.89 | 0.20 | 0.08 | 9.73 | 30.33 | 0.00 | 4.92 | 0.00 | 42.70 | 11.41 | 99.35 | Cr-spinel |
| 99T-113 | 374372.83 | 6082434.83 | 0.31 | 0.17 | 0.00 | 34.68 | 0.00 | 49.71 | 0.00 | 3.57 | 10.14 | 98.57 | magnesian ilmenite |
| 99T-113 | 374372.83 | 6082434.83 | 0.13 | 0.05 | 13.20 | 23.74 | 0.00 | 2.42 | 0.00 | 48.44 | 12.81 | 100.80 | Cr-spinel |
| 99T-113 | 374372.83 | 6082434.83 | 0.30 | 0.21 | 17.83 | 17.11 | 0.00 | 0.21 | 0.00 | 50.58 | 13.81 | 100.04 | Cr-spinel |
| 99T-115 | 376837.58 | 6083283.99 | 0.34 | 0.34 | 0.00 | 33.51 | 0.00 | 51.62 | 0.00 | 2.26 | 11.72 | 99.81 | magnesian ilmenite |
| 99T-116 | 376836.61 | 6082259.30 | 0.22 | 0.09 | 0.25 | 30.44 | 0.00 | 52.81 | 0.00 | 2.81 | 13.07 | 99.69 | magnesian ilmenite |
| 99T-124 | 362147.22 | 6090729.66 | 0.14 | 0.26 | 0.15 | 30.24 | 0.00 | 52.50 | 0.00 | 2.54 | 12.58 | 98.41 | magnesian ilmenite |
| 99T-124 | 362147.22 | 6090729.66 | 0.13 | 0.20 | 0.13 | 31.78 | 0.00 | 52.31 | 0.00 | 3.31 | 12.73 | 100.61 | magnesian ilmenite |
| 99T-124 | 362147.22 | 6090729.66 | 0.37 | 0.05 | 1.42 | 24.78 | 35.38 | 3.28 | 32.66 | 0.10 | 0.32 | 98.37 | Fe-Ti oxide |
| 99T-124 | 362147.22 | 6090729.66 | 0.07 | 0.03 | 0.26 | 30.31 | 0.00 | 52.86 | 0.00 | 2.60 | 13.79 | 99.93 | magnesian ilmenite |
| 99T-124 | 362147.22 | 6090729.66 | 0.19 | 0.15 | 0.21 | 32.00 | 0.00 | 52.09 | 0.00 | 2.64 | 12.27 | 99.56 | magnesian ilmenite |
| 99T-124 | 362147.22 | 6090729.66 | 1.29 | 0.36 | 2.31 | 65.34 | 0.00 | 0.47 | 0.00 | 27.34 | 0.00 | 97.10 | Cr-spinel |
| 99T-125 | 362574.30 | 6088793.60 | 0.17 | 0.00 | 0.02 | 30.76 | 0.00 | 53.29 | 0.00 | 2.67 | 11.75 | 98.66 | magnesian ilmenite |
| 99T-134 | 353845.36 | 6085793.03 | 0.25 | 0.16 | 19.51 | 7.83 | 39.87 | 0.49 | 5.11 | 5.61 | 21.01 | 99.83 | titanian Cr-pyrope (G11) |
| 99T-134 | 353845.36 | 6085793.03 | 0.23 | 0.00 | 12.32 | 45.43 | 0.00 | 0.59 | 0.00 | 35.36 | 5.54 | 99.47 | Cr-spinel |
| 99T-134 | 353845.36 | 6085793.03 | 0.24 | 0.00 | 0.12 | 30.70 | 0.00 | 53.86 | 0.00 | 2.69 | 12.28 | 99.89 | magnesian ilmenite |
| 99T-134 | 353845.36 | 6085793.03 | 0.21 | 0.00 | 11.01 | 23.45 | 0.08 | 2.84 | 0.00 | 49.82 | 13.26 | 100.67 | Cr-spinel |
| 99T-135 | 354883.31 | 6084079.64 | 0.22 | 0.02 | 12.02 | 25.17 | 0.00 | 1.63 | 0.00 | 51.15 | 10.20 | 100.41 | Cr-spinel |
| 99T-139 | 357564.78 | 6084160.24 | 0.44 | 0.17 | 21.12 | 7.48 | 39.35 | 0.13 | 5.94 | 5.62 | 20.26 | 100.51 | non-titanian Cr-pyrope (G9) |
| 99T-140 | 363864.01 | 6082169.82 | 0.27 | 0.19 | 15.00 | 25.12 | 0.00 | 1.61 | 0.00 | 44.49 | 12.49 | 99.17 | Cr-spinel |
| 99T-146 | 388300.25 | 6089844.48 | 0.22 | 0.06 | 0.06 | 37.03 | 0.00 | 50.20 | 0.00 | 1.34 | 9.91 | 98.81 | magnesian ilmenite |

| Sample Site | UTM | | MnO | $Na_2O$ | $Al_2O_3$ | FeO | $SiO_2$ | $TiO_2$ | CaO | $Cr_2O_3$ | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-146 | 388300.25 | 6089844.48 | 0.13 | 0.16 | 0.16 | 30.03 | 0.00 | 53.72 | 0.00 | 1.61 | 14.39 | 100.20 | magnesian ilmenite |
| 99T-150 | 378340.48 | 6088920.71 | 0.30 | 0.28 | 16.92 | 7.56 | 40.62 | 0.22 | 5.76 | 8.65 | 20.43 | 100.75 | non-titanian Cr-pyrope (G10) |
| 99T-150 | 378340.48 | 6088920.71 | 0.37 | 0.02 | 0.00 | 33.15 | 0.00 | 49.69 | 0.00 | 3.80 | 11.45 | 98.47 | magnesian ilmenite |
| 99T-150 | 378340.48 | 6088920.71 | 0.22 | 0.00 | 0.05 | 34.05 | 0.00 | 50.92 | 0.00 | 3.05 | 11.68 | 99.97 | magnesian ilmenite |
| 99T-151 | 379171.14 | 6087918.37 | 0.46 | 0.09 | 20.51 | 8.11 | 40.63 | 0.01 | 4.10 | 5.91 | 21.24 | 101.06 | non-titanian Cr-pyrope (G10) |
| 99T-152 | 375414.93 | 6088856.96 | 0.02 | 0.00 | 0.37 | 39.35 | 0.00 | 48.34 | 0.00 | 0.64 | 10.29 | 99.01 | magnesian ilmenite |
| 99T-154 | 376668.36 | 6087121.26 | 0.13 | 0.15 | 14.13 | 21.47 | 0.00 | 2.15 | 0.00 | 47.52 | 14.84 | 100.39 | Cr-spinel |
| 99T-155 | 375877.60 | 6086516.58 | 0.09 | 0.31 | 2.51 | 21.14 | 28.52 | 12.75 | 31.46 | 0.03 | 1.17 | 97.99 | Fe-Ti oxide |
| 99T-155 | 375877.60 | 6086516.58 | 0.26 | 0.06 | 0.00 | 35.70 | 0.00 | 51.12 | 0.00 | 2.21 | 10.54 | 99.89 | magnesian ilmenite |
| 99T-157 | 372027.71 | 6087027.04 | 0.22 | 0.00 | 18.89 | 7.18 | 40.38 | 0.24 | 5.30 | 6.77 | 19.96 | 98.93 | non-titanian Cr-pyrope (G9) |
| 99T-202 | 370612.18 | 6078749.88 | 0.31 | 0.06 | 0.06 | 35.11 | 0.00 | 49.65 | 0.00 | 4.11 | 10.34 | 99.65 | magnesian ilmenite |
| 99T-202 | 370612.18 | 6078749.88 | 0.39 | 0.06 | 0.00 | 33.80 | 0.00 | 50.67 | 0.00 | 3.79 | 10.22 | 98.93 | magnesian ilmenite |
| 99T-202 | 370612.18 | 6078749.88 | 0.37 | 0.27 | 0.04 | 33.26 | 0.00 | 50.70 | 0.00 | 3.70 | 11.64 | 99.97 | magnesian ilmenite |
| 99T-203 | 369733.49 | 6079116.31 | 24.25 | 0.18 | 21.81 | 15.23 | 36.94 | 0.04 | 0.37 | 0.08 | 2.06 | 100.95 | spessartite |
| 99T-205 | 367736.72 | 6078107.25 | 0.24 | 0.06 | 0.01 | 34.28 | 0.00 | 50.04 | 0.00 | 3.67 | 11.06 | 99.35 | magnesian ilmenite |
| 99T-206 | 366185.42 | 6077629.58 | 0.25 | 0.02 | 0.05 | 34.30 | 0.00 | 50.19 | 0.00 | 3.66 | 12.08 | 100.56 | magnesian ilmenite |
| 99T-207 | 370205.14 | 6080422.95 | 0.23 | 0.04 | 0.04 | 33.72 | 0.00 | 50.86 | 0.00 | 3.91 | 10.82 | 99.61 | magnesian ilmenite |
| 99T-207 | 370205.14 | 6080422.95 | 0.31 | 0.06 | 0.00 | 37.74 | 0.00 | 48.49 | 0.00 | 3.04 | 9.62 | 99.24 | magnesian ilmenite |
| 99T-208 | 365599.84 | 6076900.47 | 0.23 | 0.13 | 0.12 | 33.85 | 0.00 | 50.95 | 0.00 | 3.84 | 10.96 | 100.08 | magnesian ilmenite |
| 99T-212 | 367569.80 | 6080402.33 | 0.40 | 0.06 | 19.25 | 7.33 | 40.03 | 0.19 | 5.71 | 8.16 | 20.30 | 101.44 | non-titanian Cr-pyrope (G9) |
| 99T-212 | 367569.80 | 6080402.33 | 1.03 | 0.21 | 5.53 | 28.53 | 0.00 | 0.01 | 0.00 | 61.21 | 3.40 | 99.93 | Cr-spinel |
| 99T-213 | 365183.13 | 6079542.10 | 0.08 | 0.00 | 34.23 | 14.45 | 0.00 | 0.39 | 0.00 | 31.09 | 18.23 | 98.47 | Cr-spinel |
| 99T-213 | 365183.13 | 6079542.10 | 0.21 | 0.00 | 8.84 | 28.31 | 0.00 | 3.94 | 0.00 | 44.33 | 13.76 | 99.38 | Cr-spinel |
| 99T-213 | 365183.13 | 6079542.10 | 0.19 | 0.23 | 8.56 | 27.36 | 0.00 | 6.82 | 0.00 | 42.96 | 14.08 | 100.20 | Cr-spinel |
| 99T-214 | 360603.87 | 6076390.98 | 0.38 | 0.06 | 0.16 | 39.63 | 0.00 | 49.75 | 0.00 | 0.20 | 8.86 | 99.04 | magnesian ilmenite |
| 99T-221 | 360246.41 | 6081552.52 | 0.38 | 0.20 | 19.06 | 7.66 | 40.49 | 0.43 | 5.50 | 7.24 | 19.80 | 100.77 | titanian Cr-pyrope (G11) |
| 99T-230 | 355405.44 | 6076684.24 | 0.50 | 0.08 | 19.06 | 8.10 | 40.63 | 0.32 | 5.74 | 7.17 | 19.13 | 100.72 | titanian Cr-pyrope (G11) |
| 99T-234 | 352085.67 | 6071913.45 | 0.21 | 0.00 | 12.62 | 22.14 | 0.00 | 2.16 | 0.00 | 48.41 | 15.07 | 100.61 | Cr-spinel |
| 99T-235 | 352971.33 | 6071021.91 | 0.17 | 0.16 | 0.00 | 37.69 | 0.00 | 49.91 | 0.00 | 2.60 | 8.78 | 99.32 | magnesian ilmenite |
| 99T-238 | 372452.18 | 6069244.38 | 0.14 | 0.23 | 0.00 | 33.90 | 0.00 | 51.21 | 0.00 | 2.93 | 11.29 | 99.70 | magnesian ilmenite |
| 99T-238 | 372452.18 | 6069244.38 | 0.19 | 0.05 | 0.88 | 26.80 | 0.00 | 54.52 | 0.00 | 2.33 | 15.02 | 99.79 | magnesian ilmenite |
| 99T-246 | 375209.93 | 6072610.07 | 0.13 | 0.00 | 0.00 | 34.85 | 0.00 | 49.97 | 0.00 | 3.48 | 10.69 | 99.12 | magnesian ilmenite |
| 99T-252 | 370212.70 | 6077226.07 | 0.32 | 0.00 | 0.00 | 39.76 | 0.00 | 47.57 | 0.00 | 2.68 | 8.15 | 98.48 | magnesian ilmenite |
| 99T-253 | 369727.62 | 6076391.19 | 0.37 | 0.37 | 0.00 | 36.95 | 0.00 | 49.04 | 0.00 | 3.54 | 9.48 | 99.75 | magnesian ilmenite |
| 99T-253 | 369727.62 | 6076391.19 | 0.47 | 0.27 | 11.13 | 34.16 | 0.00 | 0.33 | 0.00 | 47.73 | 6.00 | 100.09 | Cr-spinel |
| 99T-253 | 369727.62 | 6076391.19 | 0.33 | 0.28 | 9.20 | 36.98 | 0.00 | 4.86 | 0.00 | 37.96 | 10.03 | 99.63 | Cr-spinel |
| 99T-254 | 369294.01 | 6075027.52 | 0.55 | 0.10 | 21.48 | 8.33 | 41.23 | 0.02 | 6.52 | 4.51 | 18.69 | 101.43 | non-titanian Cr-pyrope (G7) |
| 99T-254 | 369294.01 | 6075027.52 | 0.27 | 0.18 | 18.36 | 7.82 | 39.73 | 0.30 | 5.64 | 7.27 | 19.69 | 99.25 | titanian Cr-pyrope (G11) |
| 99T-254 | 369294.01 | 6075027.52 | 0.37 | 0.19 | 21.97 | 9.60 | 39.19 | 0.24 | 5.59 | 3.66 | 19.68 | 100.49 | non-titanian Cr-pyrope (G9) |
| 99T-257 | 370578.92 | 6075052.05 | 0.22 | 0.19 | 0.00 | 33.66 | 0.00 | 51.85 | 0.00 | 2.80 | 10.56 | 99.28 | magnesian ilmenite |
| 99T-257 | 370578.92 | 6075052.05 | 0.08 | 0.00 | 0.00 | 36.78 | 0.00 | 49.60 | 0.00 | 2.65 | 9.85 | 98.96 | magnesian ilmenite |
| 99T-257 | 370578.92 | 6075052.05 | 0.20 | 0.00 | 16.07 | 26.82 | 0.00 | 2.27 | 0.00 | 40.61 | 13.13 | 99.10 | Cr-spinel |
| 99T-257 | 370578.92 | 6075052.05 | 0.17 | 0.04 | 9.57 | 25.28 | 0.03 | 4.01 | 0.00 | 47.79 | 13.95 | 100.83 | Cr-spinel |
| 99T-257 | 370578.92 | 6075052.05 | 0.29 | 0.00 | 18.38 | 17.24 | 0.00 | 0.27 | 0.00 | 49.91 | 13.65 | 99.73 | Cr-spinel |
| 99T-257 | 370578.92 | 6075052.05 | 0.20 | 0.02 | 6.37 | 25.50 | 0.00 | 2.77 | 0.00 | 53.62 | 12.25 | 100.73 | Cr-spinel |
| 99T-257 | 370578.92 | 6075052.05 | 0.34 | 0.00 | 17.25 | 25.47 | 0.00 | 0.41 | 0.00 | 45.57 | 11.03 | 100.07 | Cr-spinel |
| 99T-261 | 360063.93 | 6069315.74 | 0.16 | 0.21 | 10.15 | 23.77 | 0.00 | 2.67 | 0.00 | 49.12 | 12.58 | 98.66 | Cr-spinel |
| 99T-261 | 360063.93 | 6069315.74 | 0.28 | 0.01 | 15.80 | 17.35 | 0.00 | 0.29 | 0.00 | 54.67 | 12.95 | 101.36 | Cr-spinel |

| Sample Site | UTM | | MnO | $Na_2O$ | $Al_2O_3$ | FeO | $SiO_2$ | $TiO_2$ | CaO | $Cr_2O_3$ | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-261 | 360063.93 | 6069315.74 | 0.14 | 0.05 | 22.10 | 29.27 | 0.00 | 0.38 | 0.00 | 39.42 | 8.66 | 100.02 | Cr-spinel |
| 99T-262 | 355969.59 | 6070935.17 | 0.40 | 0.10 | 21.40 | 8.41 | 40.85 | 0.05 | 5.76 | 4.45 | 18.77 | 100.18 | non-titanian Cr-pyrope (G9) |
| 99T-265 | 361329.67 | 6072980.83 | 0.21 | 0.15 | 0.05 | 33.90 | 0.00 | 50.44 | 0.00 | 3.20 | 11.13 | 99.08 | magnesian ilmenite |
| 99T-266 | 363559.03 | 6071022.97 | 0.34 | 0.00 | 9.03 | 30.79 | 0.00 | 4.94 | 0.00 | 39.77 | 14.49 | 99.38 | Cr-spinel |
| 99T-267 | 377020.28 | 6069882.33 | 0.11 | 0.12 | 0.00 | 46.77 | 0.00 | 44.52 | 0.00 | 0.05 | 6.46 | 98.03 | magnesian ilmenite |
| 99T-267 | 377020.28 | 6069882.33 | 0.22 | 0.12 | 10.47 | 30.46 | 0.00 | 3.50 | 0.00 | 43.17 | 11.41 | 99.35 | Cr-spinel |
| 99T-269 | 376364.81 | 6071760.41 | 0.39 | 0.11 | 15.49 | 18.81 | 0.00 | 0.34 | 0.00 | 51.66 | 13.11 | 99.92 | Cr-spinel |
| 99T-271 | 383858.83 | 6067703.50 | 0.19 | 0.23 | 17.02 | 7.05 | 40.41 | 0.20 | 6.71 | 9.09 | 18.77 | 99.67 | non-titanian Cr-pyrope (G9) |
| 99T-273 | 380547.15 | 6070612.20 | 0.44 | 0.08 | 0.00 | 50.19 | 0.00 | 48.99 | 0.00 | 0.00 | 0.27 | 99.98 | ilmenite |
| 99T-274 | 382955.22 | 6071800.72 | 2.28 | 0.26 | 6.97 | 37.06 | 0.00 | 0.23 | 0.00 | 51.27 | 0.18 | 98.25 | Cr-spinel |
| 99T-277 | 386690.16 | 6081682.14 | 0.19 | 0.11 | 12.53 | 15.18 | 0.00 | 0.05 | 0.00 | 57.93 | 13.17 | 99.15 | Cr-spinel |
| 99T-277 | 386690.16 | 6081682.14 | 0.08 | 0.00 | 20.23 | 13.32 | 0.00 | 0.25 | 0.00 | 48.17 | 16.51 | 98.55 | Cr-spinel |
| 99T-277 | 386690.16 | 6081682.14 | 0.03 | 0.01 | 39.25 | 18.56 | 0.00 | 0.55 | 0.00 | 25.09 | 16.14 | 99.65 | Cr-spinel |
| 99T-279 | 376310.70 | 6077007.87 | 0.14 | 0.10 | 18.49 | 7.53 | 40.10 | 0.45 | 4.95 | 6.41 | 21.13 | 99.31 | non-titanian Cr-pyrope (G10) |
| 99T-279 | 376310.70 | 6077007.87 | 0.28 | 0.06 | 0.00 | 43.97 | 0.00 | 45.76 | 0.00 | 2.58 | 7.43 | 100.08 | magnesian ilmenite |
| 99T-289 | 384447.42 | 6070035.32 | 0.14 | 0.00 | 29.18 | 14.36 | 0.01 | 0.57 | 0.07 | 36.82 | 16.53 | 97.69 | Cr-spinel |
| 99T-292 | 372658.22 | 6079359.51 | 0.40 | 0.20 | 0.00 | 45.69 | 0.00 | 50.44 | 0.00 | 0.08 | 3.66 | 100.48 | ilmenite |
| 99T-294 | 374312.89 | 6078921.40 | 30.53 | 0.10 | 21.39 | 12.48 | 35.41 | 0.19 | 1.14 | 0.05 | 0.00 | 101.30 | garnet |
| 99T-294 | 374312.89 | 6078921.40 | 0.25 | 0.08 | 0.26 | 37.92 | 0.00 | 50.66 | 0.00 | 1.09 | 9.78 | 100.03 | magnesian ilmenite |
| 99T-294 | 374312.89 | 6078921.40 | 0.26 | 0.00 | 17.79 | 14.53 | 0.00 | 0.20 | 0.00 | 53.75 | 13.96 | 100.49 | Cr-spinel |
| 99T-294 | 374312.89 | 6078921.40 | 0.14 | 0.29 | 17.05 | 13.93 | 0.00 | 0.27 | 0.00 | 54.73 | 14.43 | 100.85 | Cr-spinel |
| 99T-294 | 374312.89 | 6078921.40 | 0.42 | 0.31 | 5.04 | 45.74 | 0.00 | 0.30 | 0.00 | 43.08 | 3.97 | 98.86 | Cr-spinel |
| 99T-295 | 375182.62 | 6078624.03 | 0.18 | 0.06 | 21.49 | 7.14 | 40.83 | 0.33 | 4.71 | 3.89 | 21.76 | 100.40 | titanian Cr-pyrope (G11) |
| 99T-295 | 375182.62 | 6078624.03 | 0.35 | 0.00 | 2.62 | 23.53 | 0.00 | 2.25 | 0.00 | 59.96 | 9.72 | 98.44 | Cr-spinel |
| 99T-300 | 383601.49 | 6081754.27 | 0.27 | 0.18 | 0.00 | 38.40 | 0.00 | 48.28 | 0.00 | 2.80 | 9.37 | 99.30 | magnesian ilmenite |
| 99T-301 | 382264.75 | 6081807.41 | 0.30 | 0.22 | 20.29 | 7.38 | 39.86 | 0.26 | 5.18 | 5.49 | 20.94 | 99.93 | non-titanian Cr-pyrope (G9) |
| 99T-301 | 382264.75 | 6081807.41 | 0.29 | 0.02 | 0.09 | 33.42 | 0.00 | 50.46 | 0.00 | 3.39 | 11.49 | 99.15 | magnesian ilmenite |
| 99T-301 | 382264.75 | 6081807.41 | 1.50 | 0.04 | 2.59 | 55.39 | 0.00 | 1.58 | 0.01 | 37.86 | 0.16 | 99.14 | Cr-spinel |
| 99T-302 | 381825.16 | 6080640.92 | 0.30 | 0.00 | 0.03 | 34.78 | 0.00 | 48.67 | 0.00 | 4.46 | 11.22 | 99.45 | magnesian ilmenite |
| 99T-310 | 378075.60 | 6081454.42 | 0.22 | 0.08 | 0.38 | 43.14 | 0.00 | 47.66 | 0.00 | 0.03 | 8.01 | 99.53 | magnesian ilmenite |
| 99T-310 | 378075.60 | 6081454.42 | 0.33 | 0.16 | 11.59 | 26.88 | 0.00 | 0.43 | 0.00 | 52.87 | 6.92 | 99.19 | Cr-spinel |
| 99T-315 | 379424.91 | 6076667.36 | 2.02 | 0.38 | 10.07 | 31.41 | 0.03 | 0.20 | 0.00 | 52.93 | 2.38 | 99.42 | Cr-spinel |
| 99T-319 | 377992.28 | 6071532.08 | 0.16 | 0.21 | 0.06 | 33.80 | 0.00 | 50.58 | 0.00 | 3.45 | 11.09 | 99.36 | magnesian ilmenite |
| 99T-326 | 367010.80 | 6076322.95 | 0.09 | 0.07 | 13.63 | 24.31 | 0.00 | 2.11 | 0.00 | 45.19 | 14.51 | 99.92 | Cr-spinel |
| 99T-326 | 367010.80 | 6076322.95 | 0.19 | 0.00 | 15.26 | 24.59 | 0.00 | 0.57 | 0.00 | 49.37 | 10.52 | 100.50 | Cr-spinel |
| 99T-327 | 365544.89 | 6075097.76 | 0.42 | 0.11 | 18.19 | 7.26 | 41.62 | 0.12 | 5.34 | 6.51 | 20.12 | 99.69 | non-titanian Cr-pyrope (G9) |
| 99T-327 | 365544.89 | 6075097.76 | 0.44 | 0.13 | 20.27 | 7.53 | 40.87 | 0.10 | 5.41 | 5.93 | 20.51 | 101.18 | non-titanian Cr-pyrope (G9) |
| 99T-327 | 365544.89 | 6075097.76 | 0.17 | 0.36 | 0.11 | 94.34 | 0.00 | 0.08 | 0.00 | 0.02 | 0.00 | 95.09 | magnetite |
| 99T-329 | 373524.62 | 6072776.30 | 1.84 | 0.14 | 20.67 | 9.37 | 38.26 | 0.19 | 28.65 | 0.04 | 0.05 | 99.20 | grossularite |
| 99T-329 | 373524.62 | 6072776.30 | 0.34 | 0.04 | 0.00 | 39.31 | 0.00 | 47.87 | 0.00 | 3.15 | 9.72 | 100.43 | magnesian ilmenite |
| 99T-329 | 373524.62 | 6072776.30 | 0.30 | 0.19 | 0.27 | 30.38 | 0.00 | 51.81 | 0.00 | 4.49 | 12.74 | 100.18 | magnesian ilmenite |
| 99T-332 | 371343.79 | 6071847.26 | 0.36 | 0.09 | 19.24 | 18.77 | 0.00 | 0.18 | 0.00 | 48.21 | 12.99 | 99.82 | Cr-spinel |
| 99T-332 | 371343.79 | 6071847.26 | 0.12 | 0.09 | 19.19 | 16.01 | 0.00 | 0.28 | 0.00 | 50.83 | 14.29 | 100.81 | Cr-spinel |
| 99T-335 | 354026.13 | 6072263.97 | 0.23 | 0.05 | 0.00 | 26.37 | 0.00 | 53.67 | 0.00 | 4.11 | 15.02 | 99.46 | magnesian ilmenite |
| 99T-338 | 358097.38 | 6073183.12 | 0.57 | 0.06 | 20.57 | 9.59 | 40.10 | 0.10 | 6.31 | 4.07 | 18.29 | 99.67 | non-titanian Cr-pyrope (G7) |
| 99T-338 | 358097.38 | 6073183.12 | 0.16 | 0.03 | 16.80 | 13.97 | 0.00 | 0.25 | 0.00 | 55.37 | 14.42 | 101.01 | Cr-spinel |
| 99T-338 | 358097.38 | 6073183.12 | 0.32 | 0.00 | 7.87 | 35.73 | 0.00 | 6.04 | 0.00 | 35.84 | 13.39 | 99.19 | Cr-spinel |
| 99T-341 | 363366.15 | 6079087.77 | 0.42 | 0.13 | 21.42 | 7.47 | 40.92 | 0.00 | 5.05 | 4.21 | 21.14 | 100.76 | non-titanian Cr-pyrope (G9) |

| Sample Site | UTM | | MnO | $Na_2O$ | $Al_2O_3$ | FeO | $SiO_2$ | $TiO_2$ | CaO | $Cr_2O_3$ | MgO | TOTAL | Classification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | % | % | % | % | % | % | % | % | | |
| 99T-344 | 364266.45 | 6076224.84 | 0.79 | 0.08 | 13.83 | 33.07 | 0.00 | 0.26 | 0.00 | 47.66 | 4.47 | 100.16 | Cr-spinel |
| 99T-349 | 394290.85 | 6073197.89 | 0.31 | 0.04 | 22.15 | 9.42 | 40.23 | 0.19 | 4.68 | 2.49 | 20.36 | 99.88 | non-titanian Cr-pyrope (G9) |
| 99T-349 | 394290.85 | 6073197.89 | 0.10 | 0.07 | 18.46 | 27.34 | 0.00 | 2.11 | 0.05 | 38.33 | 13.85 | 100.32 | Cr-spinel |
| 99T-349 | 394290.85 | 6073197.89 | 0.16 | 0.23 | 14.17 | 25.06 | 0.00 | 2.96 | 0.00 | 44.17 | 12.19 | 98.93 | Cr-spinel |
| 99T-349 | 394290.85 | 6073197.89 | 0.44 | 0.32 | 8.36 | 43.13 | 0.00 | 1.49 | 0.00 | 41.33 | 3.32 | 98.39 | Cr-spinel |
| 99T-349 | 394290.85 | 6073197.89 | 0.15 | 0.11 | 17.90 | 19.87 | 0.00 | 1.85 | 0.00 | 42.58 | 15.56 | 98.00 | Cr-spinel |
| 99T-350 | 381237.22 | 6069551.39 | 0.18 | 0.04 | 9.65 | 25.63 | 0.00 | 5.99 | 0.00 | 44.25 | 13.62 | 99.36 | Cr-spinel |

## Appendix KM-2

# Kimberlite Indicator Mineral Abundances (0.3 mm + 0.5 mm + 1.0 mm)

| Sample Site | UTM Easting | Northing | Mg-Ilmenite | Cr-spinel | Cr-diopside | G9 | G10 | Ti-Cr Pyrope | Total Kimberlite Indicator Minerals |
|---|---|---|---|---|---|---|---|---|---|
| 99T-2 | 379928.11 | 6087059.58 | 1 | | | | | | 1 |
| 99T-5 | 386340.97 | 6060776.00 | 1 | 3 | | | | | 4 |
| 99T-10 | 380814.98 | 6083990.92 | | 1 | | | | 1 | 2 |
| 99T-12 | 384139.45 | 6089907.45 | 3 | | | | | | 3 |
| 99T-13 | 385120.09 | 6089836.36 | 1 | | | 1 | | | 2 |
| 99T-14 | 386060.67 | 6089790.62 | 1 | | | | | | 1 |
| 99T-15 | 385609.68 | 6088356.80 | 2 | | | | | | 2 |
| 99T-18 | 384402.98 | 6085799.86 | 4 | | | | 1 | 1 | 6 |
| 99T-19 | 383518.94 | 6085591.65 | 1 | 1 | | | | | 2 |
| 99T-26 | 389273.35 | 6089551.83 | 2 | | | | | | 2 |
| 99T-27 | 388381.58 | 6088845.50 | 2 | | | | | | 2 |
| 99T-29 | 390765.20 | 6089215.18 | | | | | | 1 | 1 |
| 99T-31 | 387776.64 | 6087871.04 | 2 | | | | | | 2 |
| 99T-32 | 389281.25 | 6087309.72 | | 1 | | | | | 1 |
| 99T-36 | 390299.61 | 6087715.51 | | 2 | | | | | 2 |
| 99T-39 | 392898.97 | 6086971.53 | 2 | | | | | | 2 |
| 99T-40 | 392559.91 | 6086340.04 | 1 | 1 | | | | | 2 |
| 99T-44 | 389261.00 | 6083667.72 | | 1 | | | | | 1 |
| 99T-46 | 385883.41 | 6083393.71 | 4 | | | | | | 4 |
| 99T-48 | 383904.64 | 6082648.05 | | | | 3 | 1 | | 4 |
| 99T-50 | 387427.39 | 6090166.15 | 1 | | | | | | 1 |
| 99T-51 | 385816.88 | 6087616.81 | | | | | 1 | | 1 |
| 99T-53 | 381611.17 | 6087984.39 | 2 | | | | | 1 | 3 |
| 99T-54 | 380446.70 | 6088630.40 | 1 | | | | | | 1 |
| 99T-63 | 371851.38 | 6084985.15 | | | | 1 | | | 1 |
| 99T-65 | 371421.23 | 6083690.52 | 2 | | | | | | 2 |
| 99T-66 | 370239.75 | 6083375.40 | 1 | | | 2 | | | 3 |
| 99T-67 | 369512.90 | 6082951.85 | | | | | | 1 | 1 |
| 99T-68 | 378482.32 | 6086547.36 | | 1 | | | | | 1 |
| 99T-70 | 377176.25 | 6084802.55 | 1 | | | | | | 1 |
| 99T-71 | 375594.28 | 6084702.04 | 2 | | | | 1 | | 3 |
| 99T-73 | 370656.16 | 6087109.32 | | | | | | 1 | 1 |
| 99T-75 | 367566.14 | 6083452.59 | 2 | 2 | | | | | 4 |
| 99T-76 | 366875.73 | 6082011.38 | | 1 | | | | | 1 |
| 99T-77 | 366237.10 | 6081599.59 | | 1 | | | | | 1 |
| 99T-80 | 371536.33 | 6081711.47 | 2 | | | 1 | | | 3 |
| 99T-83 | 372026.99 | 6090288.56 | | 2 | | | 1 | | 3 |
| 99T-84 | 370517.90 | 6089778.24 | | 4 | | 1 | | | 5 |
| 99T-89 | 359762.87 | 6089860.45 | 3 | | | | | | 3 |
| 99T-90 | 360419.16 | 6090713.89 | 1 | | | | | | 1 |
| 99T-91 | 367854.62 | 6089411.77 | 1 | | | | | | 1 |
| 99T-93 | 360817.18 | 6089935.46 | 1 | | | | | | 1 |
| 99T-94 | 361334.61 | 6088793.40 | 2 | 1 | | 1 | | | 4 |
| 99T-97 | 361670.11 | 6088011.47 | 3 | | | | | | 3 |
| 99T-100 | 365660.55 | 6089907.35 | 1 | | | | | 2 | 3 |
| 99T-101 | 364004.46 | 6090265.61 | 2 | 1 | | | | | 3 |
| 99T-102 | 365042.73 | 6085719.91 | 1 | 2 | | | | | 3 |
| 99T-104 | 365252.32 | 6088140.42 | 1 | 29 | | | | | 30 |
| 99T-105 | 369243.39 | 6088065.28 | 1 | | | | | | 1 |

| Sample Site | UTM Easting | Northing | Mg-Ilmenite | Cr-spinel | Cr-diopside | G9 | G10 | Ti-Cr Pyrope | Total Kimberlite Indicator Minerals |
|---|---|---|---|---|---|---|---|---|---|
| 99T-109 | 368585.13 | 6084340.09 | 1 | 2 | | | | | 3 |
| 99T-111 | 371414.93 | 6082844.68 | | 1 | | | | | 1 |
| 99T-112 | 373206.39 | 6082560.89 | 3 | 1 | | 1 | | | 5 |
| 99T-113 | 374372.83 | 6082434.83 | 1 | 2 | | | | | 3 |
| 99T-114 | 375612.85 | 6082701.79 | | 1 | | | | | 1 |
| 99T-115 | 376837.58 | 6083283.99 | 1 | | | | | | 1 |
| 99T-116 | 376836.61 | 6082259.30 | 2 | | | | | | 2 |
| 99T-118 | 380435.24 | 6082526.84 | 1 | | | | | | 1 |
| 99T-123 | 357174.69 | 6086097.90 | 2 | | | | | | 2 |
| 99T-124 | 362147.22 | 6090729.66 | 5 | 1 | | | | | 6 |
| 99T-125 | 362574.30 | 6088793.60 | 1 | | | | | | 1 |
| 99T-126 | 359632.73 | 6085112.70 | 4 | | | | | | 4 |
| 99T-127 | 359088.91 | 6087067.02 | 1 | | | | | | 1 |
| 99T-134 | 353845.36 | 6085793.03 | 1 | 2 | | | | 1 | 4 |
| 99T-135 | 354883.31 | 6084079.64 | | 2 | | | | | 2 |
| 99T-139 | 357564.78 | 6084160.24 | 1 | | | 1 | | | 2 |
| 99T-140 | 363864.01 | 6082169.82 | | 1 | | 1 | | | 2 |
| 99T-145 | 365012.13 | 6082425.90 | 2 | | | | | | 2 |
| 99T-146 | 388300.25 | 6089844.48 | 3 | | | | | | 3 |
| 99T-149 | 370525.75 | 6084197.53 | 2 | | | | | | 2 |
| 99T-150 | 378340.48 | 6088920.71 | 3 | | | | 1 | | 4 |
| 99T-151 | 379171.14 | 6087918.37 | | | | | 1 | | 1 |
| 99T-152 | 375414.93 | 6088856.96 | 1 | | | | | | 1 |
| 99T-154 | 376668.36 | 6087121.26 | | 2 | | | | | 2 |
| 99T-155 | 375877.60 | 6086516.58 | 3 | | | | | | 3 |
| 99T-157 | 372027.71 | 6087027.04 | | | | 1 | | | 1 |
| 99T-201 | 371334.99 | 6079065.23 | 2 | | | | | | 2 |
| 99T-202 | 370612.18 | 6078749.88 | 3 | | | | | | 3 |
| 99T-204 | 368745.75 | 6078704.52 | 1 | | | | | | 1 |
| 99T-205 | 367736.72 | 6078107.25 | 2 | | | | | | 2 |
| 99T-206 | 366185.42 | 6077629.58 | 1 | | | | | | 1 |
| 99T-207 | 370205.14 | 6080422.95 | 2 | | | | | | 2 |
| 99T-208 | 365599.84 | 6076900.47 | 1 | | | | | | 1 |
| 99T-212 | 367569.80 | 6080402.33 | | 1 | | 1 | | | 2 |
| 99T-213 | 365183.13 | 6079542.10 | | 3 | | | | | 3 |
| 99T-214 | 360603.87 | 6076390.98 | 1 | | | | | | 1 |
| 99T-221 | 360246.41 | 6081552.52 | | | | | | 1 | 1 |
| 99T-223 | 355505.67 | 6083205.01 | 1 | 1 | | | | | 2 |
| 99T-225 | 350702.40 | 6083206.61 | | | | 2 | | | 2 |
| 99T-230 | 355405.44 | 6076684.24 | | | | | | 1 | 1 |
| 99T-234 | 352085.67 | 6071913.45 | | 1 | | | | | 1 |
| 99T-235 | 352971.33 | 6071021.91 | 1 | | | | | | 1 |
| 99T-238 | 372452.18 | 6069244.38 | 2 | | | | | | 2 |
| 99T-243 | 373883.08 | 6066058.33 | 1 | | | | | | 1 |
| 99T-245 | 373013.86 | 6074903.92 | 4 | | | | | | 4 |
| 99T-246 | 375209.93 | 6072610.07 | 1 | | | | | | 1 |
| 99T-248 | 363998.87 | 6080166.06 | | | 1 | | | | 1 |
| 99T-249 | 366434.90 | 6080165.02 | 1 | | | | | | 1 |
| 99T-250 | 365625.09 | 6080983.27 | 1 | | | | | | 1 |
| 99T-252 | 370212.70 | 6077226.07 | 1 | | | | | | 1 |
| 99T-253 | 369727.62 | 6076391.19 | 1 | 2 | | | | | 3 |
| 99T-254 | 369294.01 | 6075027.52 | | | | 2 | | 1 | 3 |
| 99T-257 | 370578.92 | 6075052.05 | 3 | 5 | | | | | 8 |
| 99T-261 | 360063.93 | 6069315.74 | 2 | 3 | | | | | 5 |
| 99T-262 | 355969.59 | 6070935.17 | | | | 1 | | | 1 |
| 99T-264 | 360989.77 | 6069149.40 | 2 | | | | | | 2 |

| Sample Site | UTM Easting | Northing | Mg-Ilmenite | Cr-spinel | Cr-diopside | G9 | G10 | Ti-Cr Pyrope | Total Kimberlite Indicator Minerals |
|---|---|---|---|---|---|---|---|---|---|
| 99T-265 | 361329.67 | 6072980.83 | 1 | | | | | | 1 |
| 99T-266 | 363559.03 | 6071022.97 | | 1 | | | | | 1 |
| 99T-267 | 377020.28 | 6069882.33 | 1 | 1 | | | | | 2 |
| 99T-269 | 376364.81 | 6071760.41 | | 1 | | | | | 1 |
| 99T-271 | 383858.83 | 6067703.50 | 1 | | | 1 | | | 2 |
| 99T-274 | 382955.22 | 6071800.72 | | 1 | | | | | 1 |
| 99T-276 | 385148.66 | 6077248.38 | 1 | | | | | | 1 |
| 99T-277 | 386690.16 | 6081682.14 | | 3 | | | | | 3 |
| 99T-279 | 376310.70 | 6077007.87 | 2 | | | | 1 | | 3 |
| 99T-281 | 379124.40 | 6067728.11 | | 1 | | | | | 1 |
| 99T-284 | 383840.14 | 6075866.88 | 1 | | | | | | 1 |
| 99T-289 | 384447.42 | 6070035.32 | | 1 | | | | | 1 |
| 99T-292 | 372658.22 | 6079359.51 | 2 | | | | | | 2 |
| 99T-293 | 373332.21 | 6078856.12 | 1 | | | | | | 1 |
| 99T-294 | 374312.89 | 6078921.40 | 2 | 3 | | | | | 5 |
| 99T-295 | 375182.62 | 6078624.03 | | 1 | | | | 1 | 2 |
| 99T-298 | 377794.68 | 6079094.31 | 1 | | | 1 | | | 2 |
| 99T-300 | 383601.49 | 6081754.27 | 1 | 1 | | | | | 2 |
| 99T-301 | 382264.75 | 6081807.41 | 1 | 1 | | 1 | | | 3 |
| 99T-302 | 381825.16 | 6080640.92 | 1 | | | | | | 1 |
| 99T-304 | 379828.87 | 6079816.74 | 2 | | | | | | 2 |
| 99T-305 | 373257.01 | 6080611.99 | 1 | | | | | | 1 |
| 99T-306 | 374075.08 | 6080290.59 | 1 | | | | | | 1 |
| 99T-308 | 378593.33 | 6079122.68 | 1 | | | | | | 1 |
| 99T-310 | 378075.60 | 6081454.42 | 2 | 1 | | | | | 3 |
| 99T-315 | 379424.91 | 6076667.36 | | 1 | | | | | 1 |
| 99T-319 | 377992.28 | 6071532.08 | 1 | | | | | | 1 |
| 99T-320 | 378032.77 | 6073502.62 | | | 1 | | | | 1 |
| 99T-326 | 367010.80 | 6076322.95 | 1 | 2 | | | | | 3 |
| 99T-327 | 365544.89 | 6075097.76 | | | | 2 | | | 2 |
| 99T-329 | 373524.62 | 6072776.30 | 2 | | | | | | 2 |
| 99T-332 | 371343.79 | 6071847.26 | | 2 | | | | | 2 |
| 99T-334 | 353630.41 | 6074080.73 | | | 1 | | | | 1 |
| 99T-335 | 354026.13 | 6072263.97 | 1 | | | | | | 1 |
| 99T-338 | 358097.38 | 6073183.12 | 1 | 2 | | 1 | | 1 | 5 |
| 99T-339 | 358101.16 | 6077722.60 | | 1 | | | | | 1 |
| 99T-341 | 363366.15 | 6079087.77 | | | | 2 | | | 2 |
| 99T-344 | 364266.45 | 6076224.84 | | 1 | | | | | 1 |
| 99T-347 | 390123.06 | 6073013.81 | 1 | | | 1 | | | 2 |
| 99T-349 | 394290.85 | 6073197.89 | | 4 | | 1 | | | 5 |
| 99T-350 | 381237.22 | 6069551.39 | | 1 | | | | | 1 |
| Grand Total | | | 160 | 115 | 3 | 30 | 8 | 14 | 330 |

## KIMBERLITE INDICATOR MINERAL SURVEY (OVERBURDEN DRILLING MANAGEMENT LTD.)

### Results

The till samples submitted to Overburden Drilling Management Ltd. for mineralogical processing were not rigorously picked for kimberlite indicator minerals since this mineralogical work was already being done by Monopros Ltd. Additionally, microprobe work was not undertaken so only a basic ‘first pass’ of KIM survey results in the 1999 survey samples is presented as bubble plots in Appendix KO-4. All relevant descriptive data are presented in Appendices KO-1 (Bulk Sample Descriptions), KO-2 (Kimberlite Indicator Minerals) and KO-3 (Descriptive remarks on kimberlite indicator minerals). Appendix KO-5 gives a flow chart describing sample preparation.

Chromite abundances in the 1999 survey area are generally low with one exception at site 104 where an estimated 75 grains were observed in a sample of till. This site was also identified as highly anomalous by the mineralogical work undertaken by Monopros Ltd. Elsewhere, a 6 grain response is documented from site 63 north of the west end of Knee Lake.

Pyrope garnet and chrome diopside grains are sparse in the 1999 data set. The highest numbers of pyrope garnet are documented from sites 129, 134, 139 and 142 along the Hayes River between Oxford Lake and the west end of Knee Lake. Numerous sites with 1 grain characterize the 1999 survey area. A total of 14 sites contain chrome diopside grains; all but site 11 (2 grains) have a single grain.

Total kimberlite indicator mineral abundances reflect the multiple chromite grains identified at site 104 in the northwestern portion of the area. Other multiple grain responses include sites 134 and 139 (6 and 9 grains, respectively) along the Hayes River west of Knee Lake and and an 8 grain response from site 63 just north of the west end of Knee Lake.

Overall the KIM survey results are somewhat disappointing in the low numbers of KIMs identified and the lack of definition of dispersal trains. However, we are confident in the results obtained to date. This is based on the identification of the anomalous abundance of chromite grains at site 104 that was documented not only by this survey but also by the mineralogical work conducted by Monopros Ltd. Clearly, this site is recognized as anomalous in both KIM surveys and should be followed-up on the ground with geological mapping, prospecting and additional mineralogical surveys.

## Appendix: KO-A

# Table of Abbreviations for KIM, MMSIM and Gold Grains

### SEDIMENT LOG

***Largest Clasts Present:***

| | |
|---|---|
| G: | Granules |
| P: | Pebbles |
| C: | Cobbles |
| BL: | Boulder fragments |
| BK: | Bedrock Fragments |

***Clast Composition:***

| | |
|---|---|
| V/S: | Volcanics and sediments |
| GR: | Granitics |
| LS: | Limestone, carbonates |
| OT: | Other Lithologies (refer to footnotes) |
| TR: | Only trace present |
| NA: | Not applicable |
| OX: | Very oxidized, undifferentiated |

***Matrix Colour:***

| | | | | | |
|---|---|---|---|---|---|
| B: | Beige | BN: | Brown | L: | Light |
| GY: | Grey | BK: | Black | M: | Medium |
| GB: | Grey-beige | PP: | Purple | D: | Dark |
| GN: | Green | PK: | Pink | R: | Red |
| GG: | Grey-green | OC: | Ochre | | |

***Matrix Grain Size:***

| | | | |
|---|---|---|---|
| S: | Sorted | | |
| U: | Unsorted | | |
| SD: | Sand | F: | Fine |
| | | M: | Medium |
| | | C: | Coarse |
| ST: | Silt | | |
| CY: | Clay | | |
| OR: | Organics | | |
| Y: | Fraction present | | |
| +: | Fraction more abundant than normal | | |
| -: | Fraction less abundant than normal | | |
| N: | Fraction not present | | |
| L: | Lumps present | | |

### GOLD GRAIN LOG

***Number of Grains:***

| | |
|---|---|
| T: | Number found on shaking table |
| P: | Number found by panning |

***Thickness:***

| | |
|---|---|
| C: | Calculated thickness of grain (microns) |
| M: | Actual measured thickness of grain (microns) |

***Remarks:***

| | |
|---|---|
| %: | Percentage of HMC (estimated from panning of table concentrate) |
| gr: | Grains (estimated number) |
| µM: | Microns (1/1000 mm) |
| py: | Pyrite |
| cpy: | Chalcopyrite |
| aspy: | Arsenopyrite |
| marc: | Marcasite |
| l/g: | Limonite/goethite |
| sid: | Siderite |

**KIM (kimberlite indicator mineral) LOG**

| | |
|---|---|
| GP: | Purple garnet (G9/G10 chrome pyrope). |
| GO: | Orange mantle garnet: includes both ecolgitic pyrope-almandine (G3) and Cr-poor megacrystic pyrope (G1/G2) varieties; may include unchecked (by SEM) grains of common crustal garnet (G6) lacking diagnostic inclusions or crystal faces. |
| DC: | Chrome diopside, emerald green; paler green low-Cr diopside picked separately. |
| IM: | Mg-ilmenite; may include unchecked (by SEM) grains of common crustal ilmenite lacking diagnostic inclusions or crystal faces. |
| CR: | Chromite |
| OL: | Olivine |
| FO: | Forsterite |

**MMSIM (metamorphosed or magmatic massive sulphide indicator mineral) LOG**

| | | | |
|---|---|---|---|
| Ky: | Kyanite | Cr: | Chromite |
| Sil: | Sillimanite | Sps: | Spessartine |
| Rut: | Rutile | Gth: | Goethite |
| Tm: | Tourmaline | Py: | Pyrite |
| St: | Staurolite | Cpy: | Chalcopyrite |
| Ol: | Olivine | | |
| Fay: | Fayalite | | |
| Opx: | Orthopyroxene | | |

Appendix KO-1

# Bulk Sample Descriptions, Clasts and Matrix.

| Process Order | Sample Site | Bulk Rec'd weight (kg) | Table Split weight (kg) | +2 mm Clasts | Table Feed | SAMPLE DESCRIPTION Clasts >2.0 mm SIZE | V/S % | GR % | LS % | Matrix <2.0 mm S/U | SD | ST | CY | Colour Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 99-M-2 | 8.9 | 8.6 | 3.0 | 5.6 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 2 | 99-M-3 | 8.3 | 7.9 | 1.2 | 6.7 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 3 | 99-M-4 | 8.0 | 7.6 | 0.9 | 6.7 | P | TR | TR | 100 | U | - | Y | + | B | B | N | TILL |
| 4 | 99-M-5 | 7.6 | 7.1 | 0.4 | 6.7 | P | 20 | 40 | 40 | U | - | + | Y | B | B | N | TILL |
| 5 | 99-M-7 | 7.8 | 7.4 | 0.8 | 6.6 | P | 10 | 30 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 6 | 99-M-8 | 8.2 | 7.8 | 0.8 | 7.0 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 7 | 99-M-9 | 8.2 | 7.7 | 0.7 | 7.0 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 8 | 99-M-10 | 6.7 | 6.2 | 0.6 | 5.6 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 9 | 99-M-11 | 8.2 | 7.7 | 0.6 | 7.1 | P | 50 | 20 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 10 | 99-M-12 | 7.9 | 7.5 | 0.6 | 6.9 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 11 | 99-M-13 | 8.2 | 7.9 | 0.6 | 7.3 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 12 | 99-M-14 | 7.9 | 7.5 | 0.5 | 7.0 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 13 | 99-M-15 | 7.9 | 7.5 | 0.3 | 7.2 | P | 80 | TR | 20 | U | Y | Y | Y | B | B | N | TILL |
| 14 | 99-M-16 | 8.1 | 7.6 | 0.8 | 6.8 | P | 60 | 10 | 30 | U | Y | Y | Y | B | GB | N | TILL |
| 15 | 99-M-17 | 9.7 | 9.3 | 0.8 | 8.5 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 16 | 99-M-18 | 9.4 | 8.8 | 2.4 | 6.4 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 17 | 99-M-19 | 7.8 | 7.3 | 1.0 | 6.3 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 18 | 99-M-21 | 8.7 | 8.1 | 0.2 | 7.9 | P | 40 | TR | 60 | U | - | + | + | B | B | N | CLAY TILL |
| 19 | 99-M-25 | 8.1 | 7.7 | 0.9 | 6.8 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 20 | 99-M-26 | 8.6 | 8.1 | 1.1 | 7.0 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 21 | 99-M-27 | 8.9 | 8.6 | 0.5 | 8.1 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 22 | 99-M-28 | 7.1 | 6.7 | 0.9 | 5.8 | P | 20 | 30 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 23 | 99-M-29 | 8.3 | 7.9 | 1.4 | 6.5 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 24 | 99-M-30 | 8.3 | 7.8 | 0.6 | 7.2 | P | 20 | 30 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 25 | 99-M-31 | 8.6 | 8.1 | 0.6 | 7.5 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 26 | 99-M-32 | 5.9 | 5.4 | 0.2 | 5.2 | P | 40 | 50 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 27 | 99-M-33 | 8.0 | 7.6 | 0.2 | 7.4 | P | 20 | 40 | 40 | U | - | + | + | B | B | N | TILL |
| 28 | 99-M-34 | 7.0 | 6.5 | 0.2 | 6.3 | P | 50 | TR | 50 | U | - | + | + | GB | GB | N | TILL |
| 29 | 99-M-35 | 7.6 | 7.1 | 0.5 | 6.6 | P | 30 | 50 | 20 | U | Y | Y | Y | B | B | N | TILL |
| 30 | 99-M-36 | 9.9 | 9.4 | 0.8 | 8.6 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 31 | 99-M-39 | 9.5 | 9.0 | 0.8 | 8.2 | P | 30 | 50 | 20 | U | Y | Y | Y | B | B | N | TILL |
| 32 | 99-M-40 | 10.4 | 9.9 | 1.2 | 8.7 | P | 20 | 70 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 33 | 99-M-41 | 8.4 | 8.0 | 0.8 | 7.2 | P | 10 | 80 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 34 | 99-M-42 | 8.6 | 8.2 | 0.9 | 7.3 | P | 20 | 80 | 0 | U | - | Y | + | B | B | N | TILL |
| 35 | 99-M-43 | 8.6 | 8.2 | 0.5 | 7.7 | P | 20 | 70 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 36 | 99-M-44 | 9.9 | 9.4 | 0.6 | 8.8 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 37 | 99-M-45 | 7.0 | 6.5 | 0.4 | 6.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 38 | 99-M-46 | 8.5 | 8.0 | 0.4 | 7.6 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 39 | 99-M-47 | 10.9 | 10.4 | 0.3 | 10.1 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 40 | 99-M-48 | 9.4 | 8.8 | 3.7 | 5.1 | P | 60 | 10 | 30 | S | MC | - | N | LOC | NA | N | GRAVEL |
| 41 | 99-M-49 | 9.8 | 9.2 | 0.6 | 8.6 | P | 20 | 20 | 60 | U | Y | Y | Y | GB | GB | N | TILL |
| 42 | 99-M-50 | 10.9 | 10.3 | 2.2 | 8.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 43 | 99-M-51 | 6.8 | 6.3 | 0.1 | 6.2 | P | 90 | 10 | 0 | U | Y | Y | Y | LOC | LOC | N | TILL |

| Process Order | Sample Site | Bulk Rec'd weight (kg) | Table Split weight (kg) | +2 mm Clasts | Table Feed | SAMPLE DESCRIPTION Clasts >2.0 mm SIZE | V/S % | GR % | LS % | Matrix <2.0 mm S/U | SD | ST | CY | Colour Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 99-M-52 | 8.0 | 7.4 | 0.2 | 7.2 | P | 30 | 10 | 60 | U | Y | + | Y | GB | GB | N | TILL |
| 45 | 99-M-53 | 9.2 | 8.7 | 1.1 | 7.6 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 46 | 99-M-54 | 8.2 | 7.7 | 0.8 | 6.9 | P | 30 | 30 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 47 | 99-M-55 | 7.9 | 7.4 | 0.4 | 7.0 | P | 20 | 20 | 60 | U | Y | + | Y | GB | GB | N | TILL |
| 48 | 99-M-56 | 10.6 | 10.2 | 2.3 | 7.9 | C | 50 | 30 | 20 | U | Y | Y | Y | B | B | N | TILL |
| 49 | 99-M-57 | 10.0 | 9.6 | 0.3 | 9.3 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 50 | 99-M-59 | 8.9 | 8.5 | 0.4 | 8.1 | P | 50 | 10 | 40 | U | Y | + | Y | B | B | N | TILL |
| 51 | 99-M-63 | 9.6 | 9.1 | 1.5 | 7.6 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 52 | 99-M-64 | 9.2 | 8.7 | 0.7 | 8.0 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 53 | 99-M-65 | 8.3 | 7.7 | 0.5 | 7.2 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 54 | 99-M-66 | 11.2 | 10.7 | 1.4 | 9.3 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 55 | 99-M-67 | 10.3 | 9.8 | 0.5 | 9.3 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 56 | 99-M-68 | 8.3 | 7.8 | 0.2 | 7.6 | G | 30 | 10 | 60 | U | - | + | Y | B | B | N | TILL |
| 57 | 99-M-69 | 7.8 | 7.3 | 0.2 | 7.1 | P | 10 | 10 | 80 | U | - | + | + | B | B | Y | CLAY TILL |
| 58 | 99-M-70 | 8.5 | 8.0 | 0.3 | 7.7 | P | 70 | 10 | 20 | U | Y | + | Y | B | B | N | TILL |
| 59 | 99-M-71 | 10.3 | 9.9 | 1.4 | 8.5 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 60 | 99-M-73 | 10.2 | 9.7 | 0.8 | 8.9 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 61 | 99-M-74 | 10.0 | 9.5 | 1.0 | 8.5 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 62 | 99-M-75 | 9.3 | 8.8 | 1.5 | 7.3 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 63 | 99-M-76 | 9.0 | 8.5 | 0.7 | 7.8 | P | 60 | 10 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 64 | 99-M-77 | 8.0 | 7.5 | 1.0 | 6.5 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 65 | 99-M-78 | 8.2 | 7.7 | 0.7 | 7.0 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | Y | TILL |
| 66 | 99-M-79 | 9.6 | 9.1 | 1.1 | 8.0 | P | 40 | 30 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 67 | 99-M-80 | 11.2 | 10.7 | 1.1 | 9.6 | P | 20 | 40 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 68 | 99-M-81 | 10.6 | 10.1 | 1.2 | 8.9 | P | 30 | 30 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 69 | 99-M-82 | 10.9 | 10.4 | 1.0 | 9.4 | P | 35 | 15 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 70 | 99-M-83 | 11.8 | 11.3 | 2.0 | 9.3 | P | 20 | 50 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 71 | 99-M-84 | 9.3 | 8.8 | 1.1 | 7.7 | P | 20 | 50 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 72 | 99-M-85 | 10.8 | 10.3 | 0.4 | 9.9 | P | 40 | 40 | 20 | U | Y | + | Y | B | B | N | TILL |
| 73 | 99-M-86 | 11.6 | 11.1 | 1.3 | 9.8 | P | 20 | 50 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 74 | 99-M-87 | 9.4 | 8.9 | 3.6 | 5.3 | P | 30 | 10 | 60 | U | + | Y | - | B | B | N | TILL |
| 75 | 99-M-89 | 8.1 | 7.6 | 1.1 | 6.5 | P | 30 | 10 | 60 | U | Y | Y | Y | GB | B | N | TILL |
| 76 | 99-M-90 | 8.1 | 7.6 | 0.9 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 77 | 99-M-91 | 8.4 | 7.9 | 1.5 | 6.4 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 78 | 99-M-93 | 11.5 | 11.0 | 1.4 | 9.6 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 79 | 99-M-94 | 9.4 | 8.9 | 1.6 | 7.3 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 80 | 99-M-95 | 11.5 | 11.0 | 1.6 | 9.4 | P | 40 | 20 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 81 | 99-M-97 | 10.6 | 10.1 | 2.8 | 7.3 | P | 40 | 20 | 40 | U | Y | Y | Y | GB | B | N | TILL |
| 82 | 99-M-98 | 10.0 | 9.5 | 3.2 | 6.3 | P | 50 | 10 | 40 | U | + | Y | Y | B | B | N | TILL |
| 83 | 99-M-100 | 10.0 | 9.4 | 3.9 | 5.5 | P | 30 | 20 | 50 | U | + | - | - | B | B | N | SANDY TILL |
| 84 | 99-M-101 | 9.4 | 8.8 | 2.3 | 6.5 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 85 | 99-M-102 | 9.5 | 8.9 | 1.5 | 7.4 | P | 30 | 10 | 60 | U | + | Y | Y | B | B | N | TILL |
| 86 | 99-M-104 | 10.3 | 9.8 | 0.5 | 9.4 | P | 70 | 10 | 20 | U | Y | Y | Y | GB | GB | N | TILL |
| 87 | 99-M-105 | 12.1 | 11.5 | 2.4 | 9.1 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 88 | 99-M-106 | 10.4 | 9.8 | 0.5 | 9.3 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 89 | 99-M-107 | 11.1 | 10.6 | 0.6 | 10.0 | P | 20 | 20 | 60 | U | Y | + | Y | B | B | N | TILL |
| 90 | 99-M-108 | 10.2 | 9.6 | 0.5 | 9.1 | P | 30 | 20 | 50 | U | Y | + | Y | B | B | N | TILL |
| 91 | 99-M-109 | 10.8 | 10.3 | 1.0 | 9.3 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |

| | | | | | | SAMPLE DESCRIPTION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Process Order | Sample Site | Bulk Rec'd weight (kg) | Table Split weight (kg) | +2 mm Clasts | Table Feed | Clasts >2.0 mm | | | | Matrix <2.0 mm | | | | Colour | | Organics | Sediment |
| | | | | | | SIZE | V/S % | GR % | LS % | S/U | SD | ST | CY | Sand | Clay | | |
| 92 | 99-M-111 | 10.6 | 10.1 | 1.1 | 9.0 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 93 | 99-M-112 | 10.1 | 9.5 | 3.4 | 6.1 | P | 30 | 20 | 50 | U | + | Y | - | B | B | N | TILL |
| 94 | 99-M-113 | 8.4 | 8.0 | 0.3 | 7.7 | P | 40 | 10 | 50 | U | - | + | Y | B | B | N | TILL |
| 95 | 99-M-114 | 10.3 | 9.6 | 0.8 | 8.8 | P | 45 | 5 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 96 | 99-M-115 | 10.3 | 9.7 | 0.8 | 8.9 | P | 30 | 10 | 60 | U | Y | + | Y | B | B | N | TILL |
| 97 | 99-M-116 | 9.5 | 8.9 | 2.6 | 6.3 | P | 40 | 20 | 40 | S | M,C | N | N | B | NA | N | SAND & GRAVEL |
| 98 | 99-M-118 | 8.2 | 7.8 | 1.0 | 6.8 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 99 | 99-M-121 | 11.3 | 10.7 | 1.0 | 9.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 100 | 99-M-123 | 11.4 | 10.8 | 1.3 | 9.5 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 101 | 99-M-124 | 11.6 | 11.1 | 1.0 | 10.1 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 102 | 99-M-125 | 10.1 | 9.6 | 0.8 | 8.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 103 | 99-M-126 | 10.6 | 10.1 | 1.6 | 8.5 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 104 | 99-M-127 | 11.1 | 10.6 | 1.8 | 8.8 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 105 | 99-M-129 | 10.7 | 10.2 | 2.7 | 7.5 | P | 30 | 10 | 60 | U | + | Y | - | B | B | N | TILL |
| 106 | 99-M-131 | 9.6 | 9.2 | 0.8 | 8.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 107 | 99-M-134 | 11.3 | 10.9 | 1.3 | 9.6 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 108 | 99-M-135 | 12.2 | 11.7 | 1.1 | 10.6 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 109 | 99-M-136 | 9.0 | 8.5 | 0.6 | 7.9 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 110 | 99-M-139 | 10.5 | 9.8 | 3.0 | 6.8 | P | 40 | 10 | 50 | U | + | Y | - | B | B | N | TILL |
| 111 | 99-M-140 | 10.7 | 10.2 | 0.6 | 9.6 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 112 | 99-M-142 | 9.3 | 8.8 | 1.4 | 7.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 113 | 99-M-145 | 10.8 | 10.2 | 0.2 | 10.0 | P | 50 | TR | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 114 | 99-M-146 | 11.2 | 10.7 | 0.9 | 9.8 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 115 | 99-M-147 | 11.4 | 10.8 | 0.8 | 10.0 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 116 | 99-M-148 | 11.6 | 11.0 | 1.0 | 10.0 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 117 | 99-M-149 | 11.1 | 10.5 | 1.0 | 9.5 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 118 | 99-M-150 | 11.8 | 11.2 | 0.8 | 10.4 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 119 | 99-M-151 | 9.8 | 9.3 | 0.6 | 8.7 | P | 40 | 30 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 120 | 99-M-152 | 11.4 | 10.9 | 0.8 | 10.1 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 121 | 99-M-154 | 10.1 | 9.6 | 0.8 | 8.8 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 122 | 99-M-155 | 11.1 | 10.5 | 1.4 | 9.1 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 123 | 99-M-156 | 11.3 | 10.7 | 0.8 | 9.9 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 124 | 99-M-157 | 10.7 | 10.2 | 1.0 | 9.2 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 125 | 99-M-201 | 8.9 | 8.3 | 1.7 | 6.6 | P | 50 | TR | 50 | U | Y | Y | Y | GY | GB | N | TILL |
| 126 | 99-M-202 | 9.3 | 8.7 | 2.6 | 6.1 | P | 50 | TR | 50 | U | Y | Y | Y | GY | GB | N | TILL |
| 127 | 99-M-203 | 10.1 | 10.5 | 1.4 | 9.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 128 | 99-M-204 | 8.8 | 8.3 | 0.7 | 7.6 | P | 30 | 20 | 50 | U | - | + | Y | B | B | N | TILL |
| 129 | 99-M-205 | 8.9 | 8.3 | 0.4 | 7.9 | P | 50 | TR | 50 | U | Y | Y | Y | GY | GB | N | TILL |
| 130 | 99-M-206 | 7.1 | 6.6 | 0.5 | 6.1 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 131 | 99-M-207 | 7.5 | 7.0 | 0.9 | 6.1 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 132 | 99-M-208 | 10.1 | 9.6 | 0.4 | 9.2 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 133 | 99-M-209 | 8.9 | 8.3 | 0.5 | 7.8 | P | 40 | TR | 60 | U | Y | + | Y | GY | GB | N | TILL |
| 134 | 99-M-210 | 7.9 | 7.3 | 0.9 | 6.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 135 | 99-M-211 | 9.9 | 9.4 | 1.0 | 8.4 | P | 40 | TR | 60 | U | Y | Y | Y | GB | GB | N | TILL |
| 136 | 99-M-212 | 7.2 | 6.8 | 0.4 | 6.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 137 | 99-M-213 | 8.5 | 8.0 | 0.6 | 7.4 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 138 | 99-M-214 | 9.1 | 8.5 | 0.7 | 7.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 139 | 99-M-215 | 10.1 | 9.6 | 0.8 | 8.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |

| | | | | | | SAMPLE DESCRIPTION | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Process Order | Sample Site | Bulk Rec'd weight (kg) | Table Split weight (kg) | +2 mm Clasts | Table Feed | Clasts >2.0 mm | | | | Matrix <2.0 mm | | | | Colour | | Organics | Sediment |
| | | | | | | SIZE | V/S % | GR % | LS % | S/U | SD | ST | CY | Sand | Clay | | |
| 140 | 99-M-217 | 8.9 | 8.4 | 5.4 | 3.0 | P | 30 | 10 | 60 | S | M,C | - | N | B | NA | N | GRAVEL |
| 141 | 99-M-218 | 7.3 | 6.8 | 0.3 | 6.5 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 142 | 99-M-219 | 8.0 | 7.4 | 0.4 | 7.0 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 143 | 99-M-220 | 10.0 | 9.5 | 0.4 | 9.1 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 144 | 99-M-221 | 10.0 | 9.4 | 0.6 | 8.8 | P | 70 | TR | 30 | U | Y | Y | Y | GY | GY | N | TILL |
| 145 | 99-M-223 | 8.8 | 8.1 | 2.3 | 5.8 | P | 50 | TR | 50 | U | + | Y | - | B | B | N | TILL |
| 146 | 99-M-224 | 9.5 | 9.1 | 1.3 | 7.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 147 | 99-M-225 | 8.1 | 7.6 | 1.7 | 5.9 | P | 50 | TR | 50 | U | + | Y | Y | B | B | N | TILL |
| 148 | 99-M-226 | 7.4 | 7.0 | 1.0 | 6.0 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 149 | 99-M-227 | 8.1 | 7.5 | 0.9 | 6.6 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 150 | 99-M-228 | 7.4 | 7.0 | 0.6 | 6.4 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 151 | 99-M-229 | 7.2 | 6.7 | 1.3 | 5.4 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 152 | 99-M-230 | 8.0 | 7.5 | 1.0 | 6.5 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 153 | 99-M-233 | 7.3 | 6.8 | 0.7 | 6.1 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 154 | 99-M-234 | 7.6 | 7.1 | 0.8 | 6.3 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 155 | 99-M-235 | 9.0 | 8.4 | 2.5 | 5.9 | P | 80 | 0 | 20 | U | + | Y | Y | BN | LBN | N | TILL |
| 156 | 99-M-236 | 8.0 | 7.5 | 0.6 | 6.9 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 157 | 99-M-237 | 7.6 | 7.1 | 1.0 | 6.1 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 158 | 99-M-238 | 8.4 | 7.8 | 0.4 | 7.4 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 159 | 99-M-239 | 8.6 | 8.0 | 0.7 | 7.3 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 160 | 99-M-240 | 9.4 | 8.8 | 0.3 | 8.5 | P | 50 | TR | 50 | U | - | + | Y | B | B | N | TILL |
| 161 | 99-M-241 | 8.2 | 7.7 | 0.6 | 7.1 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 162 | 99-M-242 | 8.1 | 7.6 | 0.5 | 7.1 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 163 | 99-M-243 | 9.0 | 8.4 | 1.2 | 7.2 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 164 | 99-M-245 | 8.3 | 7.8 | 1.0 | 6.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 165 | 99-M-246 | 9.2 | 8.7 | 1.0 | 7.7 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 166 | 99-M-248 | 10.4 | 9.9 | 0.6 | 9.3 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 167 | 99-M-249 | 8.5 | 8.5 | 0.7 | 7.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 168 | 99-M-250 | 9.8 | 9.4 | 0.4 | 9.0 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 169 | 99-M-251 | 9.6 | 9.1 | 0.3 | 8.8 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 170 | 99-M-252 | 9.4 | 8.7 | 1.3 | 7.4 | P | 70 | 20 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 171 | 99-M-253 | 8.0 | 7.4 | 1.1 | 6.3 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 172 | 99-M-257 | 7.5 | 6.0 | 2.8 | 3.2 | P | 30 | 10 | 60 | U | + | Y | - | B | B | N | SANDY TILL |
| 173 | 99-M-259 | 6.5 | 6.1 | 0.6 | 5.5 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 174 | 99-M-260 | 7.1 | 6.7 | 0.6 | 6.1 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 175 | 99-M-261 | 10.0 | 9.4 | 0.4 | 9.0 | P | 40 | TR | 60 | U | Y | + | Y | B | B | N | TILL |
| 176 | 99-M-262 | 9.9 | 9.3 | 0.7 | 8.6 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 177 | 99-M-263 | 8.6 | 8.2 | 0.2 | 8.0 | P | 40 | TR | 60 | U | Y | + | Y | B | B | N | TILL |
| 178 | 99-M-264 | 10.0 | 9.4 | 2.6 | 6.8 | P | 35 | 5 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 179 | 99-M-265 | 8.4 | 7.9 | 0.3 | 7.6 | P | 40 | TR | 60 | U | Y | + | Y | B | B | N | TILL |
| 180 | 99-M-266 | 8.5 | 7.9 | 1.2 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 181 | 99-M-267 | 7.0 | 6.4 | 0.6 | 5.8 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 182 | 99-M-268 | 7.6 | 7.2 | 0.3 | 6.9 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 183 | 99-M-269 | 7.9 | 7.3 | 0.7 | 6.6 | P | 30 | 5 | 65 | U | Y | Y | Y | B | B | N | TILL |
| 184 | 99-M-271 | 8.0 | 7.4 | 0.2 | 7.2 | P | 40 | TR | 60 | U | - | + | + | B | B | N | TILL |
| 185 | 99-M-272 | 9.9 | 9.3 | 0.7 | 8.6 | P | 30 | 30 | 40 | U | - | + | Y | B | B | N | TILL |
| 186 | 99-M-273 | 7.9 | 7.4 | 0.7 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 187 | 99-M-274 | 9.3 | 8.8 | 0.1 | 8.7 | P | 40 | 20 | 40 | U | - | + | + | B | B | N | SILTY TILL |

| Process Order | Sample Site | Bulk Rec'd weight (kg) | Table Split weight (kg) | +2 mm Clasts | Table Feed | SAMPLE DESCRIPTION: Clasts >2.0 mm SIZE | V/S % | GR % | LS % | Matrix <2.0 mm S/U | SD | ST | CY | Colour Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 188 | 99-M-275 | 8.3 | 7.8 | 0.7 | 7.1 | P | 35 | 15 | 50 | U | - | + | + | B | B | N | SILTY TILL |
| 189 | 99-M-276 | 8.3 | 7.7 | 0.4 | 7.3 | P | 35 | 5 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 190 | 99-M-277 | 10.7 | 10.2 | 0.5 | 9.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 191 | 99-M-278 | 10.6 | 10.0 | 0.7 | 9.3 | P | 25 | 25 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 192 | 99-M-279 | 8.9 | 8.4 | 0.1 | 8.3 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 193 | 99-M-280 | 10.1 | 9.6 | 0.3 | 9.3 | P | 20 | 20 | 60 | U | - | + | Y | B | B | N | TILL |
| 194 | 99-M-281 | 10.3 | 9.8 | 1.0 | 8.8 | P | 30 | 15 | 55 | U | Y | + | + | B | B | N | TILL |
| 195 | 99-M-282 | 7.9 | 7.3 | 0.4 | 6.9 | P | 35 | 10 | 55 | U | Y | + | + | B | B | N | TILL |
| 196 | 99-M-284 | 10.7 | 10.1 | 0.6 | 9.5 | P | 30 | 20 | 50 | U | - | + | + | B | B | N | TILL |
| 197 | 99-M-286 | 8.4 | 7.7 | 2.1 | 5.6 | P | 15 | 20 | 65 | U | Y | + | + | B | B | N | TILL |
| 198 | 99-M-287 | 10.5 | 10.1 | 0.8 | 9.3 | P | 30 | 20 | 50 | U | Y | + | + | B | B | N | TILL |
| 199 | 99-M-288 | 10.7 | 10.7 | 0.8 | 9.9 | P | 30 | 10 | 60 | U | Y | + | + | B | B | N | TILL |
| 200 | 99-M-289 | 10.9 | 10.3 | 1.2 | 9.1 | P | 30 | 20 | 50 | U | Y | + | + | B | B | N | TILL |
| 201 | 99-M-290 | 8.8 | 8.3 | 0.7 | 7.6 | P | 15 | 5 | 80 | U | Y | + | + | B | B | Y | TILL |
| 202 | 99-M-291 | 7.8 | 7.4 | 0.6 | 6.8 | P | 15 | 5 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 203 | 99-M-292 | 11.9 | 11.2 | 1.8 | 9.4 | P | 25 | 5 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 204 | 99-M-293 | 10.0 | 9.4 | 1.1 | 8.3 | P | 15 | 5 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 205 | 99-M-294 | 9.3 | 8.8 | 0.8 | 8.0 | P | 45 | 5 | 50 | U | Y | Y | Y | GY | GY | N | TILL |
| 206 | 99-M-295 | 9.3 | 8.8 | 1.4 | 7.4 | P | 20 | 5 | 75 | U | + | - | - | B | B | N | SANDY TILL |
| 207 | 99-M-296 | 11.0 | 10.5 | 1.3 | 9.2 | P | 15 | 5 | 80 | U | Y | Y | Y | GY | GB | N | TILL |
| 208 | 99-M-297 | 9.9 | 9.5 | 0.5 | 9.0 | P | 80 | 5 | 15 | U | - | + | Y | B | B | N | SILTY TILL |
| 209 | 99-M-298 | 10.8 | 10.2 | 0.9 | 9.3 | P | 25 | 5 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 210 | 99-M-300 | 10.5 | 9.9 | 0.3 | 9.6 | P | 30 | 30 | 40 | U | - | + | + | B | B | N | SILTY TILL |
| 211 | 99-M-301 | 8.9 | 8.4 | 0.2 | 8.2 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 212 | 99-M-302 | 10.0 | 9.6 | 0.6 | 9.0 | P | 40 | 20 | 40 | U | Y | Y | Y | GB | B | N | TILL |
| 213 | 99-M-303 | 10.3 | 9.7 | 0.6 | 9.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 214 | 99-M-304 | 10.8 | 10.2 | 1.0 | 9.2 | P | 60 | 30 | 10 | U | Y | + | + | GY | GB | N | TILL |
| 215 | 99-M-305 | 11.8 | 11.2 | 0.2 | 11.0 | P | 50 | 10 | 40 | U | - | + | + | B | B | N | SILTY TILL |
| 216 | 99-M-306 | 10.2 | 9.6 | 0.7 | 8.9 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | Y | TILL |
| 217 | 99-M-307 | 9.1 | 8.5 | 0.9 | 7.6 | P | 30 | TR | 70 | S | MC | Y | N | B | NA | N | SAND |
| 218 | 99-M-308 | 11.4 | 10.8 | 0.6 | 10.2 | P | 40 | TR | 60 | U | Y | + | + | B | B | N | TILL |
| 219 | 99-M-309 | 9.5 | 9.1 | 0.3 | 8.8 | P | 30 | 10 | 60 | U | Y | + | + | B | B | N | TILL |
| 220 | 99-M-310 | 8.2 | 7.6 | 0.8 | 6.8 | P | 30 | 10 | 60 | U | Y | + | + | GB | B | N | TILL |
| 221 | 99-M-311 | 10.4 | 9.9 | 0.6 | 9.3 | P | 20 | 5 | 75 | U | Y | Y | Y | GB | GB | N | TILL |
| 222 | 99-M-312 | 7.6 | 7.0 | 1.5 | 5.5 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | Y | TILL |
| 223 | 99-M-313 | 8.0 | 7.4 | 1.6 | 5.8 | P | 15 | TR | 85 | S | MC | N | N | B | NA | N | SAND |
| 224 | 99-M-314 | 10.9 | 10.5 | 0.8 | 9.7 | P | 10 | TR | 90 | U | Y | Y | Y | GB | GB | N | TILL |
| 225 | 99-M-315 | 11.2 | 10.6 | 0.8 | 9.8 | P | 20 | 5 | 75 | U | Y | Y | Y | B | B | N | TILL |
| 226 | 99-M-316 | 10.6 | 10.0 | 1.2 | 8.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 227 | 99-M-317 | 10.0 | 9.3 | 0.5 | 8.8 | P | 45 | TR | 55 | U | Y | Y | Y | GY | GY | Y | TILL |
| 228 | 99-M-319 | 7.8 | 7.2 | 0.6 | 6.6 | P | 20 | 5 | 75 | U | Y | Y | Y | B | B | N | TILL |
| 229 | 99-M-320 | 10.1 | 9.6 | 0.5 | 9.1 | P | 1 | 5 | 94 | U | Y | Y | Y | B | B | N | TILL |
| 230 | 99-M-324 | 7.8 | 7.2 | 0.3 | 6.9 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 231 | 99-M-326 | 10.1 | 9.3 | 0.6 | 8.7 | P | 10 | TR | 90 | U | Y | Y | Y | B | B | N | TILL |
| 232 | 99-M-327 | 10.3 | 9.7 | 0.7 | 9.0 | P | 15 | TR | 85 | U | Y | Y | Y | B | B | N | TILL |
| 233 | 99-M-329 | 10.3 | 9.7 | 0.8 | 8.9 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 234 | 99-M-330 | 10.2 | 9.6 | 0.8 | 8.8 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 235 | 99-M-331 | 9.9 | 9.4 | 0.5 | 8.9 | P | 10 | TR | 90 | U | Y | Y | Y | B | B | N | TILL |

| Process Order | Sample Site | Bulk Rec'd weight (kg) | Table Split weight (kg) | +2 mm Clasts | Table Feed | SAMPLE DESCRIPTION: Clasts >2.0 mm SIZE | V/S % | GR % | LS % | Matrix <2.0 mm S/U | SD | ST | CY | Colour Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 236 | 99-M-332 | 10.6 | 10.9 | 0.6 | 10.3 | P | 10 | TR | 90 | U | Y | Y | Y | B | B | N | TILL |
| 237 | 99-M-334 | 9.4 | 8.8 | 1.9 | 6.9 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 238 | 99-M-335 | 11.0 | 10.4 | 0.8 | 9.6 | P | 15 | TR | 85 | U | Y | Y | Y | B | B | N | TILL |
| 239 | 99-M-338 | 9.7 | 9.3 | 1.1 | 8.2 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 240 | 99-M-339 | 9.5 | 9.0 | 4.7 | 4.3 | P | 10 | TR | 90 | U | + | - | Y | B | B | N | TILL |
| 241 | 99-M-341 | 10.3 | 9.8 | 0.8 | 9.0 | P | 20 | 10 | 70 | U | Y | Y | Y | GB | B | N | TILL |
| 242 | 99-M-342 | 9.9 | 9.2 | 0.8 | 8.4 | P | 20 | 10 | 70 | U | Y | Y | Y | GB | B | N | TILL |
| 243 | 99-M-343 | 9.7 | 8.5 | 1.8 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | GB | B | N | TILL |
| 244 | 99-M-344 | 8.9 | 8.3 | 0.8 | 7.5 | P | 30 | 10 | 60 | U | Y | Y | Y | GB | B | N | TILL |
| 245 | 99-M-345 | 8.0 | 7.3 | 0.6 | 6.7 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 246 | 99-M-346 | 9.0 | 8.4 | 0.8 | 7.6 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | B | N | TILL |
| 247 | 99-M-347 | 10.7 | 10.1 | 1.1 | 9.0 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 248 | 99-M-349 | 10.1 | 9.5 | 1.2 | 8.3 | P | 40 | 20 | 40 | U | Y | Y | Y | GY | GB | N | TILL |
| 249 | 99-M-350 | 9.5 | 8.9 | 1.4 | 7.5 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 250 | 99-M-351 | 8.5 | 7.9 | 1.1 | 6.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |

# Kimberlite Indicator Minerals (KIM)

| Sample Site | Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-2 | 724.5 | 702.7 | 5.6 | 16.2 | 12.3 | 0.4 | 2.6 | 0.50 | 0.40 | 0 | 0 | 1 |
| 99-M-3 | 605.3 | 582.0 | 5.9 | 17.4 | 14.2 | 0.3 | 2.2 | 0.60 | 0.10 | 0 | 0 | 0 |
| 99-M-4 | 536.1 | 526.7 | 2.5 | 6.9 | 5.5 | 0.1 | 0.9 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-5 | 410.3 | 397.1 | 2.8 | 10.4 | 7.8 | 0.4 | 1.5 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-7 | 682.5 | 648.1 | 6.8 | 27.6 | 22.8 | 0.4 | 3.3 | 0.80 | 0.30 | 0 | 0 | 0 |
| 99-M-8 | 556.6 | 537.4 | 4.5 | 14.7 | 11.3 | 0.3 | 2.1 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-9 | 531.2 | 514.7 | 3.8 | 12.7 | 9.2 | 0.4 | 2.2 | 0.70 | 0.20 | 0 | 0 | 2 |
| 99-M-10 | 418.9 | 408.5 | 2.7 | 7.7 | 5.6 | 0.2 | 1.3 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-11 | 617.6 | 596.9 | 5.4 | 15.3 | 12.2 | 0.4 | 2.0 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-12 | 519.2 | 505.6 | 3.9 | 9.7 | 7.1 | 0.3 | 1.6 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-13 | 541.0 | 519.7 | 4.8 | 16.5 | 13.6 | 0.4 | 2.0 | 0.40 | 0.10 | 0 | 1 | 1 |
| 99-M-14 | 443.0 | 425.5 | 4.0 | 13.5 | 10.9 | 0.4 | 1.7 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-15 | 1424.0 | 1398.9 | 4.0 | 21.1 | 11.9 | 0.4 | 7.8 | 0.90 | 0.10 | 0 | 0 | 0 |
| 99-M-16 | 651.3 | 637.6 | 2.3 | 11.4 | 7.8 | 0.2 | 2.6 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-17 | 519.6 | 498.4 | 5.2 | 16.0 | 13.1 | 0.1 | 2.0 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-18 | 635.1 | 602.9 | 9.4 | 22.8 | 14.7 | 1.5 | 4.6 | 1.80 | 0.20 | 0 | 0 | 0 |
| 99-M-19 | 843.8 | 823.0 | 5.3 | 15.5 | 10.7 | 0.3 | 3.4 | 0.90 | 0.20 | 0 | 0 | 1 |
| 99-M-21 | 425.1 | 401.9 | 5.8 | 17.4 | 15.6 | 0.2 | 1.2 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-25 | 477.6 | 458.9 | 5.0 | 13.7 | 10.2 | 0.2 | 1.9 | 0.70 | 0.70 | 0 | 0 | 1 |
| 99-M-26 | 574.8 | 555.0 | 5.2 | 14.6 | 11.4 | 0.3 | 2.1 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-27 | 711.0 | 692.5 | 4.2 | 14.3 | 11.6 | 0.3 | 1.8 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-28 | 620.6 | 607.4 | 3.7 | 9.5 | 7.5 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-29 | 636.5 | 624.2 | 3.2 | 9.1 | 6.5 | 0.4 | 1.2 | 0.50 | 0.50 | 0 | 0 | 0 |
| 99-M-30 | 433.5 | 410.6 | 6.2 | 16.7 | 13.9 | 0.4 | 1.6 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-31 | 511.8 | 503.8 | 2.2 | 5.8 | 4.2 | 0.3 | 0.9 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-32 | 398.6 | 386.0 | 2.3 | 10.3 | 8.9 | 0.2 | 0.9 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-33 | 356.0 | 345.3 | 2.0 | 8.7 | 7.5 | 0.1 | 0.8 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-34 | 446.7 | 436.6 | 2.6 | 7.5 | 6.3 | 0.1 | 0.8 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-35 | 446.2 | 429.4 | 3.8 | 13.0 | 10.2 | 0.3 | 1.5 | 0.50 | 0.50 | 0 | 0 | 0 |
| 99-M-36 | 573.8 | 556.2 | 4.3 | 13.3 | 10.5 | 0.3 | 1.8 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-39 | 683.6 | 660.8 | 5.7 | 17.1 | 13.7 | 0.3 | 2.2 | 0.60 | 0.30 | 0 | 0 | 0 |
| 99-M-40 | 659.2 | 629.3 | 6.9 | 23.0 | 18.2 | 0.4 | 3.2 | 0.90 | 0.30 | 0 | 0 | 0 |
| 99-M-41 | 590.6 | 570.6 | 4.6 | 15.4 | 12.5 | 0.3 | 1.9 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-42 | 762.2 | 749.1 | 2.4 | 10.7 | 8.3 | 0.3 | 1.6 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-43 | 521.8 | 504.4 | 4.1 | 13.3 | 10.9 | 0.1 | 1.7 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-44 | 552.3 | 530.5 | 4.7 | 17.1 | 14.2 | 0.2 | 1.9 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-45 | 524.1 | 515.9 | 2.1 | 6.1 | 4.6 | 0.1 | 0.9 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-46 | 415.4 | 399.1 | 3.6 | 12.7 | 10.4 | 0.1 | 1.6 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-47 | 515.4 | 486.8 | 6.6 | 22.0 | 19.4 | 0.1 | 1.9 | 0.50 | 0.10 | 0 | 0 | 0 |
| 99-M-48 | 1163.6 | 1149.8 | 1.2 | 12.6 | 5.4 | 0.3 | 3.9 | 1.60 | 1.40 | 0 | 0 | 0 |
| 99-M-49 | 529.9 | 512.1 | 4.3 | 13.5 | 10.2 | 1.0 | 1.8 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-50 | 696.6 | 661.0 | 8.7 | 26.9 | 20.4 | 0.8 | 3.9 | 1.30 | 0.50 | 0 | 0 | 0 |
| 99-M-51 | 438.4 | 421.1 | 0.6 | 16.7 | 13.2 | 1.0 | 1.9 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-52 | 448.5 | 429.7 | 4.3 | 14.5 | 12.6 | 0.4 | 1.1 | 0.30 | 0.06 | 0 | 0 | 1 |

| Sample Site | Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-53 | 517.4 | 494.4 | 6.4 | 16.6 | 12.4 | 0.7 | 2.4 | 0.70 | 0.40 | 0 | 0 | 1 |
| 99-M-54 | 393.8 | 382.5 | 2.6 | 8.7 | 6.0 | 0.6 | 1.4 | 0.40 | 0.30 | 0 | 0 | 0 |
| 99-M-55 | 440.7 | 426.1 | 3.6 | 11.0 | 8.5 | 0.6 | 1.4 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-56 | 741.7 | 701.4 | 11.2 | 29.1 | 23.8 | 0.9 | 3.0 | 0.90 | 0.50 | 0 | 0 | 1 |
| 99-M-57 | 444.1 | 421.6 | 4.6 | 17.9 | 15.1 | 0.3 | 2.0 | 0.40 | 0.10 | 0 | 0 | 1 |
| 99-M-59 | 502.3 | 480.7 | 4.5 | 17.1 | 14.4 | 0.4 | 1.7 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-63 | 620.9 | 576.2 | 13.0 | 31.7 | 22.8 | 1.2 | 5.4 | 1.70 | 0.60 | 0 | 0 | 0 |
| 99-M-64 | 408.9 | 386.1 | 5.0 | 17.8 | 14.4 | 0.6 | 1.8 | 0.60 | 0.40 | 0 | 0 | 0 |
| 99-M-65 | 508.1 | 487.6 | 5.1 | 15.4 | 12.0 | 0.8 | 1.9 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-66 | 677.9 | 654.3 | 5.7 | 17.9 | 11.9 | 1.2 | 3.7 | 0.80 | 0.30 | 0 | 0 | 2 |
| 99-M-67 | 548.5 | 523.8 | 5.8 | 18.9 | 15.1 | 0.9 | 2.1 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-68 | 301.8 | 280.9 | 4.6 | 16.3 | 14.6 | 0.6 | 0.8 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-69 | 268.0 | 264.3 | 0.8 | 2.9 | 2.5 | 0.0 | 0.3 | 0.04 | 0.01 | 0 | 0 | 0 |
| 99-M-70 | 384.6 | 372.4 | 0.6 | 11.6 | 8.7 | 0.6 | 1.7 | 0.50 | 0.10 | 0 | 0 | 0 |
| 99-M-71 | 604.7 | 580.8 | 5.3 | 18.6 | 13.7 | 0.8 | 2.8 | 0.90 | 0.40 | 0 | 0 | 0 |
| 99-M-73 | 536.0 | 507.7 | 6.2 | 22.1 | 17.3 | 0.9 | 2.7 | 0.80 | 0.40 | 0 | 0 | 1 |
| 99-M-74 | 608.6 | 584.4 | 7.3 | 16.9 | 13.5 | 0.4 | 2.1 | 0.60 | 0.30 | 0 | 0 | 0 |
| 99-M-75 | 626.3 | 598.3 | 8.9 | 19.1 | 14.1 | 0.5 | 2.9 | 1.10 | 0.50 | 0 | 0 | 0 |
| 99-M-76 | 539.4 | 516.5 | 6.8 | 16.1 | 13.4 | 0.4 | 1.8 | 0.40 | 0.10 | 0 | 0 | 2 |
| 99-M-77 | 447.9 | 427.3 | 5.7 | 14.9 | 11.7 | 0.3 | 2.0 | 0.60 | 0.30 | 0 | 0 | 2 |
| 99-M-78 | 630.8 | 616.9 | 4.4 | 9.5 | 7.1 | 0.3 | 1.4 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-79 | 507.9 | 487.6 | 5.9 | 14.4 | 11.6 | 0.3 | 1.8 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-80 | 614.9 | 588.3 | 8.0 | 18.6 | 15.0 | 0.4 | 2.4 | 0.60 | 0.20 | 0 | 0 | 1 |
| 99-M-81 | 593.3 | 559.0 | 9.2 | 25.1 | 21.1 | 0.6 | 2.5 | 0.60 | 0.30 | 0 | 0 | 2 |
| 99-M-82 | 658.0 | 627.5 | 8.6 | 21.9 | 17.9 | 0.5 | 2.6 | 0.70 | 0.20 | 0 | 0 | 2 |
| 99-M-83 | 733.6 | 691.3 | 12.2 | 30.1 | 23.1 | 0.6 | 4.8 | 1.20 | 0.40 | 0 | 1 | 4 |
| 99-M-84 | 563.3 | 537.7 | 6.9 | 18.7 | 15.5 | 0.2 | 2.2 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-85 | 642.6 | 621.3 | 3.7 | 17.6 | 15.3 | 0.4 | 1.6 | 0.30 | 0.03 | 0 | 0 | 0 |
| 99-M-86 | 647.7 | 616.9 | 8.9 | 21.9 | 17.2 | 0.3 | 3.2 | 0.90 | 0.30 | 0 | 0 | 2 |
| 99-M-87 | 700.2 | 683.3 | 5.0 | 11.9 | 8.6 | 0.3 | 1.9 | 0.70 | 0.40 | 0 | 0 | 1 |
| 99-M-89 | 548.9 | 529.9 | 5.2 | 13.8 | 11.2 | 0.2 | 1.8 | 0.40 | 0.20 | 0 | 0 | 3 |
| 99-M-90 | 468.3 | 443.4 | 6.1 | 18.8 | 16.7 | 0.3 | 1.4 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-91 | 581.1 | 567.0 | 4.1 | 10.0 | 7.4 | 0.2 | 1.8 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-93 | 701.6 | 671.7 | 7.8 | 22.1 | 17.9 | 0.4 | 2.8 | 0.70 | 0.30 | 0 | 0 | 2 |
| 99-M-94 | 698.2 | 668.8 | 7.5 | 21.9 | 17.0 | 0.5 | 2.9 | 0.90 | 0.60 | 0 | 0 | 0 |
| 99-M-95 | 714.6 | 688.2 | 6.9 | 19.5 | 15.0 | 0.4 | 3.1 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-97 | 628.2 | 590.4 | 10.6 | 27.2 | 21.6 | 0.4 | 3.8 | 0.80 | 0.60 | 0 | 0 | 1 |
| 99-M-98 | 768.0 | 741.6 | 7.1 | 19.3 | 13.7 | 0.5 | 3.6 | 1.00 | 0.50 | 0 | 0 | 0 |
| 99-M-100 | 866.7 | 844.7 | 6.5 | 15.5 | 6.7 | 0.8 | 6.0 | 1.20 | 0.80 | 0 | 0 | 3 |
| 99-M-101 | 761.0 | 731.4 | 8.4 | 21.2 | 15.0 | 0.7 | 4.1 | 0.90 | 0.50 | 0 | 0 | 7 |
| 99-M-102 | 552.7 | 525.0 | 6.7 | 21.0 | 17.7 | 0.2 | 2.4 | 0.50 | 0.20 | 0 | 1 | 2 |
| 99-M-104 | 522.2 | 499.0 | 6.0 | 17.2 | 14.8 | 0.2 | 1.6 | 0.40 | 0.20 | 0 | 0 | 2 |
| 99-M-105 | 885.7 | 839.3 | 11.9 | 34.5 | 26.9 | 0.7 | 5.1 | 1.20 | 0.60 | 0 | 0 | 4 |
| 99-M-106 | 573.6 | 548.3 | 6.5 | 18.8 | 15.3 | 0.2 | 2.4 | 0.70 | 0.20 | 0 | 0 | 1 |
| 99-M-107 | 506.3 | 477.3 | 7.1 | 21.9 | 18.8 | 0.3 | 2.2 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-108 | 510.0 | 481.8 | 6.5 | 21.7 | 18.7 | 0.4 | 2.0 | 0.40 | 0.20 | 0 | 0 | 4 |
| 99-M-109 | 654.5 | 620.3 | 9.0 | 25.2 | 21.3 | 0.3 | 2.9 | 0.60 | 0.10 | 0 | 0 | 1 |
| 99-M-111 | 489.9 | 462.3 | 7.1 | 20.5 | 16.8 | 0.4 | 2.6 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-112 | 663.0 | 611.1 | 14.3 | 37.6 | 29.4 | 0.5 | 5.5 | 1.40 | 0.80 | 0 | 0 | 6 |
| 99-M-113 | 414.6 | 390.2 | 5.7 | 18.7 | 16.3 | 0.4 | 1.6 | 0.30 | 0.10 | 0 | 0 | 1 |

| Sample Site | Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-114 | 497.2 | 467.5 | 7.4 | 22.3 | 18.8 | 0.3 | 2.6 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-115 | 449.5 | 415.9 | 8.4 | 25.2 | 22.1 | 0.3 | 2.2 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-116 | 899.4 | 874.7 | 4.2 | 20.5 | 10.4 | 0.3 | 5.8 | 2.00 | 2.00 | 0 | 0 | 3 |
| 99-M-118 | 472.5 | 449.4 | 6.2 | 16.9 | 14.1 | 0.4 | 1.8 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-121 | 575.2 | 552.7 | 5.9 | 16.6 | 13.1 | 0.4 | 2.2 | 0.70 | 0.20 | 0 | 0 | 0 |
| 99-M-123 | 722.7 | 698.3 | 5.7 | 18.7 | 14.5 | 0.5 | 2.6 | 0.80 | 0.30 | 0 | 0 | 0 |
| 99-M-124 | 519.6 | 491.1 | 7.2 | 21.3 | 17.5 | 0.5 | 2.6 | 0.60 | 0.10 | 0 | 0 | 3 |
| 99-M-125 | 516.9 | 489.1 | 6.0 | 21.8 | 17.5 | 0.3 | 3.2 | 0.60 | 0.20 | 0 | 0 | 3 |
| 99-M-126 | 707.8 | 682.9 | 6.1 | 18.8 | 13.5 | 0.6 | 3.4 | 0.90 | 0.40 | 0 | 0 | 3 |
| 99-M-127 | 640.5 | 605.3 | 8.4 | 26.8 | 21.0 | 0.5 | 3.9 | 1.00 | 0.40 | 0 | 0 | 2 |
| 99-M-129 | 696.2 | 669.1 | 5.4 | 21.7 | 16.0 | 0.5 | 4.0 | 0.90 | 0.30 | 0 | 0 | 1 |
| 99-M-131 | 456.5 | 440.9 | 3.5 | 12.1 | 9.4 | 0.5 | 1.6 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-134 | 495.9 | 466.0 | 6.8 | 23.1 | 19.0 | 0.7 | 2.6 | 0.60 | 0.20 | 0 | 0 | 1 |
| 99-M-135 | 628.5 | 604.6 | 5.6 | 18.3 | 14.6 | 0.6 | 2.3 | 0.50 | 0.30 | 0 | 0 | 2 |
| 99-M-136 | 444.6 | 424.9 | 5.1 | 14.6 | 11.9 | 0.3 | 1.9 | 0.40 | 0.10 | 0 | 0 | 1 |
| 99-M-139 | 747.8 | 727.3 | 5.5 | 15.0 | 8.6 | 0.7 | 4.3 | 1.00 | 0.40 | 0 | 0 | 2 |
| 99-M-140 | 458.7 | 442.1 | 3.8 | 12.8 | 10.2 | 0.4 | 1.8 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-142 | 528.7 | 501.1 | 6.7 | 20.9 | 16.4 | 0.3 | 3.2 | 0.70 | 0.30 | 0 | 0 | 3 |
| 99-M-145 | 429.0 | 408.0 | 3.4 | 17.6 | 13.8 | 0.8 | 2.4 | 0.50 | 0.10 | 0 | 0 | 1 |
| 99-M-146 | 577.3 | 542.1 | 7.9 | 27.3 | 21.8 | 0.7 | 3.6 | 0.80 | 0.40 | 0 | 0 | 2 |
| 99-M-147 | 569.3 | 537.3 | 7.1 | 24.9 | 20.5 | 0.6 | 2.9 | 0.70 | 0.20 | 0 | 0 | 2 |
| 99-M-148 | 577.5 | 556.5 | 4.8 | 16.2 | 12.5 | 0.4 | 2.3 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-149 | 481.5 | 459.2 | 5.2 | 17.1 | 13.0 | 1.0 | 2.4 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-150 | 548.3 | 499.9 | 11.7 | 36.7 | 32.5 | 0.8 | 2.7 | 0.60 | 0.10 | 0 | 0 | 0 |
| 99-M-151 | 483.6 | 465.5 | 3.7 | 14.4 | 11.2 | 0.7 | 1.9 | 0.40 | 0.20 | 0 | 0 | 4 |
| 99-M-152 | 576.7 | 556.0 | 4.6 | 16.1 | 12.6 | 0.6 | 2.2 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-154 | 598.3 | 578.3 | 4.0 | 16.0 | 12.2 | 0.8 | 2.4 | 0.50 | 0.10 | 0 | 1 | 2 |
| 99-M-155 | 726.7 | 691.9 | 6.5 | 28.3 | 23.2 | 0.8 | 3.0 | 0.90 | 0.40 | 0 | 0 | 2 |
| 99-M-156 | 991.0 | 969.3 | 4.7 | 17.0 | 12.9 | 0.6 | 2.5 | 0.70 | 0.30 | 0 | 0 | 2 |
| 99-M-157 | 510.2 | 481.6 | 6.4 | 22.2 | 16.8 | 0.7 | 3.2 | 1.00 | 0.50 | 0 | 0 | 0 |
| 99-M-201 | 495.0 | 419.9 | 30.7 | 44.4 | 32.2 | 2.3 | 6.6 | 1.80 | 1.50 | 0 | 0 | 1 |
| 99-M-202 | 626.9 | 600.5 | 5.7 | 20.7 | 12.8 | 1.1 | 4.3 | 1.40 | 1.10 | 0 | 0 | 0 |
| 99-M-203 | 454.4 | 417.2 | 8.3 | 28.9 | 24.0 | 0.5 | 3.1 | 0.90 | 0.40 | 0 | 0 | 0 |
| 99-M-204 | 347.9 | 313.7 | 5.6 | 28.6 | 26.3 | 0.6 | 1.2 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-205 | 435.7 | 408.8 | 7.5 | 19.4 | 15.0 | 1.0 | 2.7 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-206 | 391.5 | 372.6 | 4.5 | 14.4 | 12.1 | 0.6 | 1.4 | 0.20 | 0.10 | 0 | 0 | 1 |
| 99-M-207 | 368.7 | 353.6 | 3.6 | 11.5 | 8.7 | 0.7 | 1.6 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-208 | 448.7 | 428.6 | 4.2 | 15.9 | 12.9 | 0.5 | 1.7 | 0.50 | 0.30 | 0 | 0 | 2 |
| 99-M-209 | 399.2 | 372.3 | 6.3 | 20.6 | 16.7 | 1.1 | 2.3 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-210 | 377.2 | 359.2 | 4.5 | 13.5 | 10.0 | 0.8 | 1.8 | 0.50 | 0.40 | 0 | 0 | 0 |
| 99-M-211 | 530.3 | 508.5 | 5.1 | 16.7 | 12.8 | 0.6 | 2.5 | 0.50 | 0.30 | 0 | 0 | 1 |
| 99-M-212 | 427.3 | 416.9 | 2.4 | 8.0 | 6.1 | 0.4 | 1.1 | 0.30 | 0.06 | 0 | 0 | 2 |
| 99-M-213 | 470.9 | 454.7 | 1.8 | 14.4 | 11.2 | 0.4 | 2.2 | 0.50 | 0.10 | 0 | 0 | 1 |
| 99-M-214 | 456.6 | 427.3 | 5.8 | 23.5 | 13.6 | 2.7 | 3.9 | 2.20 | 1.10 | 0 | 0 | 2 |
| 99-M-215 | 548.8 | 528.6 | 4.6 | 15.6 | 12.4 | 0.5 | 2.0 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-217 | 794.1 | 787.5 | 1.4 | 5.2 | 1.0 | 0.4 | 1.9 | 1.40 | 0.50 | 0 | 0 | 1 |
| 99-M-218 | 510.0 | 499.3 | 2.5 | 8.2 | 6.5 | 0.5 | 0.9 | 0.20 | 0.10 | 0 | 0 | 1 |
| 99-M-219 | 528.5 | 509.4 | 4.1 | 15.0 | 13.2 | 0.3 | 1.2 | 0.30 | 0.04 | 0 | 0 | 0 |
| 99-M-220 | 640.2 | 624.0 | 3.8 | 12.4 | 10.3 | 0.4 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-221 | 601.0 | 577.5 | 3.7 | 19.8 | 15.6 | 0.4 | 2.8 | 0.70 | 0.30 | 0 | 0 | 1 |

| Sample Site | Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-223 | 893.2 | 875.5 | 4.3 | 13.4 | 7.2 | 0.6 | 3.5 | 1.40 | 0.70 | 0 | 0 | 2 |
| 99-M-224 | 463.2 | 451.5 | 3.3 | 8.4 | 6.3 | 0.5 | 1.2 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-225 | 653.0 | 636.0 | 3.2 | 13.8 | 9.6 | 0.7 | 2.5 | 0.70 | 0.30 | 0 | 0 | 2 |
| 99-M-226 | 520.4 | 500.9 | 4.5 | 15.0 | 11.7 | 0.4 | 2.1 | 0.60 | 0.20 | 0 | 0 | 2 |
| 99-M-227 | 430.6 | 415.7 | 3.4 | 11.5 | 8.8 | 0.5 | 1.7 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-228 | 461.7 | 452.8 | 2.1 | 6.8 | 5.0 | 0.3 | 1.1 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-229 | 441.7 | 429.1 | 3.2 | 9.4 | 7.1 | 0.4 | 1.2 | 0.40 | 0.30 | 0 | 0 | 0 |
| 99-M-230 | 554.9 | 541.1 | 3.1 | 10.7 | 8.0 | 0.3 | 1.8 | 0.50 | 0.10 | 0 | 0 | 0 |
| 99-M-233 | 456.8 | 445.2 | 2.8 | 8.8 | 6.2 | 0.6 | 1.4 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-234 | 419.2 | 411.5 | 2.1 | 5.6 | 4.0 | 0.2 | 1.0 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-235 | 698.7 | 659.9 | 8.0 | 30.8 | 24.8 | 0.9 | 3.3 | 1.00 | 0.80 | 0 | 0 | 1 |
| 99-M-236 | 545.0 | 534.6 | 2.3 | 8.1 | 6.3 | 0.5 | 1.0 | 0.20 | 0.10 | 0 | 0 | 1 |
| 99-M-237 | 461.3 | 448.5 | 3.1 | 9.7 | 7.2 | 0.6 | 1.5 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-238 | 452.0 | 430.0 | 5.0 | 17.0 | 14.3 | 0.4 | 1.8 | 0.40 | 0.10 | 0 | 0 | 2 |
| 99-M-239 | 465.7 | 447.3 | 4.0 | 14.4 | 11.7 | 0.4 | 1.6 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-240 | 459.5 | 444.7 | 2.8 | 12.0 | 9.3 | 0.6 | 1.3 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-241 | 505.7 | 496.4 | 2.5 | 6.8 | 5.3 | 0.1 | 0.9 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-242 | 449.2 | 438.2 | 2.7 | 8.3 | 6.5 | 0.2 | 1.0 | 0.30 | 0.30 | 0 | 0 | 0 |
| 99-M-243 | 609.7 | 596.2 | 4.1 | 9.4 | 6.7 | 0.3 | 1.6 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-245 | 518.1 | 494.7 | 6.8 | 16.6 | 12.4 | 0.3 | 2.6 | 0.80 | 0.50 | 0 | 0 | 1 |
| 99-M-246 | 559.5 | 535.7 | 5.4 | 18.4 | 15.1 | 0.6 | 2.0 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-248 | 725.3 | 707.5 | 3.9 | 13.9 | 10.3 | 0.6 | 2.1 | 0.60 | 0.30 | 0 | 1 | 0 |
| 99-M-249 | 458.2 | 445.9 | 3.5 | 8.8 | 6.4 | 0.5 | 1.4 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-250 | 863.3 | 835.8 | 7.1 | 20.4 | 17.6 | 0.2 | 2.0 | 0.50 | 0.10 | 0 | 0 | 1 |
| 99-M-251 | 396.9 | 373.6 | 5.0 | 18.3 | 16.9 | 0.2 | 1.0 | 0.20 | 0.04 | 0 | 0 | 0 |
| 99-M-252 | 604.5 | 584.4 | 4.5 | 15.6 | 11.8 | 0.4 | 2.5 | 0.60 | 0.30 | 0 | 0 | 0 |
| 99-M-253 | 409.8 | 382.2 | 7.3 | 20.3 | 16.0 | 0.3 | 2.8 | 0.80 | 0.40 | 0 | 0 | 0 |
| 99-M-257 | 468.5 | 417.2 | 14.1 | 37.2 | 28.6 | 1.1 | 5.4 | 0.90 | 1.20 | 0 | 0 | 3 |
| 99-M-259 | 611.8 | 596.4 | 2.8 | 12.6 | 9.3 | 0.4 | 2.3 | 0.50 | 0.10 | 0 | 0 | 0 |
| 99-M-260 | 477.8 | 467.6 | 2.6 | 7.6 | 5.7 | 0.4 | 1.1 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-261 | 621.9 | 595.0 | 1.0 | 25.9 | 20.5 | 0.9 | 3.3 | 0.80 | 0.40 | 0 | 0 | 1 |
| 99-M-262 | 472.7 | 449.2 | 6.2 | 17.3 | 13.9 | 0.5 | 2.2 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-263 | 485.6 | 461.1 | 8.0 | 16.5 | 15.1 | 0.1 | 1.0 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-264 | 705.7 | 678.8 | 5.5 | 21.4 | 15.6 | 0.7 | 3.7 | 0.90 | 0.50 | 0 | 0 | 0 |
| 99-M-265 | 376.7 | 362.5 | 3.3 | 10.9 | 9.3 | 0.3 | 1.0 | 0.20 | 0.10 | 0 | 0 | 2 |
| 99-M-266 | 514.6 | 494.9 | 5.1 | 14.6 | 11.2 | 0.4 | 2.2 | 0.60 | 0.20 | 0 | 0 | 1 |
| 99-M-267 | 527.2 | 517.7 | 2.8 | 6.7 | 5.3 | 0.1 | 1.0 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-268 | 520.8 | 489.9 | 8.1 | 22.8 | 21.4 | 0.1 | 1.0 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-269 | 398.9 | 386.2 | 3.5 | 9.2 | 7.4 | 0.0 | 1.1 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-271 | 439.9 | 426.5 | 3.5 | 9.9 | 8.5 | 0.2 | 0.9 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-272 | 501.3 | 485.0 | 4.9 | 11.4 | 9.2 | 0.2 | 1.5 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-273 | 487.2 | 472.6 | 4.3 | 10.3 | 8.3 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 1 | 1 |
| 99-M-274 | 540.8 | 523.4 | 2.2 | 15.2 | 14.3 | 0.2 | 0.5 | 0.10 | 0.10 | 0 | 0 | 0 |
| 99-M-275 | 529.9 | 505.7 | 6.4 | 17.8 | 15.1 | 0.4 | 1.8 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-276 | 406.2 | 387.0 | 5.1 | 14.1 | 12.1 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-277 | 515.0 | 486.4 | 6.8 | 21.8 | 19.2 | 0.4 | 1.8 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-278 | 557.3 | 537.0 | 5.7 | 14.6 | 12.0 | 0.4 | 1.6 | 0.50 | 0.10 | 0 | 0 | 1 |
| 99-M-279 | 382.2 | 347.6 | 8.4 | 26.2 | 25.4 | 0.3 | 0.4 | 0.10 | 0.01 | 0 | 0 | 1 |
| 99-M-280 | 713.1 | 637.1 | 13.0 | 63.0 | 60.5 | 0.2 | 1.6 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-281 | 801.2 | 776.4 | 6.9 | 17.9 | 13.5 | 0.6 | 2.1 | 1.00 | 0.70 | 0 | 0 | 0 |

| Sample Site | Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-282 | 493.0 | 478.3 | 4.0 | 10.7 | 8.3 | 0.2 | 1.4 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-284 | 897.7 | 880.3 | 3.7 | 13.7 | 10.4 | 0.3 | 2.1 | 0.60 | 0.30 | 0 | 0 | 2 |
| 99-M-286 | 810.8 | 783.9 | 9.3 | 17.6 | 13.6 | 0.3 | 2.4 | 0.90 | 0.40 | 0 | 0 | 1 |
| 99-M-287 | 577.3 | 561.3 | 4.1 | 11.9 | 9.7 | 0.3 | 1.5 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-288 | 479.7 | 463.6 | 4.3 | 11.8 | 9.7 | 0.1 | 1.7 | 0.20 | 0.10 | 0 | 0 | 1 |
| 99-M-289 | 569.0 | 544.5 | 6.3 | 18.2 | 15.5 | 0.2 | 2.0 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-290 | 371.3 | 358.0 | 3.3 | 10.0 | 8.0 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-291 | 531.3 | 515.2 | 4.0 | 12.1 | 10.1 | 0.2 | 1.3 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-292 | 670.4 | 632.0 | 10.4 | 28.0 | 22.1 | 1.0 | 3.9 | 0.80 | 0.20 | 0 | 0 | 1 |
| 99-M-293 | 570.3 | 539.1 | 8.2 | 23.0 | 19.1 | 0.7 | 2.5 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-294 | 588.0 | 566.9 | 6.7 | 14.4 | 9.3 | 0.7 | 3.3 | 0.80 | 0.30 | 0 | 0 | 1 |
| 99-M-295 | 1272.9 | 1240.8 | 9.6 | 22.5 | 13.3 | 1.3 | 6.9 | 0.70 | 0.30 | 0 | 0 | 4 |
| 99-M-296 | 567.3 | 542.5 | 6.8 | 18.0 | 14.6 | 0.7 | 2.2 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-297 | 517.2 | 499.5 | 4.6 | 13.1 | 10.9 | 0.6 | 1.3 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-298 | 704.4 | 675.4 | 7.7 | 21.3 | 17.5 | 0.8 | 2.4 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-300 | 518.2 | 498.0 | 5.3 | 14.9 | 13.2 | 0.4 | 1.1 | 0.20 | 0.04 | 0 | 0 | 0 |
| 99-M-301 | 423.3 | 385.0 | 9.2 | 29.1 | 26.8 | 0.9 | 1.3 | 0.10 | 0.05 | 0 | 0 | 0 |
| 99-M-302 | 536.9 | 511.0 | 4.9 | 21.0 | 17.9 | 0.6 | 2.0 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-303 | 553.4 | 540.3 | 3.9 | 9.2 | 7.2 | 0.2 | 1.3 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-304 | 636.7 | 617.7 | 5.1 | 13.9 | 11.1 | 0.4 | 1.8 | 0.40 | 0.20 | 0 | 0 | 2 |
| 99-M-305 | 623.8 | 579.2 | 13.0 | 31.6 | 28.0 | 0.5 | 2.6 | 0.40 | 0.06 | 0 | 0 | 0 |
| 99-M-306 | 508.3 | 475.3 | 8.8 | 24.2 | 20.5 | 0.7 | 2.6 | 0.30 | 0.10 | 0 | 0 | 2 |
| 99-M-307 | 1094.2 | 1086.3 | 1.2 | 6.7 | 3.1 | 0.5 | 2.0 | 0.90 | 0.20 | 0 | 0 | 0 |
| 99-M-308 | 681.0 | 647.2 | 11.2 | 22.6 | 18.9 | 0.5 | 2.5 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-309 | 178.5 | 162.3 | 4.7 | 11.5 | 10.7 | 0.2 | 0.5 | 0.10 | 0.05 | 0 | 0 | 0 |
| 99-M-310 | 999.8 | 981.2 | 5.4 | 13.2 | 11.2 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-311 | 447.7 | 430.7 | 4.5 | 12.5 | 9.6 | 0.4 | 1.8 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-312 | 475.0 | 463.3 | 3.5 | 8.2 | 4.8 | 0.4 | 1.9 | 0.70 | 0.40 | 0 | 0 | 0 |
| 99-M-313 | 1013.3 | 1008.1 | 0.8 | 4.4 | 1.2 | 0.2 | 1.9 | 0.70 | 0.40 | 0 | 0 | 0 |
| 99-M-314 | 461.8 | 449.5 | 3.2 | 9.1 | 6.7 | 0.4 | 1.4 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-315 | 412.2 | 407.5 | 1.6 | 3.1 | 1.7 | 0.1 | 0.8 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-316 | 522.2 | 513.1 | 2.8 | 6.3 | 4.2 | 0.4 | 1.2 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-317 | 532.3 | 524.1 | 0.6 | 7.6 | 5.2 | 0.2 | 1.5 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-319 | 459.2 | 447.9 | 3.1 | 8.2 | 6.1 | 0.2 | 1.3 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-320 | 475.9 | 461.9 | 3.6 | 10.4 | 7.7 | 0.5 | 1.4 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-324 | 382.1 | 372.3 | 2.5 | 7.3 | 5.3 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-326 | 416.8 | 401.8 | 3.6 | 11.4 | 8.5 | 0.2 | 1.8 | 0.60 | 0.30 | 0 | 0 | 1 |
| 99-M-327 | 517.7 | 501.2 | 3.8 | 12.7 | 9.2 | 0.3 | 2.2 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-329 | 498.6 | 478.1 | 5.3 | 15.2 | 11.9 | 0.4 | 1.9 | 0.70 | 0.30 | 0 | 0 | 2 |
| 99-M-330 | 446.0 | 433.1 | 2.8 | 10.1 | 7.1 | 0.4 | 1.6 | 0.60 | 0.40 | 0 | 0 | 0 |
| 99-M-331 | 494.4 | 479.6 | 3.3 | 11.5 | 8.4 | 0.6 | 1.7 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-332 | 414.6 | 398.2 | 3.4 | 13.0 | 10.0 | 0.5 | 1.6 | 0.60 | 0.30 | 0 | 0 | 1 |
| 99-M-334 | 544.4 | 525.6 | 4.8 | 14.0 | 9.6 | 0.5 | 2.3 | 0.90 | 0.70 | 0 | 0 | 0 |
| 99-M-335 | 784.9 | 745.0 | 11.4 | 28.5 | 21.8 | 1.1 | 4.0 | 1.00 | 0.60 | 0 | 0 | 1 |
| 99-M-338 | 411.9 | 395.2 | 3.7 | 13.0 | 7.6 | 0.3 | 2.5 | 1.80 | 0.80 | 0 | 0 | 1 |
| 99-M-339 | 518.1 | 507.4 | 2.9 | 7.8 | 4.6 | 0.2 | 1.5 | 0.70 | 0.80 | 0 | 0 | 0 |
| 99-M-341 | 719.9 | 705.7 | 3.4 | 10.8 | 7.1 | 0.4 | 2.0 | 0.80 | 0.50 | 0 | 0 | 0 |
| 99-M-342 | 496.0 | 443.9 | 32.1 | 20.0 | 11.4 | 1.0 | 2.9 | 2.00 | 2.70 | 0 | 0 | 0 |
| 99-M-343 | 1053.1 | 1024.8 | 8.7 | 19.6 | 13.2 | 0.7 | 3.5 | 1.30 | 0.90 | 0 | 0 | 0 |
| 99-M-344 | 459.7 | 447.5 | 3.9 | 8.3 | 6.0 | 0.1 | 1.2 | 0.50 | 0.50 | 0 | 0 | 0 |

| Sample Site | Table Concentrate <2.0 mm (grams) M.I. Separation S.G 3.20 Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-345 | 432.5 | 420.0 | 3.5 | 9.0 | 6.8 | 0.3 | 1.3 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-346 | 420.5 | 404.8 | 2.7 | 13.0 | 7.9 | 1.2 | 2.4 | 1.10 | 0.40 | 0 | 0 | 0 |
| 99-M-347 | 636.6 | 622.3 | 4.5 | 9.8 | 6.6 | 0.5 | 1.9 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-349 | 646.6 | 627.8 | 6.0 | 12.8 | 8.8 | 0.8 | 2.3 | 0.60 | 0.30 | 0 | 0 | 1 |
| 99-M-350 | 683.1 | 661.4 | 5.4 | 16.3 | 11.9 | 0.6 | 2.6 | 0.80 | 0.40 | 0 | 0 | 0 |
| 99-M-351 | 394.3 | 388.9 | 2.0 | 3.4 | 2.5 | 0.1 | 0.6 | 0.20 | 0.04 | 0 | 0 | 0 |

**KIM COUNT (* species not rigorously picked; excluded from total)**

| Sample | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 4 |
| 99-M-12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 99-M-36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 99-M-41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 99-M-44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

**KIM COUNT (* species not rigorously picked; excluded from total)**

| Sample | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 4 | 0 | 8 |
| 99-M-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 99-M-67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 99-M-75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 99-M-90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| 99-M-101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 20(75) | 0 | 80 |
| 99-M-105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 4 |
| 99-M-113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

**KIM COUNT (* species not rigorously picked; excluded from total)**

| Sample Site | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | Total KIMs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | |
| 99-M-114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| 99-M-118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 99-M-126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| 99-M-127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 6 |
| 99-M-135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 99-M-139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 | 0 | 9 |
| 99-M-140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-142 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-146 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| 99-M-150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 99-M-202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-205 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 99-M-214 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-217 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-219 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

**KIM COUNT (* species not rigorously picked; excluded from total)**

| Sample | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-223 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-224 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-226 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-229 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-234 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| 99-M-236 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-238 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-239 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-241 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-242 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-245 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-246 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 4 |
| 99-M-253 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 |
| 99-M-257 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 99-M-259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 4 |
| 99-M-262 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-264 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-267 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-271 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-272 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-273 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-274 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-276 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-277 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-279 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**KIM COUNT (* species not rigorously picked; excluded from total)**

| Sample | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-286 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-287 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-288 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-289 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-292 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-294 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 |
| 99-M-295 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-297 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-298 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-301 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-303 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-304 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 |
| 99-M-305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 99-M-307 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-308 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 99-M-309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-311 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 99-M-313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-314 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-317 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-319 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| 99-M-320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-327 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-329 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-330 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-331 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-332 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-334 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-338 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-339 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-342 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99-M-344 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**KIM COUNT (* species not rigorously picked; excluded from total)**

| Sample Site | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-346 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-349 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-351 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

## Appendix KO-3

# Kimberlite Indicator Minerals - Remarks

| Process Order | Sample Site | Remarks |
|---|---|---|
| 1 | 99-M-2 | No KIM remarks. |
| 2 | 99-M-3 | No KIM remarks. |
| 3 | 99-M-4 | No KIM remarks. |
| 4 | 99-M-5 | No KIM remarks. |
| 5 | 99-M-7 | No KIM remarks. |
| 6 | 99-M-8 | No KIM remarks. |
| 7 | 99-M-9 | No KIM remarks. |
| 8 | 99-M-10 | No KIM remarks. |
| 9 | 99-M-11 | SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite. |
| 10 | 99-M-12 | No KIM remarks. |
| 11 | 99-M-13 | No KIM remarks. |
| 12 | 99-M-14 | No KIM remarks. |
| 13 | 99-M-15 | SEM checks from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM). |
| 14 | 99-M-16 | No KIM remarks. |
| 15 | 99-M-17 | SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 IM and 1 crustal ilmenite. |
| 16 | 99-M-18 | No KIM remarks. |
| 17 | 99-M-19 | No KIM remarks. |
| 18 | 99-M-21 | No KIM remarks. |
| 19 | 99-M-25 | No KIM remarks. |
| 20 | 99-M-26 | No KIM remarks. |
| 21 | 99-M-27 | No KIM remarks. |
| 22 | 99-M-28 | SEM checks from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 CR; and I IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 23 | 99-M-29 | SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 24 | 99-M-30 | SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 25 | 99-M-31 | No KIM remarks. |
| 26 | 99-M-32 | No KIM remarks. |
| 27 | 99-M-33 | No KIM remarks. |
| 28 | 99-M-34 | No KIM remarks. |
| 29 | 99-M-35 | SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 30 | 99-M-36 | SEM check from 0.5-1.0 mm fraction: 1 forsterite versus diopside candidate = 1 corundum (picked as MMSIM). |
| 31 | 99-M-39 | SEM checks from 0.25-0.5 mm fraction: 2 GO versus almandine candidates = 2 almandine; and 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite. |
| 32 | 99-M-40 | No KIM remarks. |
| 33 | 99-M-41 | No KIM remarks. |
| 34 | 99-M-42 | SEM check from 0.25-0.5 mm fraction: 1 pale purple GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM). |
| 35 | 99-M-43 | No KIM remarks. |
| 36 | 99-M-44 | No KIM remarks. |
| 37 | 99-M-45 | SEM check from 0.5-1.0 mm fraction: 1 forsterite versus epidote candidate = 1 Al2Si (possibly topaz). |
| 38 | 99-M-46 | SEM check from 0.25-0.5 mm fraction: 1 pale yellow forsterite versus diopside candidate = 1 epidote. |
| 39 | 99-M-47 | SEM checks from 0.25-0.5 mm fraction: 3 CR candidates = 2 CR and 1 crustal ilmenite. |
| 40 | 99-M-48 | SEM check from 0.5-1.0 mm fraction: 1 pale yellow forsterite versus epidote candidate = 1 forsterite. SEM check from 0.25-0.5 mm fraction: 1 pale green forsterite versus diopside candidate = 1 diopside. |
| 41 | 99-M-49 | No KIM remarks. |
| 42 | 99-M-50 | No KIM remarks. |
| 43 | 99-M-51 | SEM checks from 0.5-1.0 mm fraction: 2 IM versus crustal ilmenite candidates = 2 IM. |
| 44 | 99-M-52 | No KIM remarks. |

| Process Order | Sample Site | Remarks |
|---|---|---|
| 45 | 99-M-53 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR (~5 wt% ZnO). |
| 46 | 99-M-54 | No KIM remarks. |
| 47 | 99-M-55 | No KIM remarks. |
| 48 | 99-M-56 | No KIM remarks. |
| 49 | 99-M-57 | No KIM remarks. |
| 50 | 99-M-59 | No KIM remarks. |
| 51 | 99-M-63 | SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 forsterite olivine. |
| 52 | 99-M-64 | No KIM remarks. |
| 53 | 99-M-65 | No KIM remarks. |
| 54 | 99-M-66 | SEM check from 0.25-0.5 mm fraction: 1 rounded GP versus ruby corundum candidate = 1 almandine. |
| 55 | 99-M-67 | No KIM remarks. |
| 56 | 99-M-68 | No KIM remarks. |
| 57 | 99-M-69 | No KIM remarks. |
| 58 | 99-M-70 | No KIM remarks. |
| 59 | 99-M-71 | SEM check from 0.5-1.0 mm fraction: 1 GO versus almandine candidate = 1 GO (Cr-poor megacryst). SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR. |
| 60 | 99-M-73 | No KIM remarks. |
| 61 | 99-M-74 | No KIM remarks. |
| 62 | 99-M-75 | No KIM remarks. |
| 63 | 99-M-76 | No KIM remarks. |
| 64 | 99-M-77 | No KIM remarks. |
| 65 | 99-M-78 | No KIM remarks. |
| 66 | 99-M-79 | No KIM remarks. |
| 67 | 99-M-80 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. |
| 68 | 99-M-81 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 69 | 99-M-82 | No KIM remarks. |
| 70 | 99-M-83 | SEM checks from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM; and 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 71 | 99-M-84 | No KIM remarks. |
| 72 | 99-M-85 | No KIM remarks. |
| 73 | 99-M-86 | No KIM remarks. |
| 74 | 99-M-87 | SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 epidote. |
| 75 | 99-M-89 | No KIM remarks. |
| 76 | 99-M-90 | No KIM remarks. |
| 77 | 99-M-91 | No KIM remarks. |
| 78 | 99-M-93 | No KIM remarks. |
| 79 | 99-M-94 | No KIM remarks. |
| 80 | 99-M-95 | No KIM remarks. |
| 81 | 99-M-97 | No KIM remarks. |
| 82 | 99-M-98 | SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 forsterite olivine. SEM checks from 0.25-0.5 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite. |
| 83 | 99-M-100 | SEM check from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 84 | 99-M-101 | SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 epidote. |
| 85 | 99-M-102 | No KIM remarks. |
| 86 | 99-M-104 | No KIM remarks. |
| 87 | 99-M-105 | No KIM remarks. |
| 88 | 99-M-106 | SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM. |
| 89 | 99-M-107 | No KIM remarks. |
| 90 | 99-M-108 | SEM check from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |

| Process Order | Sample Site | Remarks |
|---|---|---|
| 91 | 99-M-109 | No KIM remarks. |
| 92 | 99-M-111 | No KIM remarks. |
| 93 | 99-M-112 | SEM checks from 0.5-1.0 mm fraction: 2 forsterite olivine versus epidote candidates = 1 forsterite olivine and 1 epidote. SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 GP. |
| 94 | 99-M-113 | No KIM remarks. |
| 95 | 99-M-114 | No KIM remarks. |
| 96 | 99-M-115 | No KIM remarks. |
| 97 | 99-M-116 | No KIM remarks. |
| 98 | 99-M-118 | SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99 | 99-M-121 | No KIM remarks. |
| 100 | 99-M-123 | No KIM remarks. |
| 101 | 99-M-124 | No KIM remarks. |
| 102 | 99-M-125 | No KIM remarks. |
| 103 | 99-M-126 | No KIM remarks. |
| 104 | 99-M-127 | No KIM remarks. |
| 105 | 99-M-129 | No KIM remarks. |
| 106 | 99-M-131 | No KIM remarks. |
| 107 | 99-M-134 | SEM checks from 0.5-1.0 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite. |
| 108 | 99-M-135 | No KIM remarks. |
| 109 | 99-M-136 | SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM). |
| 110 | 99-M-139 | No KIM remarks. |
| 111 | 99-M-140 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. |
| 112 | 99-M-142 | No KIM remarks. |
| 113 | 99-M-145 | No KIM remarks. |
| 114 | 99-M-146 | SEM check from 1.0-2.0 mm fraction: 1 C |
| 115 | 99-M-147 | No KIM remarks. |
| 116 | 99-M-148 | No KIM remarks. |
| 117 | 99-M-149 | No KIM remarks. |
| 118 | 99-M-150 | No KIM remarks. |
| 119 | 99-M-151 | No KIM remarks. |
| 120 | 99-M-152 | No KIM remarks. |
| 121 | 99-M-154 | No KIM remarks. |
| 122 | 99-M-155 | No KIM remarks. |
| 123 | 99-M-156 | No KIM remarks. |
| 124 | 99-M-157 | No KIM remarks. |
| 125 | 99-M-201 | No KIM remarks. |
| 126 | 99-M-202 | SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM. |
| 127 | 99-M-203 | No KIM remarks. |
| 128 | 99-M-204 | No KIM remarks. |
| 129 | 99-M-205 | No KIM remarks. |
| 130 | 99-M-206 | No KIM remarks. |
| 131 | 99-M-207 | No KIM remarks. |
| 132 | 99-M-208 | No KIM remarks. |
| 133 | 99-M-209 | No KIM remarks. |
| 134 | 99-M-210 | No KIM remarks. |
| 135 | 99-M-211 | No KIM remarks. |
| 136 | 99-M-212 | No KIM remarks. |
| 137 | 99-M-213 | No KIM remarks. |
| 138 | 99-M-214 | No KIM remarks. |
| 139 | 99-M-215 | No KIM remarks. |
| 140 | 99-M-217 | No KIM remarks. |
| 141 | 99-M-218 | No KIM remarks. |

| Process Order | Sample Site | Remarks |
|---|---|---|
| 142 | 99-M-219 | No KIM remarks. |
| 143 | 99-M-220 | No KIM remarks. |
| 144 | 99-M-221 | No KIM remarks. |
| 145 | 99-M-223 | SEM check from 0.5-1.0 mm fraction:  1 CR versus tourmaline candidate = 1 tourmaline. |
| 146 | 99-M-224 | No KIM remarks. |
| 147 | 99-M-225 | No KIM remarks. |
| 148 | 99-M-226 | No KIM remarks. |
| 149 | 99-M-227 | No KIM remarks. |
| 150 | 99-M-228 | No KIM remarks. |
| 151 | 99-M-229 | No KIM remarks. |
| 152 | 99-M-230 | No KIM remarks. |
| 153 | 99-M-233 | No KIM remarks. |
| 154 | 99-M-234 | No KIM remarks. |
| 155 | 99-M-235 | No KIM remarks. |
| 156 | 99-M-236 | No KIM remarks. |
| 157 | 99-M-237 | No KIM remarks. |
| 158 | 99-M-238 | No KIM remarks. |
| 159 | 99-M-239 | No KIM remarks. |
| 160 | 99-M-240 | No KIM remarks. |
| 161 | 99-M-241 | No KIM remarks. |
| 162 | 99-M-242 | No KIM remarks. |
| 163 | 99-M-243 | No KIM remarks. |
| 164 | 99-M-245 | No KIM remarks. |
| 164 | 99-M-245 | No KIM remarks. |
| 165 | 99-M-246 | No KIM remarks. |
| 166 | 99-M-248 | No KIM remarks. |
| 167 | 99-M-249 | No KIM remarks. |
| 168 | 99-M-250 | No KIM remarks. |
| 169 | 99-M-251 | No KIM remarks. |
| 170 | 99-M-252 | SEM check from 0. |
| 171 | 99-M-253 | SEM check from 1.0-2.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 IM.  SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 172 | 99-M-257 | SEM check from 0.5-1.0 mm fraction:  1 CR versus crustal ilmenite candidate = 1 CR. |
| 173 | 99-M-259 | No KIM remarks. |
| 174 | 99-M-260 | No KIM remarks. |
| 175 | 99-M-261 | No KIM remarks. |
| 176 | 99-M-262 | No KIM remarks. |
| 177 | 99-M-263 | No KIM remarks. |
| 178 | 99-M-264 | No KIM remarks. |
| 179 | 99-M-265 | No KIM remarks. |
| 180 | 99-M-266 | No KIM remarks. |
| 181 | 99-M-267 | No KIM remarks. |
| 182 | 99-M-268 | No KIM remarks. |
| 183 | 99-M-269 | No KIM remarks. |
| 184 | 99-M-271 | No KIM remarks. |
| 185 | 99-M-272 | No KIM remarks. |
| 186 | 99-M-273 | No KIM remarks. |
| 187 | 99-M-274 | No KIM remarks. |
| 188 | 99-M-275 | No KIM remarks. |
| 189 | 99-M-276 | No KIM remarks. |
| 190 | 99-M-277 | No KIM remarks. |
| 191 | 99-M-278 | No KIM remarks. |

| Process Order | Sample Site | Remarks |
|---|---|---|
| 192 | 99-M-279 | No KIM remarks. |
| 193 | 99-M-280 | No KIM remarks. |
| 194 | 99-M-281 | No KIM remarks. |
| 195 | 99-M-282 | No KIM remarks. |
| 196 | 99-M-284 | SEM check from 0.5-1.0 mm fraction:  1 CR versus crustal ilmenite candidate = 1 andradite. |
| 197 | 99-M-286 | No KIM remarks. |
| 198 | 99-M-287 | No KIM remarks. |
| 199 | 99-M-288 | SEM check from 0.5-1.0 mm fraction:  1 forsterite olivine versus epidote candidate = 1 forsterite olivine. |
| 200 | 99-M-289 | No KIM remarks. |
| 201 | 99-M-290 | No KIM remarks. |
| 202 | 99-M-291 | No KIM remarks. |
| 203 | 99-M-292 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 IM. |
| 204 | 99-M-293 | No KIM remarks. |
| 205 | 99-M-294 | SEM checks from 0.25-0.5 mm fraction:  3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite. |
| 206 | 99-M-295 | No KIM remarks. |
| 207 | 99-M-296 | No KIM remarks. |
| 208 | 99-M-297 | No KIM remarks. |
| 209 | 99-M-298 | SEM check from 0.25-0.5 mm fraction:  1 forsterite olivine versus diopside candidate = 1 diopside. |
| 210 | 99-M-300 | No KIM remarks. |
| 211 | 99-M-301 | No KIM remarks. |
| 212 | 99-M-302 | No KIM remarks. |
| 213 | 99-M-303 | No KIM remarks. |
| 214 | 99-M-304 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 215 | 99-M-305 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 216 | 99-M-306 | SEM checks from 0.25-0.5 mm fraction:  5 CR versus crustal ilmenite candidates = 1 CR, 3 crustal ilmenite and 1 hornblende. |
| 217 | 99-M-307 | No KIM remarks. |
| 218 | 99-M-308 | SEM checks from 0.25-0.5 mm fraction:  3 CR versus crustal ilmenite candidates = 3 CR. |
| 219 | 99-M-309 | No KIM remarks. |
| 220 | 99-M-310 | No KIM remarks. |
| 221 | 99-M-311 | No KIM remarks. |
| 222 | 99-M-312 | No KIM remarks. |
| 223 | 99-M-313 | No KIM remarks. |
| 224 | 99-M-314 | No KIM remarks. |
| 225 | 99-M-315 | No KIM remarks. |
| 226 | 99-M-316 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 227 | 99-M-317 | SEM check from 0.25-0.5 mm fraction:  1 rounded second-cycle GP versus almandine candidate = 1 GP. |
| 228 | 99-M-319 | Lost one of four IM from 0.25-0.5 mm fraction. |
| 229 | 99-M-320 | No KIM remarks. |
| 230 | 99-M-324 | No KIM remarks. |
| 231 | 99-M-326 | No KIM remarks. |
| 232 | 99-M-327 | SEM check from 0.25-0.5 mm fraction:  1 CR versus IM candidate = 1 CR. |
| 233 | 99-M-329 | No KIM remarks. |
| 234 | 99-M-330 | No KIM remarks. |
| 235 | 99-M-331 | No KIM remarks. |
| 236 | 99-M-332 | No KIM remarks. |
| 237 | 99-M-334 | SEM checks from 0.25-0.5 mm fraction:  2 IM versus CR candidates = 1 CR and 1 crustal ilmenite. |
| 238 | 99-M-335 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 239 | 99-M-338 | No KIM remarks. |
| 240 | 99-M-339 | No KIM remarks. |
| 241 | 99-M-341 | No KIM remarks. |
| 242 | 99-M-342 | No KIM remarks. |
| 243 | 99-M-343 | SEM check from 0.25-0.5 mm fraction:  1 GO versus almandine candidate = 1 GO (pyrope-almandine). |

| Process Order | Sample Site | Remarks |
|---|---|---|
| 244 | 99-M-344 | No KIM remarks. |
| 245 | 99-M-345 | No KIM remarks. |
| 246 | 99-M-346 | No KIM remarks. |
| 247 | 99-M-347 | SEM check from 0.5-1.0 mm fraction:  1 IM versus CR candidate = 1 CR. |
| 248 | 99-M-349 | No KIM remarks. |
| 249 | 99-M-350 | No KIM remarks. |
| 250 | 99-M-351 | No KIM remarks. |

Appendix KO-4: Percentile Bubble Plots For Kimberlite Indicator Minerals.

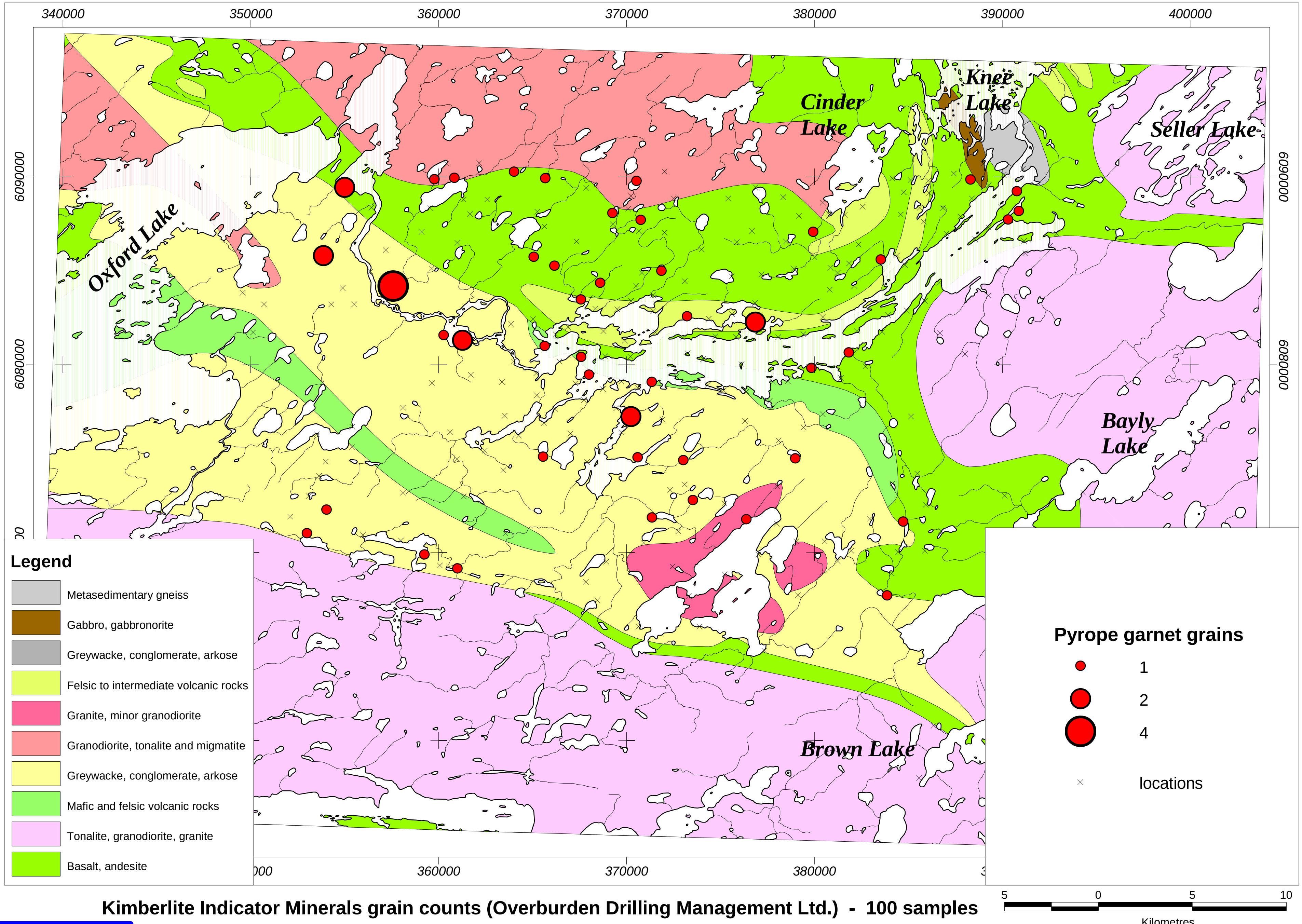
**Pyrope Garnet**

**Chrome Diopside**

**Chromite**

**Total K. I. M.**

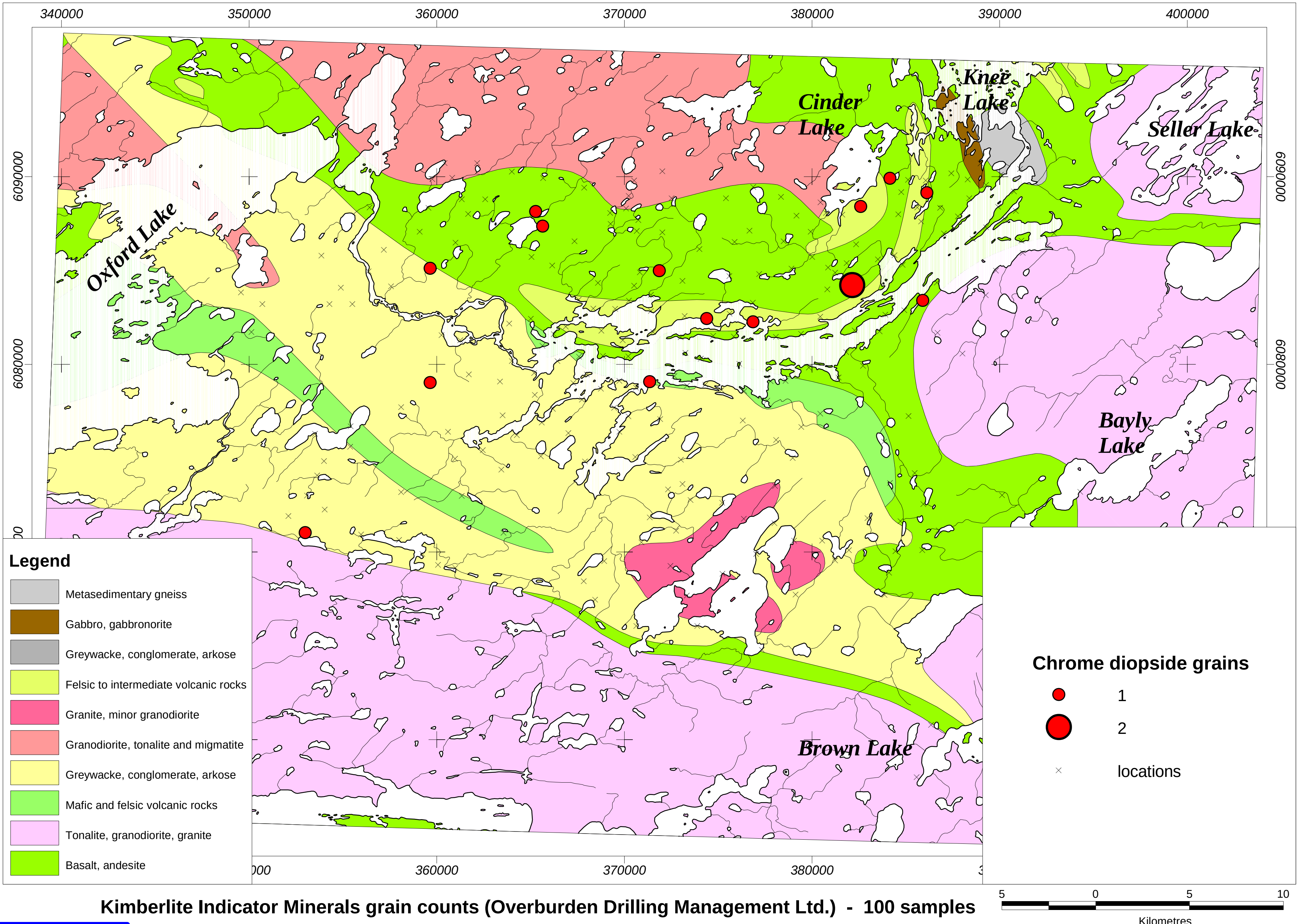
**CONTENTS**




**Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples**

MENU

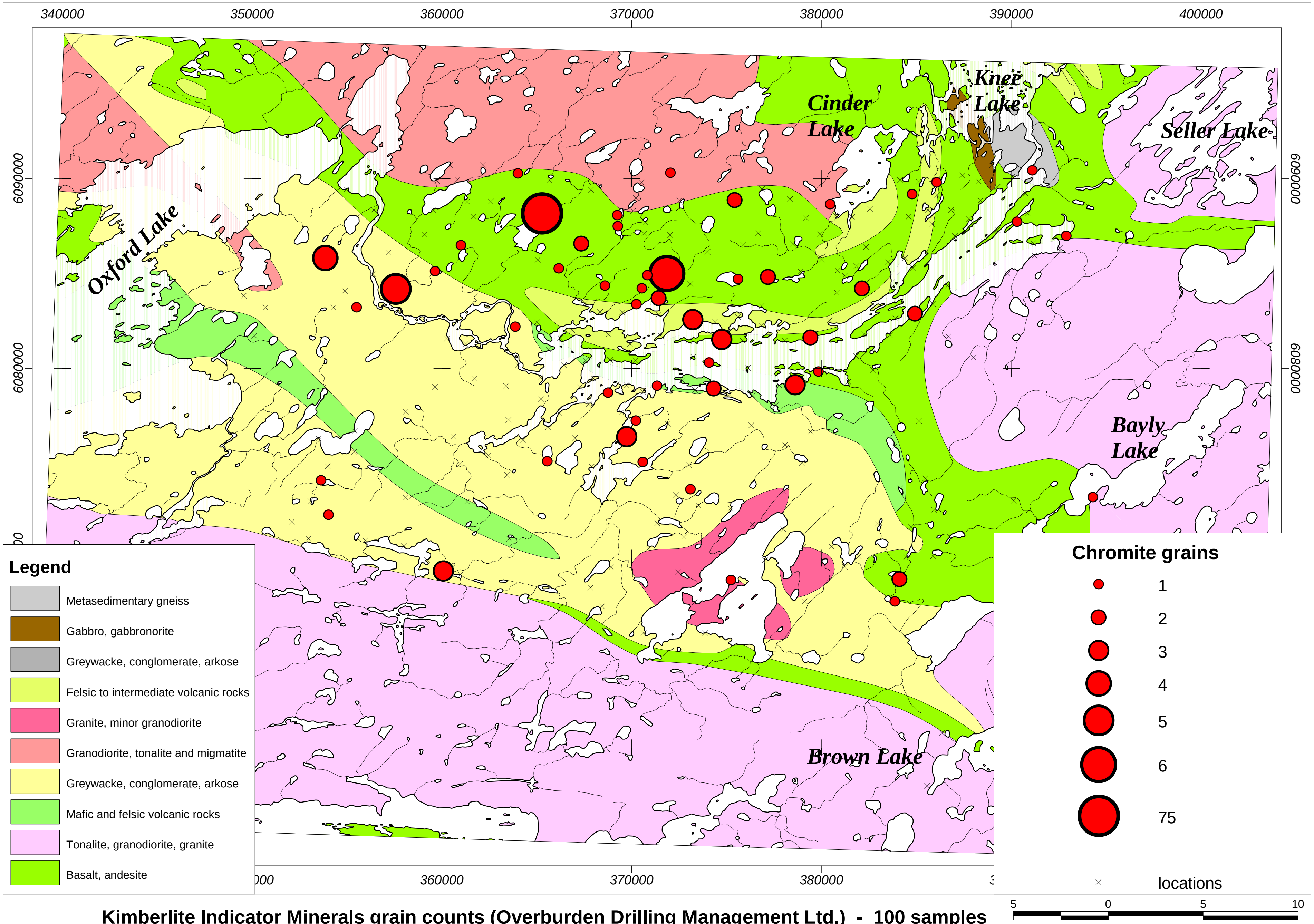
Appendix KO-4-1




**Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples**

MENU

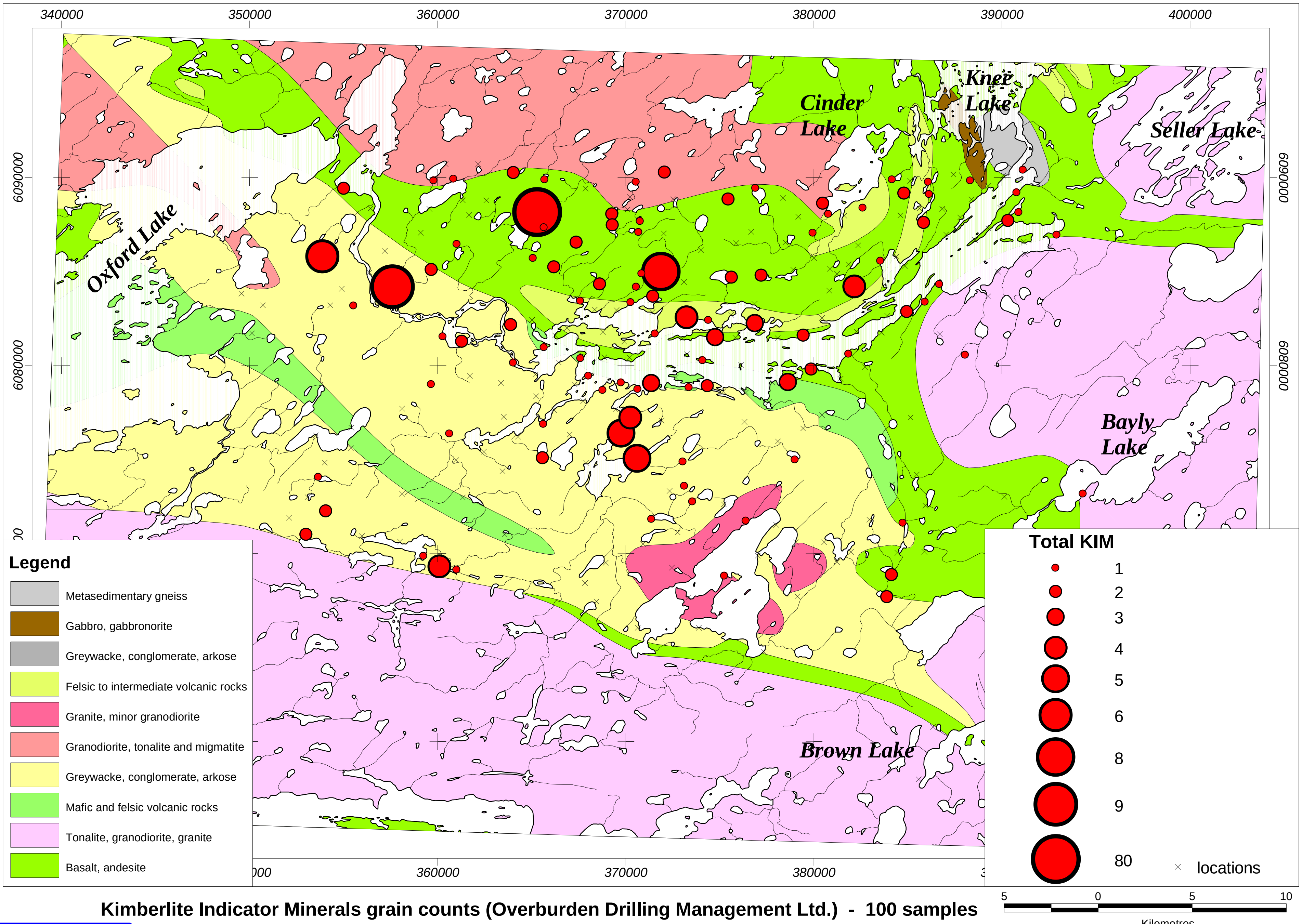
Appendix KO-4-2




**Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples**

MENU

Appendix KO-4-3

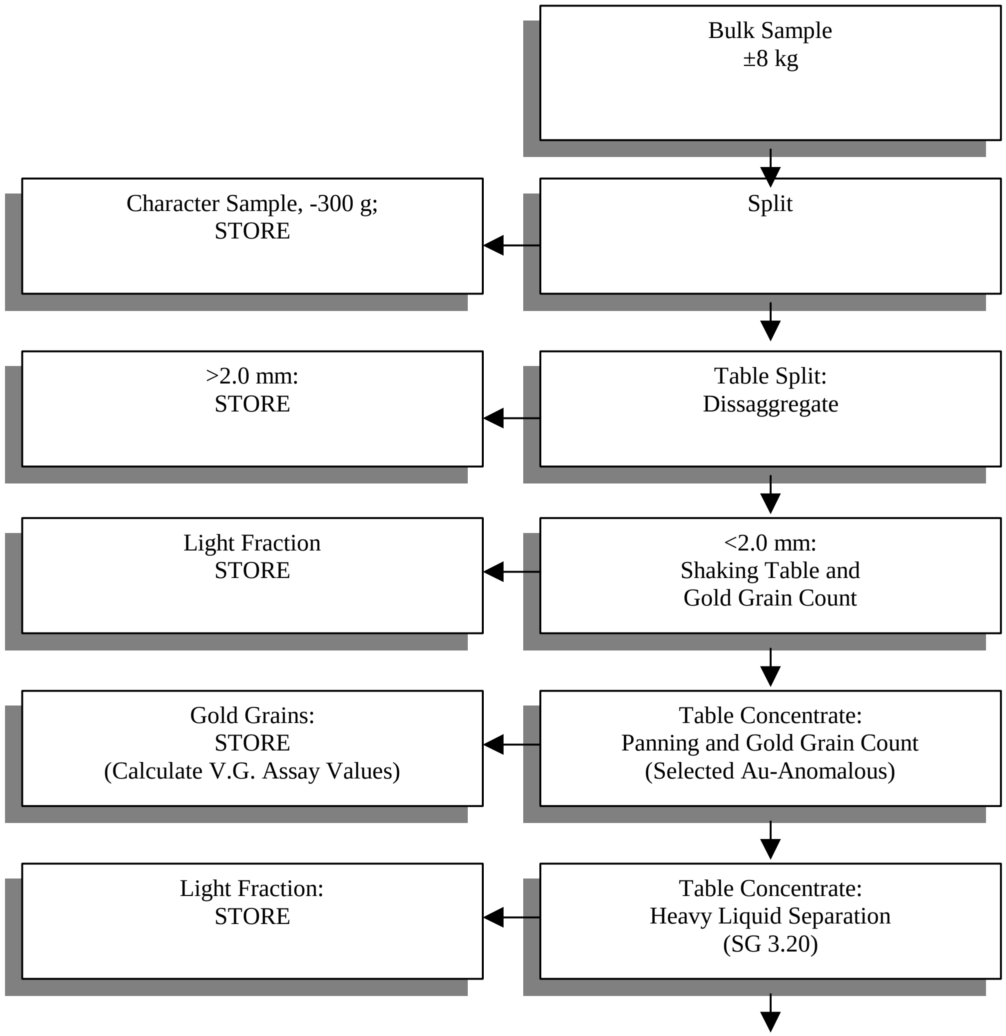



**Kimberlite Indicator Minerals grain counts (Overburden Drilling Management Ltd.) - 100 samples**

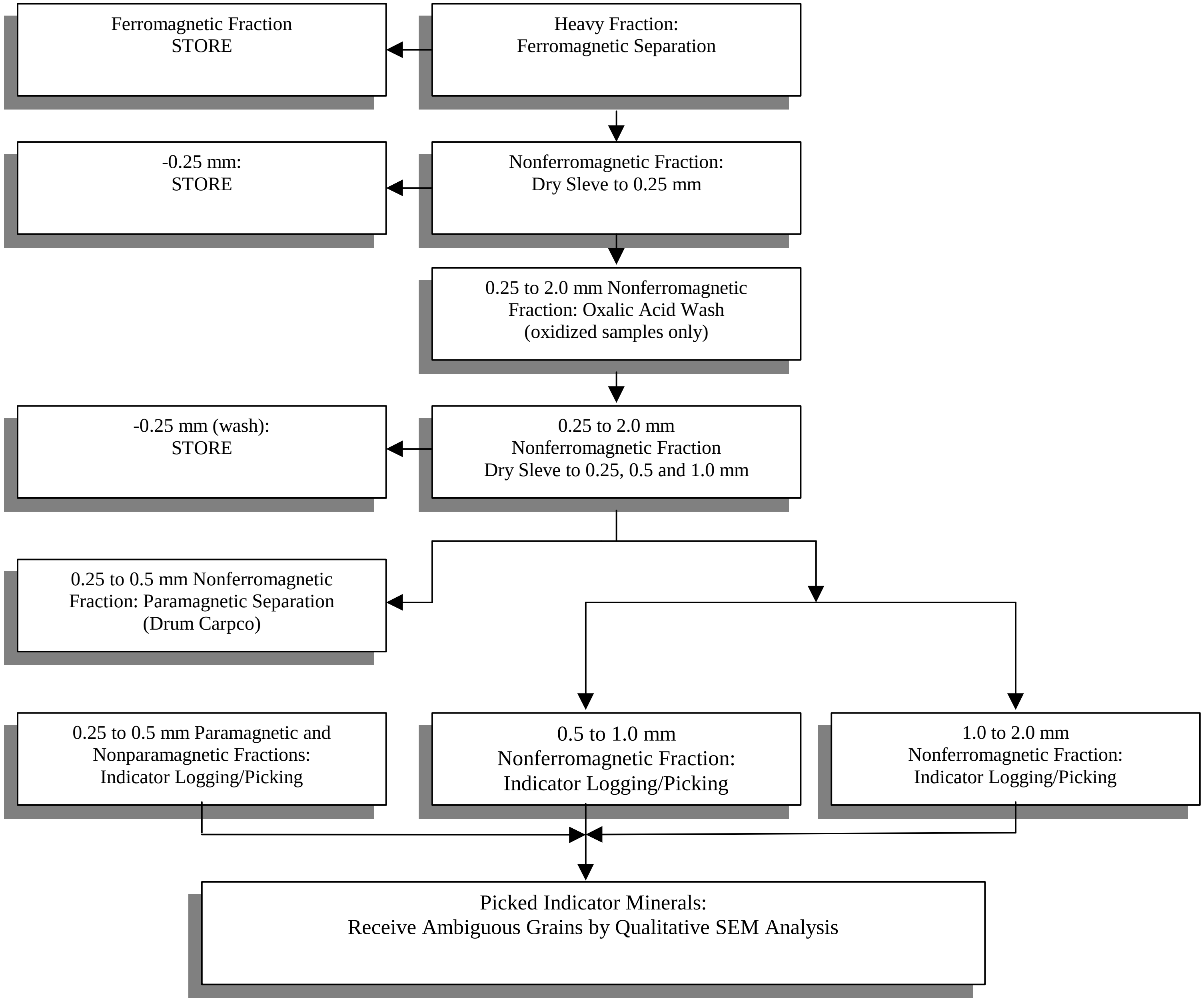
MENU

Appendix KO-4-4

**Overburden Drilling Management Limited**




**Standard Bulk Sample Heavy Mineral Processing Flow Sheet for MMSIMs  Visible Gold**




**Standard Bulk Sample Heavy Mineral Processing Flow Sheet for MMSIMs Visible Gold**

## METAMORPHOSED MASSIVE SULPHIDE AND MAGMATIC SULPHIDE INDICATOR MINERAL SURVEY (OVERBURDEN DRILLING MANAGEMENT LTD.)

### Results

Overall grain abundances recovered from the 1999 survey samples are low with the most abundant mineral observed being pyrite. Distinctive glacial dispersion trains are not observed in the data, however, sulphide mineral abundances appear to correlate to some of the known mineral occurrences in this part of the Knee Lake Belt. Relevant data from the MMSIM survey is presented in Appendix M-5 (Descriptions of MMSIMs) and percentile bubble plots in Appendix M-6.

#### Kyanite

Kyanite grain abundances vary from trace (0.1 weight %) to 7 weight % across the survey area but are distributed in an erratic manner. Dispersal trains are not recognized although two 98$^{th}$ percentile responses at sites 21 and 33 could be reflecting the presence of massive sulphide-type mineralization hosted by felsic volcanic rocks east of Cinder Lake. A single 100$^{th}$ percentile occurs at site 305 and a cluster of 98$^{th}$ percentiles occurs along the southern shore of Knee Lake. The western portion of the survey area is marked by widely separated and apparently unrelated 98$^{th}$ and 100$^{th}$ percentile responses.

#### Staurolite

The distribution of staurolite grains in the 1999 survey samples bears little resemblance to the results for kyanite and grain abundances are low with a range of trace (0.1 weight %) to 2.5 weight % (100$^{th}$ percentile). A cluster of very low grain abundances occurs over the location of massive sulphide mineralization east of Cinder Lake but is interpreted to be non-diagnostic. There are three 100$^{th}$ percentile responses in the survey area at sites 74 (west end of Knee Lake), 142 (south of the Hayes River and west of Knee Lake) and 83 (north of the northern margin of the belt and west of Cinder Lake).

#### Chromite

Chromite grain abundances are low across the survey area. The 100$^{th}$ percentiles occur at sites 63 (dark green, medium grained gabbro), 139 (no outcrop) and 104 (light green, silicified and rusty weathering basalt with 5% pyrite). Site 104 has been identified previously as anomalous with regards to chrome spinel content and this suggests the possibility of localized bedrock signatures in these data.

#### Orthopyroxene

Orthopyroxene abundances in this year's samples range from trace (0.1 weight %) to 12 weight % (100$^{th}$ percentile) and appear to be highest in the west end of the survey area. The western portion of the survey area is characterized by one 100$^{th}$ percentile response (site 140; no outcrop) and three 99$^{th}$ percentiles (sites 135, 136 and 142, all in areas of no outcrop). In as much as orthopyroxene is used as an indicator of magmatic Ni-Cu deposits these areas of relatively high abundances reflecting elevated Mg (orthopyroxene = $(Mg, Fe)_2Si_2O_6$) should be reconnoitered by ground follow-up utilizing geological mapping, geophysics and prospecting. The possibility remains that these somewhat elevated signatures have a locally derived mineralogical component.

#### Chalcopyrite

Chalcopyrite grain abundances are very low in this year's samples from the southern half of the Knee Lake greenstone belt. Three widely scattered 100$^{th}$ percentile responses are documented from sites 104 (light green, silicified and rusty weathering basalt with 5% pyrite), 235 (southern margin of the belt) and 350 (near the eastern extremity of the Magill Lake intrusion). Site 104 has been previously identified for its anomalous chrome spinel signature. Two low chalcopyrite grain abundances are noted at sites 16 and 18 over a unit of felsic volcanic rocks that hosts massive sulphide-type mineralization characterized by low base metal contents. These signatures are considered to be non-diagnostic.

### Pyrite

Pyrite is the most abundant MMSIM documented in 1999 survey samples. The 100$^{th}$ percentile responses (>90 grains) are documented from site 100 near the northern margin of the belt (no outcrop), site 221 (west of the west end of Knee Lake along the Hayes River, and site 259 south of the west end of Knee Lake. The western end of Knee Lake is marked by 98$^{th}$ and 99$^{th}$ percentile responses at sites 250 and 209, respectively. A 99$^{th}$ percentile occurs near the southern margin of the belt at site 264. There is no indication of the massive sulphide-type mineralization that occurs east of Cinder Lake in the pyrite data. A cluster of 90$^{th}$ percentile responses occurs along the Southern Knee Lake Shear Zone (SKSZ) and on the northern shore of west Knee Lake. There is no correlation between sites with anomalous pyrite grains and gold grains.

### Discussion

The abundances of MMSIMs identified in till samples are uniformly low with the exception of pyrite where 100$^{th}$ percentiles of >90 grains are documented at several sites. Since pyrite can be considered a more or less ubiquitous mineral in volcanosedimentary belts abundant pyrite in tills is not necessarily an important indicator of proximity to potentially economically significant mineralization. Many studies reported in the literature note the ability of pyrite to contain elevated base and precious metal contents particularly when the pyrite is associated with base and precious metal deposits. As a follow-up to the pyrite grain abundance studies a program of analysis of pyrite concentrates should be undertaken.

The very low abundances of MMSIMs in this study re-iterates the problem of dilution of till mineralogical and geochemical signatures by Hudson Bay Lowland carbonate. This limitation on till surveys has been evident since the inception of Operation Superior. Tills in the Operation Superior survey area typically contain 40-50% carbonate and accordingly any mineralogical or geochemical indication of significant mineralization or unique lithologies (kimberlite) is likely to be subdued. Till geochemistry as applied in Operation Superior with documented geochemical dispersion fans from this year’s study (see Till Geochemical Survey) appears to be a more useful guide to base metal mineralization.

A fundamental geological reason for low abundances of MMSIM aluminosilicate alteration minerals in the Knee Lake survey area is the metamorphic grade of the belt. The Hayes River Group and the ‘volcanic’ subgroup of the Oxford Lake Group are characterized by lower to middle greenschist facies metamorphic mineral assemblages and as such are not considered ‘high grade’ metamorphic rocks. The corollary is that alteration zones accompanying massive sulphide-type deposits in the Knee Lake area will not be characterized by MMSIM mineralogical assemblages that include kyanite, staurolite and sillimanite.

## Appendix M-5

# Metamorphosed Massive Sulphide and Magmatic Sulphide Minerals

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 1 | 99-M-2 | 379928.11 | 6087059.58 | 0.5 | 0 | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 2 | 99-M-3 | 380864.52 | 6085155.70 | 3.0 | 0 | Tr (2 gr) | 0 | 0 |
| 3 | 99-M-4 | 385575.87 | 6057998.38 | 1.0 | Tr | 0 | 1 blue-green gahnite | 0 |
| 4 | 99-M-5 | 386340.97 | 6060776.00 | 2.0 | 0 | 0 | 0 | 0 |
| 5 | 99-M-7 | 380012.55 | 6085720.22 | 5.0 | 0 | Tr (1 gr) | 0 | Tr Mn-epidote (1 gr) |
| 6 | 99-M-8 | 381843.70 | 6085393.08 | 2.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 7 | 99-M-9 | 381226.37 | 6084881.63 | 1.0 | Tr | 0 | 0 | Tr low-Cr diopside (2 gr) |
| 8 | 99-M-10 | 380814.98 | 6083990.92 | 4.0 | 0 | 0 | 0 | 0 |
| 9 | 99-M-11 | 382124.73 | 6084199.82 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 10 | 99-M-12 | 384139.45 | 6089907.45 | 3.0 | 0 | 0 | 0 | 0 |
| 11 | 99-M-13 | 385120.09 | 6089836.36 | 3.0 | 0 | Tr (1 gr) | 1 blue | Tr low-Cr diopside (1 gr) |
| 12 | 99-M-14 | 386060.67 | 6089790.62 | 3.0 | Tr | Tr (1 gr) | 1 blue-green gahnite, 1 pink spinel | 0 |
| 13 | 99-M-15 | 385609.68 | 6088356.80 | 2.0 | Tr | 0 | 2 pale blue-green | Tr Mn-epidote (1 gr), Tr ruby corundum (1 gr) |
| 14 | 99-M-16 | 386107.09 | 6089134.20 | 1.0 | 0 | 0 | 2 blue | Tr sapphirine (5 gr) |
| 15 | 99-M-17 | 386831.55 | 6088342.61 | 4.0 | 0 | 0 | 0 | Tr sapphirine (1 gr) |
| 16 | 99-M-18 | 384402.98 | 6085799.86 | 4.0 | 0 | Tr (2 gr) | 1 grey | 0 |
| 17 | 99-M-19 | 383518.94 | 6085591.65 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 18 | 99-M-21 | 384823.47 | 6085301.09 | 7.0 | Tr | 0 | 1 dark blue | 0 |
| 19 | 99-M-25 | 390069.10 | 6090107.94 | 2.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 20 | 99-M-26 | 389273.35 | 6089551.83 | 1.0 | 0 | Tr (1 gr) | 0 | 0 |
| 21 | 99-M-27 | 388381.58 | 6088845.50 | 3.0 | 0 | 0 | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr) |
| 22 | 99-M-28 | 391096.14 | 6090415.34 | 2.0 | 0 | 0 | 3 colourless, 1 pink | 0 |
| 23 | 99-M-29 | 390765.20 | 6089215.18 | 0.5 | 0 | 0 | 0 | 0 |
| 24 | 99-M-30 | 389922.08 | 6088381.30 | 2.0 | 0 | 0 | 0 | Tr Mn-epidote (2 gr), Tr leucosapphire corundum (1 gr) |
| 25 | 99-M-31 | 387776.64 | 6087871.04 | 1.0 | Tr | 0 | 0 | 0 |
| 26 | 99-M-32 | 389281.25 | 6087309.72 | 4.0 | 0 | 0 | 0 | 0 |
| 27 | 99-M-33 | 387035.08 | 6086978.20 | 7.0 | 0 | 0 | 1 blue-green gahnite | 0 |
| 28 | 99-M-34 | 388567.46 | 6086677.37 | 5.0 | 0 | 0 | 0 | Tr andalusite (1 gr) |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 29 | 99-M-35 | 390865.79 | 6088176.15 | 4.0 | 0 | 0 | 0 | 0 |
| 30 | 99-M-36 | 390299.61 | 6087715.51 | 4.0 | Tr | 0 | 0 | 0 |
| 31 | 99-M-39 | 392898.97 | 6086971.53 | 3.0 | 0 | 0 | 1 pale blue | 0 |
| 32 | 99-M-40 | 392559.91 | 6086340.04 | 3.0 | 0 | 0 | 0 | 0 |
| 33 | 99-M-41 | 391167.56 | 6086589.75 | 3.0 | Tr | 0 | 0 | 0 |
| 34 | 99-M-42 | 391238.39 | 6085940.29 | 4.0 | 0 | 0 | 0 | Tr ruby corundum (1 gr) |
| 35 | 99-M-43 | 389804.68 | 6084999.49 | 3.0 | 0 | Tr (1 gr) | 2 blue, purple | 0 |
| 36 | 99-M-44 | 389261.00 | 6083667.72 | 3.0 | 0 | 0 | 2 colourless | 0 |
| 37 | 99-M-45 | 386653.33 | 6084343.11 | 4.0 | 0 | 0 | 1 pale blue | 0 |
| 38 | 99-M-46 | 385883.41 | 6083393.71 | 4.0 | 0 | 0 | 1 pale blue | 0 |
| 39 | 99-M-47 | 384919.22 | 6082875.51 | 3.0 | 0 | Tr (1 gr) | 1 colourless | 0 |
| 40 | 99-M-48 | 383904.64 | 6082648.05 | 2.0 | 0 | 0 | 1 purple | 0 |
| 41 | 99-M-49 | 388981.01 | 6090705.90 | 3.0 | 0 | 0 | 0 | 0 |
| 42 | 99-M-50 | 387427.39 | 6090166.15 | 2.0 | 0 | Tr (2 gr) | 1 grey | 0 |
| 43 | 99-M-51 | 385816.88 | 6087616.81 | 2.0 | 0 | 0 | 2 pale blue | 0 |
| 44 | 99-M-52 | 382575.20 | 6088407.01 | 1.0 | Tr | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 45 | 99-M-53 | 381611.17 | 6087984.39 | 2.0 | 0 | Tr (1 gr) | 1 colourless | Tr low-Cr diopside (1 gr) |
| 46 | 99-M-54 | 380446.70 | 6088630.40 | 1.0 | 0 | 0 | 0 | 0 |
| 47 | 99-M-55 | 384763.43 | 6089168.41 | 3.0 | 0 | Tr (2 gr) | 1 pale blue | 0 |
| 48 | 99-M-56 | 384593.57 | 6087985.36 | 2.0 | 0 | Tr (3 gr) | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr) |
| 49 | 99-M-57 | 380747.02 | 6088073.86 | 4.0 | 0 | Tr (1 gr) | 1 blue-green gahnite, 1 grey spinel | Tr low-Cr diopside (1 gr) |
| 50 | 99-M-59 | 376870.52 | 6089445.37 | 2.0 | 0 | 0 | 1 pale pink | Tr low-Cr diopside (1 gr) |
| 51 | 99-M-63 | 371851.38 | 6084985.15 | 2.0 | 0 | Tr (5 gr) | 0 | Tr ruby corundum (1 gr) |
| 52 | 99-M-64 | 370818.75 | 6084894.62 | 1.0 | 0 | 0 | 0 | Tr sapphire corundum (1 gr) |
| 53 | 99-M-65 | 371421.23 | 6083690.52 | Tr | 0 | Tr (2 gr) | 1 green gahnite | Tr low-Cr diopside (1 gr) |
| 54 | 99-M-66 | 370239.75 | 6083375.40 | 1.0 | 0 | 0 | 2 pale pink, pale grey | Tr low-Cr diopside (2 gr) |
| 55 | 99-M-67 | 369512.90 | 6082951.85 | 2.0 | 0 | Tr (1 gr) | 0 | 0 |
| 56 | 99-M-68 | 378482.32 | 6086547.36 | 2.0 | 0 | Tr (2 gr) | 0 | 0 |
| 57 | 99-M-69 | 378901.57 | 6085104.21 | 1.0 | 0 | 0 | 1 grey-blue | 0 |
| 58 | 99-M-70 | 377176.25 | 6084802.55 | Tr | 0 | Tr (2 gr) | 0 | 0 |
| 59 | 99-M-71 | 375594.28 | 6084702.04 | 2.0 | 0 | Tr (4 gr) | 1 green gahnite | 0 |
| 60 | 99-M-73 | 370656.16 | 6087109.32 | 2.0 | 0 | Tr (3 gr) | 1 green gahnite, 2 pale blue, colourless spinel | Tr low-Cr diopside (1 gr) |
| 61 | 99-M-74 | 368347.58 | 6082970.14 | 2.0 | Tr | Tr (2 gr) | 1 pale blue | 0 |
| 62 | 99-M-75 | 367566.14 | 6083452.59 | 5.0 | 0 | Tr (2 gr) | 0 | 0 |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 63 | 99-M-76 | 366875.73 | 6082011.38 | 2.0 | 0 | Tr (1 gr) | 1 colourless | Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr) |
| 64 | 99-M-77 | 366237.10 | 6081599.59 | 5.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 65 | 99-M-78 | 368777.48 | 6081793.37 | 3.0 | 0 | Tr (2 gr) | 0 | Tr ruby corundum (1 gr) |
| 66 | 99-M-79 | 369918.79 | 6081283.90 | 2.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 67 | 99-M-80 | 371536.33 | 6081711.47 | 2.0 | Tr | Tr (1 gr) | 1 pale purple | Tr low-Cr diopside (1 gr) |
| 68 | 99-M-81 | 370746.10 | 6087688.00 | 2.0 | 0 | Tr (3 gr) | 2 pale blue, colourless | Tr low-Cr diopside (2 gr) |
| 69 | 99-M-82 | 372516.50 | 6088851.06 | 0.5 | 0 | Tr (5 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 70 | 99-M-83 | 372026.99 | 6090288.56 | 1.0 | 0 | Tr (3 gr) | 1 dark green gahnite, 1 blue-green spinel | Tr Mn-epidote (2 gr), Tr sapphirine (1 gr), Tr low-Cr diopside (4 gr) |
| 71 | 99-M-84 | 370517.90 | 6089778.24 | 3.0 | 0 | Tr (1 gr) | 1 pale blue | 0 |
| 72 | 99-M-85 | 370224.45 | 6088963.94 | 3.0 | 0 | 0 | 0 | 0 |
| 73 | 99-M-86 | 370086.72 | 6088310.03 | 0.5 | 0 | Tr (2 gr) | 2 dark green gahnite, 3 pale green, blue, grey spinel | Tr low-Cr diopside (2 gr) |
| 74 | 99-M-87 | 365628.38 | 6087349.81 | 3.0 | 0 | Tr (3 gr) | 2 blue, blue-green | Tr low-Cr diopside (1 gr) |
| 75 | 99-M-89 | 359762.87 | 6089860.45 | 2.0 | 0 | 0 | 1 pale purple | Tr ruby corundum (1 gr), Tr low-Cr diopside (3 gr) |
| 76 | 99-M-90 | 360419.16 | 6090713.89 | 2.0 | 0 | 0 | 1 pale green | 0 |
| 77 | 99-M-91 | 367854.62 | 6089411.77 | 3.0 | 0 | 0 | 1 colourless | Tr low-Cr diopside (1 gr) |
| 78 | 99-M-93 | 360817.18 | 6089935.46 | 2.0 | 0 | Tr (3 gr) | 1 dark green gahnite, 3 pale blue, blue-green colourless spinel | Tr Cr-andradite (1 gr), Tr low-Cr diopside (2 gr) |
| 79 | 99-M-94 | 361334.61 | 6088793.40 | 4.0 | 0 | Tr (1 gr) | 0 | Tr ruby corundum (1 gr) |
| 80 | 99-M-95 | 359548.28 | 6088342.12 | 5.0 | 0 | Tr (2 gr) | 1 blue-green | Tr low-Cr diopside (1 gr) |
| 81 | 99-M-97 | 361670.11 | 6088011.47 | 5.0 | 0 | Tr (3 gr) | 2 blue-grey | Tr low-Cr diopside (1 gr) |
| 82 | 99-M-98 | 360997.64 | 6086474.25 | 3.0 | 0 | Tr (7 gr) | 0 | 0 |
| 83 | 99-M-100 | 365660.55 | 6089907.35 | 2.0 | 0 | Tr (8 gr) | 1 pale grey | Tr Mn-epidote (1 gr), Tr low-Cr diopside (3 gr) |
| 84 | 99-M-101 | 364004.46 | 6090265.61 | 5.0 | 0 | Tr (6 gr) | 0 | Tr ruby corundum (1 gr), Tr low-Cr diopside (7 gr) |
| 85 | 99-M-102 | 365042.73 | 6085719.91 | 4.0 | 0 | Tr (4 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 86 | 99-M-104 | 365252.32 | 6088140.42 | 2.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 87 | 99-M-105 | 369243.39 | 6088065.28 | 4.0 | Tr | Tr (3 gr) | 3 pale purple, pale green | Tr Mn-epidote (2 gr), Tr ruby corundum (1 gr), Tr low-Cr diopside (4 gr) |
| 88 | 99-M-106 | 369259.00 | 6087478.80 | 4.0 | 0 | Tr (3 gr) | 1 pale blue | Tr low-Cr diopside (1 gr) |
| 89 | 99-M-107 | 367342.33 | 6086563.25 | 5.0 | Tr | Tr (3 gr) | 0 | Tr low-Cr diopside (2 gr) |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 90 | 99-M-108 | 366150.70 | 6085252.06 | 7.0 | Tr | Tr (6 gr) | 2 pale purple, pink | Tr low-Cr diopside (4 gr) |
| 91 | 99-M-109 | 368585.13 | 6084340.09 | 3.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 92 | 99-M-111 | 371414.93 | 6082844.68 | 2.0 | Tr | Tr (1 gr) | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr) |
| 93 | 99-M-112 | 373206.39 | 6082560.89 | 3.0 | 0 | Tr (11 gr) | 2 green | Tr ruby corundum (1 gr), Tr andalusite (2 gr), Tr low-Cr diopside (6 gr) |
| 94 | 99-M-113 | 374372.83 | 6082434.83 | 4.0 | Tr | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 95 | 99-M-114 | 375612.85 | 6082701.79 | 5.0 | Tr | 0 | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr) |
| 96 | 99-M-115 | 376837.58 | 6083283.99 | 5.0 | 0 | 0 | 2 blue-green | Tr low-Cr diopside (2 gr) |
| 97 | 99-M-116 | 376836.61 | 6082259.30 | 3.0 | Tr | Tr (1 gr) | 9 pale blue, blue-green, green, pale pink, colourless | Tr low-Cr diopside (3 gr) |
| 98 | 99-M-118 | 380435.24 | 6082526.84 | 2.0 | 0 | Tr (2 gr) | 2 blue-green spinel | Tr low-Cr diopside (1 gr) |
| 99 | 99-M-121 | 356420.52 | 6088346.81 | 4.0 | 0 | Tr (2 gr) | 3 dark green gahnite | 0 |
| 100 | 99-M-123 | 357174.69 | 6086097.90 | 3.0 | Tr | Tr (5 gr) | 0 | Tr Mn-epidote (1 gr) |
| 101 | 99-M-124 | 362147.22 | 6090729.66 | 5.0 | Tr | Tr (4 gr) | 1 pale purple | Tr ruby corundum (2 gr), Tr low-Cr diopside (3 gr) |
| 102 | 99-M-125 | 362574.30 | 6088793.60 | 5.0 | Tr | Tr (5 gr) | 1 green gahnite; 1 blue spinel | Tr low-Cr diopside (3 gr) |
| 103 | 99-M-126 | 359632.73 | 6085112.70 | 5.0 | 0 | Tr (4 gr) | 3 blue, pale purple | Tr low-Cr diopside (3 gr) |
| 104 | 99-M-127 | 359088.91 | 6087067.02 | 6.0 | Tr | Tr (3 gr) | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr) |
| 105 | 99-M-129 | 354975.32 | 6089429.73 | 3.0 | 0 | Tr (6 gr) | 2 green, blue | Tr low-Cr diopside (1 gr) |
| 106 | 99-M-131 | 356359.18 | 6084946.56 | 7.0 | 0 | Tr (3 gr) | 1 grey | Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr) |
| 107 | 99-M-134 | 353845.36 | 6085793.03 | 7.0 | Tr | Tr (5 gr) | 3 blue, pale blue, pale grey | Tr low-Cr diopside (1 gr) |
| 108 | 99-M-135 | 354883.31 | 6084079.64 | 2.0 | 0 | Tr (4 gr) | 1 blue-green | Tr low-Cr diopside (2 gr) |
| 109 | 99-M-136 | 349567.90 | 6083833.12 | 8.0 | Tr | Tr (4 gr) | 0 | Tr Mn-epidote (1 gr), Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr) |
| 110 | 99-M-139 | 357564.78 | 6084160.24 | 2.0 | Tr | Tr (6 gr) | 1 blue-green | Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr) |
| 111 | 99-M-140 | 363864.01 | 6082169.82 | 4.0 | 0 | Tr (2 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 112 | 99-M-142 | 361255.11 | 6081288.51 | 7.0 | 0 | Tr (2 gr) | 1 pale green | Tr low-Cr diopside (3 gr) |
| 113 | 99-M-145 | 365012.13 | 6082425.90 | 1.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 114 | 99-M-146 | 388300.25 | 6089844.48 | 1.0 | Tr | Tr (9 gr) | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr) |
| 115 | 99-M-147 | 382347.59 | 6086399.71 | 6.0 | 0 | Tr (7 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 116 | 99-M-148 | 373091.61 | 6084449.15 | 3.0 | 0 | Tr (2 gr) | 2 blue-green | Tr low-Cr diopside (1 gr) |
| 117 | 99-M-149 | 370525.75 | 6084197.53 | 3.0 | Tr | 0 | 0 | 0 |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 118 | 99-M-150 | 378340.48 | 6088920.71 | 2.0 | Tr | Tr (1 gr) | 0 | 0 |
| 119 | 99-M-151 | 379171.14 | 6087918.37 | 5.0 | 0 | Tr (3 gr) | 1 pale grey | Tr sapphirine (1 gr), Tr low-Cr diopside (4 gr) |
| 120 | 99-M-152 | 375414.93 | 6088856.96 | 2.0 | Tr | Tr (7 gr) | 3 blue-green, colourless | 0 |
| 121 | 99-M-154 | 376668.36 | 6087121.26 | 3.0 | Tr | Tr (2 gr) | 2 green colourless | Tr low-Cr diopside (2 gr) |
| 122 | 99-M-155 | 375877.60 | 6086516.58 | 4.0 | Tr | Tr (4 gr) | 1 green | Tr low-Cr diopside (2 gr) |
| 123 | 99-M-156 | 373995.52 | 6086125.05 | 2.0 | Tr | Tr (3 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 124 | 99-M-157 | 372027.71 | 6087027.04 | 4.0 | 0 | Tr (5 gr) | 0 | 0 |
| 125 | 99-M-201 | 371334.99 | 6079065.23 | 5.0 | 1 | 0 | 1 blue-green | Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr) |
| 126 | 99-M-202 | 370612.18 | 6078749.88 | 4.0 | Tr | 0 | 1 hercynite | 0 |
| 127 | 99-M-203 | 369733.49 | 6079116.31 | 4.0 | Tr | Tr (1 gr) | 0 | 0 |
| 128 | 99-M-204 | 368745.75 | 6078704.52 | 4.0 | Tr | 0 | 1 pale blue | 0 |
| 129 | 99-M-205 | 367736.72 | 6078107.25 | 3.0 | Tr | 0 | 0 | 0 |
| 130 | 99-M-206 | 366185.42 | 6077629.58 | 3.0 | Tr | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 131 | 99-M-207 | 370205.14 | 6080422.95 | 5.0 | Tr | Tr (3 gr) | 0 | 0 |
| 132 | 99-M-208 | 365599.84 | 6076900.47 | 6.0 | Tr | 0 | 0 | Tr low-Cr diopside (2 gr) |
| 133 | 99-M-209 | 367275.47 | 6079004.52 | 3.0 | Tr | 0 | 0 | 0 |
| 134 | 99-M-210 | 367991.68 | 6079460.20 | 2.0 | Tr | Tr (3 gr) | 0 | 0 |
| 135 | 99-M-211 | 368856.57 | 6080449.74 | 5.0 | Tr | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 136 | 99-M-212 | 367569.80 | 6080402.33 | 2.0 | Tr | Tr (2 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 137 | 99-M-213 | 365183.13 | 6079542.10 | 3.0 | Tr | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 138 | 99-M-214 | 360603.87 | 6076390.98 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (2 gr) |
| 139 | 99-M-215 | 360976.40 | 6074963.41 | 2.0 | 0 | Tr (1 gr) | 0 | 0 |
| 140 | 99-M-217 | 359631.41 | 6079022.59 | 3.0 | 0 | Tr (2 gr) | 1 blue | Tr low-Cr diopside (1 gr) |
| 141 | 99-M-218 | 363444.79 | 6074383.10 | 5.0 | Tr | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 142 | 99-M-219 | 367825.77 | 6068425.98 | 5.0 | 0 | 0 | 0 | 0 |
| 143 | 99-M-220 | 368431.98 | 6067452.60 | 3.0 | Tr | Tr (1 gr) | 0 | 0 |
| 144 | 99-M-221 | 360246.41 | 6081552.52 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 145 | 99-M-223 | 355505.67 | 6083205.01 | 3.0 | Tr | Tr (1 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 146 | 99-M-224 | 350117.78 | 6081716.84 | 4.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 147 | 99-M-225 | 350702.40 | 6083206.61 | 5.0 | 0 | Tr (3 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 148 | 99-M-226 | 354277.47 | 6083205.79 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (2 gr) |
| 149 | 99-M-227 | 355381.59 | 6075600.60 | 4.0 | 0 | 0 | 0 | 0 |
| 150 | 99-M-228 | 353986.25 | 6074843.74 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 151 | 99-M-229 | 353511.14 | 6076295.59 | 2.0 | 0 | Tr (1 gr) | 0 | 0 |
| 152 | 99-M-230 | 355405.44 | 6076684.24 | 3.0 | 0 | Tr (4 gr) | 1 green | 0 |
| 153 | 99-M-233 | 353080.39 | 6072997.78 | 4.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 154 | 99-M-234 | 352085.67 | 6071913.45 | 3.0 | 0 | 0 | 0 | 0 |
| 155 | 99-M-235 | 352971.33 | 6071021.91 | 4.0 | 0 | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 156 | 99-M-236 | 375222.72 | 6068829.48 | 4.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 157 | 99-M-237 | 373322.15 | 6067669.32 | 5.0 | Tr | 0 | 0 | 0 |
| 158 | 99-M-238 | 372452.18 | 6069244.38 | 3.0 | 0 | Tr (2 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 159 | 99-M-239 | 368922.50 | 6069508.74 | 7.0 | Tr | Tr (1 gr) | 0 | 0 |
| 160 | 99-M-240 | 370909.02 | 6070515.51 | 3.0 | 0 | 0 | 0 | 0 |
| 161 | 99-M-241 | 372758.61 | 6071129.61 | 4.0 | 0 | 0 | 1 blue | 0 |
| 162 | 99-M-242 | 370633.94 | 6066046.81 | 2.0 | 0 | 0 | 0 | 0 |
| 163 | 99-M-243 | 373883.08 | 6066058.33 | 3.0 | Tr | Tr (3 gr) | 1 pale blue | Tr Mn-epidote (1 gr) |
| 164 | 99-M-245 | 373013.86 | 6074903.92 | 6.0 | Tr | Tr (6 gr) | 1 blue | Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr) |
| 165 | 99-M-246 | 375209.93 | 6072610.07 | 4.0 | Tr | Tr (2 gr) | 0 | 0 |
| 166 | 99-M-248 | 363998.87 | 6080166.06 | 5.0 | Tr | 0 | 0 | 0 |
| 167 | 99-M-249 | 366434.90 | 6080165.02 | 4.0 | Tr | Tr (1 gr) | 0 | 0 |
| 168 | 99-M-250 | 365625.09 | 6080983.27 | 5.0 | Tr | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 169 | 99-M-251 | 369454.61 | 6077674.80 | 4.0 | Tr | 0 | 0 | 0 |
| 170 | 99-M-252 | 370212.70 | 6077226.07 | 2.0 | Tr | 0 | 0 | 0 |
| 171 | 99-M-253 | 369727.62 | 6076391.19 | 3.0 | 0 | 0 | 0 | 0 |
| 172 | 99-M-257 | 370578.92 | 6075052.05 | 5.0 | Tr | Tr (1 gr) | 1 green gahnite, 4 pale purple, green spinel | Tr sapphire corundum (1 gr), Tr low-Cr diopside (3 gr) |
| 173 | 99-M-259 | 367901.42 | 6074827.37 | 5.0 | Tr | 0 | 0 | 0 |
| 174 | 99-M-260 | 359223.52 | 6069883.78 | 3.0 | 0 | 0 | 0 | Tr Mn-epidote (1 gr) |
| 175 | 99-M-261 | 360063.93 | 6069315.74 | 3.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 176 | 99-M-262 | 355969.59 | 6070935.17 | 4.0 | 0 | Tr (2 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 177 | 99-M-263 | 357994.39 | 6070646.49 | 3.0 | Tr | Tr (4 gr) | 0 | 0 |
| 178 | 99-M-264 | 360989.77 | 6069149.40 | 6.0 | 0 | 0 | 2 colourless, blue | 0 |
| 179 | 99-M-265 | 361329.67 | 6072980.83 | 1.0 | Tr | Tr (1 gr) | 0 | Tr low-Cr diopside (2 gr) |
| 180 | 99-M-266 | 363559.03 | 6071022.97 | 3.0 | 0 | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 181 | 99-M-267 | 377020.28 | 6069882.33 | 5.0 | 0 | 0 | 1 green | 0 |
| 182 | 99-M-268 | 379044.14 | 6070599.95 | 5.0 | Tr | 0 | 0 | 0 |
| 183 | 99-M-269 | 376364.81 | 6071760.41 | 6.0 | 0 | 0 | 0 | 0 |
| 184 | 99-M-271 | 383858.83 | 6067703.50 | 4.0 | 0 | Tr (1 gr) | 0 | 0 |
| 185 | 99-M-272 | 384102.61 | 6068885.27 | 5.0 | Tr | Tr (1 gr) | 1 blue | Tr Mn-epidote (1 gr) |
| 186 | 99-M-273 | 380547.15 | 6070612.20 | 4.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 187 | 99-M-274 | 382955.22 | 6071800.72 | 5.0 | 0 | 0 | 0 | 0 |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 188 | 99-M-275 | 381967.41 | 6070087.68 | 5.0 | Tr | Tr (2 gr) | 1 blue | 0 |
| 189 | 99-M-276 | 385148.66 | 6077248.38 | 7.0 | 0 | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 190 | 99-M-277 | 386690.16 | 6081682.14 | 4.0 | Tr | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 191 | 99-M-278 | 388023.91 | 6080577.61 | 6.0 | Tr | Tr (1 gr) | 1 pale blue | Tr Mn-epidote (1 gr), Tr low-Cr diopside (1 gr) |
| 192 | 99-M-279 | 376310.70 | 6077007.87 | 3.0 | 0 | Tr (1 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 193 | 99-M-280 | 384159.38 | 6073682.24 | 4.0 | Tr | Tr (3 gr) | 0 | 0 |
| 194 | 99-M-281 | 379124.40 | 6067728.11 | 5.0 | Tr | Tr (2 gr) | 0 | 0 |
| 195 | 99-M-282 | 382727.20 | 6079909.30 | 4.0 | 0 | Tr (2 gr) | 0 | 0 |
| 196 | 99-M-284 | 383840.14 | 6075866.88 | 5.0 | Tr | Tr (1 gr) | 1 blue | Tr low-Cr diopside (2 gr) |
| 197 | 99-M-286 | 385475.05 | 6074190.49 | 3.0 | 0 | Tr (2 gr) | 3 blue, pale pink | Tr low-Cr diopside (1 gr) |
| 198 | 99-M-287 | 385938.09 | 6072538.35 | 5.0 | 0 | 0 | 0 | Tr low-Cr diopside (1 gr) |
| 199 | 99-M-288 | 384706.93 | 6071638.97 | 5.0 | 0 | Tr (4 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 200 | 99-M-289 | 384447.42 | 6070035.32 | 2.0 | 0 | Tr (3 gr) | 0 | 0 |
| 201 | 99-M-290 | 385875.21 | 6070091.77 | 2.0 | Tr | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 202 | 99-M-291 | 386749.94 | 6071142.51 | 3.0 | 0 | 0 | 0 | 0 |
| 203 | 99-M-292 | 372658.22 | 6079359.51 | 5.0 | Tr | 0 | 2 grey, pale green | Tr low-Cr diopside (1 gr) |
| 204 | 99-M-293 | 373332.21 | 6078856.12 | 5.0 | 0 | Tr (3 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 205 | 99-M-294 | 374312.89 | 6078921.40 | 5.0 | 0 | 0 | 1 blue | Tr low-Cr diopside (1 gr) |
| 206 | 99-M-295 | 375182.62 | 6078624.03 | 6.0 | 0 | Tr (2 gr) | 2 green, grey | Tr low-Cr diopside (4 gr) |
| 207 | 99-M-296 | 376386.81 | 6078570.83 | 5.0 | 0 | Tr (5 gr) | 0 | 0 |
| 208 | 99-M-297 | 377606.00 | 6078057.09 | 3.0 | 0 | 0 | 1 blue | 0 |
| 209 | 99-M-298 | 377794.68 | 6079094.31 | 4.0 | Tr | Tr (3 gr) | 1 colourless | Tr low-Cr diopside (2 gr), Tr ruby corundum (1 gr) |
| 210 | 99-M-300 | 383601.49 | 6081754.27 | 3.0 | 0 | 0 | 0 | 0 |
| 211 | 99-M-301 | 382264.75 | 6081807.41 | 5.0 | 0 | 0 | 0 | 0 |
| 212 | 99-M-302 | 381825.16 | 6080640.92 | 5.0 | 0 | Tr (2 gr) | 0 | 0 |
| 213 | 99-M-303 | 381419.93 | 6079292.48 | 7.0 | 0 | Tr (1 gr) | 1 pale purple | 0 |
| 214 | 99-M-304 | 379828.87 | 6079816.74 | 6.0 | 0 | 0 | 1 blue-green | Tr low-Cr diopside (2 gr) |
| 215 | 99-M-305 | 373257.01 | 6080611.99 | 8.0 | 0 | 0 | 2 blue, pale pink | 0 |
| 216 | 99-M-306 | 374075.08 | 6080290.59 | 4.0 | Tr | 0 | 1 dark green gahnite; 1 pale blue spinel | Tr low-Cr diopside (2 gr) |
| 217 | 99-M-307 | 376118.15 | 6080021.19 | 3.0 | Tr | 0 | 0 | 0 |
| 218 | 99-M-308 | 378593.33 | 6079122.68 | 7.0 | 0 | 0 | 0 | 0 |
| 219 | 99-M-309 | 379412.18 | 6081620.51 | 3.0 | 0 | 0 | 0 | 0 |
| 220 | 99-M-310 | 378075.60 | 6081454.42 | 4.0 | 0 | Tr (1 gr) | 0 | 0 |
| 221 | 99-M-311 | 375825.45 | 6081477.33 | 5.0 | 1 | Tr (1 gr) | 0 | 0 |
| 222 | 99-M-312 | 374729.14 | 6081514.74 | 5.0 | Tr | Tr (1 gr) | 0 | 0 |

| Process Order | Sample Site | UTM Easting | UTM Northing | Mg/Mn/Al/Cr Minerals 0.25-0.5 mm >1 amp Kyanite % | Sillimanite % | Rutile % | # Grains + Colour Spinel | Other |
|---|---|---|---|---|---|---|---|---|
| 223 | 99-M-313 | 373003.62 | 6081431.03 | 5.0 | 1 | 0 | 0 | 0 |
| 224 | 99-M-314 | 380441.27 | 6077362.52 | 7.0 | Tr | Tr (2 gr) | 1 blue | Tr low-Cr diopside (1 gr) |
| 225 | 99-M-315 | 379424.91 | 6076667.36 | 2.0 | 0 | Tr (1 gr) | 0 | 0 |
| 226 | 99-M-316 | 378083.67 | 6075976.30 | 2.0 | 0 | Tr (1 gr) | 1 green | 0 |
| 227 | 99-M-317 | 378975.05 | 6075002.82 | 4.0 | Tr | 0 | 0 | 0 |
| 228 | 99-M-319 | 377992.28 | 6071532.08 | 3.0 | Tr | Tr (4 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 229 | 99-M-320 | 378032.77 | 6073502.62 | 1.0 | 0 | Tr (2 gr) | 0 | 0 |
| 230 | 99-M-324 | 371909.21 | 6077077.66 | 2.0 | Tr | Tr (2 gr) | 0 | 0 |
| 231 | 99-M-326 | 367010.80 | 6076322.95 | 2.0 | Tr | Tr (3 gr) | 1 blue | Tr low-Cr diopside (1 gr) |
| 232 | 99-M-327 | 365544.89 | 6075097.76 | 2.0 | Tr | Tr (2 gr) | 1 pale blue | Tr low-Cr diopside (1 gr) |
| 233 | 99-M-329 | 373524.62 | 6072776.30 | 1.0 | 0 | 0 | 0 | Tr Mn-epidote (1 gr), Tr low-Cr diopside (2 gr) |
| 234 | 99-M-330 | 373090.65 | 6073609.38 | 4.0 | Tr | Tr (4 gr) | 0 | 0 |
| 235 | 99-M-331 | 372325.83 | 6073335.34 | 3.0 | Tr | Tr (1 gr) | 1 blue-grey | 0 |
| 236 | 99-M-332 | 371343.79 | 6071847.26 | 1.0 | 0 | Tr (2 gr) | 0 | Tr low-Cr diopside (1 gr) |
| 237 | 99-M-334 | 353630.41 | 6074080.73 | 2.0 | Tr | Tr (5 gr) | 1 pale blue | 0 |
| 238 | 99-M-335 | 354026.13 | 6072263.97 | 2.0 | Tr | Tr (12 gr) | 1 pale purple | Tr low-Cr diopside (1 gr) |
| 239 | 99-M-338 | 358097.38 | 6073183.12 | Tr | Tr | Tr (3 gr) | 1 pale blue | Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr) |
| 240 | 99-M-339 | 358101.16 | 6077722.60 | Tr | Tr | Tr (1 gr) | 3 pale purple, blue | 0 |
| 241 | 99-M-341 | 363366.15 | 6079087.77 | 4.0 | Tr | Tr (2 gr) | 0 | 0 |
| 242 | 99-M-342 | 361709.41 | 6079470.25 | 3.0 | Tr | Tr (2 gr) | 0 | 0 |
| 243 | 99-M-343 | 365228.31 | 6078367.51 | 4.0 | Tr | Tr (5 gr) | 3 blue, blue-green, green | 0 |
| 244 | 99-M-344 | 364266.45 | 6076224.84 | 3.0 | 0 | Tr (1 gr) | 0 | 0 |
| 245 | 99-M-345 | 362453.17 | 6075416.23 | 5.0 | 0 | Tr (3 gr) | 0 | 0 |
| 246 | 99-M-346 | 363508.62 | 6077282.57 | 4.0 | 0 | Tr (3 gr) | 0 | 0 |
| 247 | 99-M-347 | 390123.06 | 6073013.81 | 3.0 | 0 | Tr (1 gr) | 2 blue-green, grey | 0 |
| 248 | 99-M-349 | 394290.85 | 6073197.89 | 3.0 | 0 | Tr (1 gr) | 0 | Tr ruby corundum (1 gr), Tr low-Cr diopside (1 gr) |
| 249 | 99-M-350 | 381237.22 | 6069551.39 | Tr | 0 | 0 | 0 | 0 |
| 250 | 99-M-351 | 377332.39 | 6064774.37 | Tr | 0 | 0 | 0 | 0 |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite % | Fayalite % | Orthopyroxene % | Chromite % | Spinel % | Goethite % | Pyrite % | Chalcopyrite % |
| 99-M-2 | 1 | 0 | Tr | 0 | 0 | 2.0 | Tr (1 gr) | Tr (1 gr) |
| 99-M-3 | Tr | 0 | 2.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-4 | 0.5 | 0 | 2.0 | 0 | 0 | 0.5 | Tr (2 gr) | 0 |
| 99-M-5 | 0.5 | 0 | 4.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-7 | 0.5 | 0 | 1.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-8 | 0.5 | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-9 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-10 | 1 | 0 | 2.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-11 | Tr | 0 | 1.0 | 0 | 0 | 3.0 | 0 | 0 |
| 99-M-12 | Tr | 0 | Tr | 0 | 0 | Tr | Tr (2 gr) | 0 |
| 99-M-13 | Tr | 0 | 0.5 | 0 | 0 | Tr | Tr (2 gr) | 0 |
| 99-M-14 | 2 | 0 | 1.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-15 | 0.5 | 0 | 2.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-16 | 0.5 | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (2 gr) |
| 99-M-17 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-18 | Tr | 0 | Tr | 0 | 0 | 1.0 | 0 | Tr (2 gr) |
| 99-M-19 | Tr | 0 | 0.5 | 0 | 0 | 2.0 | Tr (2 gr) | Tr (1 gr) |
| 99-M-21 | Tr | 0 | Tr | 0 | 0 | 2.0 | 0 | Tr (1 gr) |
| 99-M-25 | Tr | 0 | 1.0 | 0 | 0 | 2.0 | 0 | Tr (1 gr) |
| 99-M-26 | Tr | 0 | 2.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-27 | 1 | 0 | 2.0 | 0 | 0 | 0.0 | 0 | 0 |
| 99-M-28 | 1 | 0 | 1.0 | Tr (1 gr; picked as KIM) | 0 | 0.0 | 0 | 0 |
| 99-M-29 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-30 | Tr | 0 | 5.0 | 0 | 0 | 0.0 | 0 | Tr (1 gr) |
| 99-M-31 | 1 | 0 | 5.0 | 0 | 0 | 1.0 | 0 | Tr (1 gr) |
| 99-M-32 | Tr | 0 | 5.0 | 0 | 0 | 0.0 | 0 | Tr (1 gr) |
| 99-M-33 | Tr | 0 | 7.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-34 | Tr | 0 | 7.0 | 0 | 0 | 0.0 | 0 | 0 |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite % | Fayalite % | Orthopyroxene % | Chromite % | Spinel % | Goethite % | Pyrite % | Chalcopyrite % |
| 99-M-35 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-36 | Tr | 0 | 5.0 | Tr (1 gr; picked as KIM) | 0 | 0.0 | 0 | 0 |
| 99-M-39 | Tr | 0 | 5.0 | Tr (1 gr: picked as KIM) | 0 | 0.0 | Tr (1 gr) | Tr (1 gr) |
| 99-M-40 | Tr | 0 | 1.0 | 0 | 0 | 0.0 | 0 | 0 |
| 99-M-41 | Tr | Tr | 2.0 | 0 | 0 | 0.5 | 0 | 0 |
| 99-M-42 | Tr | 0 | 3.0 | 0 | 0 | 0.0 | 0 | 0 |
| 99-M-43 | Tr | 0 | 2.0 | 0 | 0 | 0.0 | 0 | 0 |
| 99-M-44 | Tr | 0 | 3.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-45 | Tr | 0 | 4.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-46 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-47 | Tr | 0 | 3.0 | Tr (2 gr; picked as KIMs) | 0 | 0.5 | 0 | 0 |
| 99-M-48 | Tr | 0 | 2.0 | 0 | 0 | 0.5 | Tr (~10 gr) | 0 |
| 99-M-49 | 0.5 | 0 | 4.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-50 | Tr | 0 | 3.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-51 | 1 | 0 | 5.0 | 0 | 0 | 3.0 | 0 | 0 |
| 99-M-52 | Tr | 0 | 8.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-53 | 1 | 0 | 4.0 | 0 | 0 | 3.0 | 0 | 0 |
| 99-M-54 | Tr | 0 | 4.0 | Tr (1 gr; picked as KIM) | 0 | 2.0 | 0 | 0 |
| 99-M-55 | Tr | 0 | 3.0 | Tr (1 gr; picked as KIM) | 0 | 2.0 | 0 | 0 |
| 99-M-56 | 1 | 0 | 2.0 | 0 | 0 | 3.0 | 0 | 0 |
| 99-M-57 | 2 | 0 | 1.0 | 0 | 0 | 3.0 | 0 | 0 |
| 99-M-59 | Tr | 0 | 5.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-63 | Tr | 0 | Tr | Tr (4 gr; picked as KIMs) | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-64 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-65 | Tr | 0 | 2.0 | Tr (2 gr; picked as KIMs) | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-66 | Tr | 0 | 5.0 | Tr (1 gr; picked as KIM) | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-67 | Tr | 0 | 5.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-68 | Tr | 0 | 7.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-69 | Tr | 0 | 2.0 | 0 | 0 | 0.0 | 0 | 0 |
| 99-M-70 | Tr | 0 | 10.0 | Tr (2 gr; picked as KIMs) | 0 | Tr | 0 | 0 |
| 99-M-71 | Tr | 0 | 10.0 | Tr (1 gr; picked as KIM) | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-73 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-74 | 3 | 0 | 4.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-75 | Tr | 0 | Tr | 0 | 0 | 1.0 | Tr (1 gr) | 0 |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite % | Fayalite % | Orthopyroxene % | Chromite % | Spinel % | Goethite % | Pyrite % | Chalcopyrite % |
| 99-M-76 | Tr | 0 | 3.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-77 | 1 | 0 | 4.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-78 | Tr | 0 | Tr | 0 | 0 | Tr | 0 | 0 |
| 99-M-79 | 2 | 0 | 5.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-80 | 1 | 0 | 3.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-81 | Tr | 0 | 10.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-82 | Tr | 0 | 6.0 | 0 | 0 | Tr | Tr (5 gr) | 0 |
| 99-M-83 | 5 | 0 | Tr | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-84 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-85 | 1 | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-86 | Tr | 0 | Tr | 0 | 0 | Tr | Tr (3 gr) | 0 |
| 99-M-87 | 2 | 0 | 5.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-89 | Tr | 0 | 5.0 | 0 | 0 | Tr | Tr (3 gr) | 0 |
| 99-M-90 | Tr | 0 | 10.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-91 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-93 | Tr | 0 | 7.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-94 | Tr | 0 | 5.0 | 0 | 0 | 3.0 | Tr (~10 gr) | 0 |
| 99-M-95 | Tr | 0 | 5.0 | 0 | 0 | 2.0 | Tr (3 gr) | 0 |
| 99-M-97 | 1 | 0 | 5.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-98 | 1 | 0 | 6.0 | Tr (1 gr; picked as KIM) | 0 | 1.0 | Tr (6 gr) | 0 |
| 99-M-100 | Tr | 0 | 8.0 | 0 | 0 | 4.0 | Tr (~150 gr) | 0 |
| 99-M-101 | 2 | 0 | 6.0 | Tr (1 gr; picked as KIM) | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-102 | Tr | 0 | 4.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-104 | Tr | 0 | 2.0 | Tr (~75 gr; picked as KIMs) | 0 | Tr | Tr (~10 gr) | Tr (4 gr) |
| 99-M-105 | Tr | 0 | 4.0 | Tr (1 gr; picked as KIM) | 0 | Tr | Tr (2 gr) | 0 |
| 99-M-106 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-107 | Tr | 0 | 4.0 | Tr (2 gr; picked as KIMs) | 0 | Tr | Tr (3 gr) | 0 |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite % | Fayalite % | Orthopyroxene % | Chromite % | Spinel % | Goethite % | Pyrite % | Chalcopyrite % |
| 99-M-108 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-109 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-111 | Tr | 0 | 5.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-112 | Tr | 0 | 5.0 | Tr (3 gr; picked as KIMs) | 0 | 3.0 | Tr (~10 gr) | 0 |
| 99-M-113 | 1 | 0 | 7.0 | 0 | 0 | 1.0 | Tr (1 gr) | 0 |
| 99-M-114 | Tr | 0 | 3.0 | 0 | 0 | 5.0 | 0 | 0 |
| 99-M-115 | 1 | 0 | 10.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-116 | 2 | 0 | 7.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-118 | Tr | 0 | 3.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-121 | Tr | 0 | 10.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-123 | Tr | 0 | 8.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-124 | Tr | 0 | 10.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-125 | Tr | 0 | 3.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-126 | 1 | 0 | 3.0 | Tr (1 gr; picked as KIM) | 0 | 1.0 | 0 | 0 |
| 99-M-127 | 2 | 0 | 1.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-129 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-131 | 2 | 0 | 8.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-134 | Tr | 0 | 10.0 | Tr (3 gr; picked as KIMs) | 0 | 1.0 | Tr (1 gr) | Tr (1 gr) |
| 99-M-135 | Tr | 0 | 12.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-136 | Tr | 0 | 12.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-139 | 1 | 0 | 4.0 | Tr (5 gr; picked as KIMs) | 0 | 1.0 | 0 | 0 |
| 99-M-140 | Tr | 0 | 15.0 | Tr (1 gr; picked as KIM) | 0 | 2.0 | 0 | 0 |
| 99-M-142 | 3 | 0 | 12.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-145 | 1 | Tr | 6.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-146 | Tr | 0 | 5.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-147 | Tr | 0 | 10.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-148 | Tr | 0 | 7.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-149 | Tr | 0 | 6.0 | Tr (1 gr; picked as KIM) | 0 | Tr | Tr (3 gr) | 0 |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| **Sample Site** | **Staurolite** | **Fayalite** | **Orthopyroxene** | **Chromite** | **Spinel** | **Goethite** | **Pyrite** | **Chalcopyrite** |
| | **%** | **%** | **%** | **%** | **%** | **%** | **%** | **%** |
| 99-M-150 | Tr | 0 | 4.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-151 | Tr | 0 | 5.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-152 | Tr | 0 | 7.0 | Tr (2 gr; picked as KIMs) | 0 | Tr | 0 | 0 |
| 99-M-154 | Tr | 0 | 3.0 | 0 | 0 | Tr | Tr (2 gr) | 0 |
| 99-M-155 | Tr | 0 | 2.0 | 0 | 0 | 2.0 | Tr (3 gr) | 0 |
| 99-M-156 | Tr | 0 | 5.0 | 0 | 0 | 2.0 | Tr (1 gr) | 0 |
| 99-M-157 | 1 | 0 | 5.0 | 0 | 0 | Tr | Tr (5 gr) | 0 |
| 99-M-201 | Tr | 0 | 2.0 | 0 | 0 | 5.0 | Tr (~15 gr) | 0 |
| 99-M-202 | 1 | 0 | 1.0 | 0 | 0 | 1.0 | Tr (2 gr) | 0 |
| 99-M-203 | Tr | 0 | 3.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-204 | Tr | 0 | 6.0 | Tr (1 gr; picked as KIM) | 0 | Tr | 0 | 0 |
| 99-M-205 | Tr | 0 | 10.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-206 | Tr | 0 | 4.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-207 | Tr | 0 | 8.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-208 | Tr | 0 | 3.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-209 | Tr | 0 | 8.0 | 0 | 0 | Tr | 1 (~30 gr) | 0 |
| 99-M-210 | Tr | 0 | 6.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-211 | Tr | 0 | 3.0 | 0 | 0 | Tr | Tr (1 gr) | 0 |
| 99-M-212 | Tr | 0 | 6.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-213 | Tr | 0 | 3.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-214 | Tr | 0 | 2.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-215 | 1 | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-217 | Tr | 0 | 3.0 | 0 | 0 | 1.0 | Tr (1 gr) | Tr (1 gr) |
| 99-M-218 | 2 | 0 | 5.0 | 0 | 0 | 2.0 | 0 | 0 |
| 99-M-219 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-220 | Tr | 0 | 4.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-221 | Tr | 0 | 2.0 | 0 | 0 | Tr | 30 (~1000 gr) | 0 |
| 99-M-223 | Tr | 0 | Tr | 0 | 0 | Tr | 0 | 0 |
| 99-M-224 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-225 | Tr | 0 | 6.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-226 | Tr | 0 | 5.0 | 0 | 0 | 3.0 | Tr (~10 gr) | 0 |
| 99-M-227 | Tr | 0 | 4.0 | 0 | Tr | Tr | Tr (2 gr) | 0 |
| 99-M-228 | Tr | 0 | 3.0 | 0 | 0 | Tr | Tr (1 gr) | Tr (1 gr) |
| 99-M-229 | Tr | 0 | 6.0 | 0 | 0 | Tr | Tr (2 gr) | Tr (1 gr) |
| 99-M-230 | Tr | 0 | 4.0 | 0 | 0 | Tr | Tr (3 gr) | 0 |
| 99-M-233 | Tr | 0 | 3.0 | 0 | 0 | 3.0 | Tr (3 gr) | 0 |
| 99-M-234 | Tr | 0 | 3.0 | 0 | 0 | 2.0 | Tr (1 gr) | 0 |
| 99-M-235 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | Tr (7 gr) |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite % | Fayalite % | Orthopyroxene % | Chromite % | Spinel % | Goethite % | Pyrite % | Chalcopyrite % |
| 99-M-236 | Tr | 0 | 4.0 | Tr (1 gr; picked as KIM) | 0 | 1.0 | 0 | Tr (1 gr) |
| 99-M-237 | Tr | 0 | 4.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-238 | Tr | 0 | 4.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-239 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-240 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-241 | Tr | 0 | 3.0 | 0 | 0 | 1.0 | 0 | Tr (1 gr) |
| 99-M-242 | Tr | 0 | 6.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-243 | Tr | 0 | 4.0 | 0 | 0 | Tr | Tr (2 gr) | 0 |
| 99-M-245 | Tr | 0 | 7.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-246 | Tr | 0 | 5.0 | 0 | Tr | Tr | 0 | Tr (1 gr) |
| 99-M-248 | Tr | 0 | 5.0 | 0 | Tr | 2.0 | Tr (1 gr) | 0 |
| 99-M-249 | Tr | 0 | 2.0 | 0 | 0 | Tr | 0 | 0 |
| 99-M-250 | Tr | 0 | 7.0 | 0 | 0 | 1.0 | Tr (~15 gr) | 0 |
| 99-M-251 | Tr | 0 | 7.0 | 0 | 0 | 1.0 | 0 | 0 |
| 99-M-252 | 1 | 0 | 3.0 | Tr (1 gr; picked as KIM) | Tr | 7.0 | 0 | 0 |
| 99-M-253 | Tr | 0 | 4.0 | Tr (3 gr; picked as KIM) | Tr | 2.0 | 0 | 0 |
| 99-M-257 | Tr | 0 | 4.0 | 0 | Tr | 5.0 | 0 | Tr (3 gr) |
| 99-M-259 | Tr | 0 | 6.0 | 0 | Tr | 1.0 | 7% (~400 gr) | Tr (1 gr) |
| 99-M-260 | Tr | 0 | 3.0 | 0 | 0 | 1.0 | Tr (3 gr) | 0 |
| 99-M-261 | Tr | 0 | 3.0 | Tr (2 gr; picked as KIMs) | Tr | 5.0 | 0 | 0 |
| 99-M-262 | Tr | 0 | 5.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-263 | Tr | 0 | 5.0 | 0 | Tr | 1.0 | Tr (3 gr) | 0 |
| 99-M-264 | Tr | 0 | 3.0 | 0 | Tr | Tr | Tr (~30 gr) | 0 |
| 99-M-265 | Tr | 0 | 3.0 | 0 | Tr | Tr | Tr (1 gr) | Tr (1 gr) |
| 99-M-266 | 1 | 0 | 2.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-267 | Tr | 0 | 3.0 | 0 | Tr | Tr | 0 | Tr (1 gr) |
| 99-M-268 | Tr | 0 | Tr | 0 | 0 | Tr | 0 | 0 |
| 99-M-269 | Tr | 0 | 3.0 | 0 | Tr | 2.0 | 0 | Tr (1 gr) |
| 99-M-271 | Tr | 0 | 2.0 | Tr (1 gr; picked as KIM) | Tr | Tr | 0 | 0 |
| 99-M-272 | Tr | 0 | 3.0 | Tr (2 gr; picked as KIMs) | Tr | Tr | 0 | 0 |
| 99-M-273 | Tr | 0 | 1.0 | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-274 | Tr | 0 | 5.0 | 0 | Tr | 2.0 | Tr (2 gr) | 0 |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite % | Fayalite % | Orthopyroxene % | Chromite % | Spinel % | Goethite % | Pyrite % | Chalcopyrite % |
| 99-M-275 | Tr | 0 | 4.0 | 0 | Tr | 1.0 | Tr (1 gr) | 0 |
| 99-M-276 | 2 | 0 | 3.0 | 0 | Tr | 3.0 | Tr (1 gr) | 0 |
| 99-M-277 | Tr | 0 | 4.0 | 0 | Tr | Tr | Tr (1 gr) | 0 |
| 99-M-278 | Tr | 0 | 5.0 | 0 | Tr | 2.0 | 0 | 0 |
| 99-M-279 | Tr | 0 | Tr | 0 | 0 | Tr | 0 | Tr (1 gr) |
| 99-M-280 | Tr | 0 | 4.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-281 | Tr | 0 | 4.0 | 0 | 0 | 40.0 | 0 | 0 |
| 99-M-282 | Tr | 0 | 6.0 | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-284 | Tr | 0 | 6.0 | 0 | Tr | 1.0 | Tr (4 gr) | 0 |
| 99-M-286 | Tr | 0 | 3.0 | 0 | Tr | 4.0 | Tr (1 gr) | 0 |
| 99-M-287 | Tr | 0 | 4.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-288 | Tr | 0 | 5.0 | 0 | Tr | 1.0 | 0 | Tr (1 gr) |
| 99-M-289 | Tr | 0 | 5.0 | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-290 | Tr | 0 | 4.0 | 0 | Tr | Tr | 0 | Tr (1 gr) |
| 99-M-291 | Tr | 0 | 2.0 | 0 | Tr | 1.0 | 0 | Tr (1 gr) |
| 99-M-292 | Tr | 0 | 4.0 | 0 | Tr | 3.0 | Tr (4 gr) | 0 |
| 99-M-293 | Tr | 0 | 7.0 | 0 | Tr | 2.0 | 0 | 0 |
| 99-M-294 | Tr | 0 | 5.0 | Tr (2 gr; picked as KIMs) | Tr | 2.0 | 0 | 0 |
| 99-M-295 | Tr | 0 | 4.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-296 | Tr | 0 | 3.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-297 | Tr | 0 | 4.0 | 0 | Tr | 1.0 | Tr (~20 gr) | 0 |
| 99-M-298 | Tr | 0 | 5.0 | 0 | Tr | 1.0 | 0 | Tr (1 gr) |
| 99-M-300 | Tr | 0 | 4.0 | 0 | Tr | Tr | 0 | Tr (1 gr) |
| 99-M-301 | Tr | 0 | 3.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-302 | 2 | 0 | 3.0 | 0 | Tr | 2.0 | 0 | 0 |
| 99-M-303 | 1 | 0 | 7.0 | 0 | Tr | 3.0 | 0 | 0 |
| 99-M-304 | 2 | 0 | 3.0 | Tr (1 gr; picked as KIM) | 1 | 3.0 | 0 | 0 |
| 99-M-305 | Tr | 0 | 3.0 | 0 | Tr | Tr | 0 | 0 |
| 99-M-306 | Tr | 0 | 5.0 | Tr (1 gr; picked as KIM) | Tr | 1.0 | Tr (3 gr) | Tr (2 gr) |
| 99-M-307 | Tr | 0 | 4.0 | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-308 | 2 | 0 | 4.0 | Tr (3 gr; picked as KIMs) | Tr | 2.0 | 0 | 0 |
| 99-M-309 | Tr | 0 | 4.0 | Tr (1 gr; picked as KIM) | Tr | 3.0 | 0 | 0 |
| 99-M-310 | Tr | 0 | 3.0 | 0 | Tr | 3.0 | 0 | 0 |
| 99-M-311 | Tr | 0 | 3.0 | 0 | Tr | 3.0 | 0 | 0 |
| 99-M-312 | Tr | 0 | 5.0 | Tr (3 gr; picked as KIMs) | Tr | 3.0 | Tr (~10 gr) | Tr (1 gr) |

| | Mg/Mn/Al/Cr Minerals | | | | | Sulphide/Arsenide + Related Minerals | | |
|---|---|---|---|---|---|---|---|---|
| | 0.25-0.5 mm | | | | | 0.25-0.5 mm | | |
| | 0.8- 1.0 amp | <0.8 amp | | | | 0.8- 1.0 amp | >1 amp | |
| Sample Site | Staurolite | Fayalite | Orthopyroxene | Chromite | Spinel | Goethite | Pyrite | Chalcopyrite |
| | % | % | % | % | % | % | % | % |
| 99-M-313 | Tr | 0 | 5.0 | 0 | 0 | 1.0 | Tr (~10 gr) | 0 |
| 99-M-314 | Tr | 0 | 3.0 | 0 | Tr | Tr | Tr (5 gr) | 0 |
| 99-M-315 | 2 | 0 | 2.0 | 0 | 1 | 1.0 | Tr (1 gr) | 0 |
| 99-M-316 | 1 | 0 | 6.0 | 0 | Tr | 2.0 | Tr (1 gr) | 0 |
| 99-M-317 | 1 | 0 | 5.0 | 0 | Tr | 1.0 | Tr (2 gr) | 0 |
| 99-M-319 | Tr | 0 | 1.0 | 0 | Tr | 4.0 | 0 | 0 |
| 99-M-320 | Tr | 0 | 8.0 | 0 | Tr | 1.0 | Tr (4 gr) | Tr (1 gr) |
| 99-M-324 | Tr | 0 | 5.0 | 0 | Tr | Tr | Tr (2 gr) | 0 |
| 99-M-326 | Tr | 0 | 3.0 | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-327 | Tr | 0 | 3.0 | Tr (1 gr; picked as KIM) | Tr | 1.0 | Tr (1 gr) | Tr (2 gr) |
| 99-M-329 | Tr | 0 | 7.0 | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-330 | Tr | 0 | 4.0 | Tr (1 gr; picked as KIM) | Tr | Tr | 0 | 0 |
| 99-M-331 | Tr | 0 | 3.0 | 0 | Tr | Tr | Tr (1 gr) | 0 |
| 99-M-332 | Tr | 0 | Tr | 0 | Tr | Tr | Tr (3 gr) | 0 |
| 99-M-334 | Tr | 0 | 1.0 | Tr (1 gr; picked as KIM) | Tr | 2.0 | Tr (1 gr) | 0 |
| 99-M-335 | Tr | 0 | 4.0 | Tr (1 gr; picked as KIM) | Tr | 2.0 | 0 | 0 |
| 99-M-338 | Tr | 0 | 1.0 | 0 | Tr | 1.0 | 0 | Tr (1 gr) |
| 99-M-339 | Tr | 0 | 4.0 | 0 | Tr | Tr | Tr (3 gr) | 0 |
| 99-M-341 | Tr | 0 | 4.0 | 0 | Tr | 3.0 | 0 | 0 |
| 99-M-342 | Tr | 0 | Tr | 0 | Tr | 1.0 | 0 | 0 |
| 99-M-343 | Tr | 0 | 3.0 | 0 | Tr | 4.0 | Tr (1 gr) | 0 |
| 99-M-344 | Tr | 0 | 3.0 | 0 | Tr | 2.0 | 0 | Tr (1 gr) |
| 99-M-345 | Tr | 0 | 7.0 | 0 | Tr | 3.0 | 0 | 0 |
| 99-M-346 | Tr | 0 | Tr | 0 | Tr | 2.0 | Tr (2 gr) | Tr (1 gr) |
| 99-M-347 | Tr | 0 | Tr | 0 | Tr | 2.0 | 0 | 0 |
| 99-M-349 | Tr | 0 | 3.0 | Tr (1 gr; picked as KIM) | Tr | 3.0 | 0 | 0 |
| 99-M-350 | Tr | 0 | 1.0 | 0 | Tr | 3.0 | Tr (2 gr) | Tr (6 gr) |
| 99-M-351 | Tr | 0 | 3.0 | 0 | Tr | 2.0 | 0 | 0 |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-2 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-3 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-4 | 0 | Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage. |
| 99-M-5 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-7 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.5-1.0 mm f |
| 99-M-8 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-9 | 0 | Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage. |
| 99-M-10 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-11 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-12 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-13 | 0 | Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage. |
| 99-M-14 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-15 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 2 pale blue-green gahnite versus spinel candidates = 2 spinel. |
| 99-M-16 | 0 | Hornblende-augite-almandine/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 7 blue sapphirine versus spinel candidates = 5 sapphirine and 2 spinel. |
| 99-M-17 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-18 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 pink spinel versus almandine candidate = 1 zircon. |
| 99-M-19 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-21 | 0 | Hornblende-almandine/epidote-titanite-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 dark blue spinel versus gahnite candidate = 1 spinel. |
| 99-M-25 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-26 | 0 | Hornblende-almandine-hematite/epidote-titanite assemblage. |
| 99-M-27 | 0 | Hornblende-almandine |
| 99-M-28 | 0 | Almandine-hornblende-hematite/epidote-titanite-diopside assemblage. |
| 99-M-29 | 0 | Almandine-hornblende-hematite/epidote-titanite-diopside assemblage. |
| 99-M-30 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus staurolite candidate = 1 |
| 99-M-31 | 0 | Almandine-hornblende/epidote-diopside assemblage. |
| 99-M-32 | 0 | Almandine-hornblende-hematite/epidote-titanite assemblage. |
| 99-M-33 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus diopside candidate = 1 gahnite. |
| 99-M-34 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fractioin: 1 grey spinel versus epidote candidate = 1 andalusite. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-35 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-36 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. |
| 99-M-39 | 0 | Almandine-hornblende-hematite/epidote  assemblage. |
| 99-M-40 | 0 | Hornblende-almandine-hematite/epidote-titanite  assemblage. |
| 99-M-41 | 0 | Hornblende-almandine-hematite/epidote-titanite assemblage. |
| 99-M-42 | 0 | Hornblende-almandine-hematite/epidote-titanite-diopside assemblage. |
| 99-M-43 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. |
| 99-M-44 | 0 | Almandine-hornblende-augite/epidote assemblage.  SEM checks from 0.25-0.5 mm fraction: 2 colourless spinel versus diopside candidates = 2 common spinel. |
| 99-M-45 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction: 1 pale blue spinel versus apatite candidate = 1 common spinel. |
| 99-M-46 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-47 | 0 | Hornblende-almandine-hematite/epidote-titanite  assemblage.  SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus epidote candidate = 1 common spinel. |
| 99-M-48 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage. |
| 99-M-49 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-50 | 0 | Hornblende-hematite-almandine/epidote-diopside-titanite assemblage. |
| 99-M-51 | 0 | Hornblende-ilmenite-almandine/epidote-diopside-titanite assemblage. |
| 99-M-52 | 0 | Hornblende-augite-almandine/epidote-titanite assemblage. |
| 99-M-53 | 0 | Almandine-hematite-hornblende/epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction:  1 colourless spinel versus topaz candidate = 1 spinel. |
| 99-M-54 | 0 | Hornblende-almandine-hematite/diopside-epidote-titanite assemblage. |
| 99-M-55 | 0 | Hornblende-hematite-almandine/epidote-diopside-titanite assemblage. |
| 99-M-56 | 0 | Almandine-hematite-hornblende/epidote-diopside-titanite assemblage. |
| 99-M-57 | 0 | Hornblende-hematite-almandine/epidote-diopside-titanite assemblage. |
| 99-M-59 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-63 | 0 | Hematite-almandine-hornblende/diopside-epidote assemblage.  SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-64 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction:  1 blue sapphire corundum versus spinel candidate = 1 sapphire corundum. |
| 99-M-65 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-66 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-67 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-68 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-69 | 0 | Hornblende-almandine/epidote-diopside assemblage.  Undersized concentrate. |
| 99-M-70 | 0 | Almandine-augite-hornblende/diopside assemblage. |
| 99-M-71 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-73 | 0 | Hornblende-hematite-almandine/epidote-diopside-titanite assemblage. |
| 99-M-74 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-75 | Tr arsenopyrite (1 gr) | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-76 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-77 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-78 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-79 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-80 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction:  1 pale purple spinel versus kyanite candidate = 1 spinel. |
| 99-M-81 | Tr bornite (1 gr) | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-82 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-83 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.  SEM checks from 0.25-0.5 mm fraction:  1 green gahnite versus spinel candidate = 1 gahnite; and 1 Mn-epidote versus apatite candidate = 1 apatite. |
| 99-M-84 | 0 | Hornblende-augite-hematite/epidote-diopside assemblage. |
| 99-M-85 | 0 | Hornblende-almandine-hematite/epidote-titanite-diopside assemblage. |
| 99-M-86 | 0 | Hornblende-almandine-hematite/epidote-titanite assemblage. |
| 99-M-87 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.  SEM check from 0.5-1.0 mm fraction:  1 red-orange spessartine versus almandine candidate = 1 almandine. |
| 99-M-89 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-90 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-91 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction:  1 colourless spinel versus quartz candidate = 1 spinel. |
| 99-M-93 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction:  1 green uvarovite versus Cr-grossular candidate = 1 Cr-andradite. |
| 99-M-94 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-95 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-97 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. |
| 99-M-98 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-100 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-101 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage.  SEM check from 0.25-0.5 mm fraction:  1 pale pink spinel versus almandine candidate = 1 ruby corundum. |
| 99-M-102 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-104 | 0 | Almandine-hornblende/epidote-diopside-titanite assemblage. |
| 99-M-105 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-106 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-107 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage.  SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 Mg-almandine. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-108 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 spinel. |
| 99-M-109 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.5-1.0 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. |
| 99-M-111 | 0 | Hornblende-almandine-hematite/epidote-titanite-diopside assemblage. |
| 99-M-112 | 0 | Hornblende-almandine-hematite/epidot |
| 99-M-113 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-114 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-115 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-116 | 0 | Almandine-hornblende-augite/epidote-diopside assemblage. |
| 99-M-118 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine; and 1 blue sapphire corundum versus kyanite candidate = 1 kyanite. |
| 99-M-121 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-123 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 gahnite versus pyroxene candidate = 1 diopside-hedenbergite. |
| 99-M-124 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. |
| 99-M-125 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage. |
| 99-M-126 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage. |
| 99-M-127 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. |
| 99-M-129 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-131 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-134 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. |
| 99-M-135 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside assemblage. |
| 99-M-136 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-139 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-140 | 0 | Hornblende-almandine-orthopyroxene/ epidote-diopside assemblage. |
| 99-M-142 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-145 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-146 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-147 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside assemblage. |
| 99-M-148 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-149 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-150 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-151 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-152 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-154 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-155 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside assemblage. |
| 99-M-156 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. |
| 99-M-157 | 0 | Hornblende-almandine-augite-ilmenite/ epidote-diopside-titanite assemblage. |
| 99-M-201 | 0 | Grunerite-almandine. |
| 99-M-202 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 hercynite. |
| 99-M-203 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-204 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-205 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-206 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-207 | 0 | Hornblende-hematite-almandine-augite/ epidote-diopside-titanite assemblage. |
| 99-M-208 | 0 | Almandine-hornblende-augite/epidote -diopside-titanite assemblage. |
| 99-M-209 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-210 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-211 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-212 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-213 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-214 | 0 | Grunerite-almandine-hornblende/epidote-diopside-titanite assemblage. |
| 99-M-215 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-217 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-218 | 0 | Hornblende-almandine-hematite/epidote -diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 3 spessartine versus almandine candidates = 3 almandine. |
| 99-M-219 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. |
| 99-M-220 | 0 | Hornblende-almandine-hematite/epidote -diopside-titanite assemblage. |
| 99-M-221 | 0 | Hornblende-almandine-hematite/epidote -diopside-pyrite assemblage. |
| 99-M-223 | 0 | Hornblende-almandine-hematite/diopside -epidote-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 almandine and 1 staurolite. |
| 99-M-224 | 0 | Hornblende-hematite-almandine/epidote -diopside-titanite assemblage. |
| 99-M-225 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. SEM check from 0.5-1.0 mm fraction: 1 spinel versus almandine candidate = 1 spinel. |
| 99-M-226 | 0 | Hornblende-almandine-hematite/epidote -diopside-titanite assemblage. |
| 99-M-227 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 2 spessartine versus almandine candidates = 2 spessartine. |
| 99-M-228 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside assemblage. |
| 99-M-229 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-230 | Tr arsenopyrite (1 gr) | Hornblende-almandine-augite-hematite/ epidote-diopside assemblage. |
| 99-M-233 | 0 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage. |
| 99-M-234 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-235 | 0 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-236 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. |
| 99-M-237 | 0 | Hornblende-almandine-augite-hematite/ epidote-titanite-diopside assemblage. |
| 99-M-238 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-239 | 0 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage. |
| 99-M-240 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-241 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-242 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-243 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-245 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-246 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-248 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine, 1 Mn-almandine and 2 almandine. |
| 99-M-249 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-250 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-251 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-252 | 0 | Almandine-hornblende-hematite/diopside-epidote-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 almandine. |
| 99-M-253 | 0 | Almandine-hornblende-he |
| 99-M-257 | 0 | Almandine-hornblende/epidote-diopside-titanite assemblage. SEM checks from 0.25-0.5 mm fraction: 3 green gahnite versus spinel candidates = 1 gahnite and 2 spinel; and 1 sapphire corundum candidate = 1 sapphire corundum. |
| 99-M-259 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-260 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-261 | 7% marcasite (~400 gr) | Almandine-hornblende-hematite-augite/ epidote-diopside-titanite assemblage. |
| 99-M-262 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage. |
| 99-M-263 | 0 | Almandine-hornblende/epidote-diopside assemblage. |
| 99-M-264 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-265 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-266 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. |
| 99-M-267 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel. |
| 99-M-268 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-269 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-271 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-272 | 0 | Almandine-hornblende/epidote-diopside-titanite assemblage. |
| 99-M-273 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-274 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-275 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage.  SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 2 spessartine and 2 almandine. |
| 99-M-276 | 0 | Almandine-hornblende/epidote-diopside-titanite assemblage. |
| 99-M-277 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage.  SEM check from 0.25-0.5 mm fraction:  1 red Mn-epidote versus monazite candidate = 1 monazite. |
| 99-M-278 | 0 | Hornblende-almandine/epidote-diopside assemblage.  SEM check from 0.25-0.5 mm fraction:  1 red Mn-epidote versus monazite candidate = 1 Mn-epidote. |
| 99-M-279 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-280 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-281 | 0 | Goethite-hornblende-almandine/epidote-diopside-titanite assemblage.  Goethite occurs mainly in schistose lithic grains which report to all paramagnetic and nonparamagnetic fractions. |
| 99-M-282 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-284 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-286 | 0 | Hornblende-almandine-ilmenite/epidote-diopside-titanite assemblage. |
| 99-M-287 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-288 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage.  SEM check from 0.25-0.5 mm fraction:  1 green spinel versus pyroxene candidate = 1 hedenbergite. |
| 99-M-289 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-290 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-291 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage.  SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-292 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. |
| 99-M-293 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-294 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-295 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-296 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-297 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-298 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage.  SEM checks from 0.25-0.5 mm fraction:  1 colourless spinel candidate = 1 spinel; and 1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-300 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-301 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-302 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-303 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-304 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-305 | 0 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite assemblage. |
| 99-M-306 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-307 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-308 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-309 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-310 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-311 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-312 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |

| Sample Site | Other | Remarks |
|---|---|---|
| 99-M-313 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-314 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-315 | 0 | Almandine-hornblende-hematite/epidote-diopside-titanite assemblage. |
| 99-M-316 | 0 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 dark green gahnite versus pyroxene candidate = 1 common spinel. |
| 99-M-317 | 0 | Almandine-hornblende/epidote-diopside-titanite assemblage. |
| 99-M-319 | 0 | Hornblende-almandine-ilmenite/epidote-diopside assemblage. |
| 99-M-320 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-324 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-326 | 0 | Hornblende-almandine/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 blue spinel versus sapphirine candidate = 1 spinel + quartz. |
| 99-M-327 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage. |
| 99-M-329 | 0 | Hornblende-almandine-augite/epidote-diopside assemblage. |
| 99-M-330 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-331 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-332 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-334 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-335 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-338 | 0 | Almandine-hornblende/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-339 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-341 | 0 | Hornblende-almandine/epidote-diopside assemblage. |
| 99-M-342 | 0 | Almandine-hornblende/epidote-diopside assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus pyroxene candidate = 1 augite. |
| 99-M-343 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel. |
| 99-M-344 | 0 | Hornblende-almandine-hematite/epidote-diopside-titanite assemblage. |
| 99-M-345 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |
| 99-M-346 | 0 | Almandine-hornblende/epidote-diopside assemblage. |
| 99-M-347 | 0 | Almandine-hornblende-hematite/epidote-diopside assemblage. |
| 99-M-349 | 0 | Hornblende-almandine-hematite/epidote-diopside assemblage. |
| 99-M-350 | 0 | Hornblende-almandine-augite/epidote-diopside-titanite assemblage. |
| 99-M-351 | 0 | Hornblende-almandine/epidote-diopside-titanite assemblage. |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-2 | 0.25-0.5 mm fraction: 1 chalcopyrite, 3 red rutile, 1 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-3 | 0.25-0.5 mm fraction: 2 red rutile | Hornblende-almandine/epidote-diopside |
| 99-M-4 | 0.25-0.5 mm fraction: 1 gahnite | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-5 | | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-7 | 0.5-1.0 mm fraction: 1 Mn-epidote, 0.25-0.5 mm fraction: 1 red rutile, 1 Mn-epidote, 2 apatite resembling Mn-epidote, 1 K-feldspar resembling Mn-epidote | Hornblende-almandine/epidote-diopside |
| 99-M-8 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-9 | 0.25-0.5 mm fraction: 1 chalcopyrite, 2 low-Cr diopside | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-10 | | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-11 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-12 | | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-13 | 0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 low-Cr diopside | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-14 | 0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 1 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-15 | 0.25-0.5 mm fraction: 2 spinel, 1 Mn-epidote, 1 ruby corundum (see KIM notes) | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-16 | 0.25-0.5 mm fraction: 2 chalcopyrite, 2 spinel, 5 sapphirine | Hornblende-augite-almandine/epidote-diopside-titanite |
| 99-M-17 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 sapphirine | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-18 | 0.25-0.5 mm fraction: 2 chalcopyrite, 1 spinel, 1 zircon resembling spinel, 2 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-19 | 0.5-1.0 mm fraction: 2 chalcopyrite, 0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-21 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel | Hornblende-almandine/epidote-titanite-diopside |
| 99-M-25 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-26 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-27 | 0.25-0.5 mm fraction: 1 Mn-epidote, 1 low-Cr diopside, 1 epidote resembling corundum, 1 atypical staurolite resembling tourmaline, 1 zircon resembling spinel, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-28 | 0.25-0.5 mm fraction: 4 spinel | Almandine-hornblende-hematite/epidote-titanite-diopside |
| 99-M-29 | | Almandine-hornblende-hematite/epidote-titanite-diopside |
| 99-M-30 | 0.5-1.0 mm fraction: 1 almandine resembling spessartine, 0.25-0.5 mm fraction: 1 chalcopyrite, 2 Mn-epidote, 1 leucosapphire corundum, 2 almandine resembling spinel, 2 hedenbergite resembling gahnite | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-31 | 0.5-1.0 mm fraction: 1 chalcopyrite, 0.25-0.5 mm fraction: 1 chalcopyrite | Almandine-hornblende/epidote-diopside |
| 99-M-32 | 0.25-0.5 mm fraction: 1 chalcopyrite | Almandine-hornblende-hematite/epidote-titanite |
| 99-M-33 | 0.25-0.5 mm fraction: 1 gahnite | Hornblende-almandine/epidote-diopside |
| 99-M-34 | 0.25-0.5 mm fraction: 1 andalusite | Hornblende-almandine/epidote-diopside |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-35 | | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-36 | 0.5-1.0 mm fraction: 1 pale green corundum (see KIM remarks), 0.25-0.5 mm fraction: 1 chromite (picked as KIM) | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-39 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 1 chromite picked as KIM) | Almandine-hornblende-hematite/epidote |
| 99-M-40 | | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-41 | | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-42 | 0.25-0.5 mm fraction: 1 ruby corundum (see KIM remarks) | Hornblende-almandine-hematite/epidote-titanite-diopside |
| 99-M-43 | 0.25-0.5 mm fraction: 1 red rutile, 2 spinel | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-44 | 0.25-0.5 mm fraction: 2 spinel | Almandine-hornblende-augite/epidote |
| 99-M-45 | 0.25-0.5 mm fraction: 1 spinel | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-46 | 0.25-0.5 mm fraction: 1 spinel | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-47 | 0.25-0.5 mm fraction: 1 spinel, 2 chromite (picked as KIMs) | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-48 | 0.25-0.5 mm fraction: 1 spinel | Hornblende-almandine-augite/epidote-diopside |
| 99-M-49 | | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-50 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-51 | 0.25-0.5 mm fraction: 2 spinel | Hornblende-ilmenite-almandine/epidote-diopside-titanite |
| 99-M-52 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-augite-almandine/epidote-titanite |
| 99-M-53 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 low-Cr diopside | Almandine-hematite-hornblende/epidote-diopside-titanite |
| 99-M-54 | 0.25-0.5 mm fraction: 1 chromite (picked as KIM) | Hornblende-almandine-hematite/diopside-epidote-titanite |
| 99-M-55 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 1 chromite (picked as KIM) | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-56 | 0.25-0.5 mm fraction: 3 red rutile, 1 Mn-epidote, 1 low-Cr diopside | Almandine-hematite-hornblende/epidote-diopside-titanite |
| 99-M-57 | 0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 1 red rutile, 1 low-Cr diopside | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-59 | 0.25-0.5 mm fraction: 1 spinel, 1 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-63 | 0.5-1.0 mm fraction: 2 chromite (picked as KIMs), 0.25-0.5 mm fraction: 1 chalcopyrite, 5 red rutile, 1 ruby corundum | Hematite-almandine-hornblende/diopside-epidote |
| 99-M-64 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 sapphire corundum | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-65 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 gahnite, 2 red rutile, 1 low-Cr diopside, 2 chromite (picked as KIMs) | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-66 | 0.5-1.0 mm fraction: 1 pale grey spinel, 0.25-0.5 mm fraction: 1 chalcopyrite, 2 spinel, 2 low-Cr diopside, 1 chromite (picked as KIM) | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-67 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-68 | 0.25-0.5 mm fraction: 1 chalcopyrite, 2 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-69 | 0.25-0.5 mm fraction: 1 spinel | Hornblende-almandine/epidote-diopside |
| 99-M-70 | 0.25-0.5 mm fraction: 2 red rutile, 2 chromite (picked as KIMs) | Almandine-augite-hornblende/diopside |
| 99-M-71 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 gahnite, 4 red rutile, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-73 | 0.25-0.5 mm fraction: 1 gahnite, 2 spinel, 3 red rutile, 1 low-Cr diopside | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-74 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-75 | 0.25-0.5 mm fraction: 1 arsenopyrite, 2 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-76 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 Mn-epidote, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-77 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-78 | 0.25-0.5 mm fraction: 2 red rutile, 1 ruby corundum | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-79 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-80 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-81 | 0.25-0.5 mm fraction: 1 bornite, 2 spinel, 3 red rutile, 2 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-82 | 0.25-0.5 mm fraction: 5 red rutile, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-83 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 3 red rutile, 2 Mn-epidote, 1 apatite resembling Mn-epidote, 1 sapphirine, 4 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-84 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile | Hornblende-augite-hematite/epidote-diopside |
| 99-M-85 | | Hornblende-almandine-hematite/epidote-titanite-diopside |
| 99-M-86 | 0.25-0.5 mm fraction: 2 gahnite, 3 spinel, 2 red rutile, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-87 | 0.5-1.0 mm fraction: 1 almandine resembling spessartine, 0.25-0.5 mm fraction: 2 spinel, 3 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-89 | 0.25-0.5 mm fraction: 1 spinel 1 ruby corundum, 3 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-90 | 0.25-0.5 mm fraction: 1 spinel | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-91 | 0.25-0.5 mm fraction: 1 spinel, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-93 | 0.25-0.5 mm fraction: 1 gahnite, 3 spinel, 3 red rutile, 1 Cr-andradite, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-94 | 0.5-1.0 mm fraction: 1 colourless spinel, 0.25-0.5 mm fraction: 1 red rutile, 1 ruby corundum | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-95 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-97 | 0.25-0.5 mm fraction: 2 spinel, 3 red rutile, 1 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-98 | 0.25-0.5 mm fraction: 7 red rutile, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-100 | 0.25-0.5 mm fraction: 1 spinel, 8 red rutile, 1 Mn-epidote, 3 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-101 | 0.25-0.5 mm fraction: 6 red rutile, 1 ruby corundum, 7 low-Cr diopside, 1 chromite (picked as KIM) | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-102 | 0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 4 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-104 | 0.5-1.0 mm fraction: 4 chromite (picked as KIMs), 0.25-0.5 mm fraction: 4 chalcopyrite, 1 red rutile, 2 low-Cr diopside, 20 representative chromite (picked as KIMs) | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-105 | 0.25-0.5 mm fraction: 3 spinel, 3 red rutile, 2 Mn-epidote, 1 ruby corundum, 4 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-106 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 3 red rutile, 1 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-107 | 0.25-0.5 mm fraction: 3 red rutile, 2 low-Cr diopside, 2 chromite (picked as KIMs), 1 Mg-almandine resembling ruby corundum | Hornblende-almandine-augite/epidote-diopside-titanite |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-108 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 2 spinel, 6 red rutile, 4 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-109 | 0.5-1.0 mm fraction: 1 chalcopyrite, 1 blue spinel, 1 chromite (picked as KIM), 1 almandine resembling ruby corundum, 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside, 1 almandine resembling ruby corundum | Hornblende-almandine/epidote-diopside |
| 99-M-111 | 0.25-0.5 mm fraction: 1 red rutile, 1 Mn-epidote, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-titanite-diopside |
| 99-M-112 | 0.25-0.5 mm fraction: 2 spinel, 1 red rutile, 1 ruby corundum, 2 andalusite, 6 low-Cr diopside, 3 chromite (picked as KIMs), 1 monazite resembling Mn-epidote | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-113 | 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-114 | 0.25-0.5 mm fraction: 1 Mn-epidote, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-115 | 0.25-0.5 mm fraction: 2 spinel, 2 low-Cr diopside | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-116 | 0.25-0.5 mm fraction: 1 chalcopyrite, 9 spinel, 1 red rutile, 3 low-Cr diopside | Almandine-hornblende-augite/epidote-diopside |
| 99-M-118 | 0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 1 low-Cr diopside, 1 almandine resembling ruby corundum, 1 kyanite resembling sapphire corundum | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-121 | 0.25-0.5 mm fraction: 3 gahnite, 2 spinel, 2 red rutile | Hornblende-almandine/epidote-diopside |
| 99-M-123 | 0.25-0.5 mm fraction: 5 red rutile, 1 Mn-epidote, 1 diopside-hedenbergite resembling gahnite | Hornblende-almandine/epidote-diopside |
| 99-M-124 | 0.25-0.5 mm fraction: 1 spinel, 4 red rutile, 2 ruby corundum, 1 almandine resembling ruby corundum, 3 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-125 | 0.25-0.5 mm fraction: 1 gahnite, 1 spinel, 5 red rutile, 3 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside |
| 99-M-126 | 0.25-0.5 mm fraction: 3 spinel, 4 red rutile, 3 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-augite/epidote-diopside |
| 99-M-127 | 0.25-0.5 mm fraction: 3 red rutile, 1 Mn-epidote, 2 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-129 | 0.25-0.5 mm fraction: 2 spinel, 6 red rutile, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-131 | 0.25-0.5 mm fraction: 1 spinel, 3 red rutile, 1 Mn-epidote, 1 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-134 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 chalcopyrite, 3 spinel, 5 red rutile, 1 low-Cr diopside, 3 chromite (picked as KIMs) | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-135 | 0.25-0.5 mm fraction: 1 spinel 4 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-136 | 0.25-0.5 mm fraction: 4 red rutile, 1 Mn-epidote, 1 ruby corundum (see KIM notes), 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-139 | 0.25-0.5 mm fraction: 1 spinel, 6 red rutile, 1 Mn-epidote, 2 low-Cr diopside, 5 chromite (picked as KIMs) | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-140 | 0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-orthopyroxene/ epidote-diopside |
| 99-M-142 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 3 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-145 | 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-146 | 0.25-0.5 mm fraction: 9 red rutile,1 Mn-epidote, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-147 | 0.25-0.5 mm fraction: 7 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-148 | 0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-149 | 0.25-0.5 mm fraction: 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-150 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-151 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 spinel, 3 red rutile, 1 sapphirine, 4 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-152 | 0.25-0.5 mm fraction: 3 spinel, 7 red rutile, 2 chromite (picked as KIMs) | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-154 | 0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-155 | 0.25-0.5 mm fraction: 1 spinel, 4 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-156 | 0.25-0.5 mm fraction: 3 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-157 | 0.25-0.5 mm fraction: 5 red rutile | Hornblende-almandine-augite-ilmenite/ epidote-diopside-titanite |
| 99-M-201 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 spinel, 1 ruby corundum, 1 low-Cr diopside, 1 grunerite (assemblage mineral; not a MMSIM) | Grunerite-almandine-hornblende-hematite/ epidote-diopside-titanite |
| 99-M-202 | 0.25-0.5 mm fraction: 1 hercynite | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-203 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-204 | 0.25-0.5 mm fraction: 1 spinel, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-205 | | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-206 | 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-207 | 0.25-0.5 mm fraction: 3 red rutile | Hornblende-hematite-almandine-augite/ epidote-diopside-titanite |
| 99-M-208 | 0.25-0.5 mm fraction: 2 low-Cr diopside | Almandine-hornblende-augite/epidote -diopside-titanite |
| 99-M-209 | | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-210 | 0.25-0.5 mm fraction: 3 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-211 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-212 | 0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-213 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-214 | 0.25-0.5 mm fraction: 2 low-Cr diopside | Grunerite-almandine-hornblende/epidote-diopside-titanite |
| 99-M-215 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-217 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 2 red rutile, 1 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-218 | 0.25-0.5 mm fraction: 1 low-Cr diopside, 3 almandine resembling spessartine | Hornblende-almandine-hematite/epidote -diopside-titanite |
| 99-M-219 | | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-220 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-hematite/epidote -diopside-titanite |
| 99-M-221 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine-hematite/epidote -diopside-pyrite |
| 99-M-223 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 red rutile, 2 low-Cr diopside, 3 almandine resembling spessartine, 1 staurolite resembling spessartine | Hornblende-almandine-hematite/diopside -epidote-titanite |
| 99-M-224 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-hematite-almandine/epidote -diopside-titanite |
| 99-M-225 | 0.5-1.0 mm fraction: 1 spinel, 0.25-0.5 mm fraction: 3 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-226 | 0.25-0.5 mm fraction: 2 low-Cr diopside | Hornblende-almandine-hematite/epidote -diopside-titanite |
| 99-M-227 | 0.25-0.5 mm fraction: 2 spessartine | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-228 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-229 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-230 | 0.25-0.5 mm fraction: 1 arsenopyrite, 1 spinel 4 red rutile | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-233 | 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-234 | | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-235 | 0.5-1.0 mm fraction: 1 chalcopyrite, 0.25-0.5 mm fraction: 7 chalcopyrite, 3 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-236 | 0.25-0.5 mm fraction: 1 chalcopyrite 1 red rutile 1 low-Cr diopside 1 chromite (picked as KIM) | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-237 | | Hornblende-almandine-augite-hematite/ epidote-titanite-diopside |
| 99-M-238 | 0.25-0.5 mm fraction: 2 red rutile, 2 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-239 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-240 | | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-241 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-242 | | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-243 | 0.25-0.5 mm fraction: 1 spinel, 3 red rutile, 1 Mn-epidote | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-245 | 0.25-0.5 mm fraction: 1 spinel, 6 red rutile, 1 Mn-epidote, 1 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-246 | 0.25-0.5 mm fraction: 1 chalcopyrite, 2 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-248 | 0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 spessartine, 3 almandine resembling spessartine | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-249 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-250 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-251 | | Hornblende-almandine/epidote-diopside |
| 99-M-252 | 0.25-0.5 mm fraction: 3 spessartine, 1 almandine resembling spessartine, 1 chromite (picked as KIM) | Almandine-hornblende-hematite/diopside-epidote-titanite |
| 99-M-253 | 0.5-1.0 mm fraction: 1 spessartine, 0.25-0.5 mm fraction: 3 spessartine, 1 Mn-almandine resembling spessartine, 3 chromite (picked as KIMs) | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-257 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 3 chalcopyrite, 1 gahnite, 4 spinel, 1 red rutile, 1 sapphire corundum, 3 low-Cr diopside | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-259 | 0.25-0.5 mm fraction: 1 chalcopyrite | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-260 | 0.25-0.5 mm fraction: 1 Mn-epidote | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-261 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 low-Cr diopside, 2 chromite (picked as KIMs) | Almandine-hornblende-hematite-augite/ epidote-diopside-titanite |
| 99-M-262 | 0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside |
| 99-M-263 | 0.25-0.5 mm fraction: 4 red rutile | Almandine-hornblende/epidote-diopside |
| 99-M-264 | 0.25-0.5 mm fraction: 2 spinel | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-265 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 2 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-266 | 0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-267 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-268 | | Hornblende-almandine/epidote-diopside |
| 99-M-269 | 0.25-0.5 mm fraction: 1 chalcopyrite | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-271 | 0.25-0.5 mm fraction: 1 red rutile, 1 chromite (picked as KIM) | Hornblende-almandine/epidote-diopside |
| 99-M-272 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 Mn-epidote, 2 chromite (picked as KIMs) | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-273 | 0.5-1.0 mm fraction: 1 low-Cr diopside, 0.25-0.5 mm fraction: 1 red rutile, 1 low-Cr diopside, 1 spessartine, 3 almandine resembling spessartine | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-274 | 0.25-0.5 mm fraction: 1 spessartine, 3 almandine resembling spessartine | Hornblende-almandine/epidote-diopside |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-275 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 2 spessartine, 2 almandine resembling spessartine | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-276 | 0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-277 | 0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside, 1 monazite resembling Mn-epidote | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-278 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 1 Mn-epidote, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-279 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-280 | 0.25-0.5 mm fraction: 3 red rutile | Hornblende-almandine/epidote-diopside |
| 99-M-281 | 0.25-0.5 mm fraction: 2 red rutile | Goethite-hornblende-almandine/epidote-diopside-titanite |
| 99-M-282 | 0.25-0.5 mm fraction: 2 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-284 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile, 2 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-286 | 0.25-0.5 mm fraction: 3 spinel, 2 red rutile, 1 low-Cr diopside | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-287 | 0.25-0.5 mm fraction: 1 low-Cr diopside | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-288 | 0.25-0.5 mm fraction: 1 chalcopyrite, 4 red rutile, 1 low-Cr diopside, 1 hedenbergite resembling spinel | Hornblende-almandine-augite/epidote-diopside |
| 99-M-289 | 0.25-0.5 mm fraction: 3 red rutile | Hornblende-almandine/epidote-diopside |
| 99-M-290 | 0.25-0.5 mm fraction: 1 chalcopyrite, 3 red rutile, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-291 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spessartine, 3 almandine resembling spessartine | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-292 | 0.25-0.5 mm fraction: 2 spinel, 1 low-Cr diopside | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-293 | 0.25-0.5 mm fraction: 3 red rutile, 1 low-Cr diopside | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-294 | 0.25-0.5 mm fraction: 1 spinel, 1 low-Cr diopside, 2 chromite (picked as KIMs) | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-295 | 0.25-0.5 mm fraction: 2 spinel, 2 red rutile, 4 low-Cr diopside | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-296 | 0.25-0.5 mm fraction: 5 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-297 | 0.25-0.5 mm fraction: 1 spinel | Hornblende-almandine/epidote-diopside |
| 99-M-298 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 3 red rutile, 1 ruby corundum, 2 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-300 | 0.25-0.5 mm fraction: 1 chalcopyrite | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-301 | | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-302 | 0.25-0.5 mm fraction: 2 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-303 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-304 | 0.25-0.5 mm fraction: 1 spinel, 2 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-305 | 0.5-1.0 mm fraction: 1 Mn-epidote, 0.25-0.5 mm fraction: 2 spinel | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-306 | 0.25-0.5 mm fraction: 2 chalcopyrite, 1 gahnite, 1 spinel, 2 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-307 | | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-308 | 0.25-0.5 mm fraction: 3 chromite (picked as KIMs) | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-309 | 0.5-1.0 mm fraction: 1 chromite (picked as KIM), 0.25-0.5 mm fraction: 1 chromite (picked as KIM) | Hornblende-almandine/epidote-diopside |
| 99-M-310 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-311 | 0.25-0.5 mm fraction: 1 red rutile | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-312 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile, 3 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside-titanite |

| Sample Site | Picked Grains | Mineral Assemblage |
|---|---|---|
| 99-M-313 | | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-314 | 0.25-0.5 mm fraction: 1 spinel, 2 red rutile, 1 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-315 | 0.25-0.5 mm fraction: 1 red rutile | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-316 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-317 | | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-319 | 0.25-0.5 mm fraction: 4 red rutile, 1 low-Cr diopside | Hornblende-almandine-ilmenite/epidote-diopside |
| 99-M-320 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-324 | 0.25-0.5 mm fraction: 2 red rutile | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-326 | 0.25-0.5 mm fraction: 1 spinel + quartz, 3 red rutile, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside |
| 99-M-327 | 0.25-0.5 mm fraction: 2 chalcopyrite, 1 spinel, 2 red rutile, 1 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-augite/epidote-diopside |
| 99-M-329 | 0.25-0.5 mm fraction: 1 Mn-epidote, 2 low-Cr diopside | Hornblende-almandine-augite/epidote-diopside |
| 99-M-330 | 0.25-0.5 mm fraction: 4 red rutile, 1 chromite (picked as KIM) | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-331 | 0.25-0.5 mm fraction: 1 spinel, 1 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-332 | 0.25-0.5 mm fraction: 2 red rutile, 1 low-Cr diopside | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-334 | 0.25-0.5 mm fraction: 1 spinel, 5 red rutile, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-335 | 0.25-0.5 mm fraction: 1 spinel, 12 red rutile, 1 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-338 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 spinel, 3 red rutile, 1 ruby corundum, 1 low-Cr diopside | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-339 | 0.25-0.5 mm fraction: 3 spinel, 1 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-341 | 0.25-0.5 mm fraction: 2 red rutile | Hornblende-almandine/epidote-diopside |
| 99-M-342 | 0.25-0.5 mm fraction: 2 red rutile, 1 augite resembling gahnite | Almandine-hornblende/epidote-diopside |
| 99-M-343 | 0.25-0.5 mm fraction: 3 spinel, 5 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-344 | 0.25-0.5 mm fraction: 1 chalcopyrite, 1 red rutile | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-345 | 0.25-0.5 mm fraction: 3 red rutile | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-346 | 0.25-0.5 mm fraction: 1 chalcopyrite, 3 red rutile | Almandine-hornblende/epidote-diopside |
| 99-M-347 | 0.25-0.5 mm fraction: 2 spinel, 1 red rutile | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-349 | 0.25-0.5 mm fraction: 1 red rutile, 1 ruby corundum, 1 low-Cr diopside, 1 chromite (picked as KIM) | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-350 | 0.5-1.0 mm fraction: 1 chalcopyrite, 0.25-0.5 mm fraction: 6 chalcopyrite | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-351 | | Hornblende-almandine/epidote-diopside-titanite |

| Sample Site | Remarks |
|---|---|
| 99-M-2 | |
| 99-M-3 | |
| 99-M-4 | |
| 99-M-5 | |
| 99-M-7 | |
| 99-M-8 | |
| 99-M-9 | |
| 99-M-10 | |
| 99-M-11 | |
| 99-M-12 | |
| 99-M-13 | |
| 99-M-14 | |
| 99-M-15 | SEM checks from 0.25-0.5 mm fraction: 2 pale blue-green gahnite versus spinel candidates = 2 spinel. |
| 99-M-16 | SEM checks from 0.25-0.5 mm fraction: 7 blue sapphirine versus spinel candidates = 5 sapphirine and 2 spinel. |
| 99-M-17 | |
| 99-M-18 | SEM check from 0.25-0.5 mm fraction: 1 pink spinel versus almandine candidate = 1 zircon. |
| 99-M-19 | |
| 99-M-21 | SEM check from 0.25-0.5 mm fraction: 1 dark blue spinel versus gahnite candidate = 1 spinel. |
| 99-M-25 | |
| 99-M-26 | |
| 99-M-27 | SEM checks from 0.25-0.5 mm fraction: 1 grey corundum versus epidote candidate = 1 epidote; 1 brown dravite tourmaline versus staurolite candidate = 1 staurolite; and 1 pink spinel versus zircon candidate = 1 zircon. |
| 99-M-28 | |
| 99-M-29 | |
| 99-M-30 | SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus staurolite candidate = 1 |
| 99-M-31 | |
| 99-M-32 | |
| 99-M-33 | SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus diopside candidate = 1 gahnite. |
| 99-M-34 | SEM check from 0.25-0.5 mm fractioin: 1 grey spinel versus epidote candidate = 1 andalusite. |

| Sample Site | Remarks |
|---|---|
| 99-M-35 | |
| 99-M-36 | |
| 99-M-39 | |
| 99-M-40 | |
| 99-M-41 | |
| 99-M-42 | |
| 99-M-43 | |
| 99-M-44 | SEM checks from 0.25-0.5 mm fraction: 2 colourless spinel versus diopside candidates = 2 common spinel. |
| 99-M-45 | SEM check from 0.25-0.5 mm fraction: 1 pale blue spinel versus apatite candidate = 1 common spinel. |
| 99-M-46 | |
| 99-M-47 | SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus epidote candidate = 1 common spinel. |
| 99-M-48 | |
| 99-M-49 | |
| 99-M-50 | |
| 99-M-51 | |
| 99-M-52 | |
| 99-M-53 | SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus topaz candidate = 1 spinel. |
| 99-M-54 | |
| 99-M-55 | |
| 99-M-56 | |
| 99-M-57 | |
| 99-M-59 | |
| 99-M-63 | SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-64 | SEM check from 0.25-0.5 mm fraction: 1 blue sapphire corundum versus spinel candidate = 1 sapphire corundum. |
| 99-M-65 | |
| 99-M-66 | |
| 99-M-67 | |
| 99-M-68 | |
| 99-M-69 | Undersized concentrate. |
| 99-M-70 | |
| 99-M-71 | |
| 99-M-73 | |
| 99-M-74 | |
| 99-M-75 | |

| Sample Site | Remarks |
| --- | --- |
| 99-M-76 | |
| 99-M-77 | |
| 99-M-78 | |
| 99-M-79 | |
| 99-M-80 | SEM check from 0.25-0.5 mm fraction:  1 pale purple spinel versus kyanite candidate = 1 spinel. |
| 99-M-81 | |
| 99-M-82 | |
| 99-M-83 | SEM checks from 0.25-0.5 mm fraction:  1 green gahnite versus spinel candidate = 1 gahnite; and 1 Mn-epidote versus apatite candidate = 1 apatite. |
| 99-M-84 | |
| 99-M-85 | |
| 99-M-86 | |
| 99-M-87 | SEM check from 0.5-1.0 mm fraction:  1 red-orange spessartine versus almandine candidate = 1 almandine. |
| 99-M-89 | |
| 99-M-90 | |
| 99-M-91 | SEM check from 0.25-0.5 mm fraction:  1 colourless spinel versus quartz candidate = 1 spinel. |
| 99-M-93 | SEM check from 0.25-0.5 mm fraction:  1 green uvarovite versus Cr-grossular candidate = 1 Cr-andradite. |
| 99-M-94 | |
| 99-M-95 | |
| 99-M-97 | |
| 99-M-98 | |
| 99-M-100 | |
| 99-M-101 | SEM check from 0.25-0.5 mm fraction:  1 pale pink spinel versus almandine candidate = 1 ruby corundum. |
| 99-M-102 | |
| 99-M-104 | |
| 99-M-105 | |
| 99-M-106 | |
| 99-M-107 | SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 Mg-almandine. |

| Sample Site | Remarks |
| --- | --- |
| 99-M-108 | SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 spinel. |
| 99-M-109 | SEM check from 0.5-1.0 mm fraction:  1 ruby corundum versus almandine candidate = 1 almandine.  SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 almandine. |
| 99-M-111 | |
| 99-M-112 | SEM checks from 0.25-0.5 mm fraction:  2 gahnite versus spinel candidates = 2 spinel;  3 ruby corundum versus almandine candidates = 1 ruby corundum and 2 andalusite; and 1 Mn-epidote versus monazite candidate = 1 monazite. |
| 99-M-113 | |
| 99-M-114 | |
| 99-M-115 | |
| 99-M-116 | |
| 99-M-118 | SEM checks from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine; and 1 blue sapphire corundum versus kyanite candidate = 1 kyanite. |
| 99-M-121 | |
| 99-M-123 | SEM check from 0.25-0.5 mm fraction:  1 gahnite versus pyroxene candidate = 1 diopside-hedenbergite. |
| 99-M-124 | SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. |
| 99-M-125 | |
| 99-M-126 | |
| 99-M-127 | |
| 99-M-129 | |
| 99-M-131 | |
| 99-M-134 | |
| 99-M-135 | |
| 99-M-136 | |
| 99-M-139 | |
| 99-M-140 | |
| 99-M-142 | |
| 99-M-145 | |
| 99-M-146 | |
| 99-M-147 | |
| 99-M-148 | |
| 99-M-149 | |

| Sample Site | Remarks |
|---|---|
| 99-M-150 | |
| 99-M-151 | |
| 99-M-152 | |
| 99-M-154 | |
| 99-M-155 | |
| 99-M-156 | |
| 99-M-157 | |
| 99-M-201 | SEM check from 0.25-0.5 mm fraction: 1 fibrous augite versus amphibole candidate = 1 Fe-silicate (grunerite). 1% finely crystalline pyrite (± grunerite) in <0.6 amp fraction of 0.25-0.5 mm. |
| 99-M-202 | SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 hercynite. |
| 99-M-203 | |
| 99-M-204 | |
| 99-M-205 | |
| 99-M-206 | |
| 99-M-207 | |
| 99-M-208 | |
| 99-M-209 | |
| 99-M-210 | |
| 99-M-211 | |
| 99-M-212 | |
| 99-M-213 | |
| 99-M-214 | |
| 99-M-215 | |
| 99-M-217 | |
| 99-M-218 | SEM checks from 0.25-0.5 mm fraction: 3 spessartine versus almandine candidates = 3 almandine. |
| 99-M-219 | |
| 99-M-220 | |
| 99-M-221 | |
| 99-M-223 | SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 almandine and 1 staurolite. |
| 99-M-224 | |
| 99-M-225 | SEM check from 0.5-1.0 mm fraction: 1 spinel versus almandine candidate = 1 spinel. |
| 99-M-226 | |
| 99-M-227 | SEM checks from 0.25-0.5 mm fraction: 2 spessartine versus almandine candidates = 2 spessartine. |
| 99-M-228 | |
| 99-M-229 | |
| 99-M-230 | |
| 99-M-233 | |
| 99-M-234 | |
| 99-M-235 | |

| Sample Site | Remarks |
|---|---|
| 99-M-236 | |
| 99-M-237 | |
| 99-M-238 | |
| 99-M-239 | |
| 99-M-240 | |
| 99-M-241 | |
| 99-M-242 | |
| 99-M-243 | |
| 99-M-245 | |
| 99-M-246 | |
| 99-M-248 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine, 1 Mn-almandine and 2 almandine. |
| 99-M-249 | |
| 99-M-250 | |
| 99-M-251 | |
| 99-M-252 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 3 spessartine and 1 almandine. |
| 99-M-253 | SEM check from 0.5-1.0 mm fraction: 1 spessartine versus almandine candidate = 1 spessartine.  SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 Mn-almandine. |
| 99-M-257 | SEM checks from 0.25-0.5 mm fraction:  3 green gahnite versus spinel candidates = 1 gahnite and 2 spinel; and 1 sapphire corundum candidate = 1 sapphire corundum. |
| 99-M-259 | |
| 99-M-260 | |
| 99-M-261 | |
| 99-M-262 | |
| 99-M-263 | |
| 99-M-264 | |
| 99-M-265 | |
| 99-M-266 | |
| 99-M-267 | SEM check from 0.25-0.5 mm fraction:  1 green gahnite versus spinel candidate = 1 spinel. |
| 99-M-268 | |
| 99-M-269 | |
| 99-M-271 | |
| 99-M-272 | |
| 99-M-273 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-274 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |

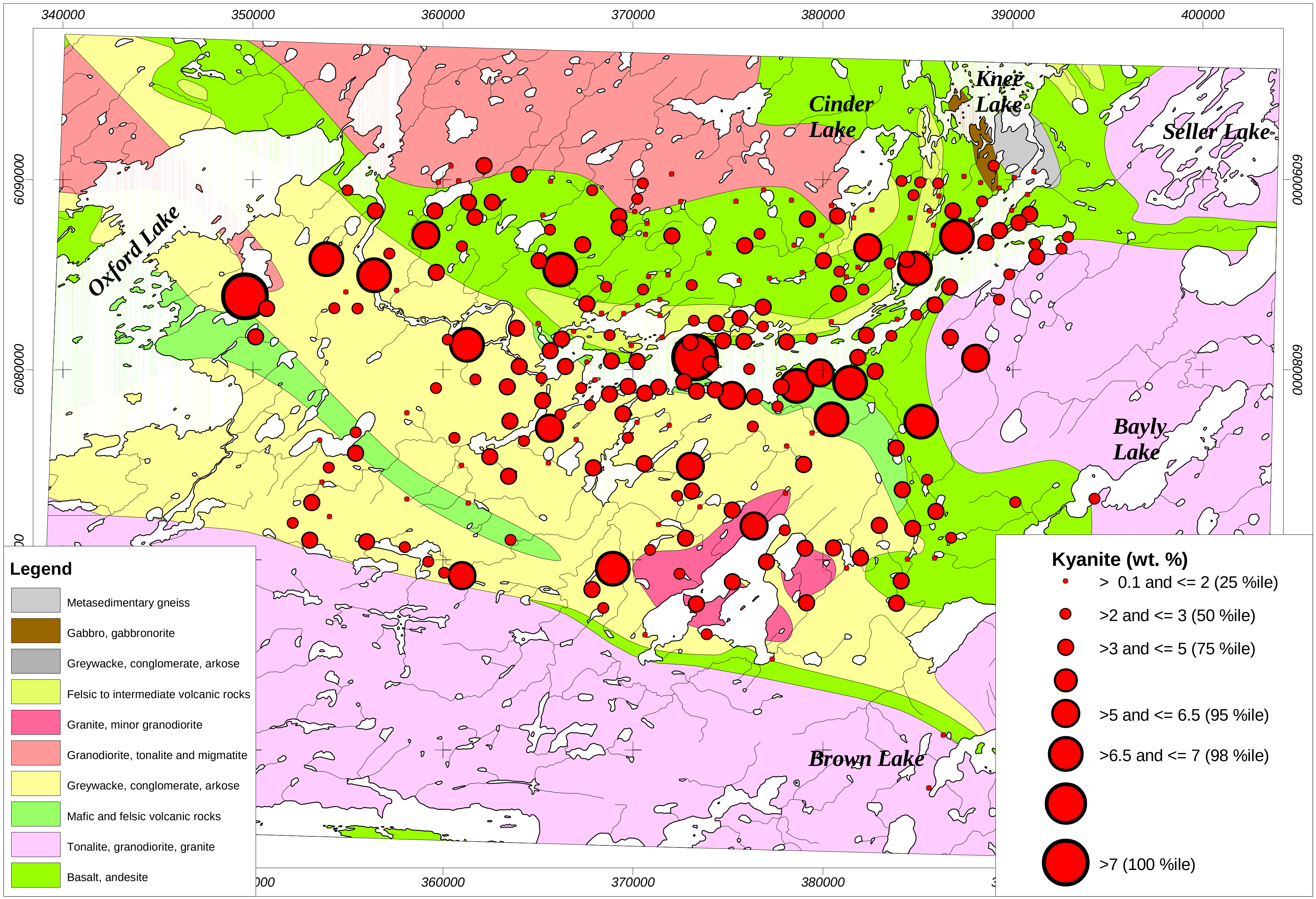
| Sample Site | Remarks |
|---|---|
| 99-M-275 | SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 2 spessartine and 2 almandine. |
| 99-M-276 | |
| 99-M-277 | SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 monazite. |
| 99-M-278 | SEM check from 0.25-0.5 mm fraction: 1 red Mn-epidote versus monazite candidate = 1 Mn-epidote. |
| 99-M-279 | |
| 99-M-280 | |
| 99-M-281 | Goethite occurs mainly in schistose lithic grains which report to all paramagnetic and nonparamagnetic fractions. |
| 99-M-282 | |
| 99-M-284 | |
| 99-M-286 | |
| 99-M-287 | |
| 99-M-288 | SEM check from 0.25-0.5 mm fraction: 1 green spinel versus pyroxene candidate = 1 hedenbergite. |
| 99-M-289 | |
| 99-M-290 | |
| 99-M-291 | SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-292 | |
| 99-M-293 | |
| 99-M-294 | |
| 99-M-295 | |
| 99-M-296 | |
| 99-M-297 | |
| 99-M-298 | SEM checks from 0.25-0.5 mm fraction: 1 colourless spinel candidate = 1 spinel; and 1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-300 | |
| 99-M-301 | |
| 99-M-302 | |
| 99-M-303 | |
| 99-M-304 | |
| 99-M-305 | |
| 99-M-306 | |
| 99-M-307 | |
| 99-M-308 | |
| 99-M-309 | |
| 99-M-310 | |
| 99-M-311 | |
| 99-M-312 | |

| Sample Site | Remarks |
|---|---|
| 99-M-313 | |
| 99-M-314 | |
| 99-M-315 | |
| 99-M-316 | SEM check from 0.25-0.5 mm fraction: 1 dark green gahnite versus pyroxene candidate = 1 common spinel. |
| 99-M-317 | |
| 99-M-319 | |
| 99-M-320 | |
| 99-M-324 | |
| 99-M-326 | SEM check from 0.25-0.5 mm fraction: 1 blue spinel versus sapphirine candidate = 1 spinel + quartz. |
| 99-M-327 | |
| 99-M-329 | |
| 99-M-330 | |
| 99-M-331 | |
| 99-M-332 | |
| 99-M-334 | |
| 99-M-335 | |
| 99-M-338 | SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-339 | |
| 99-M-341 | |
| 99-M-342 | SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus pyroxene candidate = 1 augite. |
| 99-M-343 | SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 spinel. |
| 99-M-344 | |
| 99-M-345 | |
| 99-M-346 | |
| 99-M-347 | |
| 99-M-349 | |
| 99-M-350 | |
| 99-M-351 | |

Appendix M-6: Percentile Bubble Plots For Metamorphosed Massive Sulphide and Magmatic Sulphide Indicator Minerals.



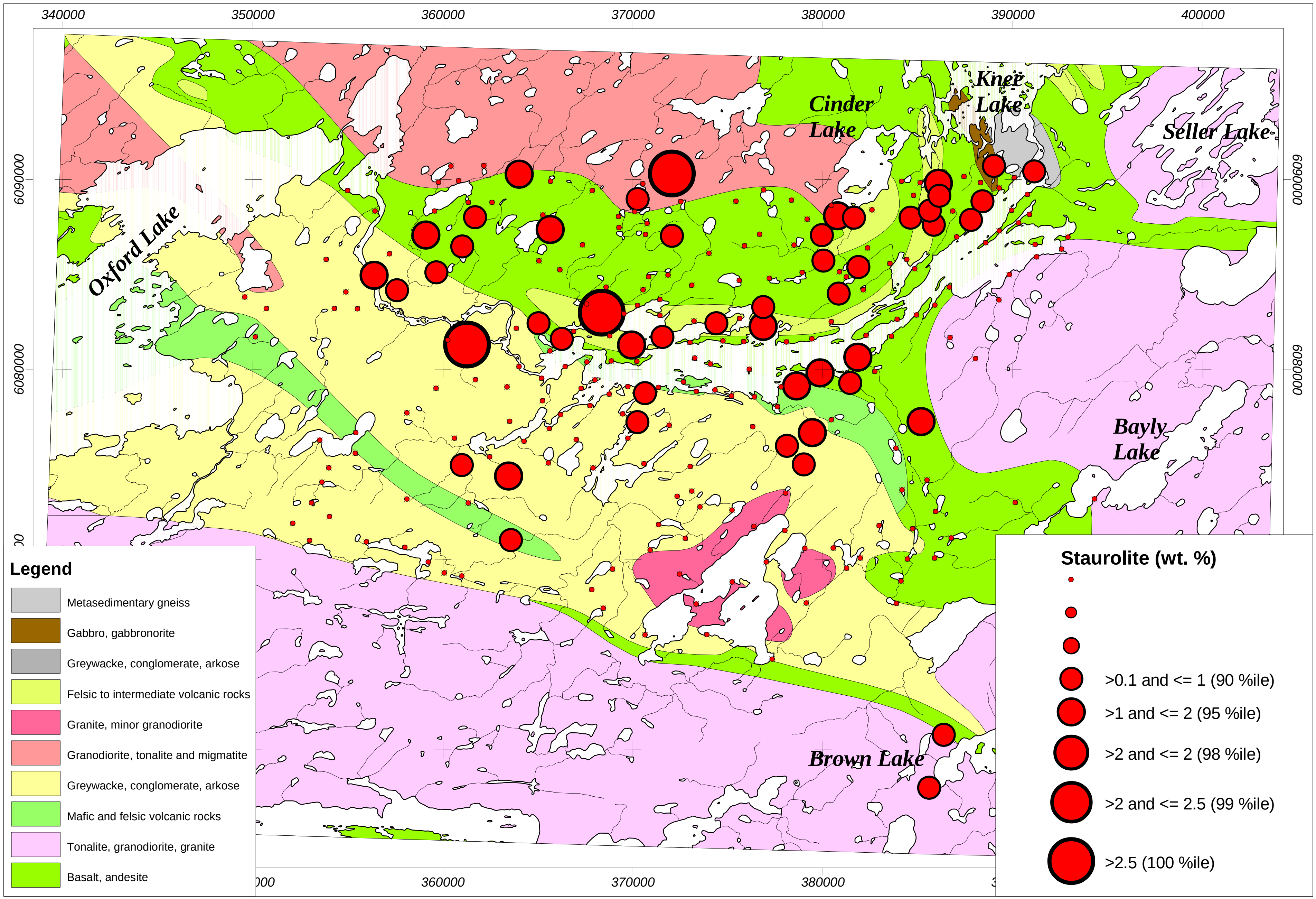
**CONTENTS**




MENU

**Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples**

Appendix M-6-1



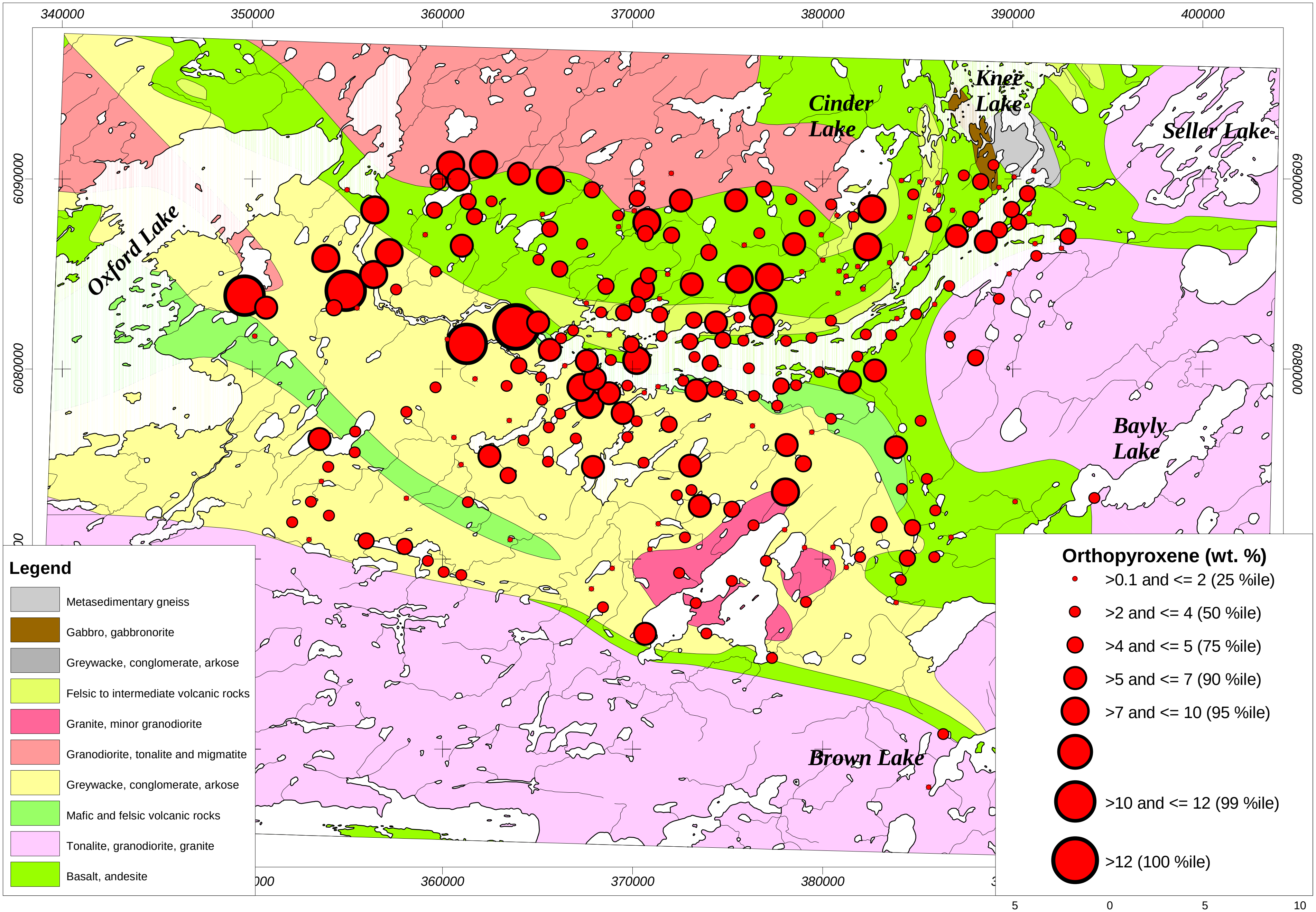

5 0 5 10

Kilometres

**Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples**

MENU

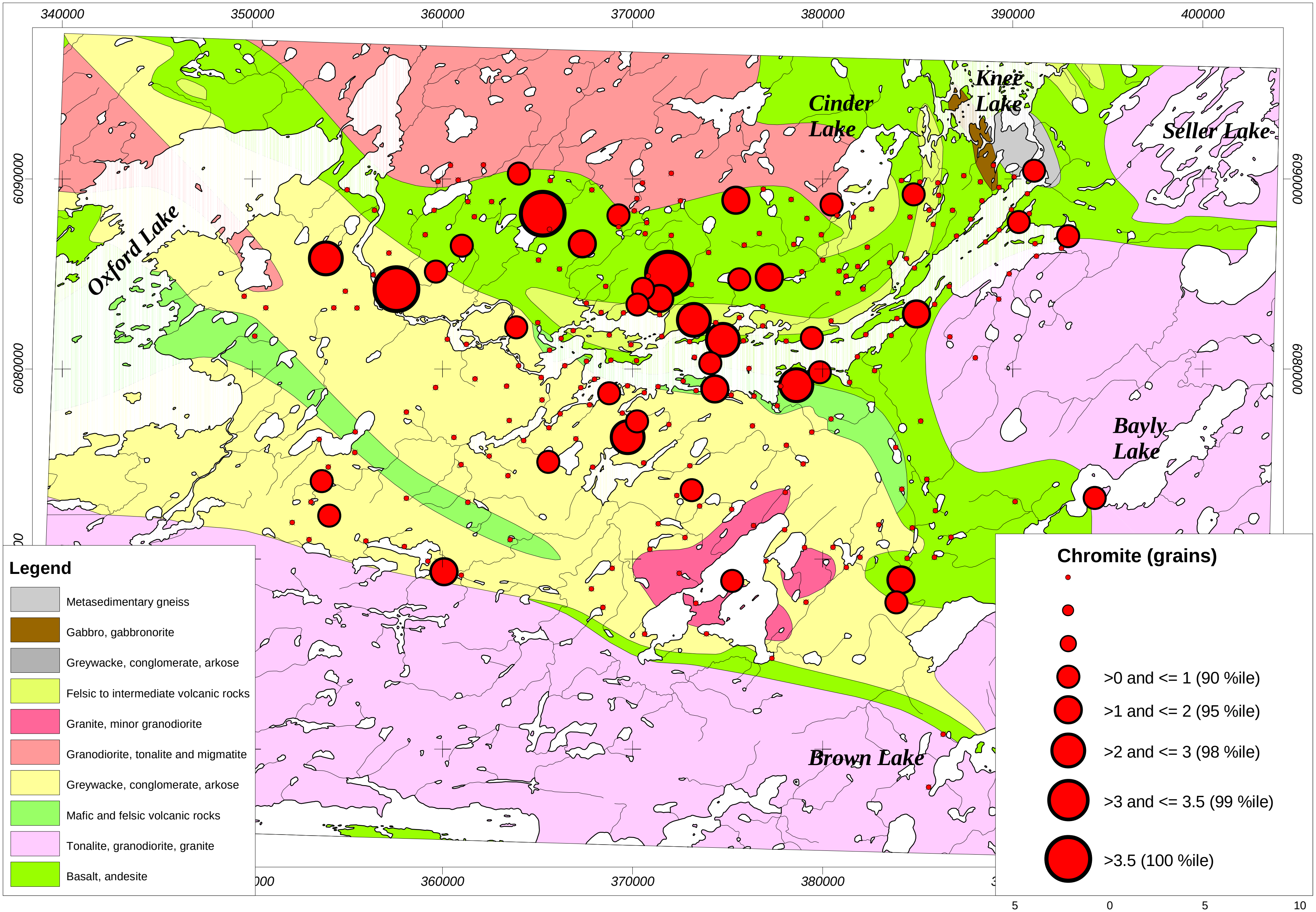
Appendix M-6-2




**MENU**

**Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples**

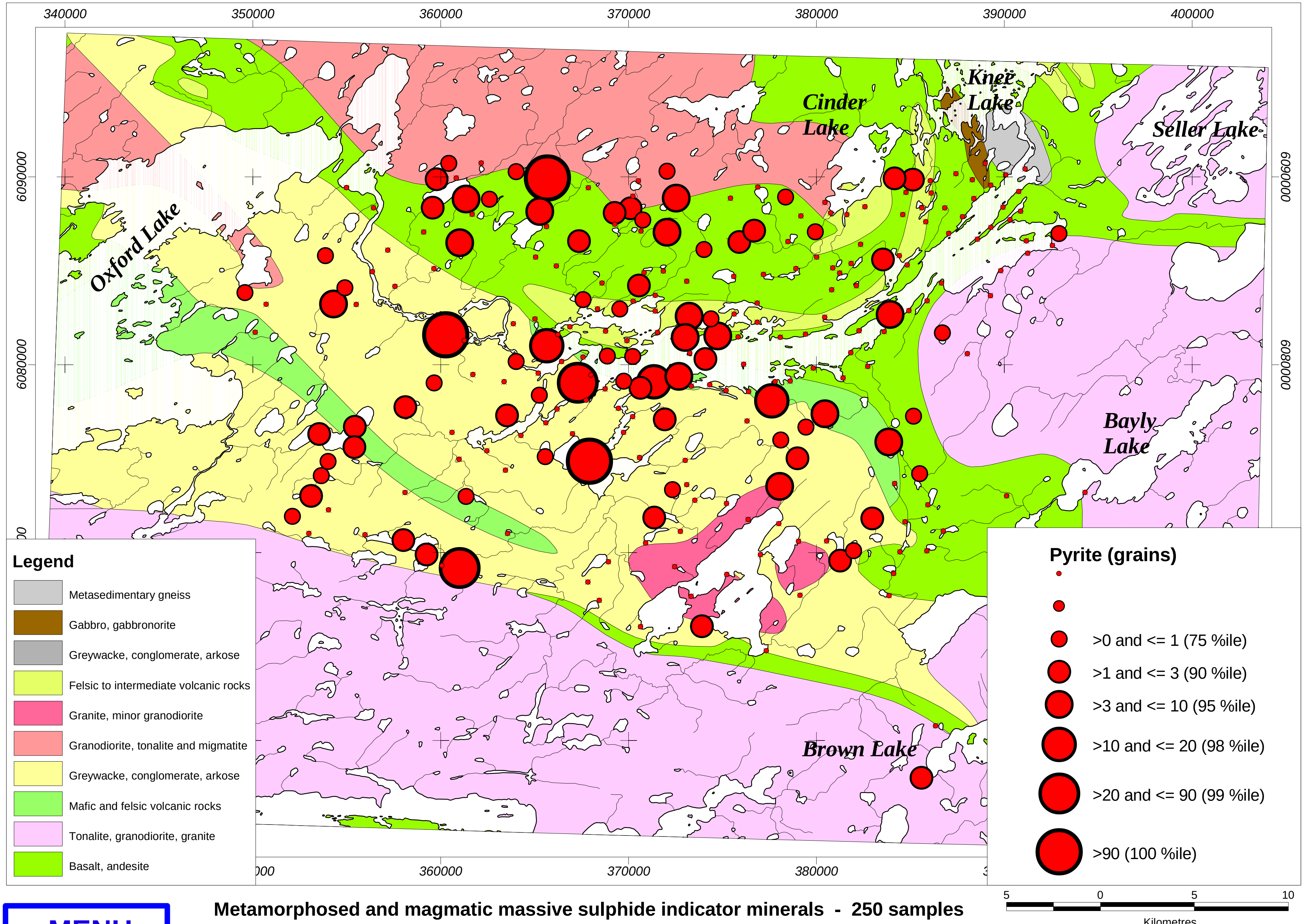
Appendix M-6-3




MENU

**Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples**

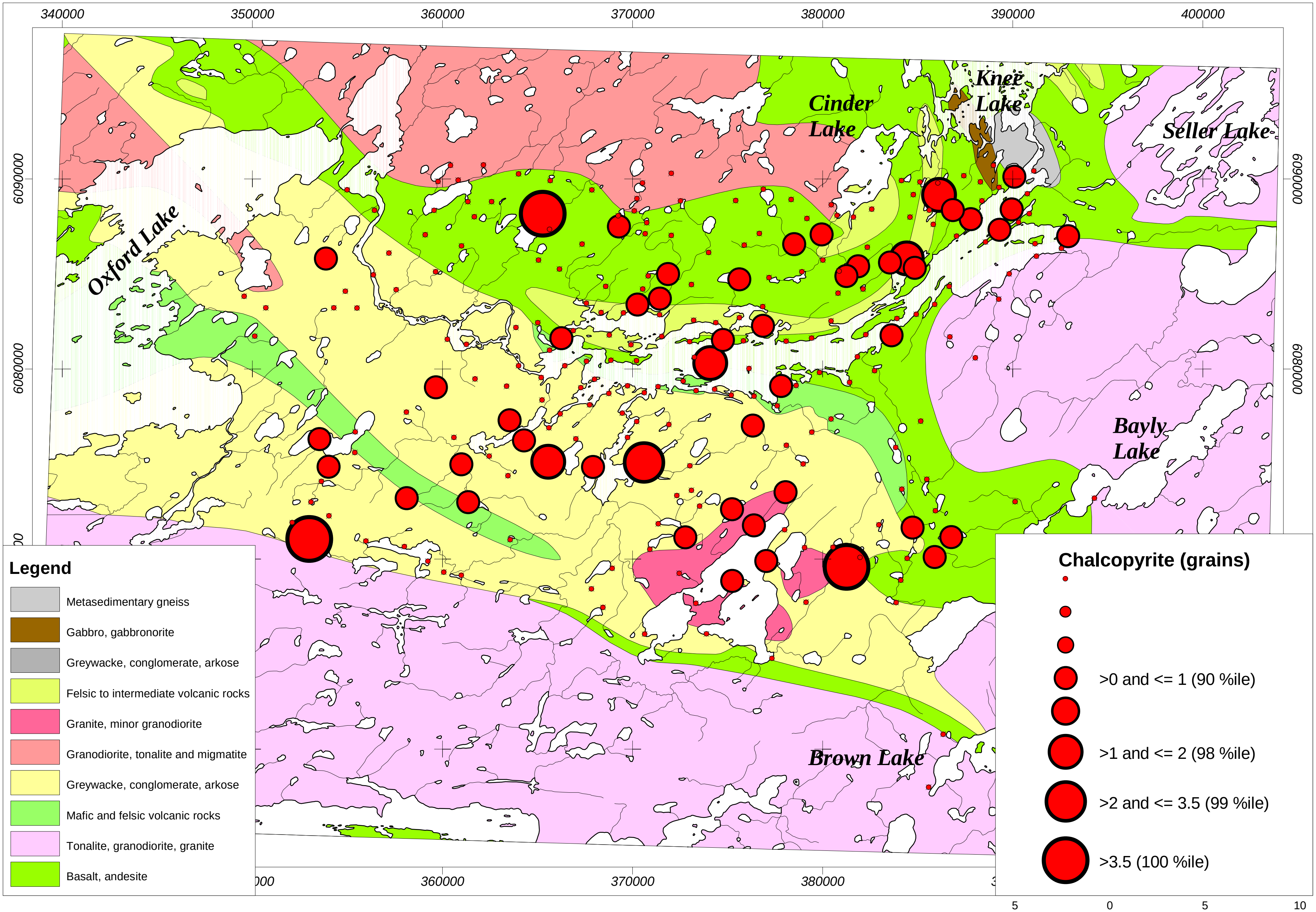
Appendix M-6-4




**Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples**

MENU

Appendix M-6-5




MENU

**Metamorphosed and magmatic massive sulphide indicator minerals - 250 samples**

Appendix M-6-6

## GOLD GRAINS (OVERBURDEN DRILLING MANAGEMENT LTD.)

Gold grain assessments were undertaken along with MMSIM and KIM mineralogical studies on the 1999 survey samples from the southern half of the Knee Lake greenstone belt. The physical characteristics of the observed gold grains, including grain sizes and morphology are presented in Appendix G-7 and gold grain classification and parts per billion gold assays based on the relative proportion of gold in a sample are given in Appendix G-8. A summary table comprising all information generated for the till mineralogical surveys undertaken at Overburden Drilling Management Ltd. is presented in Appendix G-9. Bubble plots depicting the distribution of gold grains in the 1999 survey area are in Appendix G-10 and percentile bubble plots for calculated parts per billion gold in the 1999 samples are in Appendix G-11.

### Results

The abundances of gold grains in the 1999 survey samples are low with a range of one to five grains. Each of three sites (213, 263 and 351) that occur south of the west end of Knee Lake contain five gold grains. This is not considered to be significant. The limited range of gold grains is interpreted to reflect gold grain 'background' rather than any significant bedrock-related feature. This result is somewhat surprising given the presence of the SKSZ, a transpressional shear zone, and the presence of a number of gold occurrences in the 1999 survey area. Additionally, all gold grains identified in this year's survey samples are classified as 'reshaped' indicating modification of gold grain shapes as a result of long (>1 km) transport distances.

The calculated gold abundances indicate the presence of two 100$^{th}$ percentiles (>196 ppb) at site 46 near the eastern portion of the survey area and at site 84 north of the northern margin of the belt. Site 83, adjacent to site 84 is marked by a 98$^{th}$ percentile gold analysis. A 99$^{th}$ percentile response occurs south of the west end of Knee Lake. These calculated responses are interpreted to be insignificant.

There are no indications of dispersion trains in the gold grain data, however, the sample spacing may be unsuitable to define point source fans since most trains associated with significant gold mineralization have been documented to be in the order of 1 km in length.

Appendix G-7

# Gold Grains - Physical Characteristics and Parts Per Billion Based on Visible Gold Grain Counts.

| Process Order | Sample Site | Number of Visible Gold Grains Total | Reshaped | Modified | Pristine | Non-Magnetic Weight | Calculated PPB Visible Gold Total | Reshaped | Modified | Pristine |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 99-M-2 | 2 | 2 | 0 | 0 | 16.2 | 3 | 3 | 0 | 0 |
| 2 | 99-M-3 | 0 | 0 | 0 | 0 | 17.4 | 0 | 0 | 0 | 0 |
| 3 | 99-M-4 | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | 0 | 0 |
| 4 | 99-M-5 | 0 | 0 | 0 | 0 | 10.4 | 0 | 0 | 0 | 0 |
| 5 | 99-M-7 | 2 | 2 | 0 | 0 | 27.6 | 20 | 20 | 0 | 0 |
| 6 | 99-M-8 | 3 | 2 | 1 | 0 | 14.7 | 11 | 6 | 6 | 0 |
| 7 | 99-M-9 | 1 | 1 | 0 | 0 | 12.7 | 6 | 6 | 0 | 0 |
| 8 | 99-M-10 | 4 | 4 | 0 | 0 | 7.7 | 98 | 98 | 0 | 0 |
| 9 | 99-M-11 | 0 | 0 | 0 | 0 | 15.3 | 0 | 0 | 0 | 0 |
| 10 | 99-M-12 | 2 | 2 | 0 | 0 | 9.7 | 21 | 21 | 0 | 0 |
| 11 | 99-M-13 | 0 | 0 | 0 | 0 | 16.5 | 0 | 0 | 0 | 0 |
| 12 | 99-M-14 | 0 | 0 | 0 | 0 | 13.5 | 0 | 0 | 0 | 0 |
| 13 | 99-M-15 | 2 | 1 | 1 | 0 | 21.1 | 10 | 9 | 1 | 0 |
| 14 | 99-M-16 | 0 | 0 | 0 | 0 | 11.4 | 0 | 0 | 0 | 0 |
| 15 | 99-M-17 | 1 | 1 | 0 | 0 | 16.0 | 40 | 40 | 0 | 0 |
| 16 | 99-M-18 | 3 | 3 | 0 | 0 | 22.8 | 169 | 169 | 0 | 0 |
| 17 | 99-M-19 | 0 | 0 | 0 | 0 | 15.5 | 0 | 0 | 0 | 0 |
| 18 | 99-M-21 | 0 | 0 | 0 | 0 | 17.4 | 0 | 0 | 0 | 0 |
| 19 | 99-M-25 | 1 | 1 | 0 | 0 | 13.7 | 2 | 2 | 0 | 0 |
| 20 | 99-M-26 | 4 | 4 | 0 | 0 | 14.6 | 83 | 83 | 0 | 0 |
| 21 | 99-M-27 | 0 | 0 | 0 | 0 | 14.3 | 0 | 0 | 0 | 0 |
| 22 | 99-M-28 | 2 | 2 | 0 | 0 | 9.5 | 5 | 5 | 0 | 0 |
| 23 | 99-M-29 | 0 | 0 | 0 | 0 | 9.1 | 0 | 0 | 0 | 0 |
| 24 | 99-M-30 | 3 | 3 | 0 | 0 | 16.7 | 91 | 91 | 0 | 0 |
| 25 | 99-M-31 | 0 | 0 | 0 | 0 | 5.8 | 0 | 0 | 0 | 0 |
| 26 | 99-M-32 | 0 | 0 | 0 | 0 | 10.3 | 0 | 0 | 0 | 0 |
| 27 | 99-M-33 | 0 | 0 | 0 | 0 | 8.7 | 0 | 0 | 0 | 0 |
| 28 | 99-M-34 | 0 | 0 | 0 | 0 | 7.5 | 0 | 0 | 0 | 0 |
| 29 | 99-M-35 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 0 |
| 30 | 99-M-36 | 0 | 0 | 0 | 0 | 13.3 | 0 | 0 | 0 | 0 |
| 31 | 99-M-39 | 2 | 2 | 0 | 0 | 17.1 | 13 | 13 | 0 | 0 |
| 32 | 99-M-40 | 2 | 2 | 0 | 0 | 23.0 | 17 | 17 | 0 | 0 |
| 33 | 99-M-41 | 3 | 3 | 0 | 0 | 15.4 | 42 | 42 | 0 | 0 |
| 34 | 99-M-42 | 0 | 0 | 0 | 0 | 10.7 | 0 | 0 | 0 | 0 |
| 35 | 99-M-43 | 3 | 3 | 0 | 0 | 13.3 | 31 | 31 | 0 | 0 |
| 36 | 99-M-44 | 3 | 2 | 1 | 0 | 17.1 | 40 | 38 | 1 | 0 |
| 37 | 99-M-45 | 0 | 0 | 0 | 0 | 6.1 | 0 | 0 | 0 | 0 |
| 38 | 99-M-46 | 1 | 1 | 0 | 0 | 12.7 | 226 | 226 | 0 | 0 |
| 39 | 99-M-47 | 0 | 0 | 0 | 0 | 22.0 | 0 | 0 | 0 | 0 |
| 40 | 99-M-48 | 0 | 0 | 0 | 0 | 12.6 | 0 | 0 | 0 | 0 |
| 41 | 99-M-49 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 | 0 | 0 |
| 42 | 99-M-50 | 3 | 2 | 1 | 0 | 41.2 | 76 | 52 | 25 | 0 |
| 43 | 99-M-51 | 0 | 0 | 0 | 0 | 25.2 | 0 | 0 | 0 | 0 |

| Process Order | Sample Site | Number of Visible Gold Grains Total | Reshaped | Modified | Pristine | Non-Magnetic Weight | Calculated PPB Visible Gold Total | Reshaped | Modified | Pristine |
|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 99-M-52 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 45 | 99-M-53 | 4 | 4 | 0 | 0 | 34.8 | 8 | 8 | 0 | 0 |
| 46 | 99-M-54 | 0 | 0 | 0 | 0 | 30.8 | 0 | 0 | 0 | 0 |
| 47 | 99-M-55 | 2 | 1 | 1 | 0 | 29.6 | 9 | 6 | 3 | 0 |
| 48 | 99-M-56 | 1 | 1 | 0 | 0 | 40.8 | 9 | 9 | 0 | 0 |
| 49 | 99-M-57 | 1 | 1 | 0 | 0 | 38.4 | 10 | 10 | 0 | 0 |
| 50 | 99-M-59 | 2 | 2 | 0 | 0 | 34.0 | 3 | 3 | 0 | 0 |
| 51 | 99-M-63 | 3 | 3 | 0 | 0 | 36.4 | 5 | 5 | 0 | 0 |
| 52 | 99-M-64 | 3 | 3 | 0 | 0 | 34.8 | 3 | 3 | 0 | 0 |
| 53 | 99-M-65 | 1 | 1 | 0 | 0 | 30.8 | 21 | 21 | 0 | 0 |
| 54 | 99-M-66 | 2 | 2 | 0 | 0 | 42.8 | 26 | 26 | 0 | 0 |
| 55 | 99-M-67 | 1 | 1 | 0 | 0 | 39.2 | 2 | 2 | 0 | 0 |
| 56 | 99-M-68 | 0 | 0 | 0 | 0 | 31.2 | 0 | 0 | 0 | 0 |
| 57 | 99-M-69 | 0 | 0 | 0 | 0 | 29.2 | 0 | 0 | 0 | 0 |
| 58 | 99-M-70 | 0 | 0 | 0 | 0 | 32.0 | 0 | 0 | 0 | 0 |
| 59 | 99-M-71 | 3 | 2 | 1 | 0 | 39.6 | 22 | 5 | 16 | 0 |
| 60 | 99-M-73 | 0 | 0 | 0 | 0 | 38.8 | 0 | 0 | 0 | 0 |
| 61 | 99-M-74 | 2 | 2 | 0 | 0 | 38.0 | 2 | 2 | 0 | 0 |
| 62 | 99-M-75 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 63 | 99-M-76 | 1 | 1 | 0 | 0 | 34.0 | 2 | 2 | 0 | 0 |
| 64 | 99-M-77 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 65 | 99-M-78 | 0 | 0 | 0 | 0 | 30.8 | 0 | 0 | 0 | 0 |
| 66 | 99-M-79 | 3 | 2 | 1 | 0 | 36.4 | 16 | 6 | 10 | 0 |
| 67 | 99-M-80 | 4 | 4 | 0 | 0 | 42.8 | 106 | 106 | 0 | 0 |
| 68 | 99-M-81 | 2 | 2 | 0 | 0 | 40.4 | 14 | 14 | 0 | 0 |
| 69 | 99-M-82 | 3 | 3 | 0 | 0 | 41.6 | 14 | 14 | 0 | 0 |
| 70 | 99-M-83 | 3 | 3 | 0 | 0 | 45.2 | 139 | 139 | 0 | 0 |
| 71 | 99-M-84 | 2 | 2 | 0 | 0 | 35.2 | 202 | 202 | 0 | 0 |
| 72 | 99-M-85 | 2 | 2 | 0 | 0 | 41.2 | 10 | 10 | 0 | 0 |
| 73 | 99-M-86 | 4 | 3 | 1 | 0 | 44.4 | 18 | 14 | 4 | 0 |
| 74 | 99-M-87 | 3 | 3 | 0 | 0 | 35.6 | 47 | 47 | 0 | 0 |
| 75 | 99-M-89 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 76 | 99-M-90 | 1 | 1 | 0 | 0 | 30.4 | 49 | 49 | 0 | 0 |
| 77 | 99-M-91 | 1 | 1 | 0 | 0 | 31.6 | 6 | 6 | 0 | 0 |
| 78 | 99-M-93 | 2 | 2 | 0 | 0 | 44.0 | 10 | 10 | 0 | 0 |
| 79 | 99-M-94 | 1 | 1 | 0 | 0 | 35.6 | 5 | 5 | 0 | 0 |
| 80 | 99-M-95 | 2 | 1 | 1 | 0 | 44.0 | 2 | 2 | 0 | 0 |
| 81 | 99-M-97 | 0 | 0 | 0 | 0 | 40.4 | 0 | 0 | 0 | 0 |
| 82 | 99-M-98 | 1 | 1 | 0 | 0 | 38.0 | 39 | 39 | 0 | 0 |
| 83 | 99-M-100 | 0 | 0 | 0 | 0 | 37.6 | 0 | 0 | 0 | 0 |
| 84 | 99-M-101 | 1 | 1 | 0 | 0 | 35.2 | 82 | 82 | 0 | 0 |
| 85 | 99-M-102 | 0 | 0 | 0 | 0 | 35.6 | 0 | 0 | 0 | 0 |
| 86 | 99-M-104 | 2 | 2 | 0 | 0 | 39.2 | 10 | 10 | 0 | 0 |
| 87 | 99-M-105 | 0 | 0 | 0 | 0 | 46.0 | 0 | 0 | 0 | 0 |
| 88 | 99-M-106 | 0 | 0 | 0 | 0 | 39.2 | 0 | 0 | 0 | 0 |
| 89 | 99-M-107 | 3 | 3 | 0 | 0 | 42.4 | 20 | 20 | 0 | 0 |
| 90 | 99-M-108 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 91 | 99-M-109 | 3 | 3 | 0 | 0 | 41.2 | 126 | 126 | 0 | 0 |
| 92 | 99-M-111 | 1 | 1 | 0 | 0 | 40.4 | 1 | 1 | 0 | 0 |
| 93 | 99-M-112 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 |
| 94 | 99-M-113 | 0 | 0 | 0 | 0 | 32.0 | 0 | 0 | 0 | 0 |

| Process Order | Sample Site | Number of Visible Gold Grains Total | Reshaped | Modified | Pristine | Non-Magnetic Weight | Calculated PPB Visible Gold Total | Reshaped | Modified | Pristine |
|---|---|---|---|---|---|---|---|---|---|---|
| 95 | 99-M-114 | 2 | 2 | 0 | 0 | 38.4 | 4 | 4 | 0 | 0 |
| 96 | 99-M-115 | 1 | 1 | 0 | 0 | 38.8 | 2 | 2 | 0 | 0 |
| 97 | 99-M-116 | 0 | 0 | 0 | 0 | 35.6 | 0 | 0 | 0 | 0 |
| 98 | 99-M-118 | 0 | 0 | 0 | 0 | 31.2 | 0 | 0 | 0 | 0 |
| 99 | 99-M-121 | 0 | 0 | 0 | 0 | 42.8 | 0 | 0 | 0 | 0 |
| 100 | 99-M-123 | 0 | 0 | 0 | 0 | 43.2 | 0 | 0 | 0 | 0 |
| 101 | 99-M-124 | 1 | 1 | 0 | 0 | 40.4 | 5 | 5 | 0 | 0 |
| 102 | 99-M-125 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 103 | 99-M-126 | 2 | 2 | 0 | 0 | 34.0 | 85 | 85 | 0 | 0 |
| 104 | 99-M-127 | 1 | 1 | 0 | 0 | 35.2 | 1 | 1 | 0 | 0 |
| 105 | 99-M-129 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 106 | 99-M-131 | 0 | 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 0 |
| 107 | 99-M-134 | 3 | 3 | 0 | 0 | 38.4 | 33 | 33 | 0 | 0 |
| 108 | 99-M-135 | 0 | 0 | 0 | 0 | 42.4 | 0 | 0 | 0 | 0 |
| 109 | 99-M-136 | 2 | 2 | 0 | 0 | 31.6 | 3 | 3 | 0 | 0 |
| 110 | 99-M-139 | 2 | 2 | 0 | 0 | 27.2 | 10 | 10 | 0 | 0 |
| 111 | 99-M-140 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 112 | 99-M-142 | 2 | 2 | 0 | 0 | 29.6 | 41 | 41 | 0 | 0 |
| 113 | 99-M-145 | 0 | 0 | 0 | 0 | 40.0 | 0 | 0 | 0 | 0 |
| 114 | 99-M-146 | 1 | 1 | 0 | 0 | 39.2 | 10 | 10 | 0 | 0 |
| 115 | 99-M-147 | 3 | 3 | 0 | 0 | 40.0 | 2 | 2 | 0 | 0 |
| 116 | 99-M-148 | 0 | 0 | 0 | 0 | 40.0 | 0 | 0 | 0 | 0 |
| 117 | 99-M-149 | 1 | 1 | 0 | 0 | 38.0 | 2 | 2 | 0 | 0 |
| 118 | 99-M-150 | 3 | 3 | 0 | 0 | 41.6 | 10 | 10 | 0 | 0 |
| 119 | 99-M-151 | 2 | 2 | 0 | 0 | 34.8 | 2 | 2 | 0 | 0 |
| 120 | 99-M-152 | 3 | 3 | 0 | 0 | 40.4 | 5 | 5 | 0 | 0 |
| 121 | 99-M-154 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 122 | 99-M-155 | 1 | 1 | 0 | 0 | 42.0 | 2 | 2 | 0 | 0 |
| 123 | 99-M-156 | 1 | 1 | 0 | 0 | 42.8 | 9 | 9 | 0 | 0 |
| 124 | 99-M-157 | 2 | 2 | 0 | 0 | 40.8 | 18 | 18 | 0 | 0 |
| 125 | 99-M-201 | 2 | 2 | 0 | 0 | 33.2 | 17 | 17 | 0 | 0 |
| 126 | 99-M-202 | 0 | 0 | 0 | 0 | 34.8 | 0 | 0 | 0 | 0 |
| 127 | 99-M-203 | 4 | 4 | 0 | 0 | 42.0 | 11 | 11 | 0 | 0 |
| 128 | 99-M-204 | 1 | 1 | 0 | 0 | 33.2 | 6 | 6 | 0 | 0 |
| 129 | 99-M-205 | 3 | 3 | 0 | 0 | 33.2 | 13 | 13 | 0 | 0 |
| 130 | 99-M-206 | 0 | 0 | 0 | 0 | 26.4 | 0 | 0 | 0 | 0 |
| 131 | 99-M-207 | 0 | 0 | 0 | 0 | 28.0 | 0 | 0 | 0 | 0 |
| 132 | 99-M-208 | 2 | 2 | 0 | 0 | 38.4 | 19 | 19 | 0 | 0 |
| 133 | 99-M-209 | 2 | 2 | 0 | 0 | 33.2 | 22 | 22 | 0 | 0 |
| 134 | 99-M-210 | 0 | 0 | 0 | 0 | 29.2 | 0 | 0 | 0 | 0 |
| 135 | 99-M-211 | 2 | 2 | 0 | 0 | 37.6 | 6 | 6 | 0 | 0 |
| 136 | 99-M-212 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 137 | 99-M-213 | 5 | 2 | 2 | 1 | 32.0 | 5 | 3 | 1 | 1 |
| 138 | 99-M-214 | 4 | 4 | 0 | 0 | 34.0 | 6 | 6 | 0 | 0 |
| 139 | 99-M-215 | 2 | 2 | 0 | 0 | 38.4 | 10 | 10 | 0 | 0 |
| 140 | 99-M-217 | 0 | 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 0 |
| 141 | 99-M-218 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 142 | 99-M-219 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 143 | 99-M-220 | 2 | 2 | 0 | 0 | 38.0 | 1 | 1 | 0 | 0 |
| 144 | 99-M-221 | 1 | 1 | 0 | 0 | 37.6 | 10 | 10 | 0 | 0 |
| 145 | 99-M-223 | 0 | 0 | 0 | 0 | 32.4 | 0 | 0 | 0 | 0 |

| Process Order | Sample Site | Number of Visible Gold Grains Total | Reshaped | Modified | Pristine | Non-Magnetic Weight | Calculated PPB Visible Gold Total | Reshaped | Modified | Pristine |
|---|---|---|---|---|---|---|---|---|---|---|
| 146 | 99-M-224 | 2 | 2 | 0 | 0 | 36.0 | 11 | 11 | 0 | 0 |
| 147 | 99-M-225 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 148 | 99-M-226 | 0 | 0 | 0 | 0 | 28.0 | 0 | 0 | 0 | 0 |
| 149 | 99-M-227 | 3 | 1 | 2 | 0 | 30.0 | 22 | 3 | 19 | 0 |
| 150 | 99-M-228 | 2 | 1 | 0 | 1 | 28.0 | 6 | 3 | 0 | 3 |
| 151 | 99-M-229 | 2 | 2 | 0 | 0 | 26.8 | 1 | 1 | 0 | 0 |
| 152 | 99-M-230 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 153 | 99-M-233 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 154 | 99-M-234 | 0 | 0 | 0 | 0 | 28.4 | 0 | 0 | 0 | 0 |
| 155 | 99-M-235 | 2 | 1 | 1 | 0 | 33.6 | 3 | 2 | 1 | 0 |
| 156 | 99-M-236 | 3 | 2 | 1 | 0 | 30.0 | 23 | 22 | 0 | 0 |
| 157 | 99-M-237 | 0 | 0 | 0 | 0 | 28.4 | 0 | 0 | 0 | 0 |
| 158 | 99-M-238 | 0 | 0 | 0 | 0 | 31.2 | 0 | 0 | 0 | 0 |
| 159 | 99-M-239 | 2 | 2 | 0 | 0 | 32.0 | 3 | 3 | 0 | 0 |
| 160 | 99-M-240 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 161 | 99-M-241 | 0 | 0 | 0 | 0 | 28.4 | 0 | 0 | 0 | 0 |
| 162 | 99-M-242 | 1 | 1 | 0 | 0 | 28.4 | 13 | 13 | 0 | 0 |
| 163 | 99-M-243 | 0 | 0 | 0 | 0 | 28.8 | 0 | 0 | 0 | 0 |
| 164 | 99-M-245 | 2 | 2 | 0 | 0 | 27.2 | 1 | 1 | 0 | 0 |
| 165 | 99-M-246 | 0 | 0 | 0 | 0 | 30.8 | 0 | 0 | 0 | 0 |
| 166 | 99-M-248 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 167 | 99-M-249 | 2 | 2 | 0 | 0 | 31.2 | 1 | 1 | 0 | 0 |
| 168 | 99-M-250 | 2 | 2 | 0 | 0 | 36.0 | 3 | 3 | 0 | 0 |
| 169 | 99-M-251 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 170 | 99-M-252 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 171 | 99-M-253 | 0 | 0 | 0 | 0 | 25.2 | 0 | 0 | 0 | 0 |
| 172 | 99-M-257 | 3 | 3 | 0 | 0 | 12.8 | 54 | 54 | 0 | 0 |
| 173 | 99-M-259 | 2 | 2 | 0 | 0 | 22.0 | 10 | 10 | 0 | 0 |
| 174 | 99-M-260 | 1 | 1 | 0 | 0 | 24.4 | 3 | 3 | 0 | 0 |
| 175 | 99-M-261 | 3 | 3 | 0 | 0 | 36.0 | 13 | 13 | 0 | 0 |
| 176 | 99-M-262 | 3 | 3 | 0 | 0 | 34.4 | 7 | 7 | 0 | 0 |
| 177 | 99-M-263 | 5 | 5 | 0 | 0 | 32.0 | 28 | 28 | 0 | 0 |
| 178 | 99-M-264 | 3 | 3 | 0 | 0 | 27.2 | 136 | 136 | 0 | 0 |
| 179 | 99-M-265 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 180 | 99-M-266 | 0 | 0 | 0 | 0 | 26.8 | 0 | 0 | 0 | 0 |
| 181 | 99-M-267 | 1 | 1 | 0 | 0 | 23.2 | 8 | 8 | 0 | 0 |
| 182 | 99-M-268 | 3 | 3 | 0 | 0 | 27.6 | 6 | 6 | 0 | 0 |
| 183 | 99-M-269 | 3 | 2 | 1 | 0 | 26.4 | 13 | 10 | 3 | 0 |
| 184 | 99-M-271 | 2 | 1 | 1 | 0 | 28.8 | 13 | 7 | 7 | 0 |
| 185 | 99-M-272 | 0 | 0 | 0 | 0 | 34.4 | 0 | 0 | 0 | 0 |
| 186 | 99-M-273 | 3 | 3 | 0 | 0 | 26.8 | 11 | 11 | 0 | 0 |
| 187 | 99-M-274 | 0 | 0 | 0 | 0 | 34.8 | 0 | 0 | 0 | 0 |
| 188 | 99-M-275 | 2 | 2 | 0 | 0 | 28.4 | 14 | 14 | 0 | 0 |
| 189 | 99-M-276 | 0 | 0 | 0 | 0 | 29.2 | 0 | 0 | 0 | 0 |
| 190 | 99-M-277 | 2 | 2 | 0 | 0 | 38.8 | 7 | 7 | 0 | 0 |
| 191 | 99-M-278 | 2 | 2 | 0 | 0 | 37.2 | 5 | 5 | 0 | 0 |
| 192 | 99-M-279 | 0 | 0 | 0 | 0 | 33.2 | 0 | 0 | 0 | 0 |
| 193 | 99-M-280 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 194 | 99-M-281 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 195 | 99-M-282 | 0 | 0 | 0 | 0 | 27.6 | 0 | 0 | 0 | 0 |
| 196 | 99-M-284 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 |

| Process Order | Sample Site | Number of Visible Gold Grains Total | Reshaped | Modified | Pristine | Non-Magnetic Weight | Calculated PPB Visible Gold Total | Reshaped | Modified | Pristine |
|---|---|---|---|---|---|---|---|---|---|---|
| 197 | 99-M-286 | 0 | 0 | 0 | 0 | 22.4 | 0 | 0 | 0 | 0 |
| 198 | 99-M-287 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 199 | 99-M-288 | 0 | 0 | 0 | 0 | 39.6 | 0 | 0 | 0 | 0 |
| 200 | 99-M-289 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 |
| 201 | 99-M-290 | 1 | 1 | 0 | 0 | 30.4 | 21 | 21 | 0 | 0 |
| 202 | 99-M-291 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 203 | 99-M-292 | 1 | 1 | 0 | 0 | 37.6 | 5 | 5 | 0 | 0 |
| 204 | 99-M-293 | 0 | 0 | 0 | 0 | 33.2 | 0 | 0 | 0 | 0 |
| 205 | 99-M-294 | 2 | 2 | 0 | 0 | 32.0 | 12 | 12 | 0 | 0 |
| 206 | 99-M-295 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 207 | 99-M-296 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 | 0 | 0 |
| 208 | 99-M-297 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | 0 |
| 209 | 99-M-298 | 2 | 1 | 1 | 0 | 37.2 | 10 | 10 | 0 | 0 |
| 210 | 99-M-300 | 3 | 3 | 0 | 0 | 38.4 | 12 | 12 | 0 | 0 |
| 211 | 99-M-301 | 3 | 3 | 0 | 0 | 32.8 | 7 | 7 | 0 | 0 |
| 212 | 99-M-302 | 1 | 1 | 0 | 0 | 36.0 | 5 | 5 | 0 | 0 |
| 213 | 99-M-303 | 2 | 2 | 0 | 0 | 36.4 | 108 | 108 | 0 | 0 |
| 214 | 99-M-304 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 | 0 | 0 |
| 215 | 99-M-305 | 0 | 0 | 0 | 0 | 44.0 | 0 | 0 | 0 | 0 |
| 216 | 99-M-306 | 0 | 0 | 0 | 0 | 35.6 | 0 | 0 | 0 | 0 |
| 217 | 99-M-307 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 218 | 99-M-308 | 0 | 0 | 0 | 0 | 40.8 | 0 | 0 | 0 | 0 |
| 219 | 99-M-309 | 4 | 4 | 0 | 0 | 35.2 | 17 | 17 | 0 | 0 |
| 220 | 99-M-310 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 221 | 99-M-311 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 222 | 99-M-312 | 0 | 0 | 0 | 0 | 22.0 | 0 | 0 | 0 | 0 |
| 223 | 99-M-313 | 0 | 0 | 0 | 0 | 23.2 | 0 | 0 | 0 | 0 |
| 224 | 99-M-314 | 0 | 0 | 0 | 0 | 38.8 | 0 | 0 | 0 | 0 |
| 225 | 99-M-315 | 0 | 0 | 0 | 0 | 39.2 | 0 | 0 | 0 | 0 |
| 226 | 99-M-316 | 2 | 2 | 0 | 0 | 35.2 | 8 | 8 | 0 | 0 |
| 227 | 99-M-317 | 1 | 1 | 0 | 0 | 35.2 | 1 | 1 | 0 | 0 |
| 228 | 99-M-319 | 3 | 3 | 0 | 0 | 26.4 | 83 | 83 | 0 | 0 |
| 229 | 99-M-320 | 1 | 1 | 0 | 0 | 36.4 | 2 | 2 | 0 | 0 |
| 230 | 99-M-324 | 0 | 0 | 0 | 0 | 27.6 | 0 | 0 | 0 | 0 |
| 231 | 99-M-326 | 0 | 0 | 0 | 0 | 34.8 | 0 | 0 | 0 | 0 |
| 232 | 99-M-327 | 2 | 2 | 0 | 0 | 36.0 | 8 | 8 | 0 | 0 |
| 233 | 99-M-329 | 3 | 3 | 0 | 0 | 35.6 | 7 | 7 | 0 | 0 |
| 234 | 99-M-330 | 2 | 2 | 0 | 0 | 35.2 | 3 | 3 | 0 | 0 |
| 235 | 99-M-331 | 2 | 2 | 0 | 0 | 35.6 | 3 | 3 | 0 | 0 |
| 236 | 99-M-332 | 2 | 2 | 0 | 0 | 41.2 | 9 | 9 | 0 | 0 |
| 237 | 99-M-334 | 0 | 0 | 0 | 0 | 27.6 | 0 | 0 | 0 | 0 |
| 238 | 99-M-335 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 239 | 99-M-338 | 0 | 0 | 0 | 0 | 32.8 | 0 | 0 | 0 | 0 |
| 240 | 99-M-339 | 0 | 0 | 0 | 0 | 17.2 | 0 | 0 | 0 | 0 |
| 241 | 99-M-341 | 1 | 1 | 0 | 0 | 36.0 | 10 | 10 | 0 | 0 |
| 242 | 99-M-342 | 0 | 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 0 |
| 243 | 99-M-343 | 1 | 1 | 0 | 0 | 26.8 | 184 | 184 | 0 | 0 |
| 244 | 99-M-344 | 4 | 4 | 0 | 0 | 30.0 | 42 | 42 | 0 | 0 |
| 245 | 99-M-345 | 2 | 2 | 0 | 0 | 26.8 | 1 | 1 | 0 | 0 |
| 246 | 99-M-346 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 247 | 99-M-347 | 1 | 1 | 0 | 0 | 36.0 | 5 | 5 | 0 | 0 |

| Process Order | Sample Site | Number of Visible Gold Grains Total | Reshaped | Modified | Pristine | Non-Magnetic Weight | Calculated PPB Visible Gold Total | Reshaped | Modified | Pristine |
|---|---|---|---|---|---|---|---|---|---|---|
| 248 | 99-M-349 | 2 | 2 | 0 | 0 | 33.2 | 14 | 14 | 0 | 0 |
| 249 | 99-M-350 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 250 | 99-M-351 | 5 | 5 | 0 | 0 | 27.2 | 6 | 6 | 0 | 0 |

## Appendix G-8

# Gold Grain Classification - Visible Gold From Shaking Table

| Sample Site | Measurement: Diameter (microns) | Measurement: Thickness (microns) | Number of Grains: Reshaped | Number of Grains: Modified | Number of Grains: Pristine | Number of Grains: Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| 99-M-2 | 25 X 25 | 5 C | 2 | | | 2 | | |
| | | | | | | 2 | 16.2 | 3 |
| 99-M-3 | NO VISIBLE GOLD | | | | | | | |
| 99-M-4 | NO VISIBLE GOLD | | | | | | | |
| 99-M-5 | NO VISIBLE GOLD | | | | | | | |
| 99-M-7 | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 27.6 | 20 |
| 99-M-8 | 15 X 15 | 3 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | 1 | | 2 | | |
| | | | | | | 3 | 14.7 | 11 |
| 99-M-9 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 1 | 12.7 | 6 |
| 99-M-10 | 15 X 15 | 3 C | 1 | | | 1 | | |
| | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 100 | 15 C | 1 | | | 1 | | |
| | | | | | | 4 | 7.7 | 98 |
| 99-M-11 | NO VISIBLE GOLD | | | | | | | |
| 99-M-12 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 9.7 | 21 |
| 99-M-13 | NO VISIBLE GOLD | | | | | | | |
| 99-M-14 | NO VISIBLE GOLD | | | | | | | |
| 99-M-15 | 15 X 25 | 4 C | | 1 | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 21.1 | 10 |
| 99-M-16 | NO VISIBLE GOLD | | | | | | | |
| 99-M-17 | 50 X 100 | 15 C | 1 | | | 1 | | |
| | | | | | | 1 | 16.0 | 40 |
| 99-M-18 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 100 X 100 | 50 M | 1 | | | 1 | | |
| | | | | | | 3 | 22.8 | 169 |
| 99-M-19 | NO VISIBLE GOLD | | | | | | | |
| 99-M-21 | NO VISIBLE GOLD | | | | | | | |
| 99-M-25 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | | | | | | 1 | 13.7 | 2 |

| Sample Site | Measurement | | Number of Grains | | | | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| | Diameter (microns) | Thickness (microns) | Reshaped | Modified | Pristine | Total | | |
| 99-M-26 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | 75 X 75 | 15 C | 1 | | | 1 | | |
| | | | | | | 4 | 14.6 | 83 |
| 99-M-27 | NO VISIBLE GOLD | | | | | | | |
| 99-M-28 | 25 X 25 | 5 C | 2 | | | 2 | | |
| | | | | | | 2 | 9.5 | 5 |
| 99-M-29 | NO VISIBLE GOLD | | | | | | | |
| 99-M-30 | 15 X 25 | 4 C | 2 | | | 2 | | |
| | 75 X 125 | 20 C | 1 | | | 1 | | |
| | | | | | | 3 | 16.7 | 91 |
| 99-M-31 | NO VISIBLE GOLD | | | | | | | |
| 99-M-32 | NO VISIBLE GOLD | | | | | | | |
| 99-M-33 | NO VISIBLE GOLD | | | | | | | |
| 99-M-34 | NO VISIBLE GOLD | | | | | | | |
| 99-M-35 | NO VISIBLE GOLD | | | | | | | |
| 99-M-36 | NO VISIBLE GOLD | | | | | | | |
| 99-M-39 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 17.1 | 13 |
| 99-M-40 | 25 X 75 | 10 C | 1 | | | 1 | | |
| 99-M- | 50 X 50 | 10 C | 1 | | | 1 | | |
| 99-M- | | | | | | 2 | 23.0 | 17 |
| 99-M-41 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 3 | 15.4 | 42 |
| 99-M-42 | NO VISIBLE GOLD | | | | | | | |
| 99-M-43 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 75 | 10 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 3 | 13.3 | 31 |
| 99-M-44 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 25 | 5 C | | 1 | | 1 | | |
| | 75 X 75 | 15 C | 1 | | | 1 | | |
| | | | | | | 3 | 17.1 | 40 |
| 99-M-45 | NO VISIBLE GOLD | | | | | | | |
| 99-M-46 | 75 X 100 | 50 M | 1 | | | 1 | | |
| | | | | | | 1 | 12.7 | 226 |
| 99-M-47 | NO VISIBLE GOLD | | | | | | | |
| 99-M-48 | NO VISIBLE GOLD | | | | | | | |
| 99-M-49 | NO VISIBLE GOLD | | | | | | | |
| 99-M-50 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 75 X 75 | 50 M | 1 | | | 1 | | |
| | 75 X 100 | 18 C | | 1 | | 1 | | |
| | | | | | | 3 | 41.2 | 76 |
| 99-M-51 | NO VISIBLE GOLD | | | | | | | |
| 99-M-52 | NO VISIBLE GOLD | | | | | | | |

| Sample Site | Measurement | | Number of Grains | | | | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| | Diameter (microns) | Thickness (microns) | Reshaped | Modified | Pristine | Total | | |
| 99-M-53 | 25 X 25 | 5 C | 3 | | | 3 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 4 | 34.8 | 8 |
| 99-M-54 | NO VISIBLE GOLD | | | | | | | |
| 99-M-55 | 25 X 50 | 8 C | | 1 | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 29.6 | 9 |
| 99-M-56 | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 1 | 40.8 | 9 |
| 99-M-57 | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 1 | 38.4 | 10 |
| 99-M-59 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 2 | 34.0 | 3 |
| 99-M-63 | 25 X 25 | 5 C | 1 | | | 1 | | |
| 99-M- | 25 X 50 | 8 C | 2 | | | 2 | | |
| 99-M- | | | | | | 3 | 36.4 | 5 |
| 99-M-64 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 3 | 34.8 | 3 |
| 99-M-65 | 50 X 100 | 15 C | 1 | | | 1 | | |
| | | | | | | 1 | 30.8 | 21 |
| 99-M-66 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 75 X 100 | 18 C | 1 | | | 1 | | |
| | | | | | | 2 | 42.8 | 26 |
| 99-M-67 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 1 | 39.2 | 2 |
| 99-M-68 | NO VISIBLE GOLD | | | | | | | |
| 99-M-69 | NO VISIBLE GOLD | | | | | | | |
| 99-M-70 | NO VISIBLE GOLD | | | | | | | |
| 99-M-71 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 75 | 10 C | 1 | | | 1 | | |
| | 75 X 75 | 15 C | | 1 | | 1 | | |
| | | | | | | 3 | 39.6 | 22 |
| 99-M-73 | NO VISIBLE GOLD | | | | | | | |
| 99-M-74 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 2 | 38.0 | 2 |
| 99-M-75 | NO VISIBLE GOLD | | | | | | | |
| 99-M-76 | 25 X 50 | 8 C | 1 | | | 1 | | |
| 99-M- | | | | | | 1 | 34.0 | 2 |
| 99-M-77 | NO VISIBLE GOLD | | | | | | | |
| 99-M-78 | NO VISIBLE GOLD | | | | | | | |
| 99-M-79 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | | 1 | | 1 | | |
| | | | | | | 3 | 36.4 | 16 |

| Sample Site | Measurement: Diameter (microns) | | | Thickness (microns) | | Number of Grains: Reshaped | Modified | Pristine | Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-80 | 25 | X | 25 | 5 | C | 2 | | | 2 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 75 | X | 100 | 75 | C | 1 | | | 1 | | |
| | | | | | | | | | 4 | 42.8 | 106 |
| 99-M-81 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| 99-M- | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| 99-M- | | | | | | | | | 2 | 40.4 | 14 |
| 99-M-82 | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 41.6 | 14 |
| 99-M-83 | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 75 | X | 75 | 15 | C | 1 | | | 1 | | |
| | 100 | X | 100 | 75 | M | 1 | | | 1 | | |
| | | | | | | | | | 3 | 45.2 | 139 |
| 99-M-84 | 15 | X | 25 | 4 | C | 1 | | | 1 | | |
| | 125 | X | 150 | 50 | M | 1 | | | 1 | | |
| | | | | | | | | | 2 | 35.2 | 202 |
| 99-M-85 | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 41.2 | 10 |
| 99-M-86 | 15 | X | 50 | 7 | C | 1 | | | 1 | | |
| | 50 | X | 50 | 10 | C | 1 | 1 | | 2 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 4 | 44.4 | 18 |
| 99-M-87 | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 75 | X | 75 | 15 | C | 1 | | | 1 | | |
| | 75 | X | 100 | 18 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 35.6 | 47 |
| 99-M-89 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-90 | 50 | X | 150 | 20 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 30.4 | 49 |
| 99-M-91 | 25 | X | 75 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 31.6 | 6 |
| 99-M-93 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 44.0 | 10 |
| 99-M-94 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 35.6 | 5 |
| 99-M-95 | 15 | X | 25 | 4 | C | | 1 | | 1 | | |
| | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 44.0 | 2 |
| 99-M-97 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-98 | 75 | X | 125 | 20 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 38.0 | 39 |
| 99-M-100 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-101 | 125 | X | 125 | 25 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 35.2 | 82 |
| 99-M-102 | NO VISIBLE GOLD | | | | | | | | | | |

| Sample Site | Measurement | | Number of Grains | | | | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| | Diameter (microns) | Thickness (microns) | Reshaped | Modified | Pristine | Total | | |
| 99-M-104 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 39.2 | 10 |
| 99-M-105 | NO VISIBLE GOLD | | | | | | | |
| 99-M-106 | NO VISIBLE GOLD | | | | | | | |
| 99-M-107 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 75 X 75 | 15 C | 1 | | | 1 | | |
| | | | | | | 3 | 42.4 | 20 |
| 99-M-108 | NO VISIBLE GOLD | | | | | | | |
| 99-M-109 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | 100 X 125 | 50 M | 1 | | | 1 | | |
| | | | | | | 3 | 41.2 | 126 |
| 99-M-111 | 25 X 25 | 5 C | 1 | | | 1 | | |
| 99-M- | | | | | | 1 | 40.4 | 1 |
| 99-M-112 | NO VISIBLE GOLD | | | | | | | |
| 99-M-113 | NO VISIBLE GOLD | | | | | | | |
| 99-M-114 | 25 X 50 | 8 C | 2 | | | 2 | | |
| | | | | | | 2 | 38.4 | 4 |
| 99-M-115 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 1 | 38.8 | 2 |
| 99-M-116 | NO VISIBLE GOLD | | | | | | | |
| 99-M-118 | NO VISIBLE GOLD | | | | | | | |
| 99-M-121 | NO VISIBLE GOLD | | | | | | | |
| 99-M-123 | NO VISIBLE GOLD | | | | | | | |
| 99-M-124 | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 1 | 40.4 | 5 |
| 99-M-125 | NO VISIBLE GOLD | | | | | | | |
| 99-M-126 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 75 X 100 | 50 M | 1 | | | 1 | | |
| | | | | | | 2 | 34.0 | 85 |
| 99-M-127 | 25 X 25 | 5 C | 1 | | | 1 | | |
| 99-M- | | | | | | 1 | 35.2 | 1 |
| 99-M-129 | NO VISIBLE GOLD | | | | | | | |
| 99-M-131 | NO VISIBLE GOLD | | | | | | | |
| 99-M-134 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 75 X 100 | 18 C | 1 | | | 1 | | |
| | | | | | | 3 | 38.4 | 33 |
| 99-M-135 | NO VISIBLE GOLD | | | | | | | |
| 99-M-136 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 2 | 31.6 | 3 |
| 99-M-139 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 27.2 | 10 |
| 99-M-140 | NO VISIBLE GOLD | | | | | | | |

| Sample Site | Measurement: Diameter (microns) | | | Thickness (microns) | | Number of Grains: Reshaped | Modified | Pristine | Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-142 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 50 | X | 125 | 18 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 29.6 | 41 |
| 99-M-145 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-146 | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 39.2 | 10 |
| 99-M-147 | 25 | X | 25 | 5 | C | 3 | | | 3 | | |
| | | | | | | | | | 3 | 40.0 | 2 |
| 99-M-148 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-149 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| 99-M- | | | | | | | | | 1 | 38.0 | 2 |
| 99-M-150 | 15 | X | 25 | 4 | C | 1 | | | 1 | | |
| | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 41.6 | 10 |
| 99-M-151 | 15 | X | 15 | 3 | C | 1 | | | 1 | | |
| | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 34.8 | 2 |
| 99-M-152 | 15 | X | 15 | 3 | C | 2 | | | 2 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 40.4 | 5 |
| 99-M-154 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-155 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 42.0 | 2 |
| 99-M-156 | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 42.8 | 9 |
| 99-M-157 | 25 | X | 100 | 13 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 40.8 | 18 |
| 99-M-201 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 33.2 | 17 |
| 99-M-202 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-203 | 25 | X | 25 | 5 | C | 3 | | | 3 | | |
| | 25 | X | 100 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 4 | 42.0 | 11 |
| 99-M-204 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 33.2 | 6 |
| 99-M-205 | 25 | X | 25 | 5 | C | 2 | | | 2 | | |
| | 25 | X | 100 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 33.2 | 13 |
| 99-M-206 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-207 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-208 | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 38.4 | 19 |
| 99-M-209 | 50 | X | 75 | 13 | C | 2 | | | 2 | | |
| | | | | | | | | | 2 | 33.2 | 22 |
| 99-M-210 | NO VISIBLE GOLD | | | | | | | | | | |

| Sample Site | Measurement: Diameter (microns) | Thickness (microns) | Number of Grains: Reshaped | Modified | Pristine | Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| 99-M-211 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 37.6 | 6 |
| 99-M-212 | NO VISIBLE GOLD | | | | | | | |
| 99-M-213 | 15 X 15 | 3 C | | 1 | | 1 | | |
| | 15 X 25 | 4 C | | 1 | | 1 | | |
| | 25 X 25 | 5 C | 1 | | 1 | 2 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 5 | 32.0 | 5 |
| 99-M-214 | 15 X 15 | 3 C | 1 | | | 1 | | |
| | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 2 | | | 2 | | |
| | | | | | | 4 | 34.0 | 6 |
| 99-M-215 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 38.4 | 10 |
| 99-M-217 | NO VISIBLE GOLD | | | | | | | |
| 99-M-218 | NO VISIBLE GOLD | | | | | | | |
| 99-M-219 | NO VISIBLE GOLD | | | | | | | |
| 99-M-220 | 25 X 25 | 5 C | 2 | | | 2 | | |
| | | | | | | 2 | 38.0 | 1 |
| 99-M-221 | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 1 | 37.6 | 10 |
| 99-M-223 | NO VISIBLE GOLD | | | | | | | |
| 99-M-224 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 36.0 | 11 |
| 99-M-225 | NO VISIBLE GOLD | | | | | | | |
| 99-M-226 | NO VISIBLE GOLD | | | | | | | |
| 99-M-227 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | | 1 | | 1 | | |
| | 50 X 75 | 13 C | | 1 | | 1 | | |
| | | | | | | 3 | 30.0 | 22 |
| 99-M-228 | 25 X 50 | 8 C | 1 | | 1 | 2 | | |
| 99-M- | | | | | | 2 | 28.0 | 6 |
| 99-M-229 | 15 X 15 | 3 C | 1 | | | 1 | | |
| | 15 X 25 | 4 C | 1 | | | 1 | | |
| | | | | | | 2 | 26.8 | 1 |
| 99-M-230 | NO VISIBLE GOLD | | | | | | | |
| 99-M-233 | NO VISIBLE GOLD | | | | | | | |
| 99-M-234 | NO VISIBLE GOLD | | | | | | | |
| 99-M-235 | 25 X 25 | 5 C | | 1 | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 2 | 33.6 | 3 |
| 99-M-236 | 15 X 25 | 4 C | | 1 | | 1 | | |
| | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 100 | 15 C | 1 | | | 1 | | |
| | | | | | | 3 | 30.0 | 23 |
| 99-M-237 | NO VISIBLE GOLD | | | | | | | |
| 99-M-238 | NO VISIBLE GOLD | | | | | | | |

| Sample Site | Measurement: Diameter (microns) | Measurement: Thickness (microns) | Number of Grains: Reshaped | Modified | Pristine | Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| 99-M-239 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 2 | 32.0 | 3 |
| 99-M-240 | NO VISIBLE GOLD | | | | | | | |
| 99-M-241 | NO VISIBLE GOLD | | | | | | | |
| 99-M-242 | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 1 | 28.4 | 13 |
| 99-M-243 | NO VISIBLE GOLD | | | | | | | |
| 99-M-245 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 25 | 5 C | 1 | | | 1 | | |
| | | | | | | 2 | 27.2 | 1 |
| 99-M-246 | NO VISIBLE GOLD | | | | | | | |
| 99-M-248 | NO VISIBLE GOLD | | | | | | | |
| 99-M-249 | 15 X 25 | 4 C | 1 | | | 1 | | |
| 99-M- | 25 X 25 | 5 C | 1 | | | 1 | | |
| 99-M- | | | | | | 2 | 31.2 | 1 |
| 99-M-250 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 2 | 36.0 | 3 |
| 99-M-251 | NO VISIBLE GOLD | | | | | | | |
| 99-M-252 | NO VISIBLE GOLD | | | | | | | |
| 99-M-253 | NO VISIBLE GOLD | | | | | | | |
| 99-M-257 | 25 X 25 | 5 C | 2 | | | 2 | | |
| | 75 X 75 | 15 C | 1 | | | 1 | | |
| | | | | | | 3 | 12.8 | 54 |
| 99-M-259 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 22.0 | 10 |
| 99-M-260 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | | | | | | 1 | 24.4 | 3 |
| 99-M-261 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 3 | 36.0 | 13 |
| 99-M-262 | 25 X 25 | 5 C | 2 | | | 2 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 3 | 34.4 | 7 |
| 99-M-263 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 25 | 5 C | 2 | | | 2 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 50 X 100 | 15 C | 1 | | | 1 | | |
| | | | | | | 5 | 32.0 | 28 |
| 99-M-264 | 50 X 50 | 10 C | 1 | | | 1 | | |
| | 50 X 125 | 50 M | 1 | | | 1 | | |
| | 75 X 75 | 15 C | 1 | | | 1 | | |
| | | | | | | 3 | 27.2 | 136 |
| 99-M-265 | NO VISIBLE GOLD | | | | | | | |
| 99-M-266 | NO VISIBLE GOLD | | | | | | | |
| 99-M-267 | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 1 | 23.2 | 8 |

| Sample Site | Measurement: Diameter (microns) | Measurement: Thickness (microns) | Number of Grains: Reshaped | Number of Grains: Modified | Number of Grains: Pristine | Number of Grains: Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|
| 99-M-268 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 2 | | | 2 | | |
| | | | | | | 3 | 27.6 | 6 |
| 99-M-269 | 25 X 50 | 8 C | 1 | 1 | | 2 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 3 | 26.4 | 13 |
| 99-M-271 | 50 X 50 | 10 C | 1 | 1 | | 2 | | |
| | | | | | | 2 | 28.8 | 13 |
| 99-M-272 | NO VISIBLE GOLD | | | | | | | |
| 99-M-273 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 3 | 26.8 | 11 |
| 99-M-274 | NO VISIBLE GOLD | | | | | | | |
| 99-M-275 | 15 X 25 | 4 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 28.4 | 14 |
| 99-M-276 | NO VISIBLE GOLD | | | | | | | |
| 99-M-277 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 38.8 | 7 |
| 99-M-278 | 15 X 15 | 3 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 2 | 37.2 | 5 |
| 99-M-279 | NO VISIBLE GOLD | | | | | | | |
| 99-M-280 | NO VISIBLE GOLD | | | | | | | |
| 99-M-281 | NO VISIBLE GOLD | | | | | | | |
| 99-M-282 | NO VISIBLE GOLD | | | | | | | |
| 99-M-284 | NO VISIBLE GOLD | | | | | | | |
| 99-M-286 | NO VISIBLE GOLD | | | | | | | |
| 99-M-287 | NO VISIBLE GOLD | | | | | | | |
| 99-M-288 | NO VISIBLE GOLD | | | | | | | |
| 99-M-289 | NO VISIBLE GOLD | | | | | | | |
| 99-M-290 | 75 X 75 | 15 C | 1 | | | 1 | | |
| | | | | | | 1 | 30.4 | 21 |
| 99-M-291 | NO VISIBLE GOLD | | | | | | | |
| 99-M-292 | 50 X 50 | 10 C | 1 | | | 1 | | |
| | | | | | | 1 | 37.6 | 5 |
| 99-M-293 | NO VISIBLE GOLD | | | | | | | |
| 99-M-294 | 25 X 25 | 5 C | 1 | | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 32.0 | 12 |
| 99-M-295 | NO VISIBLE GOLD | | | | | | | |
| 99-M-296 | NO VISIBLE GOLD | | | | | | | |
| 99-M-297 | NO VISIBLE GOLD | | | | | | | |
| 99-M-298 | 15 X 25 | 4 C | | 1 | | 1 | | |
| | 50 X 75 | 13 C | 1 | | | 1 | | |
| | | | | | | 2 | 37.2 | 10 |
| 99-M-300 | 25 X 50 | 8 C | 1 | | | 1 | | |
| | 50 X 50 | 10 C | 2 | | | 2 | | |
| | | | | | | 3 | 38.4 | 12 |

| Sample Site | Measurement: Diameter (microns) | | | Thickness (microns) | | Number of Grains: Reshaped | Modified | Pristine | Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-301 | 25 | X | 25 | 5 | C | 2 | | | 2 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 32.8 | 7 |
| 99-M-302 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 36.0 | 5 |
| 99-M-303 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 75 | X | 125 | 50 | M | 1 | | | 1 | | |
| | | | | | | | | | 2 | 36.4 | 108 |
| 99-M-304 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-305 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-306 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-307 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-308 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-309 | 15 | X | 25 | 4 | C | 1 | | | 1 | | |
| | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 4 | 35.2 | 17 |
| 99-M-310 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-311 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-312 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-313 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-314 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-315 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-316 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 35.2 | 8 |
| 99-M-317 | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 35.2 | 1 |
| 99-M-319 | 15 | X | 25 | 4 | C | 1 | | | 1 | | |
| | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | 50 | X | 100 | 50 | M | 1 | | | 1 | | |
| | | | | | | | | | 3 | 26.4 | 83 |
| 99-M-320 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 36.4 | 2 |
| 99-M-324 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-326 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-327 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 36.0 | 8 |
| 99-M-329 | 25 | X | 25 | 5 | C | 2 | | | 2 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 3 | 35.6 | 7 |
| 99-M-330 | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 35.2 | 3 |
| 99-M-331 | 15 | X | 25 | 4 | C | 1 | | | 1 | | |
| | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 35.6 | 3 |
| 99-M-332 | 50 | X | 50 | 10 | C | 2 | | | 2 | | |
| | | | | | | | | | 2 | 41.2 | 9 |
| 99-M-334 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-335 | NO VISIBLE GOLD | | | | | | | | | | |

| Sample Site | Measurement: Diameter (microns) | | | Thickness (microns) | | Number of Grains: Reshaped | Modified | Pristine | Total | Non-Magnetic (grams) | Calculated V.G. Assay (ppb) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-338 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-339 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-341 | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 36.0 | 10 |
| 99-M-342 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-343 | 100 | X | 200 | 29 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 26.8 | 184 |
| 99-M-344 | 25 | X | 25 | 5 | C | 2 | | | 2 | | |
| | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | 50 | X | 125 | 18 | C | 1 | | | 1 | | |
| | | | | | | | | | 4 | 30.0 | 42 |
| 99-M-345 | 15 | X | 25 | 4 | C | 1 | | | 1 | | |
| | 25 | X | 25 | 5 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 26.8 | 1 |
| 99-M-346 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-347 | 50 | X | 50 | 10 | C | 1 | | | 1 | | |
| | | | | | | | | | 1 | 36.0 | 5 |
| 99-M-349 | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | 50 | X | 75 | 13 | C | 1 | | | 1 | | |
| | | | | | | | | | 2 | 33.2 | 14 |
| 99-M-350 | NO VISIBLE GOLD | | | | | | | | | | |
| 99-M-351 | 15 | X | 25 | 4 | C | 2 | | | 2 | | |
| | 25 | X | 25 | 5 | C | 2 | | | 2 | | |
| | 25 | X | 50 | 8 | C | 1 | | | 1 | | |
| | | | | | | | | | 5 | 27.2 | 6 |

# Summary Table

| Process Order | Sample Site | Bulk Rec'd (kg) | Table Split (kg) | +2 mm Clasts (kg) | Table Feed (kg) | Sample Description: Clasts >2.0 mm Size | V/S | GR | LS | Matrix <2.0 mm S/U | SD | ST | CY | Colour Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 99-M-02 | 8.9 | 8.6 | 3.0 | 5.6 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 2 | 99-M-03 | 8.3 | 7.9 | 1.2 | 6.7 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 3 | 99-M-04 | 8.0 | 7.6 | 0.9 | 6.7 | P | TR | TR | 100 | U | - | Y | + | B | B | N | TILL |
| 4 | 99-M-05 | 7.6 | 7.1 | 0.4 | 6.7 | P | 20 | 40 | 40 | U | - | + | Y | B | B | N | TILL |
| 5 | 99-M-07 | 7.8 | 7.4 | 0.8 | 6.6 | P | 10 | 30 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 6 | 99-M-08 | 8.2 | 7.8 | 0.8 | 7.0 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 7 | 99-M-09 | 8.2 | 7.7 | 0.7 | 7.0 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 8 | 99-M-10 | 6.7 | 6.2 | 0.6 | 5.6 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 9 | 99-M-11 | 8.2 | 7.7 | 0.6 | 7.1 | P | 50 | 20 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 10 | 99-M-12 | 7.9 | 7.5 | 0.6 | 6.9 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 11 | 99-M-13 | 8.2 | 7.9 | 0.6 | 7.3 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 12 | 99-M-14 | 7.9 | 7.5 | 0.5 | 7.0 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 13 | 99-M-15 | 7.9 | 7.5 | 0.3 | 7.2 | P | 80 | TR | 20 | U | Y | Y | Y | B | B | N | TILL |
| 14 | 99-M-16 | 8.1 | 7.6 | 0.8 | 6.8 | P | 60 | 10 | 30 | U | Y | Y | Y | B | GB | N | TILL |
| 15 | 99-M-17 | 9.7 | 9.3 | 0.8 | 8.5 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 16 | 99-M-18 | 9.4 | 8.8 | 2.4 | 6.4 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 17 | 99-M-19 | 7.8 | 7.3 | 1.0 | 6.3 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 18 | 99-M-21 | 8.7 | 8.1 | 0.2 | 7.9 | P | 40 | TR | 60 | U | - | + | + | B | B | N | CLAY TILL |
| 19 | 99-M-25 | 8.1 | 7.7 | 0.9 | 6.8 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 20 | 99-M-26 | 8.6 | 8.1 | 1.1 | 7.0 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 21 | 99-M-27 | 8.9 | 8.6 | 0.5 | 8.1 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 22 | 99-M-28 | 7.1 | 6.7 | 0.9 | 5.8 | P | 20 | 30 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 23 | 99-M-29 | 8.3 | 7.9 | 1.4 | 6.5 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 24 | 99-M-30 | 8.3 | 7.8 | 0.6 | 7.2 | P | 20 | 30 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 25 | 99-M-31 | 8.6 | 8.1 | 0.6 | 7.5 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 26 | 99-M-32 | 5.9 | 5.4 | 0.2 | 5.2 | P | 40 | 50 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 27 | 99-M-33 | 8.0 | 7.6 | 0.2 | 7.4 | P | 20 | 40 | 40 | U | - | + | + | B | B | N | TILL |
| 28 | 99-M-34 | 7.0 | 6.5 | 0.2 | 6.3 | P | 50 | TR | 50 | U | - | + | + | GB | GB | N | TILL |
| 29 | 99-M-35 | 7.6 | 7.1 | 0.5 | 6.6 | P | 30 | 50 | 20 | U | Y | Y | Y | B | B | N | TILL |
| 30 | 99-M-36 | 9.9 | 9.4 | 0.8 | 8.6 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 31 | 99-M-39 | 9.5 | 9.0 | 0.8 | 8.2 | P | 30 | 50 | 20 | U | Y | Y | Y | B | B | N | TILL |
| 32 | 99-M-40 | 10.4 | 9.9 | 1.2 | 8.7 | P | 20 | 70 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 33 | 99-M-41 | 8.4 | 8.0 | 0.8 | 7.2 | P | 10 | 80 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 34 | 99-M-42 | 8.6 | 8.2 | 0.9 | 7.3 | P | 20 | 80 | 0 | U | - | Y | + | B | B | N | TILL |
| 35 | 99-M-43 | 8.6 | 8.2 | 0.5 | 7.7 | P | 20 | 70 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 36 | 99-M-44 | 9.9 | 9.4 | 0.6 | 8.8 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 37 | 99-M-45 | 7.0 | 6.5 | 0.4 | 6.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 38 | 99-M-46 | 8.5 | 8.0 | 0.4 | 7.6 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 39 | 99-M-47 | 10.9 | 10.4 | 0.3 | 10.1 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 40 | 99-M-48 | 9.4 | 8.8 | 3.7 | 5.1 | P | 60 | 10 | 30 | S | MC | - | N | LOC | NA | N | GRAVEL |
| 41 | 99-M-49 | 9.8 | 9.2 | 0.6 | 8.6 | P | 20 | 20 | 60 | U | Y | Y | Y | GB | GB | N | TILL |
| 42 | 99-M-50 | 10.9 | 10.3 | 2.2 | 8.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |

| | | | | | | Sample Description | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Clasts >2.0 mm | | | | Matrix <2.0 mm | | | | Colour | | | |
| Process Order | Sample Site | Bulk Rec'd (kg) | Table Split (kg) | +2 mm Clasts (kg) | Table Feed (kg) | Size | V/S | GR | LS | S/U | SD | ST | CY | Sand | Clay | Organics | Sediment |
| 43 | 99-M-51 | 6.8 | 6.3 | 0.1 | 6.2 | P | 90 | 10 | 0 | U | Y | Y | Y | LOC | LOC | N | TILL |
| 44 | 99-M-52 | 8.0 | 7.4 | 0.2 | 7.2 | P | 30 | 10 | 60 | U | Y | + | Y | GB | GB | N | TILL |
| 45 | 99-M-53 | 9.2 | 8.7 | 1.1 | 7.6 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 46 | 99-M-54 | 8.2 | 7.7 | 0.8 | 6.9 | P | 30 | 30 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 47 | 99-M-55 | 7.9 | 7.4 | 0.4 | 7.0 | P | 20 | 20 | 60 | U | Y | + | Y | GB | GB | N | TILL |
| 48 | 99-M-56 | 10.6 | 10.2 | 2.3 | 7.9 | C | 50 | 30 | 20 | U | Y | Y | Y | B | B | N | TILL |
| 49 | 99-M-57 | 10.0 | 9.6 | 0.3 | 9.3 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 50 | 99-M-59 | 8.9 | 8.5 | 0.4 | 8.1 | P | 50 | 10 | 40 | U | Y | + | Y | B | B | N | TILL |
| 51 | 99-M-63 | 9.6 | 9.1 | 1.5 | 7.6 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 52 | 99-M-64 | 9.2 | 8.7 | 0.7 | 8.0 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 53 | 99-M-65 | 8.3 | 7.7 | 0.5 | 7.2 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 54 | 99-M-66 | 11.2 | 10.7 | 1.4 | 9.3 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 55 | 99-M-67 | 10.3 | 9.8 | 0.5 | 9.3 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 56 | 99-M-68 | 8.3 | 7.8 | 0.2 | 7.6 | G | 30 | 10 | 60 | U | - | + | Y | B | B | N | TILL |
| 57 | 99-M-69 | 7.8 | 7.3 | 0.2 | 7.1 | P | 10 | 10 | 80 | U | - | + | + | B | B | Y | CLAY TILL |
| 58 | 99-M-70 | 8.5 | 8.0 | 0.3 | 7.7 | P | 70 | 10 | 20 | U | Y | + | Y | B | B | N | TILL |
| 59 | 99-M-71 | 10.3 | 9.9 | 1.4 | 8.5 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 60 | 99-M-73 | 10.2 | 9.7 | 0.8 | 8.9 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 61 | 99-M-74 | 10.0 | 9.5 | 1.0 | 8.5 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 62 | 99-M-75 | 9.3 | 8.8 | 1.5 | 7.3 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 63 | 99-M-76 | 9.0 | 8.5 | 0.7 | 7.8 | P | 60 | 10 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 64 | 99-M-77 | 8.0 | 7.5 | 1.0 | 6.5 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 65 | 99-M-78 | 8.2 | 7.7 | 0.7 | 7.0 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | Y | TILL |
| 66 | 99-M-79 | 9.6 | 9.1 | 1.1 | 8.0 | P | 40 | 30 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 67 | 99-M-80 | 11.2 | 10.7 | 1.1 | 9.6 | P | 20 | 40 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 68 | 99-M-81 | 10.6 | 10.1 | 1.2 | 8.9 | P | 30 | 30 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 69 | 99-M-82 | 10.9 | 10.4 | 1.0 | 9.4 | P | 35 | 15 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 70 | 99-M-83 | 11.8 | 11.3 | 2.0 | 9.3 | P | 20 | 50 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 71 | 99-M-84 | 9.3 | 8.8 | 1.1 | 7.7 | P | 20 | 50 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 72 | 99-M-85 | 10.8 | 10.3 | 0.4 | 9.9 | P | 40 | 40 | 20 | U | Y | + | Y | B | B | N | TILL |
| 73 | 99-M-86 | 11.6 | 11.1 | 1.3 | 9.8 | P | 20 | 50 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 74 | 99-M-87 | 9.4 | 8.9 | 3.6 | 5.3 | P | 30 | 10 | 60 | U | + | Y | - | B | B | N | TILL |
| 75 | 99-M-89 | 8.1 | 7.6 | 1.1 | 6.5 | P | 30 | 10 | 60 | U | Y | Y | Y | GB | B | N | TILL |
| 76 | 99-M-90 | 8.1 | 7.6 | 0.9 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 77 | 99-M-91 | 8.4 | 7.9 | 1.5 | 6.4 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 78 | 99-M-93 | 11.5 | 11.0 | 1.4 | 9.6 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 79 | 99-M-94 | 9.4 | 8.9 | 1.6 | 7.3 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 80 | 99-M-95 | 11.5 | 11.0 | 1.6 | 9.4 | P | 40 | 20 | 40 | U | Y | Y | Y | GB | GB | N | TILL |
| 81 | 99-M-97 | 10.6 | 10.1 | 2.8 | 7.3 | P | 40 | 20 | 40 | U | Y | Y | Y | GB | B | N | TILL |
| 82 | 99-M-98 | 10.0 | 9.5 | 3.2 | 6.3 | P | 50 | 10 | 40 | U | + | Y | Y | B | B | N | TILL |
| 83 | 99-M-100 | 10.0 | 9.4 | 3.9 | 5.5 | P | 30 | 20 | 50 | U | + | - | - | B | B | N | SANDY TILL |
| 84 | 99-M-101 | 9.4 | 8.8 | 2.3 | 6.5 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 85 | 99-M-102 | 9.5 | 8.9 | 1.5 | 7.4 | P | 30 | 10 | 60 | U | + | Y | Y | B | B | N | TILL |
| 86 | 99-M-104 | 10.3 | 9.8 | 0.5 | 9.4 | P | 70 | 10 | 20 | U | Y | Y | Y | GB | GB | N | TILL |
| 87 | 99-M-105 | 12.1 | 11.5 | 2.4 | 9.1 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 88 | 99-M-106 | 10.4 | 9.8 | 0.5 | 9.3 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 89 | 99-M-107 | 11.1 | 10.6 | 0.6 | 10.0 | P | 20 | 20 | 60 | U | Y | + | Y | B | B | N | TILL |
| 90 | 99-M-108 | 10.2 | 9.6 | 0.5 | 9.1 | P | 30 | 20 | 50 | U | Y | + | Y | B | B | N | TILL |

| Process Order | Sample Site | Bulk Rec'd (kg) | Table Split (kg) | +2 mm Clasts (kg) | Table Feed (kg) | Sample Description: Clasts >2.0 mm Size | V/S | GR | LS | Matrix <2.0 mm S/U | SD | ST | CY | Colour Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | 99-M-109 | 10.8 | 10.3 | 1.0 | 9.3 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 92 | 99-M-111 | 10.6 | 10.1 | 1.1 | 9.0 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 93 | 99-M-112 | 10.1 | 9.5 | 3.4 | 6.1 | P | 30 | 20 | 50 | U | + | Y | - | B | B | N | TILL |
| 94 | 99-M-113 | 8.4 | 8.0 | 0.3 | 7.7 | P | 40 | 10 | 50 | U | - | + | Y | B | B | N | TILL |
| 95 | 99-M-114 | 10.3 | 9.6 | 0.8 | 8.8 | P | 45 | 5 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 96 | 99-M-115 | 10.3 | 9.7 | 0.8 | 8.9 | P | 30 | 10 | 60 | U | Y | + | Y | B | B | N | TILL |
| 97 | 99-M-116 | 9.5 | 8.9 | 2.6 | 6.3 | P | 40 | 20 | 40 | S | M,C | N | N | B | NA | N | SAND & GRAVEL |
| 98 | 99-M-118 | 8.2 | 7.8 | 1.0 | 6.8 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 99 | 99-M-121 | 11.3 | 10.7 | 1.0 | 9.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 100 | 99-M-123 | 11.4 | 10.8 | 1.3 | 9.5 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 101 | 99-M-124 | 11.6 | 11.1 | 1.0 | 10.1 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 102 | 99-M-125 | 10.1 | 9.6 | 0.8 | 8.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 103 | 99-M-126 | 10.6 | 10.1 | 1.6 | 8.5 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 104 | 99-M-127 | 11.1 | 10.6 | 1.8 | 8.8 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 105 | 99-M-129 | 10.7 | 10.2 | 2.7 | 7.5 | P | 30 | 10 | 60 | U | + | Y | - | B | B | N | TILL |
| 106 | 99-M-131 | 9.6 | 9.2 | 0.8 | 8.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 107 | 99-M-134 | 11.3 | 10.9 | 1.3 | 9.6 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 108 | 99-M-135 | 12.2 | 11.7 | 1.1 | 10.6 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 109 | 99-M-136 | 9.0 | 8.5 | 0.6 | 7.9 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 110 | 99-M-139 | 10.5 | 9.8 | 3.0 | 6.8 | P | 40 | 10 | 50 | U | + | Y | - | B | B | N | TILL |
| 111 | 99-M-140 | 10.7 | 10.2 | 0.6 | 9.6 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 112 | 99-M-142 | 9.3 | 8.8 | 1.4 | 7.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 113 | 99-M-145 | 10.8 | 10.2 | 0.2 | 10.0 | P | 50 | TR | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 114 | 99-M-146 | 11.2 | 10.7 | 0.9 | 9.8 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 115 | 99-M-147 | 11.4 | 10.8 | 0.8 | 10.0 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 116 | 99-M-148 | 11.6 | 11.0 | 1.0 | 10.0 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 117 | 99-M-149 | 11.1 | 10.5 | 1.0 | 9.5 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 118 | 99-M-150 | 11.8 | 11.2 | 0.8 | 10.4 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 119 | 99-M-151 | 9.8 | 9.3 | 0.6 | 8.7 | P | 40 | 30 | 30 | U | Y | Y | Y | B | B | N | TILL |
| 120 | 99-M-152 | 11.4 | 10.9 | 0.8 | 10.1 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 121 | 99-M-154 | 10.1 | 9.6 | 0.8 | 8.8 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 122 | 99-M-155 | 11.1 | 10.5 | 1.4 | 9.1 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 123 | 99-M-156 | 11.3 | 10.7 | 0.8 | 9.9 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 124 | 99-M-157 | 10.7 | 10.2 | 1.0 | 9.2 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 125 | 99-M-201 | 8.9 | 8.3 | 1.7 | 6.6 | P | 50 | TR | 50 | U | Y | Y | Y | GY | GB | N | TILL |
| 126 | 99-M-202 | 9.3 | 8.7 | 2.6 | 6.1 | P | 50 | TR | 50 | U | Y | Y | Y | GY | GB | N | TILL |
| 127 | 99-M-203 | 10.1 | 10.5 | 1.4 | 9.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 128 | 99-M-204 | 8.8 | 8.3 | 0.7 | 7.6 | P | 30 | 20 | 50 | U | - | + | Y | B | B | N | TILL |
| 129 | 99-M-205 | 8.9 | 8.3 | 0.4 | 7.9 | P | 50 | TR | 50 | U | Y | Y | Y | GY | GB | N | TILL |
| 130 | 99-M-206 | 7.1 | 6.6 | 0.5 | 6.1 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 131 | 99-M-207 | 7.5 | 7.0 | 0.9 | 6.1 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 132 | 99-M-208 | 10.1 | 9.6 | 0.4 | 9.2 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | N | TILL |
| 133 | 99-M-209 | 8.9 | 8.3 | 0.5 | 7.8 | P | 40 | TR | 60 | U | Y | + | Y | GY | GB | N | TILL |
| 134 | 99-M-210 | 7.9 | 7.3 | 0.9 | 6.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 135 | 99-M-211 | 9.9 | 9.4 | 1.0 | 8.4 | P | 40 | TR | 60 | U | Y | Y | Y | GB | GB | N | TILL |
| 136 | 99-M-212 | 7.2 | 6.8 | 0.4 | 6.4 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 137 | 99-M-213 | 8.5 | 8.0 | 0.6 | 7.4 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |

| | | | | | | Sample Description | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Clasts >2.0 mm | | | | Matrix <2.0 mm | | | | Colour | | | |
| Process Order | Sample Site | Bulk Rec'd (kg) | Table Split (kg) | +2 mm Clasts (kg) | Table Feed (kg) | Size | V/S | GR | LS | S/U | SD | ST | CY | Sand | Clay | Organics | Sediment |
| 138 | 99-M-214 | 9.1 | 8.5 | 0.7 | 7.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 139 | 99-M-215 | 10.1 | 9.6 | 0.8 | 8.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 140 | 99-M-217 | 8.9 | 8.4 | 5.4 | 3.0 | P | 30 | 10 | 60 | S | M,C | - | N | B | NA | N | GRAVEL |
| 141 | 99-M-218 | 7.3 | 6.8 | 0.3 | 6.5 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 142 | 99-M-219 | 8.0 | 7.4 | 0.4 | 7.0 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 143 | 99-M-220 | 10.0 | 9.5 | 0.4 | 9.1 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | GB | N | TILL |
| 144 | 99-M-221 | 10.0 | 9.4 | 0.6 | 8.8 | P | 70 | TR | 30 | U | Y | Y | Y | GY | GY | N | TILL |
| 145 | 99-M-223 | 8.8 | 8.1 | 2.3 | 5.8 | P | 50 | TR | 50 | U | + | Y | - | B | B | N | TILL |
| 146 | 99-M-224 | 9.5 | 9.1 | 1.3 | 7.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 147 | 99-M-225 | 8.1 | 7.6 | 1.7 | 5.9 | P | 50 | TR | 50 | U | + | Y | Y | B | B | N | TILL |
| 148 | 99-M-226 | 7.4 | 7.0 | 1.0 | 6.0 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 149 | 99-M-227 | 8.1 | 7.5 | 0.9 | 6.6 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 150 | 99-M-228 | 7.4 | 7.0 | 0.6 | 6.4 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 151 | 99-M-229 | 7.2 | 6.7 | 1.3 | 5.4 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 152 | 99-M-230 | 8.0 | 7.5 | 1.0 | 6.5 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 153 | 99-M-233 | 7.3 | 6.8 | 0.7 | 6.1 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 154 | 99-M-234 | 7.6 | 7.1 | 0.8 | 6.3 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 155 | 99-M-235 | 9.0 | 8.4 | 2.5 | 5.9 | P | 80 | 0 | 20 | U | + | Y | Y | BN | LBN | N | TILL |
| 156 | 99-M-236 | 8.0 | 7.5 | 0.6 | 6.9 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 157 | 99-M-237 | 7.6 | 7.1 | 1.0 | 6.1 | P | 30 | 30 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 158 | 99-M-238 | 8.4 | 7.8 | 0.4 | 7.4 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 159 | 99-M-239 | 8.6 | 8.0 | 0.7 | 7.3 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 160 | 99-M-240 | 9.4 | 8.8 | 0.3 | 8.5 | P | 50 | TR | 50 | U | - | + | Y | B | B | N | TILL |
| 161 | 99-M-241 | 8.2 | 7.7 | 0.6 | 7.1 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 162 | 99-M-242 | 8.1 | 7.6 | 0.5 | 7.1 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 163 | 99-M-243 | 9.0 | 8.4 | 1.2 | 7.2 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 164 | 99-M-245 | 8.3 | 7.8 | 1.0 | 6.8 | P | 40 | 20 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 165 | 99-M-246 | 9.2 | 8.7 | 1.0 | 7.7 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 166 | 99-M-248 | 10.4 | 9.9 | 0.6 | 9.3 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 167 | 99-M-249 | 8.5 | 8.5 | 0.7 | 7.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 168 | 99-M-250 | 9.8 | 9.4 | 0.4 | 9.0 | P | 50 | 10 | 40 | U | Y | Y | Y | B | B | N | TILL |
| 169 | 99-M-251 | 9.6 | 9.1 | 0.3 | 8.8 | P | 40 | TR | 60 | U | Y | Y | Y | B | B | N | TILL |
| 170 | 99-M-252 | 9.4 | 8.7 | 1.3 | 7.4 | P | 70 | 20 | 10 | U | Y | Y | Y | B | B | N | TILL |
| 171 | 99-M-253 | 8.0 | 7.4 | 1.1 | 6.3 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 172 | 99-M-257 | 7.5 | 6.0 | 2.8 | 3.2 | P | 30 | 10 | 60 | U | + | Y | - | B | B | N | SANDY TILL |
| 173 | 99-M-259 | 6.5 | 6.1 | 0.6 | 5.5 | P | 50 | TR | 50 | U | Y | Y | Y | B | B | N | TILL |
| 174 | 99-M-260 | 7.1 | 6.7 | 0.6 | 6.1 | P | 20 | 10 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 175 | 99-M-261 | 10.0 | 9.4 | 0.4 | 9.0 | P | 40 | TR | 60 | U | Y | + | Y | B | B | N | TILL |
| 176 | 99-M-262 | 9.9 | 9.3 | 0.7 | 8.6 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 177 | 99-M-263 | 8.6 | 8.2 | 0.2 | 8.0 | P | 40 | TR | 60 | U | Y | + | Y | B | B | N | TILL |
| 178 | 99-M-264 | 10.0 | 9.4 | 2.6 | 6.8 | P | 35 | 5 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 179 | 99-M-265 | 8.4 | 7.9 | 0.3 | 7.6 | P | 40 | TR | 60 | U | Y | + | Y | B | B | N | TILL |
| 180 | 99-M-266 | 8.5 | 7.9 | 1.2 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 181 | 99-M-267 | 7.0 | 6.4 | 0.6 | 5.8 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 182 | 99-M-268 | 7.6 | 7.2 | 0.3 | 6.9 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 183 | 99-M-269 | 7.9 | 7.3 | 0.7 | 6.6 | P | 30 | 5 | 65 | U | Y | Y | Y | B | B | N | TILL |
| 184 | 99-M-271 | 8.0 | 7.4 | 0.2 | 7.2 | P | 40 | TR | 60 | U | - | + | + | B | B | N | TILL |

| | | | | | | Sample Description | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Clasts >2.0 mm | | | | Matrix <2.0 mm | | | | Colour | | | |
| Process Order | Sample Site | Bulk Rec'd (kg) | Table Split (kg) | +2 mm Clasts (kg) | Table Feed (kg) | Size | V/S | GR | LS | S/U | SD | ST | CY | Sand | Clay | Organics | Sediment |
| 185 | 99-M-272 | 9.9 | 9.3 | 0.7 | 8.6 | P | 30 | 30 | 40 | U | - | + | Y | B | B | N | TILL |
| 186 | 99-M-273 | 7.9 | 7.4 | 0.7 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 187 | 99-M-274 | 9.3 | 8.8 | 0.1 | 8.7 | P | 40 | 20 | 40 | U | - | + | + | B | B | N | SILTY TILL |
| 188 | 99-M-275 | 8.3 | 7.8 | 0.7 | 7.1 | P | 35 | 15 | 50 | U | - | + | + | B | B | N | SILTY TILL |
| 189 | 99-M-276 | 8.3 | 7.7 | 0.4 | 7.3 | P | 35 | 5 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 190 | 99-M-277 | 10.7 | 10.2 | 0.5 | 9.7 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 191 | 99-M-278 | 10.6 | 10.0 | 0.7 | 9.3 | P | 25 | 25 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 192 | 99-M-279 | 8.9 | 8.4 | 0.1 | 8.3 | P | 30 | 20 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 193 | 99-M-280 | 10.1 | 9.6 | 0.3 | 9.3 | P | 20 | 20 | 60 | U | - | + | Y | B | B | N | TILL |
| 194 | 99-M-281 | 10.3 | 9.8 | 1.0 | 8.8 | P | 30 | 15 | 55 | U | Y | + | + | B | B | N | TILL |
| 195 | 99-M-282 | 7.9 | 7.3 | 0.4 | 6.9 | P | 35 | 10 | 55 | U | Y | + | + | B | B | N | TILL |
| 196 | 99-M-284 | 10.7 | 10.1 | 0.6 | 9.5 | P | 30 | 20 | 50 | U | - | + | + | B | B | N | TILL |
| 197 | 99-M-286 | 8.4 | 7.7 | 2.1 | 5.6 | P | 15 | 20 | 65 | U | Y | + | + | B | B | N | TILL |
| 198 | 99-M-287 | 10.5 | 10.1 | 0.8 | 9.3 | P | 30 | 20 | 50 | U | Y | + | + | B | B | N | TILL |
| 199 | 99-M-288 | 10.7 | 10.7 | 0.8 | 9.9 | P | 30 | 10 | 60 | U | Y | + | + | B | B | N | TILL |
| 200 | 99-M-289 | 10.9 | 10.3 | 1.2 | 9.1 | P | 30 | 20 | 50 | U | Y | + | + | B | B | N | TILL |
| 201 | 99-M-290 | 8.8 | 8.3 | 0.7 | 7.6 | P | 15 | 5 | 80 | U | Y | + | + | B | B | Y | TILL |
| 202 | 99-M-291 | 7.8 | 7.4 | 0.6 | 6.8 | P | 15 | 5 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 203 | 99-M-292 | 11.9 | 11.2 | 1.8 | 9.4 | P | 25 | 5 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 204 | 99-M-293 | 10.0 | 9.4 | 1.1 | 8.3 | P | 15 | 5 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 205 | 99-M-294 | 9.3 | 8.8 | 0.8 | 8.0 | P | 45 | 5 | 50 | U | Y | Y | Y | GY | GY | N | TILL |
| 206 | 99-M-295 | 9.3 | 8.8 | 1.4 | 7.4 | P | 20 | 5 | 75 | U | + | - | - | B | B | N | SANDY TILL |
| 207 | 99-M-296 | 11.0 | 10.5 | 1.3 | 9.2 | P | 15 | 5 | 80 | U | Y | Y | Y | GY | GB | N | TILL |
| 208 | 99-M-297 | 9.9 | 9.5 | 0.5 | 9.0 | P | 80 | 5 | 15 | U | - | + | Y | B | B | N | SILTY TILL |
| 209 | 99-M-298 | 10.8 | 10.2 | 0.9 | 9.3 | P | 25 | 5 | 70 | U | Y | Y | Y | B | B | N | TILL |
| 210 | 99-M-300 | 10.5 | 9.9 | 0.3 | 9.6 | P | 30 | 30 | 40 | U | - | + | + | B | B | N | SILTY TILL |
| 211 | 99-M-301 | 8.9 | 8.4 | 0.2 | 8.2 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 212 | 99-M-302 | 10.0 | 9.6 | 0.6 | 9.0 | P | 40 | 20 | 40 | U | Y | Y | Y | GB | B | N | TILL |
| 213 | 99-M-303 | 10.3 | 9.7 | 0.6 | 9.1 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | N | TILL |
| 214 | 99-M-304 | 10.8 | 10.2 | 1.0 | 9.2 | P | 60 | 30 | 10 | U | Y | + | + | GY | GB | N | TILL |
| 215 | 99-M-305 | 11.8 | 11.2 | 0.2 | 11.0 | P | 50 | 10 | 40 | U | - | + | + | B | B | N | SILTY TILL |
| 216 | 99-M-306 | 10.2 | 9.6 | 0.7 | 8.9 | P | 40 | 10 | 50 | U | Y | Y | Y | B | B | Y | TILL |
| 217 | 99-M-307 | 9.1 | 8.5 | 0.9 | 7.6 | P | 30 | TR | 70 | S | MC | Y | N | B | NA | N | SAND |
| 218 | 99-M-308 | 11.4 | 10.8 | 0.6 | 10.2 | P | 40 | TR | 60 | U | Y | + | + | B | B | N | TILL |
| 219 | 99-M-309 | 9.5 | 9.1 | 0.3 | 8.8 | P | 30 | 10 | 60 | U | Y | + | + | B | B | N | TILL |
| 220 | 99-M-310 | 8.2 | 7.6 | 0.8 | 6.8 | P | 30 | 10 | 60 | U | Y | + | + | GB | B | N | TILL |
| 221 | 99-M-311 | 10.4 | 9.9 | 0.6 | 9.3 | P | 20 | 5 | 75 | U | Y | Y | Y | GB | GB | N | TILL |
| 222 | 99-M-312 | 7.6 | 7.0 | 1.5 | 5.5 | P | 20 | TR | 80 | U | Y | Y | Y | B | B | Y | TILL |
| 223 | 99-M-313 | 8.0 | 7.4 | 1.6 | 5.8 | P | 15 | TR | 85 | S | MC | N | N | B | NA | N | SAND |
| 224 | 99-M-314 | 10.9 | 10.5 | 0.8 | 9.7 | P | 10 | TR | 90 | U | Y | Y | Y | GB | GB | N | TILL |
| 225 | 99-M-315 | 11.2 | 10.6 | 0.8 | 9.8 | P | 20 | 5 | 75 | U | Y | Y | Y | B | B | N | TILL |
| 226 | 99-M-316 | 10.6 | 10.0 | 1.2 | 8.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |
| 227 | 99-M-317 | 10.0 | 9.3 | 0.5 | 8.8 | P | 45 | TR | 55 | U | Y | Y | Y | GY | GY | Y | TILL |
| 228 | 99-M-319 | 7.8 | 7.2 | 0.6 | 6.6 | P | 20 | 5 | 75 | U | Y | Y | Y | B | B | N | TILL |
| 229 | 99-M-320 | 10.1 | 9.6 | 0.5 | 9.1 | P | 1 | 5 | 94 | U | Y | Y | Y | B | B | N | TILL |
| 230 | 99-M-324 | 7.8 | 7.2 | 0.3 | 6.9 | P | 30 | TR | 70 | U | Y | Y | Y | B | B | N | TILL |
| 231 | 99-M-326 | 10.1 | 9.3 | 0.6 | 8.7 | P | 10 | TR | 90 | U | Y | Y | Y | B | B | N | TILL |
| 232 | 99-M-327 | 10.3 | 9.7 | 0.7 | 9.0 | P | 15 | TR | 85 | U | Y | Y | Y | B | B | N | TILL |
| 233 | 99-M-329 | 10.3 | 9.7 | 0.8 | 8.9 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |

| Process Order | Sample Site | Bulk Rec'd (kg) | Table Split (kg) | +2 mm Clasts (kg) | Table Feed (kg) | Sample Description: Clasts >2.0 mm: Size | V/S | GR | LS | Matrix <2.0 mm: S/U | SD | ST | CY | Colour: Sand | Clay | Organics | Sediment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 234 | 99-M-330 | 10.2 | 9.6 | 0.8 | 8.8 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 235 | 99-M-331 | 9.9 | 9.4 | 0.5 | 8.9 | P | 10 | TR | 90 | U | Y | Y | Y | B | B | N | TILL |
| 236 | 99-M-332 | 10.6 | 10.9 | 0.6 | 10.3 | P | 10 | TR | 90 | U | Y | Y | Y | B | B | N | TILL |
| 237 | 99-M-334 | 9.4 | 8.8 | 1.9 | 6.9 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 238 | 99-M-335 | 11.0 | 10.4 | 0.8 | 9.6 | P | 15 | TR | 85 | U | Y | Y | Y | B | B | N | TILL |
| 239 | 99-M-338 | 9.7 | 9.3 | 1.1 | 8.2 | P | 10 | TR | 90 | U | Y | Y | Y | GB | B | N | TILL |
| 240 | 99-M-339 | 9.5 | 9.0 | 4.7 | 4.3 | P | 10 | TR | 90 | U | + | - | Y | B | B | N | TILL |
| 241 | 99-M-341 | 10.3 | 9.8 | 0.8 | 9.0 | P | 20 | 10 | 70 | U | Y | Y | Y | GB | B | N | TILL |
| 242 | 99-M-342 | 9.9 | 9.2 | 0.8 | 8.4 | P | 20 | 10 | 70 | U | Y | Y | Y | GB | B | N | TILL |
| 243 | 99-M-343 | 9.7 | 8.5 | 1.8 | 6.7 | P | 30 | 20 | 50 | U | Y | Y | Y | GB | B | N | TILL |
| 244 | 99-M-344 | 8.9 | 8.3 | 0.8 | 7.5 | P | 30 | 10 | 60 | U | Y | Y | Y | GB | B | N | TILL |
| 245 | 99-M-345 | 8.0 | 7.3 | 0.6 | 6.7 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 246 | 99-M-346 | 9.0 | 8.4 | 0.8 | 7.6 | P | 40 | 10 | 50 | U | Y | Y | Y | GB | B | N | TILL |
| 247 | 99-M-347 | 10.7 | 10.1 | 1.1 | 9.0 | P | 20 | 20 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 248 | 99-M-349 | 10.1 | 9.5 | 1.2 | 8.3 | P | 40 | 20 | 40 | U | Y | Y | Y | GY | GB | N | TILL |
| 249 | 99-M-350 | 9.5 | 8.9 | 1.4 | 7.5 | P | 30 | 10 | 60 | U | Y | Y | Y | B | B | N | TILL |
| 250 | 99-M-351 | 8.5 | 7.9 | 1.1 | 6.8 | P | 10 | 10 | 80 | U | Y | Y | Y | B | B | N | TILL |

| Sample Site | Table Concentrate <2.0 mm (grams) Total | M.I. Separation SG = 3.20 M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-02 | 724.5 | 702.7 | 5.6 | 16.2 | 12.3 | 0.4 | 2.6 | 0.50 | 0.40 | 0 | 0 | 1 |
| 99-M-03 | 605.3 | 582.0 | 5.9 | 17.4 | 14.2 | 0.3 | 2.2 | 0.60 | 0.10 | 0 | 0 | 0 |
| 99-M-04 | 536.1 | 526.7 | 2.5 | 6.9 | 5.5 | 0.1 | 0.9 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-05 | 410.3 | 397.1 | 2.8 | 10.4 | 7.8 | 0.4 | 1.5 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-07 | 682.5 | 648.1 | 6.8 | 27.6 | 22.8 | 0.4 | 3.3 | 0.80 | 0.30 | 0 | 0 | 0 |
| 99-M-08 | 556.6 | 537.4 | 4.5 | 14.7 | 11.3 | 0.3 | 2.1 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-09 | 531.2 | 514.7 | 3.8 | 12.7 | 9.2 | 0.4 | 2.2 | 0.70 | 0.20 | 0 | 0 | 2 |
| 99-M-10 | 418.9 | 408.5 | 2.7 | 7.7 | 5.6 | 0.2 | 1.3 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-11 | 617.6 | 596.9 | 5.4 | 15.3 | 12.2 | 0.4 | 2.0 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-12 | 519.2 | 505.6 | 3.9 | 9.7 | 7.1 | 0.3 | 1.6 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-13 | 541.0 | 519.7 | 4.8 | 16.5 | 13.6 | 0.4 | 2.0 | 0.40 | 0.10 | 0 | 1 | 1 |
| 99-M-14 | 443.0 | 425.5 | 4.0 | 13.5 | 10.9 | 0.4 | 1.7 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-15 | 1424.0 | 1398.9 | 4.0 | 21.1 | 11.9 | 0.4 | 7.8 | 0.90 | 0.10 | 0 | 0 | 0 |
| 99-M-16 | 651.3 | 637.6 | 2.3 | 11.4 | 7.8 | 0.2 | 2.6 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-17 | 519.6 | 498.4 | 5.2 | 16.0 | 13.1 | 0.1 | 2.0 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-18 | 635.1 | 602.9 | 9.4 | 22.8 | 14.7 | 1.5 | 4.6 | 1.80 | 0.20 | 0 | 0 | 0 |
| 99-M-19 | 843.8 | 823.0 | 5.3 | 15.5 | 10.7 | 0.3 | 3.4 | 0.90 | 0.20 | 0 | 0 | 1 |
| 99-M-21 | 425.1 | 401.9 | 5.8 | 17.4 | 15.6 | 0.2 | 1.2 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-25 | 477.6 | 458.9 | 5.0 | 13.7 | 10.2 | 0.2 | 1.9 | 0.70 | 0.70 | 0 | 0 | 1 |
| 99-M-26 | 574.8 | 555.0 | 5.2 | 14.6 | 11.4 | 0.3 | 2.1 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-27 | 711.0 | 692.5 | 4.2 | 14.3 | 11.6 | 0.3 | 1.8 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-28 | 620.6 | 607.4 | 3.7 | 9.5 | 7.5 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-29 | 636.5 | 624.2 | 3.2 | 9.1 | 6.5 | 0.4 | 1.2 | 0.50 | 0.50 | 0 | 0 | 0 |
| 99-M-30 | 433.5 | 410.6 | 6.2 | 16.7 | 13.9 | 0.4 | 1.6 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-31 | 511.8 | 503.8 | 2.2 | 5.8 | 4.2 | 0.3 | 0.9 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-32 | 398.6 | 386.0 | 2.3 | 10.3 | 8.9 | 0.2 | 0.9 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-33 | 356.0 | 345.3 | 2.0 | 8.7 | 7.5 | 0.1 | 0.8 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-34 | 446.7 | 436.6 | 2.6 | 7.5 | 6.3 | 0.1 | 0.8 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-35 | 446.2 | 429.4 | 3.8 | 13.0 | 10.2 | 0.3 | 1.5 | 0.50 | 0.50 | 0 | 0 | 0 |
| 99-M-36 | 573.8 | 556.2 | 4.3 | 13.3 | 10.5 | 0.3 | 1.8 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-39 | 683.6 | 660.8 | 5.7 | 17.1 | 13.7 | 0.3 | 2.2 | 0.60 | 0.30 | 0 | 0 | 0 |
| 99-M-40 | 659.2 | 629.3 | 6.9 | 23.0 | 18.2 | 0.4 | 3.2 | 0.90 | 0.30 | 0 | 0 | 0 |
| 99-M-41 | 590.6 | 570.6 | 4.6 | 15.4 | 12.5 | 0.3 | 1.9 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-42 | 762.2 | 749.1 | 2.4 | 10.7 | 8.3 | 0.3 | 1.6 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-43 | 521.8 | 504.4 | 4.1 | 13.3 | 10.9 | 0.1 | 1.7 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-44 | 552.3 | 530.5 | 4.7 | 17.1 | 14.2 | 0.2 | 1.9 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-45 | 524.1 | 515.9 | 2.1 | 6.1 | 4.6 | 0.1 | 0.9 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-46 | 415.4 | 399.1 | 3.6 | 12.7 | 10.4 | 0.1 | 1.6 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-47 | 515.4 | 486.8 | 6.6 | 22.0 | 19.4 | 0.1 | 1.9 | 0.50 | 0.10 | 0 | 0 | 0 |
| 99-M-48 | 1163.6 | 1149.8 | 1.2 | 12.6 | 5.4 | 0.3 | 3.9 | 1.60 | 1.40 | 0 | 0 | 0 |
| 99-M-49 | 529.9 | 512.1 | 4.3 | 13.5 | 10.2 | 1.0 | 1.8 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-50 | 696.6 | 661.0 | 8.7 | 26.9 | 20.4 | 0.8 | 3.9 | 1.30 | 0.50 | 0 | 0 | 0 |

| Sample Site | Table Concentrate <2.0 mm (grams) Total | M.I. Separation SG = 3.20 M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-51 | 438.4 | 421.1 | 0.6 | 16.7 | 13.2 | 1.0 | 1.9 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-52 | 448.5 | 429.7 | 4.3 | 14.5 | 12.6 | 0.4 | 1.1 | 0.30 | 0.06 | 0 | 0 | 1 |
| 99-M-53 | 517.4 | 494.4 | 6.4 | 16.6 | 12.4 | 0.7 | 2.4 | 0.70 | 0.40 | 0 | 0 | 1 |
| 99-M-54 | 393.8 | 382.5 | 2.6 | 8.7 | 6.0 | 0.6 | 1.4 | 0.40 | 0.30 | 0 | 0 | 0 |
| 99-M-55 | 440.7 | 426.1 | 3.6 | 11.0 | 8.5 | 0.6 | 1.4 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-56 | 741.7 | 701.4 | 11.2 | 29.1 | 23.8 | 0.9 | 3.0 | 0.90 | 0.50 | 0 | 0 | 1 |
| 99-M-57 | 444.1 | 421.6 | 4.6 | 17.9 | 15.1 | 0.3 | 2.0 | 0.40 | 0.10 | 0 | 0 | 1 |
| 99-M-59 | 502.3 | 480.7 | 4.5 | 17.1 | 14.4 | 0.4 | 1.7 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-63 | 620.9 | 576.2 | 13.0 | 31.7 | 22.8 | 1.2 | 5.4 | 1.70 | 0.60 | 0 | 0 | 0 |
| 99-M-64 | 408.9 | 386.1 | 5.0 | 17.8 | 14.4 | 0.6 | 1.8 | 0.60 | 0.40 | 0 | 0 | 0 |
| 99-M-65 | 508.1 | 487.6 | 5.1 | 15.4 | 12.0 | 0.8 | 1.9 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-66 | 677.9 | 654.3 | 5.7 | 17.9 | 11.9 | 1.2 | 3.7 | 0.80 | 0.30 | 0 | 0 | 2 |
| 99-M-67 | 548.5 | 523.8 | 5.8 | 18.9 | 15.1 | 0.9 | 2.1 | 0.60 | 0.20 | 0 | 0 | 0 |
| 99-M-68 | 301.8 | 280.9 | 4.6 | 16.3 | 14.6 | 0.6 | 0.8 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-69 | 268.0 | 264.3 | 0.8 | 2.9 | 2.5 | 0.0 | 0.3 | 0.04 | 0.01 | 0 | 0 | 0 |
| 99-M-70 | 384.6 | 372.4 | 0.6 | 11.6 | 8.7 | 0.6 | 1.7 | 0.50 | 0.10 | 0 | 0 | 0 |
| 99-M-71 | 604.7 | 580.8 | 5.3 | 18.6 | 13.7 | 0.8 | 2.8 | 0.90 | 0.40 | 0 | 0 | 0 |
| 99-M-73 | 536.0 | 507.7 | 6.2 | 22.1 | 17.3 | 0.9 | 2.7 | 0.80 | 0.40 | 0 | 0 | 1 |
| 99-M-74 | 608.6 | 584.4 | 7.3 | 16.9 | 13.5 | 0.4 | 2.1 | 0.60 | 0.30 | 0 | 0 | 0 |
| 99-M-75 | 626.3 | 598.3 | 8.9 | 19.1 | 14.1 | 0.5 | 2.9 | 1.10 | 0.50 | 0 | 0 | 0 |
| 99-M-76 | 539.4 | 516.5 | 6.8 | 16.1 | 13.4 | 0.4 | 1.8 | 0.40 | 0.10 | 0 | 0 | 2 |
| 99-M-77 | 447.9 | 427.3 | 5.7 | 14.9 | 11.7 | 0.3 | 2.0 | 0.60 | 0.30 | 0 | 0 | 2 |
| 99-M-78 | 630.8 | 616.9 | 4.4 | 9.5 | 7.1 | 0.3 | 1.4 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-79 | 507.9 | 487.6 | 5.9 | 14.4 | 11.6 | 0.3 | 1.8 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-80 | 614.9 | 588.3 | 8.0 | 18.6 | 15.0 | 0.4 | 2.4 | 0.60 | 0.20 | 0 | 0 | 1 |
| 99-M-81 | 593.3 | 559.0 | 9.2 | 25.1 | 21.1 | 0.6 | 2.5 | 0.60 | 0.30 | 0 | 0 | 2 |
| 99-M-82 | 658.0 | 627.5 | 8.6 | 21.9 | 17.9 | 0.5 | 2.6 | 0.70 | 0.20 | 0 | 0 | 2 |
| 99-M-83 | 733.6 | 691.3 | 12.2 | 30.1 | 23.1 | 0.6 | 4.8 | 1.20 | 0.40 | 0 | 1 | 4 |
| 99-M-84 | 563.3 | 537.7 | 6.9 | 18.7 | 15.5 | 0.2 | 2.2 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-85 | 642.6 | 621.3 | 3.7 | 17.6 | 15.3 | 0.4 | 1.6 | 0.30 | 0.03 | 0 | 0 | 0 |
| 99-M-86 | 647.7 | 616.9 | 8.9 | 21.9 | 17.2 | 0.3 | 3.2 | 0.90 | 0.30 | 0 | 0 | 2 |
| 99-M-87 | 700.2 | 683.3 | 5.0 | 11.9 | 8.6 | 0.3 | 1.9 | 0.70 | 0.40 | 0 | 0 | 1 |
| 99-M-89 | 548.9 | 529.9 | 5.2 | 13.8 | 11.2 | 0.2 | 1.8 | 0.40 | 0.20 | 0 | 0 | 3 |
| 99-M-90 | 468.3 | 443.4 | 6.1 | 18.8 | 16.7 | 0.3 | 1.4 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-91 | 581.1 | 567.0 | 4.1 | 10.0 | 7.4 | 0.2 | 1.8 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-93 | 701.6 | 671.7 | 7.8 | 22.1 | 17.9 | 0.4 | 2.8 | 0.70 | 0.30 | 0 | 0 | 2 |
| 99-M-94 | 698.2 | 668.8 | 7.5 | 21.9 | 17.0 | 0.5 | 2.9 | 0.90 | 0.60 | 0 | 0 | 0 |
| 99-M-95 | 714.6 | 688.2 | 6.9 | 19.5 | 15.0 | 0.4 | 3.1 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-97 | 628.2 | 590.4 | 10.6 | 27.2 | 21.6 | 0.4 | 3.8 | 0.80 | 0.60 | 0 | 0 | 1 |
| 99-M-98 | 768.0 | 741.6 | 7.1 | 19.3 | 13.7 | 0.5 | 3.6 | 1.00 | 0.50 | 0 | 0 | 0 |
| 99-M-100 | 866.7 | 844.7 | 6.5 | 15.5 | 6.7 | 0.8 | 6.0 | 1.20 | 0.80 | 0 | 0 | 3 |
| 99-M-101 | 761.0 | 731.4 | 8.4 | 21.2 | 15.0 | 0.7 | 4.1 | 0.90 | 0.50 | 0 | 0 | 7 |
| 99-M-102 | 552.7 | 525.0 | 6.7 | 21.0 | 17.7 | 0.2 | 2.4 | 0.50 | 0.20 | 0 | 1 | 2 |
| 99-M-104 | 522.2 | 499.0 | 6.0 | 17.2 | 14.8 | 0.2 | 1.6 | 0.40 | 0.20 | 0 | 0 | 2 |
| 99-M-105 | 885.7 | 839.3 | 11.9 | 34.5 | 26.9 | 0.7 | 5.1 | 1.20 | 0.60 | 0 | 0 | 4 |
| 99-M-106 | 573.6 | 548.3 | 6.5 | 18.8 | 15.3 | 0.2 | 2.4 | 0.70 | 0.20 | 0 | 0 | 1 |
| 99-M-107 | 506.3 | 477.3 | 7.1 | 21.9 | 18.8 | 0.3 | 2.2 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-108 | 510.0 | 481.8 | 6.5 | 21.7 | 18.7 | 0.4 | 2.0 | 0.40 | 0.20 | 0 | 0 | 4 |

| | Table Concentrate <2.0 mm (grams) | | | | | | | | | Selected PseudoKIMs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M.I. Separation SG = 3.20 | | | | | | | | 1.0-2.0 mm | 0.5-1.0 mm | 0.25-0.5 mm |
| Sample Site | Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Low-Cr diopside | Low-Cr diopside | Low-Cr diopside |
| 99-M-109 | 654.5 | 620.3 | 9.0 | 25.2 | 21.3 | 0.3 | 2.9 | 0.60 | 0.10 | 0 | 0 | 1 |
| 99-M-111 | 489.9 | 462.3 | 7.1 | 20.5 | 16.8 | 0.4 | 2.6 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-112 | 663.0 | 611.1 | 14.3 | 37.6 | 29.4 | 0.5 | 5.5 | 1.40 | 0.80 | 0 | 0 | 6 |
| 99-M-113 | 414.6 | 390.2 | 5.7 | 18.7 | 16.3 | 0.4 | 1.6 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-114 | 497.2 | 467.5 | 7.4 | 22.3 | 18.8 | 0.3 | 2.6 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-115 | 449.5 | 415.9 | 8.4 | 25.2 | 22.1 | 0.3 | 2.2 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-116 | 899.4 | 874.7 | 4.2 | 20.5 | 10.4 | 0.3 | 5.8 | 2.00 | 2.00 | 0 | 0 | 3 |
| 99-M-118 | 472.5 | 449.4 | 6.2 | 16.9 | 14.1 | 0.4 | 1.8 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-121 | 575.2 | 552.7 | 5.9 | 16.6 | 13.1 | 0.4 | 2.2 | 0.70 | 0.20 | 0 | 0 | 0 |
| 99-M-123 | 722.7 | 698.3 | 5.7 | 18.7 | 14.5 | 0.5 | 2.6 | 0.80 | 0.30 | 0 | 0 | 0 |
| 99-M-124 | 519.6 | 491.1 | 7.2 | 21.3 | 17.5 | 0.5 | 2.6 | 0.60 | 0.10 | 0 | 0 | 3 |
| 99-M-125 | 516.9 | 489.1 | 6.0 | 21.8 | 17.5 | 0.3 | 3.2 | 0.60 | 0.20 | 0 | 0 | 3 |
| 99-M-126 | 707.8 | 682.9 | 6.1 | 18.8 | 13.5 | 0.6 | 3.4 | 0.90 | 0.40 | 0 | 0 | 3 |
| 99-M-127 | 640.5 | 605.3 | 8.4 | 26.8 | 21.0 | 0.5 | 3.9 | 1.00 | 0.40 | 0 | 0 | 2 |
| 99-M-129 | 696.2 | 669.1 | 5.4 | 21.7 | 16.0 | 0.5 | 4.0 | 0.90 | 0.30 | 0 | 0 | 1 |
| 99-M-131 | 456.5 | 440.9 | 3.5 | 12.1 | 9.4 | 0.5 | 1.6 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-134 | 495.9 | 466.0 | 6.8 | 23.1 | 19.0 | 0.7 | 2.6 | 0.60 | 0.20 | 0 | 0 | 1 |
| 99-M-135 | 628.5 | 604.6 | 5.6 | 18.3 | 14.6 | 0.6 | 2.3 | 0.50 | 0.30 | 0 | 0 | 2 |
| 99-M-136 | 444.6 | 424.9 | 5.1 | 14.6 | 11.9 | 0.3 | 1.9 | 0.40 | 0.10 | 0 | 0 | 1 |
| 99-M-139 | 747.8 | 727.3 | 5.5 | 15.0 | 8.6 | 0.7 | 4.3 | 1.00 | 0.40 | 0 | 0 | 2 |
| 99-M-140 | 458.7 | 442.1 | 3.8 | 12.8 | 10.2 | 0.4 | 1.8 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-142 | 528.7 | 501.1 | 6.7 | 20.9 | 16.4 | 0.3 | 3.2 | 0.70 | 0.30 | 0 | 0 | 3 |
| 99-M-145 | 429.0 | 408.0 | 3.4 | 17.6 | 13.8 | 0.8 | 2.4 | 0.50 | 0.10 | 0 | 0 | 1 |
| 99-M-146 | 577.3 | 542.1 | 7.9 | 27.3 | 21.8 | 0.7 | 3.6 | 0.80 | 0.40 | 0 | 0 | 2 |
| 99-M-147 | 569.3 | 537.3 | 7.1 | 24.9 | 20.5 | 0.6 | 2.9 | 0.70 | 0.20 | 0 | 0 | 2 |
| 99-M-148 | 577.5 | 556.5 | 4.8 | 16.2 | 12.5 | 0.4 | 2.3 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-149 | 481.5 | 459.2 | 5.2 | 17.1 | 13.0 | 1.0 | 2.4 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-150 | 548.3 | 499.9 | 11.7 | 36.7 | 32.5 | 0.8 | 2.7 | 0.60 | 0.10 | 0 | 0 | 0 |
| 99-M-151 | 483.6 | 465.5 | 3.7 | 14.4 | 11.2 | 0.7 | 1.9 | 0.40 | 0.20 | 0 | 0 | 4 |
| 99-M-152 | 576.7 | 556.0 | 4.6 | 16.1 | 12.6 | 0.6 | 2.2 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-154 | 598.3 | 578.3 | 4.0 | 16.0 | 12.2 | 0.8 | 2.4 | 0.50 | 0.10 | 0 | 1 | 2 |
| 99-M-155 | 726.7 | 691.9 | 6.5 | 28.3 | 23.2 | 0.8 | 3.0 | 0.90 | 0.40 | 0 | 0 | 2 |
| 99-M-156 | 991.0 | 969.3 | 4.7 | 17.0 | 12.9 | 0.6 | 2.5 | 0.70 | 0.30 | 0 | 0 | 2 |
| 99-M-157 | 510.2 | 481.6 | 6.4 | 22.2 | 16.8 | 0.7 | 3.2 | 1.00 | 0.50 | 0 | 0 | 0 |
| 99-M-201 | 495.0 | 419.9 | 30.7 | 44.4 | 32.2 | 2.3 | 6.6 | 1.80 | 1.50 | 0 | 0 | 1 |
| 99-M-202 | 626.9 | 600.5 | 5.7 | 20.7 | 12.8 | 1.1 | 4.3 | 1.40 | 1.10 | 0 | 0 | 0 |
| 99-M-203 | 454.4 | 417.2 | 8.3 | 28.9 | 24.0 | 0.5 | 3.1 | 0.90 | 0.40 | 0 | 0 | 0 |
| 99-M-204 | 347.9 | 313.7 | 5.6 | 28.6 | 26.3 | 0.6 | 1.2 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-205 | 435.7 | 408.8 | 7.5 | 19.4 | 15.0 | 1.0 | 2.7 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-206 | 391.5 | 372.6 | 4.5 | 14.4 | 12.1 | 0.6 | 1.4 | 0.20 | 0.10 | 0 | 0 | 1 |
| 99-M-207 | 368.7 | 353.6 | 3.6 | 11.5 | 8.7 | 0.7 | 1.6 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-208 | 448.7 | 428.6 | 4.2 | 15.9 | 12.9 | 0.5 | 1.7 | 0.50 | 0.30 | 0 | 0 | 2 |
| 99-M-209 | 399.2 | 372.3 | 6.3 | 20.6 | 16.7 | 1.1 | 2.3 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-210 | 377.2 | 359.2 | 4.5 | 13.5 | 10.0 | 0.8 | 1.8 | 0.50 | 0.40 | 0 | 0 | 0 |
| 99-M-211 | 530.3 | 508.5 | 5.1 | 16.7 | 12.8 | 0.6 | 2.5 | 0.50 | 0.30 | 0 | 0 | 1 |
| 99-M-212 | 427.3 | 416.9 | 2.4 | 8.0 | 6.1 | 0.4 | 1.1 | 0.30 | 0.06 | 0 | 0 | 2 |
| 99-M-213 | 470.9 | 454.7 | 1.8 | 14.4 | 11.2 | 0.4 | 2.2 | 0.50 | 0.10 | 0 | 0 | 1 |

| | Table Concentrate <2.0 mm (grams) | | | | | | | | | | Selected PseudoKIMs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M.I. Separation SG = 3.20 | | | | | | | | | 1.0-2.0 mm | 0.5-1.0 mm | 0.25-0.5 mm |
| Sample Site | Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | | Low-Cr diopside | Low-Cr diopside | Low-Cr diopside |
| 99-M-214 | 456.6 | 427.3 | 5.8 | 23.5 | 13.6 | 2.7 | 3.9 | 2.20 | 1.10 | | 0 | 0 | 2 |
| 99-M-215 | 548.8 | 528.6 | 4.6 | 15.6 | 12.4 | 0.5 | 2.0 | 0.50 | 0.20 | | 0 | 0 | 0 |
| 99-M-217 | 794.1 | 787.5 | 1.4 | 5.2 | 1.0 | 0.4 | 1.9 | 1.40 | 0.50 | | 0 | 0 | 1 |
| 99-M-218 | 510.0 | 499.3 | 2.5 | 8.2 | 6.5 | 0.5 | 0.9 | 0.20 | 0.10 | | 0 | 0 | 1 |
| 99-M-219 | 528.5 | 509.4 | 4.1 | 15.0 | 13.2 | 0.3 | 1.2 | 0.30 | 0.04 | | 0 | 0 | 0 |
| 99-M-220 | 640.2 | 624.0 | 3.8 | 12.4 | 10.3 | 0.4 | 1.3 | 0.30 | 0.10 | | 0 | 0 | 0 |
| 99-M-221 | 601.0 | 577.5 | 3.7 | 19.8 | 15.6 | 0.4 | 2.8 | 0.70 | 0.30 | | 0 | 0 | 1 |
| 99-M-223 | 893.2 | 875.5 | 4.3 | 13.4 | 7.2 | 0.6 | 3.5 | 1.40 | 0.70 | | 0 | 0 | 2 |
| 99-M-224 | 463.2 | 451.5 | 3.3 | 8.4 | 6.3 | 0.5 | 1.2 | 0.30 | 0.10 | | 0 | 0 | 1 |
| 99-M-225 | 653.0 | 636.0 | 3.2 | 13.8 | 9.6 | 0.7 | 2.5 | 0.70 | 0.30 | | 0 | 0 | 2 |
| 99-M-226 | 520.4 | 500.9 | 4.5 | 15.0 | 11.7 | 0.4 | 2.1 | 0.60 | 0.20 | | 0 | 0 | 2 |
| 99-M-227 | 430.6 | 415.7 | 3.4 | 11.5 | 8.8 | 0.5 | 1.7 | 0.40 | 0.10 | | 0 | 0 | 0 |
| 99-M-228 | 461.7 | 452.8 | 2.1 | 6.8 | 5.0 | 0.3 | 1.1 | 0.30 | 0.10 | | 0 | 0 | 1 |
| 99-M-229 | 441.7 | 429.1 | 3.2 | 9.4 | 7.1 | 0.4 | 1.2 | 0.40 | 0.30 | | 0 | 0 | 0 |
| 99-M-230 | 554.9 | 541.1 | 3.1 | 10.7 | 8.0 | 0.3 | 1.8 | 0.50 | 0.10 | | 0 | 0 | 0 |
| 99-M-233 | 456.8 | 445.2 | 2.8 | 8.8 | 6.2 | 0.6 | 1.4 | 0.40 | 0.20 | | 0 | 0 | 1 |
| 99-M-234 | 419.2 | 411.5 | 2.1 | 5.6 | 4.0 | 0.2 | 1.0 | 0.30 | 0.10 | | 0 | 0 | 0 |
| 99-M-235 | 698.7 | 659.9 | 8.0 | 30.8 | 24.8 | 0.9 | 3.3 | 1.00 | 0.80 | | 0 | 0 | 1 |
| 99-M-236 | 545.0 | 534.6 | 2.3 | 8.1 | 6.3 | 0.5 | 1.0 | 0.20 | 0.10 | | 0 | 0 | 1 |
| 99-M-237 | 461.3 | 448.5 | 3.1 | 9.7 | 7.2 | 0.6 | 1.5 | 0.30 | 0.10 | | 0 | 0 | 0 |
| 99-M-238 | 452.0 | 430.0 | 5.0 | 17.0 | 14.3 | 0.4 | 1.8 | 0.40 | 0.10 | | 0 | 0 | 2 |
| 99-M-239 | 465.7 | 447.3 | 4.0 | 14.4 | 11.7 | 0.4 | 1.6 | 0.50 | 0.20 | | 0 | 0 | 0 |
| 99-M-240 | 459.5 | 444.7 | 2.8 | 12.0 | 9.3 | 0.6 | 1.3 | 0.50 | 0.30 | | 0 | 0 | 0 |
| 99-M-241 | 505.7 | 496.4 | 2.5 | 6.8 | 5.3 | 0.1 | 0.9 | 0.30 | 0.20 | | 0 | 0 | 0 |
| 99-M-242 | 449.2 | 438.2 | 2.7 | 8.3 | 6.5 | 0.2 | 1.0 | 0.30 | 0.30 | | 0 | 0 | 0 |
| 99-M-243 | 609.7 | 596.2 | 4.1 | 9.4 | 6.7 | 0.3 | 1.6 | 0.50 | 0.30 | | 0 | 0 | 0 |
| 99-M-245 | 518.1 | 494.7 | 6.8 | 16.6 | 12.4 | 0.3 | 2.6 | 0.80 | 0.50 | | 0 | 0 | 1 |
| 99-M-246 | 559.5 | 535.7 | 5.4 | 18.4 | 15.1 | 0.6 | 2.0 | 0.50 | 0.20 | | 0 | 0 | 0 |
| 99-M-248 | 725.3 | 707.5 | 3.9 | 13.9 | 10.3 | 0.6 | 2.1 | 0.60 | 0.30 | | 0 | 1 | 0 |
| 99-M-249 | 458.2 | 445.9 | 3.5 | 8.8 | 6.4 | 0.5 | 1.4 | 0.40 | 0.10 | | 0 | 0 | 0 |
| 99-M-250 | 863.3 | 835.8 | 7.1 | 20.4 | 17.6 | 0.2 | 2.0 | 0.50 | 0.10 | | 0 | 0 | 1 |
| 99-M-251 | 396.9 | 373.6 | 5.0 | 18.3 | 16.9 | 0.2 | 1.0 | 0.20 | 0.04 | | 0 | 0 | 0 |
| 99-M-252 | 604.5 | 584.4 | 4.5 | 15.6 | 11.8 | 0.4 | 2.5 | 0.60 | 0.30 | | 0 | 0 | 0 |
| 99-M-253 | 409.8 | 382.2 | 7.3 | 20.3 | 16.0 | 0.3 | 2.8 | 0.80 | 0.40 | | 0 | 0 | 0 |
| 99-M-257 | 468.5 | 417.2 | 14.1 | 37.2 | 28.6 | 1.1 | 5.4 | 0.90 | 1.20 | | 0 | 0 | 3 |
| 99-M-259 | 611.8 | 596.4 | 2.8 | 12.6 | 9.3 | 0.4 | 2.3 | 0.50 | 0.10 | | 0 | 0 | 0 |
| 99-M-260 | 477.8 | 467.6 | 2.6 | 7.6 | 5.7 | 0.4 | 1.1 | 0.30 | 0.10 | | 0 | 0 | 0 |
| 99-M-261 | 621.9 | 595.0 | 1.0 | 25.9 | 20.5 | 0.9 | 3.3 | 0.80 | 0.40 | | 0 | 0 | 1 |
| 99-M-262 | 472.7 | 449.2 | 6.2 | 17.3 | 13.9 | 0.5 | 2.2 | 0.50 | 0.20 | | 0 | 0 | 1 |
| 99-M-263 | 485.6 | 461.1 | 8.0 | 16.5 | 15.1 | 0.1 | 1.0 | 0.20 | 0.10 | | 0 | 0 | 0 |
| 99-M-264 | 705.7 | 678.8 | 5.5 | 21.4 | 15.6 | 0.7 | 3.7 | 0.90 | 0.50 | | 0 | 0 | 0 |
| 99-M-265 | 376.7 | 362.5 | 3.3 | 10.9 | 9.3 | 0.3 | 1.0 | 0.20 | 0.10 | | 0 | 0 | 2 |
| 99-M-266 | 514.6 | 494.9 | 5.1 | 14.6 | 11.2 | 0.4 | 2.2 | 0.60 | 0.20 | | 0 | 0 | 1 |
| 99-M-267 | 527.2 | 517.7 | 2.8 | 6.7 | 5.3 | 0.1 | 1.0 | 0.20 | 0.10 | | 0 | 0 | 0 |
| 99-M-268 | 520.8 | 489.9 | 8.1 | 22.8 | 21.4 | 0.1 | 1.0 | 0.20 | 0.10 | | 0 | 0 | 0 |
| 99-M-269 | 398.9 | 386.2 | 3.5 | 9.2 | 7.4 | 0.0 | 1.1 | 0.50 | 0.20 | | 0 | 0 | 0 |
| 99-M-271 | 439.9 | 426.5 | 3.5 | 9.9 | 8.5 | 0.2 | 0.9 | 0.20 | 0.10 | | 0 | 0 | 0 |

| Sample Site | Table Concentrate <2.0 mm (grams) Total | M.I. Separation SG = 3.20 M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Selected PseudoKIMs 1.0-2.0 mm Low-Cr diopside | 0.5-1.0 mm Low-Cr diopside | 0.25-0.5 mm Low-Cr diopside |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99-M-272 | 501.3 | 485.0 | 4.9 | 11.4 | 9.2 | 0.2 | 1.5 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-273 | 487.2 | 472.6 | 4.3 | 10.3 | 8.3 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 1 | 1 |
| 99-M-274 | 540.8 | 523.4 | 2.2 | 15.2 | 14.3 | 0.2 | 0.5 | 0.10 | 0.10 | 0 | 0 | 0 |
| 99-M-275 | 529.9 | 505.7 | 6.4 | 17.8 | 15.1 | 0.4 | 1.8 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-276 | 406.2 | 387.0 | 5.1 | 14.1 | 12.1 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-277 | 515.0 | 486.4 | 6.8 | 21.8 | 19.2 | 0.4 | 1.8 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-278 | 557.3 | 537.0 | 5.7 | 14.6 | 12.0 | 0.4 | 1.6 | 0.50 | 0.10 | 0 | 0 | 1 |
| 99-M-279 | 382.2 | 347.6 | 8.4 | 26.2 | 25.4 | 0.3 | 0.4 | 0.10 | 0.01 | 0 | 0 | 1 |
| 99-M-280 | 713.1 | 637.1 | 13.0 | 63.0 | 60.5 | 0.2 | 1.6 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-281 | 801.2 | 776.4 | 6.9 | 17.9 | 13.5 | 0.6 | 2.1 | 1.00 | 0.70 | 0 | 0 | 0 |
| 99-M-282 | 493.0 | 478.3 | 4.0 | 10.7 | 8.3 | 0.2 | 1.4 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-284 | 897.7 | 880.3 | 3.7 | 13.7 | 10.4 | 0.3 | 2.1 | 0.60 | 0.30 | 0 | 0 | 2 |
| 99-M-286 | 810.8 | 783.9 | 9.3 | 17.6 | 13.6 | 0.3 | 2.4 | 0.90 | 0.40 | 0 | 0 | 1 |
| 99-M-287 | 577.3 | 561.3 | 4.1 | 11.9 | 9.7 | 0.3 | 1.5 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-288 | 479.7 | 463.6 | 4.3 | 11.8 | 9.7 | 0.1 | 1.7 | 0.20 | 0.10 | 0 | 0 | 1 |
| 99-M-289 | 569.0 | 544.5 | 6.3 | 18.2 | 15.5 | 0.2 | 2.0 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-290 | 371.3 | 358.0 | 3.3 | 10.0 | 8.0 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 1 |
| 99-M-291 | 531.3 | 515.2 | 4.0 | 12.1 | 10.1 | 0.2 | 1.3 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-292 | 670.4 | 632.0 | 10.4 | 28.0 | 22.1 | 1.0 | 3.9 | 0.80 | 0.20 | 0 | 0 | 1 |
| 99-M-293 | 570.3 | 539.1 | 8.2 | 23.0 | 19.1 | 0.7 | 2.5 | 0.50 | 0.20 | 0 | 0 | 1 |
| 99-M-294 | 588.0 | 566.9 | 6.7 | 14.4 | 9.3 | 0.7 | 3.3 | 0.80 | 0.30 | 0 | 0 | 1 |
| 99-M-295 | 1272.9 | 1240.8 | 9.6 | 22.5 | 13.3 | 1.3 | 6.9 | 0.70 | 0.30 | 0 | 0 | 4 |
| 99-M-296 | 567.3 | 542.5 | 6.8 | 18.0 | 14.6 | 0.7 | 2.2 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-297 | 517.2 | 499.5 | 4.6 | 13.1 | 10.9 | 0.6 | 1.3 | 0.20 | 0.10 | 0 | 0 | 0 |
| 99-M-298 | 704.4 | 675.4 | 7.7 | 21.3 | 17.5 | 0.8 | 2.4 | 0.50 | 0.10 | 0 | 0 | 2 |
| 99-M-300 | 518.2 | 498.0 | 5.3 | 14.9 | 13.2 | 0.4 | 1.1 | 0.20 | 0.04 | 0 | 0 | 0 |
| 99-M-301 | 423.3 | 385.0 | 9.2 | 29.1 | 26.8 | 0.9 | 1.3 | 0.10 | 0.05 | 0 | 0 | 0 |
| 99-M-302 | 536.9 | 511.0 | 4.9 | 21.0 | 17.9 | 0.6 | 2.0 | 0.40 | 0.10 | 0 | 0 | 0 |
| 99-M-303 | 553.4 | 540.3 | 3.9 | 9.2 | 7.2 | 0.2 | 1.3 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-304 | 636.7 | 617.7 | 5.1 | 13.9 | 11.1 | 0.4 | 1.8 | 0.40 | 0.20 | 0 | 0 | 2 |
| 99-M-305 | 623.8 | 579.2 | 13.0 | 31.6 | 28.0 | 0.5 | 2.6 | 0.40 | 0.06 | 0 | 0 | 0 |
| 99-M-306 | 508.3 | 475.3 | 8.8 | 24.2 | 20.5 | 0.7 | 2.6 | 0.30 | 0.10 | 0 | 0 | 2 |
| 99-M-307 | 1094.2 | 1086.3 | 1.2 | 6.7 | 3.1 | 0.5 | 2.0 | 0.90 | 0.20 | 0 | 0 | 0 |
| 99-M-308 | 681.0 | 647.2 | 11.2 | 22.6 | 18.9 | 0.5 | 2.5 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-309 | 178.5 | 162.3 | 4.7 | 11.5 | 10.7 | 0.2 | 0.5 | 0.10 | 0.05 | 0 | 0 | 0 |
| 99-M-310 | 999.8 | 981.2 | 5.4 | 13.2 | 11.2 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-311 | 447.7 | 430.7 | 4.5 | 12.5 | 9.6 | 0.4 | 1.8 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-312 | 475.0 | 463.3 | 3.5 | 8.2 | 4.8 | 0.4 | 1.9 | 0.70 | 0.40 | 0 | 0 | 0 |
| 99-M-313 | 1013.3 | 1008.1 | 0.8 | 4.4 | 1.2 | 0.2 | 1.9 | 0.70 | 0.40 | 0 | 0 | 0 |
| 99-M-314 | 461.8 | 449.5 | 3.2 | 9.1 | 6.7 | 0.4 | 1.4 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-315 | 412.2 | 407.5 | 1.6 | 3.1 | 1.7 | 0.1 | 0.8 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-316 | 522.2 | 513.1 | 2.8 | 6.3 | 4.2 | 0.4 | 1.2 | 0.30 | 0.20 | 0 | 0 | 0 |
| 99-M-317 | 532.3 | 524.1 | 0.6 | 7.6 | 5.2 | 0.2 | 1.5 | 0.50 | 0.20 | 0 | 0 | 0 |
| 99-M-319 | 459.2 | 447.9 | 3.1 | 8.2 | 6.1 | 0.2 | 1.3 | 0.40 | 0.20 | 0 | 0 | 1 |
| 99-M-320 | 475.9 | 461.9 | 3.6 | 10.4 | 7.7 | 0.5 | 1.4 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-324 | 382.1 | 372.3 | 2.5 | 7.3 | 5.3 | 0.3 | 1.3 | 0.30 | 0.10 | 0 | 0 | 0 |
| 99-M-326 | 416.8 | 401.8 | 3.6 | 11.4 | 8.5 | 0.2 | 1.8 | 0.60 | 0.30 | 0 | 0 | 1 |
| 99-M-327 | 517.7 | 501.2 | 3.8 | 12.7 | 9.2 | 0.3 | 2.2 | 0.70 | 0.30 | 0 | 0 | 1 |
| 99-M-329 | 498.6 | 478.1 | 5.3 | 15.2 | 11.9 | 0.4 | 1.9 | 0.70 | 0.30 | 0 | 0 | 2 |

| | Table Concentrate <2.0 mm (grams) | | | | | | | | | Selected PseudoKIMs | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M.I. Separation SG = 3.20 | | | | | | | | 1.0-2.0 mm | 0.5-1.0 mm | 0.25-0.5 mm |
| Sample Site | Total | M.I. Lights | Total Mag | Nonmag Total | -0.25 mm | <0.25 mm (wash) | 0.25 to 0.5 mm | 0.5 to 1.0 mm | 1.0 to 2.0 mm | Low-Cr diopside | Low-Cr diopside | Low-Cr diopside |
| 99-M-330 | 446.0 | 433.1 | 2.8 | 10.1 | 7.1 | 0.4 | 1.6 | 0.60 | 0.40 | 0 | 0 | 0 |
| 99-M-331 | 494.4 | 479.6 | 3.3 | 11.5 | 8.4 | 0.6 | 1.7 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-332 | 414.6 | 398.2 | 3.4 | 13.0 | 10.0 | 0.5 | 1.6 | 0.60 | 0.30 | 0 | 0 | 1 |
| 99-M-334 | 544.4 | 525.6 | 4.8 | 14.0 | 9.6 | 0.5 | 2.3 | 0.90 | 0.70 | 0 | 0 | 0 |
| 99-M-335 | 784.9 | 745.0 | 11.4 | 28.5 | 21.8 | 1.1 | 4.0 | 1.00 | 0.60 | 0 | 0 | 1 |
| 99-M-338 | 411.9 | 395.2 | 3.7 | 13.0 | 7.6 | 0.3 | 2.5 | 1.80 | 0.80 | 0 | 0 | 1 |
| 99-M-339 | 518.1 | 507.4 | 2.9 | 7.8 | 4.6 | 0.2 | 1.5 | 0.70 | 0.80 | 0 | 0 | 0 |
| 99-M-341 | 719.9 | 705.7 | 3.4 | 10.8 | 7.1 | 0.4 | 2.0 | 0.80 | 0.50 | 0 | 0 | 0 |
| 99-M-342 | 496.0 | 443.9 | 32.1 | 20.0 | 11.4 | 1.0 | 2.9 | 2.00 | 2.70 | 0 | 0 | 0 |
| 99-M-343 | 1053.1 | 1024.8 | 8.7 | 19.6 | 13.2 | 0.7 | 3.5 | 1.30 | 0.90 | 0 | 0 | 0 |
| 99-M-344 | 459.7 | 447.5 | 3.9 | 8.3 | 6.0 | 0.1 | 1.2 | 0.50 | 0.50 | 0 | 0 | 0 |
| 99-M-345 | 432.5 | 420.0 | 3.5 | 9.0 | 6.8 | 0.3 | 1.3 | 0.40 | 0.20 | 0 | 0 | 0 |
| 99-M-346 | 420.5 | 404.8 | 2.7 | 13.0 | 7.9 | 1.2 | 2.4 | 1.10 | 0.40 | 0 | 0 | 0 |
| 99-M-347 | 636.6 | 622.3 | 4.5 | 9.8 | 6.6 | 0.5 | 1.9 | 0.50 | 0.30 | 0 | 0 | 0 |
| 99-M-349 | 646.6 | 627.8 | 6.0 | 12.8 | 8.8 | 0.8 | 2.3 | 0.60 | 0.30 | 0 | 0 | 1 |
| 99-M-350 | 683.1 | 661.4 | 5.4 | 16.3 | 11.9 | 0.6 | 2.6 | 0.80 | 0.40 | 0 | 0 | 0 |
| 99-M-351 | 394.3 | 388.9 | 2.0 | 3.4 | 2.5 | 0.1 | 0.6 | 0.20 | 0.04 | 0 | 0 | 0 |

| | KIM COUNT (* species not rigorously picked; excluded from total) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| Sample Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-04 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-07 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 4 |
| 99-M-12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 99-M-36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 99-M-41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 99-M-44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

KIM COUNT (* species not rigorously picked; excluded from total)

| Sample Site | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | Total KIMs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | |
| 99-M-51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 4 | 0 | 8 |
| 99-M-64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-66 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 99-M-67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 99-M-75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-76 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-81 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-82 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-85 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-87 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-89 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 99-M-90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-91 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-93 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-95 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-97 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 | 1 | 1 |
| 99-M-101 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 20(75) | 0 | 80 |
| 99-M-105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-106 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-107 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |

| Sample Site | KIM COUNT (* species not rigorously picked; excluded from total) | | | | | | | | | | | | | | | | | | Total KIMs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | |
| 99-M-109 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-112 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 3 | 0 | 4 |
| 99-M-113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 99-M-114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 3 |
| 99-M-118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 99-M-126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| 99-M-127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-134 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 6 |
| 99-M-135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 99-M-139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 5 | 0 | 9 |
| 99-M-140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-142 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 99-M-145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-146 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-147 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| 99-M-150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-152 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-155 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 3 |
| 99-M-202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-205 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-208 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-210 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

KIM COUNT (* species not rigorously picked; excluded from total)

| Sample Site | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | Total KIMs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | |
| 99-M-214 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-217 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-219 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-220 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-223 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-224 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-226 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-229 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-234 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| 99-M-236 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-238 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-239 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-241 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-242 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-245 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-246 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-251 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 4 |
| 99-M-253 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 |
| 99-M-257 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| 99-M-259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 4 |
| 99-M-262 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-264 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-266 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-267 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-268 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-271 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |

| | KIM COUNT (* species not rigorously picked; excluded from total) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| Sample Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-272 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 99-M-273 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-274 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-276 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-277 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-279 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-286 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-287 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-288 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-289 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-292 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-294 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 |
| 99-M-295 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-297 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-298 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-301 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-303 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-304 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 |
| 99-M-305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-306 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| 99-M-307 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-308 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 99-M-309 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-311 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| 99-M-313 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-314 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-315 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-317 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-319 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| 99-M-320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-327 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-329 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

| | KIM COUNT (* species not rigorously picked; excluded from total) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1.0 to 2.0 mm | | | | | | 0.5 to 1.0 mm | | | | | | 0.25 to 0.5 mm | | | | | | |
| Sample Site | GP | GO | DC | IM | CR | FO* | GP | GO | DC | IM | CR | FO* | GP | GO* | DC | IM* | CR | FO* | Total KIMs |
| 99-M-330 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-331 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-332 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 99-M-334 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| 99-M-338 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 99-M-339 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-341 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-342 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 99-M-344 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-346 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-347 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-349 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 99-M-350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 99-M-351 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Sample Site | Number of Visible Gold Grains: Total | Reshaped | Modified | Pristine | Non-Mag Weight | Calculated PPB Visible Gold: Total (ppb) | Reshaped (ppb) | Modified (ppb) | Pristine (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| 99-M-02 | 2 | 2 | 0 | 0 | 16.2 | 3 | 3 | 0 | 0 |
| 99-M-03 | 0 | 0 | 0 | 0 | 17.4 | 0 | 0 | 0 | 0 |
| 99-M-04 | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | 0 | 0 |
| 99-M-05 | 0 | 0 | 0 | 0 | 10.4 | 0 | 0 | 0 | 0 |
| 99-M-07 | 2 | 2 | 0 | 0 | 27.6 | 20 | 20 | 0 | 0 |
| 99-M-08 | 3 | 2 | 1 | 0 | 14.7 | 11 | 6 | 6 | 0 |
| 99-M-09 | 1 | 1 | 0 | 0 | 12.7 | 6 | 6 | 0 | 0 |
| 99-M-10 | 4 | 4 | 0 | 0 | 7.7 | 98 | 98 | 0 | 0 |
| 99-M-11 | 0 | 0 | 0 | 0 | 15.3 | 0 | 0 | 0 | 0 |
| 99-M-12 | 2 | 2 | 0 | 0 | 9.7 | 21 | 21 | 0 | 0 |
| 99-M-13 | 0 | 0 | 0 | 0 | 16.5 | 0 | 0 | 0 | 0 |
| 99-M-14 | 0 | 0 | 0 | 0 | 13.5 | 0 | 0 | 0 | 0 |
| 99-M-15 | 2 | 1 | 1 | 0 | 21.1 | 10 | 9 | 1 | 0 |
| 99-M-16 | 0 | 0 | 0 | 0 | 11.4 | 0 | 0 | 0 | 0 |
| 99-M-17 | 1 | 1 | 0 | 0 | 16.0 | 40 | 40 | 0 | 0 |
| 99-M-18 | 3 | 3 | 0 | 0 | 22.8 | 169 | 169 | 0 | 0 |
| 99-M-19 | 0 | 0 | 0 | 0 | 15.5 | 0 | 0 | 0 | 0 |
| 99-M-21 | 0 | 0 | 0 | 0 | 17.4 | 0 | 0 | 0 | 0 |
| 99-M-25 | 1 | 1 | 0 | 0 | 13.7 | 2 | 2 | 0 | 0 |
| 99-M-26 | 4 | 4 | 0 | 0 | 14.6 | 83 | 83 | 0 | 0 |
| 99-M-27 | 0 | 0 | 0 | 0 | 14.3 | 0 | 0 | 0 | 0 |
| 99-M-28 | 2 | 2 | 0 | 0 | 9.5 | 5 | 5 | 0 | 0 |
| 99-M-29 | 0 | 0 | 0 | 0 | 9.1 | 0 | 0 | 0 | 0 |
| 99-M-30 | 3 | 3 | 0 | 0 | 16.7 | 91 | 91 | 0 | 0 |
| 99-M-31 | 0 | 0 | 0 | 0 | 5.8 | 0 | 0 | 0 | 0 |
| 99-M-32 | 0 | 0 | 0 | 0 | 10.3 | 0 | 0 | 0 | 0 |
| 99-M-33 | 0 | 0 | 0 | 0 | 8.7 | 0 | 0 | 0 | 0 |
| 99-M-34 | 0 | 0 | 0 | 0 | 7.5 | 0 | 0 | 0 | 0 |
| 99-M-35 | 0 | 0 | 0 | 0 | 13.0 | 0 | 0 | 0 | 0 |
| 99-M-36 | 0 | 0 | 0 | 0 | 13.3 | 0 | 0 | 0 | 0 |
| 99-M-39 | 2 | 2 | 0 | 0 | 17.1 | 13 | 13 | 0 | 0 |
| 99-M-40 | 2 | 2 | 0 | 0 | 23.0 | 17 | 17 | 0 | 0 |
| 99-M-41 | 3 | 3 | 0 | 0 | 15.4 | 42 | 42 | 0 | 0 |
| 99-M-42 | 0 | 0 | 0 | 0 | 10.7 | 0 | 0 | 0 | 0 |
| 99-M-43 | 3 | 3 | 0 | 0 | 13.3 | 31 | 31 | 0 | 0 |
| 99-M-44 | 3 | 2 | 1 | 0 | 17.1 | 40 | 38 | 1 | 0 |
| 99-M-45 | 0 | 0 | 0 | 0 | 6.1 | 0 | 0 | 0 | 0 |
| 99-M-46 | 1 | 1 | 0 | 0 | 12.7 | 226 | 226 | 0 | 0 |
| 99-M-47 | 0 | 0 | 0 | 0 | 22.0 | 0 | 0 | 0 | 0 |
| 99-M-48 | 0 | 0 | 0 | 0 | 12.6 | 0 | 0 | 0 | 0 |
| 99-M-49 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 | 0 | 0 |
| 99-M-50 | 3 | 2 | 1 | 0 | 41.2 | 76 | 52 | 25 | 0 |

| | Number of Visible Gold Grains | | | | | Calculated PPB Visible Gold | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample Site | Total | Reshaped | Modified | Pristine | Non-Mag Weight | Total (ppb) | Reshaped (ppb) | Modified (ppb) | Pristine (ppb) |
| 99-M-51 | 0 | 0 | 0 | 0 | 25.2 | 0 | 0 | 0 | 0 |
| 99-M-52 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 99-M-53 | 4 | 4 | 0 | 0 | 34.8 | 8 | 8 | 0 | 0 |
| 99-M-54 | 0 | 0 | 0 | 0 | 30.8 | 0 | 0 | 0 | 0 |
| 99-M-55 | 2 | 1 | 1 | 0 | 29.6 | 9 | 6 | 3 | 0 |
| 99-M-56 | 1 | 1 | 0 | 0 | 40.8 | 9 | 9 | 0 | 0 |
| 99-M-57 | 1 | 1 | 0 | 0 | 38.4 | 10 | 10 | 0 | 0 |
| 99-M-59 | 2 | 2 | 0 | 0 | 34.0 | 3 | 3 | 0 | 0 |
| 99-M-63 | 3 | 3 | 0 | 0 | 36.4 | 5 | 5 | 0 | 0 |
| 99-M-64 | 3 | 3 | 0 | 0 | 34.8 | 3 | 3 | 0 | 0 |
| 99-M-65 | 1 | 1 | 0 | 0 | 30.8 | 21 | 21 | 0 | 0 |
| 99-M-66 | 2 | 2 | 0 | 0 | 42.8 | 26 | 26 | 0 | 0 |
| 99-M-67 | 1 | 1 | 0 | 0 | 39.2 | 2 | 2 | 0 | 0 |
| 99-M-68 | 0 | 0 | 0 | 0 | 31.2 | 0 | 0 | 0 | 0 |
| 99-M-69 | 0 | 0 | 0 | 0 | 29.2 | 0 | 0 | 0 | 0 |
| 99-M-70 | 0 | 0 | 0 | 0 | 32.0 | 0 | 0 | 0 | 0 |
| 99-M-71 | 3 | 2 | 1 | 0 | 39.6 | 22 | 5 | 16 | 0 |
| 99-M-73 | 0 | 0 | 0 | 0 | 38.8 | 0 | 0 | 0 | 0 |
| 99-M-74 | 2 | 2 | 0 | 0 | 38.0 | 2 | 2 | 0 | 0 |
| 99-M-75 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 99-M-76 | 1 | 1 | 0 | 0 | 34.0 | 2 | 2 | 0 | 0 |
| 99-M-77 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 99-M-78 | 0 | 0 | 0 | 0 | 30.8 | 0 | 0 | 0 | 0 |
| 99-M-79 | 3 | 2 | 1 | 0 | 36.4 | 16 | 6 | 10 | 0 |
| 99-M-80 | 4 | 4 | 0 | 0 | 42.8 | 106 | 106 | 0 | 0 |
| 99-M-81 | 2 | 2 | 0 | 0 | 40.4 | 14 | 14 | 0 | 0 |
| 99-M-82 | 3 | 3 | 0 | 0 | 41.6 | 14 | 14 | 0 | 0 |
| 99-M-83 | 3 | 3 | 0 | 0 | 45.2 | 139 | 139 | 0 | 0 |
| 99-M-84 | 2 | 2 | 0 | 0 | 35.2 | 202 | 202 | 0 | 0 |
| 99-M-85 | 2 | 2 | 0 | 0 | 41.2 | 10 | 10 | 0 | 0 |
| 99-M-86 | 4 | 3 | 1 | 0 | 44.4 | 18 | 14 | 4 | 0 |
| 99-M-87 | 3 | 3 | 0 | 0 | 35.6 | 47 | 47 | 0 | 0 |
| 99-M-89 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 99-M-90 | 1 | 1 | 0 | 0 | 30.4 | 49 | 49 | 0 | 0 |
| 99-M-91 | 1 | 1 | 0 | 0 | 31.6 | 6 | 6 | 0 | 0 |
| 99-M-93 | 2 | 2 | 0 | 0 | 44.0 | 10 | 10 | 0 | 0 |
| 99-M-94 | 1 | 1 | 0 | 0 | 35.6 | 5 | 5 | 0 | 0 |
| 99-M-95 | 2 | 1 | 1 | 0 | 44.0 | 2 | 2 | 0 | 0 |
| 99-M-97 | 0 | 0 | 0 | 0 | 40.4 | 0 | 0 | 0 | 0 |
| 99-M-98 | 1 | 1 | 0 | 0 | 38.0 | 39 | 39 | 0 | 0 |
| 99-M-100 | 0 | 0 | 0 | 0 | 37.6 | 0 | 0 | 0 | 0 |
| 99-M-101 | 1 | 1 | 0 | 0 | 35.2 | 82 | 82 | 0 | 0 |
| 99-M-102 | 0 | 0 | 0 | 0 | 35.6 | 0 | 0 | 0 | 0 |
| 99-M-104 | 2 | 2 | 0 | 0 | 39.2 | 10 | 10 | 0 | 0 |
| 99-M-105 | 0 | 0 | 0 | 0 | 46.0 | 0 | 0 | 0 | 0 |
| 99-M-106 | 0 | 0 | 0 | 0 | 39.2 | 0 | 0 | 0 | 0 |
| 99-M-107 | 3 | 3 | 0 | 0 | 42.4 | 20 | 20 | 0 | 0 |
| 99-M-108 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |

| | Number of Visible Gold Grains | | | | | Calculated PPB Visible Gold | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample Site | Total | Reshaped | Modified | Pristine | Non-Mag Weight | Total (ppb) | Reshaped (ppb) | Modified (ppb) | Pristine (ppb) |
| 99-M-109 | 3 | 3 | 0 | 0 | 41.2 | 126 | 126 | 0 | 0 |
| 99-M-111 | 1 | 1 | 0 | 0 | 40.4 | 1 | 1 | 0 | 0 |
| 99-M-112 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 |
| 99-M-113 | 0 | 0 | 0 | 0 | 32.0 | 0 | 0 | 0 | 0 |
| 99-M-114 | 2 | 2 | 0 | 0 | 38.4 | 4 | 4 | 0 | 0 |
| 99-M-115 | 1 | 1 | 0 | 0 | 38.8 | 2 | 2 | 0 | 0 |
| 99-M-116 | 0 | 0 | 0 | 0 | 35.6 | 0 | 0 | 0 | 0 |
| 99-M-118 | 0 | 0 | 0 | 0 | 31.2 | 0 | 0 | 0 | 0 |
| 99-M-121 | 0 | 0 | 0 | 0 | 42.8 | 0 | 0 | 0 | 0 |
| 99-M-123 | 0 | 0 | 0 | 0 | 43.2 | 0 | 0 | 0 | 0 |
| 99-M-124 | 1 | 1 | 0 | 0 | 40.4 | 5 | 5 | 0 | 0 |
| 99-M-125 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 99-M-126 | 2 | 2 | 0 | 0 | 34.0 | 85 | 85 | 0 | 0 |
| 99-M-127 | 1 | 1 | 0 | 0 | 35.2 | 1 | 1 | 0 | 0 |
| 99-M-129 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 99-M-131 | 0 | 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 0 |
| 99-M-134 | 3 | 3 | 0 | 0 | 38.4 | 33 | 33 | 0 | 0 |
| 99-M-135 | 0 | 0 | 0 | 0 | 42.4 | 0 | 0 | 0 | 0 |
| 99-M-136 | 2 | 2 | 0 | 0 | 31.6 | 3 | 3 | 0 | 0 |
| 99-M-139 | 2 | 2 | 0 | 0 | 27.2 | 10 | 10 | 0 | 0 |
| 99-M-140 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 99-M-142 | 2 | 2 | 0 | 0 | 29.6 | 41 | 41 | 0 | 0 |
| 99-M-145 | 0 | 0 | 0 | 0 | 40.0 | 0 | 0 | 0 | 0 |
| 99-M-146 | 1 | 1 | 0 | 0 | 39.2 | 10 | 10 | 0 | 0 |
| 99-M-147 | 3 | 3 | 0 | 0 | 40.0 | 2 | 2 | 0 | 0 |
| 99-M-148 | 0 | 0 | 0 | 0 | 40.0 | 0 | 0 | 0 | 0 |
| 99-M-149 | 1 | 1 | 0 | 0 | 38.0 | 2 | 2 | 0 | 0 |
| 99-M-150 | 3 | 3 | 0 | 0 | 41.6 | 10 | 10 | 0 | 0 |
| 99-M-151 | 2 | 2 | 0 | 0 | 34.8 | 2 | 2 | 0 | 0 |
| 99-M-152 | 3 | 3 | 0 | 0 | 40.4 | 5 | 5 | 0 | 0 |
| 99-M-154 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 99-M-155 | 1 | 1 | 0 | 0 | 42.0 | 2 | 2 | 0 | 0 |
| 99-M-156 | 1 | 1 | 0 | 0 | 42.8 | 9 | 9 | 0 | 0 |
| 99-M-157 | 2 | 2 | 0 | 0 | 40.8 | 18 | 18 | 0 | 0 |
| 99-M-201 | 2 | 2 | 0 | 0 | 33.2 | 17 | 17 | 0 | 0 |
| 99-M-202 | 0 | 0 | 0 | 0 | 34.8 | 0 | 0 | 0 | 0 |
| 99-M-203 | 4 | 4 | 0 | 0 | 42.0 | 11 | 11 | 0 | 0 |
| 99-M-204 | 1 | 1 | 0 | 0 | 33.2 | 6 | 6 | 0 | 0 |
| 99-M-205 | 3 | 3 | 0 | 0 | 33.2 | 13 | 13 | 0 | 0 |
| 99-M-206 | 0 | 0 | 0 | 0 | 26.4 | 0 | 0 | 0 | 0 |
| 99-M-207 | 0 | 0 | 0 | 0 | 28.0 | 0 | 0 | 0 | 0 |
| 99-M-208 | 2 | 2 | 0 | 0 | 38.4 | 19 | 19 | 0 | 0 |
| 99-M-209 | 2 | 2 | 0 | 0 | 33.2 | 22 | 22 | 0 | 0 |
| 99-M-210 | 0 | 0 | 0 | 0 | 29.2 | 0 | 0 | 0 | 0 |
| 99-M-211 | 2 | 2 | 0 | 0 | 37.6 | 6 | 6 | 0 | 0 |
| 99-M-212 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 99-M-213 | 5 | 2 | 2 | 1 | 32.0 | 5 | 3 | 1 | 1 |

| Sample Site | Number of Visible Gold Grains: Total | Reshaped | Modified | Pristine | Non-Mag Weight | Calculated PPB Visible Gold: Total (ppb) | Reshaped (ppb) | Modified (ppb) | Pristine (ppb) |
|---|---|---|---|---|---|---|---|---|---|
| 99-M-214 | 4 | 4 | 0 | 0 | 34.0 | 6 | 6 | 0 | 0 |
| 99-M-215 | 2 | 2 | 0 | 0 | 38.4 | 10 | 10 | 0 | 0 |
| 99-M-217 | 0 | 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 0 |
| 99-M-218 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 99-M-219 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 99-M-220 | 2 | 2 | 0 | 0 | 38.0 | 1 | 1 | 0 | 0 |
| 99-M-221 | 1 | 1 | 0 | 0 | 37.6 | 10 | 10 | 0 | 0 |
| 99-M-223 | 0 | 0 | 0 | 0 | 32.4 | 0 | 0 | 0 | 0 |
| 99-M-224 | 2 | 2 | 0 | 0 | 36.0 | 11 | 11 | 0 | 0 |
| 99-M-225 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 99-M-226 | 0 | 0 | 0 | 0 | 28.0 | 0 | 0 | 0 | 0 |
| 99-M-227 | 3 | 1 | 2 | 0 | 30.0 | 22 | 3 | 19 | 0 |
| 99-M-228 | 2 | 1 | 0 | 1 | 28.0 | 6 | 3 | 0 | 3 |
| 99-M-229 | 2 | 2 | 0 | 0 | 26.8 | 1 | 1 | 0 | 0 |
| 99-M-230 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 99-M-233 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 99-M-234 | 0 | 0 | 0 | 0 | 28.4 | 0 | 0 | 0 | 0 |
| 99-M-235 | 2 | 1 | 1 | 0 | 33.6 | 3 | 2 | 1 | 0 |
| 99-M-236 | 3 | 2 | 1 | 0 | 30.0 | 23 | 22 | 0 | 0 |
| 99-M-237 | 0 | 0 | 0 | 0 | 28.4 | 0 | 0 | 0 | 0 |
| 99-M-238 | 0 | 0 | 0 | 0 | 31.2 | 0 | 0 | 0 | 0 |
| 99-M-239 | 2 | 2 | 0 | 0 | 32.0 | 3 | 3 | 0 | 0 |
| 99-M-240 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 99-M-241 | 0 | 0 | 0 | 0 | 28.4 | 0 | 0 | 0 | 0 |
| 99-M-242 | 1 | 1 | 0 | 0 | 28.4 | 13 | 13 | 0 | 0 |
| 99-M-243 | 0 | 0 | 0 | 0 | 28.8 | 0 | 0 | 0 | 0 |
| 99-M-245 | 2 | 2 | 0 | 0 | 27.2 | 1 | 1 | 0 | 0 |
| 99-M-246 | 0 | 0 | 0 | 0 | 30.8 | 0 | 0 | 0 | 0 |
| 99-M-248 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 99-M-249 | 2 | 2 | 0 | 0 | 31.2 | 1 | 1 | 0 | 0 |
| 99-M-250 | 2 | 2 | 0 | 0 | 36.0 | 3 | 3 | 0 | 0 |
| 99-M-251 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 99-M-252 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 99-M-253 | 0 | 0 | 0 | 0 | 25.2 | 0 | 0 | 0 | 0 |
| 99-M-257 | 3 | 3 | 0 | 0 | 12.8 | 54 | 54 | 0 | 0 |
| 99-M-259 | 2 | 2 | 0 | 0 | 22.0 | 10 | 10 | 0 | 0 |
| 99-M-260 | 1 | 1 | 0 | 0 | 24.4 | 3 | 3 | 0 | 0 |
| 99-M-261 | 3 | 3 | 0 | 0 | 36.0 | 13 | 13 | 0 | 0 |
| 99-M-262 | 3 | 3 | 0 | 0 | 34.4 | 7 | 7 | 0 | 0 |
| 99-M-263 | 5 | 5 | 0 | 0 | 32.0 | 28 | 28 | 0 | 0 |
| 99-M-264 | 3 | 3 | 0 | 0 | 27.2 | 136 | 136 | 0 | 0 |
| 99-M-265 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 99-M-266 | 0 | 0 | 0 | 0 | 26.8 | 0 | 0 | 0 | 0 |
| 99-M-267 | 1 | 1 | 0 | 0 | 23.2 | 8 | 8 | 0 | 0 |
| 99-M-268 | 3 | 3 | 0 | 0 | 27.6 | 6 | 6 | 0 | 0 |
| 99-M-269 | 3 | 2 | 1 | 0 | 26.4 | 13 | 10 | 3 | 0 |
| 99-M-271 | 2 | 1 | 1 | 0 | 28.8 | 13 | 7 | 7 | 0 |

| | Number of Visible Gold Grains | | | | | Calculated PPB Visible Gold | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample Site | Total | Reshaped | Modified | Pristine | Non-Mag Weight | Total (ppb) | Reshaped (ppb) | Modified (ppb) | Pristine (ppb) |
| 99-M-272 | 0 | 0 | 0 | 0 | 34.4 | 0 | 0 | 0 | 0 |
| 99-M-273 | 3 | 3 | 0 | 0 | 26.8 | 11 | 11 | 0 | 0 |
| 99-M-274 | 0 | 0 | 0 | 0 | 34.8 | 0 | 0 | 0 | 0 |
| 99-M-275 | 2 | 2 | 0 | 0 | 28.4 | 14 | 14 | 0 | 0 |
| 99-M-276 | 0 | 0 | 0 | 0 | 29.2 | 0 | 0 | 0 | 0 |
| 99-M-277 | 2 | 2 | 0 | 0 | 38.8 | 7 | 7 | 0 | 0 |
| 99-M-278 | 2 | 2 | 0 | 0 | 37.2 | 5 | 5 | 0 | 0 |
| 99-M-279 | 0 | 0 | 0 | 0 | 33.2 | 0 | 0 | 0 | 0 |
| 99-M-280 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 99-M-281 | 0 | 0 | 0 | 0 | 35.2 | 0 | 0 | 0 | 0 |
| 99-M-282 | 0 | 0 | 0 | 0 | 27.6 | 0 | 0 | 0 | 0 |
| 99-M-284 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 |
| 99-M-286 | 0 | 0 | 0 | 0 | 22.4 | 0 | 0 | 0 | 0 |
| 99-M-287 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 99-M-288 | 0 | 0 | 0 | 0 | 39.6 | 0 | 0 | 0 | 0 |
| 99-M-289 | 0 | 0 | 0 | 0 | 38.0 | 0 | 0 | 0 | 0 |
| 99-M-290 | 1 | 1 | 0 | 0 | 30.4 | 21 | 21 | 0 | 0 |
| 99-M-291 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 99-M-292 | 1 | 1 | 0 | 0 | 37.6 | 5 | 5 | 0 | 0 |
| 99-M-293 | 0 | 0 | 0 | 0 | 33.2 | 0 | 0 | 0 | 0 |
| 99-M-294 | 2 | 2 | 0 | 0 | 32.0 | 12 | 12 | 0 | 0 |
| 99-M-295 | 0 | 0 | 0 | 0 | 29.6 | 0 | 0 | 0 | 0 |
| 99-M-296 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 | 0 | 0 |
| 99-M-297 | 0 | 0 | 0 | 0 | 36.0 | 0 | 0 | 0 | 0 |
| 99-M-298 | 2 | 1 | 1 | 0 | 37.2 | 10 | 10 | 0 | 0 |
| 99-M-300 | 3 | 3 | 0 | 0 | 38.4 | 12 | 12 | 0 | 0 |
| 99-M-301 | 3 | 3 | 0 | 0 | 32.8 | 7 | 7 | 0 | 0 |
| 99-M-302 | 1 | 1 | 0 | 0 | 36.0 | 5 | 5 | 0 | 0 |
| 99-M-303 | 2 | 2 | 0 | 0 | 36.4 | 108 | 108 | 0 | 0 |
| 99-M-304 | 0 | 0 | 0 | 0 | 36.8 | 0 | 0 | 0 | 0 |
| 99-M-305 | 0 | 0 | 0 | 0 | 44.0 | 0 | 0 | 0 | 0 |
| 99-M-306 | 0 | 0 | 0 | 0 | 35.6 | 0 | 0 | 0 | 0 |
| 99-M-307 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 99-M-308 | 0 | 0 | 0 | 0 | 40.8 | 0 | 0 | 0 | 0 |
| 99-M-309 | 4 | 4 | 0 | 0 | 35.2 | 17 | 17 | 0 | 0 |
| 99-M-310 | 0 | 0 | 0 | 0 | 27.2 | 0 | 0 | 0 | 0 |
| 99-M-311 | 0 | 0 | 0 | 0 | 37.2 | 0 | 0 | 0 | 0 |
| 99-M-312 | 0 | 0 | 0 | 0 | 22.0 | 0 | 0 | 0 | 0 |
| 99-M-313 | 0 | 0 | 0 | 0 | 23.2 | 0 | 0 | 0 | 0 |
| 99-M-314 | 0 | 0 | 0 | 0 | 38.8 | 0 | 0 | 0 | 0 |
| 99-M-315 | 0 | 0 | 0 | 0 | 39.2 | 0 | 0 | 0 | 0 |
| 99-M-316 | 2 | 2 | 0 | 0 | 35.2 | 8 | 8 | 0 | 0 |
| 99-M-317 | 1 | 1 | 0 | 0 | 35.2 | 1 | 1 | 0 | 0 |
| 99-M-319 | 3 | 3 | 0 | 0 | 26.4 | 83 | 83 | 0 | 0 |
| 99-M-320 | 1 | 1 | 0 | 0 | 36.4 | 2 | 2 | 0 | 0 |
| 99-M-324 | 0 | 0 | 0 | 0 | 27.6 | 0 | 0 | 0 | 0 |
| 99-M-326 | 0 | 0 | 0 | 0 | 34.8 | 0 | 0 | 0 | 0 |
| 99-M-327 | 2 | 2 | 0 | 0 | 36.0 | 8 | 8 | 0 | 0 |
| 99-M-329 | 3 | 3 | 0 | 0 | 35.6 | 7 | 7 | 0 | 0 |

| | Number of Visible Gold Grains | | | | | Calculated PPB Visible Gold | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sample Site | Total | Reshaped | Modified | Pristine | Non-Mag Weight | Total (ppb) | Reshaped (ppb) | Modified (ppb) | Pristine (ppb) |
| 99-M-330 | 2 | 2 | 0 | 0 | 35.2 | 3 | 3 | 0 | 0 |
| 99-M-331 | 2 | 2 | 0 | 0 | 35.6 | 3 | 3 | 0 | 0 |
| 99-M-332 | 2 | 2 | 0 | 0 | 41.2 | 9 | 9 | 0 | 0 |
| 99-M-334 | 0 | 0 | 0 | 0 | 27.6 | 0 | 0 | 0 | 0 |
| 99-M-335 | 0 | 0 | 0 | 0 | 38.4 | 0 | 0 | 0 | 0 |
| 99-M-338 | 0 | 0 | 0 | 0 | 32.8 | 0 | 0 | 0 | 0 |
| 99-M-339 | 0 | 0 | 0 | 0 | 17.2 | 0 | 0 | 0 | 0 |
| 99-M-341 | 1 | 1 | 0 | 0 | 36.0 | 10 | 10 | 0 | 0 |
| 99-M-342 | 0 | 0 | 0 | 0 | 33.6 | 0 | 0 | 0 | 0 |
| 99-M-343 | 1 | 1 | 0 | 0 | 26.8 | 184 | 184 | 0 | 0 |
| 99-M-344 | 4 | 4 | 0 | 0 | 30.0 | 42 | 42 | 0 | 0 |
| 99-M-345 | 2 | 2 | 0 | 0 | 26.8 | 1 | 1 | 0 | 0 |
| 99-M-346 | 0 | 0 | 0 | 0 | 30.4 | 0 | 0 | 0 | 0 |
| 99-M-347 | 1 | 1 | 0 | 0 | 36.0 | 5 | 5 | 0 | 0 |
| 99-M-349 | 2 | 2 | 0 | 0 | 33.2 | 14 | 14 | 0 | 0 |
| 99-M-350 | 0 | 0 | 0 | 0 | 30.0 | 0 | 0 | 0 | 0 |
| 99-M-351 | 5 | 5 | 0 | 0 | 27.2 | 6 | 6 | 0 | 0 |

| Sample Site | KIM Remarks |
| --- | --- |
| 99-M-02 | No KIM remarks. |
| 99-M-03 | No KIM remarks. |
| 99-M-04 | No KIM remarks. |
| 99-M-05 | No KIM remarks. |
| 99-M-07 | No KIM remarks. |
| 99-M-08 | No KIM remarks. |
| 99-M-09 | No KIM remarks. |
| 99-M-10 | No KIM remarks. |
| 99-M-11 | SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite. |
| 99-M-12 | No KIM remarks. |
| 99-M-13 | No KIM remarks. |
| 99-M-14 | No KIM remarks. |
| 99-M-15 | SEM checks from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM). |
| 99-M-16 | No KIM remarks. |
| 99-M-17 | SEM checks from 0.25-0.5 mm fraction: 2 IM versus crustal ilmenite candidates = 1 IM and 1 crustal ilmenite. |
| 99-M-18 | No KIM remarks. |
| 99-M-19 | No KIM remarks. |
| 99-M-21 | No KIM remarks. |
| 99-M-25 | No KIM remarks. |
| 99-M-26 | No KIM remarks. |
| 99-M-27 | No KIM remarks. |
| 99-M-28 | SEM checks from 0.25-0.5 mm fraction: 1 CR versus crustal ilmenite candidate = 1 CR; and I IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-29 | SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-30 | SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-31 | No KIM remarks. |
| 99-M-32 | No KIM remarks. |
| 99-M-33 | No KIM remarks. |
| 99-M-34 | No KIM remarks. |
| 99-M-35 | SEM check from 0.25-0.5 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-36 | SEM check from 0.5-1.0 mm fraction: 1 forsterite versus diopside candidate = 1 corundum (picked as MMSIM). |
| 99-M-39 | SEM checks from 0.25-0.5 mm fraction: 2 GO versus almandine candidates = 2 almandine; and 2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite. |
| 99-M-40 | No KIM remarks. |
| 99-M-41 | No KIM remarks. |
| 99-M-42 | SEM check from 0.25-0.5 mm fraction: 1 pale purple GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM). |
| 99-M-43 | No KIM remarks. |
| 99-M-44 | No KIM remarks. |
| 99-M-45 | SEM check from 0.5-1.0 mm fraction: 1 forsterite versus epidote candidate = 1 Al2Si (possibly topaz). |
| 99-M-46 | SEM check from 0.25-0.5 mm fraction: 1 pale yellow forsterite versus diopside candidate = 1 epidote. |
| 99-M-47 | SEM checks from 0.25-0.5 mm fraction: 3 CR candidates = 2 CR and 1 crustal ilmenite. |
| 99-M-48 | SEM check from 0.5-1.0 mm fraction: 1 pale yellow forsterite versus epidote candidate = 1 forsterite. SEM check from 0.25-0.5 mm fraction: 1 pale green forsterite versus diopside candidate = 1 diopside. |
| 99-M-49 | No KIM remarks. |
| 99-M-50 | No KIM remarks. |

| Sample Site | KIM Remarks |
|---|---|
| 99-M-51 | SEM checks from 0.5-1.0 mm fraction:  2 IM versus crustal ilmenite candidates = 2 IM. |
| 99-M-52 | No KIM remarks. |
| 99-M-53 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 IM.  SEM check from 0.25-0.5 mm fraction:  1 CR versus IM candidate = 1 CR (~5 wt% ZnO). |
| 99-M-54 | No KIM remarks. |
| 99-M-55 | No KIM remarks. |
| 99-M-56 | No KIM remarks. |
| 99-M-57 | No KIM remarks. |
| 99-M-59 | No KIM remarks. |
| 99-M-63 | SEM checks from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 forsterite olivine. |
| 99-M-64 | No KIM remarks. |
| 99-M-65 | No KIM remarks. |
| 99-M-66 | SEM check from 0.25-0.5 mm fraction:  1 rounded GP versus ruby corundum candidate = 1 almandine. |
| 99-M-67 | No KIM remarks. |
| 99-M-68 | No KIM remarks. |
| 99-M-69 | No KIM remarks. |
| 99-M-70 | No KIM remarks. |
| 99-M-71 | SEM check from 0.5-1.0 mm fraction:  1 GO versus almandine candidate = 1 GO (Cr-poor megacryst).  SEM check from 0.25-0.5 mm fraction:  1 CR versus IM candidate = 1 CR. |
| 99-M-73 | No KIM remarks. |
| 99-M-74 | No KIM remarks. |
| 99-M-75 | No KIM remarks. |
| 99-M-76 | No KIM remarks. |
| 99-M-77 | No KIM remarks. |
| 99-M-78 | No KIM remarks. |
| 99-M-79 | No KIM remarks. |
| 99-M-80 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 IM. |
| 99-M-81 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-82 | No KIM remarks. |
| 99-M-83 | SEM checks from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 IM; and 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-84 | No KIM remarks. |
| 99-M-85 | No KIM remarks. |
| 99-M-86 | No KIM remarks. |
| 99-M-87 | SEM check from 0.5-1.0 mm fraction:  1 forsterite olivine versus epidote candidate = 1 epidote. |
| 99-M-89 | No KIM remarks. |
| 99-M-90 | No KIM remarks. |
| 99-M-91 | No KIM remarks. |
| 99-M-93 | No KIM remarks. |
| 99-M-94 | No KIM remarks. |
| 99-M-95 | No KIM remarks. |
| 99-M-97 | No KIM remarks. |
| 99-M-98 | SEM check from 0.5-1.0 mm fraction:  1 forsterite olivine versus epidote candidate = 1 forsterite olivine.  SEM checks from 0.25-0.5 mm fraction:  2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite. |
| 99-M-100 | SEM check from 0.25-0.5 mm fraction:  1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-101 | SEM checks from 0.25-0.5 mm fraction:  2 IM versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite; and 1 forsterite olivine versus epidote candidate = 1 epidote. |
| 99-M-102 | No KIM remarks. |
| 99-M-104 | No KIM remarks. |
| 99-M-105 | No KIM remarks. |
| 99-M-106 | SEM check from 0.5-1.0 mm fraction:  1 CR versus IM candidate = 1 IM. |
| 99-M-107 | No KIM remarks. |
| 99-M-108 | SEM check from 0.25-0.5 mm fraction:  1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |

| Sample Site | KIM Remarks |
|---|---|
| 99-M-109 | No KIM remarks. |
| 99-M-111 | No KIM remarks. |
| 99-M-112 | SEM checks from 0.5-1.0 mm fraction: 2 forsterite olivine versus epidote candidates = 1 forsterite olivine and 1 epidote. SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 GP. |
| 99-M-113 | No KIM remarks. |
| 99-M-114 | No KIM remarks. |
| 99-M-115 | No KIM remarks. |
| 99-M-116 | No KIM remarks. |
| 99-M-118 | SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-121 | No KIM remarks. |
| 99-M-123 | No KIM remarks. |
| 99-M-124 | No KIM remarks. |
| 99-M-125 | No KIM remarks. |
| 99-M-126 | No KIM remarks. |
| 99-M-127 | No KIM remarks. |
| 99-M-129 | No KIM remarks. |
| 99-M-131 | No KIM remarks. |
| 99-M-134 | SEM checks from 0.5-1.0 mm fraction: 2 CR versus crustal ilmenite candidates = 1 CR and 1 crustal ilmenite. |
| 99-M-135 | No KIM remarks. |
| 99-M-136 | SEM check from 0.25-0.5 mm fraction: 1 GP versus ruby corundum candidate = 1 ruby corundum (picked as MMSIM). |
| 99-M-139 | No KIM remarks. |
| 99-M-140 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. |
| 99-M-142 | No KIM remarks. |
| 99-M-145 | No KIM remarks. |
| 99-M-146 | SEM check from 1.0-2.0 mm fraction: 1 C |
| 99-M-147 | No KIM remarks. |
| 99-M-148 | No KIM remarks. |
| 99-M-149 | No KIM remarks. |
| 99-M-150 | No KIM remarks. |
| 99-M-151 | No KIM remarks. |
| 99-M-152 | No KIM remarks. |
| 99-M-154 | No KIM remarks. |
| 99-M-155 | No KIM remarks. |
| 99-M-156 | No KIM remarks. |
| 99-M-157 | No KIM remarks. |
| 99-M-201 | No KIM remarks. |
| 99-M-202 | SEM check from 0.5-1.0 mm fraction: 1 CR versus IM candidate = 1 IM. |
| 99-M-203 | No KIM remarks. |
| 99-M-204 | No KIM remarks. |
| 99-M-205 | No KIM remarks. |
| 99-M-206 | No KIM remarks. |
| 99-M-207 | No KIM remarks. |
| 99-M-208 | No KIM remarks. |
| 99-M-209 | No KIM remarks. |
| 99-M-210 | No KIM remarks. |
| 99-M-211 | No KIM remarks. |
| 99-M-212 | No KIM remarks. |
| 99-M-213 | No KIM remarks. |

| Sample Site | KIM Remarks |
|---|---|
| 99-M-214 | No KIM remarks. |
| 99-M-215 | No KIM remarks. |
| 99-M-217 | No KIM remarks. |
| 99-M-218 | No KIM remarks. |
| 99-M-219 | No KIM remarks. |
| 99-M-220 | No KIM remarks. |
| 99-M-221 | No KIM remarks. |
| 99-M-223 | SEM check from 0.5-1.0 mm fraction:  1 CR versus tourmaline candidate = 1 tourmaline. |
| 99-M-224 | No KIM remarks. |
| 99-M-225 | No KIM remarks. |
| 99-M-226 | No KIM remarks. |
| 99-M-227 | No KIM remarks. |
| 99-M-228 | No KIM remarks. |
| 99-M-229 | No KIM remarks. |
| 99-M-230 | No KIM remarks. |
| 99-M-233 | No KIM remarks. |
| 99-M-234 | No KIM remarks. |
| 99-M-235 | No KIM remarks. |
| 99-M-236 | No KIM remarks. |
| 99-M-237 | No KIM remarks. |
| 99-M-238 | No KIM remarks. |
| 99-M-239 | No KIM remarks. |
| 99-M-240 | No KIM remarks. |
| 99-M-241 | No KIM remarks. |
| 99-M-242 | No KIM remarks. |
| 99-M-243 | No KIM remarks. |
| 99-M-245 | No KIM remarks. |
| 99-M-246 | No KIM remarks. |
| 99-M-248 | No KIM remarks. |
| 99-M-249 | No KIM remarks. |
| 99-M-250 | No KIM remarks. |
| 99-M-251 | No KIM remarks. |
| 99-M-252 | No KIM remarks. |
| 99-M-253 | SEM check from 0. |
| 99-M-257 | SEM check from 1.0-2.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 IM.  SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-259 | SEM check from 0.5-1.0 mm fraction:  1 CR versus crustal ilmenite candidate = 1 CR. |
| 99-M-260 | No KIM remarks. |
| 99-M-261 | No KIM remarks. |
| 99-M-262 | No KIM remarks. |
| 99-M-263 | No KIM remarks. |
| 99-M-264 | No KIM remarks. |
| 99-M-265 | No KIM remarks. |
| 99-M-266 | No KIM remarks. |
| 99-M-267 | No KIM remarks. |
| 99-M-268 | No KIM remarks. |
| 99-M-269 | No KIM remarks. |
| 99-M-271 | No KIM remarks. |

| Sample Site | KIM Remarks |
|---|---|
| 99-M-272 | No KIM remarks. |
| 99-M-273 | No KIM remarks. |
| 99-M-274 | No KIM remarks. |
| 99-M-275 | No KIM remarks. |
| 99-M-276 | No KIM remarks. |
| 99-M-277 | No KIM remarks. |
| 99-M-278 | No KIM remarks. |
| 99-M-279 | No KIM remarks. |
| 99-M-280 | No KIM remarks. |
| 99-M-281 | No KIM remarks. |
| 99-M-282 | No KIM remarks. |
| 99-M-284 | No KIM remarks. |
| 99-M-286 | SEM check from 0.5-1.0 mm fraction: 1 CR versus crustal ilmenite candidate = 1 andradite. |
| 99-M-287 | No KIM remarks. |
| 99-M-288 | No KIM remarks. |
| 99-M-289 | SEM check from 0.5-1.0 mm fraction: 1 forsterite olivine versus epidote candidate = 1 forsterite olivine. |
| 99-M-290 | No KIM remarks. |
| 99-M-291 | No KIM remarks. |
| 99-M-292 | No KIM remarks. |
| 99-M-293 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 IM. |
| 99-M-294 | No KIM remarks. |
| 99-M-295 | SEM checks from 0.25-0.5 mm fraction: 3 IM versus crustal ilmenite candidates = 1 IM and 2 crustal ilmenite. |
| 99-M-296 | No KIM remarks. |
| 99-M-297 | No KIM remarks. |
| 99-M-298 | No KIM remarks. |
| 99-M-300 | SEM check from 0.25-0.5 mm fraction: 1 forsterite olivine versus diopside candidate = 1 diopside. |
| 99-M-301 | No KIM remarks. |
| 99-M-302 | No KIM remarks. |
| 99-M-303 | No KIM remarks. |
| 99-M-304 | No KIM remarks. |
| 99-M-305 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-306 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-307 | SEM checks from 0.25-0.5 mm fraction: 5 CR versus crustal ilmenite candidates = 1 CR, 3 crustal ilmenite and 1 hornblende. |
| 99-M-308 | No KIM remarks. |
| 99-M-309 | SEM checks from 0.25-0.5 mm fraction: 3 CR versus crustal ilmenite candidates = 3 CR. |
| 99-M-310 | No KIM remarks. |
| 99-M-311 | No KIM remarks. |
| 99-M-312 | No KIM remarks. |
| 99-M-313 | No KIM remarks. |
| 99-M-314 | No KIM remarks. |
| 99-M-315 | No KIM remarks. |
| 99-M-316 | No KIM remarks. |
| 99-M-317 | SEM check from 0.5-1.0 mm fraction: 1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-319 | SEM check from 0.25-0.5 mm fraction: 1 rounded second-cycle GP versus almandine candidate = 1 GP. |
| 99-M-320 | Lost one of four IM from 0.25-0.5 mm fraction. |
| 99-M-324 | No KIM remarks. |
| 99-M-326 | No KIM remarks. |
| 99-M-327 | No KIM remarks. |
| 99-M-329 | SEM check from 0.25-0.5 mm fraction: 1 CR versus IM candidate = 1 CR. |

| Sample Site | KIM Remarks |
|---|---|
| 99-M-330 | No KIM remarks. |
| 99-M-331 | No KIM remarks. |
| 99-M-332 | No KIM remarks. |
| 99-M-334 | No KIM remarks. |
| 99-M-335 | SEM checks from 0.25-0.5 mm fraction:  2 IM versus CR candidates = 1 CR and 1 crustal ilmenite. |
| 99-M-338 | SEM check from 0.5-1.0 mm fraction:  1 IM versus crustal ilmenite candidate = 1 crustal ilmenite. |
| 99-M-339 | No KIM remarks. |
| 99-M-341 | No KIM remarks. |
| 99-M-342 | No KIM remarks. |
| 99-M-343 | No KIM remarks. |
| 99-M-344 | SEM check from 0.25-0.5 mm fraction:  1 GO versus almandine candidate = 1 GO (pyrope-almandine). |
| 99-M-345 | No KIM remarks. |
| 99-M-346 | No KIM remarks. |
| 99-M-347 | No KIM remarks. |
| 99-M-349 | SEM check from 0.5-1.0 mm fraction:  1 IM versus CR candidate = 1 CR. |
| 99-M-350 | No KIM remarks. |
| 99-M-351 | No KIM remarks. |

| Sample Site | MMSIM Assemblage |
|---|---|
| 99-M-02 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-03 | Hornblende-almandine/epidote-diopside |
| 99-M-04 | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-05 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-07 | Hornblende-almandine/epidote-diopside |
| 99-M-08 | Hornblende-almandine/epidote-diopside |
| 99-M-09 | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-10 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-11 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-12 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-13 | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-14 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-15 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-16 | Hornblende-augite-almandine/epidote-diopside-titanite |
| 99-M-17 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-18 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-19 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-21 | Hornblende-almandine/epidote-titanite-diopside |
| 99-M-25 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-26 | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-27 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-28 | Almandine-hornblende-hematite/epidote-titanite-diopside |
| 99-M-29 | Almandine-hornblende-hematite/epidote-titanite-diopside |
| 99-M-30 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-31 | Almandine-hornblende/epidote-diopside |
| 99-M-32 | Almandine-hornblende-hematite/epidote-titanite |
| 99-M-33 | Hornblende-almandine/epidote-diopside |
| 99-M-34 | Hornblende-almandine/epidote-diopside |
| 99-M-35 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-36 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-39 | Almandine-hornblende-hematite/epidote |
| 99-M-40 | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-41 | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-42 | Hornblende-almandine-hematite/epidote-titanite-diopside |
| 99-M-43 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-44 | Almandine-hornblende-augite/epidote |
| 99-M-45 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-46 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-47 | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-48 | Hornblende-almandine-augite/epidote-diopside |
| 99-M-49 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-50 | Hornblende-hematite-almandine/epidote-diopside-titanite |

| Sample Site | MMSIM Assemblage |
| --- | --- |
| 99-M-51 | Hornblende-ilmenite-almandine/epidote-diopside-titanite |
| 99-M-52 | Hornblende-augite-almandine/epidote-titanite |
| 99-M-53 | Almandine-hematite-hornblende/epidote-diopside-titanite |
| 99-M-54 | Hornblende-almandine-hematite/diopside-epidote-titanite |
| 99-M-55 | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-56 | Almandine-hematite-hornblende/epidote-diopside-titanite |
| 99-M-57 | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-59 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-63 | Hematite-almandine-hornblende/diopside-epidote |
| 99-M-64 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-65 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-66 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-67 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-68 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-69 | Hornblende-almandine/epidote-diopside |
| 99-M-70 | Almandine-augite-hornblende/diopside |
| 99-M-71 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-73 | Hornblende-hematite-almandine/epidote-diopside-titanite |
| 99-M-74 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-75 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-76 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-77 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-78 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-79 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-80 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-81 | Hornblende-almandine/epidote-diopside |
| 99-M-82 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-83 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-84 | Hornblende-augite-hematite/epidote-diopside |
| 99-M-85 | Hornblende-almandine-hematite/epidote-titanite-diopside |
| 99-M-86 | Hornblende-almandine-hematite/epidote-titanite |
| 99-M-87 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-89 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-90 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-91 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-93 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-94 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-95 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-97 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-98 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-100 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-101 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-102 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-104 | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-105 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-106 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-107 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-108 | Hornblende-almandine-hematite/epidote-diopside-titanite |

| Sample Site | MMSIM Assemblage |
|---|---|
| 99-M-109 | Hornblende-almandine/epidote-diopside |
| 99-M-111 | Hornblende-almandine-hematite/epidote-titanite-diopside |
| 99-M-112 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-113 | Hornblende-almandine/epidote-diopside |
| 99-M-114 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-115 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-116 | Almandine-hornblende-augite/epidote-diopside |
| 99-M-118 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-121 | Hornblende-almandine/epidote-diopside |
| 99-M-123 | Hornblende-almandine/epidote-diopside |
| 99-M-124 | Hornblende-almandine/epidote-diopside |
| 99-M-125 | Hornblende-almandine-augite/epidote-diopside |
| 99-M-126 | Hornblende-almandine-augite/epidote-diopside |
| 99-M-127 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-129 | Hornblende-almandine/epidote-diopside |
| 99-M-131 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-134 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-135 | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-136 | Hornblende-almandine/epidote-diopside |
| 99-M-139 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-140 | Hornblende-almandine-orthopyroxene/ epidote-diopside |
| 99-M-142 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-145 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-146 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-147 | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-148 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-149 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-150 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-151 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-152 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-154 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-155 | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-156 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-157 | Hornblende-almandine-augite-ilmenite/ epidote-diopside-titanite |
| 99-M-201 | Grunerite-almandine-hornblende-hematite/ epidote-diopside-titanite |
| 99-M-202 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-203 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-204 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-205 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-206 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-207 | Hornblende-hematite-almandine-augite/ epidote-diopside-titanite |
| 99-M-208 | Almandine-hornblende-augite/epidote -diopside-titanite |
| 99-M-209 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-210 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-211 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-212 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-213 | Hornblende-almandine-augite/epidote-diopside-titanite |

| Sample Site | MMSIM Assemblage |
|---|---|
| 99-M-214 | Grunerite-almandine-hornblende/epidote-diopside-titanite |
| 99-M-215 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-217 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-218 | Hornblende-almandine-hematite/epidote -diopside-titanite |
| 99-M-219 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-220 | Hornblende-almandine-hematite/epidote -diopside-titanite |
| 99-M-221 | Hornblende-almandine-hematite/epidote -diopside-pyrite |
| 99-M-223 | Hornblende-almandine-hematite/diopside -epidote-titanite |
| 99-M-224 | Hornblende-hematite-almandine/epidote -diopside-titanite |
| 99-M-225 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-226 | Hornblende-almandine-hematite/epidote -diopside-titanite |
| 99-M-227 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-228 | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-229 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-230 | Hornblende-almandine-augite-hematite/ epidote-diopside |
| 99-M-233 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-234 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-235 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-236 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-237 | Hornblende-almandine-augite-hematite/ epidote-titanite-diopside |
| 99-M-238 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-239 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-240 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-241 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-242 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-243 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-245 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-246 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-248 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-249 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-250 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-251 | Hornblende-almandine/epidote-diopside |
| 99-M-252 | Almandine-hornblende-hematite/diopside-epidote-titanite |
| 99-M-253 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-257 | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-259 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-260 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-261 | Almandine-hornblende-hematite-augite/ epidote-diopside-titanite |
| 99-M-262 | Hornblende-almandine-augite/epidote-diopside |
| 99-M-263 | Almandine-hornblende/epidote-diopside |
| 99-M-264 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-265 | Hornblende-almandine/epidote-diopside |
| 99-M-266 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-267 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-268 | Hornblende-almandine/epidote-diopside |
| 99-M-269 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-271 | Hornblende-almandine/epidote-diopside |

| Sample Site | MMSIM Assemblage |
|---|---|
| 99-M-272 | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-273 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-274 | Hornblende-almandine/epidote-diopside |
| 99-M-275 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-276 | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-277 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-278 | Hornblende-almandine/epidote-diopside |
| 99-M-279 | Hornblende-almandine/epidote-diopside |
| 99-M-280 | Hornblende-almandine/epidote-diopside |
| 99-M-281 | Goethite-hornblende-almandine/epidote-diopside-titanite |
| 99-M-282 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-284 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-286 | Hornblende-almandine-ilmenite/epidote-diopside-titanite |
| 99-M-287 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-288 | Hornblende-almandine-augite/epidote-diopside |
| 99-M-289 | Hornblende-almandine/epidote-diopside |
| 99-M-290 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-291 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-292 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-293 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-294 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-295 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-296 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-297 | Hornblende-almandine/epidote-diopside |
| 99-M-298 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-300 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-301 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-302 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-303 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-304 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-305 | Hornblende-almandine-augite-hematite/ epidote-diopside-titanite |
| 99-M-306 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-307 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-308 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-309 | Hornblende-almandine/epidote-diopside |
| 99-M-310 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-311 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-312 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-313 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-314 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-315 | Almandine-hornblende-hematite/epidote-diopside-titanite |
| 99-M-316 | Hornblende-almandine-hematite-augite/ epidote-diopside-titanite |
| 99-M-317 | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-319 | Hornblende-almandine-ilmenite/epidote-diopside |
| 99-M-320 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-324 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-326 | Hornblende-almandine/epidote-diopside |
| 99-M-327 | Hornblende-almandine-augite/epidote-diopside |
| 99-M-329 | Hornblende-almandine-augite/epidote-diopside |

| Sample Site | MMSIM Assemblage |
|---|---|
| 99-M-330 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-331 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-332 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-334 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-335 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-338 | Almandine-hornblende/epidote-diopside-titanite |
| 99-M-339 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-341 | Hornblende-almandine/epidote-diopside |
| 99-M-342 | Almandine-hornblende/epidote-diopside |
| 99-M-343 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-344 | Hornblende-almandine-hematite/epidote-diopside-titanite |
| 99-M-345 | Hornblende-almandine/epidote-diopside-titanite |
| 99-M-346 | Almandine-hornblende/epidote-diopside |
| 99-M-347 | Almandine-hornblende-hematite/epidote-diopside |
| 99-M-349 | Hornblende-almandine-hematite/epidote-diopside |
| 99-M-350 | Hornblende-almandine-augite/epidote-diopside-titanite |
| 99-M-351 | Hornblende-almandine/epidote-diopside-titanite |

| Sample Site | MMSIM Remarks |
|---|---|
| 99-M-02 | |
| 99-M-03 | |
| 99-M-04 | |
| 99-M-05 | |
| 99-M-07 | SEM check from 0.5-1.0 mm f |
| 99-M-08 | |
| 99-M-09 | |
| 99-M-10 | |
| 99-M-11 | |
| 99-M-12 | |
| 99-M-13 | |
| 99-M-14 | |
| 99-M-15 | SEM checks from 0.25-0.5 mm fraction:  2 pale blue-green gahnite versus spinel candidates = 2 spinel. |
| 99-M-16 | SEM checks from 0.25-0.5 mm fraction:  7 blue sapphirine versus spinel candidates = 5 sapphirine and 2 spinel. |
| 99-M-17 | |
| 99-M-18 | SEM check from 0.25-0.5 mm fraction:  1 pink spinel versus almandine candidate = 1 zircon. |
| 99-M-19 | |
| 99-M-21 | SEM check from 0.25-0.5 mm fraction:  1 dark blue spinel versus gahnite candidate = 1 spinel. |
| 99-M-25 | |
| 99-M-26 | |
| 99-M-27 | SEM checks from 0.25-0.5 mm fraction: 1 grey corundum versus epidote candidate = 1 epidote; 1 brown dravite tourmaline versus staurolite candidate = 1 staurolite; and 1 pink spinel versus zircon candidate = 1 zircon. |
| 99-M-28 | |
| 99-M-29 | |
| 99-M-30 | SEM check from 0.5-1.0 mm fraction: 1 red-orange spessartine versus staurolite candidate = 1 |
| 99-M-31 | |
| 99-M-32 | |
| 99-M-33 | SEM check from 0.25-0.5 mm fraction: 1 blue-green gahnite versus diopside candidate = 1 gahnite. |
| 99-M-34 | SEM check from 0.25-0.5 mm fractioin: 1 grey spinel versus epidote candidate = 1 andalusite. |
| 99-M-35 | |
| 99-M-36 | |
| 99-M-39 | |
| 99-M-40 | |
| 99-M-41 | |
| 99-M-42 | |
| 99-M-43 | |
| 99-M-44 | SEM checks from 0.25-0.5 mm fraction: 2 colourless spinel versus diopside candidates = 2 common spinel. |
| 99-M-45 | SEM check from 0.25-0.5 mm fraction: 1 pale blue spinel versus apatite candidate = 1 common spinel. |
| 99-M-46 | |
| 99-M-47 | SEM check from 0.25-0.5 mm fraction: 1 colourless spinel versus epidote candidate = 1 common spinel. |
| 99-M-48 | |
| 99-M-49 | |
| 99-M-50 | |

| Sample Site | MMSIM Remarks |
|---|---|
| 99-M-51 | |
| 99-M-52 | |
| 99-M-53 | SEM check from 0.25-0.5 mm fraction:  1 colourless spinel versus topaz candidate = 1 spinel. |
| 99-M-54 | |
| 99-M-55 | |
| 99-M-56 | |
| 99-M-57 | |
| 99-M-59 | |
| 99-M-63 | SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-64 | SEM check from 0.25-0.5 mm fraction:  1 blue sapphire corundum versus spinel candidate = 1 sapphire corundum. |
| 99-M-65 | |
| 99-M-66 | |
| 99-M-67 | |
| 99-M-68 | |
| 99-M-69 | Undersized concentrate. |
| 99-M-70 | |
| 99-M-71 | |
| 99-M-73 | |
| 99-M-74 | |
| 99-M-75 | |
| 99-M-76 | |
| 99-M-77 | |
| 99-M-78 | |
| 99-M-79 | |
| 99-M-80 | SEM check from 0.25-0.5 mm fraction:  1 pale purple spinel versus kyanite candidate = 1 spinel. |
| 99-M-81 | |
| 99-M-82 | |
| 99-M-83 | SEM checks from 0.25-0.5 mm fraction:  1 green gahnite versus spinel candidate = 1 gahnite; and 1 Mn-epidote versus apatite candidate = 1 apatite. |
| 99-M-84 | |
| 99-M-85 | |
| 99-M-86 | |
| 99-M-87 | SEM check from 0.5-1.0 mm fraction:  1 red-orange spessartine versus almandine candidate = 1 almandine. |
| 99-M-89 | |
| 99-M-90 | |
| 99-M-91 | SEM check from 0.25-0.5 mm fraction:  1 colourless spinel versus quartz candidate = 1 spinel. |
| 99-M-93 | SEM check from 0.25-0.5 mm fraction:  1 green uvarovite versus Cr-grossular candidate = 1 Cr-andradite. |
| 99-M-94 | |
| 99-M-95 | |
| 99-M-97 | |
| 99-M-98 | |
| 99-M-100 | |
| 99-M-101 | SEM check from 0.25-0.5 mm fraction:  1 pale pink spinel versus almandine candidate = 1 ruby corundum. |
| 99-M-102 | |
| 99-M-104 | |
| 99-M-105 | |
| 99-M-106 | |
| 99-M-107 | SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 Mg-almandine. |
| 99-M-108 | SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 spinel. |

| Sample Site | MMSIM Remarks |
| --- | --- |
| 99-M-109 | SEM check from 0.5-1.0 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. |
| 99-M-111 | |
| 99-M-112 | SEM checks from 0.25-0.5 mm fraction: 2 gahnite versus spinel candidates = 2 spinel; 3 ruby corundum versus almandine candidates = 1 ruby corundum and 2 andalusite; and 1 Mn-epidote versus monazite candidate = 1 monazite. |
| 99-M-113 | |
| 99-M-114 | |
| 99-M-115 | |
| 99-M-116 | |
| 99-M-118 | SEM checks from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine; and 1 blue sapphire corundum versus kyanite candidate = 1 kyanite. |
| 99-M-121 | |
| 99-M-123 | SEM check from 0.25-0.5 mm fraction: 1 gahnite versus pyroxene candidate = 1 diopside-hedenbergite. |
| 99-M-124 | SEM check from 0.25-0.5 mm fraction: 1 ruby corundum versus almandine candidate = 1 almandine. |
| 99-M-125 | |
| 99-M-126 | |
| 99-M-127 | |
| 99-M-129 | |
| 99-M-131 | |
| 99-M-134 | |
| 99-M-135 | |
| 99-M-136 | |
| 99-M-139 | |
| 99-M-140 | |
| 99-M-142 | |
| 99-M-145 | |
| 99-M-146 | |
| 99-M-147 | |
| 99-M-148 | |
| 99-M-149 | |
| 99-M-150 | |
| 99-M-151 | |
| 99-M-152 | |
| 99-M-154 | |
| 99-M-155 | |
| 99-M-156 | |
| 99-M-157 | |
| 99-M-201 | SEM check from 0.25-0.5 mm fraction: 1 fibrous augite versus amphibole candidate = 1 Fe-silicate (grunerite). 1% finely crystalline pyrite (± grunerite) in <0.6 amp fraction of 0.25-0.5 mm. |
| 99-M-202 | SEM check from 0.25-0.5 mm fraction: 1 green gahnite versus spinel candidate = 1 hercynite. |
| 99-M-203 | |
| 99-M-204 | |
| 99-M-205 | |
| 99-M-206 | |
| 99-M-207 | |
| 99-M-208 | |
| 99-M-209 | |
| 99-M-210 | |
| 99-M-211 | |
| 99-M-212 | |
| 99-M-213 | |

| Sample Site | MMSIM Remarks |
|---|---|
| 99-M-214 | |
| 99-M-215 | |
| 99-M-217 | |
| 99-M-218 | SEM checks from 0.25-0.5 mm fraction:  3 spessartine versus almandine candidates = 3 almandine. |
| 99-M-219 | |
| 99-M-220 | |
| 99-M-221 | |
| 99-M-223 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 3 almandine and 1 staurolite. |
| 99-M-224 | |
| 99-M-225 | SEM check from 0.5-1.0 mm fraction:  1 spinel versus almandine candidate = 1 spinel. |
| 99-M-226 | |
| 99-M-227 | SEM checks from 0.25-0.5 mm fraction:  2 spessartine versus almandine candidates = 2 spessartine. |
| 99-M-228 | |
| 99-M-229 | |
| 99-M-230 | |
| 99-M-233 | |
| 99-M-234 | |
| 99-M-235 | |
| 99-M-236 | |
| 99-M-237 | |
| 99-M-238 | |
| 99-M-239 | |
| 99-M-240 | |
| 99-M-241 | |
| 99-M-242 | |
| 99-M-243 | |
| 99-M-245 | |
| 99-M-246 | |
| 99-M-248 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine, 1 Mn-almandine and 2 almandine. |
| 99-M-249 | |
| 99-M-250 | |
| 99-M-251 | |
| 99-M-252 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 3 spessartine and 1 almandine. |
| 99-M-253 | SEM check from 0.5-1.0 mm fraction: 1 spessartine versus almandine candidate = 1 spessartine.  SEM checks from 0.25-0.5 mm fraction: 4 spessartine versus almandine candidates = 3 spessartine and 1 Mn-almandine. |
| 99-M-257 | SEM checks from 0.25-0.5 mm fraction:  3 green gahnite versus spinel candidates = 1 gahnite and 2 spinel; and 1 sapphire corundum candidate = 1 sapphire corundum. |
| 99-M-259 | |
| 99-M-260 | |
| 99-M-261 | |
| 99-M-262 | |
| 99-M-263 | |
| 99-M-264 | |
| 99-M-265 | |
| 99-M-266 | |
| 99-M-267 | SEM check from 0.25-0.5 mm fraction:  1 green gahnite versus spinel candidate = 1 spinel. |
| 99-M-268 | |
| 99-M-269 | |
| 99-M-271 | |

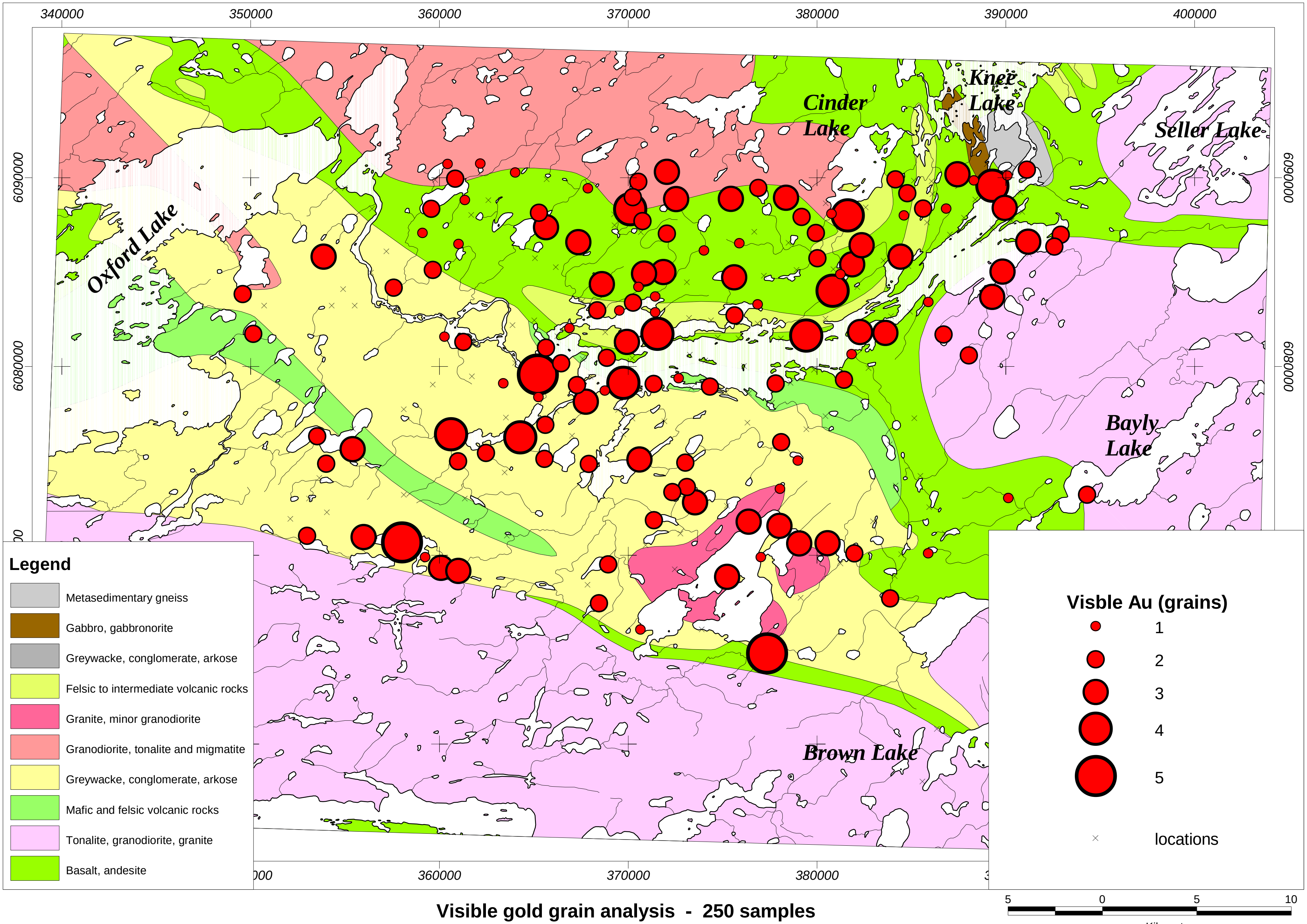
| Sample Site | MMSIM Remarks |
|---|---|
| 99-M-272 | |
| 99-M-273 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-274 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-275 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 2 spessartine and 2 almandine. |
| 99-M-276 | |
| 99-M-277 | SEM check from 0.25-0.5 mm fraction:  1 red Mn-epidote versus monazite candidate = 1 monazite. |
| 99-M-278 | SEM check from 0.25-0.5 mm fraction:  1 red Mn-epidote versus monazite candidate = 1 Mn-epidote. |
| 99-M-279 | |
| 99-M-280 | |
| 99-M-281 | Goethite occurs mainly in schistose lithic grains which report to all paramagnetic and nonparamagnetic fractions. |
| 99-M-282 | |
| 99-M-284 | |
| 99-M-286 | |
| 99-M-287 | |
| 99-M-288 | SEM check from 0.25-0.5 mm fraction:  1 green spinel versus pyroxene candidate = 1 hedenbergite. |
| 99-M-289 | |
| 99-M-290 | |
| 99-M-291 | SEM checks from 0.25-0.5 mm fraction:  4 spessartine versus almandine candidates = 1 spessartine and 3 almandine. |
| 99-M-292 | |
| 99-M-293 | |
| 99-M-294 | |
| 99-M-295 | |
| 99-M-296 | |
| 99-M-297 | |
| 99-M-298 | SEM checks from 0.25-0.5 mm fraction:  1 colourless spinel candidate = 1 spinel; and 1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-300 | |
| 99-M-301 | |
| 99-M-302 | |
| 99-M-303 | |
| 99-M-304 | |
| 99-M-305 | |
| 99-M-306 | |
| 99-M-307 | |
| 99-M-308 | |
| 99-M-309 | |
| 99-M-310 | |
| 99-M-311 | |
| 99-M-312 | |
| 99-M-313 | |
| 99-M-314 | |
| 99-M-315 | |
| 99-M-316 | SEM check from 0.25-0.5 mm fraction:  1 dark green gahnite versus pyroxene candidate = 1 common spinel. |
| 99-M-317 | |
| 99-M-319 | |
| 99-M-320 | |
| 99-M-324 | |
| 99-M-326 | SEM check from 0.25-0.5 mm fraction:  1 blue spinel versus sapphirine candidate = 1 spinel + quartz. |
| 99-M-327 | |
| 99-M-329 | |

| Sample Site | MMSIM Remarks |
| --- | --- |
| 99-M-330 | |
| 99-M-331 | |
| 99-M-332 | |
| 99-M-334 | |
| 99-M-335 | |
| 99-M-338 | SEM check from 0.25-0.5 mm fraction:  1 ruby corundum versus almandine candidate = 1 ruby corundum. |
| 99-M-339 | |
| 99-M-341 | |
| 99-M-342 | SEM check from 0.25-0.5 mm fraction:  1 green gahnite versus pyroxene candidate = 1 augite. |
| 99-M-343 | SEM check from 0.25-0.5 mm fraction:  1 green gahnite versus spinel candidate = 1 spinel. |
| 99-M-344 | |
| 99-M-345 | |
| 99-M-346 | |
| 99-M-347 | |
| 99-M-349 | |
| 99-M-350 | |
| 99-M-351 | |

Appendix G-10: Grain Count Plots For Visible Gold Grains.

**Visible Gold**

**CONTENTS**



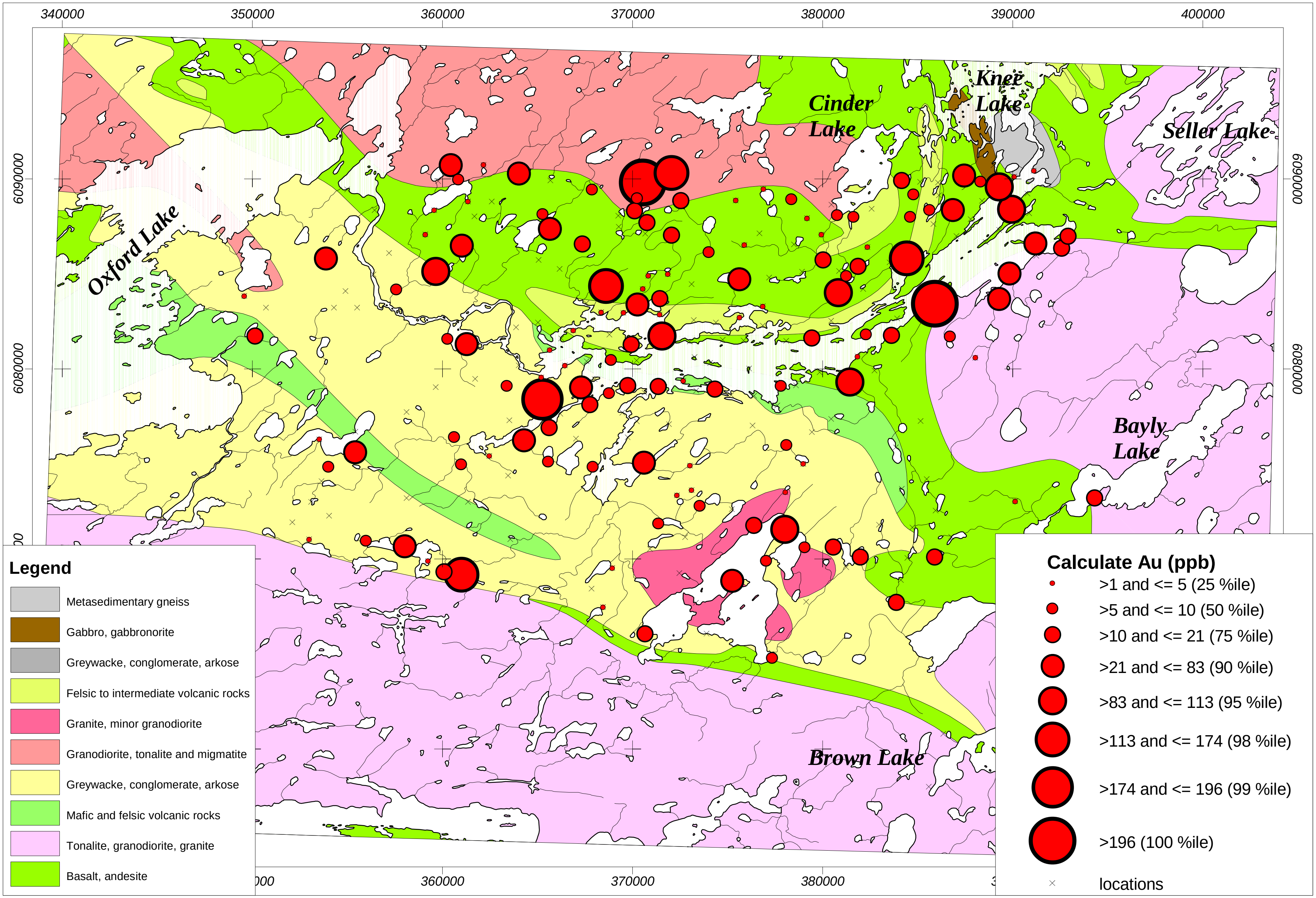

Visible gold grain analysis - 250 samples

Appendix G-10-1

Appendix G-11: Percentile Bubble Plot For Calculated Parts Per Billion Gold.

**Calculated Gold**

**CONTENTS**




**Calculated gold content - 250 samples**

Appendix G-11-1

## B-HORIZON SOIL GEOCHEMICAL SURVEY

### Introduction

B-horizon soil samples have been used extensively during geochemical exploration programs for base and precious metals as well as other commodity types. Routinely, these samples were sieved to -80 mesh and analyzed for numerous elements by atomic absorption spectrometry (AAS) or ICP-AES, subsequent to an aqua regia digest. Other dissolutions were also utilized, including a number of phase specific and sequential digestions. The b-horizon geochemical database created for Operation Superior samples collected in 1999 is based on the enzyme leach process. This analysis is a phase-specific approach to the delineation of metal-enriched zones within b-horizon soil samples. The enzyme leach data, like data generated from all other analytical approaches in the dataset, are interpreted from the Knee Lake Belt sampled in 1999.

### Enzyme leach

The enzyme leach process is a phase-specific leach that preferentially attacks amorphous manganese oxide coatings on mineral grains thereby liberating trace metals that are trapped in this material. Amorphous manganese oxide represents an efficient chemical sieve or trap for cations, anions and polar molecules because of its large surface area and the random distribution of charges on its surface. The trace elements that are trapped or complexed on the amorphous manganese oxides are interpreted to represent the chemical signatures of buried, oxidizing mineralization at depth, rather than originating from a transported overburden source, such as till. It should be noted, however, that the geochemical signature within the b-horizon may be strongly affected by the weathering of till and the subsequent downward movement of metals. This could produce a 'transported' till geochemical signature in combination with site specific mineralization-related geochemical signatures, resulting in a composite signature overall.

The possible contribution of parent material composition to the overall enzyme leach signature is not well understood. Most of the amorphous manganese oxide is developed in the b-horizon and studies in both arid and humid geological and climatic environments have established that mineral particles within this soil horizon are coated with this authigenic material. The a-soil horizon may not reflect geochemical anomalies identified in the b-horizon, because the a-horizon is fairly rapidly leached of its metallic components. These are carried downwards, perhaps as humic- or fulvic-acid compounds (humates/fulvates?), and trapped or sieved as they encounter the amorphous Mn-oxide coatings on mineral grains in the b-horizon.

The chemical composition of the a-horizon is significantly impacted by the metal contents of vegetation contributing litter to the forest floor. This litter will reflect metals obtained by vegetation during nutrient acquisition from soil horizons tapped by root systems. Accordingly, the a-horizon geochemical signature will reflect the ability of various species to acquire and store metals until such time as they are dropped to the forest floor, decompose and move downward in the soil profile. This source of metal may, therefore, reflect a transported metal signature representing a clastic component within an exotic till or lacustrine clay rather than a buried mineralization signature.

The diffusion of relatively volatile metal phases or metals transported by gases consisting of Hg-vapour, $CO_2$, Rn, He, N, $0_2$, $C0_4$, Ar and S-compounds, away from an oxidizing zone of mineralization, undoubtedly proceeds as a result of a number of processes. Metal transport may be affected by the influence of an electrochemical or self-potential cell below the groundwater table, or as gaseous transport of elements derived from oxidizing mineralization and/or mantle de-gassing (cf. Gold and Soter, 1980; 'geogas', Malmqvist and Kristiansson, 1984; 'earth-gas', Wang et al., 1997). Metals carried by one or more of these mechanisms will be adsorbed by the amorphous Mn-oxide, enriching this portion of the b-horizon in metals.

Native gold and mercury in the soil profile will not be digested using the enzyme leach. The leachate from the b-horizon soil is analyzed by ICP-MS for 59 elements at detection limits in the parts per billion range. Clark (1992, 1993) provides theory and application of the enzyme leach method. Data interpretation proceeds from the assessment of the halogens (Cl, Br, I) to an oxidation suite of As, Sb, Mo, W, Re, Se, Te, V, U, and Th followed by the metals (Cu, Zn, Pb, Bi, Cd, Co, Ga, Ge, Ni, Sn, Ag, Au), high field strength elements (Y, Ti, Nb, Zr), lithophile elements (Ba, Cs, Li, Mn, Rb, Sr) and finally the rare earth elements. Fedikow and Ziehlke (1998) provide a Manitoba example of a property scale application of this technique. Regional survey descriptions are available in Fedikow et al. (1997a, 1997b).

## Sample collection

B-horizon soil geochemical samples were collected from the pit dug for the till samples. The b-horizon was isolated on a clean face on one or more walls of the pit and scooped into a labelled, medium-sized, ZIPLOC sample bag. Care was taken not to include organic material either from the overlying humus or from forest litter when collecting this inorganic sample. This precaution was considered particularly important for enzyme leach analyses where considerable variance can be added to the data by mixing organic and inorganic material. The b-horizon in the survey areas ranged in colour from orange to chocolate brown. At some sampling sites there was a 3-5 cm zone of mixing between organic and inorganic soil layers. In these instances the b-horizon sample was collected from below the zone of mixing. Another variant in b-horizon sampling is the slumped, contorted and mixed nature of the most decomposed portions of the b-horizon with less oxidized, usually lower b-horizon material. This was attributed to either frost-jacking or too soft sediment deformation. In these instances the b-horizon sample comprises b-horizon material that was inevitably mixed with less oxidized material. Duplicate samples were collected every tenth site.

## Sample preparation and analysis

Samples were returned to camp daily and stored in a shaded low lying area out of the direct rays of the sun, so that sample temperatures would not exceed 40$^{o}$C. This temperature is considered to represent the upper limit for samples to be analyzed by the enzyme leach method. Temperatures exceeding 40$^{o}$C will result in the volatilization of metal-bearing compounds from the sample. B-horizon soil samples were shipped to the Manitoba Geological Survey laboratory, where they were air dried at less than 40$^{o}$C and sieved to obtain the -60 mesh size fraction. The -60 mesh portion was forwarded to Activation Laboratories Ltd. for enzyme leach-ICP-MS analysis. In the 1999 survey samples an ICP-AES analysis of the enzyme leachate was done for Mn, Al, Ca, Fe, Na, Mg, K and Si. These data may assist in the recognition of more regional geochemical trends that can be attributed to alteration systems. A separate -80 mesh aliquot was submitted to the Manitoba Geological Survey laboratory for the measurement of pH and conductivity. The pH and conductivity measurements were corrected and converted to $H^+$ and specific conductance using the formula of Govett (1976) and reproduced with examples in Govett et al. (1984). Geochemical data is listed in Appendix B-1 and analyses for field duplicate samples are listed in Appendix B-2. Percentile bubble plots appear in Appendix B-3. With the exception of the hydrogen ion ($H^+$) and specific conductance (*K*) no other analyses were performed on the b-horizon soils. H+ results were low and are not discussed further.

## Results

### Specific conductance *K* (water-extractable metal)

***K**:* The northwest corner of the 1999 survey area is marked by single and multisite specific conductance values comprising a 99$^{th}$ percentile at site 222 and two 98$^{th}$ percentiles at sites 131 and 135. Northeast of this response is a single site 100$^{th}$ percentile at site 96 and a second at site 99 along the northern margin of the belt. An isolated 100$^{th}$ percentile occurs at site 285 east of the Magill Lake intrusion. A single 99$^{th}$ percentile occurs at site 56 east of Cinder Lake.

## Enzyme Leach

### *Halogens*

**Cl**: Single site 100th percentiles are scattered throughout the 1999 survey area. These occur at sites 143 ( 12129 ppb), 153 (12033 ppb) and 220 (14023 ppb). The southern shore of Knee Lake is marked by several 99th percentile responses that correspond to the mapped location of the Southern Knee Lake Shear Zone (SKSZ). These are sites 292 (11519 ppb), 293 (10945 ppb) and 299 (10415 ppb). Moderate 98th percentile responses (8501-9843 ppb) are observed at several sites along a linear band of felsic volcanic rocks east of Cinder Lake.

**Br**: The Knee Lake Belt is marked by two areas of elevated Br responses. The first is an area north of the Magill Lake intrusion marked by two 100th percentile responses (765 ppb at site 238 and 477 ppb at site 330) as well as several 99th and 98th responses. Sites of elevated Br are also documented from the northwest corner of the survey area where a 100th percentile of 560 ppb occurs at site 124. There are 99th, 98th and 95th percentile responses in this general area as well.

**I**: High I responses are documented from an area north of the Magill Lake intrusion in an area characterized by greywacke, conglomerate and arkose. These responses comprise two 100th percentile responses of 217 ppb at site 256 and 199 ppb at site 330. There is also two 98th percentile responses in this I cluster. This response correlates to high Br enzyme leach responses. An isolated 100th percentile response occurs west of the west end of Knee Lake at site 342 (241 ppb).

### *Oxidation suite elements*

**As**: Significantly enriched As contents are documented at sites 292-296 along the southern shore of Knee Lake in an area characterized by strongly foliated rocks within the SKSZ. Arsenic values in this area range from 48-57 ppb and are classified as 100th-98th percentiles. Site 251 (53 ppb, 99th percentile) occurs to the west of the multisite anomaly. Additionally, 100th percentiles are documented from site 261 (56 ppb) close to the southern belt margin and at site 342 (104 ppb).

**Sb**: The SKSZ at site 296 is marked by a single 100th percentile response of 3 ppb. Three significant responses for Sb are noted from the northeastern corner of the 1999 survey area at sites 16 (100th percentile, 3 ppb), 20 (100th percentile, 3 ppb) and at site 146 (99th percentile, 2 ppb). Sites 16 and 20 are associated with a linear belt of felsic volcanic rocks east of Cinder Lake. Two 99th percentile responses are documented from sites 331 (2 ppb) north of the Magill Lake intrusion and at site 143 (2 ppb) west of the west end of Knee Lake. The majority of the elevated As responses were collected from sites in the south half of the 1999 survey area where sedimentary rocks dominate over volcanic rocks.

**V**: Three 100th percentile V responses are documented from sites 20 (337 ppb) and 153 (545 ppb) in the northern survey area. A third single site 100th percentile response (326 ppb) occurs west of the west end of Knee Lake in an area with elevated As. Two 99th percentile responses are also present in the survey. These occur at sites 146 in the northeast corner of the area (297 ppb) and at site 335 near the highly strained southern belt margin (297 ppb).

**U**: Moderate to low contrast U responses were obtained for the Knee Lake Belt. A 100th percentile response (5 ppb, site 96) coupled with 5 sites with 95th-90th percentile responses forms a cluster in the northwest corner of the 1999 survey area. The most significant response for U is documented from the west end of southern Knee Lake. Multiple sites of 100th-95th percentile responses (8-2.5 ppb) define this anomalous site developed over an east-west-trending belt of felsic volcanic rocks. Moderately elevated U (99th and 98th percentiles (4 and 3 ppb) occur in samples collected adjacent to the Magill Lake intrusion.

**Th**: Elevated thorium results for the 1999 survey area mimic the results for U. The northwest corner of the survey area, the west end of Knee Lake and the area of the Magill Lake intrusion are all anomalous. Sites 93-97 form a moderate to low contrast response (12-24 ppb) in the northwest whereas the multi-site anomaly (32-88 ppb) at the west end of the lake is the highest contrast Th response in the 1999 survey. The anomaly at Magill Lake is a single site 100$^{th}$ percentile response of 40 ppb (site 281).

*Metals*

**Cu**: The Knee Lake Belt is marked by several clusters of moderate contrast Cu anomalies. A three site anomaly of 107-132 ppb occurs at the eastern limits of sampling and a single site 100$^{th}$ percentile response of 149 ppb occurs at site 294 within the SKSZ. Other significant responses include single site 100$^{th}$ percentiles at site 250 (120 ppb) at the west end of the lake and site 153 west of Cinder Lake (173 ppb) which has the highest Cu value in the 1999 enzyme leach survey. Higher responses appear to be associated with the southern portion of the 1999 survey area where sedimentary rocks predominate over volcanic rocks.

**Pb**: Lead responses are conspicuously higher in the northern half of the survey area where volcanic rocks predominate over sedimentary rocks. Three distinctive anomalous areas are noted. The first occurs at the northwest margin of the survey area where a four site anomaly is defined. Lead values range from 12-26 ppb and correlate to anomalous U and Th responses. A second anomaly is noted along the northwest shore of Knee Lake where three 100$^{th}$ percentile responses of 17-22 ppb are accompanied by numerous 95$^{th}$ and 90$^{th}$ percentiles. This anomaly is associated with an east-west-trending band of felsic volcanic rocks. The third anomalous area occurs east of Cinder Lake and is also associated with this felsic volcanic sequence. This five site cluster (15, 16, 51, 55 and 56) has Pb values that range from a 100$^{th}$ percentile of 18 ppb to 8 ppb (90$^{th}$ percentile). An apparent linear elevated Pb response is observed to correlate with the northern boundary of the southern Knee Lake Belt and this may reflect an east-west-trending belt-bounding high strain zone.

**Ga**: The Ga results vary sympathetically with the Pb responses and suggest the presence of Pb sulphides at the corresponding anomalous sample sites. The highest responses for the northwest corner of the area are developed for sites 89, 93, 95, 96 and 97. Values range from the 100$^{th}$ percentile response of 22 ppb (site 96) to 11 ppb at site 97. The most significant response occurs along the norhwest shore of Knee Lake where a high contrast multisite anomaly (12-19 ppb) is developed. This anomaly covers a significant portion of the felsic volcanic rocks mapped in this area. The third anomalous area is developed west and east of the south end of Cinder Lake where a linear alignment of sites 54, 56, 58 and 62 are marked by 99$^{th}$-98$^{th}$ percentile responses of 11-15 ppb. It is possible that this response also reflects a belt-bounding high strain zone.

**Zn**: A multisite cluster of high Zn responses occurs south and west of the west end of Knee Lake. The cluster is characterized by a single 100$^{th}$ percentile of 476 ppb in association with multiple 98$^{th}$ percentiles (209-263 ppb). This anomaly is developed over terrain mapped as predominantly sedimentary in origin. A two site response is noted west of this anomaly at sites 226 (100$^{th}$ percentile, 451 ppb) and 131 (98$^{th}$ percentile, 238 ppb). This anomaly is also associated with sedimentary rocks. North of southern Knee Lake a three site, high contrast anomaly is documented in association with basaltic volcanic rocks. This anomaly comprises one 100$^{th}$ percentile response of 385 ppb (site 155), one 99$^{th}$ percentile of 275 ppb (site 157) and a 95$^{th}$ percentile of 171 ppb (site 156). A single 99$^{th}$ percentile response occurs at the northwest periphery of the Magill Lake intrusion (287ppb).

**Cd**: Cadmium responses in the 1999 survey area are low contrast, however there are multiple groupings of anomalous sites that correlate to previously described base metal responses. The SKSZ and strongly foliated rocks along the north shore of the lake are marked by 100$^{th}$ percentile responses at sites 310 (1.4 ppb) and 305 (1.2 ppb). In the northeast corner of the survey area a 100$^{th}$ percentile at site 15 (4.1 ppb) is associated with a band of felsic volcanic rocks east of Cinder Lake. An isolated 99$^{th}$ percentile response occurs at site 276 (1.0 ppb) and a 100$^{th}$ percentile (2.1 ppb) occurs at site 230.

**Ni**: Four sites of significant Ni responses are identified in the Knee Lake Belt. At the northwest corner a 100$^{th}$ percentile of 91 ppb occurs at site 96 in conjunction with a 98$^{th}$ percentile (80 ppb) at site 93. The SKSZ is marked by a 100$^{th}$ percentile response and three 98$^{th}$ percentile responses. The Ni values in this zone vary from 75-89 ppb. The northwest shore of Knee Lake is also marked by a significant Ni response in three sites with 78-82 ppb representing 99$^{th}$ and 98$^{th}$ percentile responses. An isolated 100$^{th}$ percentile response occurs northwest of the Magill Lake intrusion. Site 259 is marked by the highest Ni response (91 ppb) in the 1999 survey.

**Co**: The 1999 survey area is characterized by scattered single site anomalous Co responses that are of moderate contrast. Site 261 (100$^{th}$ percentile, 53 ppb) occurs close to the southern belt margin where a major high strain zone is recognized. This response correlates to a high Ni value and is suggestive of an ultramafic affiliation. This same affiliation is demonstrated at site 259 where a 100$^{th}$ percentile of 38 ppb is documented. The highest Ni response in the 1999 survey was documented from this site. A third single sample 100$^{th}$ percentile response occurs at site 9 in the northeast of the survey area. This site has a value of 59 ppb and is just west of a 99$^{th}$ percentile response of 37 ppb at site 21. Site 21 is associated with a linear band of felsic volcanic rocks that is marked by multiple base metal responses.

**Mo:** The area northeast of the Magill Lake intrusion is marked by two 99$^{th}$ percentile responses of 48 ppb (site 285) and 44 ppb at site 319 as well as three 98$^{th}$ percentile responses of 20-21 ppb. An isolated 99$^{th}$ percentile response occurs at site 342 (62 ppb). In the northern half of the sampling area single site 100$^{th}$ percentiles are documented from three widely spaced sites. These are sites 146 (134 ppb), 147 (69 ppb) and 99 (398 ppb).

**Bi:** The presence of high Bi responses in proximity to the Magill Lake pluton mimics the results for Mo. There are 100$^{th}$ percentile responses at sites 275 (14 ppb) and 319 (12 ppb) as well as three 98$^{th}$ percentiles of 8 ppb (site 287), 9 ppb (site 274) and 10 ppb (site 319). A second cluster of anomalous sites occurs northwest of the Magill Lake intrusion at sites 342 (100$^{th}$ percentile, 35 ppb), 343 and 344 (99$^{th}$ percentiles, 11 and 12 ppb, respectively) and sites 328 and 346 (98$^{th}$ percentiles, both 8 ppb). It is interesting that the higher Bi responses are in the sedimentary-rock dominated southern half of the 1999 survey area. The most significant grouping of somewhat elevated Bi responses in the northern half of the southern Knee Lake Belt occurs east and south of Cinder Lake.

**In:** Indium responses are extremely low and are described here for sake of completeness. The 100$^{th}$ percentiles for the 1999 survey area occur west of the west end of Knee Lake at sites 98 (1.0 ppb) and 102 (0.6 ppb). A third 100$^{th}$ percentile occurs at site 275 (0.8 ppb) east of the Magill Lake intrusion.

**W:** Tungsten responses throughout the 1999 survey area are of low contrast and occur as scattered single site anomalies. The 100$^{th}$ percentiles occur at sites 89 (8 ppb), 338 (8 ppb) and 342 (12 ppb).

*Lithophile elements*

**Li**: The southern Knee Lake Belt is marked by widely spaced single site anomalous responses. The 100$^{th}$ percentile responses occur at sites 103, 143 and 285. Lithium values at these sites range from 87-116 ppb. A weakly developed northwest trending Li anomaly appears to be developed over a distance of approximately 15 km in the center of the survey area. This zone is characterized by 95$^{th}$-90$^{th}$ percentile responses with two 99$^{th}$ percentile responses at sites 66 (75 ppb) and 294 (78 ppb). There is no indication of deflection of drainage patterns in the area of this response and an absence of airomagnetic trends to confirm the presence of a structure in this area.

**Mn**: The results for Mn in the 1999 survey area are characterized by scattered single site responses. The 100$^{th}$ percentiles occur at site 261 (4688 ppb) near a high strain zone at the southern boundary of the belt, site 259 (2864 ppb) south of Knee Lake and at site 9 (2766 ppb) south of Cinder Lake. The SKSZ is marked by a single 99$^{th}$ percentile at site 293 (2727 ppb) and a single 99$^{th}$ percentile occurs near the northern belt boundary at site 100 (2238 ppb).

**Rb**: A multisample cluster of 100$^{th}$–95$^{th}$ percentile responses characterizes the northwest corner of the 1999 survey area. The 100$^{th}$ percentile response of 145 ppb occurs at site 96 and is associated with a 99$^{th}$ percentile response of 95 ppb at site 93 and three 95$^{th}$ percentiles (48-66 ppb). A significant Rb anomaly is developed in approximately the same location as the 15 km long north-northwest-trending Li anomaly. The Rb response appears strongest over an east-west-trending band of felsic volcanic rocks where 100$^{th}$ percentiles of 109 ppb (site 80) and 123 ppb (site 66) and a 99$^{th}$ percentile of 97 ppb (site 65) are observed. Highest Rb responses are observed in the northern, volcanic-rock-dominated half of the 1999 survey area.

**Sr**: A cluster of one 99$^{th}$ percentile (site 122, 513 ppb) and three 98$^{th}$ percentile responses (sites 132, 133 and 137, 498 ppb, 490 ppb and 480 ppb, respectively) occur at the western edge of the survey area near Oxford Lake. The SKSZ is marked by a 100$^{th}$ percentile response of 962 ppb at site 293 and an adjacent 98$^{th}$ percentile of 491 ppb at site 295. Isolated 100$^{th}$ percentiles occur at sites 285 (831 ppb) and 342 (872 ppb).

**Cs**: Low concentration levels for Cs are reported for the Knee Lake Belt although the results essentially mimic those for Li and Rb. A five site anomaly is documented from the northwestern survey area where a 100$^{th}$ percentile response of 5 ppb occurs at site 96 in association with two 98$^{th}$ percentiles (sites 89 and 93, 3 and 4 ppb, respectively) and two 95$^{th}$ percentiles of 1.7-2.6 ppb at sites 96 and 97. A north-northwest-trending low contrast Cs anomaly occurs in the same location in the belt as the Li and Rb 15 km long trend. The Cs anomaly comprises a 100$^{th}$ percentile response of 6 ppb at site 66, two 99$^{th}$ percentiles of 4 ppb at sites 65 and 80 and multiple 95$^{th}$ percentile responses. A third anomalous Cs trend occurs east and west of the south end of Cinder Lake. At this locality the anomaly has the form of a single 100$^{th}$ percentile response of 5 ppb at site 56, a 99$^{th}$ percentile at site 62 (4 ppb) and two 98$^{th}$ percentiles at sites 54 and 58 (both 3 ppb). This trend appears to be localized at the northern belt margin.

**Ba**: High contrast single site as well as multisample anomalies are present in the Knee Lake Belt. The Ba responses mimic, for the most part the Li, Rb and Cs responses but also define the SKSZ along the southern margin of Knee Lake. The northwestern corner of the survey area is marked by a single 100$^{th}$ percentile of 687 ppb at site 96 and a 98$^{th}$ percentile of 440 ppb at site 93. A low contrast response is documented at the southwest corner of the survey area where two 98$^{th}$ percentiles of 346 and 356 ppb at sites 233 and 235 are present. A 99$^{th}$ percentile (532 ppb at site 65) and two 98$^{th}$ percentile responses (424 ppb and 394 ppb) at sites 66 and 80, respectively define a weakly linear north-northwest geochemical trend. The Ba results do not define this trend as well as Li, Rb and Cs. The SKSZ is marked by one 100$^{th}$ percentile at site 293 (733 ppb) and a 99$^{th}$ percentile of 497 ppb at site 308. An isolated 100$^{th}$ percentile Ba response occurs at site 342 (604 ppb) and a 99$^{th}$ percentile at site 56 (468 ppb).

*High field strength elements*

**Ti**: The titanium results from the 1999 survey area have strikingly similar patterns and trends as the data for Li, Rb, Cs and to a lesser extent Ba. The three main responses include a three site anomaly in the northwest corner of the survey area that comprises a 100$^{th}$ percentile at site 96 (5484 ppb), a 99$^{th}$ percentile at site 93 (2622 ppb) and a 98$^{th}$ percentile at site 89 (2597 ppb). The second anomalous trend is an approximate 15 km long zone of elevated Ti values that trends west-northwest and is best developed in terms of contrast over an east-west-trending band of felsic volcanic rocks.

Over this lithology there are 100th percentiles for sites 80 (3294 ppb) and site 65 (3293 ppb) and a 99th percentile at site 66 (3246 ppb). The third anomalous geochemical trend is spatially associated with the northern belt margin and is an east-west zone of three 98th percentiles (2096-2598 ppb at sites 54, 58 and 62). An isolated 99th percentile occurs at site 56 (2937 ppb) east of Cinder Lake.

**Y**: High Y responses occur within the SKSZ at sites 201and 294 (100th percentiles, 124 ppb and 153 ppb, respectively) and a 99th percentile at site 250 (107 ppb). A four site cluster comprising two 98th percentiles (80-105 ppb) and a 95 percentile (72 ppb) is developed near the southern belt maragin in the southwest portion of the survey area. A single site 100th percentile occurs at site 15 (117 ppb) over a band of felsic volcanic rocks east of Cinder Lake. A 99th percentile occurs further east at site 35 (108 ppb).

**Zr**: The northwest portion of the survey area is marked by a 100th percentile at site 96, an area previously identified with elevated Ti, Li, Cs, Rb and Ba. The central portion of the survey area is characterized by a high contrast, multisite anomaly comprising 100th percentiles at sites 313 (264 ppb) and 66 (282 ppb) as well as a 99th percentile at site 80 (225 ppb) and 98th percentiles at sites 65, 67, 294 and 306. The trend of this geochemical anomaly is similar to that for Ti, Li, Rb, Cs and Ba.

**Nb**: Nb responses mimic those of Ti, Zr, Li, Rb, Cs and Ba in that they form an approximate 15 km moderately high contrast anomaly that trends north-northwest from the northern belt margin to the north shore of Knee Lake. This trend comprises 100th through 90th percentile responses and is best developed at sites 65 (13 ppb, 100th percentile), 66 (14 ppb, 100th percentile), 80 (13 ppb, 100th percentile) and 67 (9 ppb, 98th percentile). The northern belt margin is marked by three moderately elevated 98th percentiles (8-11 ppb) at sites 54, 58 and 62. Isolated single site anomalies occur at sites 56 (12 ppb) and 342 (11 ppb).

**Hf**: Low contrast Hf responses were obtained from the 1999 survey area. Two 100th percentile responses (site 66 and 313, both 5 ppb), one 99th percentile at site 80 (4 ppb) and two 98th percentiles at sites 65 and 306 (both 3 ppb) define a northwest-trending linear geochemical response in the center of the area. An isolated 100th percentile of 5 ppb occurs at the eastern edge of the Magill Lake intrusion. A single site 99th percentile response occurs in the northwest portion of the survey area at site 96 (4 ppb).

*Rare earth elements*

**TREE**: The rare earth element signatures of the southern Knee Lake Belt are expressed and interpreted on the basis of 'TREE' or the total of all rare earth elements. Elevated TREE responses are noted from sites 294 (100th percentile), 201 and 250 (99th percentiles) along the SKSZ. Away from this high strain zone there are single isolated 100th percentile responses at site 234 near the high strain zone that marks the southern belt boundary and at site 15 over a belt of felsic volcanic rocks east of Cinder Lake.

*Elements determined by ICP-AES on the enzyme leachate*

**Al:** The highest Al values obtained in the 1999 survey area are confined to the volcanic-rock dominated geological terrain in the northern half of the survey area. In this area anomalies are defined in the northwest corner on the basis of a cluster of one 98th percentile at site 89 (33.8 ppm) and four accompanying 95th percentile responses. A multisite anomaly is developed in the central portion of the survey area with a possible extent of 15 km from the northern belt margin to the north shore of Knee Lake. This anomaly comprises two 100th percentiles at sites 65 (46.7 ppm) and 66 (44.3 ppm), two 99th percentiles at sites 64 (37.8 ppm) and 80 (35 ppm) and multiple 98th percentiles. Isolated 99th percentile responses are noted at sites 71 (44 ppm) and 56 (41.8 ppm).

**Ca:** There appears to be a preponderance of higher Ca responses in the northwest portion of the survey area. This pattern commences just west of the west end of Knee Lake and continues to the western limit of sampling. The responses comprise 100th-95th percentiles. Isolated 100$^{th}$ percentiles also occur along the south shore of Knee Lake within the SKSZ (site 293, 1365 ppm) and at site 10 (702 ppm).

**Fe:** The distribution of anomalous Fe mimics numerous other element patterns such as Li, Rb, Cs, Ti and Zr. A cluster of 98$^{th}$-95$^{th}$ percentiles occurs in the northwest corner of the survey area close to the northern boundary of the belt. The central portion of the survey area is marked by significant geochemical relief in the form of multiple 100$^{th}$-98$^{th}$ percentiles that are associated with an east trending layer of felsic volcanic rocks. Elevated Fe responses are also present south and west of Cinder Lake near the northern belt boundary and east of Cinder Lake in association with two felsic volcanic sequences.

**Na:** The Na responses in the 1999 survey area are diffuse with scattered higher analyses in and around the SKSZ. The responses tend to be moderate to low contrast. The 100$^{th}$ percentiles occur at site 310 (29 ppm), 285 (53 ppm) and at site 71 (27 ppm).

**Mg:** Significant Mg responses occur in an area south of Cinder Lake to the shore of Knee Lake where a single 100$^{th}$ percentile response (site 10, 90 ppm) and two 99$^{th}$ percentiles (sites 2 and 30, 85 and 86 ppm, respectively) are documented. A single 100$^{th}$ percentile occurs within the area of the SKSZ on the south shore of Knee Lake (site 293, 219 ppm) and west of the west end of Knee Lake (site 342, 111 ppm).

**K:** Elevated K responses tend to be present in the western end of the 1999 survey area. Clusters of 99$^{th}$-95$^{th}$ percentiles form a grouping west of the west end of Knee Lake at sites 222, 131 and 136. Isolated 100$^{th}$ percentile responses occur at sites 95 (32 ppm) and 99 (42 ppm) which are both at or close to the northern boundary of the belt. A single site 99$^{th}$ percentile K response occurs at site 56 (39 ppm) and an isolated single site 100$^{th}$ percentile of 42 ppm occurs at site 285 northeast of the Magill Lake intrusion.

**Si:** The patterns observed for Si mimic those of Li, Cs, Rb, Ti, Zr, and others. A multisite high contrast anomaly is developed over and in the immediate area of an east-west-trending sequence of felsic volcanic rocks along the north shore of southern Knee Lake. The anomaly comprises two 100$^{th}$ percentile responses at sites 64 (118 ppm) and 66 (124 ppm) and a 99$^{th}$ percentile response at site 65 ( 109 ppm). These responses are coupled with multiple 98$^{th}$ and 95$^{th}$ percentile responses. Further west in the northwest corner of the survey area a circular anomalous pattern is observed. This anomaly is of lower contrast than that defined in the central portion of the area however it is equally distinct. The response comprises one 99$^{th}$ percentile at site 89 (112 ppm), a 98$^{th}$ percentile at site 97 and three 95$^{th}$ percentile responses at sites 95, 96 and 98. A single 100$^{th}$ percentile (125 ppm) occurs at site 56 east of Cinder Lake. Additionally, a linear response pattern south and west of the south end of Cinder Lake is observed. This response pattern occurs close to the northern margin of the belt.

**Mn:** The geochemical patterns observed for Mn as determined by ICP-AES are identical to those elucidated with ICP-MS analysis and as such are not discussed further here.

## Synthesis

Enzyme leach based b-horizon soil geochemical survey results have effectively delineated multisample and multielement high- to low-contrast anomalies centered on areas of strong geophysical response, structure, unique lithologies and mineralization as well as in areas where outcrop is unavailable owing to surficial deposit cover.

The southern Knee Lake greenstone belt sampled in 1999 is characterized by a northern, volcanic-rock dominated geological environment whereas the southern survey area is predominantly sedimentary rocks. This gross difference in lithology and bulk geochemistry is reflected by numerous elements in the enzyme leach survey. The northern survey area is enriched in the elements Al, Fe, Mg, K, Rb, Cs, Ti, Nb, Hf as well as Pb and Ga whereas Bi, Mn and Y are higher in sediment dominated terrain. The enzyme leach method has successfully delineated these two different geological environments and offers significant potential for subsurface lithological mapping. Numerous studies have described the successful application of the enzyme leach to problems of mapping subsurface structure and the As results from this year's survey reflect this strength. Multiple, high contrast As responses delineate the major fault and shear zone structures in the southern Knee Lake Belt. Coincident commodity element responses such as Sb, Cu, Cd, Ni and Bi should be followed up along the As trends.

The SKSZ is marked by numerous geochemical responses and may have important metallogenetic implications for mineral exploration. Multiple base and precious metal responses were obtained along this feature as well as elements indicative of structure and alteration. Subsidiary splays from the SKSZ may be inportant exploration targets for gold. Transpressional shear zones are significant in terms of gold mineralization and an example of this type of shear is the Kirkland Lake–Larder Lake–Cadillac Break (Robert, 1989; Robin and Cruden, 1994).

Two distinctive geochemical responses have been delineated in the western survey area. The major geochemical response is an approximately 15 km long, north-northwestern-trending multisite, high contrast, multielement response. This anomaly is developed primarily over an east-west-trending layer of felsic volcanic rocks just north of the northern shoreline of Knee Lake. Geochemical anomalies are developed for Al, Fe, Si, Li, Rb, Cs, Ba, Ti, Zr, Nb, Hf, Pb, Ga, U, Th and Ni. Further west in the northwest corner of the 1999 survey area is a smaller but distinctive multielement and multisite anomaly developed near the northern boundary of the belt. This anomalous response is characterized by exactly the same suite of elements as the anomaly just north of Knee Lake. Both areas warrant ground and airborne geophysical and geochemical follow-up.

The northern belt boundary is marked by subtle yet persistent responses primarily in the Cinder Lake area and west. It is possible that, like the southern belt margin where a major high strain zone is developed, the northern belt boundary is also sheared thereby providing fluid pathways and alteration/mineralization potential.

Diamond drill testing of ground electromagnetic conductors east of Cinder Lake has documented massive sulphide-type mineralization hosted in felsic volcanic rocks. Multiple enzyme leach anomalies delineate the numerous ground EM conductors in this area. Most notable are the results for Pb, Ga, Sb, Cd, Al, Fe, K, Si, Y, Rb, Cs, Ba and specific conductance.

Noteworthy in this survey is the success of the enzyme leach technique at a 1 km sampling scale and the correspondence with rock, humus, vegetation and till geochemical survey results. This co-variability is particularly important since many of the sites sampled in 1999 were in areas of no outcrop. The ability to provide meaningful soil geochemical data that can be integrated with other geochemical, geophysical and geological data provides the mineral explorationist with a valuable tool in the search for buried and/or blind mineralization.

## Conclusions

The following conclusions are apparent from the 1999 b-horizon soil geochemical survey based on the enzyme leach process:

1. High contrast multielement and multisite anomalous responses have been delineated in the southern Knee Lake greenstone belt. These base and precious metal responses along with those responses attributable to shear zones should be followed up by prospecting and detailed geophysical and geochemical surveys.

2. The southern Knee Lake greenstone belt is characterized by a northern, volcanic-rock dominated geological environment whereas the southern survey area is predominantly sedimentary rocks. This gross difference in lithology and bulk geochemistry is reflected by numerous major and trace elements in the enzyme leach survey.

3. A properly collected, prepared and analyzed b-horizon soil sample can effectively target base and precious metal anomalies for subsequent follow-up.

4. The significant areal expanses of peat wetlands and till cover in the 1999 multimedia survey does not prohibit the acquisition of meaningful soil geochemical data derived from the enzyme leaching of b-horizon soil samples. Analysis of the enzyme leachate by ICP-AES provides a suite of elements capable of mapping regional trends of alteration.

## Appendix B-1

# ICP-MS (Enzyme Leach), ICP-OES, $H^+$ and *K* Analyses.

| Sample Site | UTM Easting | UTM Northing | S.Q.Li ppb | S.Q.Cl ppb | S.Q.Ti ppb | V ppb | Mn ppb | Co ppb | Ni ppb | Cu ppb | Zn ppb | Ga ppb | As ppb | Br ppb | Rb ppb | Sr ppb | Y ppb | Zr ppb | Nb ppb | Mo ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-1 | 381338.32 | 6086855.25 | 22 | 1500 | 312 | 137 | 131 | 3 | 17 | 61 | 57 | 3.2 | 21 | 94 | 36 | 189 | 33 | 45 | 1.4 | 3 |
| 99B-2 | 379928.11 | 6087059.58 | 17 | 1500 | 111 | 199 | 345 | 3 | 12 | 71 | 106 | 1.1 | 35 | 302 | 8 | 333 | 12 | 13 | 0.5 | 6 |
| 99B-3 | 380864.52 | 6085155.70 | 5 | 1500 | 193 | 33 | 544 | 3 | 10 | 33 | 85 | 0.5 | 17 | 15 | 22 | 271 | 4 | 30 | 0.5 | 3 |
| 99B-4 | 385575.87 | 6057998.38 | 19 | 1500 | 169 | 170 | 717 | 11 | 27 | 49 | 73 | 1.8 | 27 | 93 | 13 | 212 | 39 | 45 | 0.5 | 6 |
| 99B-5 | 386340.97 | 6060776.00 | 10 | 4134 | 368 | 161 | 774 | 15 | 42 | 45 | 78 | 2.6 | 25 | 105 | 9 | 182 | 49 | 42 | 1.6 | 4 |
| 99B-6 | 385118.63 | 6064597.68 | 24 | 1500 | 190 | 254 | 395 | 10 | 38 | 56 | 56 | 1.5 | 26 | 253 | 17 | 186 | 88 | 149 | 2.0 | 14 |
| 99B-7 | 380012.55 | 6085720.22 | 10 | 7980 | 274 | 103 | 1087 | 18 | 33 | 47 | 136 | 2.9 | 27 | 124 | 11 | 254 | 44 | 60 | 2.0 | 17 |
| 99B-8 | 381843.70 | 6085393.08 | 5 | 3028 | 178 | 65 | 207 | 3 | 15 | 18 | 65 | 0.5 | 13 | 111 | 13 | 254 | 16 | 20 | 1.2 | 12 |
| 99B-9 | 381226.37 | 6084881.63 | 19 | 1500 | 211 | 101 | 2766 | 59 | 31 | 36 | 44 | 3.0 | 16 | 96 | 22 | 145 | 37 | 108 | 1.7 | 8 |
| 99B-10 | 380814.98 | 6083990.92 | 5 | 5144 | 252 | 50 | 1375 | 16 | 17 | 35 | 55 | 0.5 | 17 | 97 | 15 | 364 | 12 | 27 | 1.1 | 10 |
| 99B-11 | 382124.73 | 6084199.82 | 11 | 6501 | 152 | 151 | 300 | 5 | 23 | 68 | 49 | 2.3 | 31 | 245 | 5 | 331 | 40 | 42 | 1.1 | 10 |
| 99B-12 | 384139.45 | 6089907.45 | 5 | 6653 | 311 | 80 | 1440 | 29 | 27 | 64 | 47 | 2.7 | 18 | 75 | 22 | 154 | 96 | 105 | 1.8 | 6 |
| 99B-13 | 385120.09 | 6089836.36 | 16 | 7485 | 142 | 120 | 546 | 7 | 24 | 60 | 76 | 0.5 | 24 | 68 | 12 | 344 | 27 | 19 | 0.5 | 9 |
| 99B-14 | 386060.67 | 6089790.62 | 23 | 8737 | 184 | 154 | 648 | 7 | 27 | 48 | 46 | 2.0 | 27 | 128 | 22 | 310 | 28 | 38 | 1.0 | 9 |
| 99B-15 | 385609.68 | 6088356.80 | 20 | 1500 | 376 | 138 | 1053 | 18 | 53 | 83 | 63 | 3.2 | 25 | 95 | 8 | 166 | 117 | 100 | 1.8 | 5 |
| 99B-16 | 386107.09 | 6089134.20 | 5 | 1500 | 205 | 66 | 526 | 9 | 35 | 50 | 37 | 2.1 | 37 | 45 | 3 | 255 | 33 | 25 | 1.2 | 8 |
| 99B-17 | 386831.55 | 6088342.61 | 5 | 6390 | 179 | 153 | 921 | 13 | 26 | 85 | 39 | 1.9 | 39 | 145 | 9 | 237 | 63 | 49 | 1.2 | 9 |
| 99B-18 | 384402.98 | 6085799.86 | 19 | 3916 | 826 | 136 | 752 | 9 | 32 | 52 | 199 | 4.3 | 23 | 91 | 43 | 216 | 46 | 134 | 4.3 | 8 |
| 99B-19 | 383518.94 | 6085591.65 | 23 | 1500 | 1647 | 140 | 1352 | 19 | 40 | 44 | 208 | 8.5 | 16 | 60 | 48 | 139 | 17 | 73 | 6.3 | 4 |
| 99B-20 | 385498.35 | 6085864.44 | 35 | 1500 | 801 | 337 | 190 | 5 | 29 | 62 | 107 | 4.6 | 45 | 134 | 29 | 136 | 30 | 53 | 3.4 | 6 |
| 99B-21-1 Field Duplicate | 384823.47 | 6085301.09 | 20 | 4697 | 411 | 170 | 1711 | 37 | 40 | 65 | 49 | 4.6 | 28 | 84 | 9 | 151 | 98 | 112 | 1.9 | 6 |
| 99B-21-2 Field Duplicate | 384823.47 | 6085301.09 | 14 | 6674 | 233 | 141 | 1428 | 25 | 40 | 65 | 34 | 4.1 | 30 | 94 | 8 | 209 | 79 | 91 | 1.4 | 8 |
| 99B-22 | 383626.62 | 6084172.60 | 25 | 1500 | 438 | 120 | 1075 | 11 | 32 | 55 | 97 | 3.2 | 28 | 110 | 21 | 145 | 60 | 180 | 2.1 | 4 |
| 99B-23 | 382797.60 | 6083251.65 | 16 | 8701 | 215 | 169 | 966 | 10 | 61 | 112 | 127 | 3.2 | 40 | 201 | 6 | 399 | 34 | 42 | 1.1 | 8 |
| 99B-24 | 383922.80 | 6083064.31 | 21 | 1500 | 687 | 104 | 554 | 9 | 22 | 48 | 64 | 3.4 | 17 | 59 | 31 | 125 | 30 | 110 | 2.9 | 2 |
| 99B-25 | 390069.10 | 6090107.94 | 25 | 1500 | 623 | 100 | 293 | 6 | 19 | 41 | 229 | 2.3 | 14 | 44 | 32 | 102 | 17 | 81 | 2.7 | 2 |
| 99B-26 | 389273.35 | 6089551.83 | 51 | 4491 | 508 | 178 | 1793 | 30 | 72 | 83 | 85 | 3.0 | 35 | 72 | 10 | 149 | 90 | 88 | 2.8 | 3 |
| 99B-27 | 388381.58 | 6088845.50 | 11 | 1500 | 203 | 48 | 248 | 2 | 10 | 27 | 77 | 0.5 | 16 | 15 | 8 | 245 | 11 | 15 | 0.5 | 4 |
| 99B-28 | 391096.14 | 6090415.34 | 5 | 1500 | 248 | 52 | 257 | 5 | 11 | 24 | 76 | 1.8 | 10 | 71 | 21 | 198 | 17 | 32 | 1.4 | 5 |
| 99B-29 | 390765.20 | 6089215.18 | 5 | 6031 | 177 | 90 | 1244 | 21 | 17 | 92 | 48 | 1.2 | 22 | 123 | 2 | 210 | 18 | 13 | 0.5 | 9 |
| 99B-30 | 389922.08 | 6088381.30 | 5 | 1500 | 201 | 62 | 167 | 2 | 13 | 38 | 48 | 1.3 | 18 | 15 | 7 | 266 | 7 | 21 | 0.5 | 2 |
| 99B-31 | 387776.64 | 6087871.04 | 14 | 4345 | 157 | 202 | 905 | 8 | 51 | 110 | 54 | 1.2 | 39 | 262 | 7 | 361 | 42 | 37 | 0.5 | 8 |
| 99B-32 | 389281.25 | 6087309.72 | 5 | 3599 | 140 | 80 | 833 | 13 | 21 | 93 | 32 | 1.2 | 12 | 81 | 15 | 256 | 33 | 16 | 0.5 | 6 |
| 99B-33 | 387035.08 | 6086978.20 | 37 | 5731 | 190 | 129 | 244 | 2 | 34 | 47 | 47 | 2.2 | 43 | 112 | 3 | 384 | 43 | 50 | 1.5 | 5 |
| 99B-34 | 388567.46 | 6086677.37 | 5 | 5506 | 375 | 94 | 511 | 12 | 17 | 34 | 37 | 2.8 | 22 | 71 | 2 | 163 | 20 | 20 | 1.9 | 6 |
| 99B-35 | 390865.79 | 6088176.15 | 23 | 6345 | 540 | 195 | 2029 | 29 | 63 | 76 | 50 | 3.9 | 32 | 70 | 13 | 183 | 108 | 129 | 2.6 | 4 |
| 99B-36 | 390299.61 | 6087715.51 | 15 | 4529 | 210 | 135 | 342 | 4 | 19 | 40 | 55 | 0.5 | 23 | 109 | 23 | 771 | 29 | 29 | 1.9 | 13 |
| 99B-38 | 392410.86 | 6087648.10 | 23 | 1500 | 693 | 117 | 605 | 16 | 39 | 67 | 67 | 3.9 | 19 | 58 | 30 | 134 | 32 | 136 | 3.1 | 2 |
| 99B-39 | 392898.97 | 6086971.53 | 5 | 7106 | 201 | 54 | 624 | 8 | 14 | 26 | 111 | 0.5 | 23 | 41 | 12 | 213 | 19 | 18 | 0.5 | 5 |
| 99B-40 | 392559.91 | 6086340.04 | 5 | 1500 | 191 | 22 | 406 | 3 | 8 | 24 | 63 | 0.5 | 12 | 15 | 9 | 259 | 7 | 16 | 0.5 | 5 |
| 99B-41-1 Field Duplicate | 391167.56 | 6086589.75 | 15 | 1500 | 201 | 139 | 250 | 5 | 23 | 43 | 52 | 0.5 | 22 | 85 | 10 | 186 | 39 | 83 | 1.8 | 2 |
| 99B-41-2 Field Duplicate | 391167.56 | 6086589.75 | 15 | 1500 | 245 | 155 | 248 | 6 | 28 | 44 | 40 | 0.5 | 25 | 107 | 12 | 208 | 42 | 109 | 2.2 | 3 |
| 99B-42 | 391238.39 | 6085940.29 | 14 | 1500 | 337 | 63 | 303 | 6 | 16 | 37 | 62 | 0.5 | 22 | 84 | 25 | 149 | 28 | 143 | 1.9 | 5 |
| 99B-43 | 389804.68 | 6084999.49 | 5 | 1500 | 372 | 34 | 683 | 9 | 9 | 31 | 29 | 2.9 | 12 | 75 | 37 | 88 | 35 | 91 | 1.6 | 3 |
| 99B-44 | 389261.00 | 6083667.72 | 22 | 7264 | 169 | 133 | 532 | 7 | 26 | 41 | 25 | 3.3 | 24 | 128 | 13 | 281 | 46 | 44 | 0.5 | 3 |

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-45 | 386653.33 | 6084343.11 | 5 | 1500 | 167 | 65 | 901 | 11 | 18 | 32 | 32 | 1.2 | 14 | 34 | 5 | 267 | 27 | 35 | 0.5 | 8 |
| 99B-46 | 385883.41 | 6083393.71 | 5 | 1500 | 187 | 30 | 186 | 3 | 6 | 13 | 20 | 0.5 | 7 | 15 | 5 | 160 | 11 | 13 | 0.5 | 3 |
| 99B-47 | 384919.22 | 6082875.51 | 30 | 1500 | 162 | 165 | 1474 | 14 | 46 | 132 | 26 | 0.5 | 30 | 65 | 16 | 327 | 27 | 49 | 0.5 | 3 |
| 99B-48 | 383904.64 | 6082648.05 | 41 | 1500 | 920 | 146 | 404 | 8 | 38 | 73 | 67 | 5.6 | 25 | 200 | 45 | 159 | 53 | 154 | 4.2 | 2 |
| 99B-49 | 388981.01 | 6090705.90 | 5 | 1500 | 218 | 63 | 675 | 21 | 29 | 42 | 32 | 1.5 | 42 | 38 | 8 | 212 | 28 | 37 | 1.2 | 4 |
| 99B-50 | 387427.39 | 6090166.15 | 10 | 1500 | 127 | 89 | 1438 | 11 | 22 | 39 | 20 | 2.1 | 26 | 69 | 13 | 286 | 40 | 34 | 0.5 | 17 |
| 99B-51 | 385816.88 | 6087616.81 | 5 | 7195 | 235 | 14 | 33 | 7 | 9 | 38 | 68 | 1.6 | 7 | 61 | 21 | 54 | 8 | 18 | 1.2 | 7 |
| 99B-52 | 382575.20 | 6088407.01 | 15 | 4161 | 775 | 44 | 212 | 6 | 23 | 28 | 170 | 5.4 | 11 | 197 | 26 | 101 | 14 | 32 | 3.2 | 8 |
| 99B-53 | 381611.17 | 6087984.39 | 13 | 6125 | 487 | 44 | 269 | 5 | 18 | 25 | 33 | 4.2 | 14 | 70 | 22 | 172 | 17 | 66 | 2.1 | 9 |
| 99B-54 | 380446.70 | 6088630.40 | 51 | 1500 | 2156 | 85 | 450 | 11 | 65 | 68 | 75 | 12.4 | 18 | 45 | 70 | 72 | 72 | 176 | 9.2 | 5 |
| 99B-55 | 384763.43 | 6089168.41 | 20 | 4237 | 1107 | 51 | 309 | 9 | 34 | 46 | 50 | 7.1 | 16 | 85 | 42 | 152 | 26 | 73 | 5.1 | 11 |
| 99B-56 | 384593.57 | 6087985.36 | 56 | 3163 | 2937 | 134 | 352 | 11 | 65 | 82 | 98 | 15.9 | 35 | 79 | 88 | 243 | 30 | 138 | 11.6 | 11 |
| 99B-57 | 380747.02 | 6088073.86 | 31 | 4454 | 1755 | 71 | 262 | 8 | 44 | 74 | 93 | 9.0 | 20 | 134 | 47 | 134 | 31 | 92 | 7.0 | 8 |
| 99B-58 | 379201.36 | 6089481.35 | 41 | 3494 | 2591 | 84 | 405 | 9 | 57 | 65 | 74 | 11.9 | 18 | 70 | 71 | 69 | 32 | 168 | 11.2 | 4 |
| 99B-59 | 376870.52 | 6089445.37 | 18 | 6791 | 875 | 52 | 181 | 4 | 22 | 41 | 58 | 4.9 | 16 | 37 | 33 | 124 | 22 | 74 | 3.6 | 3 |
| 99B-62 | 374649.11 | 6089718.54 | 43 | 1500 | 2356 | 85 | 306 | 9 | 52 | 50 | 75 | 14.1 | 18 | 66 | 81 | 130 | 36 | 124 | 9.8 | 4 |
| 99B-63 | 371851.38 | 6084985.15 | 26 | 5517 | 1313 | 68 | 245 | 8 | 44 | 48 | 75 | 9.9 | 19 | 107 | 56 | 131 | 33 | 97 | 5.6 | 5 |
| 99B-64 | 370818.75 | 6084894.62 | 51 | 4343 | 2093 | 104 | 322 | 9 | 57 | 88 | 65 | 13.3 | 25 | 157 | 71 | 190 | 35 | 130 | 8.5 | 10 |
| 99B-65 | 371421.23 | 6083690.52 | 53 | 7107 | 3293 | 137 | 784 | 27 | 87 | 70 | 87 | 17.6 | 39 | 222 | 97 | 172 | 54 | 180 | 13.2 | 12 |
| 99B-66 | 370239.75 | 6083375.40 | 75 | 1500 | 3246 | 128 | 413 | 13 | 78 | 75 | 100 | 19.1 | 20 | 102 | 123 | 151 | 54 | 282 | 14.2 | 7 |
| 99B-67 | 369512.90 | 6082951.85 | 43 | 6765 | 2140 | 90 | 230 | 7 | 46 | 64 | 58 | 12.2 | 25 | 309 | 69 | 199 | 36 | 177 | 9.3 | 7 |
| 99B-68 | 378482.32 | 6086547.36 | 28 | 5084 | 1546 | 73 | 358 | 10 | 43 | 40 | 51 | 9.4 | 18 | 105 | 49 | 135 | 24 | 77 | 5.7 | 5 |
| 99B-69 | 378901.57 | 6085104.21 | 14 | 1500 | 645 | 35 | 115 | 4 | 16 | 24 | 38 | 5.7 | 7 | 65 | 24 | 87 | 16 | 39 | 2.7 | 3 |
| 99B-70-1 Field Duplicate | 377176.25 | 6084802.55 | 21 | 6024 | 1307 | 67 | 424 | 11 | 47 | 51 | 43 | 8.2 | 18 | 187 | 34 | 105 | 51 | 119 | 5.7 | 6 |
| 99B-70-2 Field Duplicate | 377176.25 | 6084802.55 | 43 | 7101 | 3074 | 125 | 567 | 16 | 82 | 86 | 78 | 14.5 | 25 | 127 | 61 | 104 | 86 | 287 | 13.4 | 6 |
| 99B-71 | 375594.28 | 6084702.04 | 47 | 3925 | 2090 | 111 | 269 | 8 | 54 | 59 | 56 | 12.7 | 32 | 182 | 71 | 279 | 60 | 183 | 8.3 | 9 |
| 99B-72 | 370123.86 | 6085972.41 | 38 | 5097 | 2572 | 83 | 366 | 10 | 56 | 51 | 80 | 13.6 | 15 | 136 | 79 | 105 | 29 | 114 | 10.3 | 4 |
| 99B-73 | 370656.16 | 6087109.32 | 21 | 5176 | 981 | 51 | 137 | 4 | 28 | 34 | 57 | 6.9 | 18 | 286 | 38 | 100 | 21 | 65 | 4.4 | 6 |
| 99B-74 | 368347.58 | 6082970.14 | 42 | 4962 | 1747 | 88 | 324 | 8 | 58 | 97 | 67 | 11.5 | 28 | 107 | 58 | 224 | 31 | 116 | 6.9 | 8 |
| 99B-75 | 367566.14 | 6083452.59 | 31 | 6061 | 1127 | 113 | 245 | 8 | 32 | 65 | 50 | 8.0 | 23 | 121 | 48 | 212 | 18 | 78 | 4.7 | 6 |
| 99B-76 | 366875.73 | 6082011.38 | 35 | 4799 | 1535 | 103 | 482 | 12 | 65 | 104 | 63 | 11.5 | 27 | 155 | 48 | 266 | 66 | 147 | 6.1 | 7 |
| 99B-77 | 366237.10 | 6081599.59 | 34 | 4871 | 1640 | 89 | 370 | 8 | 55 | 82 | 50 | 10.1 | 25 | 113 | 55 | 209 | 45 | 122 | 6.6 | 6 |
| 99B-78 | 368777.48 | 6081793.37 | 5 | 3913 | 50 | 20 | 259 | 5 | 11 | 24 | 19 | 3.0 | 13 | 111 | 3 | 144 | 23 | 25 | 0.5 | 5 |
| 99B-79 | 369918.79 | 6081283.90 | 20 | 5260 | 1101 | 59 | 192 | 6 | 29 | 37 | 46 | 7.6 | 15 | 167 | 45 | 122 | 25 | 88 | 4.5 | 8 |
| 99B-80 | 371536.33 | 6081711.47 | 72 | 4424 | 3294 | 156 | 776 | 22 | 82 | 76 | 89 | 15.8 | 30 | 182 | 109 | 168 | 31 | 225 | 12.7 | 6 |
| 99B-81 | 370746.10 | 6087688.00 | 5 | 6077 | 117 | 13 | 600 | 9 | 9 | 18 | 28 | 1.2 | 21 | 57 | 6 | 162 | 6 | 22 | 0.5 | 3 |
| 99B-82-1 Field Duplicate | 372516.50 | 6088851.06 | 22 | 4477 | 641 | 26 | 323 | 5 | 14 | 21 | 56 | 3.1 | 14 | 15 | 27 | 144 | 8 | 23 | 2.4 | 3 |
| 99B-82-2 Field Duplicate | 372516.50 | 6088851.06 | 22 | 5492 | 602 | 28 | 185 | 3 | 14 | 24 | 31 | 4.2 | 15 | 15 | 29 | 108 | 9 | 21 | 2.1 | 4 |
| 99B-83 | 372026.99 | 6090288.56 | 5 | 4746 | 177 | 21 | 274 | 5 | 10 | 24 | 29 | 0.5 | 9 | 15 | 9 | 90 | 13 | 18 | 0.5 | 1 |
| 99B-84 | 370517.90 | 6089778.24 | 23 | 7646 | 656 | 29 | 319 | 5 | 19 | 20 | 40 | 5.8 | 13 | 15 | 34 | 143 | 6 | 22 | 2.6 | 4 |
| 99B-85 | 370224.45 | 6088963.94 | 12 | 5420 | 458 | 25 | 115 | 3 | 10 | 18 | 49 | 2.4 | 7 | 15 | 18 | 83 | 7 | 14 | 1.3 | 2 |
| 99B-86 | 370086.72 | 6088310.03 | 20 | 1500 | 873 | 136 | 451 | 7 | 24 | 26 | 84 | 5.4 | 18 | 145 | 48 | 241 | 25 | 55 | 4.5 | 11 |
| 99B-87 | 365628.38 | 6087349.81 | 31 | 1500 | 1690 | 87 | 192 | 8 | 42 | 48 | 51 | 10.0 | 19 | 423 | 51 | 161 | 26 | 76 | 7.2 | 5 |
| 99B-88 | 366652.68 | 6088345.47 | 42 | 1500 | 2166 | 86 | 251 | 10 | 56 | 65 | 60 | 10.3 | 27 | 68 | 61 | 81 | 46 | 110 | 8.3 | 3 |
| 99B-89 | 359762.87 | 6089860.45 | 42 | 3464 | 2597 | 96 | 260 | 8 | 61 | 81 | 63 | 12.0 | 24 | 104 | 66 | 182 | 46 | 128 | 10.4 | 5 |
| 99B-90 | 360419.16 | 6090713.89 | 5 | 1500 | 50 | 20 | 193 | 5 | 12 | 22 | 40 | 1.4 | 10 | 37 | 5 | 134 | 11 | 16 | 0.5 | 2 |
| 99B-91 | 367854.62 | 6089411.77 | 14 | 4906 | 919 | 50 | 519 | 9 | 28 | 27 | 55 | 6.3 | 10 | 138 | 24 | 83 | 30 | 53 | 3.8 | 3 |
| 99B-93 | 360817.18 | 6089935.46 | 57 | 1500 | 2622 | 111 | 671 | 17 | 80 | 83 | 95 | 14.4 | 27 | 108 | 95 | 149 | 53 | 165 | 10.9 | 3 |
| 99B-94 | 361334.61 | 6088793.40 | 5 | 1500 | 441 | 22 | 202 | 8 | 13 | 19 | 49 | 2.8 | 8 | 57 | 26 | 61 | 32 | 55 | 2.1 | 1 |
| 99B-95 | 359548.28 | 6088342.12 | 30 | 4417 | 1275 | 77 | 361 | 9 | 41 | 70 | 64 | 11.4 | 21 | 104 | 58 | 206 | 45 | 87 | 5.3 | 5 |
| 99B-96 | 360462.48 | 6087420.55 | 64 | 6609 | 5484 | 138 | 1125 | 28 | 91 | 59 | 102 | 22.4 | 24 | 61 | 145 | 173 | 35 | 294 | 18.4 | 2 |

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-97 | 361670.11 | 6088011.47 | 30 | 1500 | 1305 | 79 | 358 | 10 | 49 | 62 | 43 | 9.5 | 21 | 148 | 54 | 192 | 34 | 113 | 5.5 | 6 |
| 99B-98 | 360997.64 | 6086474.25 | 16 | 6722 | 160 | 124 | 1851 | 15 | 41 | 66 | 41 | 3.1 | 27 | 345 | 10 | 288 | 18 | 19 | 1.7 | 20 |
| 99B-99 | 366531.44 | 6089734.77 | 74 | 6354 | 126 | 259 | 542 | 3 | 22 | 46 | 15 | 0.5 | 33 | 63 | 13 | 399 | 9 | 13 | 1.2 | 398 |
| 99B-100 | 365660.55 | 6089907.35 | 22 | 1500 | 50 | 10 | 2238 | 15 | 7 | 21 | 56 | 1.1 | 3 | 15 | 47 | 72 | 5 | 6 | 0.5 | 12 |
| 99B-101-1 Field Duplicate | 364004.46 | 6090265.61 | 5 | 4088 | 349 | 99 | 572 | 13 | 15 | 26 | 39 | 1.9 | 12 | 57 | 9 | 106 | 18 | 31 | 1.6 | 9 |
| 99B-101-2 Field Duplicate | 364004.46 | 6090265.61 | 11 | 6191 | 208 | 99 | 572 | 10 | 19 | 29 | 40 | 2.2 | 17 | 65 | 5 | 250 | 22 | 15 | 1.1 | 11 |
| 99B-102 | 365042.73 | 6085719.91 | 12 | 8944 | 181 | 108 | 1456 | 9 | 33 | 69 | 24 | 0.5 | 19 | 214 | 4 | 298 | 23 | 13 | 0.5 | 14 |
| 99B-103 | 363623.14 | 6086658.21 | 87 | 3934 | 459 | 135 | 1474 | 28 | 42 | 64 | 53 | 2.2 | 34 | 106 | 27 | 208 | 52 | 115 | 2.6 | 8 |
| 99B-104 | 365252.32 | 6088140.42 | 14 | 4976 | 195 | 119 | 1414 | 7 | 36 | 59 | 33 | 1.5 | 17 | 76 | 9 | 283 | 15 | 15 | 1.0 | 13 |
| 99B-105 | 369243.39 | 6088065.28 | 66 | 1500 | 182 | 155 | 408 | 5 | 18 | 38 | 29 | 1.7 | 23 | 45 | 19 | 467 | 7 | 8 | 0.5 | 16 |
| 99B-106 | 369259.00 | 6087478.80 | 5 | 3486 | 162 | 89 | 461 | 4 | 9 | 33 | 24 | 1.0 | 16 | 128 | 30 | 246 | 15 | 12 | 0.5 | 8 |
| 99B-107 | 367342.33 | 6086563.25 | 22 | 1500 | 160 | 113 | 267 | 3 | 9 | 35 | 19 | 0.5 | 22 | 273 | 7 | 282 | 6 | 10 | 0.5 | 5 |
| 99B-108 | 366150.70 | 6085252.06 | 14 | 1500 | 240 | 34 | 720 | 6 | 17 | 26 | 36 | 1.3 | 15 | 15 | 10 | 253 | 5 | 8 | 1.1 | 4 |
| 99B-109 | 368585.13 | 6084340.09 | 28 | 1500 | 142 | 186 | 745 | 6 | 23 | 53 | 21 | 2.4 | 29 | 72 | 14 | 320 | 15 | 16 | 0.5 | 8 |
| 99B-110 | 365361.78 | 6084343.39 | 28 | 1500 | 157 | 200 | 533 | 5 | 18 | 51 | 33 | 2.0 | 30 | 44 | 11 | 422 | 8 | 14 | 0.5 | 6 |
| 99B-111 | 371414.93 | 6082844.68 | 5 | 1500 | 196 | 32 | 354 | 2 | 15 | 35 | 47 | 0.5 | 12 | 15 | 10 | 202 | 6 | 11 | 0.5 | 4 |
| 99B-112 | 373206.39 | 6082560.89 | 5 | 3729 | 115 | 115 | 802 | 4 | 21 | 68 | 30 | 0.5 | 18 | 48 | 14 | 327 | 10 | 13 | 0.5 | 8 |
| 99B-113 | 374372.83 | 6082434.83 | 21 | 3678 | 141 | 97 | 363 | 4 | 23 | 59 | 71 | 1.2 | 24 | 40 | 14 | 314 | 16 | 20 | 0.5 | 6 |
| 99B-114 | 375612.85 | 6082701.79 | 41 | 4515 | 149 | 159 | 414 | 5 | 25 | 57 | 43 | 1.9 | 28 | 81 | 11 | 427 | 32 | 30 | 1.1 | 10 |
| 99B-115 | 376837.58 | 6083283.99 | 13 | 1500 | 248 | 67 | 350 | 3 | 12 | 33 | 49 | 0.5 | 16 | 15 | 14 | 234 | 8 | 20 | 0.5 | 12 |
| 99B-116 | 376836.61 | 6082259.30 | 5 | 1500 | 175 | 84 | 1009 | 10 | 26 | 44 | 33 | 0.5 | 18 | 174 | 8 | 180 | 20 | 18 | 0.5 | 8 |
| 99B-117 | 377727.45 | 6082617.72 | 5 | 6144 | 162 | 92 | 1619 | 12 | 44 | 67 | 68 | 2.0 | 18 | 158 | 6 | 244 | 25 | 18 | 0.5 | 7 |
| 99B-118 | 380435.24 | 6082526.84 | 39 | 6794 | 339 | 158 | 1421 | 27 | 37 | 66 | 50 | 1.7 | 25 | 84 | 19 | 162 | 37 | 64 | 1.7 | 4 |
| 99B-119 | 382085.70 | 6083046.21 | 62 | 1500 | 882 | 110 | 953 | 14 | 33 | 31 | 70 | 4.5 | 19 | 15 | 45 | 122 | 17 | 51 | 3.8 | 1 |
| 99B-120 | 356959.53 | 6089846.66 | 17 | 9357 | 162 | 203 | 773 | 10 | 35 | 78 | 30 | 3.5 | 49 | 117 | 20 | 358 | 36 | 31 | 1.2 | 9 |
| 99B-121 | 356420.52 | 6088346.81 | 18 | 8293 | 213 | 181 | 1725 | 17 | 48 | 60 | 30 | 1.6 | 33 | 121 | 17 | 238 | 53 | 53 | 1.1 | 10 |
| 99B-122 | 355531.65 | 6086917.04 | 41 | 1500 | 110 | 165 | 756 | 5 | 25 | 51 | 16 | 1.6 | 31 | 67 | 18 | 513 | 11 | 12 | 0.5 | 15 |
| 99B-123 | 357174.69 | 6086097.90 | 21 | 3499 | 125 | 168 | 834 | 6 | 32 | 76 | 56 | 1.3 | 24 | 92 | 14 | 382 | 18 | 15 | 0.5 | 9 |
| 99B-124-1 Field Duplicate | 362147.22 | 6090729.66 | 16 | 1500 | 136 | 106 | 873 | 9 | 14 | 43 | 30 | 0.5 | 23 | 323 | 13 | 409 | 12 | 15 | 0.5 | 7 |
| 99B-124-2 Field Duplicate | 362147.22 | 6090729.66 | 12 | 4135 | 142 | 107 | 562 | 5 | 15 | 50 | 36 | 1.7 | 23 | 560 | 17 | 327 | 12 | 14 | 0.5 | 9 |
| 99B-125 | 362574.30 | 6088793.60 | 5 | 1500 | 158 | 55 | 482 | 5 | 13 | 34 | 15 | 0.5 | 24 | 131 | 8 | 275 | 8 | 9 | 0.5 | 4 |
| 99B-126 | 359632.73 | 6085112.70 | 16 | 1500 | 117 | 112 | 821 | 8 | 19 | 65 | 17 | 2.5 | 23 | 420 | 11 | 332 | 10 | 11 | 0.5 | 8 |
| 99B-127 | 359088.91 | 6087067.02 | 18 | 1500 | 138 | 160 | 566 | 4 | 13 | 42 | 15 | 1.4 | 29 | 58 | 12 | 333 | 8 | 11 | 0.5 | 5 |
| 99B-129 | 354975.32 | 6089429.73 | 5 | 5936 | 148 | 126 | 555 | 6 | 23 | 71 | 27 | 2.2 | 27 | 78 | 12 | 351 | 20 | 20 | 0.5 | 11 |
| 99B-131 | 356359.18 | 6084946.56 | 30 | 1500 | 134 | 196 | 493 | 4 | 23 | 77 | 238 | 1.0 | 32 | 71 | 11 | 321 | 11 | 17 | 0.5 | 4 |
| 99B-132 | 352858.25 | 6086503.69 | 39 | 1500 | 163 | 194 | 726 | 3 | 24 | 73 | 23 | 1.3 | 32 | 32 | 16 | 498 | 8 | 13 | 0.5 | 10 |
| 99B-133 | 350961.55 | 6085671.72 | 55 | 3155 | 197 | 167 | 1467 | 13 | 45 | 84 | 74 | 1.6 | 20 | 32 | 23 | 490 | 16 | 27 | 1.3 | 10 |
| 99B-134 | 353845.36 | 6085793.03 | 11 | 1500 | 109 | 133 | 1252 | 8 | 42 | 89 | 12 | 3.2 | 25 | 370 | 12 | 345 | 20 | 20 | 0.5 | 11 |
| 99B-135 | 354883.31 | 6084079.64 | 13 | 1500 | 142 | 140 | 249 | 2 | 13 | 53 | 20 | 1.8 | 26 | 82 | 9 | 382 | 13 | 15 | 0.5 | 12 |
| 99B-136 | 349567.90 | 6083833.12 | 5 | 1500 | 126 | 70 | 609 | 5 | 14 | 34 | 12 | 0.5 | 18 | 63 | 21 | 293 | 14 | 16 | 0.5 | 7 |
| 99B-137 | 351850.75 | 6084320.15 | 32 | 1500 | 150 | 268 | 372 | 4 | 35 | 48 | 19 | 2.2 | 30 | 100 | 20 | 480 | 16 | 22 | 0.5 | 8 |
| 99B-138 | 352071.35 | 6085574.59 | 46 | 1500 | 169 | 247 | 480 | 3 | 18 | 51 | 37 | 0.5 | 33 | 15 | 17 | 401 | 10 | 12 | 0.5 | 7 |
| 99B-139 | 357564.78 | 6084160.24 | 11 | 1500 | 119 | 103 | 919 | 9 | 19 | 78 | 31 | 1.5 | 37 | 272 | 12 | 349 | 19 | 22 | 0.5 | 10 |
| 99B-140 | 363864.01 | 6082169.82 | 10 | 1500 | 130 | 79 | 442 | 4 | 12 | 32 | 55 | 0.5 | 14 | 335 | 12 | 267 | 10 | 12 | 0.5 | 7 |
| 99B-141-1 Field Duplicate | 362142.99 | 6084076.48 | 29 | 1500 | 473 | 229 | 1610 | 25 | 37 | 57 | 38 | 3.0 | 23 | 176 | 15 | 136 | 38 | 43 | 2.3 | 3 |
| 99B-141-2 Field Duplicate | 362142.99 | 6084076.48 | 31 | 1500 | 297 | 170 | 1582 | 24 | 21 | 43 | 35 | 0.5 | 18 | 143 | 12 | 120 | 31 | 42 | 1.3 | 2 |
| 99B-142 | 361255.11 | 6081288.51 | 5 | 4475 | 164 | 111 | 691 | 6 | 21 | 58 | 28 | 1.8 | 23 | 58 | 15 | 409 | 27 | 31 | 1.1 | 11 |
| 99B-143 | 362408.96 | 6082666.92 | 88 | 12129 | 1107 | 326 | 401 | 9 | 55 | 72 | 164 | 7.5 | 37 | 128 | 36 | 328 | 46 | 70 | 4.8 | 18 |
| 99B-144 | 365789.89 | 6083994.83 | 45 | 5078 | 167 | 192 | 927 | 6 | 28 | 41 | 173 | 0.5 | 25 | 45 | 13 | 421 | 8 | 13 | 1.3 | 18 |
| 99B-145 | 365012.13 | 6082425.90 | 5 | 4975 | 185 | 119 | 1023 | 2 | 9 | 92 | 50 | 1.3 | 19 | 15 | 7 | 263 | 5 | 8 | 1.0 | 15 |
| 99B-146 | 388300.25 | 6089844.48 | 67 | 1500 | 247 | 297 | 400 | 4 | 20 | 55 | 55 | 2.7 | 30 | 15 | 27 | 502 | 6 | 12 | 1.4 | 134 |

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-147 | 382347.59 | 6086399.71 | 18 | 1500 | 281 | 69 | 287 | 3 | 9 | 34 | 77 | 3.0 | 15 | 48 | 16 | 238 | 8 | 14 | 1.1 | 69 |
| 99B-148 | 373091.61 | 6084449.15 | 25 | 6360 | 151 | 118 | 296 | 3 | 11 | 36 | 235 | 2.0 | 20 | 134 | 14 | 269 | 7 | 11 | 0.5 | 12 |
| 99B-149 | 370525.75 | 6084197.53 | 19 | 3995 | 209 | 76 | 587 | 5 | 12 | 30 | 115 | 2.0 | 18 | 67 | 8 | 241 | 6 | 11 | 0.5 | 8 |
| 99B-150 | 378340.48 | 6088920.71 | 5 | 6359 | 331 | 72 | 312 | 6 | 12 | 29 | 158 | 2.7 | 13 | 45 | 10 | 153 | 23 | 32 | 1.3 | 6 |
| 99B-151-1 Field Duplicate | 379171.14 | 6087918.37 | 13 | 7163 | 153 | 162 | 1198 | 10 | 25 | 73 | 68 | 0.5 | 26 | 317 | 10 | 355 | 20 | 15 | 1.5 | 15 |
| 99B-151-2 Field Duplicate | 379171.14 | 6087918.37 | 22 | 1500 | 193 | 41 | 456 | 3 | 10 | 24 | 202 | 1.6 | 10 | 15 | 14 | 233 | 5 | 8 | 0.5 | 10 |
| 99B-152 | 375414.93 | 6088856.96 | 14 | 6606 | 446 | 123 | 287 | 3 | 22 | 37 | 93 | 3.1 | 22 | 48 | 21 | 255 | 37 | 46 | 2.0 | 6 |
| 99B-153 | 375984.68 | 6087777.88 | 79 | 12033 | 190 | 545 | 465 | 5 | 29 | 173 | 125 | 1.9 | 35 | 33 | 29 | 460 | 25 | 37 | 1.9 | 16 |
| 99B-154 | 376668.36 | 6087121.26 | 21 | 1500 | 329 | 68 | 252 | 3 | 9 | 34 | 52 | 2.1 | 18 | 30 | 21 | 293 | 6 | 14 | 1.1 | 5 |
| 99B-155 | 375877.60 | 6086516.58 | 5 | 3533 | 301 | 51 | 276 | 4 | 7 | 23 | 385 | 1.6 | 12 | 54 | 14 | 210 | 7 | 16 | 0.5 | 3 |
| 99B-156 | 373995.52 | 6086125.05 | 10 | 1500 | 202 | 38 | 412 | 3 | 10 | 34 | 171 | 1.0 | 17 | 54 | 13 | 207 | 5 | 21 | 0.5 | 3 |
| 99B-157 | 372027.71 | 6087027.04 | 5 | 4017 | 191 | 27 | 378 | 3 | 8 | 35 | 275 | 1.3 | 11 | 69 | 11 | 222 | 5 | 8 | 0.5 | 3 |
| 99B-201 | 371334.99 | 6079065.23 | 17 | 7734 | 729 | 129 | 1443 | 23 | 37 | 62 | 84 | 6.2 | 24 | 83 | 15 | 148 | 124 | 127 | 3.0 | 5 |
| 99B-202 | 370612.18 | 6078749.88 | 19 | 5935 | 387 | 119 | 1015 | 17 | 17 | 32 | 138 | 1.9 | 18 | 323 | 19 | 117 | 30 | 58 | 1.8 | 5 |
| 99B-203 | 369733.49 | 6079116.31 | 39 | 4276 | 145 | 194 | 661 | 7 | 33 | 63 | 147 | 0.5 | 31 | 93 | 12 | 374 | 11 | 15 | 0.5 | 7 |
| 99B-204 | 368745.75 | 6078704.52 | 25 | 5933 | 210 | 98 | 677 | 5 | 15 | 28 | 106 | 0.5 | 22 | 38 | 21 | 153 | 13 | 26 | 0.5 | 5 |
| 99B-205 | 367736.72 | 6078107.25 | 34 | 3539 | 137 | 272 | 262 | 2 | 16 | 64 | 116 | 0.5 | 37 | 93 | 14 | 335 | 14 | 20 | 0.5 | 7 |
| 99B-206 | 366185.42 | 6077629.58 | 29 | 8417 | 136 | 150 | 441 | 6 | 26 | 68 | 228 | 2.4 | 28 | 122 | 15 | 386 | 20 | 24 | 0.5 | 9 |
| 99B-207 | 370205.14 | 6080422.95 | 5 | 4000 | 322 | 58 | 624 | 9 | 19 | 30 | 112 | 1.9 | 14 | 59 | 9 | 132 | 31 | 38 | 1.3 | 6 |
| 99B-208 | 365599.84 | 6076900.47 | 34 | 9836 | 279 | 137 | 720 | 11 | 47 | 59 | 476 | 4.2 | 31 | 121 | 17 | 191 | 37 | 57 | 1.5 | 5 |
| 99B-209 | 367275.47 | 6079004.52 | 44 | 7993 | 232 | 206 | 1926 | 23 | 76 | 75 | 263 | 2.0 | 36 | 95 | 6 | 270 | 52 | 37 | 1.3 | 7 |
| 99B-210 | 367991.68 | 6079460.20 | 15 | 8701 | 259 | 152 | 1476 | 13 | 32 | 54 | 319 | 1.7 | 28 | 57 | 12 | 280 | 23 | 32 | 1.2 | 8 |
| 99B-211 | 368856.57 | 6080449.74 | 24 | 7586 | 292 | 164 | 831 | 11 | 31 | 59 | 180 | 1.8 | 26 | 94 | 16 | 290 | 36 | 43 | 1.2 | 10 |
| 99B-212 | 367569.80 | 6080402.33 | 45 | 4443 | 193 | 163 | 253 | 3 | 17 | 52 | 186 | 2.2 | 27 | 96 | 15 | 494 | 16 | 24 | 0.5 | 7 |
| 99B-213 | 365183.13 | 6079542.10 | 59 | 5780 | 475 | 133 | 1328 | 16 | 38 | 49 | 230 | 3.2 | 21 | 75 | 37 | 162 | 26 | 60 | 2.4 | 3 |
| 99B-214 | 360603.87 | 6076390.98 | 27 | 1500 | 134 | 144 | 574 | 5 | 15 | 39 | 132 | 1.9 | 24 | 57 | 12 | 321 | 10 | 14 | 0.5 | 12 |
| 99B-215 | 360976.40 | 6074963.41 | 12 | 1500 | 309 | 35 | 1128 | 7 | 18 | 71 | 161 | 2.8 | 31 | 15 | 22 | 230 | 6 | 23 | 0.5 | 2 |
| 99B-216 | 360316.32 | 6077803.64 | 34 | 4321 | 318 | 116 | 429 | 9 | 28 | 50 | 156 | 1.6 | 26 | 73 | 22 | 214 | 21 | 44 | 1.6 | 2 |
| 99B-217 | 359631.41 | 6079022.59 | 41 | 5866 | 930 | 221 | 939 | 18 | 38 | 57 | 197 | 6.0 | 26 | 188 | 40 | 160 | 27 | 62 | 4.3 | 5 |
| 99B-218 | 363444.79 | 6074383.10 | 12 | 1500 | 260 | 35 | 394 | 3 | 12 | 32 | 170 | 1.6 | 17 | 15 | 9 | 219 | 7 | 18 | 0.5 | 3 |
| 99B-219-1 Field Duplicate | 367825.77 | 6068425.98 | 16 | 1500 | 565 | 72 | 982 | 9 | 21 | 30 | 91 | 3.1 | 18 | 79 | 29 | 148 | 17 | 49 | 2.1 | 6 |
| 99B-219-2 Field Duplicate | 367825.77 | 6068425.98 | 15 | 5471 | 419 | 73 | 1088 | 10 | 22 | 27 | 74 | 1.7 | 17 | 110 | 25 | 177 | 22 | 49 | 1.9 | 5 |
| 99B-220 | 368431.98 | 6067452.60 | 50 | 14023 | 316 | 246 | 1671 | 25 | 62 | 84 | 261 | 2.3 | 40 | 122 | 19 | 245 | 88 | 88 | 2.0 | 5 |
| 99B-221 | 360246.41 | 6081552.52 | 25 | 5556 | 104 | 171 | 370 | 5 | 15 | 79 | 48 | 2.2 | 30 | 45 | 13 | 476 | 15 | 17 | 0.5 | 8 |
| 99B-222 | 356447.39 | 6083211.54 | 42 | 1500 | 132 | 197 | 400 | 4 | 15 | 39 | 62 | 1.1 | 21 | 76 | 18 | 339 | 6 | 11 | 0.5 | 9 |
| 99B-223 | 355505.67 | 6083205.01 | 31 | 1500 | 984 | 94 | 884 | 14 | 30 | 47 | 63 | 6.6 | 19 | 50 | 44 | 130 | 19 | 76 | 4.3 | 1 |
| 99B-224 | 350117.78 | 6081716.84 | 5 | 1500 | 213 | 121 | 1004 | 15 | 15 | 36 | 73 | 1.5 | 18 | 68 | 15 | 184 | 12 | 27 | 1.0 | 4 |
| 99B-225 | 350702.40 | 6083206.61 | 57 | 1500 | 204 | 183 | 1191 | 5 | 25 | 53 | 74 | 1.1 | 20 | 31 | 17 | 282 | 6 | 13 | 0.5 | 41 |
| 99B-226 | 354277.47 | 6083205.79 | 5 | 1500 | 153 | 90 | 866 | 7 | 22 | 48 | 451 | 1.2 | 16 | 130 | 5 | 277 | 20 | 21 | 0.5 | 5 |
| 99B-227 | 355381.59 | 6075600.60 | 5 | 1500 | 192 | 22 | 862 | 12 | 7 | 18 | 239 | 1.7 | 7 | 15 | 16 | 90 | 14 | 16 | 0.5 | 1 |
| 99B-228 | 353986.25 | 6074843.74 | 35 | 1500 | 233 | 80 | 238 | 5 | 22 | 36 | 42 | 0.5 | 17 | 186 | 16 | 145 | 35 | 76 | 1.3 | 2 |
| 99B-229 | 353511.14 | 6076295.59 | 47 | 4645 | 151 | 131 | 99 | 1 | 10 | 31 | 21 | 2.3 | 23 | 97 | 10 | 724 | 16 | 22 | 0.5 | 15 |
| 99B-230-1 Field Duplicate | 355405.44 | 6076684.24 | 35 | 4709 | 886 | 167 | 936 | 16 | 34 | 25 | 79 | 7.1 | 19 | 96 | 33 | 177 | 30 | 82 | 4.3 | 19 |
| 99B-230-2 Field Duplicate | 355405.44 | 6076684.24 | 45 | 5743 | 673 | 213 | 1681 | 22 | 50 | 43 | 60 | 3.3 | 27 | 101 | 24 | 184 | 60 | 99 | 3.2 | 19 |
| 99B-231 | 352016.78 | 6076101.86 | 68 | 1500 | 1047 | 166 | 372 | 9 | 29 | 49 | 94 | 5.8 | 21 | 58 | 44 | 159 | 24 | 57 | 4.6 | 13 |
| 99B-232 | 353290.64 | 6078687.59 | 20 | 6865 | 201 | 192 | 1203 | 10 | 35 | 74 | 84 | 2.4 | 23 | 56 | 10 | 290 | 19 | 25 | 1.2 | 13 |
| 99B-233 | 353080.39 | 6072997.78 | 18 | 3332 | 741 | 107 | 1940 | 27 | 34 | 71 | 94 | 5.6 | 18 | 97 | 17 | 171 | 98 | 79 | 3.4 | 10 |
| 99B-234 | 352085.67 | 6071913.45 | 15 | 1500 | 305 | 43 | 1475 | 14 | 17 | 30 | 31 | 2.9 | 17 | 66 | 29 | 110 | 105 | 124 | 1.8 | 5 |
| 99B-235 | 352971.33 | 6071021.91 | 51 | 6497 | 559 | 214 | 1899 | 26 | 65 | 67 | 101 | 3.2 | 28 | 64 | 13 | 224 | 72 | 61 | 2.5 | 11 |
| 99B-236 | 375222.72 | 6068829.48 | 29 | 3210 | 1751 | 256 | 471 | 14 | 37 | 52 | 140 | 10.8 | 23 | 78 | 42 | 229 | 32 | 85 | 7.4 | 7 |
| 99B-237 | 373322.15 | 6067669.32 | 19 | 4845 | 142 | 124 | 648 | 4 | 20 | 65 | 78 | 0.5 | 21 | 115 | 10 | 388 | 10 | 11 | 0.5 | 11 |

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-238 | 372452.18 | 6069244.38 | 37 | 5309 | 161 | 151 | 1011 | 8 | 49 | 94 | 123 | 0.5 | 23 | 765 | 10 | 384 | 14 | 13 | 0.5 | 9 |
| 99B-239 | 368922.50 | 6069508.74 | 20 | 8021 | 175 | 179 | 778 | 7 | 49 | 99 | 58 | 0.5 | 47 | 126 | 19 | 332 | 19 | 14 | 0.5 | 11 |
| 99B-240 | 370909.02 | 6070515.51 | 16 | 1500 | 212 | 109 | 519 | 4 | 17 | 44 | 44 | 0.5 | 22 | 48 | 16 | 252 | 11 | 17 | 0.5 | 8 |
| 99B-241 | 372758.61 | 6071129.61 | 23 | 3510 | 309 | 170 | 1406 | 14 | 31 | 50 | 53 | 1.9 | 16 | 68 | 11 | 157 | 27 | 33 | 1.2 | 7 |
| 99B-242 | 370633.94 | 6066046.81 | 38 | 1500 | 798 | 102 | 691 | 15 | 34 | 56 | 162 | 4.4 | 21 | 51 | 37 | 125 | 34 | 143 | 3.8 | 3 |
| 99B-243 | 373883.08 | 6066058.33 | 51 | 8258 | 574 | 247 | 856 | 15 | 44 | 72 | 206 | 3.7 | 33 | 102 | 22 | 197 | 59 | 68 | 2.5 | 7 |
| 99B-244 | 374717.33 | 6075559.23 | 23 | 3340 | 116 | 171 | 1097 | 10 | 34 | 78 | 48 | 2.5 | 21 | 356 | 12 | 329 | 20 | 21 | 0.5 | 15 |
| 99B-245 | 373013.86 | 6074903.92 | 25 | 5191 | 280 | 199 | 548 | 9 | 26 | 58 | 54 | 1.8 | 26 | 327 | 17 | 341 | 20 | 29 | 1.0 | 8 |
| 99B-246 | 375209.93 | 6072610.07 | 24 | 6029 | 282 | 212 | 267 | 7 | 36 | 60 | 287 | 1.7 | 24 | 142 | 16 | 208 | 54 | 45 | 1.3 | 5 |
| 99B-247 | 367223.27 | 6077159.70 | 67 | 5020 | 467 | 204 | 510 | 11 | 46 | 102 | 62 | 4.2 | 34 | 145 | 23 | 163 | 105 | 157 | 2.8 | 3 |
| 99B-248-1 Field Duplicate | 363998.87 | 6080166.06 | 34 | 4856 | 146 | 175 | 750 | 9 | 19 | 81 | 223 | 0.5 | 26 | 150 | 17 | 403 | 17 | 20 | 0.5 | 7 |
| 99B-248-2 Field Duplicate | 363998.87 | 6080166.06 | 30 | 1500 | 146 | 82 | 666 | 6 | 11 | 69 | 204 | 1.7 | 16 | 85 | 13 | 329 | 9 | 12 | 0.5 | 5 |
| 99B-249 | 366434.90 | 6080165.02 | 15 | 8059 | 122 | 170 | 735 | 8 | 37 | 89 | 102 | 1.3 | 36 | 131 | 11 | 451 | 42 | 40 | 0.5 | 9 |
| 99B-250 | 365625.09 | 6080983.27 | 61 | 1500 | 251 | 217 | 941 | 17 | 74 | 120 | 101 | 2.8 | 34 | 163 | 17 | 167 | 107 | 170 | 1.8 | 3 |
| 99B-251 | 369454.61 | 6077674.80 | 33 | 1500 | 233 | 246 | 1095 | 17 | 64 | 89 | 71 | 2.0 | 53 | 177 | 8 | 245 | 93 | 103 | 1.5 | 4 |
| 99B-252 | 370212.70 | 6077226.07 | 44 | 1500 | 188 | 256 | 327 | 6 | 30 | 93 | 149 | 1.9 | 34 | 184 | 15 | 347 | 24 | 30 | 1.2 | 9 |
| 99B-253 | 369727.62 | 6076391.19 | 18 | 1500 | 132 | 57 | 777 | 8 | 15 | 28 | 51 | 0.5 | 17 | 49 | 14 | 144 | 15 | 22 | 0.5 | 3 |
| 99B-254 | 369294.01 | 6075027.52 | 43 | 9188 | 160 | 172 | 605 | 6 | 47 | 73 | 197 | 1.9 | 35 | 102 | 15 | 390 | 46 | 54 | 1.1 | 6 |
| 99B-255 | 369082.74 | 6074188.19 | 72 | 1500 | 1245 | 154 | 327 | 8 | 44 | 93 | 75 | 5.3 | 28 | 118 | 51 | 167 | 39 | 256 | 6.4 | 2 |
| 99B-256 | 372073.59 | 6075860.94 | 33 | 7596 | 178 | 237 | 1565 | 10 | 56 | 131 | 67 | 1.7 | 29 | 244 | 13 | 445 | 23 | 39 | 0.5 | 8 |
| 99B-257 | 370578.92 | 6075052.05 | 60 | 4898 | 820 | 269 | 1883 | 25 | 46 | 80 | 58 | 4.8 | 27 | 121 | 25 | 171 | 47 | 64 | 3.0 | 3 |
| 99B-258 | 368572.08 | 6072950.08 | 28 | 7911 | 171 | 187 | 1086 | 10 | 53 | 111 | 49 | 0.5 | 36 | 111 | 9 | 418 | 37 | 34 | 0.5 | 8 |
| 99B-259 | 367901.42 | 6074827.37 | 59 | 5231 | 244 | 283 | 2864 | 38 | 91 | 113 | 127 | 3.2 | 39 | 178 | 14 | 267 | 64 | 62 | 1.5 | 5 |
| 99B-260 | 359223.52 | 6069883.78 | 39 | 4352 | 391 | 227 | 1738 | 19 | 59 | 72 | 189 | 3.7 | 30 | 112 | 11 | 202 | 49 | 54 | 1.8 | 3 |
| 99B-261 | 360063.93 | 6069315.74 | 20 | 7810 | 321 | 156 | 4688 | 53 | 33 | 52 | 82 | 3.4 | 56 | 133 | 62 | 211 | 31 | 110 | 2.2 | 8 |
| 99B-262 | 355969.59 | 6070935.17 | 38 | 3899 | 198 | 139 | 483 | 6 | 15 | 53 | 67 | 0.5 | 45 | 49 | 17 | 314 | 9 | 20 | 0.5 | 9 |
| 99B-263 | 357994.39 | 6070646.49 | 29 | 1500 | 272 | 159 | 1451 | 17 | 38 | 59 | 79 | 2.9 | 34 | 137 | 21 | 246 | 52 | 79 | 1.7 | 7 |
| 99B-264 | 360989.77 | 6069149.40 | 18 | 1500 | 239 | 50 | 631 | 11 | 18 | 55 | 45 | 0.5 | 10 | 53 | 8 | 94 | 31 | 58 | 1.0 | 3 |
| 99B-265 | 361329.67 | 6072980.83 | 12 | 1500 | 227 | 106 | 1656 | 16 | 27 | 53 | 36 | 0.5 | 21 | 279 | 12 | 194 | 34 | 27 | 0.5 | 5 |
| 99B-266 | 363559.03 | 6071022.97 | 5 | 1500 | 180 | 29 | 354 | 3 | 7 | 16 | 55 | 0.5 | 9 | 52 | 11 | 145 | 11 | 15 | 0.5 | 3 |
| 99B-267 | 377020.28 | 6069882.33 | 44 | 1500 | 1015 | 120 | 1129 | 17 | 34 | 41 | 111 | 5.1 | 19 | 51 | 52 | 188 | 23 | 145 | 4.8 | 6 |
| 99B-268 | 379044.14 | 6070599.95 | 5 | 4114 | 182 | 103 | 723 | 7 | 19 | 49 | 94 | 0.5 | 17 | 78 | 5 | 280 | 38 | 39 | 0.5 | 6 |
| 99B-269 | 376364.81 | 6071760.41 | 5 | 1500 | 201 | 89 | 1531 | 17 | 21 | 37 | 53 | 1.6 | 16 | 97 | 4 | 205 | 41 | 32 | 0.5 | 4 |
| 99B-270 | 377781.24 | 6066042.44 | 28 | 4603 | 124 | 307 | 284 | 4 | 16 | 45 | 38 | 0.5 | 37 | 85 | 13 | 446 | 18 | 24 | 0.5 | 7 |
| 99B-271 | 383858.83 | 6067703.50 | 5 | 1500 | 195 | 38 | 1244 | 8 | 13 | 20 | 41 | 2.7 | 13 | 77 | 12 | 252 | 13 | 16 | 0.5 | 7 |
| 99B-272 | 384102.61 | 6068885.27 | 5 | 3691 | 214 | 89 | 1702 | 13 | 21 | 29 | 32 | 2.3 | 18 | 110 | 10 | 243 | 37 | 35 | 0.5 | 4 |
| 99B-273 | 380547.15 | 6070612.20 | 5 | 5645 | 194 | 92 | 586 | 7 | 19 | 48 | 57 | 0.5 | 26 | 93 | 6 | 344 | 33 | 30 | 0.5 | 6 |
| 99B-274 | 382955.22 | 6071800.72 | 13 | 5198 | 175 | 27 | 1302 | 6 | 14 | 12 | 39 | 2.0 | 7 | 51 | 7 | 212 | 6 | 9 | 1.4 | 21 |
| 99B-275 | 381967.41 | 6070087.68 | 11 | 4779 | 524 | 74 | 1150 | 14 | 23 | 23 | 50 | 4.6 | 16 | 108 | 18 | 164 | 25 | 35 | 2.5 | 21 |
| 99B-276-1 Field Duplicate | 385148.66 | 6077248.38 | 5 | 3752 | 251 | 36 | 1174 | 8 | 11 | 13 | 83 | 2.1 | 10 | 45 | 31 | 182 | 70 | 46 | 1.5 | 10 |
| 99B-276-2 Field Duplicate | 385148.66 | 6077248.38 | 11 | 1500 | 589 | 37 | 1145 | 17 | 10 | 14 | 36 | 2.7 | 11 | 48 | 23 | 129 | 25 | 48 | 2.4 | 8 |
| 99B-277 | 386690.16 | 6081682.14 | 50 | 8500 | 701 | 209 | 1313 | 16 | 65 | 90 | 65 | 4.1 | 34 | 146 | 31 | 259 | 40 | 55 | 3.5 | 18 |
| 99B-278 | 388023.91 | 6080577.61 | 20 | 4654 | 185 | 163 | 411 | 5 | 15 | 48 | 48 | 1.1 | 40 | 133 | 9 | 318 | 13 | 22 | 1.1 | 9 |
| 99B-279 | 376310.70 | 6077007.87 | 19 | 4689 | 532 | 127 | 2208 | 18 | 49 | 58 | 34 | 4.2 | 18 | 194 | 14 | 173 | 26 | 30 | 2.1 | 8 |
| 99B-280 | 384159.38 | 6073682.24 | 37 | 1500 | 184 | 153 | 429 | 10 | 51 | 92 | 40 | 2.5 | 48 | 97 | 18 | 149 | 94 | 133 | 1.2 | 7 |
| 99B-281 | 379124.40 | 6067728.11 | 21 | 1500 | 820 | 67 | 724 | 13 | 25 | 48 | 39 | 8.0 | 20 | 63 | 46 | 101 | 78 | 236 | 4.3 | 4 |
| 99B-282 | 382727.20 | 6079909.30 | 17 | 8227 | 547 | 98 | 2042 | 30 | 36 | 49 | 28 | 5.9 | 25 | 122 | 24 | 148 | 70 | 130 | 2.7 | 10 |
| 99B-283 | 382282.71 | 6077714.41 | 12 | 1500 | 266 | 48 | 342 | 7 | 10 | 14 | 144 | 1.3 | 10 | 33 | 22 | 105 | 9 | 20 | 1.3 | 5 |
| 99B-285 | 382958.94 | 6074543.38 | 116 | 3325 | 257 | 199 | 233 | 5 | 15 | 37 | 23 | 2.1 | 26 | 177 | 22 | 831 | 8 | 21 | 1.2 | 48 |
| 99B-286 | 385475.05 | 6074190.49 | 14 | 4190 | 459 | 55 | 1087 | 18 | 14 | 41 | 30 | 3.8 | 13 | 85 | 20 | 117 | 72 | 146 | 1.9 | 4 |
| 99B-287 | 385938.09 | 6072538.35 | 14 | 1500 | 206 | 71 | 368 | 4 | 8 | 25 | 31 | 0.5 | 13 | 141 | 9 | 251 | 18 | 19 | 0.5 | 5 |

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-288 | 384706.93 | 6071638.97 | 12 | 1500 | 217 | 37 | 596 | 4 | 15 | 21 | 51 | 1.3 | 13 | 15 | 25 | 191 | 4 | 14 | 0.5 | 12 |
| 99B-289 | 384447.42 | 6070035.32 | 5 | 5979 | 337 | 81 | 814 | 11 | 19 | 46 | 68 | 2.1 | 19 | 73 | 13 | 144 | 36 | 39 | 1.6 | 4 |
| 99B-290 | 385875.21 | 6070091.77 | 14 | 8513 | 236 | 157 | 578 | 8 | 33 | 73 | 40 | 4.0 | 28 | 103 | 7 | 354 | 44 | 38 | 1.3 | 8 |
| 99B-291 | 386749.94 | 6071142.51 | 34 | 1500 | 1477 | 133 | 341 | 10 | 34 | 78 | 63 | 5.6 | 20 | 83 | 43 | 121 | 73 | 185 | 6.2 | 2 |
| 99B-292-1 Field Duplicate | 372658.22 | 6079359.51 | | 11519 | 247 | 187 | 691 | 9 | 44 | 87 | 27 | 1.9 | 48 | 111 | 14 | 452 | 56 | 38 | 1.0 | 9 |
| 99B-292-2 Field Duplicate | 372658.22 | 6079359.51 | | 8519 | 142 | 180 | 502 | 8 | 38 | 109 | 35 | 0.5 | 40 | 96 | 14 | 424 | 33 | 31 | 0.5 | 10 |
| 99B-293 | 373332.21 | 6078856.12 | 61 | 10945 | 1735 | 239 | 2727 | 27 | 80 | 85 | 64 | 10.0 | 50 | 183 | 62 | 962 | 47 | 136 | 7.2 | 16 |
| 99B-294 | 374312.89 | 6078921.40 | 78 | 7232 | 205 | 255 | 1245 | 22 | 89 | 149 | 42 | 6.2 | 50 | 164 | 19 | 224 | 153 | 211 | 1.7 | 4 |
| 99B-295 | 375182.62 | 6078624.03 | 29 | 6113 | 172 | 134 | 288 | 4 | 34 | 93 | 46 | 3.1 | 33 | 126 | 9 | 491 | 31 | 43 | 0.5 | 11 |
| 99B-296 | 376386.81 | 6078570.83 | 44 | 1500 | 1706 | 232 | 1685 | 18 | 75 | 99 | 144 | 11.1 | 57 | 73 | 71 | 370 | 30 | 115 | 9.8 | 18 |
| 99B-297 | 377606.00 | 6078057.09 | 14 | 1500 | 269 | 37 | 367 | 4 | 13 | 25 | 34 | 0.5 | 13 | 47 | 6 | 319 | 10 | 14 | 0.5 | 6 |
| 99B-298 | 377794.68 | 6079094.31 | 35 | 1500 | 157 | 125 | 170 | 3 | 14 | 53 | 21 | 1.4 | 26 | 69 | 13 | 350 | 12 | 16 | 0.5 | 8 |
| 99B-299 | 377733.77 | 6080049.38 | 37 | 10415 | 302 | 246 | 2074 | 29 | 60 | 82 | 42 | 4.2 | 35 | 158 | 16 | 217 | 78 | 137 | 1.5 | 5 |
| 99B-300 | 383601.49 | 6081754.27 | 35 | 7528 | 196 | 196 | 776 | 10 | 54 | 100 | 49 | 2.6 | 41 | 127 | 9 | 254 | 67 | 52 | 1.1 | 4 |
| 99B-301 | 382264.75 | 6081807.41 | 26 | 5579 | 165 | 139 | 977 | 7 | 48 | 107 | 42 | 1.3 | 29 | 80 | 6 | 390 | 27 | 24 | 0.5 | 7 |
| 99B-302 | 381825.16 | 6080640.92 | 5 | 1500 | 313 | 47 | 275 | 5 | 14 | 30 | 47 | 2.5 | 14 | 61 | 14 | 244 | 15 | 26 | 0.5 | 3 |
| 99B-303 | 381419.93 | 6079292.48 | 20 | 5989 | 172 | 93 | 248 | 3 | 16 | 34 | 48 | 0.5 | 24 | 77 | 18 | 349 | 20 | 22 | 0.5 | 5 |
| 99B-304 | 379828.87 | 6079816.74 | 13 | 1500 | 247 | 48 | 330 | 4 | 20 | 46 | 18 | 0.5 | 35 | 48 | 9 | 306 | 7 | 13 | 0.5 | 2 |
| 99B-305 | 373257.01 | 6080611.99 | 22 | 1500 | 236 | 210 | 743 | 14 | 57 | 73 | 45 | 0.5 | 35 | 126 | 7 | 245 | 46 | 84 | 1.8 | 8 |
| 99B-306 | 374075.08 | 6080290.59 | 54 | 1500 | 304 | 156 | 206 | 10 | 25 | 92 | 39 | 2.1 | 25 | 138 | 11 | 154 | 38 | 187 | 1.9 | 3 |
| 99B-307 | 376118.15 | 6080021.19 | 37 | 3985 | 363 | 153 | 524 | 17 | 79 | 56 | 46 | 4.5 | 29 | 180 | 15 | 203 | 52 | 195 | 3.8 | 14 |
| 99B-308 | 378593.33 | 6079122.68 | 5 | 1500 | 268 | 33 | 185 | 12 | 10 | 49 | 49 | 4.4 | 11 | 39 | 48 | 132 | 15 | 44 | 0.5 | 2 |
| 99B-309 | 379412.18 | 6081620.51 | 5 | 1500 | 168 | 41 | 100 | 2 | 10 | 22 | 81 | 0.5 | 14 | 38 | 3 | 226 | 12 | 21 | 0.5 | 4 |
| 99B-310 | 378075.60 | 6081454.42 | 30 | 9380 | 211 | 154 | 677 | 9 | 72 | 127 | 24 | 3.0 | 46 | 128 | 9 | 507 | 46 | 51 | 1.2 | 11 |
| 99B-311 | 375825.45 | 6081477.33 | 5 | 1500 | 185 | 24 | 247 | 4 | 9 | 20 | 51 | 2.3 | 8 | 15 | 2 | 225 | 8 | 12 | 0.5 | 2 |
| 99B-312 | 374729.14 | 6081514.74 | 26 | 1500 | 124 | 84 | 556 | 9 | 32 | 47 | 13 | 0.5 | 15 | 38 | 8 | 108 | 31 | 48 | 0.5 | 1 |
| 99B-313 | 373003.62 | 6081431.03 | 59 | 1500 | 519 | 145 | 320 | 8 | 38 | 94 | 44 | 3.9 | 29 | 138 | 27 | 142 | 36 | 264 | 3.4 | 2 |
| 99B-314-1 Field Duplicate | 380441.27 | 6077362.52 | 20 | 1500 | 207 | 178 | 639 | 7 | 22 | 73 | 24 | 0.5 | 27 | 245 | 6 | 324 | 23 | 40 | 0.5 | 4 |
| 99B-314-2 Field Duplicate | 380441.27 | 6077362.52 | 14 | 3540 | 297 | 148 | 1246 | 18 | 33 | 60 | 38 | 1.0 | 19 | 157 | 7 | 160 | 41 | 50 | 1.2 | 3 |
| 99B-315 | 379424.91 | 6076667.36 | 19 | 5856 | 148 | 158 | 491 | 6 | 23 | 61 | 29 | 2.8 | 30 | 148 | 9 | 308 | 21 | 18 | 0.5 | 6 |
| 99B-316 | 378083.67 | 6075976.30 | 14 | 6585 | 181 | 167 | 521 | 8 | 22 | 56 | 42 | 1.5 | 26 | 112 | 9 | 453 | 27 | 34 | 0.5 | 14 |
| 99B-318 | 374081.75 | 6076384.00 | 41 | 1500 | 596 | 159 | 607 | 15 | 30 | 62 | 69 | 3.5 | 23 | 129 | 28 | 121 | 25 | 63 | 3.0 | 4 |
| 99B-319 | 377992.28 | 6071532.08 | 26 | 8445 | 575 | 158 | 1821 | 27 | 39 | 36 | 27 | 8.5 | 22 | 78 | 19 | 138 | 61 | 99 | 4.6 | 44 |
| 99B-320 | 378032.77 | 6073502.62 | 27 | 4032 | 444 | 162 | 221 | 4 | 19 | 55 | 19 | 4.0 | 28 | 58 | 24 | 261 | 24 | 39 | 3.2 | 20 |
| 99B-322 | 376788.52 | 6076148.06 | 34 | 5630 | 152 | 189 | 672 | 9 | 21 | 56 | 103 | 1.8 | 29 | 414 | 12 | 346 | 18 | 14 | 1.5 | 20 |
| 99B-323 | 374135.50 | 6077562.68 | 52 | 3745 | 1105 | 165 | 1170 | 23 | 50 | 65 | 44 | 6.8 | 20 | 108 | 43 | 148 | 58 | 141 | 5.3 | 9 |
| 99B-324 | 371909.21 | 6077077.66 | 15 | 6005 | 309 | 199 | 1087 | 18 | 33 | 59 | 22 | 4.2 | 25 | 193 | 7 | 155 | 33 | 27 | 1.7 | 10 |
| 99B-325 | 371394.88 | 6077468.54 | 29 | 5198 | 206 | 140 | 530 | 10 | 38 | 59 | 25 | 3.2 | 25 | 94 | 14 | 205 | 50 | 34 | 1.3 | 9 |
| 99B-326 | 367010.80 | 6076322.95 | 52 | 3586 | 201 | 120 | 248 | 7 | 44 | 60 | 17 | 2.8 | 26 | 150 | 16 | 188 | 75 | 156 | 1.4 | 5 |
| 99B-327 | 365544.89 | 6075097.76 | 21 | 6553 | 301 | 181 | 1967 | 30 | 55 | 54 | 31 | 4.6 | 29 | 97 | 13 | 160 | 65 | 80 | 1.3 | 10 |
| 99B-328 | 366630.37 | 6073449.41 | 38 | 1500 | 164 | 135 | 344 | 6 | 30 | 56 | 29 | 0.5 | 30 | 132 | 8 | 182 | 41 | 36 | 1.1 | 8 |
| 99B-329-1 Field Duplicate | 373524.62 | 6072776.30 | 21 | 4125 | 161 | 136 | 1157 | 8 | 48 | 74 | 57 | 1.2 | 20 | 101 | 8 | 313 | 20 | 21 | 0.5 | 11 |
| 99B-329-2 Field Duplicate | 373524.62 | 6072776.30 | 25 | 3653 | 151 | 133 | 1124 | 8 | 38 | 74 | 55 | 1.8 | 21 | 80 | 8 | 317 | 16 | 12 | 0.5 | 12 |
| 99B-330 | 373090.65 | 6073609.38 | 47 | 5519 | 426 | 182 | 939 | 19 | 38 | 67 | 35 | 1.9 | 33 | 477 | 16 | 430 | 44 | 63 | 2.1 | 7 |
| 99B-331 | 372325.83 | 6073335.34 | 50 | 6527 | 222 | 263 | 823 | 14 | 69 | 104 | 35 | 5.0 | 45 | 165 | 9 | 251 | 66 | 43 | 1.3 | 8 |
| 99B-332 | 371343.79 | 6071847.26 | 35 | 6440 | 305 | 194 | 1216 | 18 | 36 | 71 | 22 | 4.6 | 25 | 123 | 14 | 204 | 52 | 57 | 1.5 | 8 |
| 99B-333 | 356400.44 | 6074585.89 | 42 | 4556 | 846 | 182 | 1137 | 20 | 51 | 82 | 52 | 6.0 | 30 | 167 | 31 | 145 | 55 | 97 | 3.5 | 4 |
| 99B-334 | 353630.41 | 6074080.73 | 5 | 1500 | 205 | 28 | 947 | 8 | 7 | 12 | 28 | 1.4 | 12 | 15 | 32 | 92 | 26 | 26 | 0.5 | 5 |
| 99B-335 | 354026.13 | 6072263.97 | 51 | 1500 | 1691 | 297 | 316 | 9 | 49 | 78 | 45 | 9.1 | 37 | 107 | 50 | 225 | 46 | 88 | 7.5 | 5 |
| 99B-337 | 358516.43 | 6071531.39 | 24 | 3718 | 250 | 193 | 579 | 12 | 34 | 84 | 57 | 2.2 | 29 | 106 | 11 | 151 | 79 | 68 | 1.2 | 3 |
| 99B-338 | 358097.38 | 6073183.12 | 14 | 3796 | 109 | 142 | 596 | 6 | 20 | 47 | 51 | 0.5 | 24 | 303 | 9 | 268 | 17 | 16 | 0.5 | 6 |

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-339 | 358101.16 | 6077722.60 | 21 | 1500 | 153 | 164 | 1434 | 12 | 43 | 74 | 45 | 1.7 | 14 | 270 | 5 | 225 | 24 | 14 | 0.5 | 4 |
| 99B-340 | 360792.23 | 6079576.49 | 47 | 1500 | 314 | 122 | 403 | 8 | 27 | 65 | 32 | 1.4 | 22 | 101 | 18 | 110 | 41 | 93 | 1.7 | 1 |
| 99B-341 | 363366.15 | 6079087.77 | 26 | 6718 | 284 | 240 | 1521 | 27 | 49 | 80 | 62 | 0.5 | 26 | 241 | 15 | 229 | 57 | 46 | 1.3 | 7 |
| 99B-342 | 361709.41 | 6079470.25 | 60 | 6427 | 2120 | 267 | 1577 | 15 | 66 | 112 | 26 | 11.6 | 104 | 237 | 77 | 872 | 38 | 174 | 11.4 | 62 |
| 99B-343 | 365228.31 | 6078367.51 | 29 | 8388 | 279 | 138 | 1321 | 15 | 63 | 81 | 45 | 4.2 | 28 | 94 | 9 | 430 | 71 | 40 | 1.8 | 14 |
| 99B-344 | 364266.45 | 6076224.84 | 23 | 6865 | 158 | 149 | 391 | 5 | 35 | 91 | 35 | 0.5 | 38 | 117 | 5 | 326 | 46 | 40 | 0.5 | 9 |
| 99B-345 | 362453.17 | 6075416.23 | 48 | 1500 | 565 | 134 | 441 | 10 | 34 | 77 | 68 | 3.3 | 26 | 100 | 23 | 139 | 52 | 103 | 2.6 | 3 |
| 99B-346 | 363508.62 | 6077282.57 | 18 | 4648 | 169 | 105 | 737 | 10 | 32 | 68 | 5 | 1.6 | 20 | 127 | 12 | 301 | 32 | 26 | 0.5 | 6 |
| 99B-347 | 390123.06 | 6073013.81 | 12 | 1500 | 241 | 43 | 457 | 4 | 8 | 37 | 21 | 0.5 | 23 | 35 | 17 | 283 | 9 | 13 | 0.5 | 2 |
| 99B-348 | 386609.32 | 6076034.47 | 5 | 1500 | 311 | 56 | 1298 | 13 | 14 | 24 | 37 | 1.6 | 12 | 70 | 23 | 107 | 23 | 20 | 2.0 | 6 |
| 99B-349 | 394290.85 | 6073197.89 | 28 | 3211 | 158 | 119 | 663 | 7 | 18 | 40 | 39 | 4.3 | 26 | 79 | 11 | 330 | 15 | 16 | 0.5 | 5 |
| 99B-350 | 381237.22 | 6069551.39 | 5 | 7027 | 230 | 104 | 1175 | 22 | 20 | 47 | 29 | 2.1 | 27 | 253 | 8 | 183 | 35 | 38 | 1.2 | 6 |
| 99B-351 | 377332.39 | 6064774.37 | 15 | 7140 | 280 | 149 | 907 | 22 | 28 | 54 | 29 | 2.8 | 19 | 98 | 23 | 155 | 33 | 63 | 1.5 | 3 |

| Sample Site | Cd | In | Sb | I | Cs | Ba | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | TREE | Hf | W | Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-1 | 0.1 | 0.1 | 0.5 | 78 | 0.5 | 118 | 47 | 42 | 13 | 51 | 9 | 1.8 | 8 | 1.1 | 6.2 | 1.2 | 3.5 | 0.5 | 3.1 | 0.5 | 187.5 | 0.5 | 2 | 4 |
| 99B-2 | 0.2 | 0.1 | 1.1 | 111 | 0.5 | 137 | 15 | 17 | 4 | 16 | 3 | 0.5 | 2 | 0.5 | 1.9 | 0.5 | 1.1 | 0.5 | 1.0 | 0.5 | 63.8 | 0.5 | 3 | 1 |
| 99B-3 | 0.6 | 0.1 | 0.5 | 25 | 0.5 | 135 | 8 | 12 | 2 | 7 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 35.3 | 0.5 | 3 | 2 |
| 99B-4 | 0.1 | 0.1 | 0.5 | 121 | 0.5 | 151 | 52 | 66 | 15 | 58 | 10 | 2.0 | 9 | 1.3 | 6.9 | 1.3 | 4.1 | 0.5 | 3.5 | 0.5 | 230.3 | 0.5 | 2 | 2 |
| 99B-5 | 0.4 | 0.1 | 0.5 | 104 | 0.5 | 216 | 66 | 120 | 18 | 73 | 13 | 2.6 | 11 | 1.6 | 7.9 | 1.6 | 4.3 | 0.5 | 4.0 | 0.5 | 324.1 | 0.5 | 3 | 3 |
| 99B-6 | 0.3 | 0.4 | 1.4 | 156 | 0.5 | 288 | 139 | 66 | 42 | 159 | 28 | 6.5 | 23 | 4.4 | 15.9 | 4.0 | 9.8 | 1.4 | 9.4 | 2.3 | 510.9 | 2.1 | 3 | 5 |
| 99B-7 | 0.6 | 0.5 | 1.1 | 135 | 0.5 | 190 | 61 | 82 | 18 | 64 | 13 | 3.0 | 10 | 2.0 | 7.2 | 1.8 | 4.5 | 0.5 | 3.8 | 1.1 | 271.0 | 1.1 | 3 | 4 |
| 99B-8 | 0.4 | 0.2 | 0.5 | 81 | 0.5 | 136 | 28 | 33 | 8 | 28 | 5 | 1.5 | 4 | 0.5 | 3.4 | 0.5 | 2.0 | 0.5 | 1.8 | 0.5 | 116.4 | 0.5 | 3 | 2 |
| 99B-9 | 0.1 | 0.3 | 0.5 | 131 | 0.5 | 165 | 56 | 192 | 16 | 61 | 11 | 2.2 | 10 | 1.6 | 7.2 | 1.5 | 4.2 | 0.5 | 4.0 | 0.5 | 366.0 | 2.2 | 2 | 3 |
| 99B-10 | 0.6 | 0.1 | 0.5 | 85 | 0.5 | 144 | 20 | 44 | 5 | 19 | 4 | 0.5 | 3 | 0.5 | 2.3 | 0.5 | 1.4 | 0.5 | 1.4 | 0.5 | 102.4 | 0.5 | 3 | 2 |
| 99B-11 | 0.3 | 0.1 | 0.5 | 131 | 0.5 | 166 | 54 | 40 | 14 | 58 | 10 | 2.2 | 9 | 1.4 | 6.5 | 1.4 | 3.8 | 0.5 | 3.7 | 0.5 | 205.5 | 0.5 | 3 | 2 |
| 99B-12 | 0.4 | 0.1 | 0.5 | 88 | 0.5 | 234 | 133 | 216 | 38 | 150 | 27 | 5.5 | 23 | 3.3 | 17.4 | 3.5 | 10.3 | 1.4 | 8.9 | 1.4 | 637.8 | 1.8 | 1 | 4 |
| 99B-13 | 0.1 | 0.1 | 0.5 | 86 | 0.5 | 152 | 41 | 51 | 11 | 44 | 8 | 1.6 | 7 | 0.5 | 4.9 | 1.0 | 2.9 | 0.5 | 2.3 | 0.5 | 175.4 | 0.5 | 3 | 2 |
| 99B-14 | 0.3 | 0.1 | 0.5 | 127 | 0.5 | 179 | 40 | 44 | 11 | 43 | 8 | 1.6 | 6 | 0.5 | 4.6 | 0.5 | 2.7 | 0.5 | 2.3 | 0.5 | 166.4 | 0.5 | 3 | 2 |
| 99B-15 | 4.1 | 0.1 | 1.4 | 78 | 0.5 | 193 | 111 | 212 | 44 | 178 | 35 | 6.9 | 29 | 4.1 | 21.5 | 4.4 | 12.7 | 1.8 | 11.8 | 1.8 | 673.5 | 1.6 | 2 | 13 |
| 99B-16 | 0.5 | 0.1 | 2.7 | 64 | 0.5 | 264 | 31 | 50 | 10 | 41 | 9 | 1.8 | 7 | 1.2 | 6.2 | 1.3 | 3.7 | 0.5 | 3.0 | 0.5 | 166.1 | 0.5 | 3 | 12 |
| 99B-17 | 0.4 | 0.1 | 1.3 | 145 | 0.5 | 170 | 90 | 121 | 24 | 94 | 17 | 3.2 | 14 | 2.0 | 10.3 | 2.1 | 6.1 | 0.5 | 4.6 | 0.5 | 389.0 | 0.5 | 2 | 4 |
| 99B-18 | 0.6 | 0.1 | 0.5 | 111 | 0.5 | 243 | 60 | 115 | 18 | 68 | 12 | 2.3 | 11 | 1.6 | 8.0 | 1.6 | 4.6 | 0.5 | 4.2 | 0.5 | 306.5 | 2.1 | 2 | 6 |
| 99B-19 | 0.5 | 0.1 | 0.5 | 81 | 1.6 | 280 | 30 | 66 | 7 | 28 | 5 | 1.0 | 4 | 0.5 | 3.3 | 0.5 | 1.9 | 0.5 | 1.9 | 0.5 | 151.4 | 1.6 | 6 | 10 |
| 99B-20 | 0.3 | 0.1 | 3.5 | 193 | 0.5 | 227 | 54 | 42 | 15 | 58 | 10 | 1.9 | 8 | 1.1 | 5.5 | 1.1 | 3.1 | 0.5 | 2.7 | 0.5 | 202.6 | 0.5 | 2 | 6 |
| 99B-21-1 Field Duplicate | 0.1 | 0.1 | 1.0 | 92 | 0.5 | 156 | 127 | 194 | 40 | 159 | 29 | 5.6 | 23 | 3.3 | 16.7 | 3.6 | 10.0 | 1.3 | 8.6 | 1.4 | 623.0 | 1.8 | 2 | 4 |
| 99B-21-2 Field Duplicate | 0.5 | 0.1 | 0.5 | 94 | 0.5 | 174 | 99 | 146 | 31 | 129 | 24 | 4.5 | 20 | 2.8 | 13.9 | 2.9 | 8.5 | 1.1 | 7.4 | 1.0 | 491.2 | 1.4 | 4 | 4 |
| 99B-22 | 0.1 | 0.1 | 1.1 | 90 | 0.5 | 226 | 71 | 198 | 25 | 98 | 20 | 3.8 | 16 | 2.3 | 12.2 | 2.4 | 7.3 | 1.0 | 7.1 | 1.0 | 465.4 | 3.4 | 2 | 3 |
| 99B-23 | 0.3 | 0.1 | 1.5 | 187 | 0.5 | 221 | 44 | 65 | 12 | 47 | 8 | 1.7 | 7 | 1.1 | 5.8 | 1.1 | 3.4 | 0.5 | 3.0 | 0.5 | 201.2 | 0.5 | 4 | 3 |
| 99B-24 | 0.1 | 0.1 | 0.5 | 76 | 0.5 | 183 | 42 | 95 | 14 | 57 | 11 | 2.3 | 9 | 1.3 | 6.9 | 1.4 | 4.3 | 0.5 | 4.2 | 0.5 | 250.9 | 2.1 | 2 | 4 |
| 99B-25 | 0.5 | 0.1 | 0.5 | 66 | 0.5 | 203 | 27 | 67 | 9 | 36 | 7 | 1.4 | 6 | 0.5 | 4.3 | 0.5 | 2.5 | 0.5 | 2.4 | 0.5 | 165.4 | 1.6 | 1 | 5 |
| 99B-26 | 0.1 | 0.1 | 1.2 | 127 | 0.5 | 261 | 104 | 119 | 31 | 125 | 23 | 4.3 | 19 | 2.8 | 13.8 | 2.8 | 8.0 | 1.1 | 7.1 | 1.1 | 462.3 | 1.1 | 3 | 5 |
| 99B-27 | 0.1 | 0.1 | 0.5 | 38 | 0.5 | 118 | 16 | 25 | 4 | 16 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 1.1 | 0.5 | 1.0 | 0.5 | 74.2 | 0.5 | 2 | 2 |
| 99B-28 | 0.3 | 0.1 | 0.5 | 73 | 0.5 | 254 | 35 | 81 | 11 | 41 | 7 | 1.5 | 6 | 0.5 | 4.1 | 0.5 | 2.0 | 0.5 | 1.6 | 0.5 | 192.8 | 0.5 | 3 | 3 |
| 99B-29 | 0.3 | 0.1 | 0.5 | 110 | 0.5 | 111 | 30 | 62 | 8 | 29 | 5 | 1.0 | 5 | 0.5 | 3.3 | 0.5 | 1.9 | 0.5 | 1.6 | 0.5 | 148.4 | 0.5 | 2 | 1 |
| 99B-30 | 0.2 | 0.1 | 0.5 | 33 | 0.5 | 140 | 11 | 20 | 3 | 10 | 2 | 0.5 | 2 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 50.7 | 0.5 | 2 | 2 |
| 99B-31 | 0.8 | 0.1 | 1.2 | 139 | 0.5 | 181 | 59 | 53 | 15 | 62 | 11 | 2.1 | 9 | 1.3 | 6.5 | 1.4 | 4.0 | 0.5 | 3.5 | 0.5 | 229.6 | 0.5 | 3 | 2 |
| 99B-32 | 0.2 | 0.1 | 0.5 | 72 | 0.5 | 102 | 58 | 80 | 13 | 51 | 9 | 1.7 | 7 | 1.1 | 5.3 | 1.0 | 3.0 | 0.5 | 2.4 | 0.5 | 234.5 | 0.5 | 2 | 1 |
| 99B-33 | 0.9 | 0.1 | 0.5 | 94 | 0.5 | 199 | 57 | 53 | 15 | 61 | 11 | 2.1 | 9 | 1.3 | 6.8 | 1.4 | 4.1 | 0.5 | 3.8 | 0.5 | 227.0 | 0.5 | 2 | 1 |
| 99B-34 | 0.1 | 0.1 | 0.5 | 72 | 0.5 | 149 | 28 | 52 | 8 | 32 | 6 | 1.1 | 5 | 0.5 | 3.8 | 0.5 | 2.0 | 0.5 | 1.8 | 0.5 | 142.2 | 0.5 | 3 | 2 |
| 99B-35 | 0.3 | 0.1 | 1.1 | 131 | 0.5 | 296 | 129 | 165 | 40 | 162 | 29 | 5.4 | 23 | 3.5 | 16.8 | 3.5 | 10.3 | 1.5 | 9.6 | 1.5 | 600.9 | 1.9 | 2 | 3 |
| 99B-36 | 0.2 | 0.1 | 0.5 | 131 | 0.5 | 269 | 38 | 46 | 11 | 41 | 8 | 1.6 | 6 | 0.5 | 5.1 | 0.5 | 2.8 | 0.5 | 2.5 | 0.5 | 163.7 | 0.5 | 3 | 2 |
| 99B-38 | 0.3 | 0.1 | 0.5 | 67 | 0.5 | 261 | 46 | 109 | 15 | 61 | 12 | 2.5 | 10 | 1.5 | 8.3 | 1.6 | 4.9 | 0.5 | 4.4 | 0.5 | 277.3 | 2.9 | 2 | 5 |
| 99B-39 | 0.1 | 0.1 | 0.5 | 48 | 0.5 | 124 | 27 | 40 | 7 | 29 | 5 | 0.5 | 5 | 0.5 | 3.5 | 0.5 | 2.1 | 0.5 | 1.7 | 0.5 | 123.1 | 0.5 | 2 | 2 |
| 99B-40 | 0.1 | 0.1 | 0.5 | 28 | 0.5 | 153 | 11 | 19 | 3 | 11 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 51.8 | 0.5 | 2 | 2 |
| 99B-41-1 Field Duplicate | 0.3 | 0.1 | 0.5 | 100 | 0.5 | 145 | 65 | 73 | 17 | 70 | 12 | 2.3 | 10 | 1.5 | 7.7 | 1.5 | 4.5 | 0.5 | 4.1 | 0.5 | 269.6 | 1.7 | 2 | 2 |
| 99B-41-2 Field Duplicate | 0.1 | 0.1 | 0.5 | 113 | 0.5 | 147 | 62 | 85 | 17 | 70 | 13 | 2.6 | 11 | 1.6 | 8.3 | 1.7 | 5.1 | 0.5 | 4.3 | 0.5 | 282.8 | 2.2 | 3 | 2 |
| 99B-42 | 0.1 | 0.1 | 0.5 | 58 | 0.5 | 178 | 42 | 134 | 13 | 55 | 11 | 2.0 | 9 | 1.4 | 6.8 | 1.3 | 3.8 | 0.5 | 3.4 | 0.5 | 283.5 | 2.9 | 1 | 2 |
| 99B-43 | 0.4 | 0.1 | 0.5 | 64 | 0.5 | 178 | 64 | 110 | 17 | 67 | 12 | 2.3 | 10 | 1.3 | 6.5 | 1.3 | 3.6 | 0.5 | 3.1 | 0.5 | 297.9 | 1.9 | 2 | 3 |
| 99B-44 | 0.1 | 0.1 | 0.5 | 117 | 0.5 | 170 | 78 | 68 | 20 | 80 | 14 | 2.7 | 11 | 1.6 | 8.3 | 1.7 | 4.7 | 0.5 | 4.3 | 0.5 | 295.0 | 0.5 | 2 | 2 |

| Sample Site | Cd | In | Sb | I | Cs | Ba | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | TREE | Hf | W | Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-45 | 0.3 | 0.1 | 0.5 | 69 | 0.5 | 156 | 41 | 55 | 10 | 40 | 7 | 1.4 | 6 | 0.5 | 4.5 | 0.5 | 2.6 | 0.5 | 2.2 | 0.5 | 172.1 | 0.5 | 3 | 1 |
| 99B-46 | 0.1 | 0.1 | 0.5 | 35 | 0.5 | 170 | 21 | 32 | 5 | 19 | 3 | 0.5 | 3 | 0.5 | 2.0 | 0.5 | 1.2 | 0.5 | 0.5 | 0.5 | 89.5 | 0.5 | 2 | 2 |
| 99B-47 | 0.1 | 0.1 | 1.6 | 69 | 0.5 | 306 | 41 | 82 | 11 | 43 | 7 | 1.4 | 6 | 0.5 | 4.4 | 0.5 | 2.7 | 0.5 | 2.2 | 0.5 | 203.5 | 0.5 | 3 | 3 |
| 99B-48 | 0.1 | 0.1 | 1.0 | 131 | 1.1 | 210 | 69 | 103 | 21 | 82 | 15 | 2.9 | 13 | 1.8 | 9.5 | 1.9 | 5.8 | 0.5 | 5.5 | 0.5 | 331.4 | 2.4 | 2 | 5 |
| 99B-49 | 0.1 | 0.1 | 0.5 | 71 | 0.5 | 182 | 42 | 67 | 12 | 45 | 8 | 1.6 | 7 | 0.5 | 5.2 | 1.0 | 3.0 | 0.5 | 2.5 | 0.5 | 195.6 | 0.5 | 2 | 2 |
| 99B-50 | 0.3 | 0.1 | 0.5 | 65 | 0.5 | 143 | 67 | 75 | 18 | 69 | 12 | 2.2 | 10 | 1.3 | 7.0 | 1.2 | 3.7 | 0.5 | 3.3 | 0.5 | 269.4 | 0.5 | 2 | 1 |
| 99B-51 | 0.1 | 0.2 | 0.5 | 45 | 0.5 | 75 | 16 | 31 | 5 | 15 | 3 | 1.1 | 3 | 0.5 | 2.1 | 0.5 | 1.3 | 0.5 | 1.2 | 0.5 | 80.6 | 0.5 | 2 | 8 |
| 99B-52 | 0.1 | 0.4 | 0.5 | 79 | 0.5 | 147 | 24 | 40 | 7 | 26 | 5 | 1.6 | 4 | 1.2 | 3.1 | 0.5 | 1.9 | 0.5 | 1.8 | 0.5 | 117.1 | 0.5 | 3 | 8 |
| 99B-53 | 0.3 | 0.2 | 0.5 | 72 | 0.5 | 159 | 31 | 45 | 9 | 29 | 6 | 1.5 | 5 | 1.0 | 3.4 | 0.5 | 2.0 | 0.5 | 1.8 | 0.5 | 136.0 | 1.2 | 3 | 5 |
| 99B-54 | 0.6 | 0.2 | 1.3 | 106 | 3.0 | 262 | 86 | 155 | 28 | 107 | 21 | 4.4 | 19 | 2.9 | 14.5 | 2.9 | 8.6 | 1.3 | 8.6 | 1.4 | 459.7 | 3.1 | 2 | 15 |
| 99B-55 | 0.5 | 0.3 | 0.5 | 77 | 1.3 | 225 | 38 | 86 | 11 | 44 | 8 | 1.7 | 7 | 1.1 | 5.6 | 1.1 | 3.0 | 0.5 | 2.7 | 0.5 | 211.1 | 1.3 | 3 | 9 |
| 99B-56 | 0.6 | 0.2 | 1.8 | 98 | 4.7 | 468 | 68 | 117 | 16 | 64 | 10 | 2.1 | 9 | 1.3 | 6.4 | 1.2 | 3.8 | 0.5 | 3.5 | 0.5 | 303.5 | 2.7 | 5 | 18 |
| 99B-57 | 0.1 | 0.3 | 0.5 | 110 | 2.4 | 258 | 60 | 86 | 15 | 59 | 10 | 2.0 | 9 | 1.2 | 6.5 | 1.4 | 3.5 | 0.5 | 3.0 | 0.5 | 257.2 | 2.3 | 3 | 11 |
| 99B-58 | 0.3 | 0.1 | 0.5 | 67 | 2.8 | 262 | 58 | 116 | 17 | 62 | 12 | 2.1 | 10 | 1.3 | 7.1 | 1.4 | 4.2 | 0.5 | 3.8 | 0.5 | 294.7 | 2.8 | 2 | 14 |
| 99B-59 | 0.1 | 0.1 | 0.5 | 29 | 1.2 | 159 | 36 | 55 | 9 | 36 | 6 | 1.1 | 6 | 0.5 | 4.2 | 0.5 | 2.3 | 0.5 | 2.2 | 0.5 | 160.8 | 0.5 | 3 | 6 |
| 99B-62 | 0.1 | 0.1 | 0.5 | 55 | 3.7 | 308 | 73 | 111 | 16 | 61 | 10 | 1.9 | 9 | 1.2 | 6.7 | 1.2 | 3.9 | 0.5 | 3.2 | 0.5 | 300.0 | 2.0 | 4 | 13 |
| 99B-63 | 0.5 | 0.1 | 0.5 | 89 | 1.9 | 266 | 60 | 74 | 15 | 59 | 10 | 1.9 | 9 | 1.1 | 6.3 | 1.2 | 3.5 | 0.5 | 2.9 | 0.5 | 244.6 | 1.7 | 3 | 10 |
| 99B-64 | 0.6 | 0.1 | 1.2 | 159 | 3.0 | 311 | 64 | 70 | 16 | 60 | 10 | 1.8 | 9 | 1.2 | 6.8 | 1.2 | 3.7 | 0.5 | 3.5 | 0.5 | 248.7 | 2.1 | 4 | 14 |
| 99B-65 | 0.5 | 0.2 | 1.1 | 112 | 3.8 | 532 | 103 | 201 | 27 | 106 | 18 | 3.3 | 15 | 2.0 | 10.3 | 2.0 | 6.2 | 0.5 | 4.9 | 0.5 | 500.7 | 3.1 | 4 | 22 |
| 99B-66 | 0.1 | 0.1 | 0.5 | 91 | 5.7 | 424 | 108 | 215 | 26 | 98 | 17 | 3.2 | 15 | 2.1 | 11.4 | 2.1 | 6.7 | 1.0 | 5.6 | 0.5 | 510.4 | 5.0 | 5 | 17 |
| 99B-67 | 0.3 | 0.1 | 0.5 | 102 | 2.5 | 293 | 66 | 91 | 15 | 61 | 10 | 2.0 | 9 | 1.2 | 7.2 | 1.3 | 3.9 | 0.5 | 3.3 | 0.5 | 271.4 | 2.2 | 4 | 12 |
| 99B-68 | 0.7 | 0.1 | 0.5 | 113 | 2.0 | 281 | 45 | 61 | 11 | 43 | 8 | 1.4 | 6 | 0.5 | 5.2 | 0.5 | 2.7 | 0.5 | 2.3 | 0.5 | 187.7 | 1.4 | 3 | 11 |
| 99B-69 | 0.1 | 0.1 | 0.5 | 66 | 0.5 | 144 | 30 | 47 | 7 | 30 | 5 | 0.5 | 4 | 0.5 | 3.0 | 0.5 | 1.5 | 0.5 | 1.4 | 0.5 | 130.7 | 0.5 | 2 | 5 |
| 99B-70-1 Field Duplicate | 0.7 | 0.1 | 0.5 | 156 | 1.3 | 275 | 79 | 96 | 20 | 79 | 14 | 2.6 | 12 | 1.6 | 8.9 | 1.7 | 5.5 | 0.5 | 4.6 | 0.5 | 325.7 | 2.0 | 3 | 10 |
| 99B-70-2 Field Duplicate | 0.6 | 0.1 | 1.1 | 92 | 3.0 | 339 | 124 | 210 | 34 | 134 | 24 | 4.6 | 21 | 3.2 | 16.7 | 3.4 | 9.2 | 1.4 | 8.7 | 1.2 | 594.8 | 4.5 | 3 | 19 |
| 99B-71 | 0.5 | 0.1 | 0.5 | 144 | 2.8 | 309 | 95 | 137 | 25 | 100 | 18 | 3.4 | 15 | 2.2 | 12.3 | 2.2 | 6.3 | 0.5 | 5.6 | 0.5 | 423.8 | 3.0 | 3 | 12 |
| 99B-72 | 0.3 | 0.1 | 0.5 | 98 | 2.6 | 313 | 53 | 65 | 12 | 56 | 8 | 1.4 | 7 | 0.5 | 5.3 | 0.5 | 2.8 | 0.5 | 2.6 | 0.5 | 215.4 | 2.0 | 4 | 13 |
| 99B-73 | 0.3 | 0.1 | 0.5 | 66 | 1.4 | 182 | 36 | 43 | 10 | 35 | 6 | 1.0 | 5 | 0.5 | 4.2 | 0.5 | 2.4 | 0.5 | 1.8 | 0.5 | 146.0 | 0.5 | 3 | 7 |
| 99B-74 | 0.3 | 0.1 | 0.5 | 112 | 2.0 | 252 | 50 | 62 | 11 | 47 | 8 | 1.4 | 7 | 0.5 | 5.5 | 1.0 | 3.1 | 0.5 | 2.9 | 0.5 | 201.4 | 1.6 | 4 | 11 |
| 99B-75 | 0.2 | 0.1 | 1.1 | 111 | 1.8 | 257 | 35 | 51 | 8 | 36 | 6 | 1.1 | 4 | 0.5 | 3.3 | 0.5 | 1.6 | 0.5 | 1.5 | 0.5 | 150.1 | 1.4 | 3 | 8 |
| 99B-76 | 0.6 | 0.1 | 1.2 | 129 | 2.2 | 307 | 102 | 99 | 26 | 107 | 18 | 3.7 | 16 | 2.2 | 11.8 | 2.3 | 6.7 | 0.5 | 6.0 | 0.5 | 402.0 | 2.2 | 3 | 10 |
| 99B-77 | 0.4 | 0.1 | 0.5 | 128 | 2.2 | 275 | 82 | 73 | 19 | 81 | 12 | 2.4 | 10 | 1.4 | 7.7 | 1.4 | 4.3 | 0.5 | 3.6 | 0.5 | 299.7 | 1.6 | 3 | 12 |
| 99B-78 | 0.1 | 0.1 | 0.5 | 97 | 0.5 | 69 | 42 | 49 | 10 | 36 | 6 | 1.1 | 5 | 0.5 | 4.2 | 0.5 | 2.0 | 0.5 | 1.8 | 0.5 | 159.8 | 0.5 | 2 | 2 |
| 99B-79 | 0.3 | 0.1 | 0.5 | 127 | 1.3 | 190 | 40 | 78 | 10 | 38 | 7 | 1.4 | 7 | 0.5 | 5.0 | 0.5 | 2.7 | 0.5 | 2.2 | 0.5 | 192.5 | 1.6 | 3 | 8 |
| 99B-80 | 0.2 | 0.1 | 0.5 | 112 | 4.3 | 394 | 71 | 131 | 15 | 55 | 9 | 1.7 | 8 | 1.0 | 6.3 | 1.1 | 3.4 | 0.5 | 3.2 | 0.5 | 307.2 | 4.1 | 4 | 17 |
| 99B-81 | 0.4 | 0.1 | 0.5 | 31 | 0.5 | 58 | 10 | 19 | 2 | 10 | 2 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 47.7 | 0.5 | 2 | 1 |
| 99B-82-1 Field Duplicate | 0.1 | 0.1 | 0.5 | 67 | 0.5 | 143 | 14 | 30 | 3 | 17 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 73.2 | 0.5 | 2 | 6 |
| 99B-82-2 Field Duplicate | 0.2 | 0.1 | 0.5 | 64 | 0.5 | 117 | 18 | 33 | 3 | 20 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 83.0 | 0.5 | 2 | 6 |
| 99B-83 | 0.3 | 0.1 | 0.5 | 39 | 0.5 | 126 | 26 | 51 | 6 | 23 | 4 | 0.5 | 4 | 0.5 | 2.6 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 120.7 | 0.5 | 1 | 6 |
| 99B-84 | 0.1 | 0.1 | 0.5 | 38 | 1.0 | 150 | 19 | 28 | 3 | 12 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 1.1 | 0.5 | 71.6 | 0.5 | 2 | 6 |
| 99B-85 | 0.1 | 0.1 | 0.5 | 12 | 0.5 | 92 | 14 | 27 | 3 | 14 | 2 | 0.5 | 2 | 0.5 | 1.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 66.5 | 0.5 | 2 | 6 |
| 99B-86 | 0.1 | 0.1 | 1.5 | 89 | 1.2 | 180 | 39 | 48 | 10 | 39 | 7 | 1.4 | 6 | 0.5 | 4.1 | 0.5 | 2.5 | 0.5 | 2.1 | 0.5 | 160.8 | 1.1 | 2 | 6 |
| 99B-87 | 0.1 | 0.1 | 0.5 | 148 | 2.2 | 253 | 55 | 64 | 13 | 51 | 8 | 1.5 | 7 | 0.5 | 5.0 | 0.5 | 2.6 | 0.5 | 2.2 | 0.5 | 211.2 | 1.4 | 5 | 13 |
| 99B-88 | 0.2 | 0.1 | 0.5 | 78 | 2.6 | 223 | 90 | 90 | 22 | 86 | 14 | 2.6 | 12 | 1.6 | 8.5 | 1.6 | 4.5 | 0.5 | 4.2 | 0.5 | 337.9 | 2.0 | 6 | 13 |
| 99B-89 | 0.4 | 0.1 | 1.2 | 140 | 2.7 | 300 | 91 | 90 | 21 | 79 | 13 | 2.3 | 11 | 1.5 | 8.0 | 1.5 | 4.6 | 0.5 | 3.7 | 0.5 | 326.9 | 2.0 | 8 | 15 |
| 99B-90 | 0.1 | 0.1 | 0.5 | 75 | 0.5 | 49 | 20 | 20 | 4 | 16 | 3 | 0.5 | 2 | 0.5 | 1.9 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 70.6 | 0.5 | 5 | 2 |
| 99B-91 | 0.5 | 0.1 | 0.5 | 111 | 0.5 | 234 | 44 | 66 | 12 | 50 | 9 | 1.6 | 7 | 0.5 | 5.7 | 0.5 | 3.1 | 0.5 | 2.6 | 0.5 | 202.9 | 1.1 | 4 | 6 |
| 99B-93 | 0.3 | 0.1 | 0.5 | 102 | 3.6 | 440 | 96 | 114 | 25 | 93 | 16 | 3.0 | 14 | 1.8 | 9.7 | 1.8 | 5.3 | 0.5 | 4.6 | 0.5 | 384.9 | 2.9 | 3 | 17 |
| 99B-94 | 0.3 | 0.1 | 0.5 | 33 | 0.5 | 231 | 68 | 147 | 17 | 69 | 12 | 2.1 | 10 | 1.3 | 6.9 | 1.2 | 3.5 | 0.5 | 2.8 | 0.5 | 341.0 | 1.2 | 1 | 5 |
| 99B-95 | 0.4 | 0.1 | 0.5 | 114 | 2.0 | 294 | 71 | 132 | 18 | 67 | 11 | 2.0 | 10 | 1.2 | 7.0 | 1.2 | 3.6 | 0.5 | 2.8 | 0.5 | 327.6 | 1.3 | 5 | 10 |
| 99B-96 | 0.2 | 0.1 | 0.5 | 54 | 4.8 | 687 | 63 | 163 | 17 | 63 | 12 | 2.4 | 10 | 1.3 | 7.5 | 1.3 | 4.5 | 0.5 | 4.6 | 0.5 | 350.8 | 4.3 | 4 | 26 |

| Sample Site | Cd | In | Sb | I | Cs | Ba | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | TREE | Hf | W | Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-97 | 0.8 | 0.1 | 0.5 | 142 | 1.9 | 286 | 61 | 102 | 15 | 62 | 11 | 2.0 | 9 | 1.2 | 7.1 | 1.2 | 3.9 | 0.5 | 3.3 | 0.5 | 279.8 | 1.6 | 3 | 12 |
| 99B-98 | 0.5 | 1.0 | 0.5 | 87 | 0.5 | 157 | 25 | 30 | 10 | 27 | 7 | 3.0 | 5 | 2.4 | 4.0 | 1.9 | 2.9 | 0.5 | 3.0 | 2.0 | 122.8 | 0.5 | 4 | 4 |
| 99B-99 | 0.5 | 0.4 | 1.7 | 129 | 0.5 | 229 | 18 | 24 | 6 | 17 | 4 | 1.5 | 3 | 1.1 | 2.0 | 0.5 | 1.2 | 0.5 | 1.2 | 0.5 | 79.8 | 0.5 | 4 | 2 |
| 99B-100 | 0.8 | 0.3 | 0.5 | 15 | 0.5 | 360 | 12 | 21 | 3 | 8 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 49.9 | 0.5 | 1 | 14 |
| 99B-101-1 Field Duplicate | 0.2 | 0.4 | 0.5 | 57 | 0.5 | 177 | 28 | 62 | 9 | 34 | 7 | 1.6 | 5 | 0.5 | 3.7 | 0.5 | 2.1 | 0.5 | 2.0 | 0.5 | 157.3 | 0.5 | 3 | 9 |
| 99B-101-2 Field Duplicate | 0.3 | 0.3 | 0.5 | 63 | 0.5 | 202 | 38 | 48 | 10 | 41 | 7 | 1.5 | 6 | 0.5 | 4.0 | 0.5 | 2.1 | 0.5 | 1.8 | 0.5 | 162.1 | 0.5 | 2 | 4 |
| 99B-102 | 0.4 | 0.6 | 0.5 | 80 | 0.5 | 154 | 43 | 40 | 11 | 41 | 7 | 1.5 | 6 | 0.5 | 3.9 | 0.5 | 2.2 | 0.5 | 1.8 | 0.5 | 159.2 | 0.5 | 3 | 3 |
| 99B-103 | 0.5 | 0.5 | 1.0 | 95 | 0.5 | 187 | 69 | 131 | 21 | 87 | 15 | 2.8 | 12 | 1.8 | 9.0 | 1.7 | 5.5 | 0.5 | 5.2 | 0.5 | 363.8 | 1.8 | 3 | 4 |
| 99B-104 | 0.1 | 0.2 | 0.5 | 119 | 0.5 | 145 | 27 | 30 | 6 | 22 | 3 | 0.5 | 3 | 0.5 | 2.4 | 0.5 | 1.4 | 0.5 | 1.2 | 0.5 | 99.0 | 0.5 | 4 | 3 |
| 99B-105 | 0.3 | 0.1 | 1.4 | 174 | 0.5 | 182 | 15 | 20 | 3 | 13 | 2 | 0.5 | 2 | 0.5 | 1.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 59.8 | 0.5 | 5 | 2 |
| 99B-106 | 0.2 | 0.5 | 0.5 | 77 | 0.5 | 142 | 26 | 43 | 7 | 26 | 4 | 0.5 | 4 | 0.5 | 2.8 | 0.5 | 1.4 | 0.5 | 1.3 | 0.5 | 118.3 | 0.5 | 4 | 2 |
| 99B-107 | 0.1 | 0.1 | 0.5 | 54 | 0.5 | 160 | 12 | 18 | 3 | 12 | 2 | 0.5 | 2 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 52.9 | 0.5 | 3 | 1 |
| 99B-108 | 0.1 | 0.1 | 0.5 | 24 | 0.5 | 149 | 9 | 16 | 2 | 9 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 43.2 | 0.5 | 7 | 3 |
| 99B-109 | 0.5 | 0.3 | 0.5 | 86 | 0.5 | 150 | 25 | 29 | 6 | 26 | 4 | 0.5 | 4 | 0.5 | 2.5 | 0.5 | 1.3 | 0.5 | 1.2 | 0.5 | 101.5 | 0.5 | 3 | 3 |
| 99B-110 | 0.1 | 0.1 | 1.0 | 64 | 0.5 | 162 | 15 | 19 | 4 | 14 | 2 | 0.5 | 2 | 0.5 | 1.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 61.0 | 0.5 | 3 | 2 |
| 99B-111 | 0.1 | 0.1 | 0.5 | 25 | 0.5 | 105 | 10 | 16 | 2 | 10 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 44.9 | 0.5 | 6 | 3 |
| 99B-112 | 0.6 | 0.1 | 0.5 | 73 | 0.5 | 189 | 17 | 23 | 4 | 16 | 2 | 0.5 | 2 | 0.5 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 70.1 | 0.5 | 4 | 2 |
| 99B-113 | 0.5 | 0.3 | 0.5 | 51 | 0.5 | 127 | 25 | 27 | 6 | 27 | 4 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.4 | 0.5 | 1.3 | 0.5 | 100.8 | 0.5 | 7 | 2 |
| 99B-114 | 0.6 | 0.2 | 1.2 | 91 | 0.5 | 144 | 43 | 28 | 11 | 49 | 8 | 1.6 | 8 | 0.5 | 5.4 | 0.5 | 3.2 | 0.5 | 2.7 | 0.5 | 161.5 | 0.5 | 5 | 3 |
| 99B-115 | 0.3 | 0.1 | 0.5 | 39 | 0.5 | 131 | 15 | 15 | 3 | 14 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 56.9 | 0.5 | 5 | 3 |
| 99B-116 | 0.1 | 0.3 | 0.5 | 50 | 0.5 | 105 | 31 | 24 | 7 | 31 | 5 | 0.5 | 4 | 0.5 | 2.9 | 0.5 | 1.7 | 0.5 | 1.3 | 0.5 | 111.4 | 0.5 | 4 | 2 |
| 99B-117 | 0.3 | 0.1 | 0.5 | 73 | 0.5 | 186 | 41 | 39 | 10 | 40 | 6 | 1.1 | 6 | 0.5 | 3.7 | 0.5 | 2.1 | 0.5 | 1.7 | 0.5 | 151.9 | 0.5 | 4 | 2 |
| 99B-118 | 0.3 | 0.1 | 0.5 | 79 | 0.5 | 207 | 55 | 94 | 16 | 65 | 11 | 2.1 | 10 | 1.2 | 7.1 | 1.2 | 4.0 | 0.5 | 3.5 | 0.5 | 270.0 | 0.5 | 4 | 4 |
| 99B-119 | 0.2 | 0.1 | 0.5 | 34 | 1.2 | 238 | 26 | 47 | 7 | 31 | 5 | 0.5 | 4 | 0.5 | 3.3 | 0.5 | 1.8 | 0.5 | 1.8 | 0.5 | 129.7 | 0.5 | 3 | 6 |
| 99B-120 | 0.1 | 0.2 | 0.5 | 129 | 0.5 | 142 | 48 | 56 | 13 | 52 | 9 | 1.6 | 7 | 0.5 | 5.6 | 1.0 | 3.1 | 0.5 | 2.7 | 0.5 | 200.3 | 0.5 | 4 | 2 |
| 99B-121 | 0.5 | 0.1 | 1.0 | 124 | 0.5 | 144 | 71 | 70 | 18 | 79 | 13 | 2.6 | 12 | 1.5 | 8.6 | 1.7 | 5.1 | 0.5 | 4.5 | 0.5 | 287.5 | 0.5 | 3 | 5 |
| 99B-122 | 0.5 | 0.1 | 1.3 | 58 | 0.5 | 216 | 18 | 27 | 4 | 18 | 3 | 0.5 | 3 | 0.5 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 78.9 | 0.5 | 4 | 2 |
| 99B-123 | 0.4 | 0.1 | 1.1 | 119 | 0.5 | 180 | 30 | 26 | 7 | 29 | 5 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.5 | 0.5 | 1.3 | 0.5 | 109.4 | 0.5 | 5 | 2 |
| 99B-124-1 Field Duplicate | 0.5 | 0.1 | 0.5 | 66 | 0.5 | 224 | 22 | 28 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 87.3 | 0.5 | 5 | 2 |
| 99B-124-2 Field Duplicate | 0.3 | 0.1 | 0.5 | 65 | 0.5 | 161 | 21 | 24 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 2.1 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 82.1 | 0.5 | 4 | 2 |
| 99B-125 | 0.5 | 0.1 | 0.5 | 42 | 0.5 | 156 | 14 | 18 | 3 | 13 | 2 | 0.5 | 2 | 0.5 | 1.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 56.7 | 0.5 | 4 | 2 |
| 99B-126 | 0.3 | 0.1 | 0.5 | 79 | 0.5 | 173 | 17 | 22 | 4 | 18 | 3 | 0.5 | 3 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 72.0 | 0.5 | 4 | 2 |
| 99B-127 | 0.4 | 0.1 | 1.0 | 63 | 0.5 | 186 | 15 | 24 | 4 | 15 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 66.5 | 0.5 | 4 | 2 |
| 99B-129 | 0.8 | 0.1 | 0.5 | 99 | 0.5 | 159 | 26 | 31 | 7 | 28 | 5 | 0.5 | 4 | 0.5 | 3.1 | 0.5 | 1.9 | 0.5 | 1.4 | 0.5 | 109.2 | 0.5 | 5 | 2 |
| 99B-131 | 0.7 | 0.1 | 1.2 | 72 | 0.5 | 164 | 19 | 26 | 4 | 19 | 3 | 0.5 | 3 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 78.8 | 0.5 | 5 | 2 |
| 99B-132 | 0.4 | 0.1 | 1.3 | 66 | 0.5 | 166 | 15 | 28 | 4 | 15 | 3 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 71.6 | 0.5 | 4 | 2 |
| 99B-133 | 0.5 | 0.1 | 1.4 | 85 | 0.5 | 234 | 27 | 51 | 6 | 26 | 5 | 0.5 | 4 | 0.5 | 2.6 | 0.5 | 1.4 | 0.5 | 1.2 | 0.5 | 126.8 | 0.5 | 5 | 3 |
| 99B-134 | 0.4 | 0.1 | 0.5 | 152 | 0.5 | 154 | 28 | 29 | 7 | 30 | 5 | 0.5 | 4 | 0.5 | 2.9 | 0.5 | 1.5 | 0.5 | 1.5 | 0.5 | 110.3 | 0.5 | 4 | 3 |
| 99B-135 | 0.6 | 0.1 | 1.1 | 87 | 0.5 | 141 | 23 | 22 | 5 | 22 | 3 | 0.5 | 3 | 0.5 | 2.0 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 84.3 | 0.5 | 3 | 2 |
| 99B-136 | 0.4 | 0.1 | 0.5 | 84 | 0.5 | 119 | 19 | 17 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 2.3 | 0.5 | 1.3 | 0.5 | 1.1 | 0.5 | 75.4 | 0.5 | 4 | 1 |
| 99B-137 | 0.3 | 0.1 | 2.0 | 143 | 0.5 | 172 | 28 | 20 | 7 | 29 | 4 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.4 | 0.5 | 1.1 | 0.5 | 100.6 | 0.5 | 4 | 2 |
| 99B-138 | 0.1 | 0.1 | 1.4 | 69 | 0.5 | 194 | 18 | 27 | 4 | 18 | 3 | 0.5 | 3 | 0.5 | 1.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 77.8 | 0.5 | 4 | 2 |
| 99B-139 | 0.6 | 0.1 | 0.5 | 114 | 0.5 | 187 | 29 | 36 | 7 | 29 | 5 | 0.5 | 4 | 0.5 | 3.1 | 0.5 | 1.6 | 0.5 | 1.4 | 0.5 | 117.8 | 0.5 | 4 | 2 |
| 99B-140 | 0.6 | 0.1 | 0.5 | 57 | 0.5 | 139 | 18 | 20 | 4 | 18 | 3 | 0.5 | 3 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 70.8 | 0.5 | 4 | 2 |
| 99B-141-1 Field Duplicate | 0.4 | 0.1 | 1.2 | 90 | 0.5 | 169 | 48 | 58 | 16 | 67 | 11 | 2.1 | 10 | 1.2 | 6.8 | 1.2 | 3.8 | 0.5 | 3.4 | 0.5 | 230.6 | 0.5 | 2 | 8 |
| 99B-141-2 Field Duplicate | 0.1 | 0.1 | 1.1 | 86 | 0.5 | 156 | 36 | 61 | 14 | 58 | 11 | 2.1 | 9 | 1.1 | 6.5 | 1.1 | 3.7 | 0.5 | 3.5 | 0.5 | 207.6 | 0.5 | 2 | 5 |
| 99B-142 | 0.4 | 0.1 | 0.5 | 87 | 0.5 | 212 | 35 | 47 | 10 | 41 | 7 | 1.2 | 6 | 0.5 | 4.6 | 0.5 | 2.6 | 0.5 | 2.2 | 0.5 | 158.0 | 0.5 | 4 | 3 |
| 99B-143 | 0.4 | 0.5 | 2.1 | 164 | 0.5 | 256 | 79 | 69 | 24 | 85 | 16 | 4.5 | 12 | 3.2 | 8.6 | 2.5 | 5.3 | 0.5 | 5.2 | 2.0 | 317.3 | 0.5 | 3 | 8 |
| 99B-144 | 0.1 | 0.1 | 1.4 | 67 | 0.5 | 195 | 15 | 24 | 5 | 14 | 3 | 1.1 | 2 | 0.5 | 1.6 | 0.5 | 1.0 | 0.5 | 1.0 | 0.5 | 70.1 | 0.5 | 5 | 3 |
| 99B-145 | 0.4 | 0.1 | 0.5 | 19 | 0.5 | 167 | 10 | 17 | 3 | 9 | 2 | 0.5 | 2 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 46.8 | 0.5 | 2 | 3 |
| 99B-146 | 0.3 | 0.1 | 2.4 | 91 | 0.5 | 177 | 14 | 24 | 4 | 13 | 2 | 0.5 | 2 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 62.6 | 0.5 | 4 | 3 |

| Sample Site | Cd | In | Sb | I | Cs | Ba | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | TREE | Hf | W | Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-147 | 0.6 | 0.1 | 0.5 | 59 | 0.5 | 138 | 15 | 22 | 4 | 14 | 2 | 0.5 | 2 | 0.5 | 1.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 63.3 | 0.5 | 2 | 3 |
| 99B-148 | 0.3 | 0.3 | 0.5 | 63 | 0.5 | 122 | 13 | 16 | 3 | 13 | 2 | 0.5 | 2 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 52.6 | 0.5 | 2 | 2 |
| 99B-149 | 0.3 | 0.1 | 0.5 | 44 | 0.5 | 136 | 11 | 15 | 3 | 11 | 2 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 45.6 | 0.5 | 2 | 2 |
| 99B-150 | 0.1 | 0.3 | 0.5 | 48 | 0.5 | 124 | 41 | 42 | 11 | 44 | 7 | 1.4 | 6 | 0.5 | 4.1 | 0.5 | 2.3 | 0.5 | 1.8 | 0.5 | 162.4 | 0.5 | 1 | 3 |
| 99B-151-1 Field Duplicate | 0.6 | 0.3 | 1.0 | 76 | 0.5 | 169 | 29 | 26 | 7 | 28 | 5 | 0.5 | 4 | 0.5 | 3.0 | 0.5 | 1.7 | 0.5 | 1.5 | 0.5 | 106.9 | 0.5 | 3 | 2 |
| 99B-151-2 Field Duplicate | 0.6 | 0.1 | 0.5 | 17 | 0.5 | 155 | 10 | 12 | 2 | 8 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 37.4 | 0.5 | 2 | 2 |
| 99B-152 | 0.2 | 0.1 | 0.5 | 33 | 0.5 | 200 | 60 | 48 | 15 | 64 | 9 | 1.8 | 8 | 1.0 | 5.6 | 1.0 | 3.3 | 0.5 | 2.8 | 0.5 | 220.9 | 0.5 | 2 | 4 |
| 99B-153 | 0.6 | 0.2 | 2.0 | 36 | 0.5 | 296 | 39 | 54 | 10 | 38 | 6 | 1.2 | 5 | 0.5 | 3.9 | 0.5 | 2.2 | 0.5 | 2.0 | 0.5 | 163.1 | 0.5 | 2 | 4 |
| 99B-154 | 0.3 | 0.1 | 0.5 | 38 | 0.5 | 148 | 13 | 20 | 3 | 10 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 52.7 | 0.5 | 2 | 3 |
| 99B-155 | 0.5 | 0.1 | 0.5 | 39 | 0.5 | 128 | 13 | 19 | 3 | 12 | 2 | 0.5 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 55.9 | 0.5 | 2 | 3 |
| 99B-156 | 0.6 | 0.1 | 0.5 | 33 | 0.5 | 112 | 10 | 13 | 2 | 8 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 39.0 | 0.5 | 2 | 2 |
| 99B-157 | 0.5 | 0.1 | 0.5 | 27 | 0.5 | 117 | 9 | 14 | 2 | 7 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 38.2 | 0.5 | 2 | 2 |
| 99B-201 | 0.2 | 0.2 | 0.5 | 68 | 0.5 | 183 | 142 | 148 | 45 | 189 | 33 | 6.4 | 28 | 4.0 | 21.3 | 4.1 | 11.8 | 1.8 | 10.5 | 1.5 | 647.2 | 2.0 | 1 | 5 |
| 99B-202 | 0.4 | 0.2 | 1.2 | 67 | 0.5 | 140 | 42 | 77 | 12 | 50 | 9 | 1.7 | 8 | 0.5 | 5.9 | 0.5 | 3.1 | 0.5 | 2.8 | 0.5 | 213.2 | 1.0 | 1 | 3 |
| 99B-203 | 0.4 | 0.1 | 0.5 | 69 | 0.5 | 148 | 20 | 36 | 5 | 21 | 4 | 0.5 | 3 | 0.5 | 2.2 | 0.5 | 1.1 | 0.5 | 1.0 | 0.5 | 95.5 | 0.5 | 3 | 2 |
| 99B-204 | 0.4 | 0.1 | 0.5 | 43 | 0.5 | 114 | 23 | 43 | 6 | 24 | 4 | 0.5 | 4 | 0.5 | 2.2 | 0.5 | 1.2 | 0.5 | 1.1 | 0.5 | 110.7 | 0.5 | 1 | 3 |
| 99B-205 | 0.3 | 0.1 | 1.8 | 102 | 0.5 | 172 | 25 | 31 | 6 | 24 | 4 | 0.5 | 3 | 0.5 | 2.4 | 0.5 | 1.2 | 0.5 | 1.0 | 0.5 | 101.2 | 0.5 | 2 | 3 |
| 99B-206 | 0.4 | 0.1 | 1.2 | 97 | 0.5 | 146 | 30 | 32 | 8 | 33 | 5 | 0.5 | 5 | 0.5 | 3.2 | 0.5 | 1.8 | 0.5 | 1.6 | 0.5 | 121.6 | 0.5 | 2 | 2 |
| 99B-207 | 0.8 | 0.2 | 0.5 | 69 | 0.5 | 145 | 55 | 78 | 14 | 58 | 9 | 1.7 | 8 | 1.0 | 6.0 | 0.5 | 3.0 | 0.5 | 2.5 | 0.5 | 238.4 | 0.5 | 2 | 3 |
| 99B-208 | 0.7 | 0.1 | 1.4 | 107 | 0.5 | 184 | 66 | 79 | 18 | 73 | 12 | 2.2 | 10 | 1.2 | 7.1 | 1.2 | 3.7 | 0.5 | 3.4 | 0.5 | 279.1 | 0.5 | 1 | 2 |
| 99B-209 | 0.1 | 0.1 | 1.4 | 76 | 0.5 | 171 | 84 | 69 | 21 | 89 | 14 | 2.6 | 12 | 1.5 | 8.2 | 1.5 | 4.4 | 0.5 | 4.1 | 0.5 | 313.8 | 0.5 | 2 | 3 |
| 99B-210 | 0.4 | 0.1 | 0.5 | 63 | 0.5 | 273 | 41 | 62 | 10 | 41 | 7 | 1.2 | 6 | 0.5 | 3.9 | 1.0 | 2.1 | 0.5 | 1.9 | 0.5 | 177.9 | 0.5 | 2 | 4 |
| 99B-211 | 0.5 | 0.1 | 1.1 | 73 | 0.5 | 169 | 60 | 54 | 16 | 67 | 11 | 1.9 | 9 | 1.1 | 6.3 | 1.1 | 3.3 | 0.5 | 2.7 | 0.5 | 235.4 | 0.5 | 2 | 4 |
| 99B-212 | 0.1 | 0.1 | 1.2 | 84 | 0.5 | 145 | 29 | 22 | 7 | 28 | 4 | 0.5 | 4 | 0.5 | 2.6 | 0.5 | 1.4 | 0.5 | 1.2 | 0.5 | 101.2 | 0.5 | 2 | 2 |
| 99B-213 | 0.4 | 0.1 | 1.1 | 98 | 0.5 | 171 | 41 | 61 | 12 | 47 | 7 | 1.3 | 7 | 0.5 | 4.5 | 0.5 | 2.5 | 0.5 | 2.6 | 0.5 | 187.9 | 0.5 | 1 | 4 |
| 99B-214 | 0.1 | 0.1 | 0.5 | 58 | 0.5 | 156 | 20 | 22 | 5 | 20 | 3 | 0.5 | 3 | 0.5 | 1.8 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 77.1 | 0.5 | 2 | 2 |
| 99B-215 | 0.1 | 0.1 | 0.5 | 19 | 0.5 | 236 | 12 | 19 | 2 | 10 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 50.4 | 0.5 | 2 | 4 |
| 99B-216 | 0.5 | 0.1 | 0.5 | 98 | 0.5 | 149 | 35 | 39 | 10 | 40 | 6 | 1.1 | 5 | 0.5 | 3.5 | 0.5 | 1.9 | 0.5 | 1.8 | 0.5 | 146.8 | 0.5 | 1 | 3 |
| 99B-217 | 0.3 | 0.1 | 0.5 | 93 | 1.2 | 210 | 49 | 50 | 13 | 55 | 9 | 1.5 | 7 | 0.5 | 4.8 | 0.5 | 2.5 | 0.5 | 2.5 | 0.5 | 197.0 | 0.5 | 2 | 7 |
| 99B-218 | 0.5 | 0.1 | 0.5 | 27 | 0.5 | 139 | 15 | 19 | 3 | 13 | 2 | 0.5 | 2 | 0.5 | 1.2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 57.9 | 0.5 | 1 | 3 |
| 99B-219-1 Field Duplicate | 0.7 | 0.1 | 0.5 | 39 | 0.5 | 130 | 31 | 51 | 8 | 32 | 5 | 0.5 | 4 | 0.5 | 3.2 | 0.5 | 1.7 | 0.5 | 1.4 | 0.5 | 141.1 | 0.5 | 2 | 4 |
| 99B-219-2 Field Duplicate | 1.1 | 0.1 | 0.5 | 41 | 0.5 | 127 | 39 | 69 | 10 | 41 | 7 | 1.1 | 6 | 0.5 | 4.2 | 0.5 | 2.1 | 0.5 | 1.9 | 0.5 | 182.2 | 0.5 | 1 | 4 |
| 99B-220 | 0.8 | 0.1 | 1.6 | 130 | 0.5 | 194 | 112 | 116 | 33 | 136 | 23 | 4.4 | 19 | 2.6 | 13.5 | 2.6 | 7.7 | 1.1 | 7.0 | 0.5 | 477.5 | 1.1 | 1 | 3 |
| 99B-221 | 0.3 | 0.1 | 1.3 | 50 | 0.5 | 185 | 27 | 33 | 7 | 26 | 4 | 0.5 | 4 | 0.5 | 2.6 | 0.5 | 1.3 | 0.5 | 1.2 | 0.5 | 108.4 | 0.5 | 2 | 2 |
| 99B-222 | 0.1 | 0.1 | 1.2 | 68 | 0.5 | 188 | 13 | 19 | 3 | 12 | 2 | 0.5 | 2 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 55.6 | 0.5 | 2 | 2 |
| 99B-223 | 0.7 | 0.1 | 0.5 | 34 | 1.4 | 242 | 30 | 67 | 9 | 38 | 7 | 1.2 | 5 | 0.5 | 4.3 | 0.5 | 2.4 | 0.5 | 2.3 | 0.5 | 168.8 | 1.3 | 1 | 7 |
| 99B-224 | 0.1 | 0.1 | 0.5 | 42 | 0.5 | 120 | 21 | 37 | 6 | 24 | 4 | 0.5 | 3 | 0.5 | 2.6 | 0.5 | 1.3 | 0.5 | 1.2 | 0.5 | 102.9 | 0.5 | 2 | 2 |
| 99B-225 | 0.9 | 0.1 | 1.8 | 90 | 0.5 | 186 | 13 | 22 | 3 | 13 | 2 | 0.5 | 2 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 57.7 | 0.5 | 3 | 2 |
| 99B-226 | 0.8 | 0.1 | 0.5 | 81 | 0.5 | 169 | 34 | 36 | 8 | 34 | 5 | 0.5 | 5 | 0.5 | 3.1 | 0.5 | 1.9 | 0.5 | 1.6 | 0.5 | 130.8 | 0.5 | 1 | 2 |
| 99B-227 | 0.4 | 0.1 | 0.5 | 28 | 0.5 | 129 | 26 | 57 | 8 | 32 | 6 | 0.5 | 4 | 0.5 | 3.0 | 0.5 | 1.5 | 0.5 | 1.4 | 0.5 | 141.2 | 0.5 | 1 | 2 |
| 99B-228 | 0.5 | 0.1 | 0.5 | 95 | 0.5 | 147 | 53 | 83 | 17 | 70 | 12 | 2.1 | 10 | 1.3 | 7.2 | 1.2 | 4.1 | 0.5 | 3.7 | 0.5 | 265.2 | 1.3 | 1 | 2 |
| 99B-229 | 0.6 | 0.1 | 1.2 | 107 | 0.5 | 149 | 26 | 31 | 7 | 26 | 4 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.3 | 0.5 | 1.2 | 0.5 | 106.3 | 0.5 | 2 | 1 |
| 99B-230-1 Field Duplicate | 2.1 | 0.4 | 0.5 | 68 | 0.5 | 240 | 37 | 103 | 15 | 52 | 11 | 3.5 | 9 | 2.5 | 6.3 | 1.9 | 3.9 | 0.5 | 3.9 | 1.5 | 253.1 | 1.3 | 2 | 7 |
| 99B-230-2 Field Duplicate | 0.4 | 0.5 | 0.5 | 90 | 0.5 | 270 | 74 | 142 | 24 | 90 | 17 | 4.0 | 14 | 2.8 | 10.9 | 2.6 | 6.7 | 1.0 | 6.6 | 1.6 | 397.5 | 1.5 | 3 | 6 |
| 99B-231 | 0.8 | 0.3 | 0.5 | 73 | 0.5 | 182 | 35 | 54 | 11 | 43 | 8 | 1.9 | 7 | 1.2 | 5.0 | 1.1 | 2.9 | 0.5 | 2.9 | 0.5 | 174.8 | 0.5 | 2 | 6 |
| 99B-232 | 0.1 | 0.3 | 0.5 | 82 | 0.5 | 166 | 29 | 34 | 8 | 29 | 5 | 1.3 | 4 | 0.5 | 3.3 | 0.5 | 2.0 | 0.5 | 1.8 | 0.5 | 121.0 | 0.5 | 2 | 3 |
| 99B-233 | 0.6 | 0.4 | 0.5 | 98 | 0.5 | 346 | 156 | 136 | 40 | 157 | 26 | 5.0 | 21 | 3.0 | 15.2 | 3.1 | 8.8 | 1.2 | 7.6 | 1.1 | 581.4 | 1.2 | 2 | 7 |
| 99B-234 | 0.6 | 0.3 | 0.5 | 67 | 0.5 | 259 | 137 | 260 | 44 | 177 | 34 | 6.5 | 27 | 4.2 | 21.6 | 4.2 | 12.1 | 1.7 | 11.4 | 1.7 | 740.7 | 2.4 | 1 | 4 |
| 99B-235 | 0.4 | 0.3 | 1.3 | 110 | 0.5 | 356 | 92 | 130 | 28 | 113 | 20 | 3.6 | 16 | 2.3 | 11.2 | 2.2 | 6.3 | 0.5 | 5.7 | 0.5 | 430.7 | 0.5 | 1 | 5 |
| 99B-236 | 0.5 | 0.2 | 0.5 | 75 | 1.7 | 338 | 61 | 120 | 16 | 63 | 11 | 2.0 | 9 | 1.2 | 6.6 | 1.0 | 3.2 | 0.5 | 3.0 | 0.5 | 297.9 | 1.4 | 2 | 13 |
| 99B-237 | 0.1 | 0.1 | 0.5 | 75 | 0.5 | 145 | 18 | 26 | 5 | 18 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 78.2 | 0.5 | 2 | 2 |

| Sample Site | Cd | In | Sb | I | Cs | Ba | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | TREE | Hf | W | Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-238 | 0.1 | 0.1 | 1.3 | 145 | 0.5 | 180 | 25 | 24 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 87.5 | 0.5 | 2 | 2 |
| 99B-239 | 0.3 | 0.2 | 1.1 | 109 | 0.5 | 145 | 33 | 33 | 8 | 30 | 5 | 0.5 | 4 | 0.5 | 2.8 | 0.5 | 1.5 | 0.5 | 1.3 | 0.5 | 121.0 | 0.5 | 2 | 2 |
| 99B-240 | 0.4 | 0.1 | 0.5 | 48 | 0.5 | 123 | 21 | 18 | 5 | 20 | 3 | 0.5 | 3 | 0.5 | 1.8 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 75.1 | 0.5 | 2 | 2 |
| 99B-241 | 0.1 | 0.1 | 0.5 | 100 | 0.5 | 145 | 45 | 33 | 11 | 46 | 8 | 1.3 | 6 | 0.5 | 4.0 | 0.5 | 2.4 | 0.5 | 2.0 | 0.5 | 160.0 | 0.5 | 1 | 3 |
| 99B-242 | 0.1 | 0.1 | 0.5 | 55 | 0.5 | 223 | 46 | 107 | 17 | 69 | 14 | 2.6 | 11 | 1.5 | 8.4 | 1.5 | 4.7 | 0.5 | 5.0 | 0.5 | 287.8 | 2.5 | 1 | 5 |
| 99B-243 | 0.2 | 0.1 | 1.1 | 105 | 0.5 | 214 | 89 | 95 | 26 | 106 | 18 | 3.3 | 15 | 2.0 | 10.0 | 1.8 | 5.3 | 0.5 | 4.8 | 0.5 | 375.9 | 0.5 | 1 | 5 |
| 99B-244 | 0.3 | 0.1 | 1.5 | 146 | 0.5 | 152 | 34 | 30 | 8 | 35 | 6 | 1.0 | 5 | 0.5 | 3.4 | 0.5 | 1.9 | 0.5 | 1.7 | 0.5 | 128.4 | 0.5 | 2 | 2 |
| 99B-245 | 0.6 | 0.1 | 1.7 | 151 | 0.5 | 171 | 34 | 25 | 9 | 36 | 6 | 1.1 | 5 | 0.5 | 3.6 | 0.5 | 1.8 | 0.5 | 1.8 | 0.5 | 124.3 | 0.5 | 2 | 2 |
| 99B-246 | 0.4 | 0.1 | 1.4 | 137 | 0.5 | 169 | 89 | 63 | 24 | 99 | 16 | 3.0 | 13 | 1.8 | 9.5 | 1.7 | 5.1 | 0.5 | 4.3 | 0.5 | 331.5 | 0.5 | 1 | 3 |
| 99B-247 | 0.4 | 0.1 | 2.0 | 192 | 0.5 | 187 | 128 | 182 | 45 | 188 | 33 | 6.3 | 27 | 3.9 | 20.0 | 3.9 | 11.6 | 1.7 | 11.1 | 1.7 | 663.1 | 1.9 | 1 | 4 |
| 99B-248-1 Field Duplicate | 0.8 | 0.1 | 2.2 | 63 | 0.5 | 216 | 30 | 45 | 8 | 31 | 5 | 0.5 | 4 | 0.5 | 3.2 | 0.5 | 1.6 | 0.5 | 1.5 | 0.5 | 132.3 | 0.5 | 2 | 2 |
| 99B-248-2 Field Duplicate | 0.1 | 0.1 | 1.1 | 37 | 0.5 | 178 | 18 | 32 | 4 | 17 | 3 | 0.5 | 2 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 81.5 | 0.5 | 3 | 3 |
| 99B-249 | 0.1 | 0.1 | 0.5 | 110 | 0.5 | 205 | 59 | 50 | 15 | 65 | 11 | 2.0 | 9 | 1.2 | 7.0 | 1.3 | 4.0 | 0.5 | 3.4 | 0.5 | 229.9 | 0.5 | 2 | 3 |
| 99B-250 | 0.3 | 0.1 | 1.8 | 183 | 0.5 | 212 | 151 | 153 | 46 | 188 | 33 | 6.1 | 27 | 3.6 | 19.4 | 3.8 | 11.2 | 1.6 | 10.6 | 1.5 | 654.9 | 2.3 | 1 | 4 |
| 99B-251 | 0.1 | 0.1 | 1.7 | 155 | 0.5 | 166 | 137 | 97 | 36 | 148 | 26 | 4.6 | 21 | 3.0 | 16.0 | 3.0 | 9.3 | 1.2 | 8.1 | 1.2 | 511.4 | 1.4 | 1 | 4 |
| 99B-252 | 0.5 | 0.1 | 1.9 | 121 | 0.5 | 169 | 43 | 36 | 10 | 41 | 7 | 1.2 | 6 | 0.5 | 4.0 | 0.5 | 2.2 | 0.5 | 1.9 | 0.5 | 154.0 | 0.5 | 2 | 3 |
| 99B-253 | 0.6 | 0.1 | 0.5 | 43 | 0.5 | 101 | 26 | 44 | 7 | 27 | 5 | 0.5 | 4 | 0.5 | 2.9 | 0.5 | 1.6 | 0.5 | 1.3 | 0.5 | 121.2 | 0.5 | 1 | 2 |
| 99B-254 | 0.6 | 0.1 | 1.0 | 112 | 0.5 | 259 | 62 | 60 | 16 | 66 | 12 | 2.1 | 10 | 1.3 | 7.3 | 1.3 | 4.2 | 0.5 | 3.8 | 0.5 | 246.7 | 0.5 | 2 | 2 |
| 99B-255 | 0.6 | 0.1 | 1.0 | 118 | 1.2 | 320 | 64 | 145 | 21 | 86 | 16 | 3.0 | 13 | 1.8 | 9.4 | 1.7 | 5.8 | 0.5 | 6.8 | 0.5 | 374.1 | 4.0 | 1 | 8 |
| 99B-256 | 0.1 | 0.1 | 1.8 | 217 | 0.5 | 206 | 34 | 42 | 9 | 36 | 6 | 1.1 | 5 | 0.5 | 3.9 | 0.5 | 2.2 | 0.5 | 2.0 | 0.5 | 143.5 | 0.5 | 2 | 2 |
| 99B-257 | 0.3 | 0.1 | 1.3 | 142 | 0.5 | 199 | 64 | 71 | 19 | 77 | 13 | 2.4 | 11 | 1.4 | 7.9 | 1.4 | 4.4 | 0.5 | 4.0 | 0.5 | 277.7 | 0.5 | 1 | 6 |
| 99B-258 | 0.1 | 0.1 | 1.6 | 148 | 0.5 | 190 | 58 | 43 | 14 | 58 | 9 | 1.8 | 8 | 0.5 | 5.5 | 1.0 | 3.2 | 0.5 | 2.5 | 0.5 | 204.7 | 0.5 | 2 | 2 |
| 99B-259 | 0.3 | 0.1 | 1.7 | 172 | 0.5 | 182 | 98 | 120 | 27 | 111 | 18 | 3.4 | 16 | 2.0 | 10.7 | 2.0 | 5.7 | 0.5 | 5.4 | 0.5 | 419.5 | 0.5 | 2 | 4 |
| 99B-260 | 0.6 | 0.1 | 1.0 | 151 | 0.5 | 252 | 78 | 72 | 21 | 85 | 14 | 2.6 | 12 | 1.5 | 7.8 | 1.4 | 4.4 | 0.5 | 3.8 | 0.5 | 303.0 | 0.5 | 1 | 4 |
| 99B-261 | 0.8 | 0.1 | 1.4 | 90 | 0.5 | 329 | 43 | 133 | 13 | 51 | 9 | 1.5 | 8 | 0.5 | 5.9 | 1.0 | 3.2 | 0.5 | 3.0 | 0.5 | 272.1 | 1.8 | 1 | 4 |
| 99B-262 | 0.3 | 0.1 | 1.0 | 60 | 0.5 | 234 | 18 | 38 | 4 | 17 | 3 | 0.5 | 2 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 87.1 | 0.5 | 2 | 3 |
| 99B-263 | 0.3 | 0.1 | 1.1 | 97 | 0.5 | 185 | 72 | 120 | 21 | 85 | 15 | 2.8 | 13 | 1.7 | 9.3 | 1.7 | 5.1 | 0.5 | 4.2 | 0.5 | 352.5 | 1.4 | 2 | 3 |
| 99B-264 | 0.1 | 0.1 | 0.5 | 54 | 0.5 | 234 | 46 | 76 | 14 | 58 | 10 | 1.8 | 8 | 1.1 | 6.0 | 1.1 | 3.6 | 0.5 | 3.2 | 0.5 | 230.9 | 1.1 | 1 | 2 |
| 99B-265 | 0.3 | 0.1 | 1.1 | 74 | 0.5 | 139 | 53 | 61 | 14 | 59 | 10 | 1.7 | 8 | 1.0 | 5.9 | 1.1 | 3.2 | 0.5 | 2.7 | 0.5 | 221.0 | 0.5 | 1 | 2 |
| 99B-266 | 0.1 | 0.1 | 0.5 | 28 | 0.5 | 97 | 18 | 18 | 4 | 17 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 68.3 | 0.5 | 2 | 1 |
| 99B-267 | 1.0 | 0.1 | 0.5 | 73 | 1.0 | 368 | 41 | 101 | 11 | 45 | 8 | 1.5 | 7 | 0.5 | 5.3 | 0.5 | 2.9 | 0.5 | 2.7 | 0.5 | 227.9 | 2.5 | 2 | 7 |
| 99B-268 | 0.2 | 0.1 | 0.5 | 100 | 0.5 | 207 | 52 | 58 | 14 | 59 | 10 | 1.8 | 8 | 1.0 | 6.1 | 1.2 | 3.7 | 0.5 | 3.4 | 0.5 | 219.2 | 0.5 | 2 | 2 |
| 99B-269 | 0.3 | 0.1 | 0.5 | 88 | 0.5 | 133 | 60 | 63 | 16 | 65 | 11 | 2.0 | 9 | 1.2 | 6.8 | 1.2 | 4.0 | 0.5 | 3.5 | 0.5 | 244.7 | 0.5 | 1 | 2 |
| 99B-270 | 0.3 | 0.1 | 1.4 | 118 | 0.5 | 206 | 30 | 30 | 7 | 31 | 5 | 0.5 | 4 | 0.5 | 3.1 | 0.5 | 1.7 | 0.5 | 1.3 | 0.5 | 115.7 | 0.5 | 2 | 1 |
| 99B-271 | 0.7 | 0.1 | 0.5 | 32 | 0.5 | 140 | 21 | 29 | 5 | 20 | 3 | 0.5 | 3 | 0.5 | 2.1 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 87.9 | 0.5 | 2 | 2 |
| 99B-272 | 0.7 | 0.1 | 0.5 | 113 | 0.5 | 207 | 52 | 56 | 13 | 56 | 10 | 1.9 | 9 | 1.0 | 6.5 | 1.1 | 3.6 | 0.5 | 3.0 | 0.5 | 214.7 | 0.5 | 1 | 2 |
| 99B-273 | 0.3 | 0.1 | 0.5 | 174 | 0.5 | 185 | 44 | 36 | 11 | 46 | 8 | 1.5 | 7 | 0.5 | 5.2 | 0.5 | 3.0 | 0.5 | 2.7 | 0.5 | 167.0 | 0.5 | 2 | 2 |
| 99B-274 | 0.5 | 0.3 | 0.5 | 36 | 0.5 | 111 | 9 | 14 | 5 | 10 | 3 | 2.0 | 3 | 1.5 | 1.9 | 1.2 | 1.5 | 0.5 | 1.6 | 1.4 | 55.2 | 0.5 | 6 | 3 |
| 99B-275 | 0.4 | 0.8 | 0.5 | 81 | 0.5 | 145 | 38 | 57 | 13 | 44 | 9 | 2.7 | 7 | 1.9 | 5.2 | 1.6 | 3.4 | 0.5 | 2.9 | 1.0 | 187.5 | 0.5 | 4 | 4 |
| 99B-276-1 Field Duplicate | 1.0 | 0.3 | 0.5 | 59 | 0.5 | 188 | 109 | 226 | 30 | 123 | 22 | 4.4 | 18 | 2.8 | 13.8 | 2.7 | 7.4 | 1.1 | 6.3 | 1.0 | 568.4 | 0.5 | 3 | 4 |
| 99B-276-2 Field Duplicate | 1.2 | 0.2 | 0.5 | 78 | 0.5 | 334 | 42 | 152 | 14 | 54 | 10 | 2.1 | 8 | 1.3 | 6.0 | 1.2 | 3.4 | 0.5 | 2.9 | 0.5 | 298.3 | 1.1 | 5 | 5 |
| 99B-277 | 0.3 | 0.2 | 1.7 | 134 | 0.5 | 243 | 63 | 93 | 17 | 68 | 12 | 2.4 | 10 | 1.5 | 6.8 | 1.3 | 3.7 | 0.5 | 3.4 | 0.5 | 283.6 | 0.5 | 5 | 6 |
| 99B-278 | 0.4 | 0.1 | 0.5 | 66 | 0.5 | 190 | 26 | 38 | 7 | 25 | 4 | 0.5 | 3 | 0.5 | 2.3 | 0.5 | 1.3 | 0.5 | 1.1 | 0.5 | 109.1 | 0.5 | 4 | 2 |
| 99B-279 | 0.1 | 0.1 | 1.0 | 128 | 0.5 | 200 | 45 | 50 | 11 | 46 | 8 | 1.5 | 6 | 0.5 | 4.3 | 0.5 | 2.5 | 0.5 | 1.9 | 0.5 | 178.3 | 0.5 | 4 | 6 |
| 99B-280 | 0.3 | 0.3 | 0.5 | 102 | 0.5 | 180 | 116 | 195 | 35 | 142 | 25 | 4.9 | 22 | 3.0 | 16.4 | 3.2 | 9.2 | 1.4 | 9.0 | 1.4 | 582.3 | 1.7 | 3 | 5 |
| 99B-281 | 0.7 | 0.1 | 0.5 | 86 | 0.5 | 349 | 107 | 248 | 35 | 145 | 28 | 5.5 | 22 | 3.3 | 17.3 | 3.3 | 9.8 | 1.4 | 9.8 | 1.4 | 637.3 | 4.6 | 4 | 8 |
| 99B-282 | 0.1 | 0.1 | 0.5 | 102 | 0.5 | 284 | 90 | 229 | 29 | 117 | 22 | 4.4 | 19 | 2.7 | 13.9 | 2.6 | 7.8 | 1.1 | 6.8 | 0.5 | 546.7 | 2.3 | 3 | 6 |
| 99B-283 | 0.1 | 0.1 | 0.5 | 28 | 0.5 | 163 | 16 | 43 | 5 | 19 | 3 | 0.5 | 3 | 0.5 | 2.2 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 94.7 | 0.5 | 3 | 5 |
| 99B-285 | 0.1 | 0.1 | 1.2 | 129 | 0.5 | 271 | 17 | 35 | 4 | 17 | 3 | 0.5 | 3 | 0.5 | 1.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 83.8 | 0.5 | 4 | 4 |
| 99B-286 | 0.4 | 0.1 | 0.5 | 82 | 0.5 | 249 | 86 | 223 | 34 | 139 | 27 | 5.0 | 20 | 3.0 | 16.5 | 3.2 | 9.4 | 1.4 | 9.3 | 1.3 | 578.0 | 2.5 | 3 | 4 |
| 99B-287 | 0.3 | 0.1 | 1.0 | 96 | 0.5 | 182 | 29 | 61 | 9 | 36 | 7 | 1.1 | 5 | 0.5 | 3.9 | 0.5 | 2.0 | 0.5 | 1.6 | 0.5 | 156.8 | 0.5 | 4 | 3 |

| Sample Site | Cd ppb | In ppb | Sb ppb | I ppb | Cs ppb | Ba ppb | La ppb | Ce ppb | Pr ppb | Nd ppb | Sm ppb | Eu ppb | Gd ppb | Tb ppb | Dy ppb | Ho ppb | Er ppb | Tm ppb | Yb ppb | Lu ppb | TREE ppb | Hf ppb | W ppb | Pb ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-288 | 0.2 | 0.1 | 0.5 | 17 | 0.5 | 127 | 9 | 18 | 2 | 8 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 43.4 | 0.5 | 4 | 2 |
| 99B-289 | 0.4 | 0.1 | 0.5 | 61 | 0.5 | 132 | 57 | 92 | 15 | 63 | 11 | 1.9 | 9 | 1.2 | 6.2 | 1.1 | 3.5 | 0.5 | 2.9 | 0.5 | 264.5 | 0.5 | 5 | 3 |
| 99B-290 | 0.3 | 0.1 | 0.5 | 150 | 0.5 | 235 | 61 | 63 | 16 | 64 | 11 | 2.1 | 10 | 1.2 | 6.9 | 1.3 | 4.0 | 0.5 | 3.4 | 0.5 | 244.9 | 0.5 | 6 | 3 |
| 99B-291 | 0.6 | 0.1 | 1.1 | 111 | 1.1 | 262 | 102 | 214 | 38 | 161 | 30 | 5.8 | 23 | 3.3 | 17.9 | 3.3 | 9.6 | 1.4 | 9.6 | 1.3 | 620.7 | 2.8 | 4 | 9 |
| 99B-292-1 Field Duplicate | 0.8 | 0.1 | 1.4 | 104 | 0.5 | 262 | 77 | 90 | 21 | 84 | 14 | 2.8 | 12 | 1.6 | 8.8 | 1.6 | 5.1 | 0.5 | 4.3 | 0.5 | 323.0 | 0.5 | 4 | 2 |
| 99B-292-2 Field Duplicate | 1.1 | 0.1 | 1.5 | 110 | 0.5 | 222 | 48 | 51 | 12 | 51 | 8 | 1.5 | 7 | 0.5 | 5.4 | 0.5 | 2.9 | 0.5 | 2.5 | 0.5 | 192.1 | 0.5 | 5 | 2 |
| 99B-293 | 1.0 | 0.1 | 1.8 | 158 | 2.3 | 733 | 83 | 126 | 23 | 86 | 15 | 2.7 | 12 | 1.6 | 8.5 | 1.6 | 4.6 | 0.5 | 4.2 | 0.5 | 368.2 | 2.1 | 5 | 9 |
| 99B-294 | 0.9 | 0.1 | 1.3 | 157 | 0.5 | 240 | 208 | 252 | 63 | 265 | 47 | 8.7 | 37 | 5.3 | 27.4 | 5.6 | 16.1 | 2.3 | 14.3 | 2.2 | 954.3 | 2.7 | 4 | 5 |
| 99B-295 | 0.6 | 0.1 | 1.1 | 127 | 0.5 | 209 | 49 | 54 | 12 | 50 | 8 | 1.5 | 7 | 0.5 | 5.4 | 0.5 | 3.0 | 0.5 | 2.7 | 0.5 | 195.7 | 0.5 | 4 | 3 |
| 99B-296 | 0.5 | 0.1 | 2.6 | 71 | 2.6 | 308 | 48 | 65 | 12 | 42 | 7 | 1.6 | 6 | 1.0 | 4.3 | 0.5 | 2.5 | 0.5 | 2.4 | 0.5 | 193.3 | 1.7 | 3 | 10 |
| 99B-297 | 0.2 | 0.1 | 0.5 | 42 | 0.5 | 157 | 19 | 29 | 5 | 19 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 1.0 | 0.5 | 0.5 | 0.5 | 85.0 | 0.5 | 4 | 3 |
| 99B-298 | 0.1 | 0.1 | 1.3 | 75 | 0.5 | 304 | 21 | 31 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 88.9 | 0.5 | 3 | 2 |
| 99B-299 | 1.0 | 0.1 | 0.5 | 153 | 0.5 | 319 | 99 | 182 | 30 | 127 | 22 | 4.1 | 19 | 2.5 | 13.8 | 2.6 | 8.0 | 1.2 | 7.3 | 1.0 | 520.7 | 1.8 | 3 | 4 |
| 99B-300 | 0.6 | 0.1 | 1.7 | 147 | 0.5 | 179 | 103 | 67 | 25 | 105 | 17 | 3.3 | 15 | 1.9 | 10.2 | 2.0 | 6.2 | 0.5 | 5.2 | 0.5 | 362.8 | 0.5 | 5 | 3 |
| 99B-301 | 0.4 | 0.1 | 1.2 | 158 | 0.5 | 168 | 44 | 35 | 10 | 39 | 7 | 1.1 | 6 | 0.5 | 4.1 | 0.5 | 2.2 | 0.5 | 2.0 | 0.5 | 151.6 | 0.5 | 5 | 3 |
| 99B-302 | 0.1 | 0.1 | 0.5 | 61 | 0.5 | 155 | 26 | 29 | 6 | 26 | 4 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.3 | 0.5 | 1.1 | 0.5 | 103.3 | 0.5 | 4 | 4 |
| 99B-303 | 0.9 | 0.1 | 0.5 | 68 | 0.5 | 161 | 31 | 27 | 8 | 33 | 6 | 0.5 | 5 | 0.5 | 3.5 | 0.5 | 1.9 | 0.5 | 2.8 | 0.5 | 119.9 | 0.5 | 3 | 2 |
| 99B-304 | 0.5 | 0.1 | 1.4 | 54 | 0.5 | 188 | 14 | 19 | 3 | 11 | 2 | 0.5 | 1 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 54.5 | 0.5 | 3 | 2 |
| 99B-305 | 1.2 | 0.1 | 0.5 | 115 | 0.5 | 204 | 68 | 80 | 18 | 77 | 13 | 2.4 | 11 | 1.5 | 8.2 | 1.5 | 4.7 | 0.5 | 4.3 | 0.5 | 289.7 | 1.2 | 4 | 4 |
| 99B-306 | 0.7 | 0.1 | 0.5 | 110 | 0.5 | 172 | 59 | 124 | 19 | 79 | 14 | 2.7 | 12 | 1.5 | 9.0 | 1.7 | 5.2 | 0.5 | 5.0 | 0.5 | 332.8 | 3.4 | 2 | 3 |
| 99B-307 | 0.6 | 0.1 | 0.5 | 133 | 0.5 | 216 | 80 | 194 | 24 | 98 | 17 | 3.1 | 15 | 1.9 | 11.0 | 1.9 | 5.8 | 0.5 | 5.5 | 0.5 | 458.8 | 3.5 | 3 | 4 |
| 99B-308 | 0.1 | 0.1 | 0.5 | 42 | 0.5 | 497 | 29 | 66 | 8 | 33 | 6 | 0.5 | 5 | 0.5 | 3.1 | 0.5 | 1.7 | 0.5 | 1.5 | 0.5 | 155.3 | 0.5 | 2 | 3 |
| 99B-309 | 0.1 | 0.1 | 1.1 | 30 | 0.5 | 71 | 20 | 37 | 5 | 19 | 3 | 0.5 | 3 | 0.5 | 2.1 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 93.2 | 0.5 | 2 | 2 |
| 99B-310 | 1.4 | 0.1 | 1.2 | 129 | 0.5 | 250 | 69 | 62 | 17 | 73 | 12 | 2.1 | 10 | 1.3 | 7.8 | 1.5 | 4.4 | 0.5 | 3.8 | 0.5 | 264.7 | 0.5 | 4 | 3 |
| 99B-311 | 0.8 | 0.1 | 0.5 | 16 | 0.5 | 132 | 15 | 19 | 3 | 14 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 60.6 | 0.5 | 3 | 2 |
| 99B-312 | 0.1 | 0.1 | 0.5 | 63 | 0.5 | 109 | 52 | 78 | 14 | 59 | 10 | 1.7 | 9 | 1.1 | 6.5 | 1.1 | 3.5 | 0.5 | 3.2 | 0.5 | 240.1 | 0.5 | 1 | 2 |
| 99B-313 | 0.9 | 0.1 | 0.5 | 100 | 0.5 | 210 | 56 | 113 | 18 | 75 | 13 | 2.5 | 11 | 1.4 | 9.0 | 1.6 | 5.0 | 0.5 | 4.7 | 0.5 | 312.7 | 4.7 | 3 | 5 |
| 99B-314-1 Field Duplicate | 0.4 | 0.1 | 1.2 | 190 | 0.5 | 181 | 36 | 39 | 8 | 36 | 6 | 0.5 | 5 | 0.5 | 3.8 | 0.5 | 2.1 | 0.5 | 1.9 | 0.5 | 140.6 | 0.5 | 4 | 3 |
| 99B-314-2 Field Duplicate | 0.6 | 0.1 | 0.5 | 135 | 0.5 | 155 | 63 | 69 | 16 | 66 | 11 | 2.0 | 9 | 1.2 | 6.9 | 1.3 | 4.0 | 0.5 | 3.4 | 0.5 | 254.2 | 0.5 | 7 | 4 |
| 99B-315 | 0.6 | 0.1 | 0.5 | 104 | 0.5 | 153 | 35 | 33 | 9 | 35 | 5 | 0.5 | 4 | 0.5 | 3.3 | 0.5 | 1.8 | 0.5 | 1.4 | 0.5 | 130.1 | 0.5 | 6 | 2 |
| 99B-316 | 0.3 | 0.1 | 1.1 | 110 | 0.5 | 170 | 42 | 36 | 11 | 45 | 8 | 1.3 | 6 | 0.5 | 4.4 | 0.5 | 2.6 | 0.5 | 2.2 | 0.5 | 159.6 | 0.5 | 6 | 3 |
| 99B-318 | 0.3 | 0.1 | 1.1 | 109 | 0.5 | 173 | 41 | 44 | 12 | 50 | 10 | 1.7 | 8 | 0.5 | 5.6 | 0.5 | 3.1 | 0.5 | 2.9 | 0.5 | 179.3 | 0.5 | 4 | 5 |
| 99B-319 | 0.3 | 0.1 | 1.1 | 123 | 0.5 | 183 | 88 | 134 | 29 | 101 | 20 | 5.9 | 16 | 3.8 | 11.5 | 3.6 | 7.2 | 0.5 | 6.4 | 2.3 | 428.4 | 1.7 | 6 | 5 |
| 99B-320 | 0.3 | 0.1 | 0.5 | 101 | 0.5 | 189 | 38 | 45 | 11 | 38 | 8 | 2.6 | 6 | 1.7 | 4.8 | 1.6 | 3.1 | 0.5 | 2.7 | 1.1 | 165.0 | 0.5 | 4 | 4 |
| 99B-322 | 0.1 | 0.1 | 1.3 | 167 | 0.5 | 163 | 29 | 26 | 8 | 30 | 5 | 1.5 | 4 | 0.5 | 3.2 | 0.5 | 1.7 | 0.5 | 1.5 | 0.5 | 112.7 | 0.5 | 4 | 3 |
| 99B-323 | 0.6 | 0.1 | 1.1 | 128 | 1.2 | 245 | 71 | 140 | 26 | 108 | 20 | 4.1 | 15 | 2.4 | 12.7 | 2.5 | 7.3 | 1.1 | 7.3 | 1.1 | 418.7 | 2.1 | 3 | 8 |
| 99B-324 | 0.3 | 0.1 | 1.2 | 131 | 0.5 | 183 | 44 | 58 | 13 | 55 | 10 | 2.0 | 8 | 1.1 | 5.7 | 1.2 | 3.3 | 0.5 | 2.9 | 0.5 | 204.9 | 0.5 | 4 | 4 |
| 99B-325 | 0.4 | 0.1 | 1.5 | 120 | 0.5 | 170 | 82 | 80 | 21 | 88 | 15 | 2.9 | 12 | 1.7 | 8.7 | 1.7 | 4.8 | 0.5 | 4.1 | 0.5 | 321.9 | 0.5 | 4 | 3 |
| 99B-326 | 0.2 | 0.1 | 1.3 | 132 | 0.5 | 169 | 110 | 164 | 32 | 130 | 23 | 4.5 | 18 | 2.8 | 14.1 | 2.8 | 8.3 | 1.2 | 7.7 | 1.1 | 520.5 | 2.8 | 3 | 3 |
| 99B-327 | 0.7 | 0.1 | 1.3 | 100 | 0.5 | 172 | 96 | 150 | 28 | 113 | 20 | 3.8 | 17 | 2.5 | 12.5 | 2.5 | 7.0 | 1.0 | 5.7 | 0.5 | 460.1 | 1.2 | 4 | 4 |
| 99B-328 | 0.1 | 0.1 | 0.5 | 124 | 0.5 | 145 | 61 | 53 | 17 | 68 | 12 | 2.2 | 10 | 1.3 | 7.4 | 1.4 | 4.1 | 0.5 | 4.0 | 0.5 | 242.2 | 0.5 | 4 | 3 |
| 99B-329-1 Field Duplicate | 0.5 | 0.1 | 1.3 | 130 | 0.5 | 189 | 34 | 21 | 8 | 32 | 5 | 0.5 | 4 | 0.5 | 3.4 | 0.5 | 1.9 | 0.5 | 1.7 | 0.5 | 114.0 | 0.5 | 5 | 2 |
| 99B-329-2 Field Duplicate | 0.2 | 0.1 | 1.4 | 135 | 0.5 | 231 | 30 | 22 | 7 | 27 | 4 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.5 | 0.5 | 1.1 | 0.5 | 102.8 | 0.5 | 5 | 2 |
| 99B-330 | 0.4 | 0.1 | 1.2 | 199 | 0.5 | 182 | 68 | 78 | 19 | 78 | 14 | 2.5 | 11 | 1.4 | 7.6 | 1.4 | 4.3 | 0.5 | 3.6 | 0.5 | 288.9 | 0.5 | 5 | 4 |
| 99B-331 | 0.1 | 0.1 | 2.3 | 187 | 0.5 | 162 | 101 | 60 | 26 | 106 | 18 | 3.1 | 14 | 1.9 | 9.8 | 2.0 | 5.8 | 0.5 | 5.2 | 0.5 | 352.3 | 0.5 | 3 | 3 |
| 99B-332 | 0.5 | 0.1 | 1.2 | 176 | 0.5 | 139 | 85 | 95 | 22 | 91 | 15 | 2.8 | 13 | 1.7 | 9.2 | 1.8 | 5.1 | 0.5 | 4.5 | 0.5 | 347.3 | 0.5 | 3 | 3 |
| 99B-333 | 0.5 | 0.1 | 1.4 | 189 | 0.5 | 193 | 89 | 93 | 26 | 102 | 17 | 3.2 | 13 | 1.8 | 9.3 | 1.7 | 5.3 | 0.5 | 4.9 | 0.5 | 368.0 | 1.2 | 3 | 6 |
| 99B-334 | 0.4 | 0.1 | 0.5 | 36 | 0.5 | 107 | 51 | 121 | 13 | 53 | 9 | 1.6 | 8 | 0.5 | 5.6 | 0.5 | 2.8 | 0.5 | 2.4 | 0.5 | 269.6 | 0.5 | 3 | 3 |
| 99B-335 | 0.4 | 0.1 | 1.9 | 168 | 2.1 | 276 | 93 | 79 | 22 | 87 | 14 | 2.5 | 12 | 1.5 | 7.7 | 1.4 | 4.5 | 0.5 | 3.8 | 0.5 | 329.8 | 1.2 | 4 | 12 |
| 99B-337 | 0.3 | 0.1 | 1.4 | 128 | 0.5 | 144 | 127 | 88 | 34 | 141 | 23 | 4.5 | 19 | 2.6 | 13.5 | 2.5 | 7.5 | 1.0 | 7.0 | 0.5 | 472.1 | 0.5 | 7 | 4 |
| 99B-338 | 0.2 | 0.1 | 0.5 | 96 | 0.5 | 127 | 31 | 25 | 7 | 29 | 5 | 0.5 | 4 | 0.5 | 2.8 | 0.5 | 1.6 | 0.5 | 1.4 | 0.5 | 109.1 | 0.5 | 8 | 2 |

| Sample Site | Cd | In | Sb | I | Cs | Ba | La | Ce | Pr | Nd | Sm | Eu | Gd | Tb | Dy | Ho | Er | Tm | Yb | Lu | TREE | Hf | W | Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-339 | 0.5 | 0.1 | 1.2 | 110 | 0.5 | 124 | 41 | 26 | 10 | 40 | 7 | 1.1 | 5 | 0.5 | 3.5 | 0.5 | 2.0 | 0.5 | 1.5 | 0.5 | 140.1 | 0.5 | 6 | 3 |
| 99B-340 | 0.3 | 0.1 | 1.1 | 142 | 0.5 | 148 | 50 | 67 | 17 | 76 | 14 | 2.7 | 11 | 1.5 | 8.6 | 1.6 | 5.0 | 0.5 | 5.5 | 0.5 | 260.8 | 1.3 | 5 | 3 |
| 99B-341 | 0.1 | 0.1 | 1.6 | 148 | 0.5 | 163 | 93 | 96 | 25 | 105 | 18 | 3.2 | 15 | 1.9 | 10.0 | 1.8 | 5.8 | 0.5 | 4.7 | 0.5 | 380.6 | 0.5 | 6 | 4 |
| 99B-342 | 0.8 | 0.4 | 2.0 | 241 | 3.1 | 604 | 60 | 80 | 16 | 62 | 11 | 2.2 | 9 | 1.4 | 6.2 | 1.3 | 3.7 | 0.5 | 3.3 | 0.5 | 256.3 | 3.4 | 12 | 8 |
| 99B-343 | 0.4 | 0.3 | 1.1 | 128 | 0.5 | 282 | 111 | 81 | 29 | 117 | 20 | 4.1 | 16 | 2.6 | 10.7 | 2.3 | 6.5 | 0.5 | 5.4 | 0.5 | 406.5 | 0.5 | 3 | 3 |
| 99B-344 | 1.0 | 0.2 | 1.4 | 134 | 0.5 | 290 | 74 | 61 | 19 | 78 | 13 | 2.5 | 11 | 1.5 | 8.0 | 1.4 | 4.3 | 0.5 | 3.8 | 0.5 | 279.4 | 0.5 | 6 | 3 |
| 99B-345 | 0.6 | 0.1 | 1.1 | 127 | 0.5 | 183 | 74 | 82 | 23 | 97 | 17 | 3.3 | 14 | 2.0 | 11.3 | 2.0 | 6.5 | 1.0 | 6.3 | 0.5 | 340.9 | 1.5 | 5 | 5 |
| 99B-346 | 0.6 | 0.1 | 0.5 | 122 | 0.5 | 192 | 55 | 53 | 14 | 59 | 10 | 1.9 | 8 | 1.1 | 6.5 | 1.1 | 3.6 | 0.5 | 2.9 | 0.5 | 218.1 | 0.5 | 3 | 3 |
| 99B-347 | 0.3 | 0.1 | 0.5 | 38 | 0.5 | 169 | 19 | 25 | 4 | 19 | 3 | 0.5 | 2 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 78.0 | 0.5 | 2 | 3 |
| 99B-348 | 0.7 | 0.1 | 0.5 | 35 | 0.5 | 144 | 41 | 82 | 11 | 44 | 8 | 1.4 | 6 | 0.5 | 4.5 | 0.5 | 2.3 | 0.5 | 1.9 | 0.5 | 203.8 | 0.5 | 7 | 4 |
| 99B-349 | 0.4 | 0.1 | 0.5 | 66 | 0.5 | 168 | 29 | 42 | 7 | 29 | 5 | 0.5 | 4 | 0.5 | 2.9 | 0.5 | 1.5 | 0.5 | 1.2 | 0.5 | 124.1 | 0.5 | 6 | 3 |
| 99B-350 | 0.9 | 0.1 | 1.2 | 90 | 0.5 | 174 | 52 | 93 | 14 | 58 | 10 | 1.8 | 8 | 1.1 | 6.4 | 1.2 | 3.4 | 0.5 | 2.9 | 0.5 | 253.4 | 0.5 | 5 | 3 |
| 99B-351 | 0.9 | 0.1 | 0.5 | 110 | 0.5 | 205 | 50 | 82 | 14 | 58 | 9 | 1.7 | 8 | 1.0 | 5.8 | 1.0 | 3.2 | 0.5 | 2.9 | 0.5 | 237.0 | 0.5 | 5 | 3 |

## ICP-OES

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-1 | 0.5 | 5 | 0.5 | 3 | 262 | 2.5 | 54 | 21.0 | 0.15 | 26.6 | 5.2 | -1.9 | 5.0 |
| 99B-2 | 0.5 | 2 | 0.5 | 2 | 509 | 7.1 | 85 | 20.5 | 0.39 | 30.7 | 2.6 | -1.9 | 25.1 |
| 99B-3 | 0.5 | 2 | 0.5 | 2 | 525 | 2.5 | 27 | 34.1 | 0.59 | 10.3 | 2.7 | -1.9 | 18.5 |
| 99B-4 | 0.5 | 4 | 0.5 | 3 | 180 | 5.8 | 29 | 16.6 | 0.80 | 37.1 | 6.7 | -1.8 | 5.7 |
| 99B-5 | 0.5 | 5 | 0.5 | 3 | 210 | 2.5 | 47 | 7.5 | 0.72 | 32.9 | 7.0 | -1.8 | 6.3 |
| 99B-6 | 4.9 | 11 | 0.5 | 8 | 180 | 10.1 | 33 | 15.6 | 0.44 | 48.6 | 12.4 | -1.8 | 5.7 |
| 99B-7 | 7.4 | 5 | 1.3 | 4 | 259 | 2.5 | 43 | 16.4 | 1.03 | 22.8 | 6.4 | -1.9 | 8.5 |
| 99B-8 | 5.9 | 3 | 0.5 | 2 | 428 | 2.5 | 43 | 15.1 | 0.15 | 11.1 | 4.4 | -1.9 | 7.7 |
| 99B-9 | 4.1 | 12 | 1.8 | 5 | 158 | 5.5 | 24 | 19.3 | 3.10 | 30.0 | 10.3 | -1.8 | 5.6 |
| 99B-10 | 5.4 | 5 | 0.5 | 5 | 702 | 2.5 | 90 | 27.7 | 1.42 | 9.5 | 7.2 | -1.9 | 15.2 |
| 99B-11 | 4.8 | 4 | 0.5 | 3 | 511 | 9.5 | 58 | 7.5 | 0.15 | 23.4 | 3.4 | -1.9 | 22.9 |
| 99B-12 | 2.2 | 12 | 1.1 | 5 | 167 | 7.1 | 45 | 7.5 | 1.56 | 27.6 | 8.8 | -1.8 | 5.8 |
| 99B-13 | 3.9 | 2 | 0.5 | 3 | 468 | 7.4 | 52 | 23.3 | 0.56 | 21.6 | 3.1 | -1.9 | 20.4 |
| 99B-14 | 3.3 | 3 | 0.5 | 2 | 292 | 2.5 | 41 | 19.8 | 0.53 | 25.7 | 4.9 | -1.9 | 8.4 |
| 99B-15 | 1.7 | 9 | 1.4 | 4 | 133 | 9.8 | 25 | 7.5 | 1.04 | 32.5 | 6.5 | -1.8 | 5.5 |
| 99B-16 | 3.3 | 4 | 0.5 | 3 | 435 | 2.5 | 32 | 27.3 | 0.53 | 14.9 | 3.5 | -1.9 | 19.7 |
| 99B-17 | 5.1 | 4 | 0.5 | 2 | 348 | 6.2 | 52 | 7.5 | 0.86 | 25.5 | 3.6 | -1.9 | 9.7 |
| 99B-18 | 1.7 | 14 | 1.8 | 10 | 133 | 12.1 | 25 | 21.7 | 0.78 | 33.4 | 13.5 | -1.8 | 5.4 |
| 99B-19 | 1.5 | 9 | 1.6 | 22 | 94 | 6.9 | 21 | 16.8 | 1.53 | 74.1 | 28.0 | -1.8 | 3.1 |
| 99B-20 | 1.7 | 5 | 0.5 | 8 | 159 | 6.9 | 25 | 7.5 | 0.15 | 55.2 | 11.9 | -1.9 | 5.5 |
| 99B-21-1 Field Duplicate | 1.4 | 10 | 1.4 | 5 | 132 | 6.2 | 24 | 7.5 | 1.58 | 36.6 | 7.5 | -1.8 | 5.2 |
| 99B-21-2 Field Duplicate | 1.8 | 6 | 1.1 | 4 | 200 | 6.7 | 35 | 7.5 | 1.29 | 30.2 | 5.7 | -1.9 | 7.9 |
| 99B-22 | 1.4 | 16 | 2.2 | 6 | 109 | 10.4 | 20 | 7.5 | 1.17 | 24.8 | 8.9 | -1.4 | 4.2 |
| 99B-23 | 2.7 | 5 | 1.6 | 5 | 464 | 16.7 | 59 | 7.5 | 0.92 | 30.7 | 5.8 | -1.9 | 22.2 |
| 99B-24 | 1.1 | 12 | 2.1 | 6 | 87 | 10.9 | 17 | 15.6 | 0.59 | 31.3 | 9.1 | -1.5 | 3.0 |
| 99B-25 | 0.5 | 9 | 1.8 | 5 | 75 | 9.2 | 14 | 19.8 | 0.31 | 30.0 | 7.6 | -1.4 | 2.9 |
| 99B-26 | 1.0 | 9 | 1.4 | 9 | 102 | 7.4 | 21 | 7.5 | 1.71 | 36.5 | 9.8 | -1.8 | 6.0 |
| 99B-27 | 1.2 | 3 | 0.5 | 3 | 451 | 2.5 | 36 | 29.7 | 0.15 | 9.1 | 3.4 | -1.9 | 17.9 |
| 99B-28 | 2.5 | 13 | 1.9 | 8 | 120 | 2.5 | 15 | 15.6 | 0.15 | 20.3 | 11.1 | -1.8 | 3.6 |
| 99B-29 | 2.8 | 2 | 0.5 | 2 | 266 | 2.5 | 46 | 7.5 | 1.14 | 14.3 | 5.0 | -1.9 | 7.4 |
| 99B-30 | 1.0 | 3 | 0.5 | 3 | 542 | 2.5 | 30 | 30.7 | 0.15 | 12.0 | 2.8 | -1.9 | 16.4 |
| 99B-31 | 2.0 | 3 | 0.5 | 3 | 483 | 13.8 | 60 | 7.5 | 0.91 | 29.8 | 3.6 | -1.9 | 16.3 |
| 99B-32 | 1.7 | 2 | 0.5 | 3 | 413 | 2.5 | 51 | 20.1 | 0.84 | 10.8 | 4.8 | -1.9 | 7.8 |
| 99B-33 | 2.1 | 6 | 0.5 | 4 | 534 | 5.9 | 64 | 7.5 | 0.15 | 21.9 | 5.0 | -1.9 | 19.5 |
| 99B-34 | 1.8 | 3 | 0.5 | 4 | 232 | 2.5 | 55 | 7.5 | 0.46 | 8.4 | 4.9 | -1.9 | 8.1 |
| 99B-35 | 0.5 | 11 | 1.6 | 7 | 133 | 9.6 | 30 | 7.5 | 1.78 | 38.6 | 8.9 | -1.8 | 5.6 |
| 99B-36 | 2.5 | 5 | 0.5 | 3 | 524 | 5.8 | 78 | 27.3 | 0.31 | 17.0 | 2.8 | -1.9 | 20.3 |
| 99B-38 | 0.5 | 17 | 2.3 | 9 | 101 | 12.3 | 24 | 7.5 | 0.66 | 38.8 | 11.7 | -1.7 | 4.3 |
| 99B-39 | 1.6 | 2 | 0.5 | 3 | 335 | 2.5 | 40 | 21.6 | 0.60 | 10.1 | 3.7 | -1.9 | 8.6 |
| 99B-40 | 0.5 | 3 | 0.5 | 4 | 539 | 2.5 | 33 | 34.1 | 0.52 | 6.6 | 3.6 | -1.9 | 13.7 |
| 99B-41-1 Field Duplicate | 1.2 | 9 | 2.8 | 9 | 258 | 6.6 | 40 | 20.3 | 0.35 | 29.6 | 8.0 | -2.0 | 8.4 |
| 99B-41-2 Field Duplicate | 1.5 | 12 | 4.3 | 8 | 230 | 6.7 | 36 | 17.3 | 0.15 | 26.5 | 7.5 | -2.0 | 8.0 |
| 99B-42 | 0.5 | 21 | 2.8 | 6 | 101 | 9.1 | 26 | 7.5 | 0.35 | 20.4 | 7.4 | -1.8 | 4.0 |
| 99B-43 | 0.5 | 31 | 2.3 | 6 | 80 | 2.5 | 35 | 17.1 | 0.72 | 12.1 | 10.4 | -1.8 | 3.2 |
| 99B-44 | 1.2 | 5 | 0.5 | 2 | 351 | 5.5 | 45 | 29.3 | 0.51 | 25.2 | 3.1 | -2.0 | 9.0 |

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-45 | 1.1 | 3 | 0.5 | 4 | 458 | 2.5 | 56 | 18.9 | 0.94 | 7.4 | 4.3 | -2.0 | 19.8 |
| 99B-46 | 0.5 | 4 | 0.5 | 5 | 362 | 2.5 | 36 | 28.3 | 0.15 | 11.1 | 10.2 | -2.0 | 8.8 |
| 99B-47 | 0.5 | 7 | 0.5 | 8 | 622 | 6.0 | 52 | 28.9 | 1.83 | 35.3 | 7.7 | -2.0 | 26.6 |
| 99B-48 | 0.5 | 16 | 3.0 | 10 | 108 | 9.4 | 19 | 23.0 | 0.39 | 46.9 | 13.9 | -1.9 | 4.3 |
| 99B-49 | 3.6 | 3 | 1.3 | 4 | 220 | 2.5 | 38 | 7.5 | 0.72 | 14.8 | 4.1 | -2.0 | 9.6 |
| 99B-50 | 0.5 | 4 | 0.5 | 3 | 326 | 2.5 | 39 | 23.6 | 1.55 | 19.7 | 3.5 | -2.0 | 9.0 |
| 99B-51 | 4.8 | 3 | 1.7 | 8 | 30 | 2.5 | 2 | 7.5 | 0.15 | 18.9 | 27.8 | -0.8 | 2.2 |
| 99B-52 | 7.4 | 5 | 1.4 | 13 | 168 | 2.5 | 34 | 7.5 | 0.15 | 38.5 | 14.9 | -2.0 | 10.1 |
| 99B-53 | 4.9 | 6 | 0.5 | 10 | 327 | 2.5 | 57 | 7.5 | 0.15 | 32.9 | 12.8 | -2.0 | 17.5 |
| 99B-54 | 2.6 | 22 | 3.2 | 15 | 26 | 10.5 | 8 | 7.5 | 0.38 | 67.8 | 18.0 | -1.6 | 2.8 |
| 99B-55 | 5.7 | 9 | 2.3 | 17 | 242 | 5.6 | 36 | 7.5 | 0.34 | 54.6 | 21.5 | -2.0 | 10.2 |
| 99B-56 | 4.3 | 18 | 3.4 | 33 | 278 | 9.8 | 39 | 23.1 | 0.30 | 125.0 | 41.8 | -2.0 | 28.4 |
| 99B-57 | 5.9 | 15 | 2.4 | 23 | 132 | 5.9 | 24 | 7.5 | 0.15 | 81.3 | 29.2 | -2.0 | 6.6 |
| 99B-58 | 1.9 | 21 | 3.9 | 15 | 25 | 10.2 | 8 | 7.5 | 0.35 | 62.7 | 17.2 | -1.6 | 2.4 |
| 99B-59 | 2.1 | 8 | 1.1 | 12 | 195 | 2.5 | 25 | 7.5 | 0.15 | 42.0 | 15.8 | -2.0 | 13.0 |
| 99B-62 | 3.0 | 16 | 3.2 | 25 | 153 | 5.8 | 35 | 7.5 | 0.15 | 90.8 | 32.1 | -2.0 | 6.3 |
| 99B-63 | 3.8 | 13 | 2.0 | 22 | 195 | 2.5 | 31 | 7.5 | 0.15 | 61.4 | 25.1 | -2.0 | 8.6 |
| 99B-64 | 4.4 | 15 | 2.4 | 30 | 197 | 12.3 | 43 | 19.4 | 0.32 | 118.4 | 37.8 | -2.0 | 10.8 |
| 99B-65 | 5.4 | 23 | 3.1 | 38 | 145 | 21.3 | 51 | 15.3 | 0.71 | 109.1 | 46.7 | -2.0 | 9.5 |
| 99B-66 | 3.7 | 41 | 8.0 | 37 | 96 | 12.9 | 24 | 18.7 | 0.34 | 121.2 | 44.3 | -2.0 | 6.4 |
| 99B-67 | 3.5 | 17 | 4.1 | 25 | 205 | 8.4 | 37 | 20.6 | 0.15 | 96.3 | 33.6 | -2.0 | 11.6 |
| 99B-68 | 2.4 | 11 | 2.3 | 17 | 181 | 2.5 | 34 | 7.5 | 0.31 | 55.0 | 21.0 | -2.0 | 7.4 |
| 99B-69 | 2.6 | 4 | 0.5 | 10 | 124 | 2.5 | 19 | 7.5 | 0.15 | 39.0 | 14.0 | -2.0 | 4.6 |
| 99B-70-1 Field Duplicate | 2.4 | 18 | 1.7 | 19 | 143 | 2.5 | 27 | 7.5 | 0.41 | 54.4 | 20.9 | -2.0 | 6.8 |
| 99B-70-2 Field Duplicate | 1.7 | 40 | 4.0 | 33 | 76 | 9.3 | 18 | 7.5 | 0.54 | 101.9 | 34.3 | -1.9 | 5.4 |
| 99B-71 | 3.0 | 22 | 5.0 | 34 | 199 | 26.9 | 50 | 24.4 | 0.15 | 116.9 | 44.0 | -2.0 | 11.0 |
| 99B-72 | 1.6 | 13 | 2.5 | 20 | 83 | 7.1 | 14 | 7.5 | 0.30 | 72.2 | 24.6 | -2.0 | 4.9 |
| 99B-73 | 1.7 | 8 | 1.5 | 14 | 156 | 2.5 | 24 | 7.5 | 0.15 | 45.2 | 17.4 | -2.0 | 7.7 |
| 99B-74 | 2.0 | 13 | 2.8 | 23 | 273 | 9.1 | 36 | 21.3 | 0.32 | 90.1 | 28.0 | -2.0 | 22.2 |
| 99B-75 | 1.5 | 9 | 1.6 | 19 | 324 | 8.3 | 48 | 7.5 | 0.15 | 70.2 | 22.1 | -2.0 | 22.3 |
| 99B-76 | 2.0 | 16 | 3.6 | 23 | 344 | 11.0 | 51 | 7.5 | 0.47 | 88.4 | 28.4 | -2.0 | 22.4 |
| 99B-77 | 2.1 | 13 | 2.7 | 25 | 282 | 9.7 | 37 | 19.3 | 0.37 | 93.7 | 29.3 | -2.0 | 19.7 |
| 99B-78 | 1.9 | 5 | 1.0 | 4 | 268 | 2.5 | 40 | 7.5 | 0.15 | 8.4 | 5.5 | -2.0 | 16.6 |
| 99B-79 | 4.7 | 13 | 1.7 | 20 | 177 | 2.5 | 26 | 7.5 | 0.15 | 61.6 | 22.0 | -2.0 | 8.4 |
| 99B-80 | 1.4 | 38 | 4.3 | 31 | 84 | 19.5 | 25 | 16.7 | 0.71 | 104.1 | 35.0 | -2.0 | 6.1 |
| 99B-81 | 1.3 | 4 | 0.5 | 3 | 393 | 2.5 | 84 | 7.5 | 0.65 | 5.5 | 3.6 | -1.9 | 13.4 |
| 99B-82-1 Field Duplicate | 0.5 | 4 | 0.5 | 6 | 268 | 2.5 | 41 | 7.5 | 0.32 | 21.5 | 8.0 | -1.9 | 18.9 |
| 99B-82-2 Field Duplicate | 0.5 | 3 | 0.5 | 6 | 183 | 2.5 | 22 | 7.5 | 0.15 | 24.0 | 7.8 | -1.9 | 19.7 |
| 99B-83 | 0.5 | 4 | 0.5 | 7 | 182 | 2.5 | 26 | 7.5 | 0.30 | 9.5 | 10.7 | -1.9 | 4.6 |
| 99B-84 | 0.5 | 4 | 1.2 | 6 | 210 | 2.5 | 23 | 7.5 | 0.15 | 24.2 | 9.5 | -1.9 | 21.5 |
| 99B-85 | 0.5 | 2 | 0.5 | 5 | 141 | 2.5 | 18 | 7.5 | 0.15 | 13.5 | 7.2 | -1.9 | 9.5 |
| 99B-86 | 1.4 | 11 | 0.5 | 11 | 160 | 2.5 | 21 | 7.5 | 0.15 | 45.4 | 14.4 | -1.9 | 7.4 |
| 99B-87 | 2.2 | 10 | 1.8 | 20 | 183 | 8.1 | 27 | 7.5 | 0.15 | 73.9 | 21.3 | -1.9 | 9.8 |
| 99B-88 | 1.0 | 14 | 2.1 | 16 | 62 | 8.4 | 17 | 7.5 | 0.15 | 57.6 | 16.1 | -1.9 | 5.3 |
| 99B-89 | 1.6 | 15 | 3.1 | 29 | 168 | 11.8 | 34 | 20.8 | 0.15 | 112.0 | 33.8 | -1.9 | 8.4 |
| 99B-90 | 1.6 | 2 | 0.5 | 4 | 325 | 2.5 | 32 | 7.5 | 0.15 | 9.4 | 4.4 | -1.9 | 22.1 |
| 99B-91 | 1.0 | 7 | 1.4 | 14 | 112 | 6.0 | 28 | 7.5 | 0.57 | 51.8 | 18.0 | -1.9 | 6.9 |
| 99B-93 | 0.5 | 18 | 2.9 | 22 | 110 | 13.4 | 23 | 7.5 | 0.64 | 71.9 | 24.1 | -1.9 | 7.2 |
| 99B-94 | 0.5 | 15 | 1.8 | 11 | 39 | 2.5 | 9 | 7.5 | 0.15 | 27.0 | 22.0 | -1.8 | 3.3 |
| 99B-95 | 1.2 | 12 | 2.4 | 19 | 315 | 7.1 | 46 | 21.5 | 0.36 | 72.8 | 24.2 | -1.9 | 30.0 |
| 99B-96 | 0.5 | 24 | 5.3 | 18 | 43 | 8.2 | 13 | 19.4 | 0.88 | 63.9 | 27.1 | -1.1 | 3.2 |

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-97 | 1.2 | 13 | 2.1 | 22 | 255 | 8.1 | 41 | 16.9 | 0.37 | 79.5 | 27.7 | -1.9 | 12.2 |
| 99B-98 | 6.1 | 2 | 0.5 | 2 | 412 | 5.4 | 58 | 41.5 | 1.83 | 22.3 | 2.4 | -1.9 | 11.8 |
| 99B-99 | 4.5 | 2 | 0.5 | 2 | 526 | 10.8 | 60 | 41.9 | 0.52 | 37.3 | 2.7 | -1.9 | 29.7 |
| 99B-100 | 3.6 | 1 | 0.5 | 6 | 50 | 2.5 | 6 | 44.1 | 2.21 | 12.2 | 16.2 | -1.8 | 2.2 |
| 99B-101-1 Field Duplicate | 2.3 | 4 | 0.5 | 5 | 109 | 9.5 | 30 | 7.5 | 0.51 | 29.9 | 6.1 | -2.0 | 4.1 |
| 99B-101-2 Field Duplicate | 3.0 | 2 | 0.5 | 3 | 352 | 7.9 | 60 | 7.5 | 0.55 | 26.0 | 4.3 | -2.0 | 10.0 |
| 99B-102 | 6.4 | 2 | 0.5 | 2 | 444 | 8.5 | 60 | 20.0 | 1.36 | 21.7 | 3.1 | -2.0 | 14.1 |
| 99B-103 | 3.6 | 11 | 2.1 | 6 | 123 | 10.0 | 34 | 27.1 | 1.46 | 31.5 | 8.1 | -1.9 | 6.1 |
| 99B-104 | 3.8 | 1 | 0.5 | 3 | 439 | 7.1 | 74 | 17.3 | 1.45 | 26.4 | 3.8 | -2.0 | 12.3 |
| 99B-105 | 2.2 | 2 | 0.5 | 2 | 466 | 5.1 | 55 | 34.3 | 0.45 | 27.3 | 3.1 | -2.0 | 28.0 |
| 99B-106 | 6.6 | 2 | 0.5 | 1 | 393 | 2.5 | 33 | 21.5 | 0.43 | 14.5 | 2.1 | -2.0 | 11.8 |
| 99B-107 | 2.5 | 1 | 0.5 | 2 | 501 | 2.5 | 51 | 32.9 | 0.15 | 21.4 | 2.7 | -2.0 | 27.0 |
| 99B-108 | 1.8 | 2 | 0.5 | 3 | 525 | 2.5 | 44 | 38.2 | 0.77 | 9.7 | 2.4 | -2.0 | 20.5 |
| 99B-109 | 4.3 | 2 | 0.5 | 2 | 465 | 7.7 | 57 | 26.9 | 0.77 | 30.0 | 3.1 | -2.0 | 19.4 |
| 99B-110 | 2.5 | 2 | 0.5 | 3 | 494 | 11.2 | 64 | 21.4 | 0.54 | 30.8 | 3.7 | -2.0 | 26.2 |
| 99B-111 | 2.1 | 2 | 0.5 | 2 | 454 | 2.5 | 25 | 31.6 | 0.37 | 7.4 | 2.4 | -2.0 | 17.2 |
| 99B-112 | 3.2 | 1 | 1.0 | 4 | 564 | 7.7 | 44 | 16.1 | 0.89 | 18.1 | 2.2 | -2.0 | 26.9 |
| 99B-113 | 4.0 | 2 | 0.5 | 2 | 452 | 9.1 | 61 | 31.5 | 0.38 | 16.9 | 2.1 | -2.0 | 19.1 |
| 99B-114 | 3.7 | 3 | 0.5 | 2 | 395 | 9.4 | 56 | 25.8 | 0.39 | 26.0 | 2.5 | -2.0 | 13.5 |
| 99B-115 | 2.1 | 2 | 0.5 | 3 | 403 | 2.5 | 57 | 26.2 | 0.37 | 14.6 | 2.8 | -2.0 | 20.4 |
| 99B-116 | 4.2 | 2 | 0.5 | 2 | 272 | 2.5 | 42 | 7.5 | 1.15 | 19.1 | 2.3 | -2.0 | 7.7 |
| 99B-117 | 2.9 | 2 | 0.5 | 3 | 325 | 5.6 | 50 | 22.1 | 1.71 | 21.2 | 3.4 | -2.0 | 10.4 |
| 99B-118 | 1.5 | 4 | 0.5 | 6 | 140 | 9.3 | 25 | 19.5 | 1.39 | 36.0 | 8.8 | -2.0 | 6.2 |
| 99B-119 | 0.5 | 5 | 1.0 | 6 | 81 | 12.4 | 18 | 15.7 | 1.08 | 34.4 | 8.0 | -1.8 | 2.9 |
| 99B-120 | 3.4 | 2 | 0.5 | 3 | 518 | 10.5 | 60 | 23.6 | 0.80 | 30.3 | 3.9 | -2.0 | 15.7 |
| 99B-121 | 2.8 | 3 | 0.5 | 3 | 278 | 6.2 | 51 | 27.0 | 1.73 | 31.5 | 5.1 | -2.0 | 8.5 |
| 99B-122 | 1.3 | 3 | 0.5 | 3 | 624 | 6.1 | 68 | 41.5 | 0.81 | 25.1 | 2.1 | -2.0 | 24.2 |
| 99B-123 | 2.0 | 1 | 0.5 | 2 | 529 | 10.9 | 64 | 27.7 | 0.89 | 34.1 | 2.4 | -2.0 | 26.0 |
| 99B-124-1 Field Duplicate | 2.3 | 2 | 0.5 | 3 | 630 | 2.5 | 62 | 34.9 | 0.92 | 19.2 | 3.6 | -2.0 | 22.2 |
| 99B-124-2 Field Duplicate | 3.1 | 2 | 0.5 | 4 | 543 | 2.5 | 55 | 33.9 | 0.57 | 18.0 | 2.4 | -2.0 | 22.0 |
| 99B-125 | 1.4 | 2 | 0.5 | 4 | 622 | 2.5 | 49 | 35.9 | 0.58 | 9.8 | 2.3 | -2.0 | 18.4 |
| 99B-126 | 2.6 | 1 | 0.5 | 2 | 601 | 2.5 | 59 | 36.0 | 0.90 | 18.2 | 1.8 | -2.0 | 23.2 |
| 99B-127 | 1.3 | 2 | 0.5 | 3 | 556 | 2.5 | 67 | 28.2 | 0.64 | 23.1 | 3.3 | -2.0 | 24.1 |
| 99B-129 | 3.2 | 2 | 0.5 | 2 | 599 | 2.5 | 60 | 33.7 | 0.55 | 15.9 | 1.1 | -2.0 | 22.6 |
| 99B-131 | 1.5 | 2 | 0.5 | 2 | 537 | 9.6 | 52 | 27.6 | 0.54 | 31.2 | 2.2 | -2.0 | 26.1 |
| 99B-132 | 0.5 | 3 | 0.5 | 3 | 544 | 5.7 | 57 | 35.7 | 0.82 | 29.0 | 3.3 | -2.0 | 24.4 |
| 99B-133 | 1.7 | 4 | 0.5 | 5 | 534 | 15.0 | 61 | 25.8 | 1.62 | 37.5 | 5.8 | -2.0 | 22.5 |
| 99B-134 | 3.2 | 1 | 0.5 | 2 | 571 | 7.0 | 67 | 24.9 | 1.43 | 26.4 | 2.1 | -2.0 | 18.1 |
| 99B-135 | 2.7 | 2 | 0.5 | 2 | 604 | 6.6 | 62 | 26.5 | 0.15 | 26.0 | 2.1 | -2.0 | 27.5 |
| 99B-136 | 2.1 | 2 | 0.5 | 1 | 517 | 2.5 | 62 | 33.6 | 0.72 | 13.7 | 1.5 | -2.0 | 17.2 |
| 99B-137 | 1.5 | 3 | 0.5 | 2 | 465 | 16.0 | 61 | 29.6 | 0.40 | 36.8 | 2.7 | -2.0 | 21.1 |
| 99B-138 | 0.5 | 3 | 0.5 | 3 | 568 | 7.6 | 56 | 33.7 | 0.58 | 31.8 | 3.5 | -2.0 | 25.5 |
| 99B-139 | 3.0 | 2 | 0.5 | 4 | 608 | 6.0 | 69 | 29.9 | 1.08 | 22.6 | 2.0 | -2.0 | 19.8 |
| 99B-140 | 2.2 | 1 | 0.5 | 2 | 515 | 2.5 | 56 | 28.9 | 0.53 | 17.1 | 2.3 | -2.0 | 17.6 |
| 99B-141-1 Field Duplicate | 0.5 | 4 | 0.5 | 6 | 124 | 9.2 | 25 | 7.5 | 1.78 | 52.0 | 6.8 | -2.2 | 3.7 |
| 99B-141-2 Field Duplicate | 0.5 | 2 | 0.5 | 4 | 117 | 10.9 | 21 | 21.7 | 1.94 | 40.5 | 4.6 | -2.2 | 3.4 |
| 99B-142 | 2.1 | 3 | 0.5 | 2 | 632 | 5.6 | 72 | 27.1 | 0.77 | 18.6 | 3.1 | -2.3 | 14.5 |
| 99B-143 | 3.7 | 7 | 1.8 | 9 | 119 | 20.6 | 36 | 21.1 | 0.36 | 66.8 | 11.8 | -2.3 | 5.0 |
| 99B-144 | 2.9 | 2 | 0.5 | 3 | 556 | 6.5 | 68 | 34.9 | 1.12 | 30.5 | 2.7 | -2.3 | 24.8 |
| 99B-145 | 3.6 | 2 | 1.0 | 3 | 630 | 2.5 | 36 | 50.4 | 1.16 | 7.5 | 1.8 | -2.3 | 16.7 |
| 99B-146 | 2.2 | 2 | 0.5 | 5 | 474 | 17.5 | 71 | 29.9 | 0.49 | 48.2 | 6.4 | -2.3 | 20.6 |

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-147 | 4.4 | 2 | 0.5 | 4 | 484 | 2.5 | 54 | 31.2 | 0.33 | 17.9 | 4.8 | -2.3 | 13.5 |
| 99B-148 | 5.1 | 1 | 0.5 | 2 | 423 | 5.1 | 63 | 31.9 | 0.33 | 24.6 | 2.6 | -2.3 | 16.7 |
| 99B-149 | 3.5 | 2 | 0.5 | 2 | 464 | 2.5 | 48 | 52.3 | 0.70 | 17.2 | 3.1 | -2.3 | 19.2 |
| 99B-150 | 5.0 | 4 | 0.5 | 5 | 241 | 2.5 | 31 | 7.5 | 0.31 | 17.6 | 4.8 | -2.3 | 5.1 |
| 99B-151-1 Field Duplicate | 6.8 | 2 | 0.5 | 2 | 521 | 7.3 | 95 | 25.7 | 1.26 | 24.6 | 1.0 | -2.3 | 20.7 |
| 99B-151-2 Field Duplicate | 2.1 | 1 | 0.5 | 3 | 451 | 2.5 | 33 | 41.0 | 0.51 | 10.2 | 2.7 | -2.3 | 16.9 |
| 99B-152 | 2.9 | 4 | 0.5 | 5 | 354 | 2.5 | 44 | 29.7 | 0.15 | 21.9 | 6.5 | -2.3 | 12.7 |
| 99B-153 | 3.6 | 5 | 0.5 | 5 | 476 | 7.8 | 48 | 36.3 | 0.40 | 25.2 | 3.9 | -2.3 | 23.4 |
| 99B-154 | 1.9 | 2 | 0.5 | 5 | 461 | 2.5 | 39 | 35.1 | 0.15 | 22.5 | 6.3 | -2.3 | 19.2 |
| 99B-155 | 2.8 | 2 | 0.5 | 4 | 472 | 2.5 | 40 | 30.5 | 0.33 | 12.7 | 4.3 | -2.3 | 16.2 |
| 99B-156 | 2.6 | 2 | 0.5 | 3 | 433 | 2.5 | 33 | 35.1 | 0.49 | 13.1 | 2.8 | -2.3 | 18.2 |
| 99B-157 | 2.3 | 2 | 0.5 | 3 | 478 | 2.5 | 33 | 29.9 | 0.44 | 9.6 | 2.8 | -2.3 | 17.8 |
| 99B-201 | 3.1 | 13 | 1.5 | 7 | 143 | 6.5 | 28 | 7.5 | 1.45 | 36.1 | 9.2 | -2.3 | 5.2 |
| 99B-202 | 2.5 | 5 | 0.5 | 5 | 107 | 9.6 | 21 | 7.5 | 1.07 | 21.5 | 5.7 | -2.1 | 4.4 |
| 99B-203 | 3.6 | 3 | 0.5 | 2 | 484 | 7.3 | 53 | 26.2 | 0.74 | 30.1 | 2.2 | -2.3 | 26.3 |
| 99B-204 | 3.1 | 2 | 0.5 | 3 | 135 | 7.4 | 29 | 17.5 | 0.71 | 20.5 | 5.2 | -2.2 | 6.2 |
| 99B-205 | 3.3 | 3 | 0.5 | 5 | 460 | 9.1 | 59 | 31.6 | 0.31 | 33.8 | 3.1 | -2.3 | 27.0 |
| 99B-206 | 3.8 | 2 | 0.5 | 3 | 409 | 7.6 | 57 | 33.5 | 0.48 | 27.5 | 2.7 | -2.3 | 14.2 |
| 99B-207 | 6.2 | 7 | 0.5 | 3 | 186 | 2.5 | 44 | 15.2 | 0.70 | 17.3 | 4.8 | -2.3 | 7.2 |
| 99B-208 | 2.8 | 4 | 0.5 | 4 | 134 | 6.6 | 26 | 24.4 | 0.61 | 26.3 | 6.4 | -2.3 | 5.9 |
| 99B-209 | 2.0 | 3 | 0.5 | 3 | 157 | 15.5 | 42 | 17.5 | 1.96 | 33.4 | 4.9 | -2.3 | 8.7 |
| 99B-210 | 2.7 | 3 | 0.5 | 6 | 347 | 8.9 | 51 | 32.5 | 1.59 | 22.5 | 6.4 | -2.3 | 12.8 |
| 99B-211 | 2.2 | 4 | 0.5 | 5 | 230 | 19.4 | 42 | 7.5 | 0.91 | 33.6 | 6.2 | -2.3 | 8.5 |
| 99B-212 | 2.4 | 3 | 1.3 | 3 | 410 | 7.9 | 71 | 27.1 | 0.15 | 28.4 | 3.1 | -2.3 | 18.1 |
| 99B-213 | 1.7 | 5 | 1.2 | 5 | 118 | 10.5 | 23 | 17.2 | 1.39 | 28.6 | 5.9 | -2.2 | 5.1 |
| 99B-214 | 2.2 | 2 | 0.5 | 2 | 329 | 7.3 | 47 | 32.9 | 0.66 | 28.0 | 3.0 | -2.3 | 10.5 |
| 99B-215 | 1.4 | 3 | 0.5 | 5 | 489 | 2.5 | 31 | 51.1 | 1.29 | 11.8 | 4.1 | -2.3 | 13.5 |
| 99B-216 | 1.5 | 4 | 1.5 | 4 | 108 | 12.5 | 26 | 17.8 | 0.45 | 32.2 | 6.2 | -2.3 | 6.4 |
| 99B-217 | 1.4 | 7 | 1.1 | 10 | 115 | 9.2 | 21 | 22.6 | 1.01 | 62.1 | 12.5 | -2.3 | 5.2 |
| 99B-218 | 1.2 | 3 | 0.5 | 6 | 488 | 2.5 | 31 | 35.4 | 0.48 | 13.3 | 4.2 | -2.3 | 16.6 |
| 99B-219-1 Field Duplicate | 2.1 | 7 | 0.5 | 7 | 169 | 2.5 | 36 | 26.1 | 1.14 | 31.4 | 9.5 | -2.3 | 5.9 |
| 99B-219-2 Field Duplicate | 2.1 | 6 | 0.5 | 5 | 204 | 2.5 | 42 | 24.3 | 1.20 | 23.0 | 7.2 | -2.3 | 6.5 |
| 99B-220 | 1.2 | 6 | 1.0 | 5 | 177 | 12.6 | 36 | 24.5 | 1.69 | 44.8 | 6.0 | -2.3 | 7.6 |
| 99B-221 | 2.8 | 2 | 0.5 | 1 | 640 | 5.5 | 50 | 25.7 | 0.41 | 19.4 | 1.4 | -2.1 | 26.0 |
| 99B-222 | 1.5 | 2 | 0.5 | 1 | 529 | 9.9 | 58 | 33.1 | 0.47 | 34.1 | 1.8 | -2.1 | 27.9 |
| 99B-223 | 0.5 | 8 | 1.4 | 9 | 108 | 8.5 | 23 | 28.0 | 1.04 | 39.6 | 10.7 | -1.9 | 3.6 |
| 99B-224 | 2.0 | 2 | 0.5 | 2 | 280 | 2.5 | 34 | 21.2 | 1.10 | 29.2 | 3.0 | -2.1 | 9.1 |
| 99B-225 | 1.4 | 2 | 0.5 | 3 | 430 | 7.8 | 54 | 32.0 | 1.45 | 33.5 | 3.8 | -2.1 | 17.1 |
| 99B-226 | 2.1 | 2 | 0.5 | 2 | 432 | 7.1 | 55 | 7.5 | 0.99 | 20.6 | 2.5 | -2.1 | 11.7 |
| 99B-227 | 2.1 | 4 | 0.5 | 2 | 96 | 6.1 | 24 | 7.5 | 1.10 | 14.3 | 4.1 | -2.1 | 4.2 |
| 99B-228 | 0.5 | 5 | 1.2 | 4 | 110 | 7.7 | 21 | 32.3 | 0.15 | 28.5 | 5.8 | -2.0 | 5.3 |
| 99B-229 | 2.9 | 3 | 0.5 | 2 | 518 | 14.4 | 56 | 25.3 | 0.15 | 17.6 | 2.4 | -2.1 | 24.5 |
| 99B-230-1 Field Duplicate | 4.1 | 11 | 1.2 | 9 | 120 | 12.0 | 26 | 7.5 | 0.83 | 39.1 | 10.5 | -2.0 | 4.9 |
| 99B-230-2 Field Duplicate | 5.0 | 11 | 1.4 | 6 | 126 | 10.5 | 25 | 7.5 | 1.46 | 33.2 | 7.0 | -2.0 | 5.9 |
| 99B-231 | 3.5 | 6 | 1.4 | 7 | 103 | 12.9 | 23 | 20.4 | 0.34 | 43.5 | 8.8 | -2.0 | 4.5 |
| 99B-232 | 7.2 | 3 | 0.5 | 3 | 435 | 9.3 | 53 | 7.5 | 1.13 | 27.7 | 3.4 | -2.1 | 13.8 |
| 99B-233 | 5.5 | 12 | 1.2 | 7 | 152 | 6.7 | 36 | 7.5 | 1.87 | 35.9 | 10.9 | -2.1 | 6.4 |
| 99B-234 | 4.7 | 21 | 2.1 | 5 | 114 | 6.4 | 33 | 15.3 | 1.59 | 19.0 | 7.5 | -1.8 | 5.7 |
| 99B-235 | 3.6 | 6 | 1.1 | 10 | 181 | 11.3 | 32 | 18.3 | 1.81 | 47.2 | 10.5 | -2.1 | 7.1 |
| 99B-236 | 3.9 | 11 | 3.6 | 17 | 140 | 14.6 | 36 | 7.5 | 0.41 | 55.7 | 19.7 | -2.0 | 6.1 |
| 99B-237 | 6.3 | 3 | 0.5 | 1 | 500 | 11.4 | 49 | 15.3 | 0.66 | 22.9 | 1.5 | -2.1 | 23.0 |

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-238 | 4.5 | 2 | 0.5 | 3 | 500 | 13.5 | 67 | 7.5 | 1.02 | 36.8 | 3.2 | -2.1 | 21.9 |
| 99B-239 | 4.9 | 2 | 0.5 | 3 | 390 | 9.6 | 50 | 20.8 | 0.72 | 28.1 | 4.3 | -2.1 | 12.6 |
| 99B-240 | 5.0 | 2 | 0.5 | 2 | 375 | 7.2 | 49 | 16.7 | 0.54 | 18.5 | 2.5 | -2.1 | 12.8 |
| 99B-241 | 3.0 | 4 | 0.5 | 3 | 168 | 8.8 | 37 | 7.5 | 1.51 | 39.2 | 4.0 | -2.1 | 6.8 |
| 99B-242 | 1.8 | 15 | 2.4 | 9 | 93 | 18.9 | 24 | 7.5 | 0.70 | 27.4 | 7.9 | -1.6 | 4.7 |
| 99B-243 | 3.1 | 7 | 1.3 | 6 | 147 | 14.7 | 26 | 7.5 | 0.76 | 42.7 | 6.3 | -2.1 | 6.8 |
| 99B-244 | 5.6 | 3 | 0.5 | 2 | 476 | 10.0 | 61 | 24.3 | 1.10 | 32.9 | 2.3 | -2.1 | 15.8 |
| 99B-245 | 3.7 | 3 | 1.1 | 3 | 365 | 11.9 | 50 | 23.0 | 0.52 | 40.4 | 4.0 | -2.1 | 10.6 |
| 99B-246 | 3.7 | 3 | 0.5 | 4 | 178 | 11.2 | 35 | 7.5 | 0.15 | 38.2 | 7.5 | -2.1 | 6.6 |
| 99B-247 | 2.1 | 12 | 1.7 | 6 | 109 | 11.3 | 23 | 28.1 | 0.51 | 45.7 | 7.7 | -2.0 | 5.5 |
| 99B-248-1 Field Duplicate | 3.8 | 4 | 0.5 | 2 | 592 | 5.3 | 66 | 26.3 | 0.78 | 23.6 | 2.3 | -2.1 | 23.4 |
| 99B-248-2 Field Duplicate | 3.6 | 3 | 0.5 | 2 | 619 | 2.5 | 56 | 25.1 | 0.71 | 12.0 | 2.0 | -2.1 | 21.1 |
| 99B-249 | 4.8 | 3 | 0.5 | 2 | 544 | 8.6 | 54 | 28.1 | 0.68 | 28.0 | 2.1 | -2.1 | 20.4 |
| 99B-250 | 1.9 | 14 | 0.5 | 8 | 146 | 11.3 | 27 | 20.3 | 0.99 | 44.7 | 9.5 | -2.1 | 6.0 |
| 99B-251 | 2.9 | 8 | 1.1 | 5 | 210 | 9.9 | 36 | 18.6 | 1.10 | 41.3 | 5.9 | -2.1 | 7.9 |
| 99B-252 | 2.5 | 4 | 0.5 | 3 | 348 | 17.5 | 47 | 21.8 | 0.33 | 39.6 | 3.7 | -2.1 | 11.4 |
| 99B-253 | 4.0 | 2 | 0.5 | 2 | 243 | 2.5 | 53 | 30.8 | 1.10 | 16.9 | 3.7 | -2.1 | 8.3 |
| 99B-254 | 3.6 | 5 | 0.5 | 4 | 454 | 7.3 | 50 | 31.1 | 0.56 | 21.6 | 3.2 | -2.1 | 16.1 |
| 99B-255 | 1.6 | 28 | 3.4 | 12 | 104 | 12.3 | 21 | 31.6 | 0.33 | 37.1 | 12.1 | -1.6 | 4.4 |
| 99B-256 | 2.8 | 6 | 0.5 | 2 | 496 | 10.1 | 53 | 26.6 | 1.44 | 34.6 | 2.7 | -2.1 | 21.1 |
| 99B-257 | 1.2 | 8 | 1.1 | 6 | 127 | 8.6 | 22 | 20.1 | 1.70 | 53.5 | 7.5 | -2.1 | 5.3 |
| 99B-258 | 2.7 | 3 | 0.5 | 3 | 526 | 9.8 | 59 | 19.7 | 1.00 | 31.4 | 3.3 | -2.1 | 20.3 |
| 99B-259 | 1.4 | 4 | 0.5 | 5 | 215 | 10.6 | 35 | 24.1 | 2.62 | 46.5 | 5.9 | -2.2 | 7.4 |
| 99B-260 | 1.2 | 6 | 0.5 | 4 | 157 | 8.7 | 36 | 7.5 | 1.63 | 42.7 | 5.2 | -2.2 | 4.9 |
| 99B-261 | 2.0 | 12 | 0.5 | 7 | 227 | 6.3 | 34 | 25.9 | 4.24 | 29.9 | 10.6 | -2.1 | 7.3 |
| 99B-262 | 1.5 | 5 | 0.5 | 3 | 606 | 2.5 | 54 | 36.5 | 0.53 | 23.4 | 3.8 | -2.2 | 22.3 |
| 99B-263 | 2.7 | 7 | 1.2 | 4 | 221 | 6.0 | 37 | 29.4 | 1.31 | 27.8 | 7.1 | -2.2 | 6.9 |
| 99B-264 | 1.6 | 6 | 1.6 | 3 | 100 | 5.2 | 23 | 7.5 | 0.79 | 20.6 | 5.0 | -2.2 | 4.0 |
| 99B-265 | 2.2 | 3 | 0.5 | 2 | 348 | 2.5 | 73 | 23.8 | 2.14 | 26.6 | 2.8 | -2.2 | 10.2 |
| 99B-266 | 1.4 | 2 | 0.5 | 2 | 276 | 2.5 | 26 | 26.3 | 0.43 | 6.6 | 2.2 | -2.2 | 4.3 |
| 99B-267 | 2.3 | 17 | 2.8 | 22 | 149 | 6.8 | 28 | 36.4 | 1.34 | 42.4 | 24.8 | -1.5 | 5.1 |
| 99B-268 | 2.1 | 5 | 1.4 | 3 | 419 | 8.7 | 54 | 7.5 | 0.77 | 19.6 | 3.2 | -2.2 | 12.6 |
| 99B-269 | 2.0 | 4 | 1.1 | 3 | 302 | 5.8 | 58 | 7.5 | 1.63 | 23.0 | 3.1 | -2.2 | 8.0 |
| 99B-270 | 1.5 | 3 | 0.5 | 3 | 577 | 8.0 | 69 | 25.7 | 0.31 | 36.5 | 4.1 | -2.2 | 24.2 |
| 99B-271 | 1.6 | 3 | 0.5 | 3 | 467 | 2.5 | 46 | 32.9 | 1.28 | 6.0 | 3.4 | -2.2 | 6.4 |
| 99B-272 | 1.7 | 4 | 0.5 | 3 | 369 | 2.5 | 70 | 16.2 | 1.76 | 19.2 | 4.4 | -2.2 | 7.1 |
| 99B-273 | 1.5 | 3 | 0.5 | 3 | 521 | 2.5 | 53 | 16.9 | 0.59 | 19.9 | 3.2 | -2.2 | 15.9 |
| 99B-274 | 8.8 | 1 | 0.5 | 3 | 409 | 2.5 | 49 | 36.1 | 1.41 | 6.5 | 3.4 | -2.2 | 7.8 |
| 99B-275 | 14.4 | 7 | 1.0 | 6 | 219 | 2.5 | 42 | 26.6 | 1.19 | 20.8 | 7.8 | -2.2 | 6.3 |
| 99B-276-1 Field Duplicate | 8.9 | 13 | 1.7 | 5 | 92 | 2.5 | 18 | 27.2 | 1.29 | 24.1 | 12.4 | -2.1 | 3.0 |
| 99B-276-2 Field Duplicate | 7.7 | 12 | 2.3 | 5 | 87 | 2.5 | 18 | 22.5 | 1.25 | 18.0 | 9.2 | -2.1 | 2.9 |
| 99B-277 | 6.2 | 6 | 1.0 | 7 | 231 | 14.2 | 38 | 28.2 | 1.24 | 51.6 | 10.4 | -2.2 | 6.8 |
| 99B-278 | 6.0 | 4 | 0.5 | 6 | 526 | 5.5 | 60 | 30.3 | 0.43 | 22.7 | 3.7 | -2.2 | 22.4 |
| 99B-279 | 5.3 | 4 | 0.5 | 7 | 213 | 5.3 | 43 | 16.6 | 2.20 | 38.1 | 8.7 | -2.2 | 6.3 |
| 99B-280 | 7.1 | 11 | 0.5 | 6 | 125 | 8.0 | 18 | 26.6 | 0.43 | 31.6 | 7.9 | -2.1 | 5.7 |
| 99B-281 | 6.0 | 40 | 4.3 | 14 | 95 | 6.3 | 24 | 20.0 | 0.86 | 33.4 | 17.4 | -1.5 | 3.5 |
| 99B-282 | 6.5 | 17 | 2.5 | 7 | 148 | 2.5 | 32 | 22.2 | 1.91 | 31.8 | 12.7 | -2.1 | 5.4 |
| 99B-283 | 6.7 | 6 | 0.5 | 6 | 97 | 2.5 | 21 | 28.7 | 0.38 | 10.4 | 8.7 | -2.0 | 3.4 |
| 99B-285 | 4.1 | 6 | 0.5 | 5 | 406 | 53.2 | 59 | 42.1 | 0.15 | 35.8 | 5.6 | -2.2 | 28.5 |
| 99B-286 | 4.1 | 22 | 2.2 | 4 | 93 | 7.4 | 23 | 17.0 | 1.13 | 24.7 | 6.4 | -1.9 | 4.1 |
| 99B-287 | 8.0 | 4 | 0.5 | 4 | 471 | 2.5 | 41 | 17.2 | 0.41 | 18.3 | 6.8 | -2.2 | 11.4 |

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-288 | 1.7 | 2 | 0.5 | 3 | 438 | 2.5 | 30 | 35.0 | 0.67 | 14.6 | 3.3 | -2.2 | 17.8 |
| 99B-289 | 5.5 | 7 | 1.2 | 3 | 183 | 5.3 | 34 | 19.1 | 0.83 | 19.2 | 4.9 | -2.2 | 6.3 |
| 99B-290 | 5.2 | 4 | 0.5 | 4 | 548 | 7.1 | 71 | 17.7 | 0.60 | 27.9 | 4.5 | -2.2 | 25.2 |
| 99B-291 | 2.2 | 23 | 3.1 | 10 | 91 | 12.2 | 20 | 20.9 | 0.36 | 44.8 | 12.2 | -2.0 | 3.5 |
| 99B-292-1 Field Duplicate | 5.8 | 4 | 0.5 | 4 | 529 | 8.5 | 52 | 47.1 | 0.63 | 28.4 | 3.3 | -2.2 | 18.2 |
| 99B-292-2 Field Duplicate | 4.4 | 5 | 0.5 | 2 | 584 | 7.3 | 53 | 35.1 | 0.51 | 28.1 | 2.1 | -2.2 | 27.5 |
| 99B-293 | 7.7 | 19 | 1.9 | 7 | 1365 | 10.6 | 219 | 32.4 | 3.68 | 40.6 | 9.6 | -2.2 | 22.3 |
| 99B-294 | 4.8 | 12 | 1.8 | 7 | 182 | 15.6 | 32 | 25.5 | 1.20 | 42.7 | 10.1 | -2.1 | 7.3 |
| 99B-295 | 7.4 | 7 | 0.5 | 3 | 584 | 8.8 | 69 | 28.5 | 0.31 | 27.2 | 2.9 | -2.2 | 23.0 |
| 99B-296 | 1.0 | 13 | 1.3 | 3 | 391 | 7.1 | 48 | 30.6 | 1.61 | 35.0 | 2.9 | -2.2 | 11.8 |
| 99B-297 | 2.9 | 3 | 0.5 | 2 | 470 | 2.5 | 43 | 48.6 | 0.42 | 8.9 | 2.7 | -2.2 | 14.0 |
| 99B-298 | 2.7 | 3 | 0.5 | 3 | 503 | 5.7 | 44 | 45.3 | 0.15 | 24.1 | 2.6 | -2.2 | 23.3 |
| 99B-299 | 1.9 | 7 | 1.1 | 8 | 160 | 21.3 | 30 | 30.8 | 2.05 | 35.1 | 11.2 | -2.1 | 6.9 |
| 99B-300 | 2.0 | 4 | 0.5 | 3 | 260 | 10.5 | 40 | 24.3 | 0.78 | 33.7 | 3.7 | -2.2 | 8.5 |
| 99B-301 | 2.3 | 2 | 0.5 | 3 | 546 | 7.5 | 59 | 23.8 | 1.09 | 27.8 | 3.4 | -2.2 | 24.2 |
| 99B-302 | 2.1 | 4 | 0.5 | 4 | 407 | 2.5 | 31 | 20.6 | 0.31 | 14.1 | 4.8 | -2.2 | 11.3 |
| 99B-303 | 2.0 | 2 | 0.5 | 2 | 469 | 5.6 | 48 | 34.9 | 0.15 | 18.9 | 3.8 | -2.2 | 17.0 |
| 99B-304 | 1.1 | 3 | 0.5 | 4 | 478 | 2.5 | 33 | 30.1 | 0.41 | 17.4 | 4.3 | -2.2 | 16.6 |
| 99B-305 | 3.4 | 7 | 0.5 | 8 | 314 | 14.9 | 46 | 29.6 | 0.87 | 26.5 | 7.5 | -2.2 | 10.9 |
| 99B-306 | 1.1 | 18 | 2.2 | 7 | 117 | 14.0 | 24 | 28.4 | 0.15 | 36.7 | 8.3 | -2.0 | 4.9 |
| 99B-307 | 4.2 | 25 | 3.1 | 19 | 169 | 19.1 | 31 | 24.4 | 0.58 | 24.1 | 17.2 | -1.9 | 6.9 |
| 99B-308 | 1.6 | 9 | 1.4 | 5 | 88 | 2.5 | 19 | 40.0 | 0.15 | 9.9 | 8.7 | -1.8 | 2.5 |
| 99B-309 | 1.6 | 6 | 0.5 | 3 | 484 | 11.6 | 86 | 7.5 | 0.15 | 14.9 | 3.4 | -2.1 | 21.6 |
| 99B-310 | 3.1 | 6 | 0.5 | 3 | 552 | 29.1 | 77 | 28.4 | 0.72 | 27.8 | 2.9 | -2.1 | 20.1 |
| 99B-311 | 1.1 | 4 | 0.5 | 2 | 472 | 2.5 | 34 | 27.5 | 0.15 | 3.6 | 0.8 | -2.1 | 7.5 |
| 99B-312 | 0.5 | 4 | 0.5 | 7 | 184 | 9.0 | 30 | 34.6 | 1.32 | 38.3 | 7.9 | -2.1 | 6.9 |
| 99B-313 | 1.6 | 32 | 3.6 | 11 | 109 | 13.3 | 23 | 29.1 | 0.42 | 33.3 | 11.8 | -1.8 | 3.9 |
| 99B-314-1 Field Duplicate | 1.3 | 6 | 1.0 | 3 | 525 | 12.8 | 57 | 17.9 | 0.76 | 30.9 | 3.7 | -2.1 | 22.4 |
| 99B-314-2 Field Duplicate | 0.5 | 6 | 0.5 | 4 | 182 | 13.0 | 36 | 7.5 | 1.47 | 37.3 | 5.7 | -2.1 | 6.2 |
| 99B-315 | 0.5 | 3 | 0.5 | 3 | 443 | 8.4 | 48 | 27.4 | 0.52 | 31.5 | 3.2 | -2.1 | 21.5 |
| 99B-316 | 1.1 | 3 | 3.3 | 3 | 437 | 15.3 | 70 | 19.3 | 0.53 | 29.5 | 3.6 | -2.1 | 15.5 |
| 99B-318 | 0.5 | 6 | 1.6 | 8 | 100 | 10.0 | 18 | 24.7 | 0.66 | 46.2 | 7.7 | -2.1 | 3.1 |
| 99B-319 | 12.4 | 11 | 2.0 | 6 | 131 | 8.3 | 23 | 7.5 | 1.84 | 37.1 | 8.8 | -2.1 | 4.6 |
| 99B-320 | 9.8 | 5 | 0.5 | 5 | 404 | 6.7 | 51 | 26.2 | 0.15 | 30.6 | 5.9 | -2.1 | 14.4 |
| 99B-322 | 11.5 | 2 | 1.6 | 2 | 445 | 8.2 | 55 | 21.5 | 0.70 | 31.3 | 3.1 | -2.1 | 12.5 |
| 99B-323 | 6.4 | 14 | 2.6 | 10 | 117 | 11.4 | 23 | 22.8 | 1.26 | 51.6 | 13.1 | -2.1 | 3.0 |
| 99B-324 | 6.3 | 4 | 0.5 | 4 | 168 | 11.8 | 31 | 7.5 | 1.16 | 43.7 | 5.9 | -2.1 | 6.1 |
| 99B-325 | 8.1 | 3 | 0.5 | 4 | 236 | 6.6 | 40 | 23.4 | 0.56 | 31.9 | 6.6 | -2.1 | 5.8 |
| 99B-326 | 7.1 | 13 | 1.9 | 6 | 131 | 8.4 | 27 | 26.4 | 0.15 | 31.7 | 8.8 | -2.0 | 4.6 |
| 99B-327 | 6.1 | 6 | 1.1 | 4 | 163 | 6.6 | 28 | 17.8 | 2.07 | 41.9 | 7.4 | -2.1 | 6.1 |
| 99B-328 | 8.1 | 3 | 0.5 | 3 | 195 | 2.5 | 36 | 38.3 | 0.38 | 33.4 | 5.0 | -2.1 | 6.4 |
| 99B-329-1 Field Duplicate | 5.5 | 2 | 0.5 | 2 | 466 | 10.3 | 57 | 23.7 | 1.30 | 35.9 | 2.5 | -2.1 | 14.1 |
| 99B-329-2 Field Duplicate | 5.1 | 2 | 0.5 | 3 | 527 | 9.0 | 64 | 27.1 | 1.31 | 34.9 | 3.5 | -2.1 | 20.8 |
| 99B-330 | 4.3 | 6 | 3.5 | 7 | 132 | 16.6 | 35 | 19.1 | 0.94 | 45.7 | 6.9 | -2.1 | 6.5 |
| 99B-331 | 4.7 | 4 | 1.3 | 4 | 232 | 18.0 | 42 | 22.0 | 0.85 | 47.9 | 4.8 | -2.1 | 8.4 |
| 99B-332 | 5.1 | 5 | 1.5 | 3 | 172 | 9.6 | 32 | 7.5 | 1.29 | 37.7 | 6.0 | -2.1 | 6.8 |
| 99B-333 | 3.0 | 10 | 2.3 | 7 | 111 | 11.6 | 21 | 18.2 | 1.21 | 52.0 | 9.6 | -2.1 | 4.4 |
| 99B-334 | 5.3 | 9 | 1.5 | 5 | 93 | 2.5 | 18 | 27.5 | 1.18 | 12.5 | 7.5 | -2.1 | 2.6 |
| 99B-335 | 2.8 | 11 | 2.0 | 16 | 152 | 18.9 | 38 | 18.2 | 0.31 | 89.7 | 21.0 | -2.1 | 5.7 |
| 99B-337 | 2.9 | 5 | 1.3 | 4 | 131 | 11.5 | 26 | 17.9 | 0.61 | 39.7 | 6.0 | -2.1 | 5.9 |
| 99B-338 | 3.6 | 2 | 0.5 | 2 | 447 | 6.6 | 70 | 24.3 | 0.71 | 27.4 | 2.2 | -2.1 | 23.0 |

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-339 | 2.2 | 2 | 0.5 | 3 | 318 | 11.4 | 46 | 7.5 | 1.70 | 42.0 | 3.9 | -2.1 | 8.0 |
| 99B-340 | 1.6 | 7 | 1.5 | 6 | 99 | 9.7 | 20 | 29.0 | 0.51 | 40.3 | 8.0 | -2.0 | 4.1 |
| 99B-341 | 3.7 | 5 | 0.5 | 3 | 245 | 5.6 | 53 | 22.0 | 1.59 | 40.8 | 4.7 | -2.1 | 9.0 |
| 99B-342 | 35.4 | 28 | 2.7 | 13 | 1842 | 6.9 | 111 | 30.0 | 2.08 | 72.1 | 18.0 | -2.1 | 23.6 |
| 99B-343 | 11.6 | 3 | 1.3 | 5 | 524 | 10.0 | 65 | 21.4 | 1.32 | 31.5 | 5.7 | -2.1 | 16.6 |
| 99B-344 | 11.4 | 5 | 0.5 | 4 | 581 | 5.4 | 44 | 37.6 | 0.40 | 23.5 | 2.4 | -2.1 | 24.5 |
| 99B-345 | 4.4 | 10 | 1.8 | 6 | 114 | 9.9 | 21 | 26.8 | 0.48 | 36.7 | 7.5 | -2.0 | 4.4 |
| 99B-346 | 7.5 | 3 | 1.2 | 2 | 512 | 7.9 | 55 | 27.1 | 0.91 | 28.8 | 2.9 | -2.1 | 17.9 |
| 99B-347 | 4.0 | 3 | 0.5 | 4 | 574 | 2.5 | 44 | 37.1 | 0.56 | 12.0 | 3.4 | -2.1 | 15.7 |
| 99B-348 | 5.0 | 6 | 0.5 | 6 | 168 | 2.5 | 35 | 23.6 | 1.63 | 15.0 | 8.4 | -2.1 | 4.7 |
| 99B-349 | 4.8 | 3 | 0.5 | 3 | 528 | 9.2 | 62 | 34.4 | 0.75 | 21.8 | 2.9 | -2.1 | 19.4 |
| 99B-350 | 5.2 | 3 | 0.5 | 3 | 235 | 6.5 | 47 | 15.8 | 1.32 | 27.9 | 5.2 | -2.1 | 7.4 |
| 99B-351 | 3.1 | 4 | 0.5 | 3 | 188 | 7.1 | 33 | 20.3 | 0.97 | 31.6 | 5.3 | -2.1 | 6.8 |

## Appendix B-2

# ICP-MS (Enzyme Leach), ICP-OES, $H^+$ and *K* Analyses.

| Sample Site | UTM | | S.Q.Li | S.Q.Cl | S.Q.Ti | V | Mn | Co | Ni | Cu | Zn | Ga | As | Br | Rb | Sr | Y | Zr | Nb | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb | ppb |
| 99B-21-1 Field Duplicate | 384823.47 | 6085301.09 | 20 | 4697 | 411 | 170 | 1711 | 37 | 40 | 65 | 49 | 4.6 | 28 | 84 | 9 | 151 | 98 | 112 | 1.9 | 6 |
| 99B-21-2 Field Duplicate | 384823.47 | 6085301.09 | 14 | 6674 | 233 | 141 | 1428 | 25 | 40 | 65 | 34 | 4.1 | 30 | 94 | 8 | 209 | 79 | 91 | 1.4 | 8 |
| 99B-41-1 Field Duplicate | 391167.56 | 6086589.75 | 15 | 1500 | 201 | 139 | 250 | 5 | 23 | 43 | 52 | 0.5 | 22 | 85 | 10 | 186 | 39 | 83 | 1.8 | 2 |
| 99B-41-2 Field Duplicate | 391167.56 | 6086589.75 | 15 | 1500 | 245 | 155 | 248 | 6 | 28 | 44 | 40 | 0.5 | 25 | 107 | 12 | 208 | 42 | 109 | 2.2 | 3 |
| 99B-70-1 Field Duplicate | 377176.25 | 6084802.55 | 21 | 6024 | 1307 | 67 | 424 | 11 | 47 | 51 | 43 | 8.2 | 18 | 187 | 34 | 105 | 51 | 119 | 5.7 | 6 |
| 99B-70-2 Field Duplicate | 377176.25 | 6084802.55 | 43 | 7101 | 3074 | 125 | 567 | 16 | 82 | 86 | 78 | 14.5 | 25 | 127 | 61 | 104 | 86 | 287 | 13.4 | 6 |
| 99B-82-1 Field Duplicate | 372516.50 | 6088851.06 | 22 | 4477 | 641 | 26 | 323 | 5 | 14 | 21 | 56 | 3.1 | 14 | 15 | 27 | 144 | 8 | 23 | 2.4 | 3 |
| 99B-82-2 Field Duplicate | 372516.50 | 6088851.06 | 22 | 5492 | 602 | 28 | 185 | 3 | 14 | 24 | 31 | 4.2 | 15 | 15 | 29 | 108 | 9 | 21 | 2.1 | 4 |
| 99B-101-1 Field Duplicate | 364004.46 | 6090265.61 | 5 | 4088 | 349 | 99 | 572 | 13 | 15 | 26 | 39 | 1.9 | 12 | 57 | 9 | 106 | 18 | 31 | 1.6 | 9 |
| 99B-101-2 Field Duplicate | 364004.46 | 6090265.61 | 11 | 6191 | 208 | 99 | 572 | 10 | 19 | 29 | 40 | 2.2 | 17 | 65 | 5 | 250 | 22 | 15 | 1.1 | 11 |
| 99B-124-1 Field Duplicate | 362147.22 | 6090729.66 | 16 | 1500 | 136 | 106 | 873 | 9 | 14 | 43 | 30 | 0.5 | 23 | 323 | 13 | 409 | 12 | 15 | 0.5 | 7 |
| 99B-124-2 Field Duplicate | 362147.22 | 6090729.66 | 12 | 4135 | 142 | 107 | 562 | 5 | 15 | 50 | 36 | 1.7 | 23 | 560 | 17 | 327 | 12 | 14 | 0.5 | 9 |
| 99B-141-1 Field Duplicate | 362142.99 | 6084076.48 | 29 | 1500 | 473 | 229 | 1610 | 25 | 37 | 57 | 38 | 3.0 | 23 | 176 | 15 | 136 | 38 | 43 | 2.3 | 3 |
| 99B-141-2 Field Duplicate | 362142.99 | 6084076.48 | 31 | 1500 | 297 | 170 | 1582 | 24 | 21 | 43 | 35 | 0.5 | 18 | 143 | 12 | 120 | 31 | 42 | 1.3 | 2 |
| 99B-151-1 Field Duplicate | 379171.14 | 6087918.37 | 13 | 7163 | 153 | 162 | 1198 | 10 | 25 | 73 | 68 | 0.5 | 26 | 317 | 10 | 355 | 20 | 15 | 1.5 | 15 |
| 99B-151-2 Field Duplicate | 379171.14 | 6087918.37 | 22 | 1500 | 193 | 41 | 456 | 3 | 10 | 24 | 202 | 1.6 | 10 | 15 | 14 | 233 | 5 | 8 | 0.5 | 10 |
| 99B-219-1 Field Duplicate | 367825.77 | 6068425.98 | 16 | 1500 | 565 | 72 | 982 | 9 | 21 | 30 | 91 | 3.1 | 18 | 79 | 29 | 148 | 17 | 49 | 2.1 | 6 |
| 99B-219-2 Field Duplicate | 367825.77 | 6068425.98 | 15 | 5471 | 419 | 73 | 1088 | 10 | 22 | 27 | 74 | 1.7 | 17 | 110 | 25 | 177 | 22 | 49 | 1.9 | 5 |
| 99B-230-1 Field Duplicate | 355405.44 | 6076684.24 | 35 | 4709 | 886 | 167 | 936 | 16 | 34 | 25 | 79 | 7.1 | 19 | 96 | 33 | 177 | 30 | 82 | 4.3 | 19 |
| 99B-230-2 Field Duplicate | 355405.44 | 6076684.24 | 45 | 5743 | 673 | 213 | 1681 | 22 | 50 | 43 | 60 | 3.3 | 27 | 101 | 24 | 184 | 60 | 99 | 3.2 | 19 |
| 99B-248-1 Field Duplicate | 363998.87 | 6080166.06 | 34 | 4856 | 146 | 175 | 750 | 9 | 19 | 81 | 223 | 0.5 | 26 | 150 | 17 | 403 | 17 | 20 | 0.5 | 7 |
| 99B-248-2 Field Duplicate | 363998.87 | 6080166.06 | 30 | 1500 | 146 | 82 | 666 | 6 | 11 | 69 | 204 | 1.7 | 16 | 85 | 13 | 329 | 9 | 12 | 0.5 | 5 |
| 99B-276-1 Field Duplicate | 385148.66 | 6077248.38 | 5 | 3752 | 251 | 36 | 1174 | 8 | 11 | 13 | 83 | 2.1 | 10 | 45 | 31 | 182 | 70 | 46 | 1.5 | 10 |
| 99B-276-2 Field Duplicate | 385148.66 | 6077248.38 | 11 | 1500 | 589 | 37 | 1145 | 17 | 10 | 14 | 36 | 2.7 | 11 | 48 | 23 | 129 | 25 | 48 | 2.4 | 8 |
| 99B-292-1 Field Duplicate | 372658.22 | 6079359.51 | | 11519 | 247 | 187 | 691 | 9 | 44 | 87 | 27 | 1.9 | 48 | 111 | 14 | 452 | 56 | 38 | 1.0 | 9 |
| 99B-292-2 Field Duplicate | 372658.22 | 6079359.51 | | 8519 | 142 | 180 | 502 | 8 | 38 | 109 | 35 | 0.5 | 40 | 96 | 14 | 424 | 33 | 31 | 0.5 | 10 |
| 99B-314-1 Field Duplicate | 380441.27 | 6077362.52 | 20 | 1500 | 207 | 178 | 639 | 7 | 22 | 73 | 24 | 0.5 | 27 | 245 | 6 | 324 | 23 | 40 | 0.5 | 4 |
| 99B-314-2 Field Duplicate | 380441.27 | 6077362.52 | 14 | 3540 | 297 | 148 | 1246 | 18 | 33 | 60 | 38 | 1.0 | 19 | 157 | 7 | 160 | 41 | 50 | 1.2 | 3 |
| 99B-329-1 Field Duplicate | 373524.62 | 6072776.30 | 21 | 4125 | 161 | 136 | 1157 | 8 | 48 | 74 | 57 | 1.2 | 20 | 101 | 8 | 313 | 20 | 21 | 0.5 | 11 |
| 99B-329-2 Field Duplicate | 373524.62 | 6072776.30 | 25 | 3653 | 151 | 133 | 1124 | 8 | 38 | 74 | 55 | 1.8 | 21 | 80 | 8 | 317 | 16 | 12 | 0.5 | 12 |

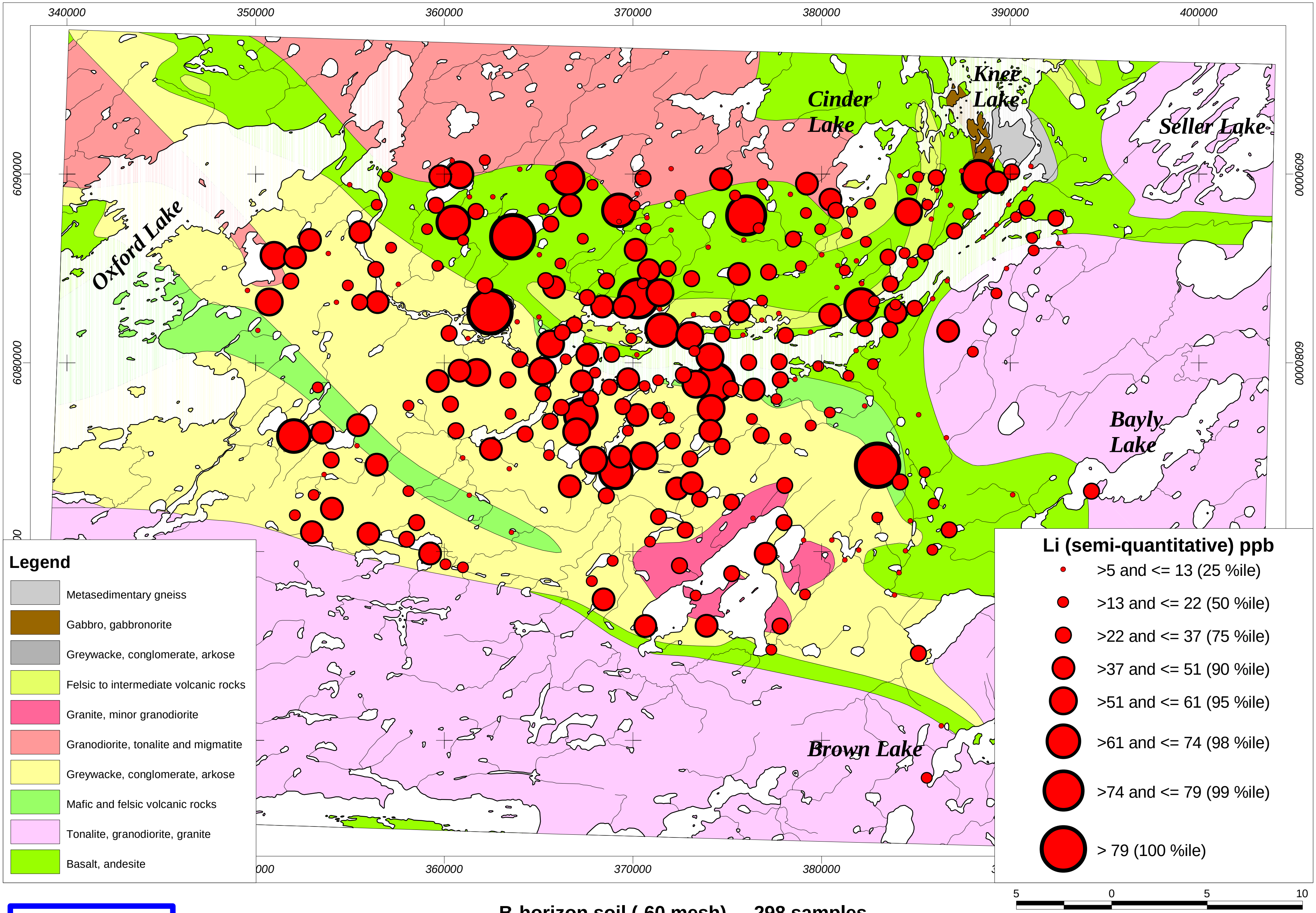
| Sample Site | Cd ppb | In ppb | Sb ppb | I ppb | Cs ppb | Ba ppb | La ppb | Ce ppb | Pr ppb | Nd ppb | Sm ppb | Eu ppb | Gd ppb | Tb ppb | Dy ppb | Ho ppb | Er ppb | Tm ppb | Yb ppb | Lu ppb | TREE ppb | Hf ppb | W ppb | Pb ppb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-21-1 Field Duplicate | 0.1 | 0.1 | 1.0 | 92 | 0.5 | 156 | 127 | 194 | 40 | 159 | 29 | 5.6 | 23 | 3.3 | 16.7 | 3.6 | 10.0 | 1.3 | 8.6 | 1.4 | 623.0 | 1.8 | 2 | 4 |
| 99B-21-2 Field Duplicate | 0.5 | 0.1 | 0.5 | 94 | 0.5 | 174 | 99 | 146 | 31 | 129 | 24 | 4.5 | 20 | 2.8 | 13.9 | 2.9 | 8.5 | 1.1 | 7.4 | 1.0 | 491.2 | 1.4 | 4 | 4 |
| 99B-41-1 Field Duplicate | 0.3 | 0.1 | 0.5 | 100 | 0.5 | 145 | 65 | 73 | 17 | 70 | 12 | 2.3 | 10 | 1.5 | 7.7 | 1.5 | 4.5 | 0.5 | 4.1 | 0.5 | 269.6 | 1.7 | 2 | 2 |
| 99B-41-2 Field Duplicate | 0.1 | 0.1 | 0.5 | 113 | 0.5 | 147 | 62 | 85 | 17 | 70 | 13 | 2.6 | 11 | 1.6 | 8.3 | 1.7 | 5.1 | 0.5 | 4.3 | 0.5 | 282.8 | 2.2 | 3 | 2 |
| 99B-70-1 Field Duplicate | 0.7 | 0.1 | 0.5 | 156 | 1.3 | 275 | 79 | 96 | 20 | 79 | 14 | 2.6 | 12 | 1.6 | 8.9 | 1.7 | 5.5 | 0.5 | 4.6 | 0.5 | 325.7 | 2.0 | 3 | 10 |
| 99B-70-2 Field Duplicate | 0.6 | 0.1 | 1.1 | 92 | 3.0 | 339 | 124 | 210 | 34 | 134 | 24 | 4.6 | 21 | 3.2 | 16.7 | 3.4 | 9.2 | 1.4 | 8.7 | 1.2 | 594.8 | 4.5 | 3 | 19 |
| 99B-82-1 Field Duplicate | 0.1 | 0.1 | 0.5 | 67 | 0.5 | 143 | 14 | 30 | 3 | 17 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 73.2 | 0.5 | 2 | 6 |
| 99B-82-2 Field Duplicate | 0.2 | 0.1 | 0.5 | 64 | 0.5 | 117 | 18 | 33 | 3 | 20 | 2 | 0.5 | 2 | 0.5 | 1.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 83.0 | 0.5 | 2 | 6 |
| 99B-101-1 Field Duplicate | 0.2 | 0.4 | 0.5 | 57 | 0.5 | 177 | 28 | 62 | 9 | 34 | 7 | 1.6 | 5 | 0.5 | 3.7 | 0.5 | 2.1 | 0.5 | 2.0 | 0.5 | 157.3 | 0.5 | 3 | 9 |
| 99B-101-2 Field Duplicate | 0.3 | 0.3 | 0.5 | 63 | 0.5 | 202 | 38 | 48 | 10 | 41 | 7 | 1.5 | 6 | 0.5 | 4.0 | 0.5 | 2.1 | 0.5 | 1.8 | 0.5 | 162.1 | 0.5 | 2 | 4 |
| 99B-124-1 Field Duplicate | 0.5 | 0.1 | 0.5 | 66 | 0.5 | 224 | 22 | 28 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 1.9 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 87.3 | 0.5 | 5 | 2 |
| 99B-124-2 Field Duplicate | 0.3 | 0.1 | 0.5 | 65 | 0.5 | 161 | 21 | 24 | 5 | 21 | 3 | 0.5 | 3 | 0.5 | 2.1 | 0.5 | 1.1 | 0.5 | 0.5 | 0.5 | 82.1 | 0.5 | 4 | 2 |
| 99B-141-1 Field Duplicate | 0.4 | 0.1 | 1.2 | 90 | 0.5 | 169 | 48 | 58 | 16 | 67 | 11 | 2.1 | 10 | 1.2 | 6.8 | 1.2 | 3.8 | 0.5 | 3.4 | 0.5 | 230.6 | 0.5 | 2 | 8 |
| 99B-141-2 Field Duplicate | 0.1 | 0.1 | 1.1 | 86 | 0.5 | 156 | 36 | 61 | 14 | 58 | 11 | 2.1 | 9 | 1.1 | 6.5 | 1.1 | 3.7 | 0.5 | 3.5 | 0.5 | 207.6 | 0.5 | 2 | 5 |
| 99B-151-1 Field Duplicate | 0.6 | 0.3 | 1.0 | 76 | 0.5 | 169 | 29 | 26 | 7 | 28 | 5 | 0.5 | 4 | 0.5 | 3.0 | 0.5 | 1.7 | 0.5 | 1.5 | 0.5 | 106.9 | 0.5 | 3 | 2 |
| 99B-151-2 Field Duplicate | 0.6 | 0.1 | 0.5 | 17 | 0.5 | 155 | 10 | 12 | 2 | 8 | 1 | 0.5 | 1 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 37.4 | 0.5 | 2 | 2 |
| 99B-219-1 Field Duplicate | 0.7 | 0.1 | 0.5 | 39 | 0.5 | 130 | 31 | 51 | 8 | 32 | 5 | 0.5 | 4 | 0.5 | 3.2 | 0.5 | 1.7 | 0.5 | 1.4 | 0.5 | 141.1 | 0.5 | 2 | 4 |
| 99B-219-2 Field Duplicate | 1.1 | 0.1 | 0.5 | 41 | 0.5 | 127 | 39 | 69 | 10 | 41 | 7 | 1.1 | 6 | 0.5 | 4.2 | 0.5 | 2.1 | 0.5 | 1.9 | 0.5 | 182.2 | 0.5 | 1 | 4 |
| 99B-230-1 Field Duplicate | 2.1 | 0.4 | 0.5 | 68 | 0.5 | 240 | 37 | 103 | 15 | 52 | 11 | 3.5 | 9 | 2.5 | 6.3 | 1.9 | 3.9 | 0.5 | 3.9 | 1.5 | 253.1 | 1.3 | 2 | 7 |
| 99B-230-2 Field Duplicate | 0.4 | 0.5 | 0.5 | 90 | 0.5 | 270 | 74 | 142 | 24 | 90 | 17 | 4.0 | 14 | 2.8 | 10.9 | 2.6 | 6.7 | 1.0 | 6.6 | 1.6 | 397.5 | 1.5 | 3 | 6 |
| 99B-248-1 Field Duplicate | 0.8 | 0.1 | 2.2 | 63 | 0.5 | 216 | 30 | 45 | 8 | 31 | 5 | 0.5 | 4 | 0.5 | 3.2 | 0.5 | 1.6 | 0.5 | 1.5 | 0.5 | 132.3 | 0.5 | 2 | 2 |
| 99B-248-2 Field Duplicate | 0.1 | 0.1 | 1.1 | 37 | 0.5 | 178 | 18 | 32 | 4 | 17 | 3 | 0.5 | 2 | 0.5 | 1.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 81.5 | 0.5 | 3 | 3 |
| 99B-276-1 Field Duplicate | 1.0 | 0.3 | 0.5 | 59 | 0.5 | 188 | 109 | 226 | 30 | 123 | 22 | 4.4 | 18 | 2.8 | 13.8 | 2.7 | 7.4 | 1.1 | 6.3 | 1.0 | 568.4 | 0.5 | 3 | 4 |
| 99B-276-2 Field Duplicate | 1.2 | 0.2 | 0.5 | 78 | 0.5 | 334 | 42 | 152 | 14 | 54 | 10 | 2.1 | 8 | 1.3 | 6.0 | 1.2 | 3.4 | 0.5 | 2.9 | 0.5 | 298.3 | 1.1 | 5 | 5 |
| 99B-292-1 Field Duplicate | 0.8 | 0.1 | 1.4 | 104 | 0.5 | 262 | 77 | 90 | 21 | 84 | 14 | 2.8 | 12 | 1.6 | 8.8 | 1.6 | 5.1 | 0.5 | 4.3 | 0.5 | 323.0 | 0.5 | 4 | 2 |
| 99B-292-2 Field Duplicate | 1.1 | 0.1 | 1.5 | 110 | 0.5 | 222 | 48 | 51 | 12 | 51 | 8 | 1.5 | 7 | 0.5 | 5.4 | 0.5 | 2.9 | 0.5 | 2.5 | 0.5 | 192.1 | 0.5 | 5 | 2 |
| 99B-314-1 Field Duplicate | 0.4 | 0.1 | 1.2 | 190 | 0.5 | 181 | 36 | 39 | 8 | 36 | 6 | 0.5 | 5 | 0.5 | 3.8 | 0.5 | 2.1 | 0.5 | 1.9 | 0.5 | 140.6 | 0.5 | 4 | 3 |
| 99B-314-2 Field Duplicate | 0.6 | 0.1 | 0.5 | 135 | 0.5 | 155 | 63 | 69 | 16 | 66 | 11 | 2.0 | 9 | 1.2 | 6.9 | 1.3 | 4.0 | 0.5 | 3.4 | 0.5 | 254.2 | 0.5 | 7 | 4 |
| 99B-329-1 Field Duplicate | 0.5 | 0.1 | 1.3 | 130 | 0.5 | 189 | 34 | 21 | 8 | 32 | 5 | 0.5 | 4 | 0.5 | 3.4 | 0.5 | 1.9 | 0.5 | 1.7 | 0.5 | 114.0 | 0.5 | 5 | 2 |
| 99B-329-2 Field Duplicate | 0.2 | 0.1 | 1.4 | 135 | 0.5 | 231 | 30 | 22 | 7 | 27 | 4 | 0.5 | 4 | 0.5 | 2.7 | 0.5 | 1.5 | 0.5 | 1.1 | 0.5 | 102.8 | 0.5 | 5 | 2 |

## ICP-OES

| Sample Site | Bi ppb | Th ppb | U ppb | Fe ppm | Ca ppm | Na ppm | Mg ppm | K ppm | Mn ppm | Si ppm | Al ppm | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99B-21-1 Field Duplicate | 1.4 | 10 | 1.4 | 5 | 132 | 6.2 | 24 | 7.5 | 1.58 | 36.6 | 7.5 | -1.8 | 5.2 |
| 99B-21-2 Field Duplicate | 1.8 | 6 | 1.1 | 4 | 200 | 6.7 | 35 | 7.5 | 1.29 | 30.2 | 5.7 | -1.9 | 7.9 |
| 99B-41-1 Field Duplicate | 1.2 | 9 | 2.8 | 9 | 258 | 6.6 | 40 | 20.3 | 0.35 | 29.6 | 8.0 | -2.0 | 8.4 |
| 99B-41-2 Field Duplicate | 1.5 | 12 | 4.3 | 8 | 230 | 6.7 | 36 | 17.3 | 0.15 | 26.5 | 7.5 | -2.0 | 8.0 |
| 99B-70-1 Field Duplicate | 2.4 | 18 | 1.7 | 19 | 143 | 2.5 | 27 | 7.5 | 0.41 | 54.4 | 20.9 | -2.0 | 6.8 |
| 99B-70-2 Field Duplicate | 1.7 | 40 | 4.0 | 33 | 76 | 9.3 | 18 | 7.5 | 0.54 | 101.9 | 34.3 | -1.9 | 5.4 |
| 99B-82-1 Field Duplicate | 0.5 | 4 | 0.5 | 6 | 268 | 2.5 | 41 | 7.5 | 0.32 | 21.5 | 8.0 | -1.9 | 18.9 |
| 99B-82-2 Field Duplicate | 0.5 | 3 | 0.5 | 6 | 183 | 2.5 | 22 | 7.5 | 0.15 | 24.0 | 7.8 | -1.9 | 19.7 |
| 99B-101-1 Field Duplicate | 2.3 | 4 | 0.5 | 5 | 109 | 9.5 | 30 | 7.5 | 0.51 | 29.9 | 6.1 | -2.0 | 4.1 |
| 99B-101-2 Field Duplicate | 3.0 | 2 | 0.5 | 3 | 352 | 7.9 | 60 | 7.5 | 0.55 | 26.0 | 4.3 | -2.0 | 10.0 |
| 99B-124-1 Field Duplicate | 2.3 | 2 | 0.5 | 3 | 630 | 2.5 | 62 | 34.9 | 0.92 | 19.2 | 3.6 | -2.0 | 22.2 |
| 99B-124-2 Field Duplicate | 3.1 | 2 | 0.5 | 4 | 543 | 2.5 | 55 | 33.9 | 0.57 | 18.0 | 2.4 | -2.0 | 22.0 |
| 99B-141-1 Field Duplicate | 0.5 | 4 | 0.5 | 6 | 124 | 9.2 | 25 | 7.5 | 1.78 | 52.0 | 6.8 | -2.2 | 3.7 |
| 99B-141-2 Field Duplicate | 0.5 | 2 | 0.5 | 4 | 117 | 10.9 | 21 | 21.7 | 1.94 | 40.5 | 4.6 | -2.2 | 3.4 |
| 99B-151-1 Field Duplicate | 6.8 | 2 | 0.5 | 2 | 521 | 7.3 | 95 | 25.7 | 1.26 | 24.6 | 1.0 | -2.3 | 20.7 |
| 99B-151-2 Field Duplicate | 2.1 | 1 | 0.5 | 3 | 451 | 2.5 | 33 | 41.0 | 0.51 | 10.2 | 2.7 | -2.3 | 16.9 |
| 99B-219-1 Field Duplicate | 2.1 | 7 | 0.5 | 7 | 169 | 2.5 | 36 | 26.1 | 1.14 | 31.4 | 9.5 | -2.3 | 5.9 |
| 99B-219-2 Field Duplicate | 2.1 | 6 | 0.5 | 5 | 204 | 2.5 | 42 | 24.3 | 1.20 | 23.0 | 7.2 | -2.3 | 6.5 |
| 99B-230-1 Field Duplicate | 4.1 | 11 | 1.2 | 9 | 120 | 12.0 | 26 | 7.5 | 0.83 | 39.1 | 10.5 | -2.0 | 4.9 |
| 99B-230-2 Field Duplicate | 5.0 | 11 | 1.4 | 6 | 126 | 10.5 | 25 | 7.5 | 1.46 | 33.2 | 7.0 | -2.0 | 5.9 |
| 99B-248-1 Field Duplicate | 3.8 | 4 | 0.5 | 2 | 592 | 5.3 | 66 | 26.3 | 0.78 | 23.6 | 2.3 | -2.1 | 23.4 |
| 99B-248-2 Field Duplicate | 3.6 | 3 | 0.5 | 2 | 619 | 2.5 | 56 | 25.1 | 0.71 | 12.0 | 2.0 | -2.1 | 21.1 |
| 99B-276-1 Field Duplicate | 8.9 | 13 | 1.7 | 5 | 92 | 2.5 | 18 | 27.2 | 1.29 | 24.1 | 12.4 | -2.1 | 3.0 |
| 99B-276-2 Field Duplicate | 7.7 | 12 | 2.3 | 5 | 87 | 2.5 | 18 | 22.5 | 1.25 | 18.0 | 9.2 | -2.1 | 2.9 |
| 99B-292-1 Field Duplicate | 5.8 | 4 | 0.5 | 4 | 529 | 8.5 | 52 | 47.1 | 0.63 | 28.4 | 3.3 | -2.2 | 18.2 |
| 99B-292-2 Field Duplicate | 4.4 | 5 | 0.5 | 2 | 584 | 7.3 | 53 | 35.1 | 0.51 | 28.1 | 2.1 | -2.2 | 27.5 |
| 99B-314-1 Field Duplicate | 1.3 | 6 | 1.0 | 3 | 525 | 12.8 | 57 | 17.9 | 0.76 | 30.9 | 3.7 | -2.1 | 22.4 |
| 99B-314-2 Field Duplicate | 0.5 | 6 | 0.5 | 4 | 182 | 13.0 | 36 | 7.5 | 1.47 | 37.3 | 5.7 | -2.1 | 6.2 |
| 99B-329-1 Field Duplicate | 5.5 | 2 | 0.5 | 2 | 466 | 10.3 | 57 | 23.7 | 1.30 | 35.9 | 2.5 | -2.1 | 14.1 |
| 99B-329-2 Field Duplicate | 5.1 | 2 | 0.5 | 3 | 527 | 9.0 | 64 | 27.1 | 1.31 | 34.9 | 3.5 | -2.1 | 20.8 |

Appendix B-3: ICP-MS (Enzyme Leach), ICP-OES, $H^+$ and *K* Analyses Percentile Bubble Plots.

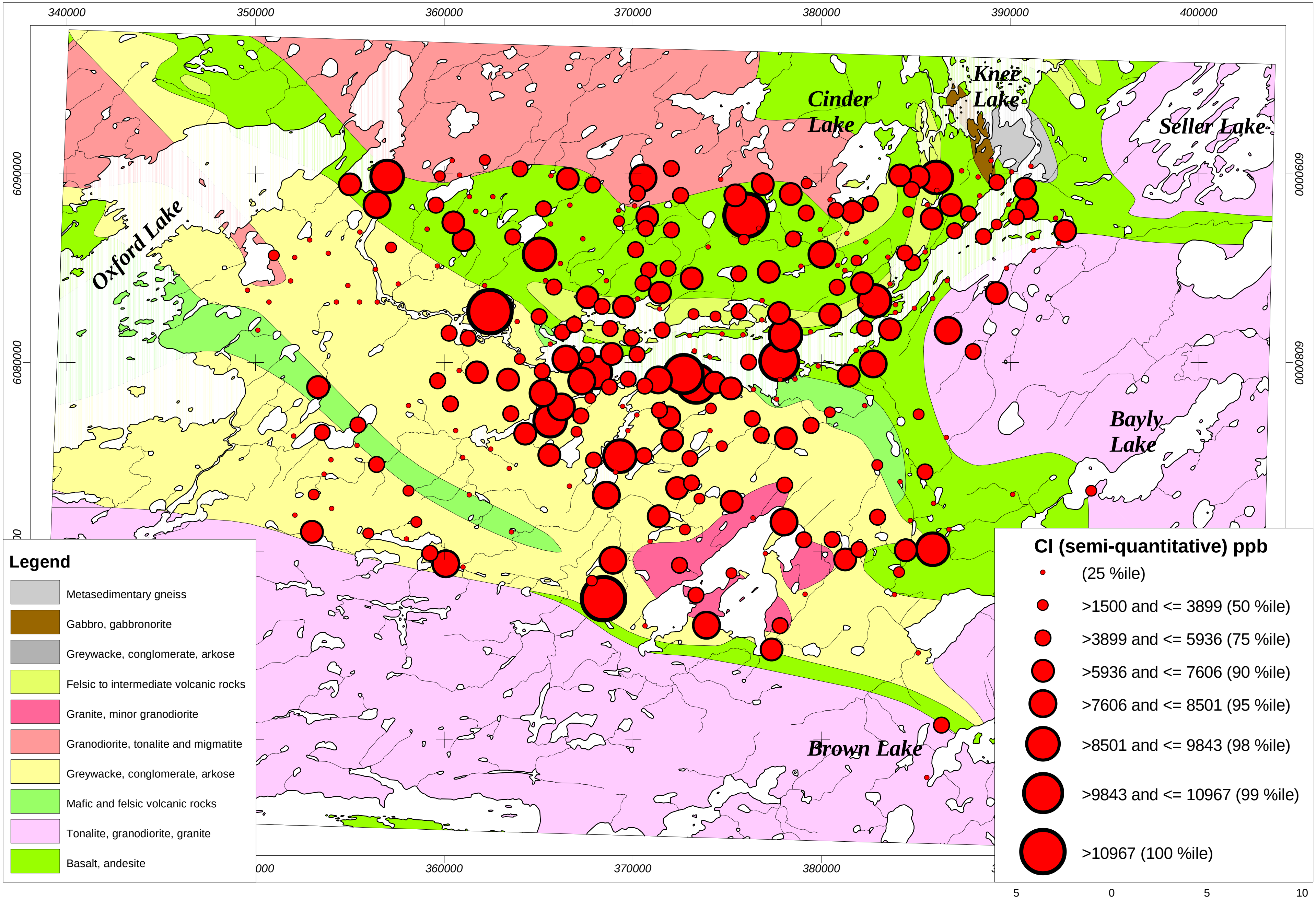
| | | | | |
|---|---|---|---|---|
| Li (S.Q.) | Cl (S.Q.) | Ti (S.Q.) | V | Mn (ppb) |
| Co | Ni | Cu | Zn | Ga |
| As | Br | Rb | Sr | Y |
| Zr | Nb | Mo | Cd | In |
| Sb | I | Cs | Ba | Hf |
| W | Pb | Bi | Th | U |
| Total REE | $H^+$ | *K* (Spec. Cond.) | Fe | Ca |
| Na | Mg | K | Mn (ppm) | Si |
| Al | | | | CONTENTS |




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

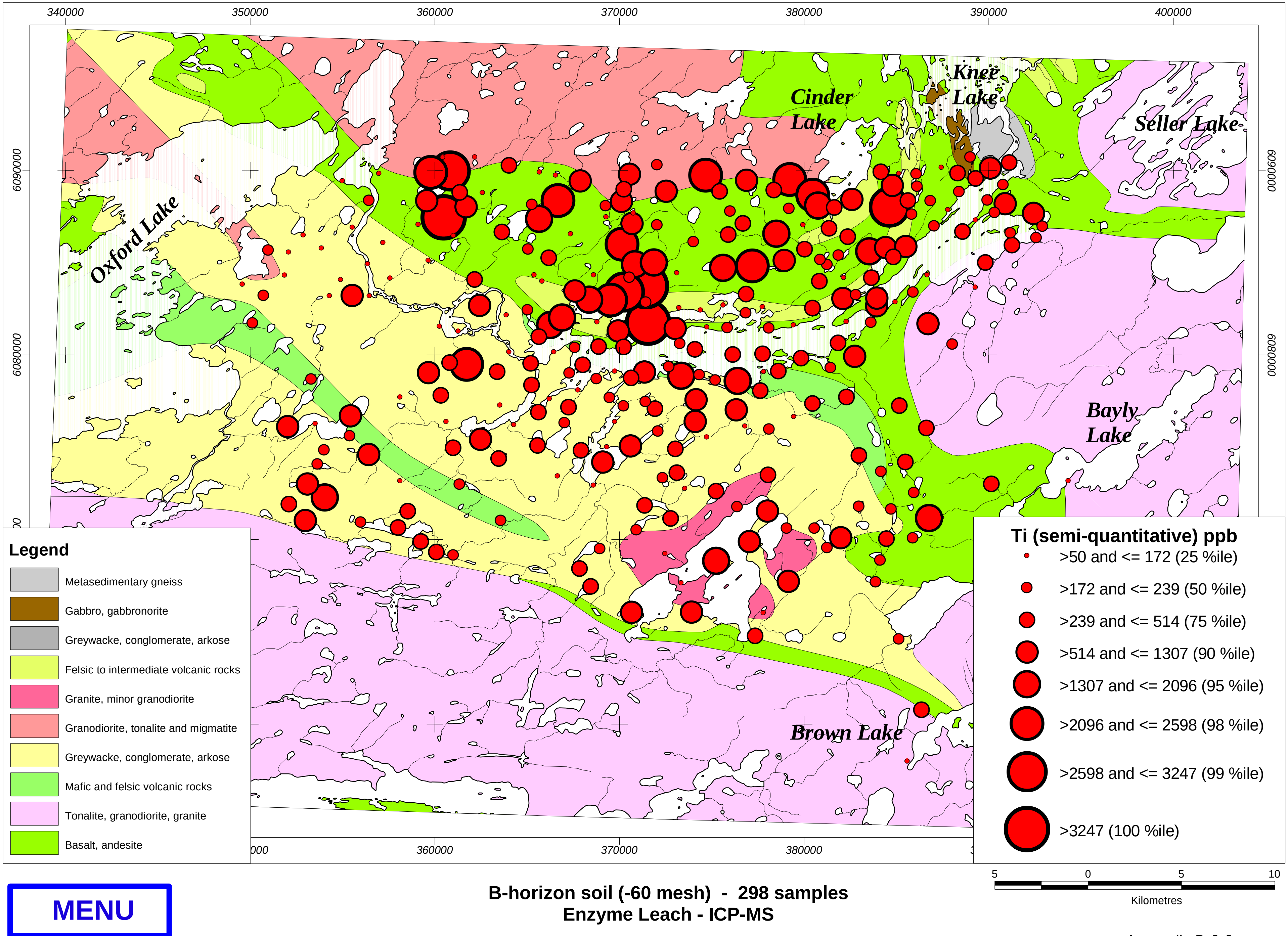
Appendix B-3-1




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

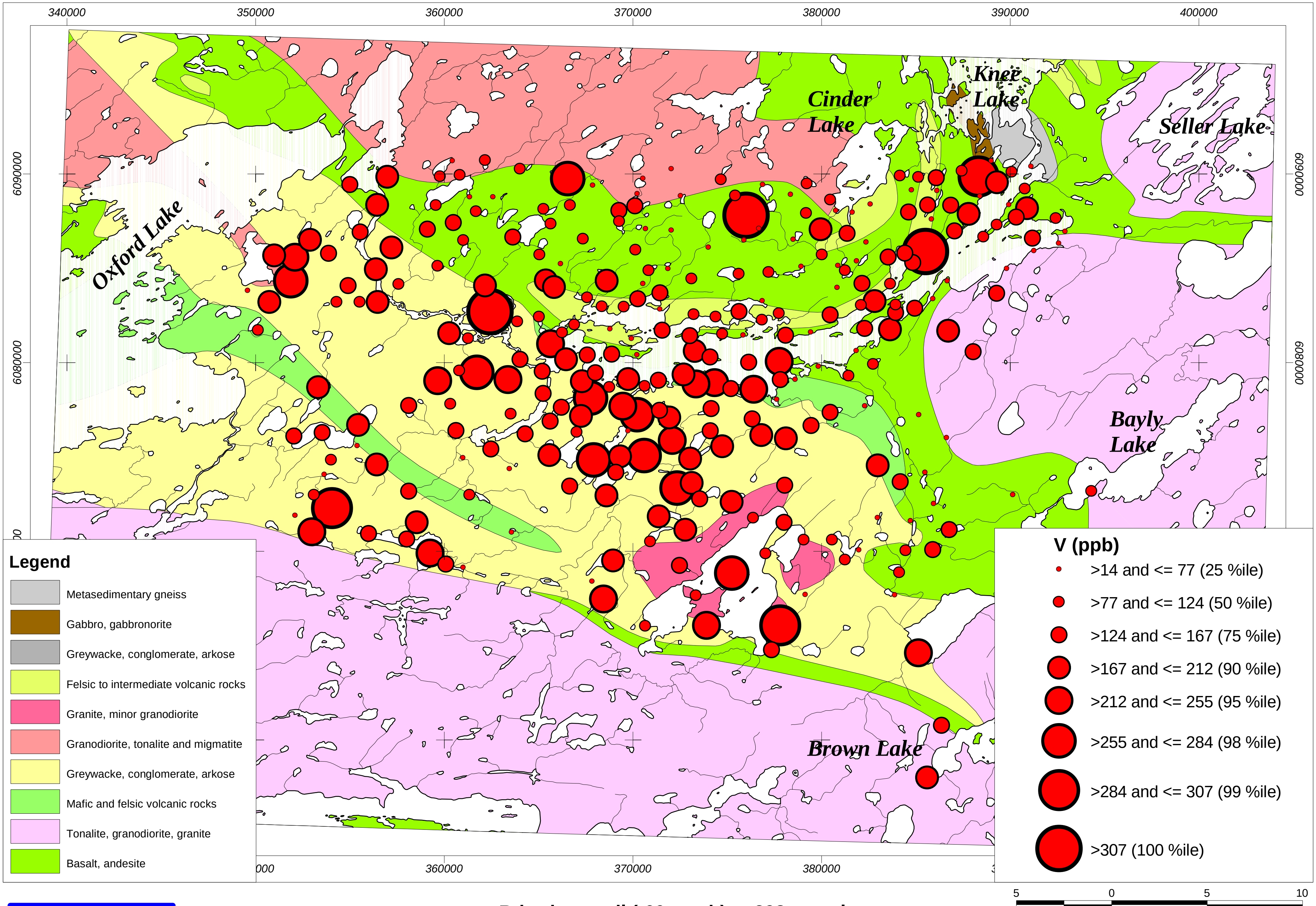
Appendix B-3-2




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

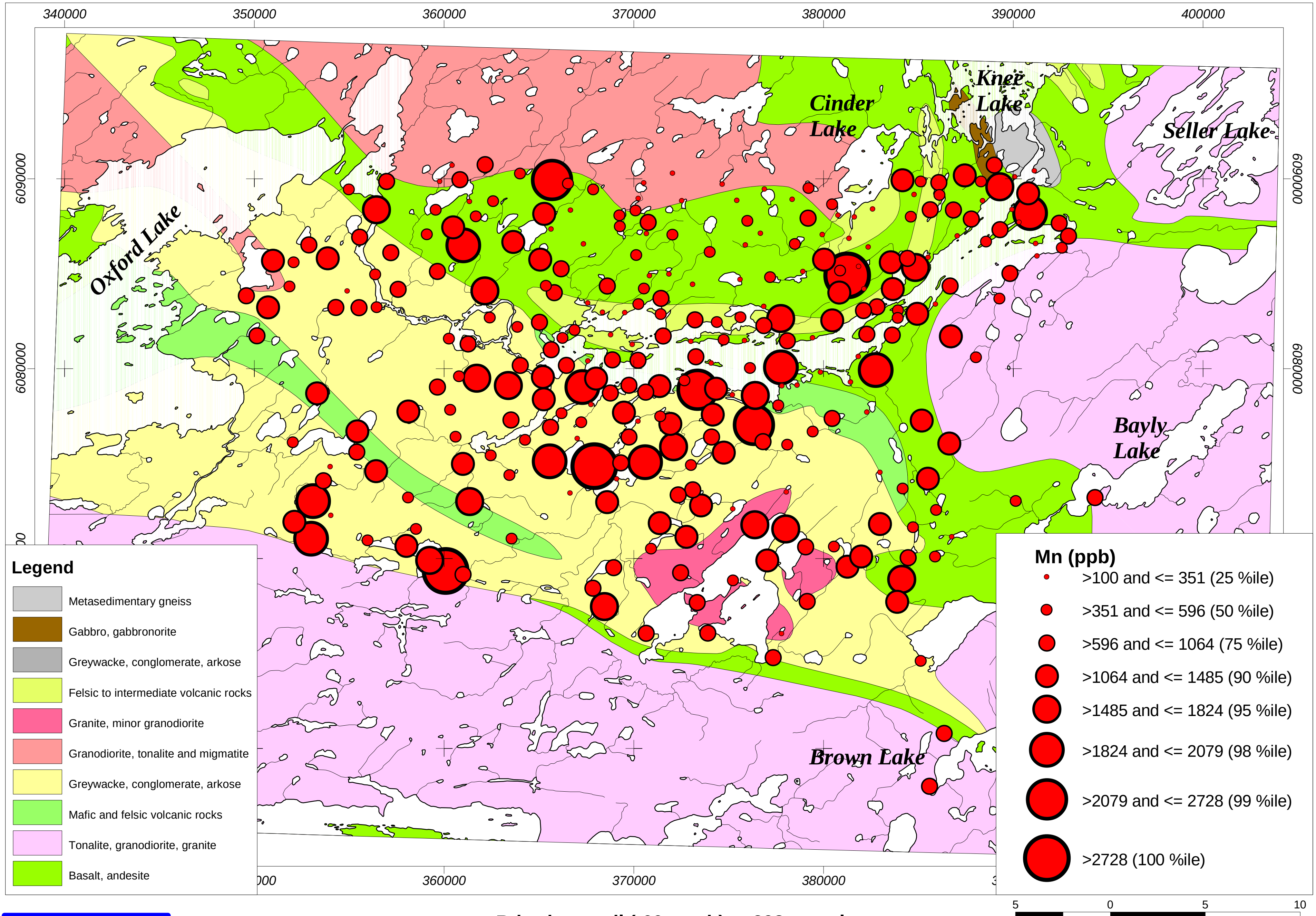
Appendix B-3-3




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

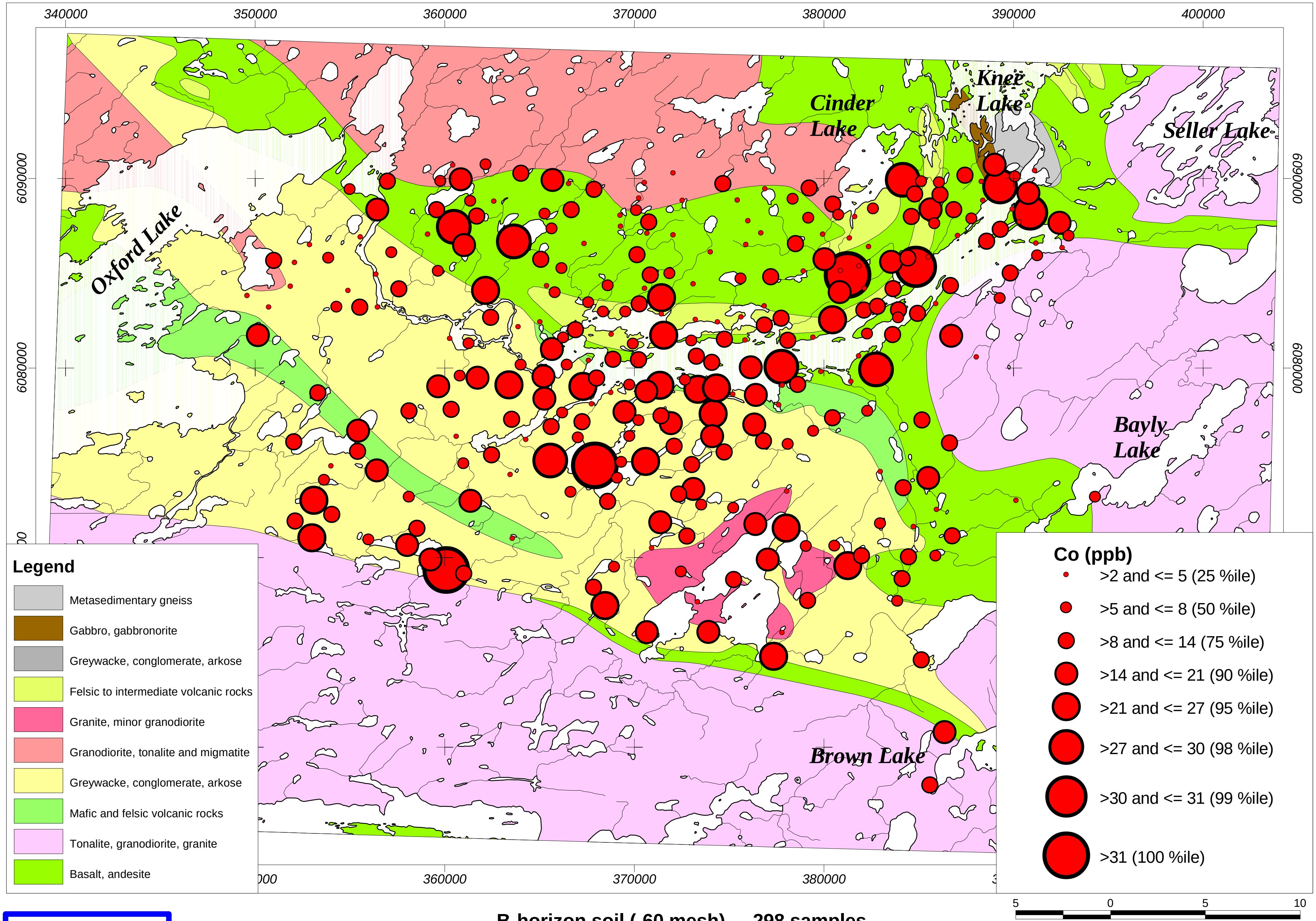
Appendix B-3-4




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

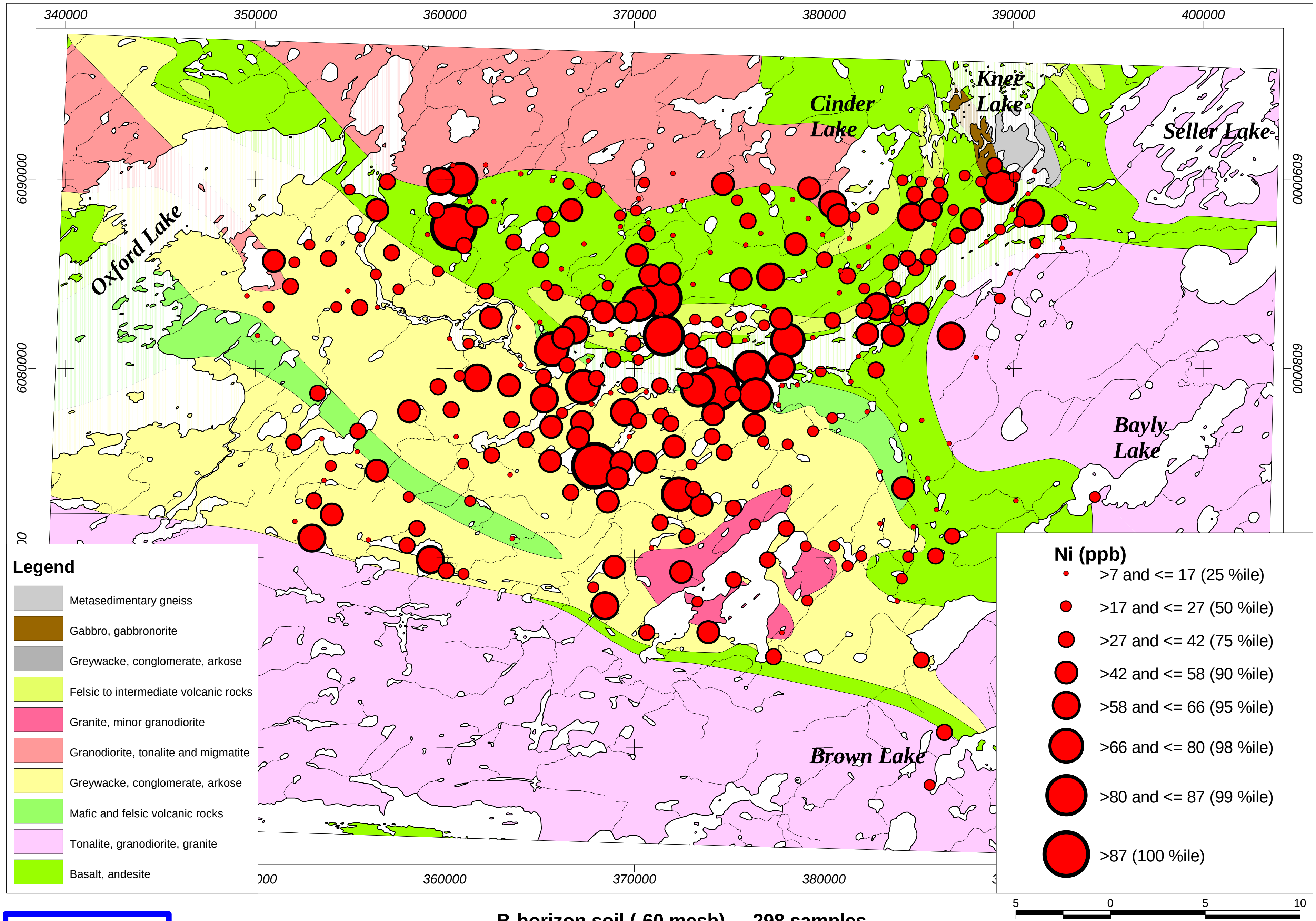
Appendix B-3-5




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

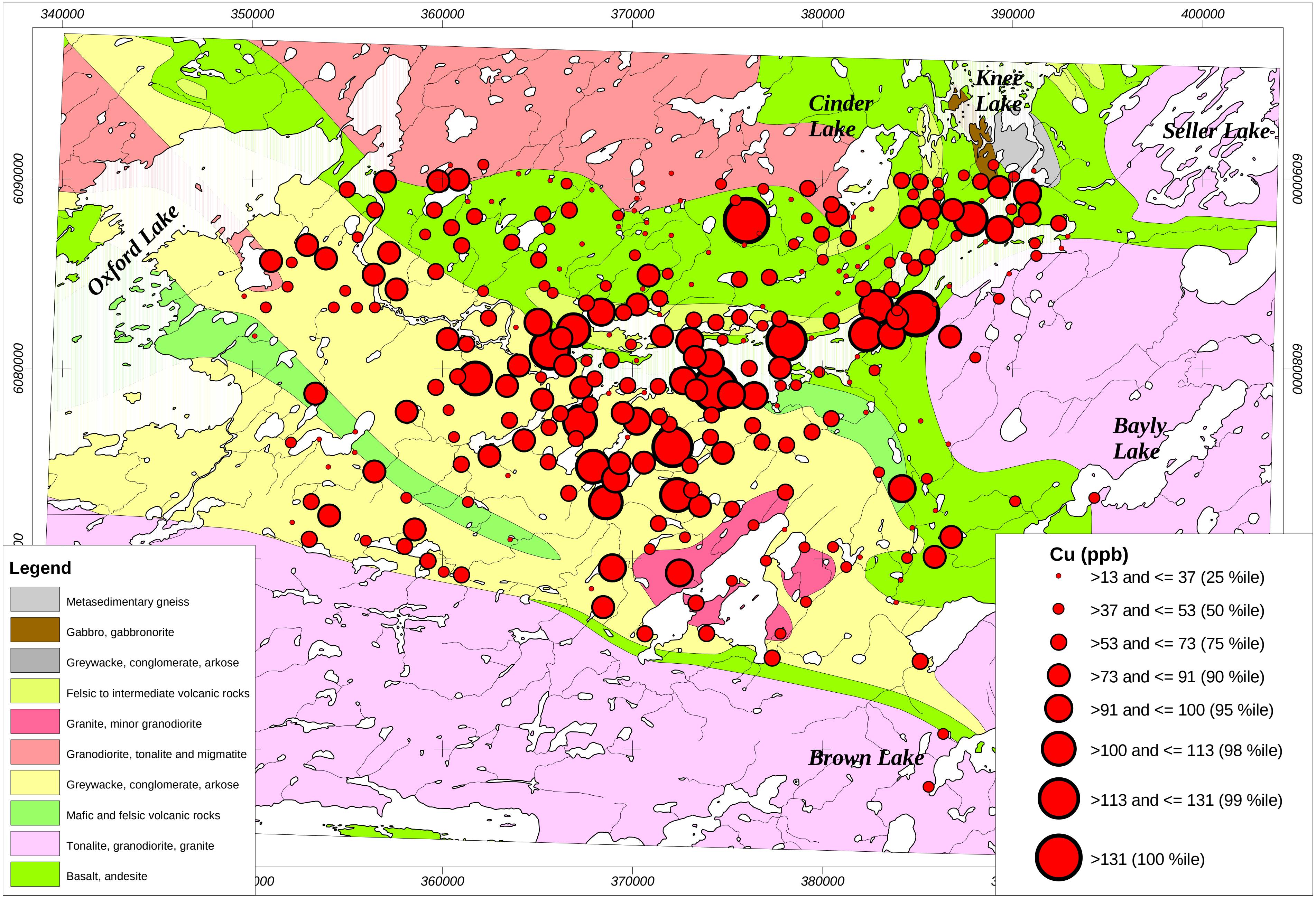
Appendix B-3-6




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

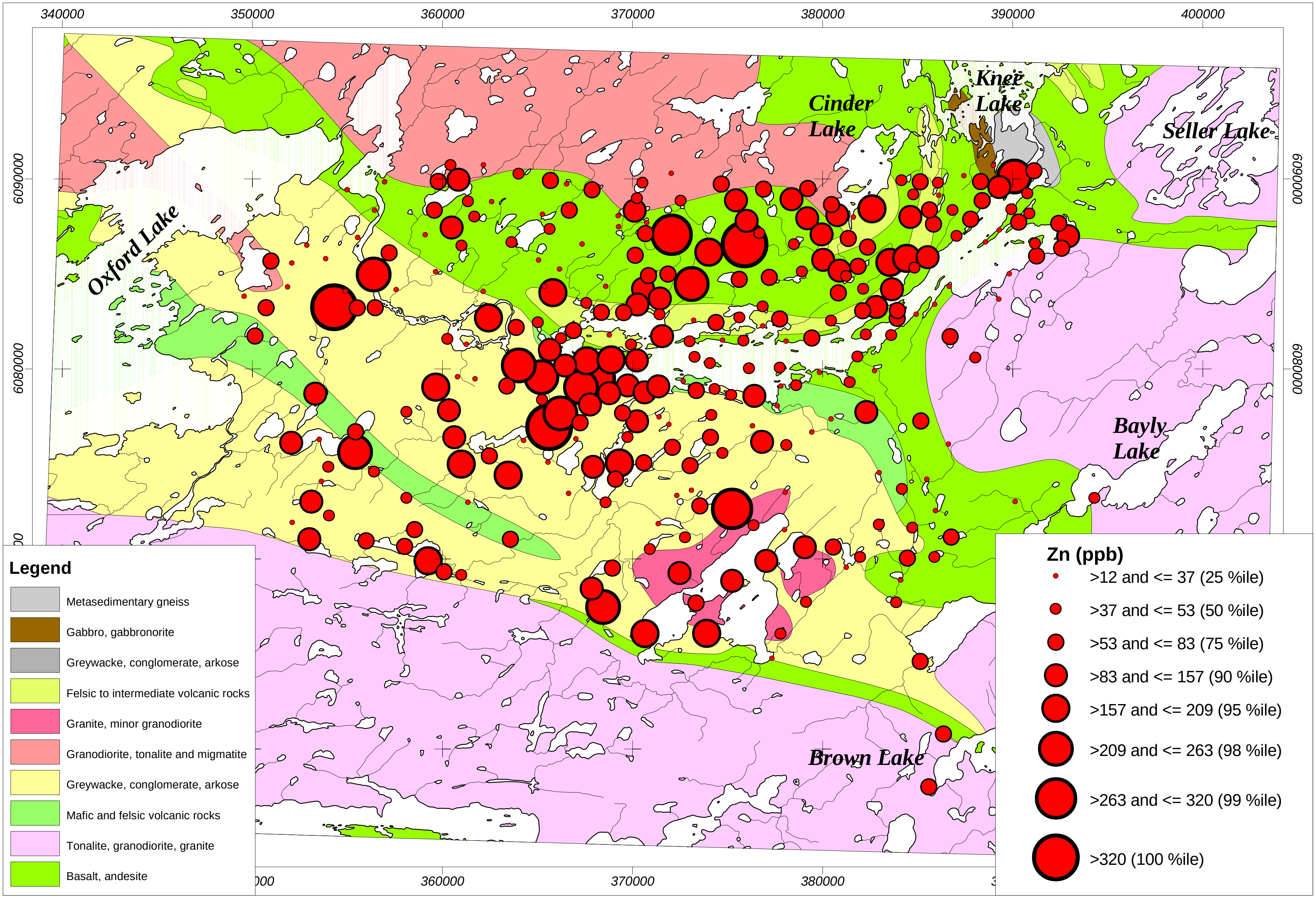
Appendix B-3-7




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

Appendix B-3-8



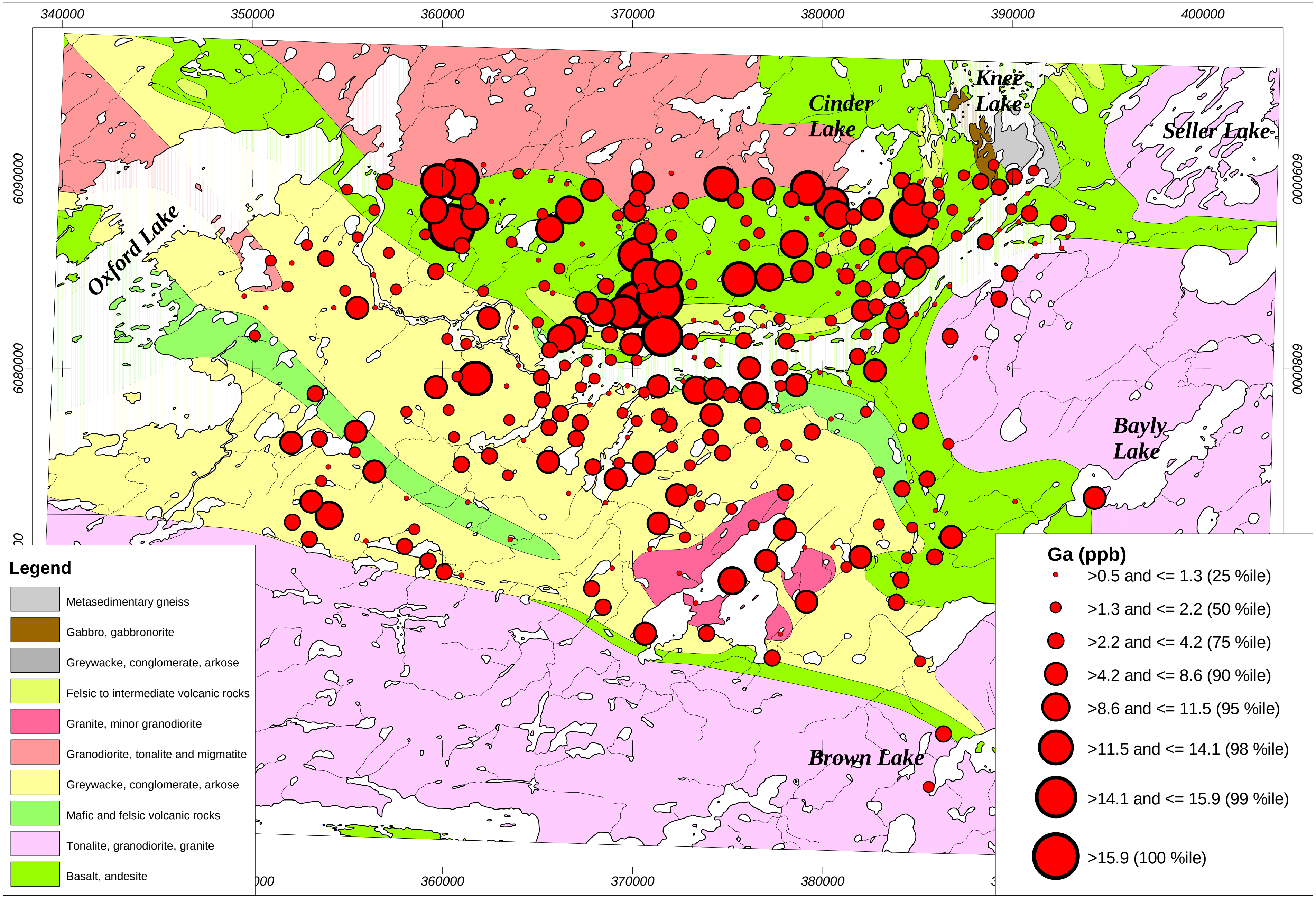

5 0 5 10

Kilometres

MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

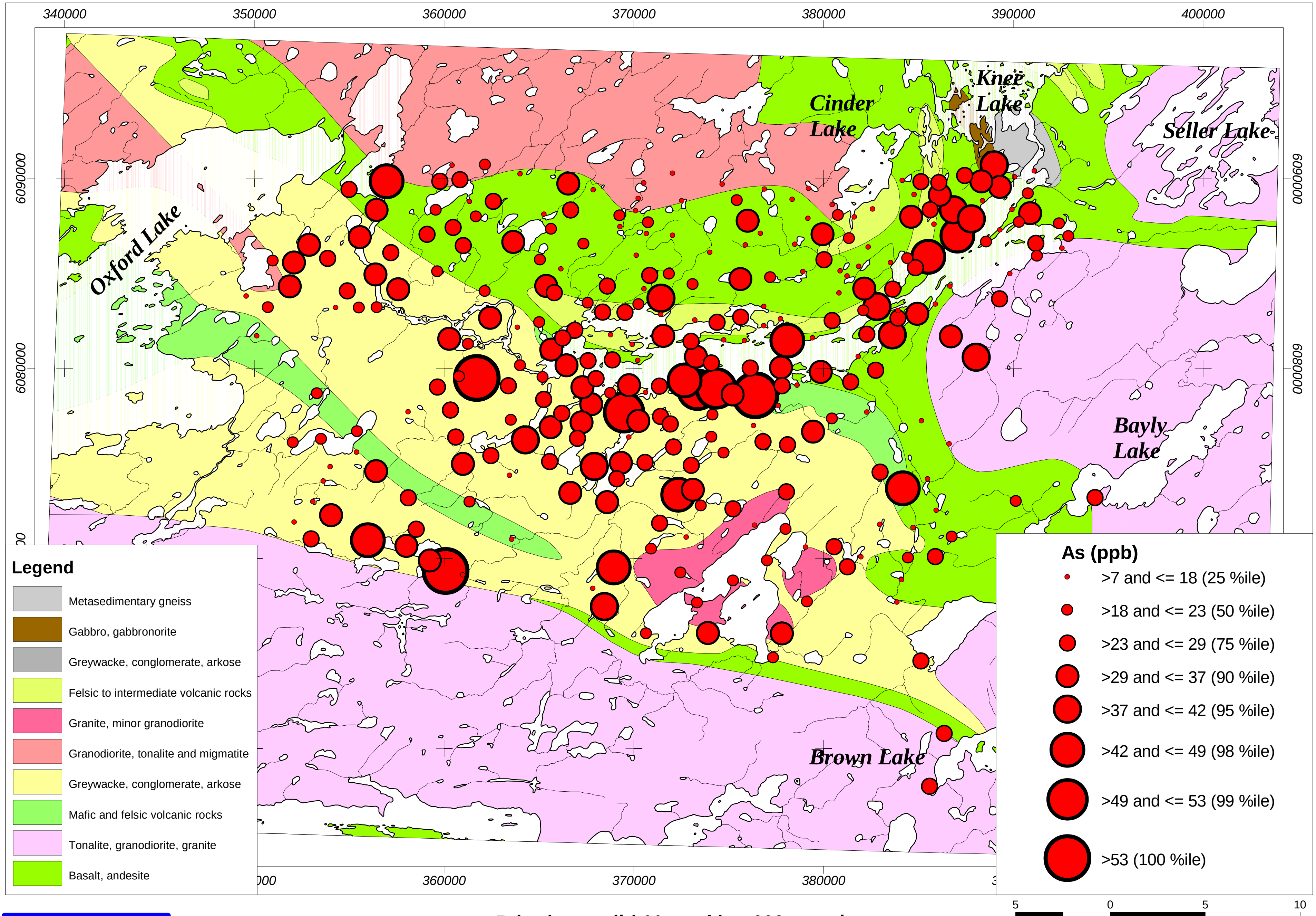
Appendix B-3-9




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

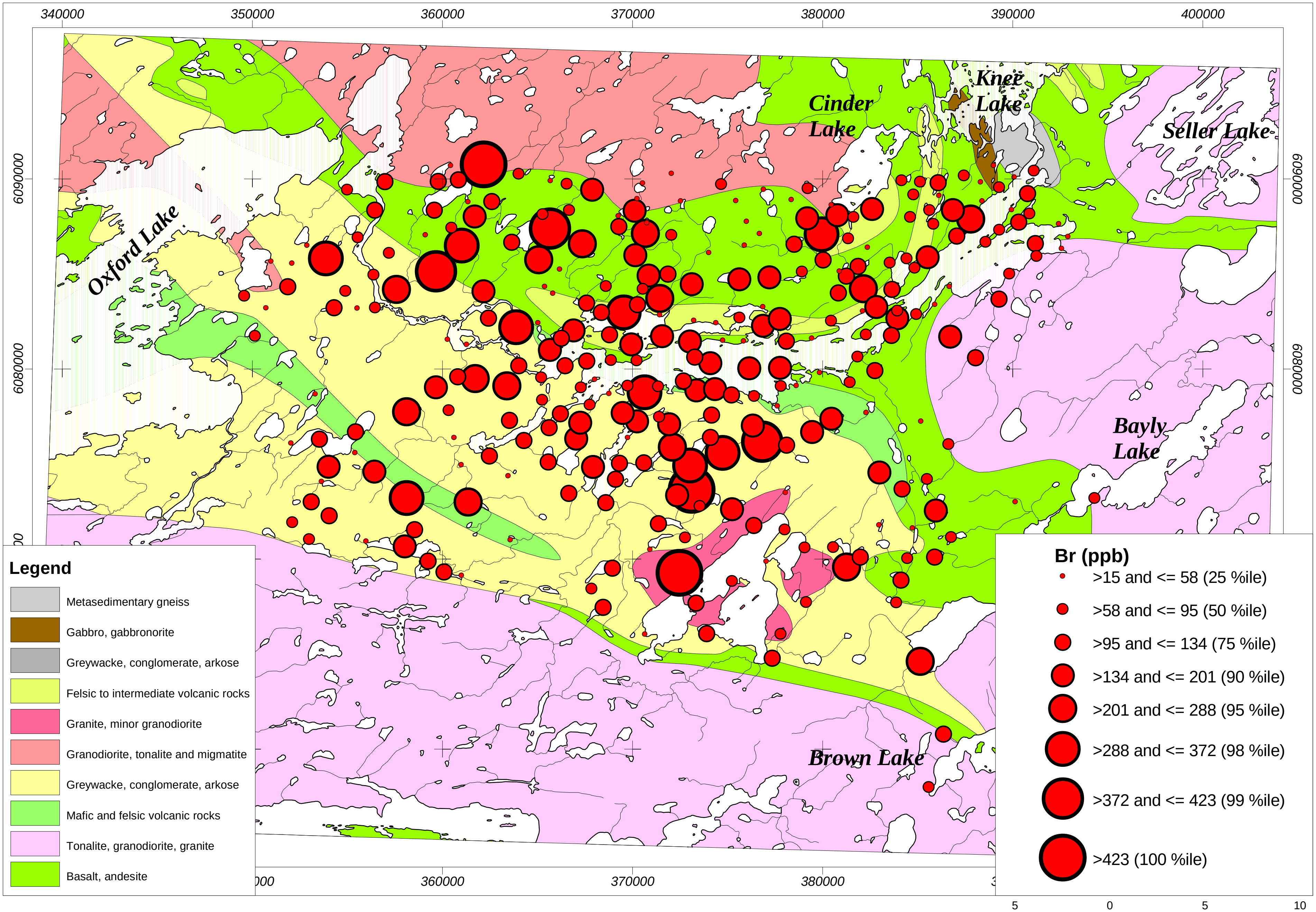
Appendix B-3-10




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

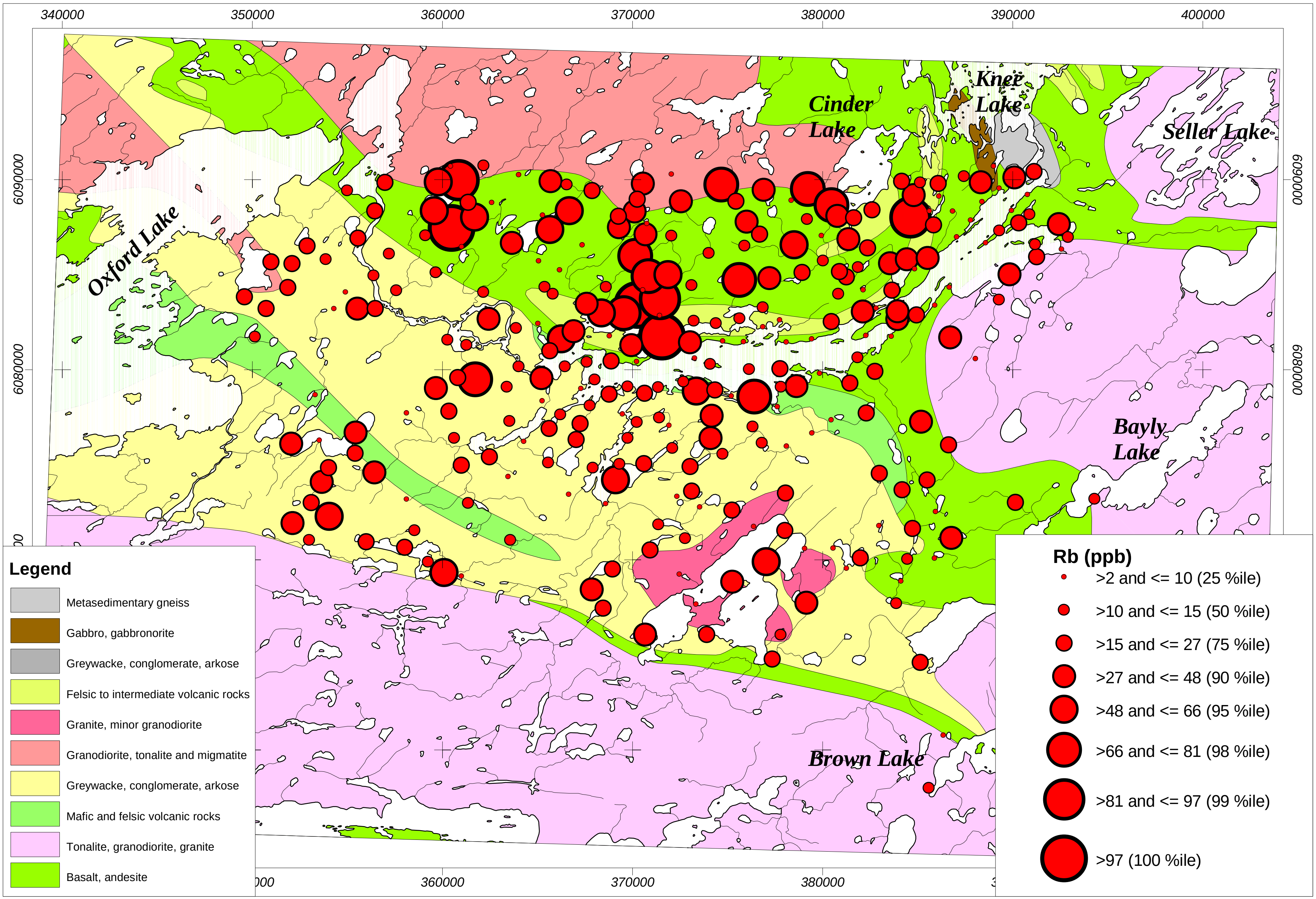
Appendix B-3-11




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

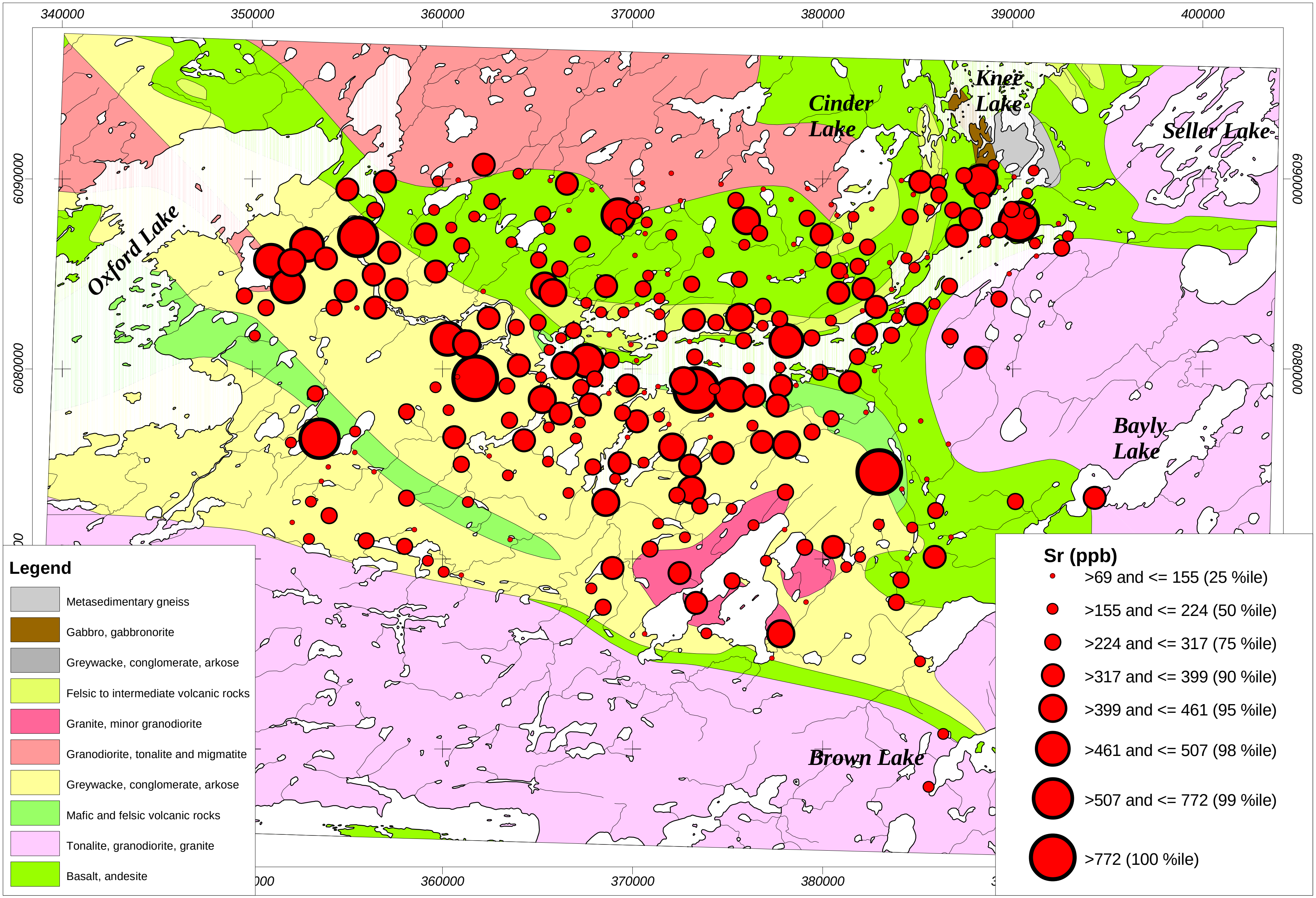
Appendix B-3-12




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

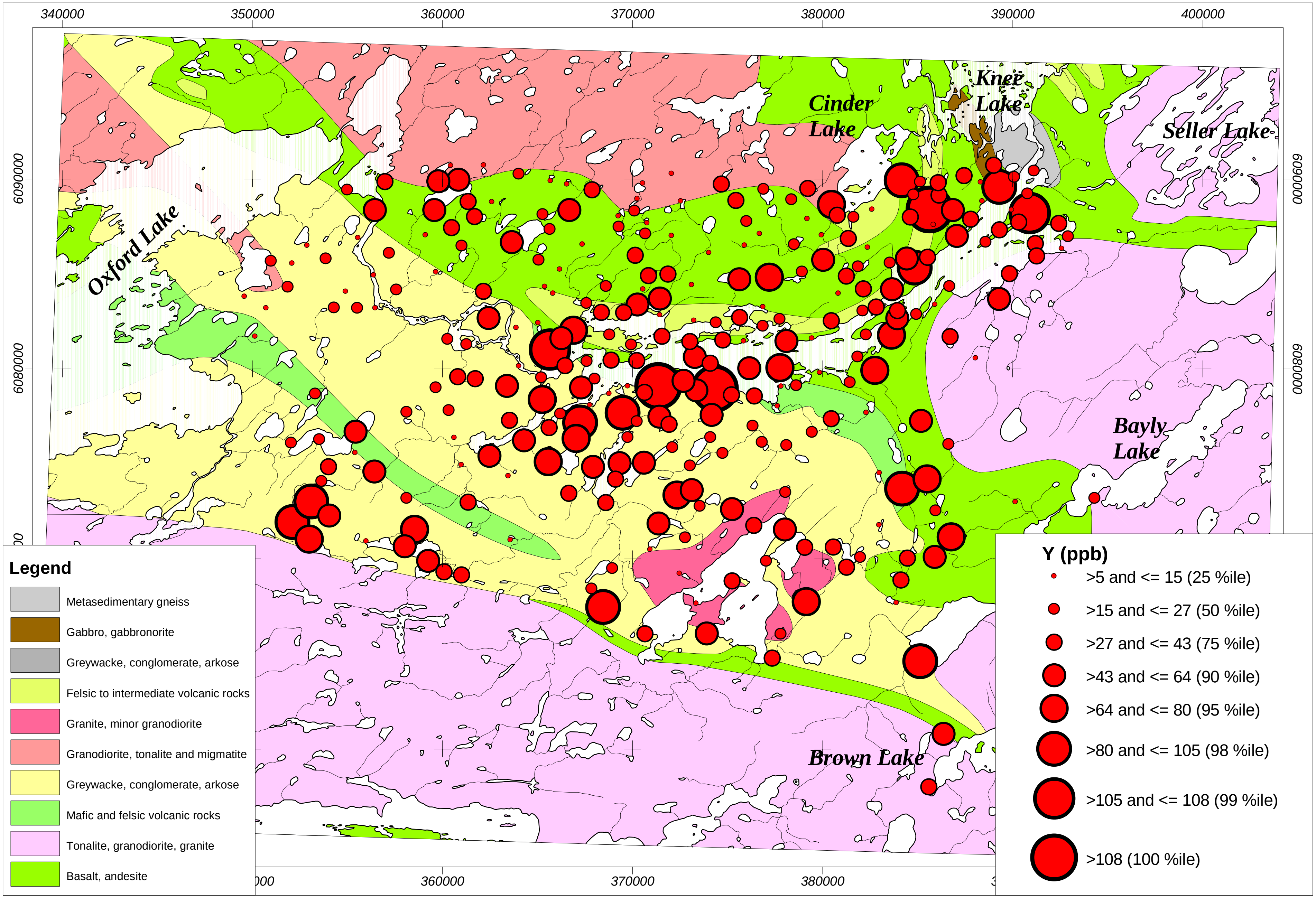
Appendix B-3-13




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

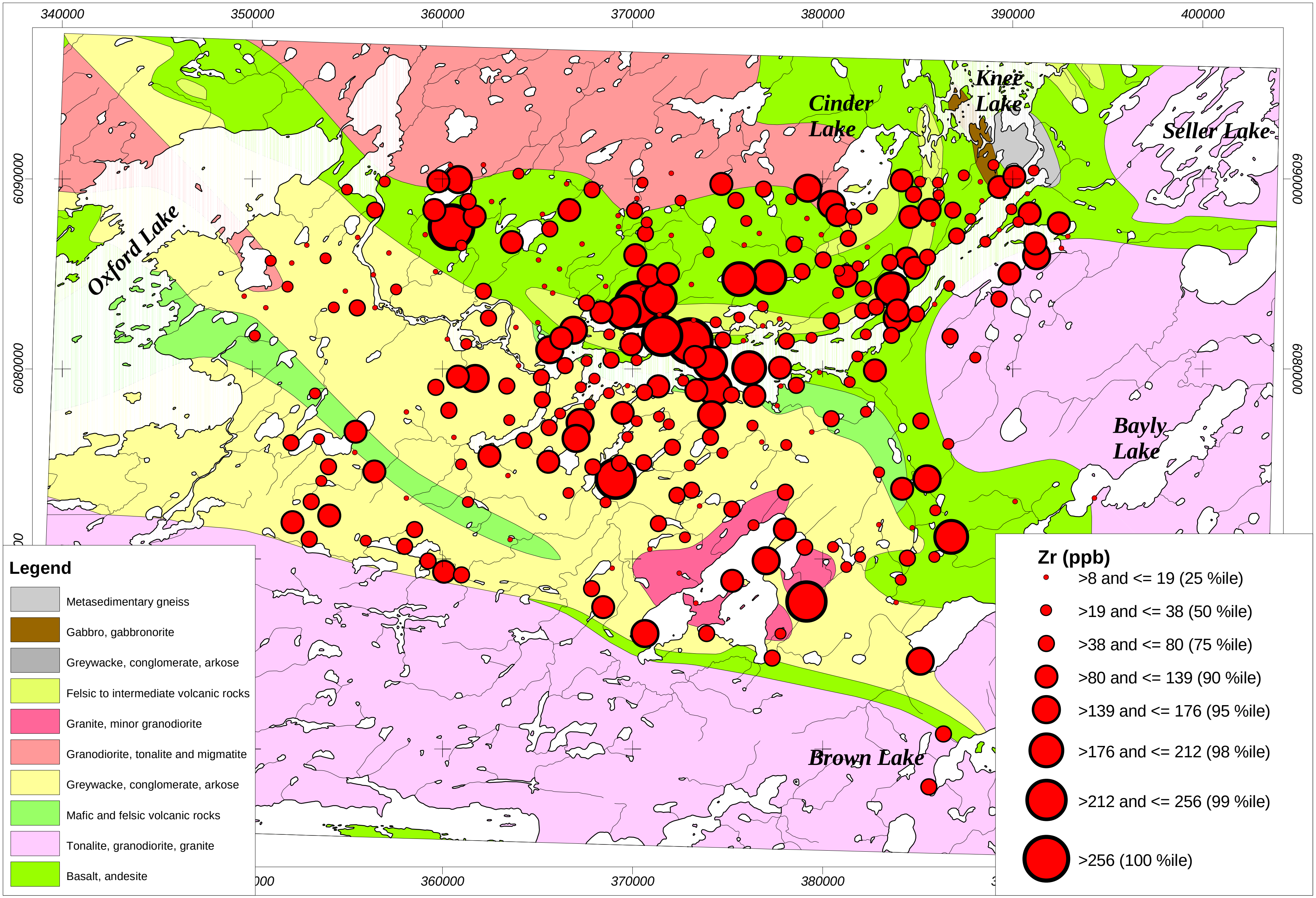
Appendix B-3-14




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

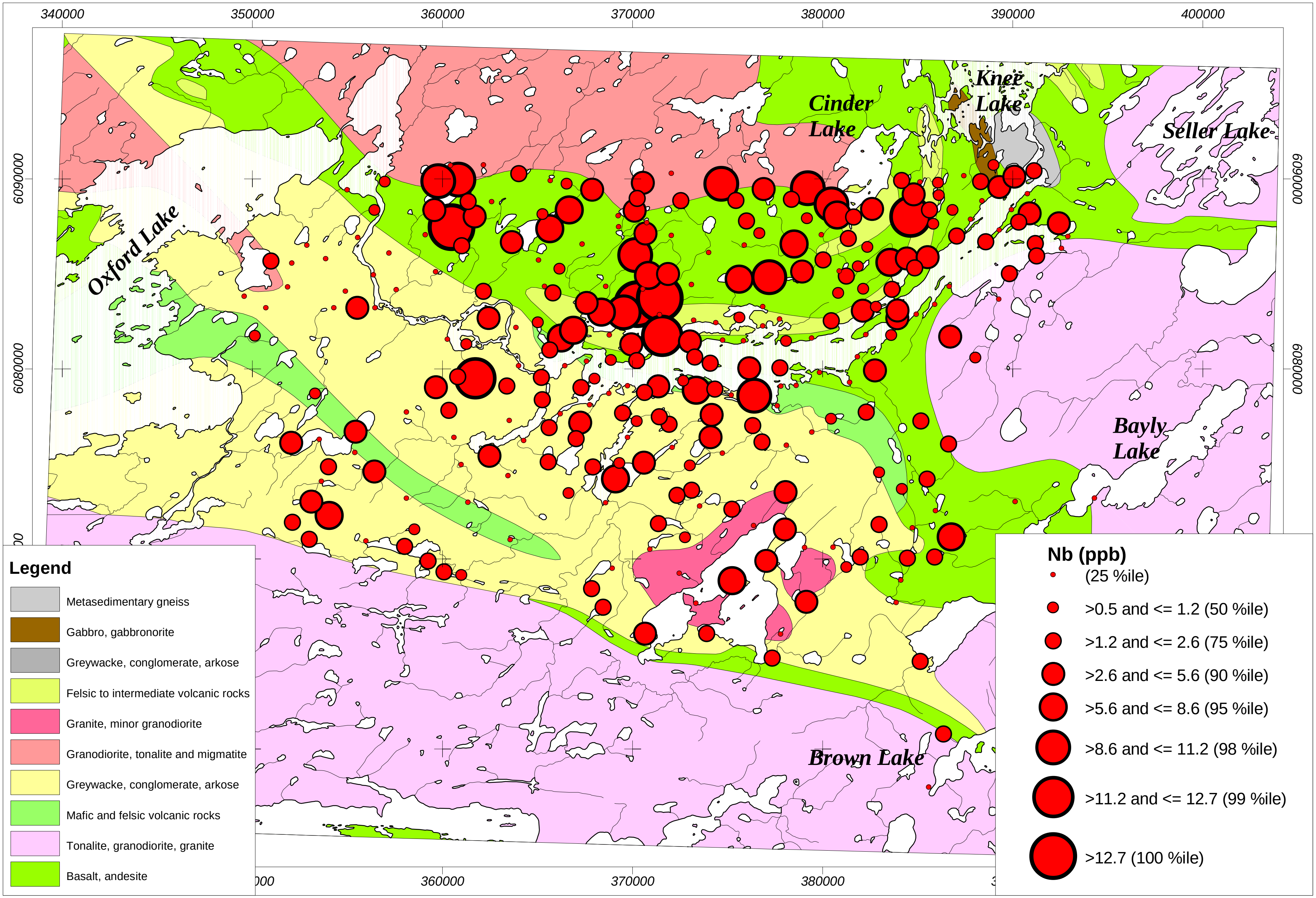
Appendix B-3-15




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

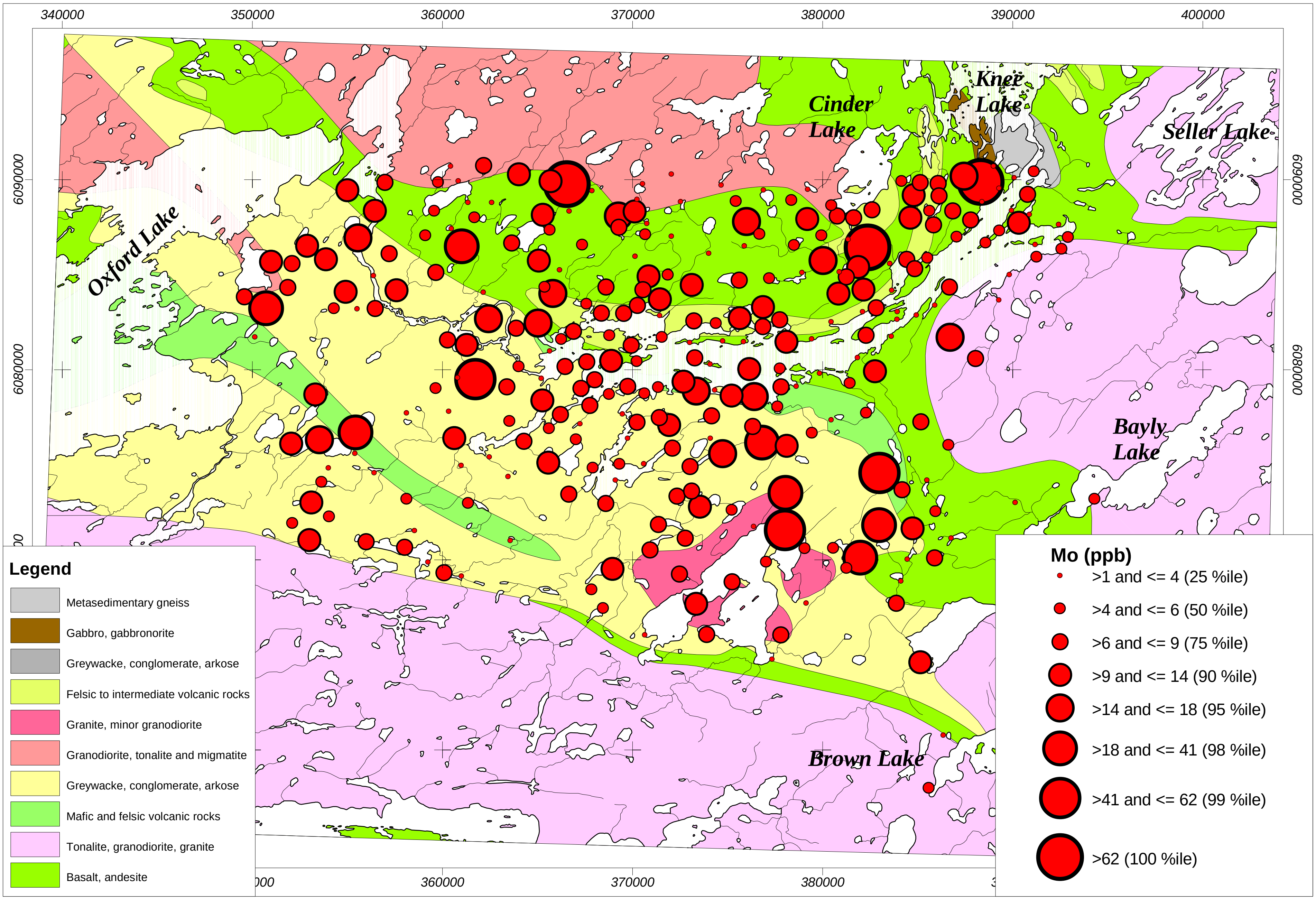
Appendix B-3-16




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

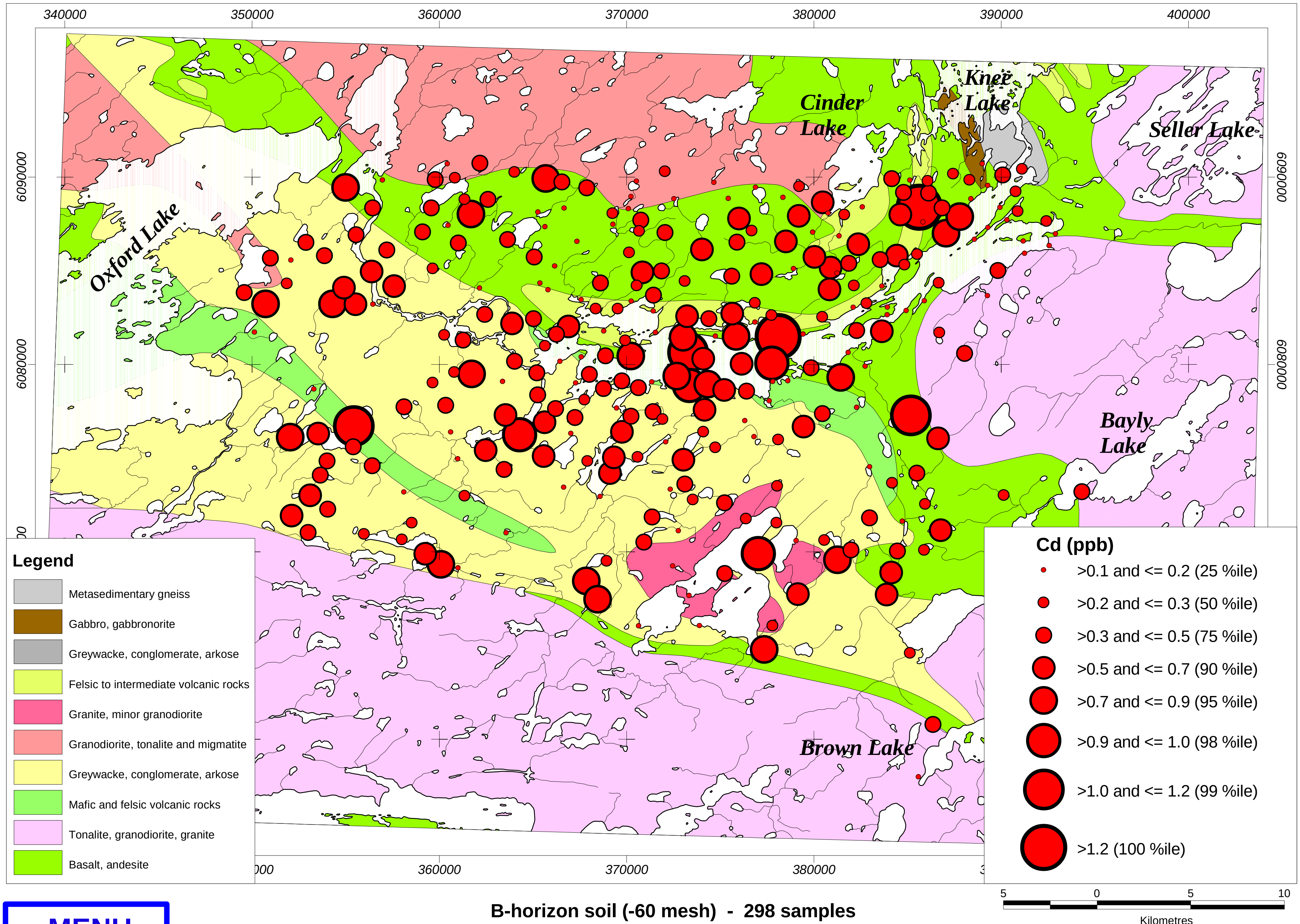
Appendix B-3-17




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

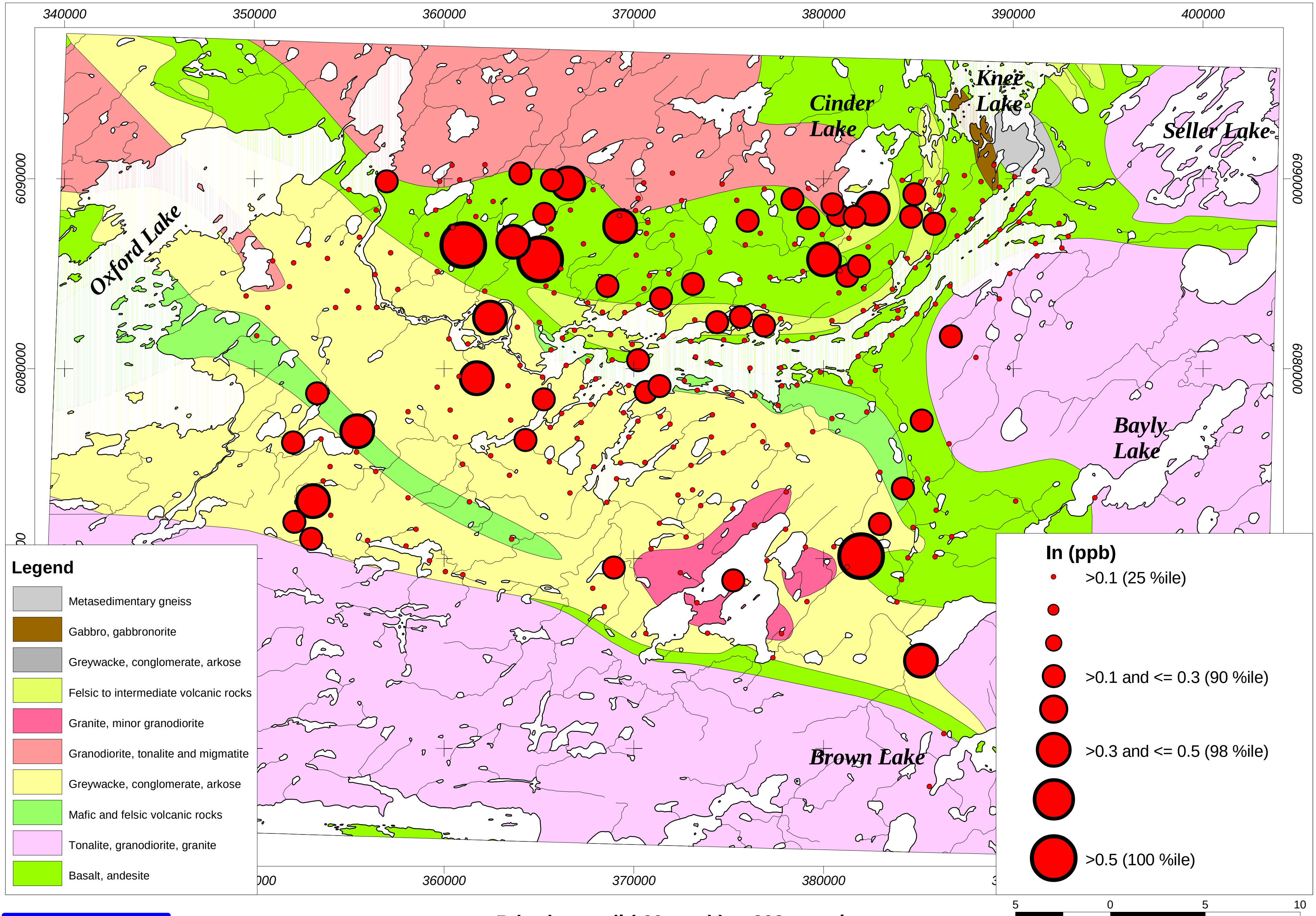
Appendix B-3-18




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

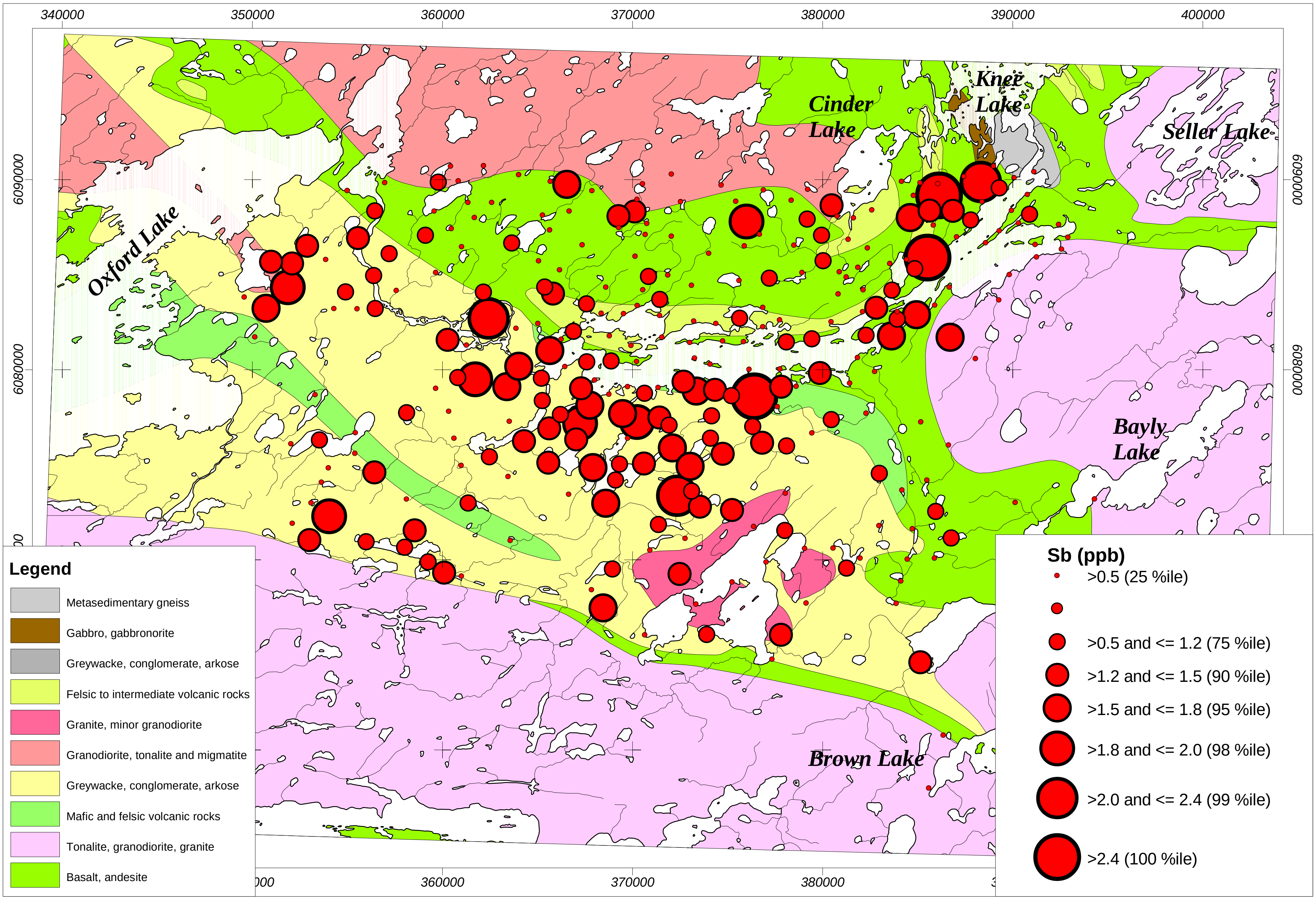
Appendix B-3-19




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

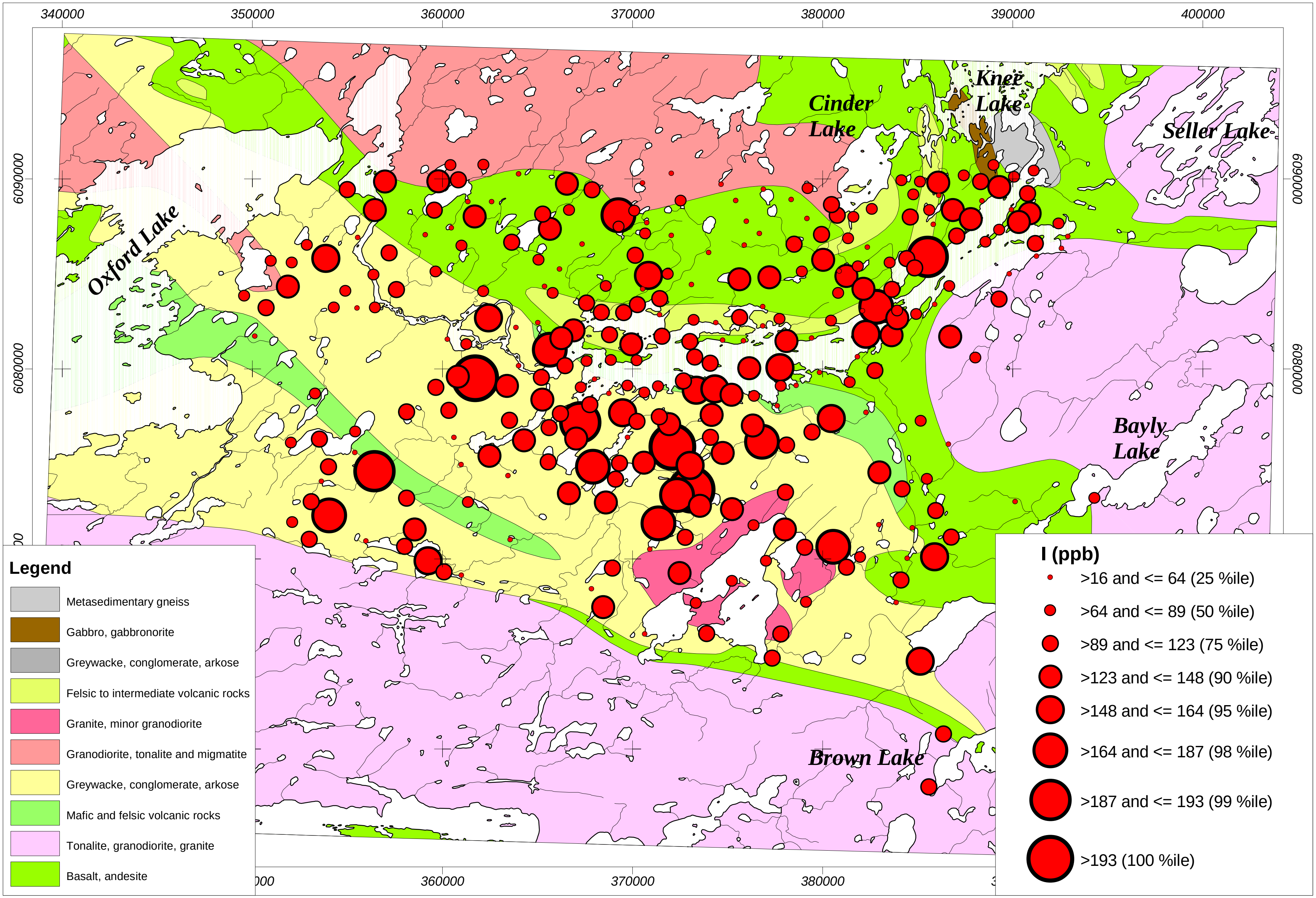
Appendix B-3-20




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

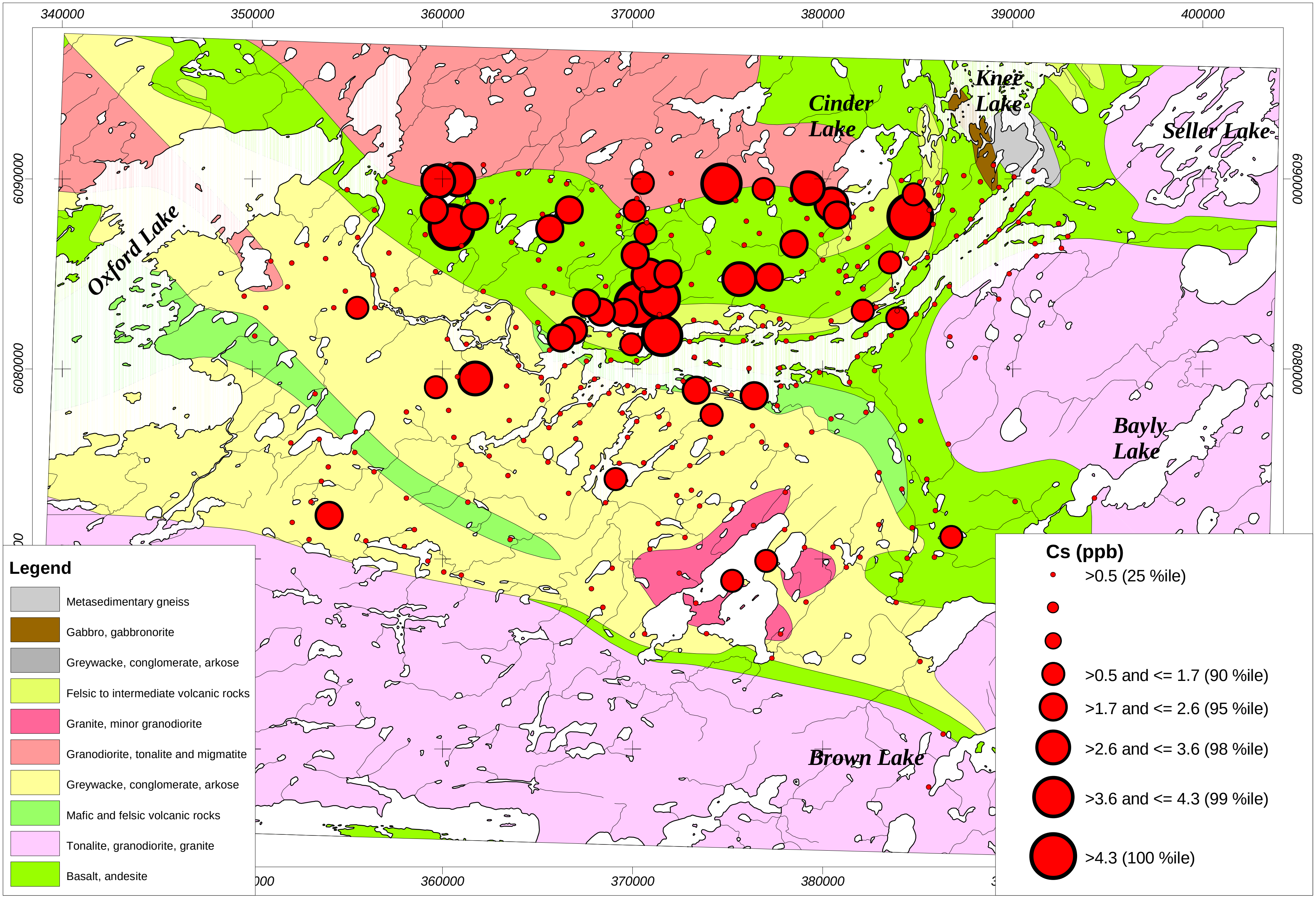
Appendix B-3-21




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

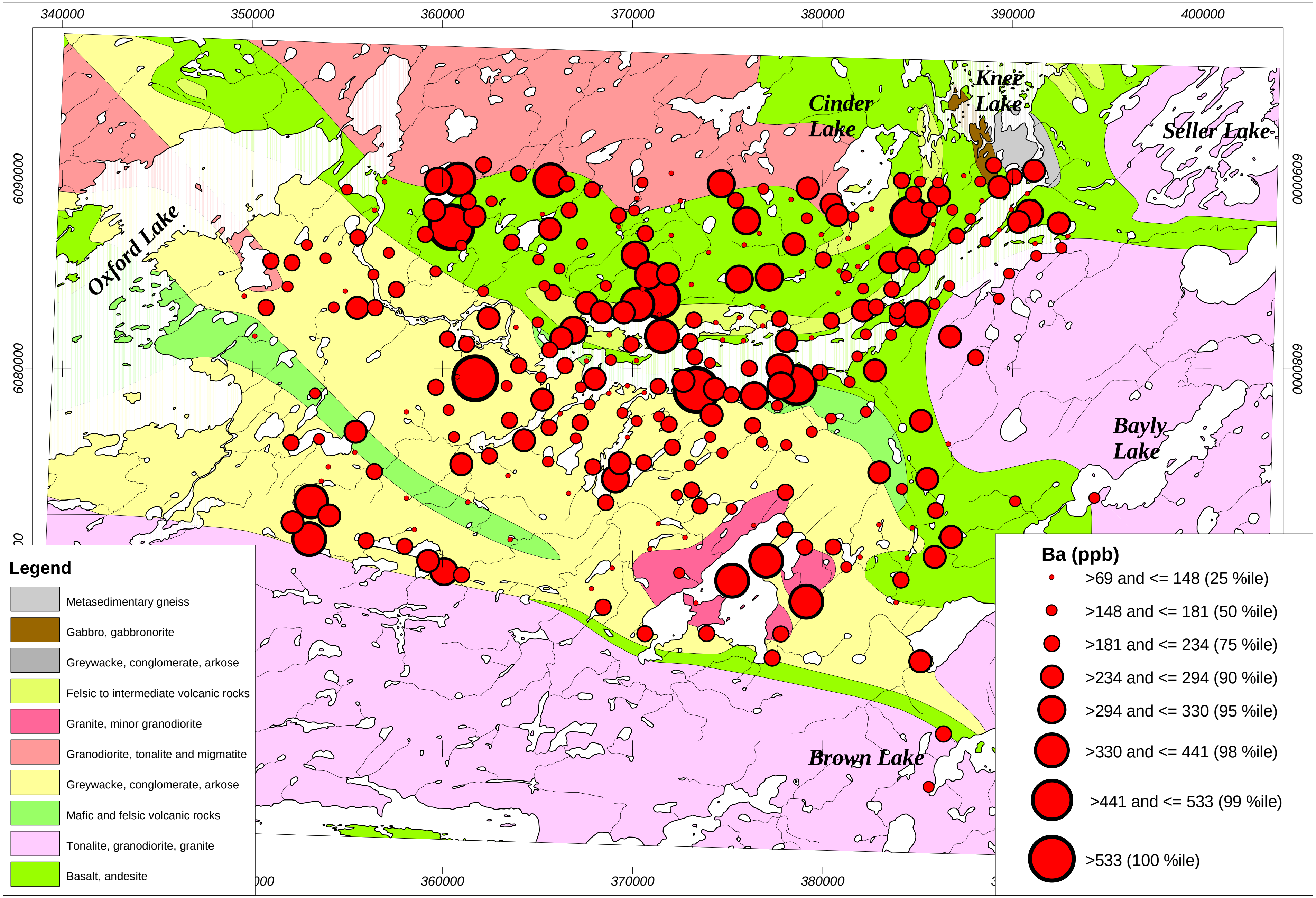
Appendix B-3-22




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

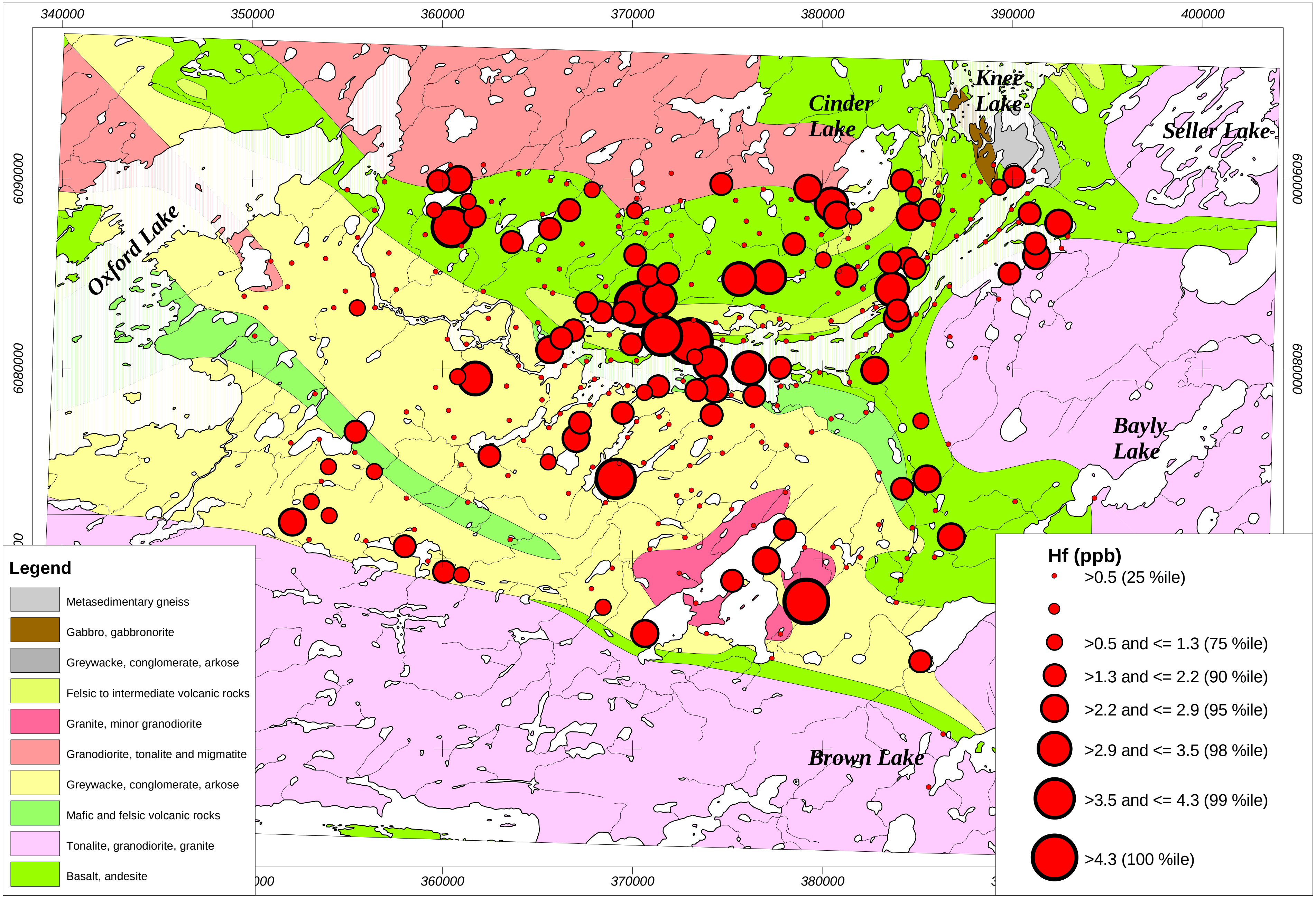
Appendix B-3-23




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

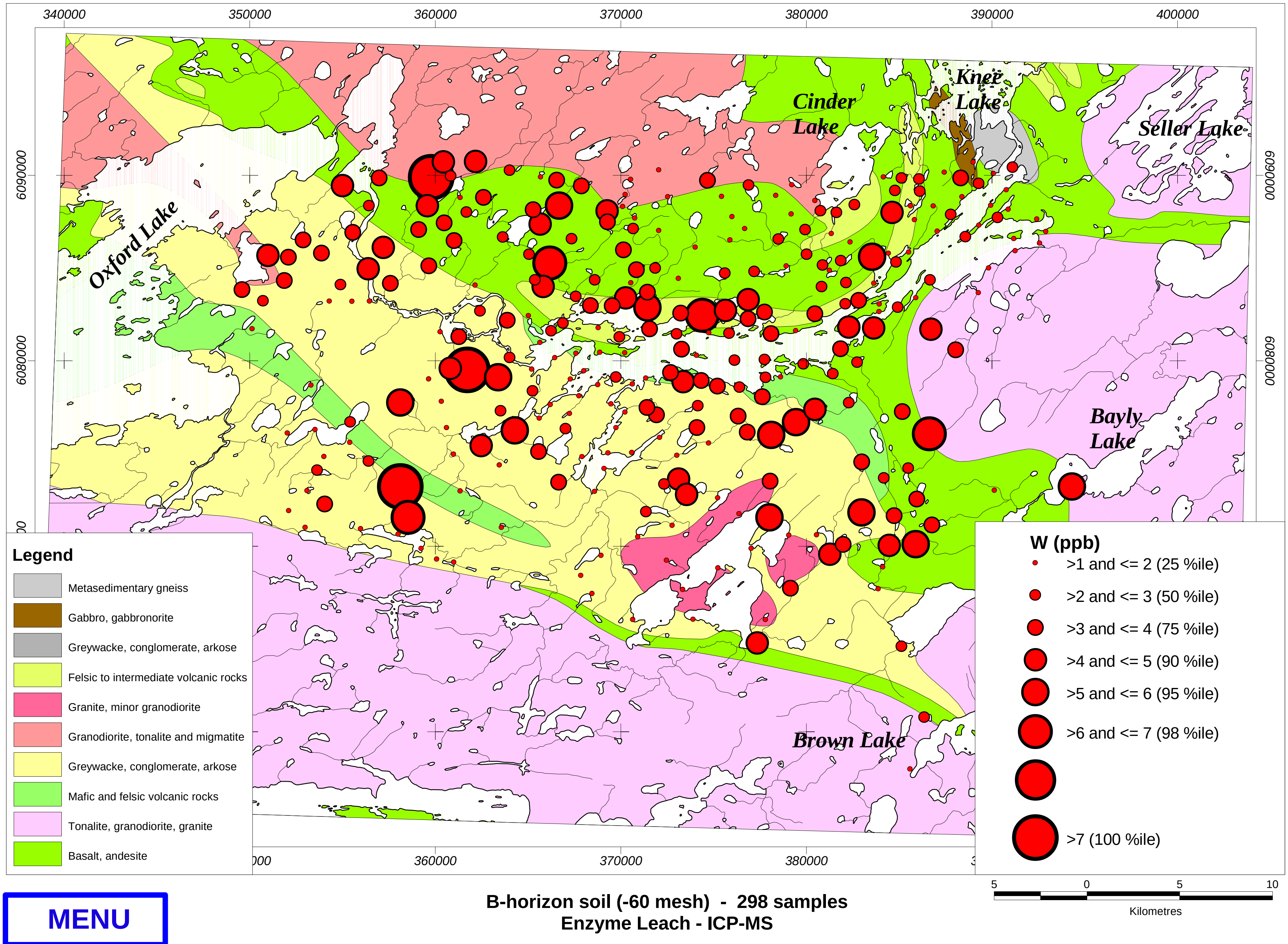
Appendix B-3-24




MENU

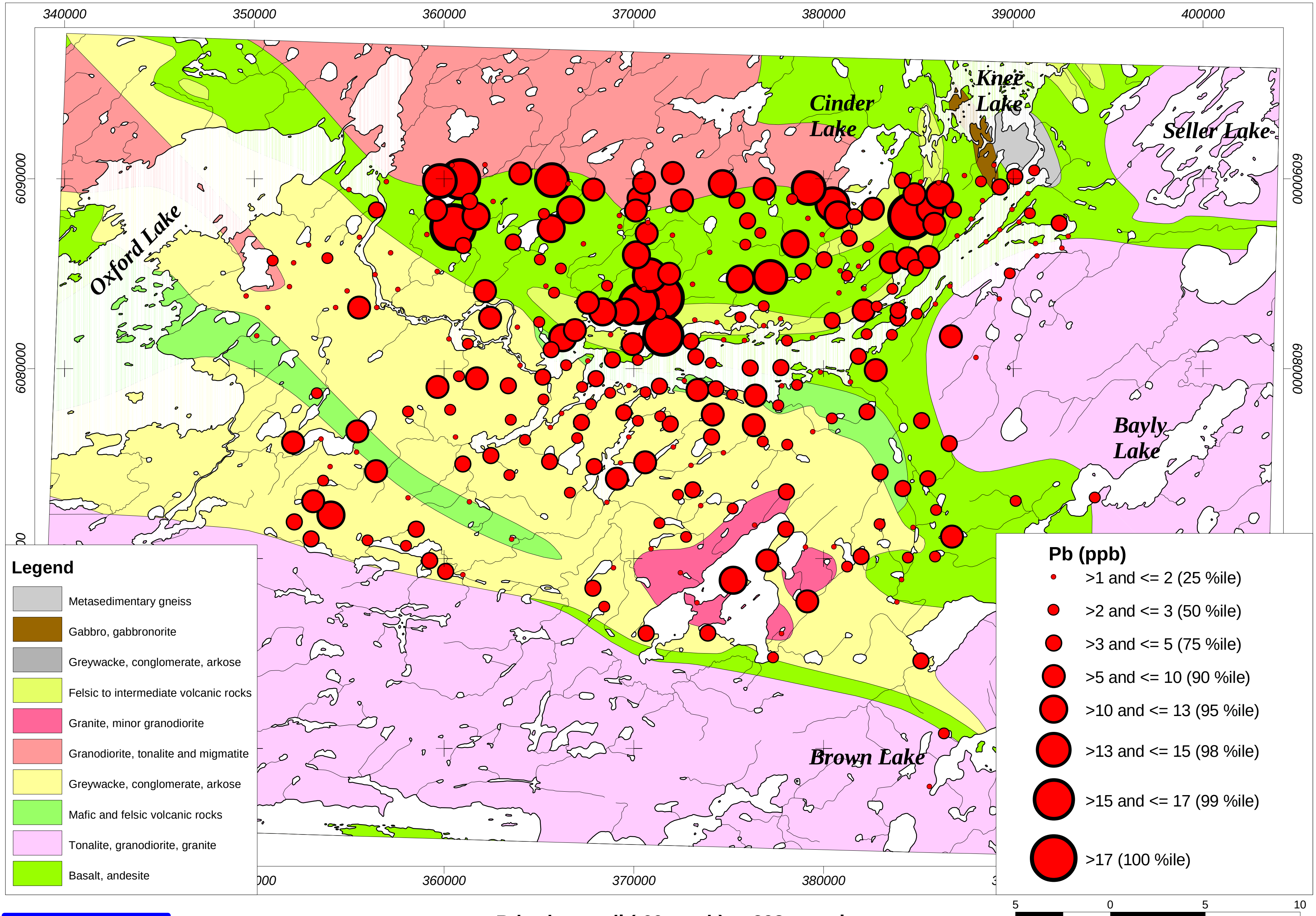
**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

Appendix B-3-25




**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

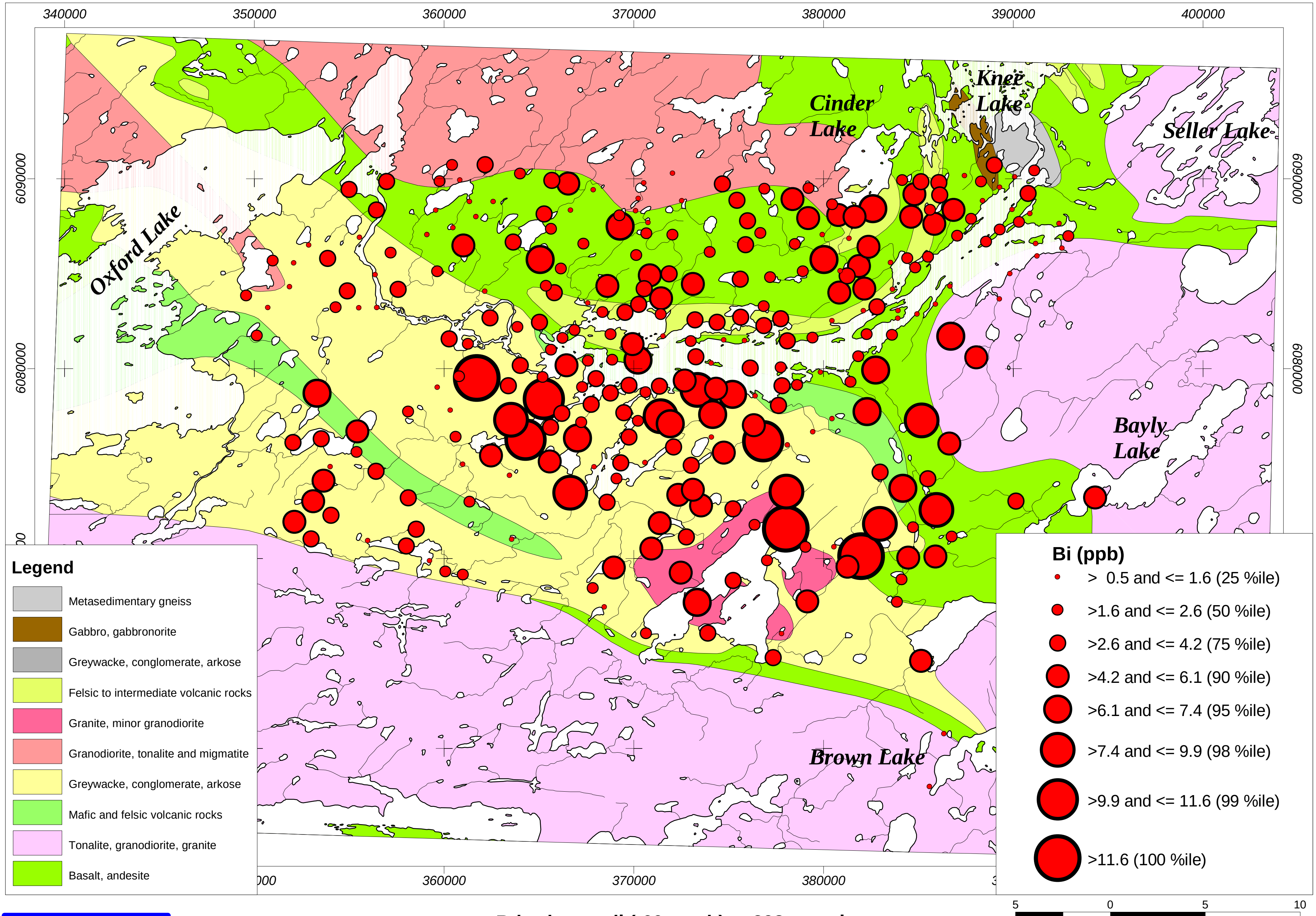
Appendix B-3-26




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

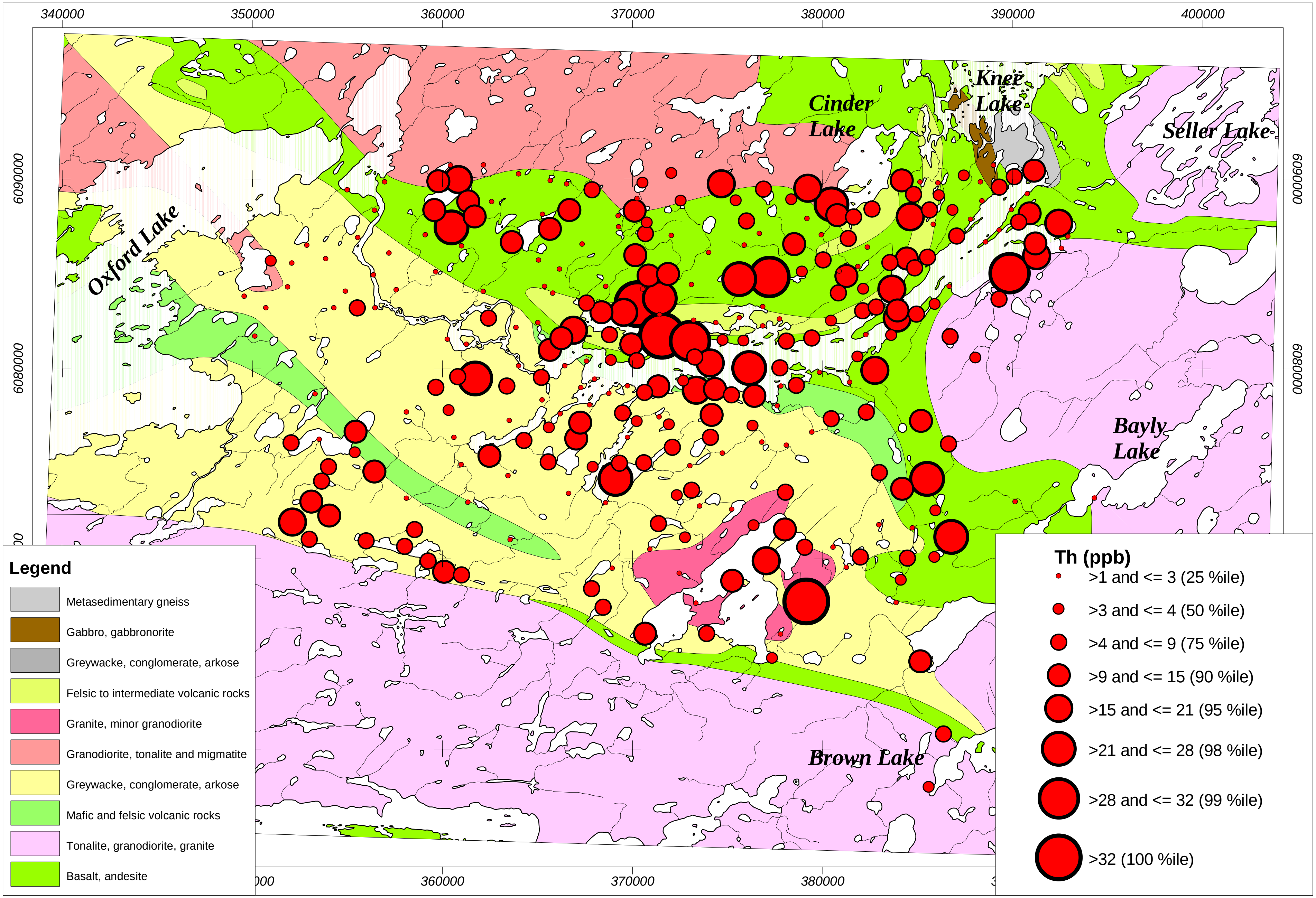
Appendix B-3-27




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

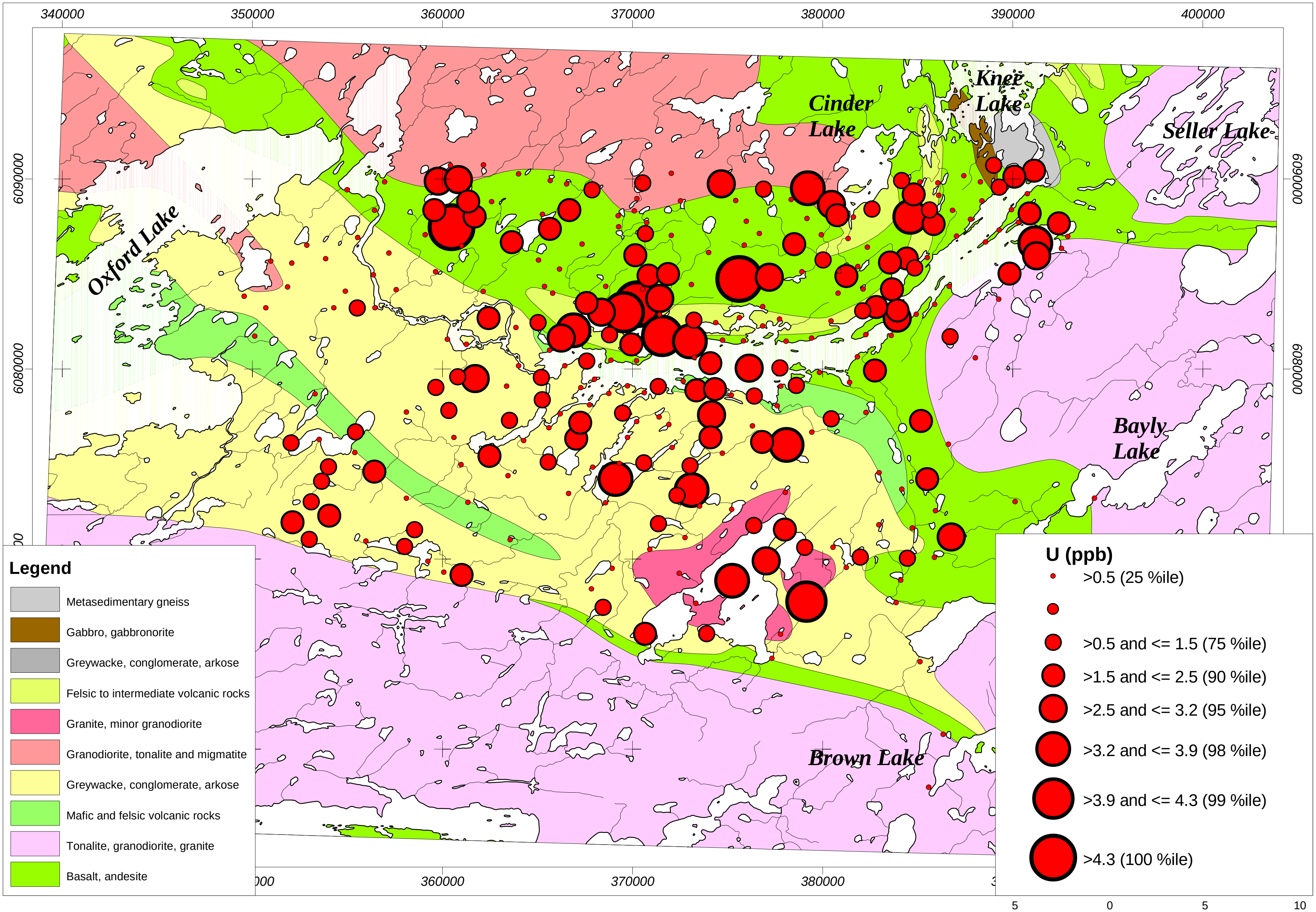
Appendix B-3-28




MENU

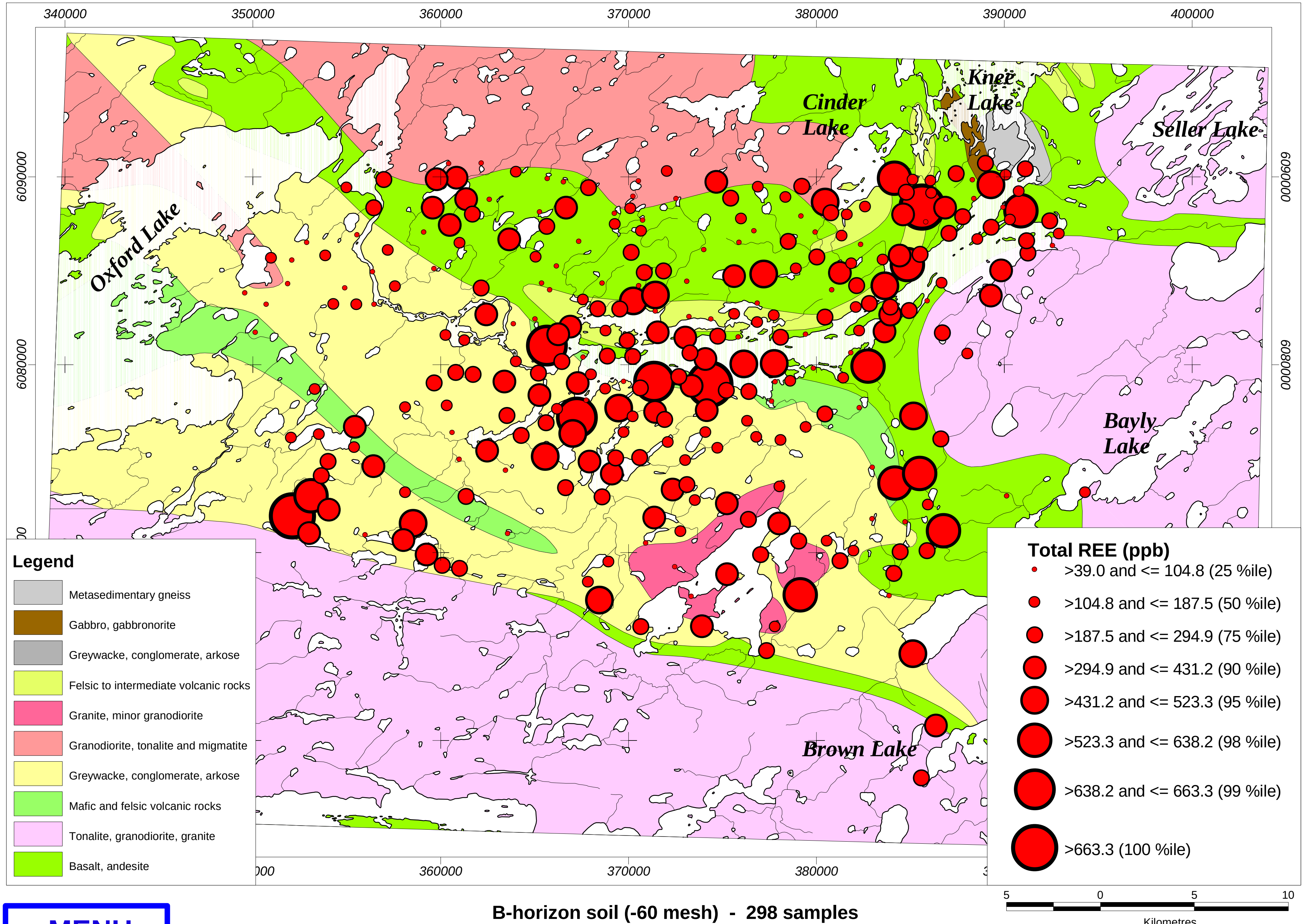
**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

Appendix B-3-29



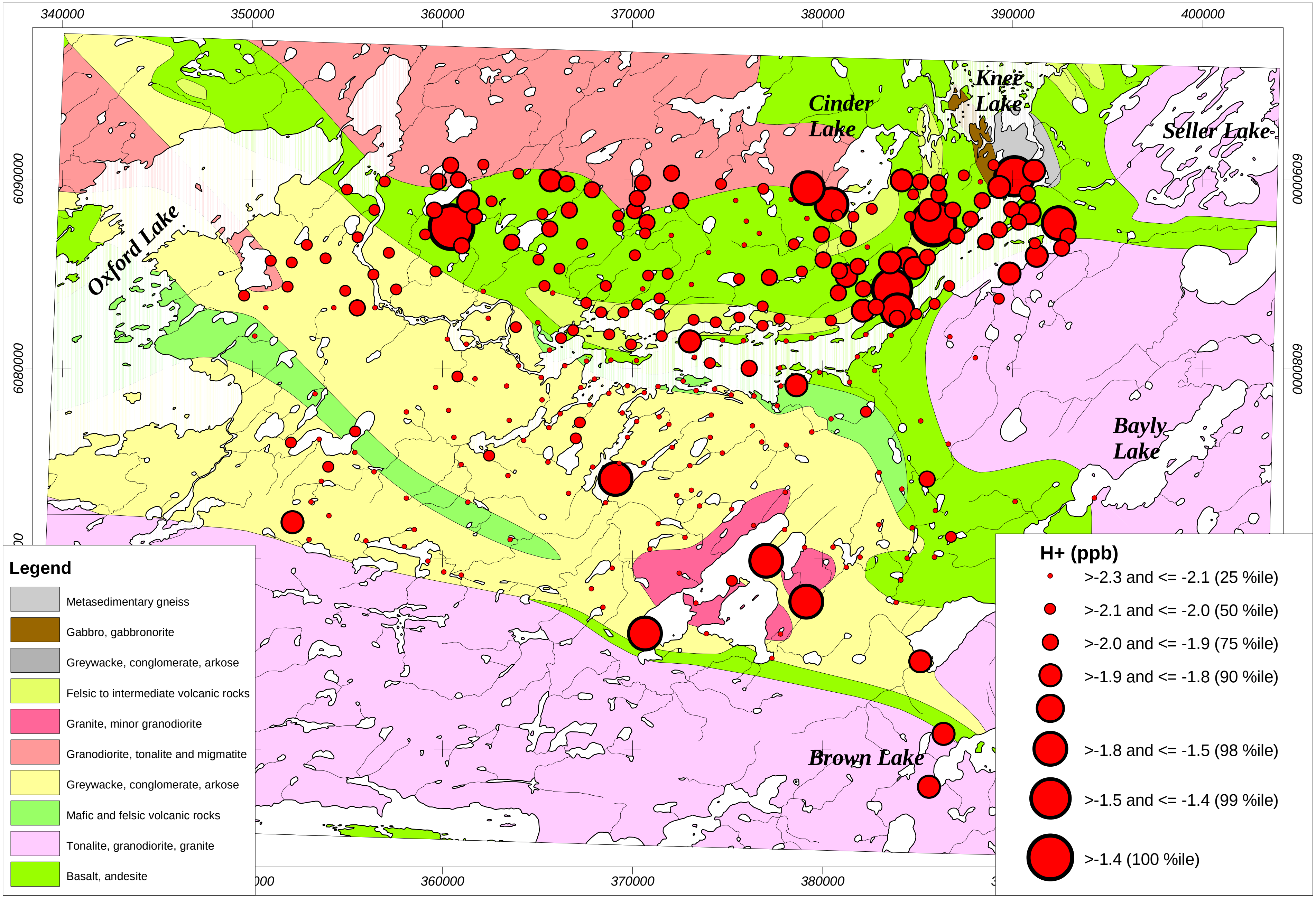

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

MENU




**MENU**

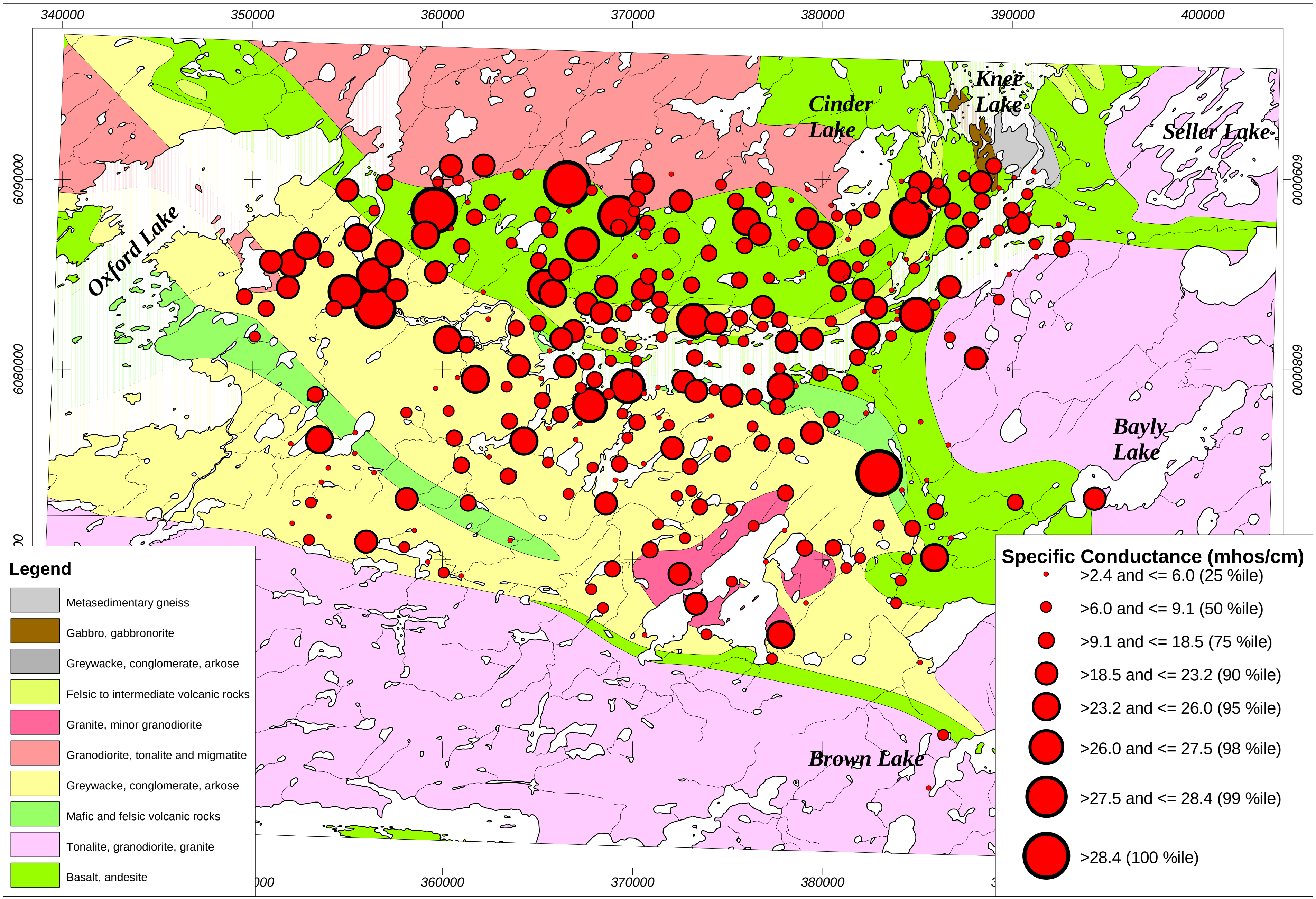
**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**




**MENU**

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

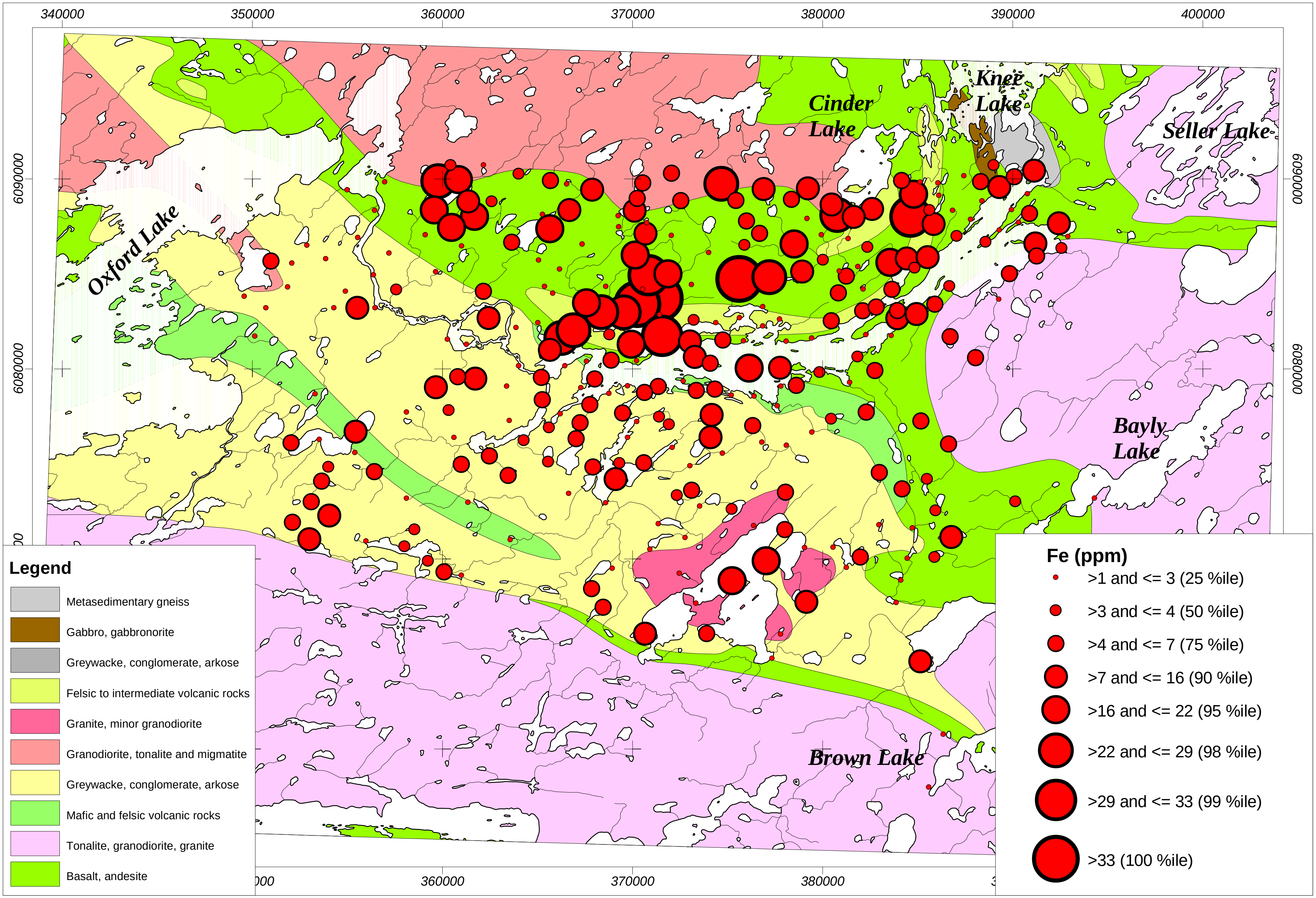
Appendix B-3-32




**MENU**

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

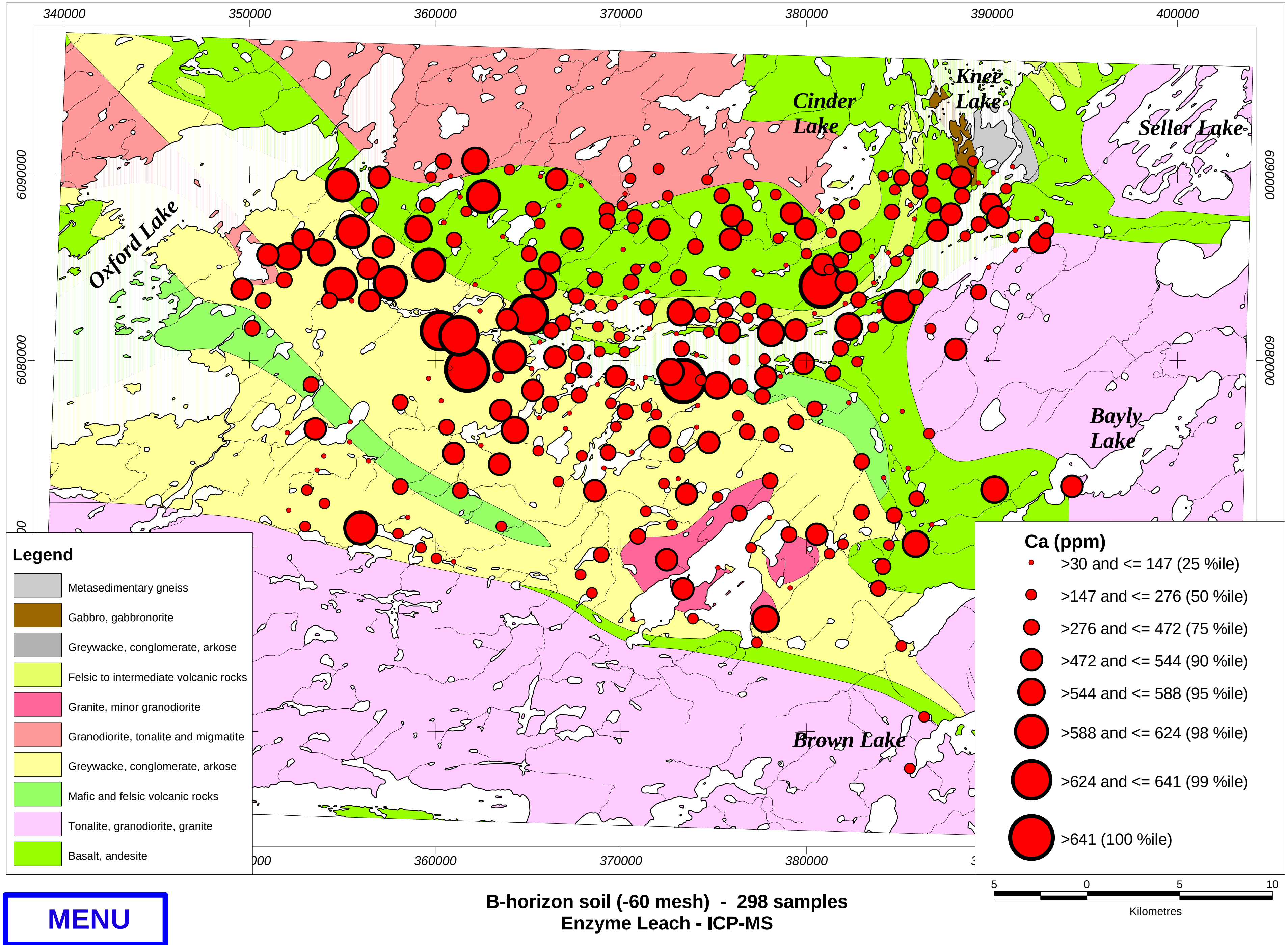
Appendix B-3-33




**MENU**

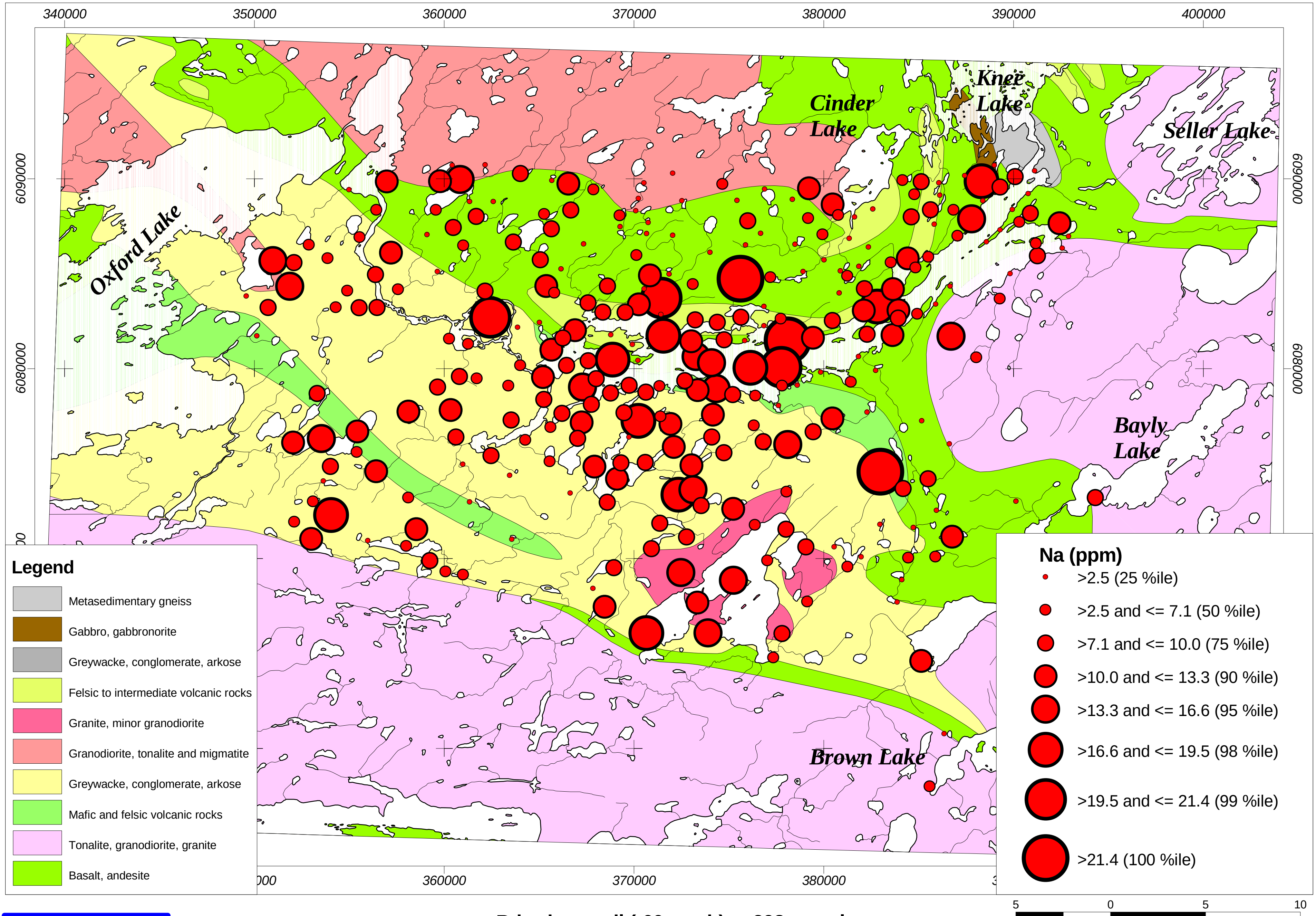
**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

Appendix B-3-34




MENU

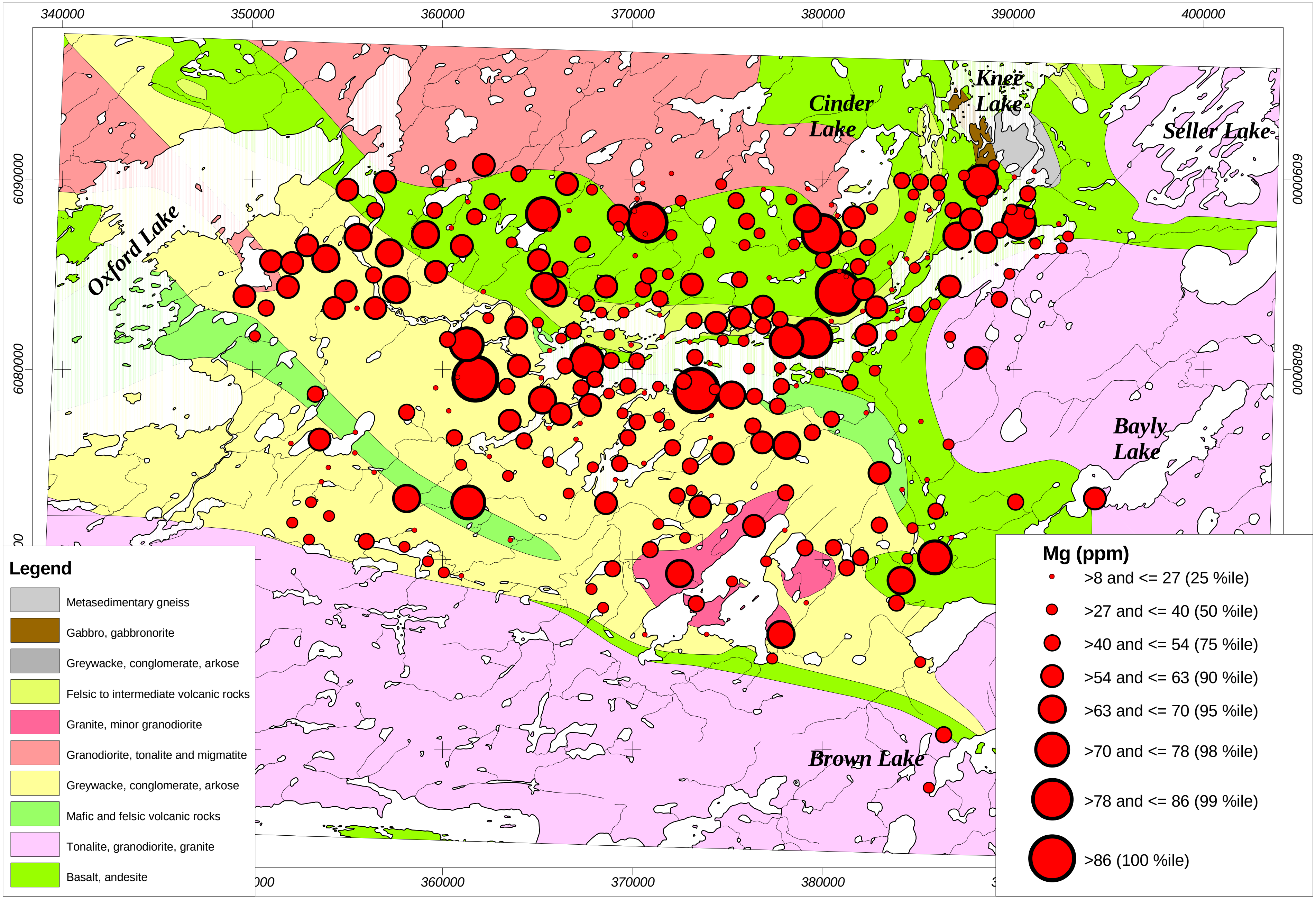
**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

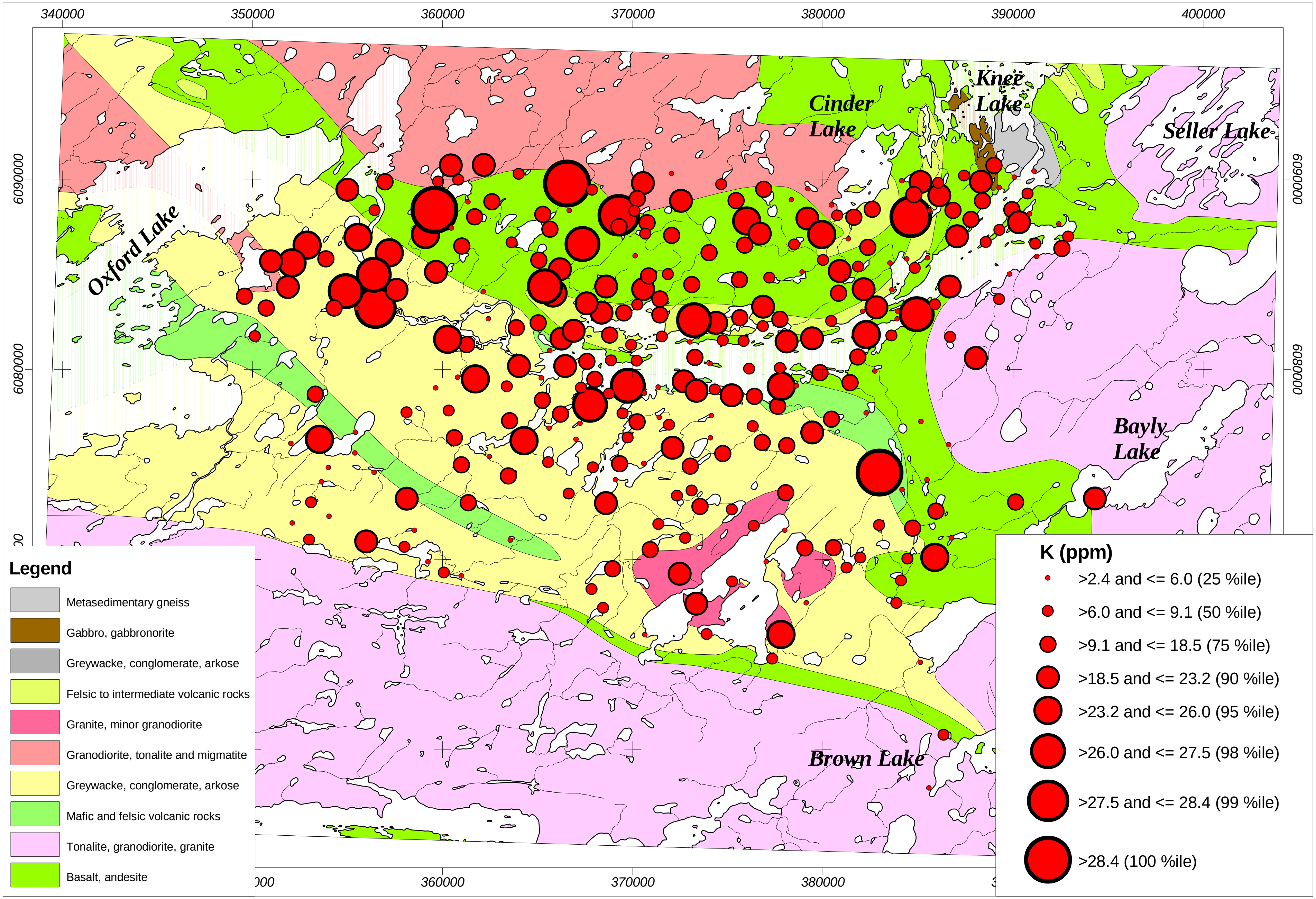
Appendix B-3-36




**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

MENU

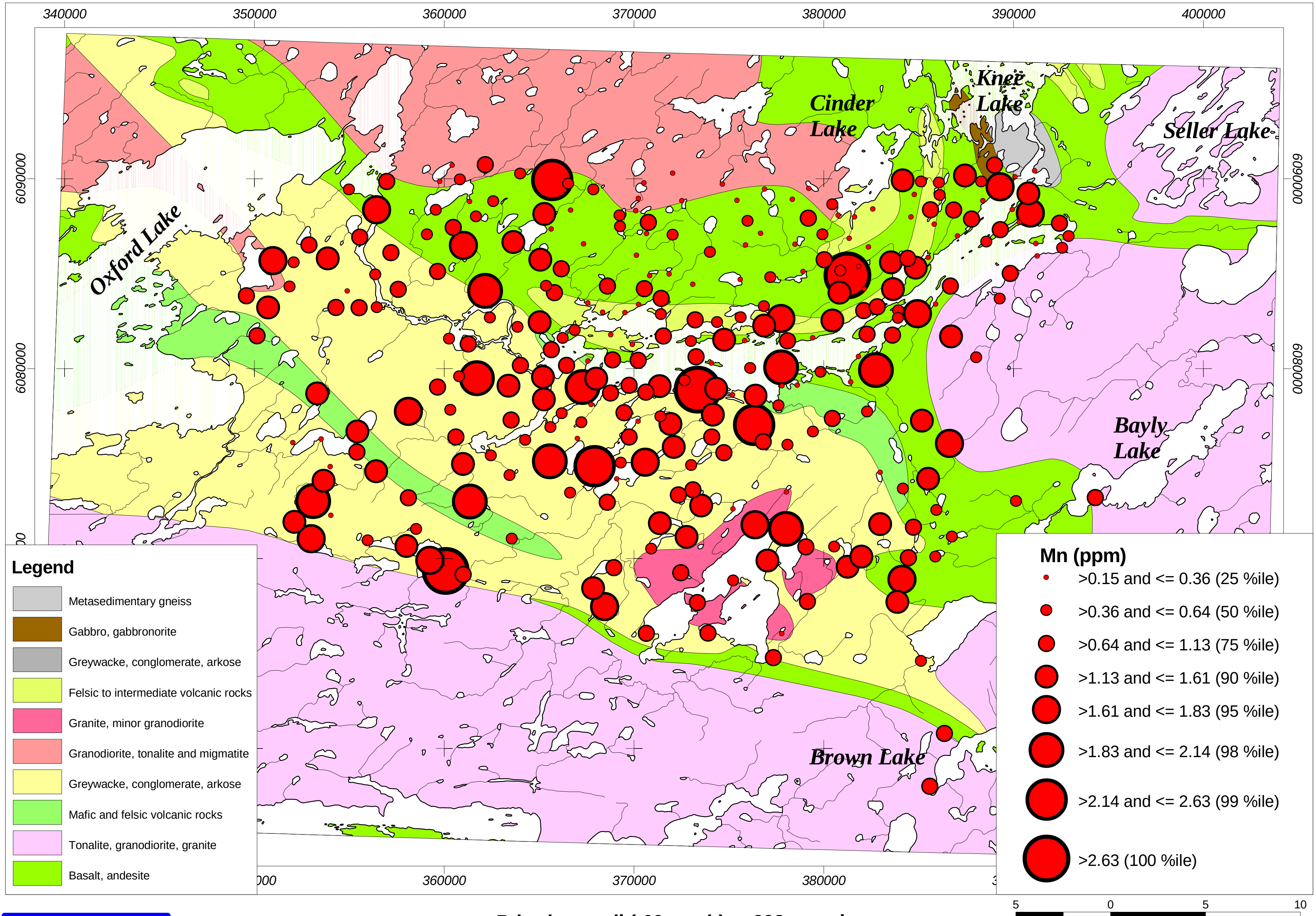
Appendix B-3-37




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

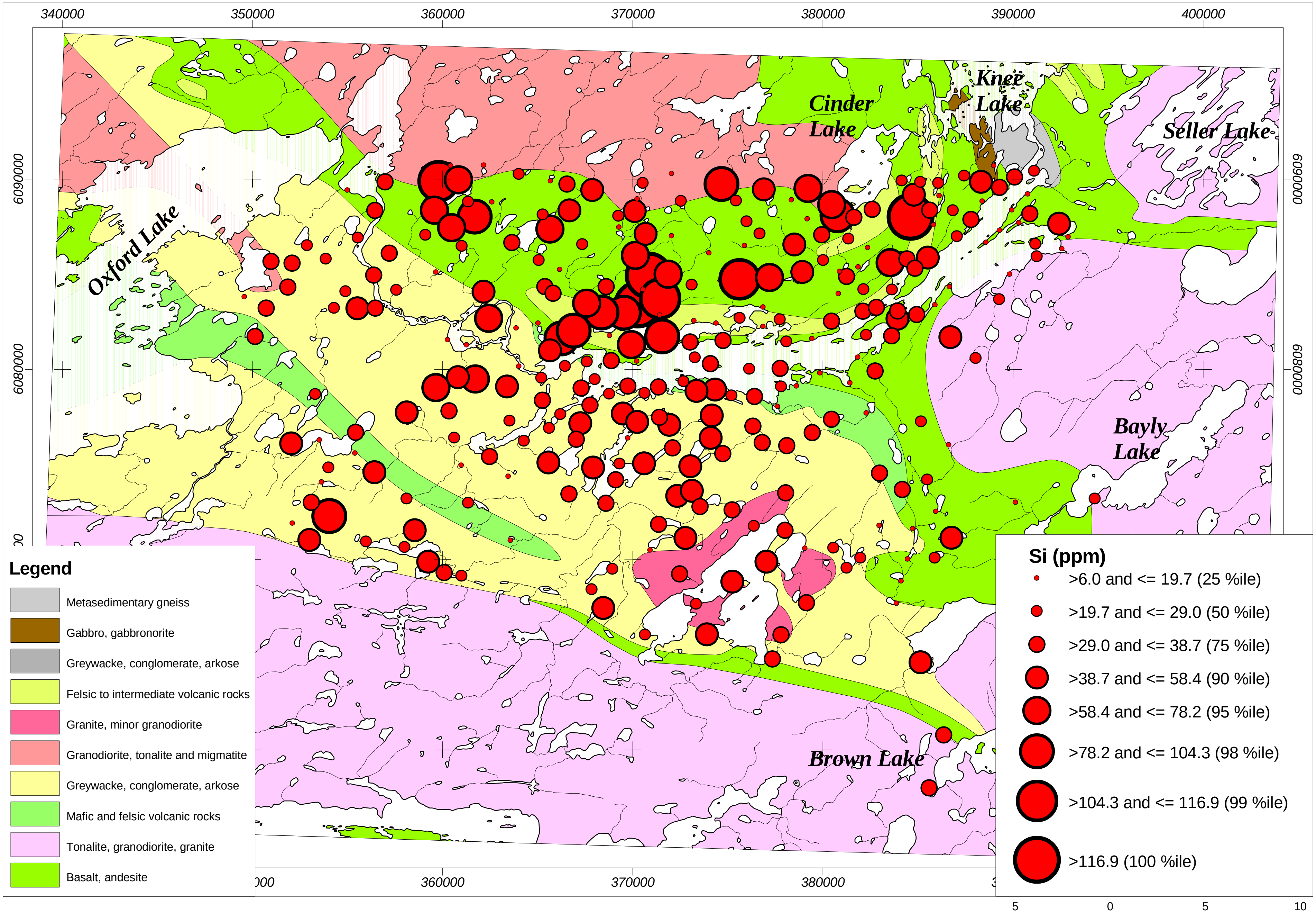
Appendix B-3-38




MENU

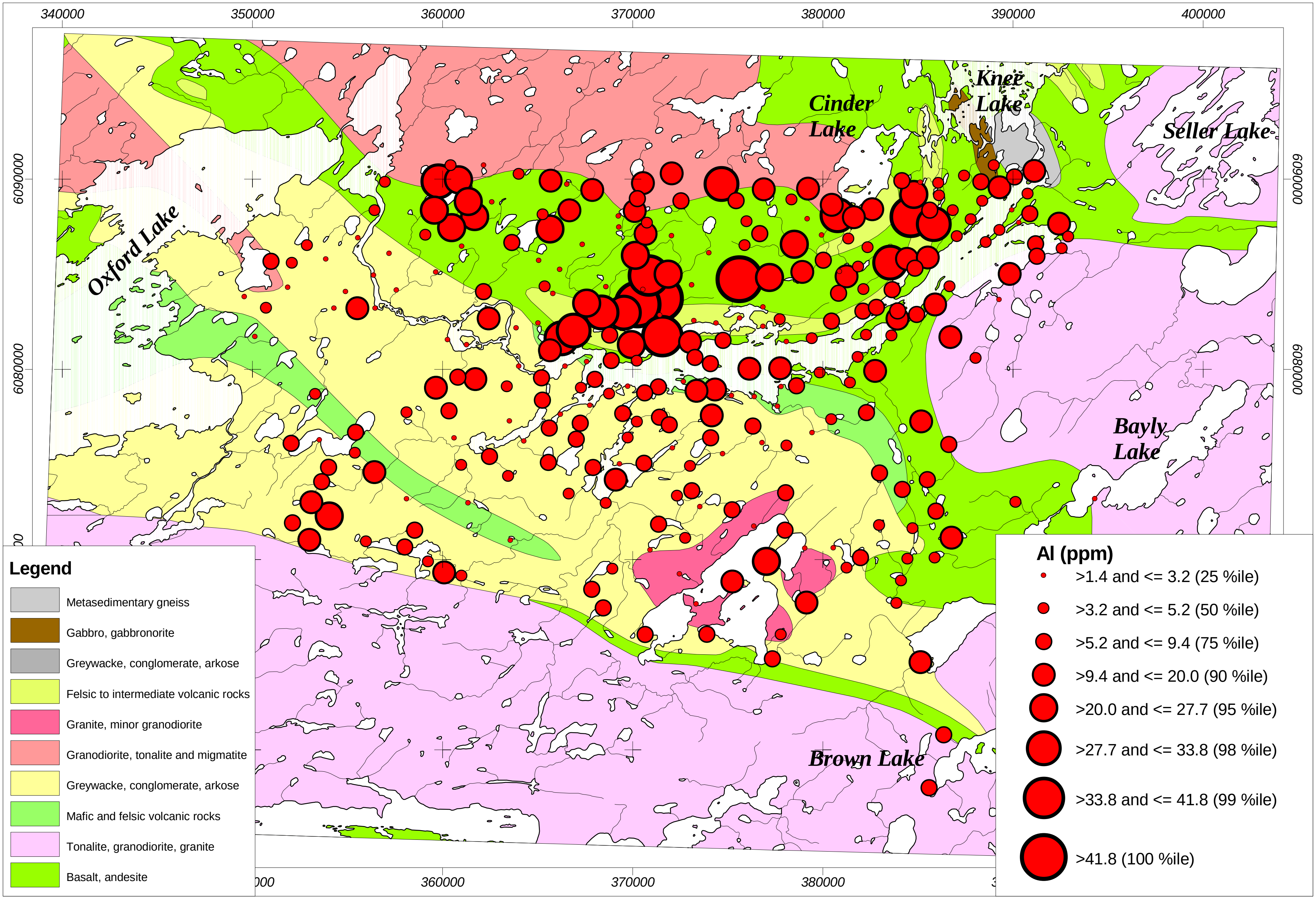
**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

Appendix B-3-39




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**




MENU

**B-horizon soil (-60 mesh) - 298 samples**
**Enzyme Leach - ICP-MS**

## HUMUS GEOCHEMICAL SURVEY

### Sample collection

Humus samples were collected from beneath the moss mat that was normally removed prior to digging the till sample pit. Where the humus layer was too thin or had become contaminated with inorganic sediment during the course of digging, the sample site was moved to a suitable location 5-10 m away from the till hole. The humus collected from these sites was generally moderately to well humified and had a fine grained, sooty consistency. Care was taken not to include inorganic material with this sample type. Enough humus was collected to fill a large ZIPLOC freezer bag. At some locations, the humus was a dark brown colour and less humified. In burned areas, humus was collected as residual mats off of boulders or from low-lying areas or small gullies where the temperatures associated with the fire had not been sufficiently high so as to ash the humus. Duplicate samples were collected at approximately every tenth site.

### Sample preparation and analysis

Humus samples were air dried at room temperature on disposable plastic plates in the laboratory of the Manitoba Geological Survey. After drying, the samples were sieved and the -80 mesh size fraction retained. This sample was forwarded to Activation Laboratories Ltd. (Ancaster, Ontario) for INA and ICP-AES analysis. The ICP-AES analysis at Activation Laboratories Ltd. is based on a four acid total digestion. A second portion of the -80 mesh humus sample was submitted to the laboratory of the Manitoba Geological Survey for the measurement of pH and conductivity. The pH and conductivity measurements were corrected and converted to $H^+$ and specific conductance using the formula of Govett (1976) and reproduced with examples in Govett et al. (1984). Geochemical analyses are listed in Appendix H-1 (ICP-AES, $H^+$, *K* and Hg) and H-4 (INA). Analyses for duplicate pairs are given in Appendices H-2 (ICP-AES, $H^+$, *K* and Hg) and H-5 (INA). Percentile bubble plots are given in Appendices H-3 (ICP-AES, $H^+$, *K* and Hg) and H-6 (INA).

## Results

### Instrumental neutron activation (INA)

**Au:** The results for Au from the southern Knee Lake Belt are low with a limited range of 1-9 ppb. The 9 ppb analysis was from site 271, east of the Magill Lake intrusion at or near the contact between volcanic and sedimentary rocks.

**As**: Maximum geochemical response was observed in the southern portion of the 1999 survey area. Two 100$^{th}$ percentile responses occur at the periphery of the Magill Lake intrusion in association with a single 99$^{th}$ percentile and three 95$^{th}$ percentile responses. The 100$^{th}$ percentiles occur at sites 238 (15.1 ppm) and 246 (13.9 ppm). A single 100$^{th}$ percentile response occurs west of the west end of Knee Lake at site 250 (11.6 ppm) and at site 92 (52.4 ppm) in the northwest corner of the survey area.

**Ba**: A cluster of elevated Ba analyses occur south of Cinder Lake at sites 18 (160 ppm), 119 (360 ppm), 8 (300 ppm) and 69 (320 ppm). Three 99$^{th}$ percentiles occur along the Southern Knee Lake Shear Zone (SKSZ) at sites 77 (340 ppm), 201 (350 ppm) and 298 (360 ppm). Single site, isolated 100$^{th}$ percentiles occur at sites 110 (370 ppm) near the western terminus of an east-west-trending unit of felsic volcanic rocks and 132 (370 ppm).

**Br**: The northern edge of the Magill Lake intrusion is characterized by two 100$^{th}$ percentiles at sites 321 (66.4 ppm) and 330 (44.9 ppm) in association with three 98$^{th}$ percentiles (25-35 ppm) at sites 316, 317 and 320. A 99$^{th}$ percentile occurs further north of this cluster at site 323 (36.5 ppm). Two site Br anomalies occur in the west corner of the survey area. Sites 92 (100$^{th}$ percentile, 95.7 ppm) and 130 (99$^{th}$ percentile, 39.2 ppm) occur relatively close to the northern margin of the belt. The second two site Br anomaly comprises 100$^{th}$ and 99$^{th}$ percentile responses at sites 157 (62.4 ppm) and 61 (36 ppm), respectively.

**Ca:** Little or no variation in the Ca contents of humus samples collected from the 1999 survey area belts is apparent with the exception of 100th percentile sites at 1 (7%), 27 (7%) and 137 (7%) . Site 1 is situated over an north-south-trending felsic volcanic unit.

**Co**: Low to moderate geochemical contrast responses are observed at several localities in the southern Knee Lake Belt. A three site cluster occurs southwest of Cinder Lake at sites 68 (100th percentile response of 11 ppm), 71 (99th percentile response of 10 ppm) and 69 (98th percentile response of 9 ppm). A three site cluster of elevated Co responses occurs at the far west boundary of sampling at sites 132 (100th percentile, 11 ppm), 134 (98th percentile, 9 ppm) and 135 (98th percentile, 9 ppm). An isolated single site 100th percentile of 14 ppm occurs at site 87.

**Cr**: A 15 km north-northwest-trending linear, multisite geochemical anomaly is noted southwest of Cinder Lake. This anomaly comprises 100th percentile (38 ppm at site 9) to 95th percentile (31 ppm at site 69) responses. On the basis of previous soil and rock geochemical data this linear feature was interpreted to be a fault. A two site Cr anomaly is noted from the west portion of the sampling area at sites 132 (100th percentile of 51 ppm) and 138 (99th percentile of 38 ppm). Single site, isolated 100th percentile responses occur at sites 32 (58 ppm), 263 (41 ppm) and 326 (47 ppm).

**Fe**: The linear 15 km geochemical trend observed for Cr is also developed for Fe with a mixture of 100th percentile responses and 95th percentile responses. The 100th percentile occurs at site 9 (2.04%) which was also marked by a 100th percentile for Cr. Outcrop at this site was described as a light green silicified basalt with 1-3% disseminated and veinlet pyrite. A two site anomaly occurs at the west end of the survey area at sites 132 (100th percentile of 2.27%) and 138 (98th percentile of 1.62%). There was no outcrop at these two sites. Isolated 100th percentiles occur at sites 92 (8.12%) and 326 9 (2.56%). Single site 99th percentiles are documented from sites 32 (2.01%) and 263 (1.89%).

**Hf:** Hafnium contents are very low throughout the 1999 survey area. Highest responses are located in the northern, volcanic-rock dominated terrain. The range of concentrations is 1-8 ppm with the highest response of 8 ppm located at site 10 south of Cinder Lake. Adjacent site 119 is a 99th percentile response with 4 ppm.

**Mo**: The highest Mo responses are located in the northern half of the survey area with 100th percentile responses at sites 65 (15 ppm), 71 (15 ppm), 72 (14 ppm) and 77 (14 ppm). These responses are scattered and are not associated with other elevated Mo values. A single 99th percentile occurs at site 51 (10 ppm) over a north-south-trending felsic volcanic unit.

**Na**: There are three main areas of Na responses in the northern half of the 1999 survey area; no anomalous responses occur in the southern half of the belt. The main trend is located southwest of Cinder Lake and has already been described for Fe and Cr in humus. This trend is a north-northwest linear that persists for approximately 15 km from the northern boundary of the belt to the shore of Knee Lake. The 100th percentiles within this trend are located at sites 10 (0.93%) and 119 (1.15%). A second cluster of anomalous responses occurs at the northeast corner of the survey area east of Cinder Lake. This anomaly is also a multisite response with a mixture of 100th and lesser percentiles. The 100th percentile occurs at site 32 (0.90%) and a 98th percentile occurs at site 16 (0.46%) over a north-south-trending unit of felsic volcanic rocks. A third grouping is centered around site 81 (0.76%), the 100th percentile response. This anomaly occurs at or very near to the northern boundary of the belt.

**Rb**: The Rb responses are somewhat scattered however three main anomalous areas are apparent in the data. The north-northwest-trending linear anomaly identified for Fe, Cr and Na in humus is present albeit as a less clearly defined response. Two 100th percentile responses are noted at sites 59 (64 ppm) and 68 (66 ppm). West of this anomaly, at or near the northern belt boundary, is a cluster of one 98th percentile response (site 73, 52 ppm) and two

95$^{th}$ percentiles (sites 85 and 86, both 40 ppm). This site was also identified as anomalous for Na. Two 100$^{th}$ percentiles occur in the west end of the survey area at sites 132 (77 ppm) and 138 (64 ppm). These sites are adjacent to an apophysis of granodiorite that intrudes arkosic and greywacke-type sedimentary rocks.

**Sb:** One or two sample Sb anomalies are apparent in the data for the 1999 survey albeit the concentration levels are low. A two sample anomaly occurs at sites 233 (100$^{th}$ percentile, 0.8 ppm) and 234 (99$^{th}$ percentile (0.7 ppm). A 99$^{th}$ percentile occurs at site 255 (0.7 ppm) and another 99$^{th}$ percentile is situated at the northern edge of the Magill Lake intrusion (site 246, 0.7 ppm). A 100$^{th}$ percentile occurs at site 30 (0.8 ppm) in the northeast corner of the survey area and southwest of this site at site 23 is a 99$^{th}$ percentile response of 0.7 ppm).

**Sc**: The Sc contents in humus define the Fe, Cr and Na anomaly that persists for approximately 15 km southwest of Cinder Lake. The 100$^{th}$ percentile response occurs at site 59 (6.0 ppm); a mixture of 98$^{th}$ and 95$^{th}$ percentiles characterizes the remainder of the trend. Elevated Sc also occurs at site 32 (7.0 ppm) in the northeast corner of the belt surveyed in 1999. Two clusters of Sc anomalies occur in the southern half of the survey area. Sites 132 (100$^{th}$ percentile, 6.9 ppm) and 138 (98$^{th}$ percentile, 5.6 ppm) occur in the west end of the survey area near Oxford Lake and sites 326 (100$^{th}$ percentile, 6.8 ppm) and 254 (99$^{th}$ percentile, 5.8 ppm) occur in the central portion of the southern half of the survey area.

**Th**: Thorium contents in humus from the 1999 survey are low with a range of 0.1- 9.2 ppm. A 100$^{th}$ percentile response is documented from site 69 (7.2 ppm) which forms part of a weakly developed trend south west of Cinder Lake which may be the same anomaly as that recognized for Fe, Na and Cr. Elsewhere three clusters of anomalous sites occur in the sedimentary rock dominated terrain in the south of the belt. A 100$^{th}$ percentile occurs at site 132 (7.8 ppm) in association with a 99$^{th}$ percentile response (6.8 ppm) at adjacent site 138. South of this anomaly, between a narrow east-trending belt of mafic and felsic volcanic rocks and the southern margin of the belt, a three sample response is documented. This cluster comprises a 98$^{th}$ percentile at site 336 (6.4 ppm) and two 95$^{th}$ percentiles at sites 263 (6.3 ppm) and 336 (6.4 ppm). The central portion of the southern portion of the survey area is marked by two 100$^{th}$ percentiles of 8.4 ppm and 9.2 ppm at sites 254 and 326, respectively.

**U**: A six site cluster of anomalous U straddles the northern margin of the 1999 survey area. This response comprises two 100$^{th}$ percentiles (6.1 ppm and 10.8 ppm), two 99$^{th}$ percentile responses (both 5.7 ppm) and two 98$^{th}$ percentiles of 4.8 ppm. Isolated, single site 100$^{th}$ percentile responses occur west of the west end of Knee Lake at site 140 (9.1 ppm) and at site 278 (11.9 ppm) in tonalite and granodiorite intrusive terrain. A 99$^{th}$ percentile response occurs at site 326 (5.6 ppm) in the central portion of the southern half of the survey area.

**Zn**: Significant Zn responses are present in the 1999 survey area, however they tend to be single site 100$^{th}$ percentiles. These occur at sites 306 (178 ppm), 112 (131 ppm), 71 (189 ppm) and 68 (170 ppm). Site 112 is situated over an east-west-trending unit of felsic volcanic rocks just north of Knee Lake. A three site grouping of 98$^{th}$ percentiles occurs in the northwest corner of the survey area. These are sites 92 (91 ppm), 96 (97 ppm) and 97 (104 ppm). A two sample anomaly occurs in the southeast corner of the survey area at sites 271 (121 ppm) and 272 (130 ppm). These sites straddle the contact between sedimentary and volcanic rocks in this area.

**TREE**: Geochemical responses for TREE in the Knee Lake Belt are highest in the southern portion of the survey area where sedimentary rocks predominate over volcanic rocks. A linear, north-south-trending geochemical anomaly is situated at the southern shore of the west end of Knee Lake and persists for approximately 8-10 km. This trend comprises 100$^{th}$ –95$^{th}$ percentile responses. The 100$^{th}$ percentile occurs at site 254 which is immediately adjacent to the main north-south linear trend of the anomaly. Three 100$^{th}$ percentiles are also documented from site 219 (near the Magill Lake intrusion), site 228 and site 340.

### Hydrogen ion ($H^+$)

**$H^+$**: Two main clusters of anomalous $H^+$ responses occur in the 1999 survey data. The first is a broad, poorly focussed group of 7 responses that roughly cluster near the west end of Knee Lake. The responses are a mixture of a 100th percentile at site 249, two 99th percentile responses at sites 251 and 256 and four 98th percentiles at sites 76, 78, 211 and 292. Two isolated 100th percentiles occur along the northeast trend of Knee Lake at sites 301 and 308. A three site cluster of 100th, 99th and 98th percentiles occurs at sites 25, 28 and 29 at the northeast corner of the survey area.

### Specific conductance *K* (water-extractable metal)

***K***: The major water-extractable anomalous response for humus samples in the 1999 survey area occurs on both the north and south shores of Knee Lake. These responses are more or less confined to the area of strongly foliated rocks within the SKSZ and are a mixture of 100th –95th percentiles. Elsewhere in the belt specific conductance responses are single site anomalies. These occur at sites 260 (100th percentile) and 338 (99th percentile) south of a narrow belt of mafic and felsic volcanic rocks and north of the southern boundary of the belt. A 100th percentile occurs at site 348 at or near the contact between volcanic and sedimentary rocks west of Bayly Lake.

### Hg (flow injection mercury system)

**Hg**: The majority of the elevated Hg responses in the 1999 survey area are clustered around the central to west end of the lake in association with highly strained rocks within the SKSZ. Within this cluster are several 100th (sites 80 and 201; 340 and 420 ppb, respectively) and 99th (sites 299 and 307; 302 and 297 ppb, respectively) percentiles. A three site cluster comprising a single 100th percentile response (site 22, 374 ppb) and two 98th percentile responses (sites 23 and 45; 250 and 280 ppb, respectively) occurs along the northeast arm of Knee Lake in association with a north-south-trending band of felsic volcanic rocks. A single isolated 100th percentile response occurs at site 99 (321 ppb) near the northern boundary of the belt. A single 99th percentile response occurs within a narrow belt of mafic and felsic volcanic rocks that trend southeast from Oxford Lake. This response occurs at site 230 (303 ppb).

### Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

**Mo:** Only two samples contained measurable Mo in the 1999 survey area. These sites were at the northern boundary of the belt (site 99, 4 ppm) and on the northeast side of the Magill Lake intrusion (site 319; 3 ppm).

**Cu**: Low to moderate contrast Cu anomalies are identified in several localities in both the northern and southern portions of the 1999 survey area. In the north the anomalies are mainly associated with felsic volcanic units at site 15 (100th percentile, 25 ppm) or at or near the contact between the felsic and mafic volcanic units (site 312; 32 ppm). A 99th and 98th percentile response is recorded from sites 69 (24 ppm) and 70 (28 ppm) that are just west of the western terminus of a felsic volcanic unit. In the southern portion of the area a 100th percentile response occurs at site 222 (30 ppm). Two 98th percentiles occur near an apophysis of granodiorite that intrudes arkosic and greywacke-type sedimentary rocks at sites 225 (36 ppm) and 132 (19 ppm). A single 99th percentile response occurs at site 289 (24 ppm) at or near the volcanic-sedimentary rock contact in that area.

**Pb**: The majority of elevated Pb responses in the 1999 survey are located in the northern portion of the area. Two 100th percentiles at sites 15 (41 ppm) and 19 (35 ppm) are associated with a north-trending felsic volcanic unit that is a known host to massive sulphide-type mineralization. There is a proliferation of 98th and 95th percentile responses northwest of the west end of Knee Lake. Some of these occur at or near the northern boundary of the belt (sites 100 and 101). Sites 134 and 139 in the northwestern portion of the area document 100th percentile responses of 36 and 42 ppm, respectively in an area of no outcrop.

**Zn**: There are three 100$^{th}$ percentile responses in the central portion of Knee Lake associated with highly strained rocks within the SKSZ. These responses occur at sites 112 (101 ppm), 201 (92 ppm) and 306 (153 ppm); a 99$^{th}$ percentile response of 85 ppm occurs at adjacent site 307 in this anomalous area. Other elevated responses (99$^{th}$ percentiles) in the northern portion of the area occur at sites 45 (90 ppm) and 71 (85 ppm). A single 100$^{th}$ percentile response occurs at site 217 (104 ppm) in association with a rusty weathering, light green silicified basalt with 5% disseminated pyrite.

**Ni**: Relatively low to moderate contrast 100$^{th}$ percentile responses occur at sites 15 (24 ppm) in association with a felsic volcanic unit east of Cinder Lake and at site 32 (30 ppm). Another 100$^{th}$ percentile occurs at site 304 (22 ppm). A 99$^{th}$ percentile (21 ppm) occurs at site 80 within the SKSZ. In the southern portion of the survey area a 100$^{th}$ percentile occurs at site 326 (28 ppm) and a string of two 99$^{th}$ percentiles at site 263 (21 ppm) and site 336 (21 ppm) occur south of a thin mafic-felsic volcanic belt that trends southeast from Oxford Lake.

**Mn**: Elevated Mn in humus is associated with mafic volcanic rocks north of Pain Killer Bay. These occur at sites 69 (100$^{th}$ percentile 1407 ppm), 71 (99$^{th}$ percentile; 1122 ppm) and 68 (99$^{th}$ percentile; 1164 ppm). A single isolated 100$^{th}$ percentile response at site 92 (1387 ppm) occurs at or near the northern boundary of the belt. Elevated Mn responses (100$^{th}$, 98$^{th}$ and 95$^{th}$ percentiles) occur within the SKSZ. The 100$^{th}$ percentile is documented from site 201 (2891 ppm). A second 100$^{th}$ percentile occurs near the southern boundary of the belt at site 260 (1231 ppm).

**Sr**: Strontium responses southwest of Cinder Lake define an approximately 15 km long, linear geochemical anomaly that was previously recognized for Fe, Cr and Na. This anomaly is low to moderate contrast with a single 100$^{th}$ percentile response at site 119 (164 ppm). Additional 100$^{th}$ percentiles occur at site 278 (130 ppm) and at 124 (140 ppm). Sites 124 and 278 are within granitic intrusive terrain. In the southern portion of the survey area a single 100$^{th}$ percentile is documented from site 229 (125 ppm) south of a southeast-trending, narrow felsic-mafic volcanic belt. A 99$^{th}$ percentile response occurs at site 326 (124 ppm).

**V**: The northeast end of the survey area is marked by a single isolated 100$^{th}$ percentile response for V at site 32 (45 ppm). Southwest of Cinder Lake there are two elevated V responses at sites 69 (99$^{th}$ percentile; 38 ppm) and 68 (98$^{th}$ percentile; 31 ppm). In the northwest portion of the survey area a two site anomaly, characterized by a 100$^{th}$ percentile (site 132; 54 ppm) and a 99$^{th}$ percentile (site 138; 36 ppm), is documented. There is no outcrop in the area of this anomaly. An isolated 100$^{th}$ percentile response occurs at site 326 (124 ppm).

**Cd:** Cadmium responses in the 1999 survey area are low, however the locations of elevated Cd in humus occurs in areas previously delineated as base metal anomalous. A three sample cluster of elevated Cd occurs at sites 13 (100$^{th}$ percentile; 1.3 ppm), 16 (99$^{th}$ percentile; 1.1 ppm) and 15 (95$^{th}$ percentile; 0.9 ppm). These responses are located directly over a north-south-trending linear belt of felsic volcanic rocks that hosts massive sulphide-type mineralization. Another multisite, low contrast response occurs south of Cinder Lake where a 100$^{th}$ percentile response is documented from site 8 (1.6 ppm); a 99$^{th}$ percentile of 1.3 ppm occurs to the east of site 8 at site 69. A single 99$^{th}$ percentile response occurs at site 80 in the SKSZ. The northwest portion of the survey area is marked by multisite anomalies in both volcanic and sedimentary rock dominated terrain. In the northern volcanic terrain a four site response occurs at sites 97 (100$^{th}$ percentile; 1.7 ppm), 96 (98$^{th}$ percentile; 1.2 ppm), 98 (95$^{th}$ percentile; 0.9 ppm) and 125 (95$^{th}$ percentile; 1.0 ppm). Southwest of this response a two site anomaly is documented at site 135 (100$^{th}$ percentile; 1.7 ppm) and site 123 (99$^{th}$ percentile; 1.4 ppm).

**Ca**: The majority of the elevated Ca responses in the 1999 survey area occur in a string of responses that trend west from the southwest shore of Cinder Lake along or close to the northern boundary of the belt. This includes 100$^{th}$ percentile responses at sites 1 (5.97%) and 152 (6.05%). Single site isolated 100$^{th}$ percentile responses occur at sites 107 (5.75%) and 278 (5.80%). Site 278 is located in granitic intrusive terrain.

**P**: A multisite P anomaly occurs in the central portion of the survey area and is centered over an east-west-trending unit of felsic volcanic rocks. This response includes a 100$^{th}$ percentile at site 112 (0.193%) and four 98$^{th}$ percentiles at sites 306 (0.176%), 307 (0.177%), 312 (0.165%) and 313 (0.177%). There are a couple of 98$^{th}$ percentile responses at sites 201 and 250 in the SKSZ. Single, isolated 100$^{th}$ percentiles occur at sites 92 (0.254%) in the northwest corner of the survey area and at site 42 (0.284%) in granitic intrusive terrain at the eastern limits of sampling.

**Mg**: The majority of 100$^{th}$ percentile responses for Mg in the Knee Lake Belt occur in the southern portion of the 1999 survey area. A 100$^{th}$ (site 3; 0.52%) and 99$^{th}$ (site 9; 0.49%) percentile anomaly does occur south of Cinder Lake in the northern portion of the survey area. In the southern portion of the belt, 100$^{th}$ percentiles occur at site 132 (0.61%) in an area of no outcrop, at site 326 (0.84%) and at site 263 (0.66%) near the southern boundary of the belt in the area of previously reported ultramafic intrusions and where ultramafic cobbles were observed along the lakeshores. A 99$^{th}$ percentile occurs at site 229 (0.53%) just south of a narrow belt of mafic and felsic volcanic rocks.

**Ti**: The Knee Lake Belt is marked by low contrast Ti responses. The main trend observed in the data is a repetition of the 15 km long, north-northwest-trending linear geochemical anomaly developed southwest of Cinder Lake. This anomaly has been defined by Fe, Cr and other elements in humus as well as rock and b-horizon soil geochemistry. The Ti results within this response are characterized by 100$^{th}$-95$^{th}$ percentile responses (0.09-0.15%). In the northeast corner of the survey area a 100$^{th}$ percentile is noted at site 32 (0.16%) in association with a light green, foliated, and carbonate altered basalt. A 98$^{th}$ percentile is recorded from site 16 (0.12%) in an area of no outcrop. Interestingly, this site is associated with a felsic volcanic unit that hosts massive sulphide-type mineralization. In the southern portion of the survey area 100$^{th}$ percentiles are observed at site 132 (0.18%) and at site 326 (0.15%). A 99$^{th}$ percentile occurs adjacent to site 132 at site 138 (0.15%). There is no outcrop in the vicinity of sites 132 and 138.

**Al**: The 15 km north-northwest trend delineated by Fe, Cr, Na and Ti in humus is also present for Al. This trend passes just west of the southwest end of Cinder Lake and includes 100$^{th}$ -95$^{th}$ percentile responses for Al. The 100$^{th}$ percentile for the Al trend occurs at site 119 (3.30%). Elsewhere a 100$^{th}$ percentile response is located at site 32 (3.47%) in strongly foliated and altered basalt and at site 326 (3.84%) in the southern portion of the survey area. A two site Al anomaly is documented from the western end of the area at sites 132 and 138. At these sites 100$^{th}$ percentile (site 132; 3.88%) and 99$^{th}$ percentile (site 138; 3.07%) responses are documented. At site 263 near the southern boundary of the belt a 99$^{th}$ percentile response of 3.13% is documented. This boundary is marked by the development of a major shear zone.

**K**: The K responses in the Cinder Lake area define the 15 km north-northwest trend previously identified in Fe, Cr, Na, Ti and Al in humus. The K responses in this trend contain two 100$^{th}$ percentiles of 1.04% (site 59) and 1.10% (site 119) in addition to 99$^{th}$-95$^{th}$ percentiles. East of site 119 is another 100$^{th}$ percentile response at site 46 (1.07%). A 100$^{th}$ and 98$^{th}$ percentile response (0.95% and 0.76%) were obtained from adjacent sites 132 and 138. A 99$^{th}$ percentile response occurs at site 326 (0.86%) in the central portion of the belt.

**Y:** The 100$^{th}$ percentile responses as well as other significantly elevated Y analyses are located in the sedimentary rock dominated southern portion of the sampling area. Many of these are clustered south of the western end of Knee Lake in a linear 5 km trend. This trend comprises two 100$^{th}$ percentiles at sites 206 (19 ppm) and 326 (18 ppm) and 98$^{th}$ and 95$^{th}$ percentile responses. A 100$^{th}$ percentile response occurs adjacent to site 326 at site 254 (29 ppm). Three other anomalous Y responses were documented in the southern survey area. These include site 219 (20 ppm), 228 (23 ppm) and 340 (21 ppm).

**S:** The anomalous S responses in the southern Knee Lake belt area are located within the SKSZ that is marked by multisite responses. The 100$^{th}$ percentile response of 0.27% occurs at site 312 where strongly foliated and altered basalt hosts near solid pyrite-pyrrhotite laminae. A two sample 100$^{th}$ percentile response occurs in the northwest corner of the sampling area at sites 92 and 130 (both 0.28%) in an area of no outcrop. The final 100$^{th}$ percentile occurs at site 321 (0.28%) near the northern tip of the Magill Lake intrusion.

## Synthesis

The southern Knee Lake greenstone belt is characterized by metallogenetically significant structures such as the SKSZ, as well as belt-bounding high strain zones at its south margin and possibly at the north margin. Stratigraphic sequences interpreted to be highly prospective for massive sulphide-type mineralization are also present and have been demonstrated to host this style of mineral deposit, albeit with low base and precious metal contents. Each of these features has been delineated by a distinctive suite of elements that are elevated in humus.

The SKSZ, a transpressional shear zone, is marked by $H^+$, specific conductance *K* (water-extractable metal), Zn, S, Hg, P and Ba anomalies that reflect the presence of iron and base metal sulphides in this zone. The trend of the northeast arm of Knee Lake is probably controlled by additional structures and humus collected from this part of the survey area are marked by a similar suite of indicator elements in humus ($H^+$, Zn, Hg, Ni, Al and P). Abundant ground EM conductors have also been delineated by exploration programs along the SKSZ and the northeast arm (Hosain, 1999) and the humus anomalies are, in part, reflective of the structures responsible for these geophysical anomalies.

A good example of the ability of humus geochemical surveys to identify anomalous concentrations of metals in bedrock is given by the results east of Cinder Lake where thick intersections of massive sulphide have been identified during diamond drill testing of ground EM conductors. These mineralized zones are marked by Cu, Pb, Ni and Cd humus geochemical anomalies. Elsewhere in the 1999 survey area anomalous base and precious metal concentrations in humus identify prospective exploration targets. Examples might be the northwest portion of the survey area where high contrast, multisite anomalies for Cd, S and As have been documented. Another area of interest identified by humus geochemical anomalies is the periphery of the Magill Lake intrusion where anomalous As and Br has been identified in humus samples.

The presence of a rare element-enriched syenite at Cinder Lake has been identified by previous mapping in the area and geochemically documented by anomalous results in rock and b-horizon soil surveys. The geochemical surveys also delineated a north-northwest-trending linear geochemical anomaly southwest of Cinder Lake that has been interpreted to be associated with fractures coincident with the emplacement of the syenite. Humus results also identify this linear trend, albeit with a fewer number of indicator elements (Al, K and Sc).

In an area of no outcrop and particularly thick lacustrine clay-rich overburden the humus geochemical survey results from sites 132 and 138 are very interesting. At these sites the anomalous elements V, Mg, Ti, Cr, Fe, Rb, Sc, Th, Al and K are suggestive of a unique lithology. This multielement anomalous response should be assessed in terms of a possible ultramafic rock sequence.

## Conclusions

The results of this humus geochemical survey in the southern Knee Lake greenstone belt indicate the following:

1) humus geochemical surveys undertaken at approximately 1 km sample spacing have successfully delineated areas of high

contrast, multisite base and precious metal anomalies as well as elements indicative of structure and unique lithologies worthy of follow-up;

2) regional metallogenetic features such as the SKSZ and the bounding shear zones at the north and south belt margins are identified as prospective targets for exploration;

3) humus geochemical anomalies at the southwestern end of Cinder Lake correlate to a suite of anomalous elements determined in outcrop chip samples and b-horizon soils that are suggestive of a north-northwest-trending fracture that may be related to the emplacement of a REE-enriched syenite at Cinder Lake;

4) felsic volcanic host rocks to known massive sulphide-type deposits east of Cinder Lake have a distinctive humus geochemical signature that comprises ore- and ore-related elements.

## Appendix H-1

# ICP-AES, $H^+$, *K* and Hg Analyses.

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-1 | 381338.32 | 6086855.25 | 1 | 12 | 2.5 | 5 | 7 | 215 | 61 | 0.25 | 9 | 5.97 | 0.091 | 0.35 | 0.03 | 0.78 | 0.19 | 4 | 0.2 |
| 99H-2 | 379928.11 | 6087059.58 | 1 | 13 | 2.5 | 7 | 7 | 53 | 56 | 0.70 | 16 | 4.33 | 0.065 | 0.38 | 0.06 | 1.25 | 0.30 | 4 | 0.1 |
| 99H-3 | 380864.52 | 6085155.70 | 1 | 10 | 7.0 | 8 | 7 | 235 | 86 | 0.70 | 16 | 5.13 | 0.063 | 0.52 | 0.06 | 1.49 | 0.52 | 6 | 0.1 |
| 99H-4 | 385575.87 | 6057998.38 | 1 | 15 | 5.0 | 23 | 10 | 507 | 63 | 0.50 | 21 | 3.63 | 0.075 | 0.35 | 0.07 | 1.58 | 0.44 | 7 | 0.1 |
| 99H-5 | 386340.97 | 6060776.00 | 1 | 3 | 14.0 | 9 | 6 | 71 | 60 | 0.25 | 13 | 0.93 | 0.066 | 0.16 | 0.07 | 1.42 | 0.46 | 2 | 0.1 |
| 99H-6-1 Analytical Duplicate | 385118.63 | 6064597.68 | 1 | 18 | 2.5 | 12 | 7 | 584 | 72 | 0.60 | 12 | 5.59 | 0.106 | 0.36 | 0.07 | 0.85 | 0.19 | 4 | 0.1 |
| 99H-6-2 Analytical Duplicate | 385118.63 | 6064597.68 | 1 | 18 | 2.5 | 11 | 8 | 590 | 70 | 0.60 | 12 | 5.65 | 0.108 | 0.35 | 0.04 | 0.86 | 0.18 | 6 | 0.2 |
| 99H-7 | 380012.55 | 6085720.22 | 1 | 9 | 10.0 | 27 | 7 | 168 | 23 | 0.70 | 8 | 1.24 | 0.087 | 0.12 | 0.02 | 0.42 | 0.22 | 2 | 0.1 |
| 99H-8 | 381843.70 | 6085393.08 | 1 | 15 | 21.0 | 17 | 10 | 78 | 71 | 1.60 | 23 | 2.25 | 0.059 | 0.29 | 0.10 | 2.16 | 0.61 | 6 | 0.1 |
| 99H-9 | 381226.37 | 6084881.63 | 1 | 14 | 10.0 | 37 | 16 | 119 | 58 | 0.25 | 35 | 2.00 | 0.078 | 0.49 | 0.13 | 2.86 | 0.71 | 9 | 0.1 |
| 99H-10 | 380814.98 | 6083990.92 | 1 | 7 | 21.0 | 21 | 8 | 118 | 118 | 0.90 | 23 | 1.04 | 0.052 | 0.26 | 0.14 | 2.77 | 0.91 | 6 | 0.1 |
| 99H-11 | 382124.73 | 6084199.82 | 1 | 7 | 16.0 | 13 | 10 | 91 | 43 | 0.25 | 17 | 1.07 | 0.074 | 0.21 | 0.07 | 1.42 | 0.47 | 3 | 0.1 |
| 99H-12 | 384139.45 | 6089907.45 | 1 | 5 | 15.0 | 12 | 10 | 104 | 27 | 0.25 | 9 | 0.85 | 0.081 | 0.12 | 0.03 | 0.65 | 0.25 | 2 | 0.2 |
| 99H-13 | 385120.09 | 6089836.36 | 1 | 10 | 24.0 | 51 | 13 | 506 | 48 | 1.30 | 18 | 2.13 | 0.126 | 0.24 | 0.06 | 1.29 | 0.46 | 4 | 0.2 |
| 99H-14 | 386060.67 | 6089790.62 | 1 | 11 | 2.5 | 12 | 8 | 251 | 61 | 0.60 | 11 | 5.52 | 0.102 | 0.35 | 0.03 | 0.69 | 0.18 | 6 | 0.2 |
| 99H-15 | 385609.68 | 6088356.80 | 1 | 25 | 41.0 | 18 | 24 | 72 | 80 | 0.90 | 22 | 0.61 | 0.115 | 0.12 | 0.10 | 1.86 | 0.40 | 6 | 0.1 |
| 99H-16 | 386107.09 | 6089134.20 | 1 | 5 | 20.0 | 23 | 10 | 102 | 61 | 1.10 | 26 | 0.50 | 0.098 | 0.16 | 0.12 | 1.95 | 0.61 | 4 | 0.1 |
| 99H-17 | 386831.55 | 6088342.61 | 1 | 9 | 20.0 | 17 | 9 | 163 | 43 | 0.25 | 20 | 1.15 | 0.053 | 0.20 | 0.08 | 1.52 | 0.47 | 3 | 0.1 |
| 99H-18 | 384402.98 | 6085799.86 | 1 | 2 | 9.0 | 22 | 4 | 201 | 14 | 0.25 | 7 | 0.17 | 0.112 | 0.06 | 0.03 | 0.48 | 0.27 | 2 | 0.1 |
| 99H-19 | 383518.94 | 6085591.65 | 1 | 8 | 35.0 | 21 | 9 | 109 | 32 | 0.60 | 16 | 0.43 | 0.091 | 0.12 | 0.07 | 1.31 | 0.40 | 3 | 0.1 |
| 99H-20 | 385498.35 | 6085864.44 | 1 | 21 | 2.5 | 15 | 13 | 540 | 48 | 0.50 | 16 | 3.97 | 0.146 | 0.37 | 0.06 | 1.58 | 0.32 | 6 | 0.2 |
| 99H-21-1 Field Duplicate | 384823.47 | 6085301.09 | 1 | 6 | 2.5 | 32 | 4 | 491 | 59 | 0.25 | 7 | 3.86 | 0.108 | 0.20 | 0.03 | 0.59 | 0.17 | 2 | 0.2 |
| 99H-21-2 Field Duplicate | 384823.47 | 6085301.09 | 1 | 9 | 20.0 | 21 | 7 | 104 | 30 | 0.80 | 12 | 0.52 | 0.085 | 0.09 | 0.05 | 0.89 | 0.26 | 3 | 0.1 |
| 99H-22 | 383626.62 | 6084172.60 | 1 | 5 | 22.0 | 41 | 11 | 525 | 39 | 0.25 | 18 | 0.85 | 0.134 | 0.18 | 0.06 | 1.22 | 0.40 | 2 | 0.1 |
| 99H-23 | 382797.60 | 6083251.65 | 1 | 5 | 25.0 | 21 | 11 | 204 | 32 | 0.25 | 28 | 0.60 | 0.083 | 0.21 | 0.07 | 1.24 | 0.31 | 3 | 0.1 |
| 99H-24 | 383922.80 | 6083064.31 | 1 | 7 | 14.0 | 19 | 11 | 107 | 37 | 0.80 | 11 | 1.13 | 0.130 | 0.15 | 0.04 | 1.05 | 0.26 | 11 | 0.1 |
| 99H-25 | 390069.10 | 6090107.94 | 1 | 3 | 28.0 | 9 | 7 | 59 | 25 | 0.50 | 12 | 0.34 | 0.111 | 0.10 | 0.05 | 0.84 | 0.27 | 2 | 0.1 |
| 99H-26 | 389273.35 | 6089551.83 | 1 | 7 | 17.0 | 11 | 11 | 52 | 40 | 0.25 | 16 | 1.08 | 0.097 | 0.20 | 0.07 | 1.34 | 0.40 | 6 | 0.1 |
| 99H-27 | 388381.58 | 6088845.50 | 1 | 9 | 2.5 | 3 | 8 | 140 | 73 | 0.25 | 14 | 5.54 | 0.077 | 0.38 | 0.04 | 1.07 | 0.31 | 9 | 0.2 |
| 99H-28 | 391096.14 | 6090415.34 | 1 | 4 | 12.0 | 7 | 4 | 78 | 64 | 0.25 | 13 | 0.54 | 0.057 | 0.13 | 0.09 | 1.52 | 0.50 | 3 | 0.1 |
| 99H-29 | 390765.20 | 6089215.18 | 1 | 8 | 11.0 | 3 | 8 | 66 | 32 | 0.25 | 8 | 0.43 | 0.066 | 0.12 | 0.04 | 0.75 | 0.23 | 2 | 0.1 |
| 99H-30 | 389922.08 | 6088381.30 | 1 | 4 | 21.0 | 9 | 7 | 82 | 27 | 0.25 | 12 | 0.66 | 0.097 | 0.15 | 0.04 | 0.80 | 0.27 | 2 | 0.1 |
| 99H-31 | 387776.64 | 6087871.04 | 1 | 4 | 23.0 | 20 | 8 | 345 | 23 | 0.25 | 12 | 0.36 | 0.162 | 0.10 | 0.04 | 0.76 | 0.32 | 2 | 0.1 |
| 99H-32 | 389281.25 | 6087309.72 | 1 | 10 | 20.0 | 38 | 30 | 307 | 102 | 0.25 | 45 | 1.01 | 0.110 | 0.46 | 0.16 | 3.47 | 0.85 | 7 | 0.1 |
| 99H-33 | 387035.08 | 6086978.20 | 1 | 14 | 2.5 | 19 | 9 | 146 | 55 | 0.50 | 9 | 4.67 | 0.131 | 0.29 | 0.03 | 0.65 | 0.18 | 3 | 0.3 |
| 99H-34 | 388567.46 | 6086677.37 | 1 | 4 | 17.0 | 16 | 6 | 63 | 54 | 0.25 | 15 | 1.26 | 0.093 | 0.23 | 0.07 | 1.46 | 0.47 | 3 | 0.1 |
| 99H-35 | 390865.79 | 6088176.15 | 1 | 8 | 18.0 | 14 | 12 | 60 | 32 | 0.25 | 15 | 0.46 | 0.094 | 0.16 | 0.06 | 1.16 | 0.36 | 2 | 0.1 |
| 99H-36 | 390299.61 | 6087715.51 | 1 | 7 | 17.0 | 43 | 7 | 201 | 40 | 0.60 | 15 | 0.87 | 0.105 | 0.17 | 0.06 | 1.26 | 0.40 | 3 | 0.1 |
| 99H-37 | 391242.83 | 6087718.12 | 1 | 2 | 5.0 | 19 | 2 | 26 | 22 | 1.00 | 2 | 1.23 | 0.066 | 0.11 | 0.01 | 0.09 | 0.05 | 2 | 0.1 |
| 99H-38 | 392410.86 | 6087648.10 | 1 | 2 | 15.0 | 12 | 7 | 89 | 21 | 0.25 | 9 | 0.43 | 0.070 | 0.08 | 0.03 | 0.61 | 0.19 | 2 | 0.1 |
| 99H-39 | 392898.97 | 6086971.53 | 1 | 4 | 14.0 | 13 | 6 | 90 | 42 | 0.25 | 11 | 1.06 | 0.070 | 0.15 | 0.05 | 0.92 | 0.32 | 2 | 0.2 |
| 99H-40 | 392559.91 | 6086340.04 | 1 | 17 | 5.0 | 17 | 10 | 681 | 91 | 0.25 | 19 | 4.83 | 0.155 | 0.31 | 0.08 | 1.79 | 0.46 | 10 | 0.2 |
| 99H-41-1 Field Duplicate | 391167.56 | 6086589.75 | 1 | 13 | 15.0 | 45 | 16 | 169 | 58 | 0.25 | 30 | 1.12 | 0.101 | 0.39 | 0.10 | 2.17 | 0.67 | 6 | 0.1 |
| 99H-41-2 Field Duplicate | 391167.56 | 6086589.75 | 1 | 8 | 11.0 | 30 | 11 | 283 | 37 | 0.25 | 20 | 1.50 | 0.116 | 0.27 | 0.06 | 1.24 | 0.34 | 4 | 0.1 |
| 99H-42 | 391238.39 | 6085940.29 | 1 | 10 | 11.0 | 19 | 7 | 80 | 33 | 0.25 | 11 | 1.46 | 0.284 | 0.23 | 0.03 | 0.87 | 0.34 | 8 | 0.3 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-43 | 389804.68 | 6084999.49 | 1 | 4 | 13.0 | 12 | 8 | 44 | 51 | 0.25 | 15 | 0.59 | 0.104 | 0.14 | 0.06 | 1.44 | 0.41 | 4 | 0.2 |
| 99H-44 | 389261.00 | 6083667.72 | 1 | 15 | 2.5 | 15 | 10 | 117 | 64 | 0.25 | 15 | 4.33 | 0.086 | 0.32 | 0.05 | 1.09 | 0.29 | 8 | 0.2 |
| 99H-45 | 386653.33 | 6084343.11 | 1 | 9 | 22.0 | 90 | 12 | 654 | 41 | 0.60 | 16 | 0.84 | 0.151 | 0.15 | 0.06 | 1.03 | 0.31 | 2 | 0.2 |
| 99H-46 | 385883.41 | 6083393.71 | 1 | 9 | 8.0 | 20 | 10 | 370 | 119 | 0.25 | 24 | 2.45 | 0.078 | 0.36 | 0.13 | 2.89 | 1.07 | 8 | 0.1 |
| 99H-47 | 384919.22 | 6082875.51 | 1 | 21 | 2.5 | 9 | 6 | 219 | 38 | 0.25 | 5 | 3.75 | 0.115 | 0.21 | 0.02 | 0.35 | 0.11 | 2 | 0.2 |
| 99H-48-1 Analytical Duplicate | 383904.64 | 6082648.05 | 1 | 6 | 16.0 | 37 | 11 | 106 | 38 | 0.25 | 16 | 1.10 | 0.113 | 0.18 | 0.05 | 1.14 | 0.31 | 8 | 0.1 |
| 99H-48-2 Analytical Duplicate | 383904.64 | 6082648.05 | 1 | 9 | 16.0 | 36 | 10 | 103 | 36 | 0.25 | 14 | 1.09 | 0.106 | 0.17 | 0.05 | 1.12 | 0.31 | 8 | 0.1 |
| 99H-49 | 388981.01 | 6090705.90 | 1 | 7 | 28.0 | 16 | 6 | 588 | 45 | 0.25 | 10 | 2.41 | 0.133 | 0.26 | 0.04 | 0.82 | 0.29 | 2 | 0.2 |
| 99H-50 | 387427.39 | 6090166.15 | 1 | 7 | 26.0 | 46 | 12 | 135 | 49 | 0.25 | 22 | 1.44 | 0.081 | 0.20 | 0.07 | 1.64 | 0.45 | 4 | 0.1 |
| 99H-51 | 385816.88 | 6087616.81 | 1 | 14 | 17.0 | 26 | 11 | 540 | 48 | 0.25 | 14 | 3.63 | 0.089 | 0.15 | 0.04 | 1.07 | 0.22 | 7 | 0.2 |
| 99H-52 | 382575.20 | 6088407.01 | 1 | 10 | 2.5 | 7 | 4 | 87 | 31 | 0.25 | 7 | 2.66 | 0.057 | 0.20 | 0.02 | 0.58 | 0.11 | 2 | 0.1 |
| 99H-53 | 381611.17 | 6087984.39 | 1 | 8 | 22.0 | 35 | 11 | 571 | 55 | 0.60 | 16 | 2.00 | 0.088 | 0.25 | 0.06 | 1.30 | 0.45 | 4 | 0.1 |
| 99H-54 | 380446.70 | 6088630.40 | 1 | 8 | 26.0 | 31 | 17 | 263 | 72 | 0.25 | 30 | 1.29 | 0.102 | 0.33 | 0.12 | 2.41 | 0.75 | 6 | 0.1 |
| 99H-55 | 384763.43 | 6089168.41 | 1 | 5 | 21.0 | 22 | 8 | 50 | 34 | 0.25 | 17 | 0.70 | 0.067 | 0.13 | 0.07 | 1.16 | 0.34 | 3 | 0.1 |
| 99H-56 | 384593.57 | 6087985.36 | 1 | 2 | 12.0 | 21 | 4 | 145 | 13 | 0.25 | 7 | 0.27 | 0.095 | 0.06 | 0.03 | 0.44 | 0.20 | 2 | 0.1 |
| 99H-57 | 380747.02 | 6088073.86 | 1 | 13 | 25.0 | 26 | 15 | 241 | 76 | 0.70 | 28 | 1.89 | 0.113 | 0.38 | 0.11 | 2.34 | 0.64 | 6 | 0.1 |
| 99H-58 | 379201.36 | 6089481.35 | 1 | 6 | 7.0 | 27 | 8 | 221 | 49 | 1.00 | 9 | 1.55 | 0.145 | 0.12 | 0.03 | 0.86 | 0.38 | 2 | 0.2 |
| 99H-59 | 376870.52 | 6089445.37 | 1 | 6 | 10.0 | 35 | 12 | 133 | 102 | 0.25 | 31 | 2.38 | 0.083 | 0.46 | 0.14 | 3.12 | 1.04 | 8 | 0.1 |
| 99H-60 | 377624.11 | 6088152.06 | 1 | 2 | 2.5 | 2 | 2 | 5 | 11 | 0.25 | 2 | 0.37 | 0.010 | 0.01 | 0.01 | 0.10 | 0.02 | 2 | 0.0 |
| 99H-61 | 373483.58 | 6087490.54 | 1 | 2 | 2.5 | 7 | 3 | 18 | 38 | 0.25 | 7 | 1.80 | 0.059 | 0.21 | 0.03 | 0.54 | 0.12 | 2 | 0.2 |
| 99H-62 | 374649.11 | 6089718.54 | 1 | 2 | 2.5 | 4 | 2 | 5 | 20 | 0.25 | 2 | 1.05 | 0.022 | 0.07 | 0.02 | 0.39 | 0.08 | 2 | 0.1 |
| 99H-63 | 371851.38 | 6084985.15 | 1 | 10 | 11.0 | 13 | 8 | 278 | 25 | 1.00 | 8 | 1.44 | 0.057 | 0.14 | 0.03 | 0.92 | 0.18 | 4 | 0.1 |
| 99H-64 | 370818.75 | 6084894.62 | 1 | 9 | 21.0 | 27 | 15 | 263 | 52 | 0.25 | 20 | 2.34 | 0.092 | 0.36 | 0.07 | 1.45 | 0.49 | 7 | 0.2 |
| 99H-65 | 371421.23 | 6083690.52 | 1 | 4 | 22.0 | 23 | 7 | 70 | 26 | 0.25 | 11 | 1.03 | 0.119 | 0.11 | 0.03 | 0.66 | 0.25 | 2 | 0.2 |
| 99H-66 | 370239.75 | 6083375.40 | 1 | 2 | 2.5 | 3 | 2 | 65 | 17 | 0.25 | 2 | 1.03 | 0.018 | 0.08 | 0.01 | 0.07 | 0.01 | 2 | 0.0 |
| 99H-67 | 369512.90 | 6082951.85 | 1 | 12 | 2.5 | 11 | 9 | 102 | 68 | 0.25 | 16 | 3.77 | 0.091 | 0.37 | 0.05 | 1.13 | 0.29 | 7 | 0.2 |
| 99H-68 | 378482.32 | 6086547.36 | 1 | 16 | 28.0 | 58 | 16 | 1164 | 75 | 1.00 | 31 | 2.36 | 0.100 | 0.42 | 0.12 | 2.45 | 0.74 | 11 | 0.1 |
| 99H-69 | 378901.57 | 6085104.21 | 1 | 24 | 25.0 | 70 | 20 | 1407 | 73 | 1.30 | 38 | 2.60 | 0.084 | 0.48 | 0.12 | 2.81 | 0.78 | 11 | 0.1 |
| 99H-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1 | 18 | 16.0 | 16 | 13 | 362 | 42 | 0.60 | 13 | 2.41 | 0.124 | 0.25 | 0.04 | 0.83 | 0.32 | 4 | 0.2 |
| 99H-70-2 Field Duplicate | 377176.25 | 6084802.55 | 1 | 23 | 15.5 | 15 | 18 | 387 | 50 | 0.43 | 16 | 2.42 | 0.118 | 0.29 | 0.05 | 1.14 | 0.39 | 6 | 0.2 |
| 99H-71 | 375594.28 | 6084702.04 | 1 | 7 | 18.0 | 85 | 10 | 1122 | 64 | 0.80 | 13 | 2.61 | 0.178 | 0.32 | 0.04 | 0.73 | 0.29 | 2 | 0.2 |
| 99H-72 | 370123.86 | 6085972.41 | 1 | 8 | 24.0 | 26 | 11 | 123 | 34 | 0.60 | 15 | 1.22 | 0.098 | 0.16 | 0.05 | 1.10 | 0.36 | 4 | 0.2 |
| 99H-73 | 370656.16 | 6087109.32 | 1 | 8 | 28.0 | 28 | 9 | 183 | 50 | 0.60 | 17 | 1.59 | 0.052 | 0.22 | 0.06 | 1.32 | 0.44 | 3 | 0.1 |
| 99H-74 | 368347.58 | 6082970.14 | 1 | 9 | 26.0 | 36 | 12 | 196 | 49 | 0.60 | 25 | 1.13 | 0.115 | 0.25 | 0.09 | 1.76 | 0.61 | 6 | 0.1 |
| 99H-75 | 367566.14 | 6083452.59 | 1 | 6 | 26.0 | 34 | 9 | 426 | 33 | 0.80 | 15 | 1.07 | 0.109 | 0.15 | 0.05 | 1.02 | 0.39 | 2 | 0.1 |
| 99H-76-1 Analytical Duplicate | 366875.73 | 6082011.38 | 1 | 3 | 9.0 | 11 | 4 | 87 | 26 | 0.50 | 7 | 0.63 | 0.053 | 0.06 | 0.02 | 0.41 | 0.13 | 2 | 0.1 |
| 99H-76-2 Analytical Duplicate | 366875.73 | 6082011.38 | 1 | 3 | 10.0 | 12 | 4 | 93 | 23 | 0.50 | 7 | 0.68 | 0.055 | 0.06 | 0.02 | 0.43 | 0.13 | 2 | 0.1 |
| 99H-77 | 366237.10 | 6081599.59 | 1 | 4 | 22.0 | 46 | 8 | 601 | 30 | 0.25 | 14 | 0.76 | 0.105 | 0.13 | 0.06 | 0.96 | 0.40 | 2 | 0.1 |
| 99H-78 | 368777.48 | 6081793.37 | 1 | 3 | 14.0 | 5 | 3 | 32 | 42 | 0.25 | 9 | 0.54 | 0.060 | 0.09 | 0.05 | 0.88 | 0.29 | 2 | 0.1 |
| 99H-79 | 369918.79 | 6081283.90 | 1 | 6 | 9.0 | 12 | 6 | 132 | 42 | 0.70 | 7 | 3.20 | 0.093 | 0.26 | 0.03 | 0.53 | 0.19 | 2 | 0.2 |
| 99H-80 | 371536.33 | 6081711.47 | 1 | 11 | 33.0 | 56 | 21 | 209 | 42 | 1.40 | 19 | 0.59 | 0.161 | 0.14 | 0.05 | 1.23 | 0.37 | 6 | 0.2 |
| 99H-81 | 370746.10 | 6087688.00 | 1 | 8 | 26.0 | 32 | 8 | 134 | 96 | 0.25 | 17 | 0.89 | 0.062 | 0.17 | 0.10 | 2.05 | 0.72 | 4 | 0.1 |
| 99H-82-1 Field Duplicate | 372516.50 | 6088851.06 | 1 | 7 | 2.5 | 5 | 4 | 80 | 67 | 0.25 | 9 | 5.35 | 0.085 | 0.31 | 0.03 | 0.66 | 0.15 | 2 | 0.2 |
| 99H-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1 | 6 | 2.5 | 6 | 4 | 72 | 66 | 0.25 | 9 | 4.73 | 0.077 | 0.31 | 0.04 | 0.78 | 0.20 | 3 | 0.2 |
| 99H-83 | 372026.99 | 6090288.56 | 1 | 17 | 24.0 | 13 | 7 | 536 | 73 | 1.00 | 15 | 2.79 | 0.061 | 0.23 | 0.07 | 1.59 | 0.49 | 6 | 0.1 |
| 99H-84 | 370517.90 | 6089778.24 | 1 | 7 | 2.5 | 4 | 3 | 55 | 59 | 0.25 | 7 | 5.13 | 0.065 | 0.25 | 0.02 | 0.41 | 0.07 | 2 | 0.2 |
| 99H-85 | 370224.45 | 6088963.94 | 1 | 7 | 16.0 | 16 | 7 | 280 | 118 | 0.25 | 17 | 3.45 | 0.052 | 0.29 | 0.08 | 2.22 | 0.77 | 6 | 0.1 |
| 99H-86 | 370086.72 | 6088310.03 | 1 | 6 | 25.0 | 16 | 9 | 339 | 36 | 0.25 | 13 | 1.77 | 0.082 | 0.18 | 0.04 | 0.86 | 0.31 | 3 | 0.2 |
| 99H-87 | 365628.38 | 6087349.81 | 1 | 9 | 24.0 | 21 | 15 | 743 | 37 | 0.25 | 15 | 1.68 | 0.100 | 0.20 | 0.05 | 1.16 | 0.35 | 13 | 0.2 |
| 99H-88 | 366652.68 | 6088345.47 | 1 | 11 | 27.0 | 24 | 12 | 445 | 47 | 0.50 | 17 | 2.49 | 0.118 | 0.29 | 0.05 | 0.99 | 0.36 | 3 | 0.2 |
| 99H-89 | 359762.87 | 6089860.45 | 1 | 4 | 14.0 | 10 | 7 | 31 | 26 | 0.25 | 9 | 0.64 | 0.100 | 0.09 | 0.03 | 0.63 | 0.19 | 3 | 0.1 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-90 | 360419.16 | 6090713.89 | 1 | 5 | 20.0 | 25 | 8 | 372 | 29 | 0.25 | 7 | 0.60 | 0.073 | 0.08 | 0.04 | 0.72 | 0.26 | 2 | 0.1 |
| 99H-91 | 367854.62 | 6089411.77 | 1 | 4 | 17.0 | 28 | 9 | 156 | 23 | 0.25 | 7 | 0.62 | 0.077 | 0.09 | 0.05 | 0.62 | 0.25 | 2 | 0.2 |
| 99H-92 | 358969.17 | 6089064.02 | 1 | 2 | 2.5 | 83 | 3 | 1387 | 59 | 0.25 | 6 | 2.58 | 0.254 | 0.12 | 0.01 | 0.20 | 0.03 | 2 | 0.3 |
| 99H-93 | 360817.18 | 6089935.46 | 1 | 13 | 17.0 | 8 | 8 | 139 | 40 | 0.70 | 11 | 2.82 | 0.091 | 0.26 | 0.02 | 0.44 | 0.21 | 3 | 0.2 |
| 99H-94 | 361334.61 | 6088793.40 | 1 | 10 | 27.0 | 19 | 14 | 217 | 73 | 0.50 | 19 | 1.28 | 0.099 | 0.20 | 0.09 | 1.78 | 0.61 | 4 | 0.1 |
| 99H-95 | 359548.28 | 6088342.12 | 1 | 12 | 32.0 | 26 | 14 | 493 | 68 | 0.80 | 23 | 1.69 | 0.113 | 0.28 | 0.11 | 1.88 | 0.69 | 6 | 0.1 |
| 99H-96 | 360462.48 | 6087420.55 | 1 | 6 | 17.0 | 52 | 12 | 955 | 33 | 1.20 | 13 | 1.32 | 0.149 | 0.14 | 0.04 | 0.83 | 0.40 | 2 | 0.2 |
| 99H-97 | 361670.11 | 6088011.47 | 1 | 10 | 24.0 | 44 | 10 | 207 | 33 | 1.70 | 11 | 0.98 | 0.088 | 0.11 | 0.04 | 0.78 | 0.29 | 3 | 0.1 |
| 99H-98 | 360997.64 | 6086474.25 | 1 | 8 | 28.0 | 32 | 11 | 358 | 30 | 0.90 | 11 | 1.71 | 0.109 | 0.13 | 0.03 | 0.64 | 0.28 | 7 | 0.2 |
| 99H-99 | 366531.44 | 6089734.77 | 4 | 7 | 20.0 | 26 | 9 | 89 | 42 | 0.25 | 19 | 0.84 | 0.067 | 0.17 | 0.07 | 1.34 | 0.41 | 3 | 0.1 |
| 99H-100 | 365660.55 | 6089907.35 | 1 | 8 | 29.0 | 34 | 7 | 200 | 83 | 0.50 | 16 | 0.56 | 0.066 | 0.12 | 0.09 | 1.80 | 0.59 | 3 | 0.1 |
| 99H-101-1 Field Duplicate | 364004.46 | 6090265.61 | 1 | 11 | 37.0 | 18 | 16 | 94 | 59 | 0.70 | 19 | 0.53 | 0.092 | 0.16 | 0.09 | 1.72 | 0.53 | 6 | 0.1 |
| 99H-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1 | 6 | 21.0 | 50 | 9 | 514 | 26 | 0.50 | 9 | 0.68 | 0.097 | 0.09 | 0.04 | 0.67 | 0.29 | 2 | 0.1 |
| 99H-102 | 365042.73 | 6085719.91 | 1 | 7 | 25.0 | 32 | 13 | 137 | 37 | 0.25 | 15 | 0.92 | 0.083 | 0.15 | 0.05 | 0.96 | 0.35 | 3 | 0.2 |
| 99H-103 | 363623.14 | 6086658.21 | 1 | 10 | 21.0 | 45 | 12 | 360 | 46 | 0.60 | 19 | 0.99 | 0.108 | 0.21 | 0.07 | 1.36 | 0.45 | 3 | 0.1 |
| 99H-104 | 365252.32 | 6088140.42 | 1 | 10 | 15.0 | 15 | 11 | 304 | 42 | 0.70 | 11 | 2.27 | 0.101 | 0.20 | 0.03 | 0.70 | 0.23 | 4 | 0.2 |
| 99H-105 | 369243.39 | 6088065.28 | 1 | 9 | 2.5 | 9 | 8 | 68 | 107 | 0.25 | 15 | 4.96 | 0.085 | 0.38 | 0.05 | 1.12 | 0.24 | 4 | 0.2 |
| 99H-106 | 369259.00 | 6087478.80 | 1 | 11 | 27.0 | 17 | 9 | 322 | 62 | 0.50 | 17 | 3.74 | 0.061 | 0.28 | 0.07 | 1.45 | 0.47 | 6 | 0.1 |
| 99H-107 | 367342.33 | 6086563.25 | 1 | 7 | 2.5 | 3 | 4 | 106 | 102 | 0.25 | 5 | 5.75 | 0.064 | 0.33 | 0.02 | 0.42 | 0.09 | 2 | 0.2 |
| 99H-108 | 366150.70 | 6085252.06 | 1 | 10 | 30.0 | 23 | 9 | 174 | 42 | 0.25 | 11 | 2.56 | 0.063 | 0.24 | 0.04 | 0.75 | 0.26 | 4 | 0.1 |
| 99H-109 | 368585.13 | 6084340.09 | 1 | 13 | 29.0 | 21 | 13 | 905 | 49 | 0.70 | 17 | 2.87 | 0.072 | 0.25 | 0.05 | 1.02 | 0.34 | 8 | 0.1 |
| 99H-110 | 365361.78 | 6084343.39 | 1 | 16 | 23.0 | 21 | 19 | 280 | 66 | 0.25 | 21 | 2.54 | 0.089 | 0.34 | 0.07 | 1.41 | 0.47 | 17 | 0.1 |
| 99H-111 | 371414.93 | 6082844.68 | 1 | 8 | 19.0 | 16 | 8 | 111 | 53 | 0.70 | 15 | 1.02 | 0.081 | 0.15 | 0.06 | 1.25 | 0.39 | 3 | 0.1 |
| 99H-112 | 373206.39 | 6082560.89 | 1 | 5 | 26.0 | 101 | 7 | 305 | 23 | 0.90 | 11 | 0.70 | 0.193 | 0.13 | 0.05 | 0.72 | 0.36 | 2 | 0.1 |
| 99H-113 | 374372.83 | 6082434.83 | 1 | 4 | 8.0 | 27 | 6 | 101 | 18 | 0.50 | 2 | 0.76 | 0.106 | 0.07 | 0.01 | 0.26 | 0.18 | 2 | 0.2 |
| 99H-114 | 375612.85 | 6082701.79 | 1 | 9 | 8.0 | 36 | 4 | 33 | 42 | 0.50 | 5 | 1.74 | 0.070 | 0.12 | 0.02 | 0.34 | 0.09 | 2 | 0.2 |
| 99H-115 | 376837.58 | 6083283.99 | 1 | 12 | 2.5 | 7 | 8 | 102 | 69 | 0.25 | 13 | 4.60 | 0.071 | 0.35 | 0.04 | 0.90 | 0.20 | 4 | 0.2 |
| 99H-116-1 Analytical Duplicate | 376836.61 | 6082259.30 | 1 | 7 | 13.0 | 15 | 8 | 270 | 33 | 0.25 | 6 | 1.90 | 0.112 | 0.21 | 0.02 | 0.48 | 0.28 | 2 | 0.2 |
| 99H-116-2 Analytical Duplicate | 376836.61 | 6082259.30 | 1 | 7 | 13.0 | 16 | 8 | 272 | 31 | 0.25 | 6 | 1.92 | 0.111 | 0.21 | 0.02 | 0.49 | 0.28 | 2 | 0.2 |
| 99H-117 | 377727.45 | 6082617.72 | 1 | 9 | 13.0 | 28 | 10 | 520 | 38 | 0.25 | 6 | 2.52 | 0.138 | 0.21 | 0.03 | 0.55 | 0.31 | 2 | 0.2 |
| 99H-118 | 380435.24 | 6082526.84 | 1 | 7 | 19.0 | 29 | 8 | 251 | 33 | 0.25 | 12 | 1.44 | 0.087 | 0.16 | 0.04 | 0.81 | 0.27 | 3 | 0.2 |
| 99H-119 | 382085.70 | 6083046.21 | 1 | 3 | 15.0 | 22 | 8 | 298 | 164 | 0.25 | 23 | 1.19 | 0.086 | 0.25 | 0.10 | 3.30 | 1.10 | 4 | 0.1 |
| 99H-120 | 356959.53 | 6089846.66 | 1 | 11 | 25.0 | 25 | 12 | 152 | 35 | 0.90 | 12 | 1.90 | 0.110 | 0.19 | 0.05 | 0.95 | 0.34 | 6 | 0.2 |
| 99H-121 | 356420.52 | 6088346.81 | 1 | 4 | 19.0 | 20 | 7 | 159 | 38 | 0.70 | 16 | 0.50 | 0.073 | 0.12 | 0.07 | 1.20 | 0.41 | 2 | 0.1 |
| 99H-122 | 355531.65 | 6086917.04 | 1 | 3 | 18.0 | 21 | 6 | 71 | 24 | 0.25 | 8 | 0.49 | 0.072 | 0.09 | 0.04 | 0.73 | 0.24 | 2 | 0.1 |
| 99H-123 | 357174.69 | 6086097.90 | 1 | 8 | 28.0 | 25 | 13 | 225 | 34 | 1.40 | 19 | 0.75 | 0.112 | 0.17 | 0.07 | 1.25 | 0.46 | 3 | 0.1 |
| 99H-124-1 Field Duplicate | 362147.22 | 6090729.66 | 1 | 9 | 2.5 | 9 | 5 | 81 | 140 | 0.25 | 6 | 5.29 | 0.070 | 0.40 | 0.03 | 0.57 | 0.14 | 2 | 0.2 |
| 99H-124-2 Field Duplicate | 362147.22 | 6090729.66 | 1 | 5 | 2.5 | 3 | 2 | 67 | 130 | 0.25 | 2 | 4.93 | 0.063 | 0.39 | 0.01 | 0.28 | 0.06 | 2 | 0.2 |
| 99H-125 | 362574.30 | 6088793.60 | 1 | 14 | 17.0 | 17 | 10 | 454 | 64 | 1.00 | 17 | 2.90 | 0.059 | 0.27 | 0.08 | 1.58 | 0.47 | 4 | 0.1 |
| 99H-126 | 359632.73 | 6085112.70 | 1 | 13 | 19.0 | 10 | 8 | 264 | 57 | 0.25 | 13 | 3.82 | 0.086 | 0.32 | 0.04 | 0.79 | 0.25 | 4 | 0.2 |
| 99H-127 | 359088.91 | 6087067.02 | 1 | 6 | 25.0 | 23 | 9 | 120 | 28 | 0.25 | 14 | 0.61 | 0.091 | 0.13 | 0.05 | 0.94 | 0.32 | 2 | 0.1 |
| 99H-129 | 354975.32 | 6089429.73 | 1 | 8 | 2.5 | 3 | 3 | 51 | 99 | 0.25 | 2 | 5.52 | 0.085 | 0.28 | 0.02 | 0.31 | 0.07 | 2 | 0.2 |
| 99H-130 | 358359.43 | 6088287.11 | 1 | 2 | 2.5 | 8 | 2 | 5 | 52 | 0.25 | 2 | 1.71 | 0.049 | 0.04 | 0.01 | 0.20 | 0.02 | 2 | 0.3 |
| 99H-131 | 356359.18 | 6084946.56 | 1 | 13 | 16.0 | 15 | 11 | 197 | 43 | 0.25 | 14 | 2.50 | 0.108 | 0.25 | 0.04 | 0.90 | 0.31 | 10 | 0.2 |
| 99H-132 | 352858.25 | 6086503.69 | 1 | 19 | 12.0 | 45 | 20 | 105 | 119 | 0.25 | 54 | 2.74 | 0.084 | 0.61 | 0.18 | 3.88 | 0.95 | 7 | 0.1 |
| 99H-133 | 350961.55 | 6085671.72 | 1 | 7 | 2.5 | 15 | 3 | 23 | 60 | 0.25 | 8 | 3.20 | 0.071 | 0.18 | 0.03 | 0.67 | 0.13 | 2 | 0.2 |
| 99H-134 | 353845.36 | 6085793.03 | 1 | 18 | 36.0 | 25 | 13 | 360 | 46 | 0.90 | 18 | 1.65 | 0.078 | 0.21 | 0.06 | 1.24 | 0.36 | 7 | 0.1 |
| 99H-135 | 354883.31 | 6084079.64 | 1 | 8 | 15.0 | 58 | 8 | 640 | 30 | 1.70 | 6 | 1.69 | 0.113 | 0.13 | 0.02 | 0.47 | 0.26 | 2 | 0.2 |
| 99H-136 | 349567.90 | 6083833.12 | 1 | 11 | 33.0 | 60 | 10 | 502 | 37 | 0.70 | 13 | 1.30 | 0.083 | 0.18 | 0.06 | 0.99 | 0.33 | 2 | 0.1 |
| 99H-137 | 351850.75 | 6084320.15 | 1 | 13 | 2.5 | 17 | 6 | 120 | 71 | 0.25 | 8 | 4.79 | 0.069 | 0.30 | 0.03 | 0.59 | 0.13 | 2 | 0.1 |
| 99H-138 | 352071.35 | 6085574.59 | 1 | 13 | 9.0 | 39 | 13 | 66 | 79 | 0.25 | 36 | 2.85 | 0.119 | 0.40 | 0.15 | 3.07 | 0.76 | 8 | 0.1 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-139 | 357564.78 | 6084160.24 | 1 | 12 | 42.0 | 42 | 11 | 890 | 55 | 0.60 | 22 | 2.37 | 0.070 | 0.30 | 0.08 | 1.66 | 0.52 | 6 | 0.1 |
| 99H-140 | 363864.01 | 6082169.82 | 1 | 20 | 7.0 | 58 | 10 | 378 | 79 | 0.50 | 19 | 4.67 | 0.074 | 0.41 | 0.06 | 1.31 | 0.35 | 7 | 0.1 |
| 99H-141-1 Field Duplicate | 362142.99 | 6084076.48 | 1 | 14 | 36.0 | 83 | 19 | 720 | 65 | 1.60 | 31 | 1.76 | 0.119 | 0.31 | 0.12 | 2.31 | 0.73 | 6 | 0.1 |
| 99H-141-2 Field Duplicate | 362142.99 | 6084076.48 | 1 | 5 | 20.0 | 21 | 8 | 104 | 31 | 0.50 | 13 | 0.64 | 0.102 | 0.12 | 0.05 | 0.99 | 0.36 | 2 | 0.1 |
| 99H-142 | 361255.11 | 6081288.51 | 1 | 10 | 21.0 | 19 | 7 | 112 | 40 | 0.50 | 13 | 1.75 | 0.113 | 0.14 | 0.05 | 0.91 | 0.28 | 4 | 0.1 |
| 99H-143 | 362408.96 | 6082666.92 | 1 | 17 | 13.0 | 31 | 18 | 115 | 100 | 0.25 | 34 | 2.87 | 0.082 | 0.51 | 0.10 | 2.44 | 0.55 | 9 | 0.1 |
| 99H-144-1 Analytical Duplicate | 365789.89 | 6083994.83 | 1 | 14 | 21.0 | 29 | 10 | 132 | 71 | 0.25 | 14 | 3.38 | 0.084 | 0.32 | 0.04 | 0.88 | 0.31 | 9 | 0.2 |
| 99H-144-2 Analytical Duplicate | 365789.89 | 6083994.83 | 1 | 14 | 22.0 | 29 | 10 | 134 | 71 | 0.25 | 14 | 3.37 | 0.086 | 0.33 | 0.04 | 0.88 | 0.31 | 9 | 0.2 |
| 99H-145 | 365012.13 | 6082425.90 | 1 | 10 | 12.0 | 24 | 5 | 256 | 90 | 0.25 | 13 | 4.33 | 0.081 | 0.25 | 0.07 | 1.66 | 0.52 | 4 | 0.1 |
| 99H-146 | 388300.25 | 6089844.48 | 1 | 2 | 2.5 | 4 | 2 | 5 | 14 | 0.25 | 2 | 0.69 | 0.010 | 0.03 | 0.01 | 0.05 | 0.01 | 2 | 0.0 |
| 99H-147 | 382347.59 | 6086399.71 | 1 | 7 | 27.0 | 24 | 6 | 264 | 31 | 0.25 | 13 | 0.91 | 0.072 | 0.14 | 0.05 | 1.00 | 0.36 | 3 | 0.1 |
| 99H-148 | 373091.61 | 6084449.15 | 1 | 7 | 20.0 | 20 | 7 | 188 | 34 | 0.60 | 11 | 1.13 | 0.061 | 0.15 | 0.04 | 0.98 | 0.28 | 3 | 0.1 |
| 99H-149 | 370525.75 | 6084197.53 | 1 | 10 | 17.0 | 22 | 7 | 72 | 71 | 0.50 | 18 | 1.78 | 0.052 | 0.22 | 0.08 | 1.74 | 0.63 | 4 | 0.1 |
| 99H-150 | 378340.48 | 6088920.71 | 1 | 7 | 2.5 | 20 | 4 | 40 | 62 | 0.25 | 11 | 3.13 | 0.055 | 0.27 | 0.05 | 1.24 | 0.32 | 3 | 0.1 |
| 99H-151 | 379171.14 | 6087918.37 | 1 | 18 | 2.5 | 26 | 9 | 607 | 91 | 0.25 | 17 | 5.36 | 0.078 | 0.38 | 0.08 | 1.80 | 0.56 | 9 | 0.1 |
| 99H-152 | 375414.93 | 6088856.96 | 1 | 7 | 2.5 | 18 | 2 | 23 | 56 | 0.25 | 5 | 6.05 | 0.064 | 0.23 | 0.02 | 0.40 | 0.07 | 2 | 0.1 |
| 99H-153 | 375984.68 | 6087777.88 | 1 | 11 | 5.0 | 26 | 9 | 586 | 88 | 0.25 | 22 | 4.12 | 0.062 | 0.35 | 0.08 | 1.61 | 0.40 | 4 | 0.1 |
| 99H-154 | 376668.36 | 6087121.26 | 1 | 7 | 12.0 | 42 | 3 | 39 | 33 | 0.50 | 5 | 1.59 | 0.057 | 0.15 | 0.03 | 0.65 | 0.21 | 2 | 0.1 |
| 99H-155 | 375877.60 | 6086516.58 | 1 | 5 | 22.0 | 28 | 6 | 142 | 55 | 0.25 | 14 | 0.78 | 0.067 | 0.14 | 0.06 | 1.33 | 0.47 | 2 | 0.1 |
| 99H-156 | 373995.52 | 6086125.05 | 1 | 8 | 22.0 | 33 | 7 | 228 | 54 | 0.25 | 12 | 1.45 | 0.050 | 0.17 | 0.06 | 1.34 | 0.44 | 3 | 0.1 |
| 99H-157 | 372027.71 | 6087027.04 | 1 | 4 | 2.5 | 23 | 2 | 385 | 68 | 0.25 | 2 | 4.94 | 0.069 | 0.32 | 0.01 | 0.20 | 0.07 | 2 | 0.2 |
| 99H-201 | 371334.99 | 6079065.23 | 1 | 8 | 26.0 | 92 | 8 | 2891 | 31 | 0.25 | 8 | 1.61 | 0.182 | 0.11 | 0.03 | 0.58 | 0.24 | 2 | 0.2 |
| 99H-202 | 370612.18 | 6078749.88 | 1 | 8 | 25.0 | 27 | 10 | 230 | 41 | 0.25 | 16 | 1.15 | 0.155 | 0.18 | 0.06 | 1.14 | 0.41 | 2 | 0.2 |
| 99H-203 | 369733.49 | 6079116.31 | 1 | 10 | 7.0 | 24 | 13 | 237 | 50 | 0.25 | 16 | 2.47 | 0.112 | 0.29 | 0.05 | 1.26 | 0.35 | 17 | 0.2 |
| 99H-204 | 368745.75 | 6078704.52 | 1 | 5 | 14.0 | 34 | 5 | 144 | 27 | 0.25 | 7 | 1.37 | 0.108 | 0.13 | 0.03 | 0.54 | 0.19 | 3 | 0.2 |
| 99H-205 | 367736.72 | 6078107.25 | 1 | 9 | 13.0 | 22 | 8 | 107 | 35 | 0.25 | 9 | 1.54 | 0.093 | 0.15 | 0.03 | 0.76 | 0.22 | 9 | 0.1 |
| 99H-206 | 366185.42 | 6077629.58 | 1 | 15 | 25.0 | 28 | 14 | 832 | 54 | 0.25 | 23 | 1.68 | 0.101 | 0.31 | 0.08 | 1.78 | 0.48 | 19 | 0.1 |
| 99H-207 | 370205.14 | 6080422.95 | 1 | 5 | 15.0 | 16 | 6 | 56 | 36 | 0.25 | 10 | 1.21 | 0.133 | 0.14 | 0.04 | 0.89 | 0.28 | 3 | 0.2 |
| 99H-208 | 365599.84 | 6076900.47 | 1 | 9 | 12.0 | 32 | 7 | 40 | 39 | 0.25 | 10 | 1.14 | 0.066 | 0.16 | 0.05 | 0.90 | 0.27 | 6 | 0.1 |
| 99H-209 | 367275.47 | 6079004.52 | 1 | 10 | 15.0 | 22 | 12 | 129 | 49 | 0.25 | 14 | 1.67 | 0.108 | 0.23 | 0.05 | 1.15 | 0.32 | 10 | 0.2 |
| 99H-210 | 367991.68 | 6079460.20 | 1 | 6 | 18.0 | 23 | 9 | 90 | 44 | 0.25 | 21 | 1.48 | 0.125 | 0.20 | 0.06 | 1.32 | 0.39 | 7 | 0.2 |
| 99H-211 | 368856.57 | 6080449.74 | 1 | 4 | 16.0 | 24 | 3 | 80 | 27 | 0.70 | 9 | 0.69 | 0.091 | 0.09 | 0.03 | 0.62 | 0.23 | 2 | 0.1 |
| 99H-212 | 367569.80 | 6080402.33 | 1 | 17 | 14.0 | 34 | 16 | 311 | 56 | 0.25 | 21 | 2.07 | 0.109 | 0.34 | 0.07 | 1.56 | 0.39 | 13 | 0.1 |
| 99H-213 | 365183.13 | 6079542.10 | 1 | 9 | 19.0 | 24 | 14 | 580 | 53 | 0.25 | 12 | 2.32 | 0.179 | 0.20 | 0.04 | 0.86 | 0.30 | 9 | 0.2 |
| 99H-214 | 360603.87 | 6076390.98 | 1 | 10 | 2.5 | 37 | 3 | 76 | 91 | 0.25 | 3 | 5.31 | 0.088 | 0.34 | 0.02 | 0.34 | 0.10 | 2 | 0.3 |
| 99H-215 | 360976.40 | 6074963.41 | 1 | 4 | 18.0 | 31 | 8 | 108 | 19 | 0.25 | 7 | 0.39 | 0.085 | 0.07 | 0.03 | 0.56 | 0.23 | 2 | 0.1 |
| 99H-216 | 360316.32 | 6077803.64 | 1 | 12 | 15.0 | 24 | 12 | 77 | 48 | 0.25 | 14 | 1.84 | 0.088 | 0.22 | 0.05 | 0.98 | 0.29 | 10 | 0.2 |
| 99H-217 | 359631.41 | 6079022.59 | 1 | 16 | 26.0 | 104 | 16 | 442 | 60 | 0.60 | 19 | 2.83 | 0.134 | 0.34 | 0.06 | 1.36 | 0.48 | 6 | 0.2 |
| 99H-218 | 363444.79 | 6074383.10 | 1 | 13 | 25.0 | 32 | 13 | 447 | 61 | 0.25 | 26 | 2.94 | 0.071 | 0.39 | 0.09 | 1.99 | 0.55 | 14 | 0.1 |
| 99H-219-1 Field Duplicate | 367825.77 | 6068425.98 | 1 | 12 | 18.0 | 38 | 17 | 376 | 51 | 0.50 | 27 | 1.97 | 0.111 | 0.44 | 0.08 | 2.12 | 0.58 | 19 | 0.1 |
| 99H-219-2 Field Duplicate | 367825.77 | 6068425.98 | 1 | 13 | 20.0 | 42 | 20 | 405 | 57 | 0.25 | 35 | 1.89 | 0.111 | 0.52 | 0.11 | 2.63 | 0.71 | 20 | 0.1 |
| 99H-220 | 368431.98 | 6067452.60 | 1 | 6 | 18.0 | 26 | 8 | 93 | 23 | 0.50 | 5 | 0.39 | 0.098 | 0.06 | 0.03 | 0.48 | 0.27 | 2 | 0.1 |
| 99H-221 | 360246.41 | 6081552.52 | 1 | 9 | 24.0 | 19 | 7 | 35 | 31 | 0.60 | 11 | 0.71 | 0.098 | 0.10 | 0.05 | 0.85 | 0.27 | 2 | 0.1 |
| 99H-222 | 356447.39 | 6083211.54 | 1 | 30 | 2.5 | 22 | 15 | 132 | 76 | 0.70 | 13 | 5.63 | 0.111 | 0.33 | 0.04 | 0.90 | 0.20 | 7 | 0.2 |
| 99H-223 | 355505.67 | 6083205.01 | 1 | 4 | 19.0 | 28 | 4 | 21 | 21 | 0.90 | 5 | 0.91 | 0.072 | 0.08 | 0.02 | 0.42 | 0.15 | 2 | 0.1 |
| 99H-224 | 350117.78 | 6081716.84 | 1 | 4 | 21.0 | 14 | 6 | 51 | 27 | 0.25 | 9 | 0.63 | 0.058 | 0.11 | 0.04 | 0.78 | 0.27 | 2 | 0.1 |
| 99H-225-1 Field Duplicate | 350702.40 | 6083206.61 | 1 | 36 | 2.5 | 32 | 18 | 332 | 83 | 0.25 | 20 | 5.26 | 0.095 | 0.40 | 0.07 | 1.48 | 0.35 | 7 | 0.1 |
| 99H-225-2 Field Duplicate | 350702.40 | 6083206.61 | 1 | 2 | 2.5 | 52 | 2 | 30 | 45 | 0.25 | 2 | 5.30 | 0.059 | 0.24 | 0.01 | 0.15 | 0.04 | 2 | 0.2 |
| 99H-226 | 354277.47 | 6083205.79 | 1 | 6 | 15.0 | 60 | 7 | 834 | 20 | 0.70 | 6 | 0.75 | 0.141 | 0.08 | 0.03 | 0.52 | 0.28 | 2 | 0.1 |
| 99H-227 | 355381.59 | 6075600.60 | 1 | 8 | 21.0 | 54 | 6 | 549 | 30 | 0.70 | 9 | 0.97 | 0.123 | 0.13 | 0.04 | 0.76 | 0.33 | 2 | 0.2 |
| 99H-228-1 Analytical Duplicate | 353986.25 | 6074843.74 | 1 | 14 | 19.0 | 37 | 19 | 392 | 53 | 0.25 | 21 | 1.87 | 0.113 | 0.32 | 0.07 | 1.55 | 0.47 | 23 | 0.2 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-228-2 Analytical Duplicate | 353986.25 | 6074843.74 | 1 | 14 | 19.0 | 36 | 18 | 385 | 52 | 0.25 | 21 | 1.83 | 0.108 | 0.31 | 0.07 | 1.52 | 0.46 | 23 | 0.2 |
| 99H-229 | 353511.14 | 6076295.59 | 1 | 18 | 13.0 | 35 | 16 | 311 | 125 | 0.25 | 38 | 3.68 | 0.122 | 0.53 | 0.11 | 2.31 | 0.61 | 9 | 0.2 |
| 99H-230-1 Field Duplicate | 355405.44 | 6076684.24 | 1 | 9 | 18.0 | 71 | 6 | 891 | 22 | 0.25 | 4 | 0.86 | 0.136 | 0.10 | 0.02 | 0.42 | 0.20 | 2 | 0.2 |
| 99H-230-2 Field Duplicate | 355405.44 | 6076684.24 | 1 | 8 | 18.0 | 47 | 5 | 89 | 37 | 0.70 | 13 | 0.77 | 0.104 | 0.12 | 0.06 | 1.02 | 0.31 | 2 | 0.2 |
| 99H-231 | 352016.78 | 6076101.86 | 1 | 8 | 26.0 | 21 | 9 | 67 | 41 | 0.25 | 20 | 0.56 | 0.091 | 0.17 | 0.09 | 1.44 | 0.46 | 3 | 0.1 |
| 99H-232 | 353290.64 | 6078687.59 | 1 | 7 | 12.0 | 23 | 7 | 104 | 36 | 0.25 | 17 | 0.85 | 0.058 | 0.17 | 0.07 | 1.26 | 0.35 | 4 | 0.1 |
| 99H-233 | 353080.39 | 6072997.78 | 1 | 5 | 26.0 | 23 | 5 | 45 | 24 | 0.70 | 7 | 0.67 | 0.071 | 0.10 | 0.03 | 0.61 | 0.22 | 2 | 0.1 |
| 99H-234 | 352085.67 | 6071913.45 | 1 | 4 | 25.0 | 34 | 5 | 35 | 24 | 0.25 | 7 | 0.60 | 0.076 | 0.07 | 0.03 | 0.56 | 0.22 | 2 | 0.1 |
| 99H-235 | 352971.33 | 6071021.91 | 1 | 6 | 20.0 | 21 | 7 | 82 | 29 | 0.25 | 9 | 0.68 | 0.072 | 0.08 | 0.04 | 0.67 | 0.23 | 2 | 0.1 |
| 99H-236 | 375222.72 | 6068829.48 | 1 | 6 | 21.0 | 15 | 8 | 60 | 31 | 0.50 | 9 | 0.57 | 0.126 | 0.10 | 0.04 | 0.75 | 0.24 | 2 | 0.2 |
| 99H-237 | 373322.15 | 6067669.32 | 1 | 7 | 24.0 | 38 | 13 | 335 | 41 | 0.60 | 20 | 0.51 | 0.157 | 0.17 | 0.09 | 1.50 | 0.48 | 2 | 0.1 |
| 99H-238 | 372452.18 | 6069244.38 | 1 | 3 | 19.0 | 19 | 5 | 65 | 26 | 0.25 | 7 | 0.38 | 0.086 | 0.07 | 0.03 | 0.56 | 0.26 | 2 | 0.1 |
| 99H-239 | 368922.50 | 6069508.74 | 1 | 7 | 20.0 | 46 | 8 | 75 | 29 | 0.25 | 11 | 0.46 | 0.087 | 0.10 | 0.05 | 0.84 | 0.32 | 2 | 0.1 |
| 99H-240 | 370909.02 | 6070515.51 | 1 | 15 | 34.0 | 40 | 12 | 430 | 62 | 0.70 | 19 | 3.64 | 0.122 | 0.32 | 0.06 | 1.33 | 0.38 | 7 | 0.2 |
| 99H-241-1 Analytical Duplicate | 372758.61 | 6071129.61 | 1 | 8 | 23.0 | 44 | 10 | 88 | 42 | 0.25 | 13 | 0.73 | 0.079 | 0.15 | 0.06 | 1.19 | 0.40 | 3 | 0.1 |
| 99H-241-2 Analytical Duplicate | 372758.61 | 6071129.61 | 1 | 8 | 24.0 | 44 | 10 | 80 | 42 | 0.25 | 15 | 0.67 | 0.081 | 0.15 | 0.06 | 1.23 | 0.42 | 3 | 0.1 |
| 99H-242 | 370633.94 | 6066046.81 | 1 | 8 | 22.0 | 24 | 8 | 162 | 70 | 0.25 | 10 | 0.60 | 0.089 | 0.09 | 0.05 | 1.25 | 0.23 | 2 | 0.1 |
| 99H-243 | 373883.08 | 6066058.33 | 1 | 6 | 19.0 | 24 | 10 | 128 | 27 | 0.25 | 10 | 1.00 | 0.117 | 0.13 | 0.04 | 0.80 | 0.25 | 3 | 0.2 |
| 99H-244 | 374717.33 | 6075559.23 | 1 | 10 | 25.0 | 31 | 12 | 151 | 34 | 0.25 | 12 | 1.94 | 0.103 | 0.20 | 0.04 | 0.80 | 0.29 | 7 | 0.1 |
| 99H-245 | 373013.86 | 6074903.92 | 1 | 5 | 12.0 | 31 | 6 | 78 | 20 | 0.25 | 6 | 0.38 | 0.099 | 0.08 | 0.03 | 0.53 | 0.22 | 2 | 0.1 |
| 99H-246 | 375209.93 | 6072610.07 | 1 | 5 | 13.0 | 15 | 5 | 15 | 22 | 0.25 | 5 | 0.95 | 0.078 | 0.14 | 0.02 | 0.38 | 0.15 | 2 | 0.2 |
| 99H-247 | 367223.27 | 6077159.70 | 1 | 8 | 23.0 | 24 | 12 | 75 | 43 | 0.25 | 19 | 0.79 | 0.094 | 0.19 | 0.07 | 1.45 | 0.41 | 12 | 0.1 |
| 99H-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1 | 8 | 23.0 | 34 | 9 | 267 | 40 | 0.25 | 14 | 1.78 | 0.098 | 0.23 | 0.05 | 0.97 | 0.36 | 2 | 0.2 |
| 99H-248-2 Field Duplicate | 363998.87 | 6080166.06 | 1 | 9 | 22.0 | 47 | 8 | 243 | 35 | 0.25 | 10 | 1.85 | 0.101 | 0.21 | 0.04 | 0.69 | 0.28 | 2 | 0.2 |
| 99H-249 | 366434.90 | 6080165.02 | 1 | 5 | 21.0 | 19 | 9 | 54 | 28 | 0.25 | 12 | 0.28 | 0.100 | 0.08 | 0.05 | 0.89 | 0.29 | 2 | 0.1 |
| 99H-250 | 365625.09 | 6080983.27 | 1 | 10 | 15.0 | 25 | 10 | 158 | 42 | 0.25 | 10 | 2.18 | 0.169 | 0.17 | 0.02 | 0.57 | 0.23 | 11 | 0.2 |
| 99H-251 | 369454.61 | 6077674.80 | 1 | 3 | 11.0 | 10 | 3 | 20 | 27 | 0.25 | 4 | 0.39 | 0.065 | 0.06 | 0.02 | 0.44 | 0.16 | 2 | 0.1 |
| 99H-252 | 370212.70 | 6077226.07 | 1 | 5 | 16.0 | 55 | 7 | 98 | 23 | 1.00 | 6 | 0.88 | 0.147 | 0.08 | 0.02 | 0.41 | 0.22 | 2 | 0.1 |
| 99H-253 | 369727.62 | 6076391.19 | 1 | 5 | 16.0 | 37 | 6 | 560 | 32 | 0.50 | 8 | 1.87 | 0.113 | 0.22 | 0.03 | 0.56 | 0.23 | 2 | 0.2 |
| 99H-254 | 369294.01 | 6075027.52 | 1 | 16 | 12.0 | 35 | 17 | 293 | 56 | 0.25 | 20 | 1.91 | 0.118 | 0.23 | 0.06 | 1.73 | 0.39 | 29 | 0.1 |
| 99H-255 | 369082.74 | 6074188.19 | 1 | 8 | 17.0 | 33 | 12 | 66 | 45 | 0.25 | 18 | 0.50 | 0.122 | 0.16 | 0.07 | 1.44 | 0.39 | 6 | 0.1 |
| 99H-256 | 372073.59 | 6075860.94 | 1 | 5 | 14.0 | 17 | 6 | 68 | 31 | 0.25 | 16 | 0.38 | 0.083 | 0.10 | 0.06 | 1.06 | 0.36 | 2 | 0.1 |
| 99H-257 | 370578.92 | 6075052.05 | 1 | 5 | 24.0 | 47 | 6 | 620 | 23 | 0.25 | 11 | 0.74 | 0.110 | 0.08 | 0.03 | 0.61 | 0.25 | 2 | 0.1 |
| 99H-258 | 368572.08 | 6072950.08 | 1 | 5 | 22.0 | 31 | 8 | 248 | 38 | 0.25 | 12 | 0.93 | 0.097 | 0.11 | 0.05 | 0.96 | 0.34 | 2 | 0.1 |
| 99H-259 | 367901.42 | 6074827.37 | 1 | 6 | 14.0 | 29 | 6 | 44 | 34 | 0.50 | 12 | 0.80 | 0.082 | 0.14 | 0.05 | 0.92 | 0.29 | 2 | 0.1 |
| 99H-260 | 359223.52 | 6069883.78 | 1 | 6 | 15.0 | 73 | 10 | 1231 | 22 | 0.50 | 6 | 0.81 | 0.172 | 0.08 | 0.03 | 0.45 | 0.27 | 2 | 0.1 |
| 99H-261 | 360063.93 | 6069315.74 | 1 | 22 | 6.0 | 29 | 9 | 416 | 72 | 0.50 | 16 | 5.62 | 0.088 | 0.30 | 0.06 | 1.26 | 0.34 | 6 | 0.2 |
| 99H-262 | 355969.59 | 6070935.17 | 1 | 12 | 8.0 | 27 | 8 | 183 | 53 | 0.60 | 13 | 4.72 | 0.101 | 0.36 | 0.03 | 0.73 | 0.22 | 4 | 0.2 |
| 99H-263 | 357994.39 | 6070646.49 | 1 | 15 | 11.0 | 44 | 21 | 297 | 75 | 0.50 | 38 | 3.00 | 0.097 | 0.66 | 0.13 | 3.13 | 0.78 | 9 | 0.1 |
| 99H-264 | 360989.77 | 6069149.40 | 1 | 17 | 25.0 | 37 | 13 | 364 | 45 | 0.25 | 16 | 1.96 | 0.094 | 0.26 | 0.06 | 1.15 | 0.36 | 3 | 0.1 |
| 99H-265 | 361329.67 | 6072980.83 | 1 | 8 | 22.0 | 29 | 8 | 131 | 23 | 0.25 | 10 | 0.87 | 0.079 | 0.13 | 0.04 | 0.67 | 0.25 | 2 | 0.2 |
| 99H-266 | 363559.03 | 6071022.97 | 1 | 8 | 25.0 | 26 | 11 | 460 | 49 | 0.50 | 19 | 2.31 | 0.072 | 0.28 | 0.07 | 1.41 | 0.42 | 7 | 0.1 |
| 99H-267 | 377020.28 | 6069882.33 | 1 | 7 | 19.0 | 39 | 8 | 291 | 23 | 1.20 | 11 | 0.41 | 0.162 | 0.10 | 0.04 | 0.69 | 0.28 | 2 | 0.1 |
| 99H-268 | 379044.14 | 6070599.95 | 1 | 7 | 21.0 | 25 | 10 | 407 | 29 | 0.25 | 9 | 1.04 | 0.134 | 0.12 | 0.04 | 0.72 | 0.28 | 2 | 0.2 |
| 99H-269 | 376364.81 | 6071760.41 | 1 | 6 | 12.0 | 17 | 6 | 81 | 17 | 0.90 | 7 | 0.48 | 0.120 | 0.09 | 0.03 | 0.46 | 0.23 | 2 | 0.1 |
| 99H-270 | 377781.24 | 6066042.44 | 1 | 10 | 8.0 | 28 | 11 | 100 | 79 | 0.25 | 22 | 3.09 | 0.101 | 0.41 | 0.08 | 1.64 | 0.38 | 6 | 0.2 |
| 99H-271 | 383858.83 | 6067703.50 | 1 | 7 | 20.0 | 23 | 6 | 110 | 28 | 0.25 | 9 | 1.33 | 0.083 | 0.16 | 0.04 | 0.74 | 0.26 | 2 | 0.2 |
| 99H-272 | 384102.61 | 6068885.27 | 1 | 6 | 18.0 | 21 | 6 | 138 | 18 | 0.25 | 6 | 1.21 | 0.080 | 0.13 | 0.02 | 0.39 | 0.16 | 2 | 0.2 |
| 99H-273 | 380547.15 | 6070612.20 | 1 | 6 | 16.0 | 15 | 7 | 99 | 15 | 0.25 | 8 | 0.74 | 0.082 | 0.10 | 0.02 | 0.47 | 0.17 | 2 | 0.2 |
| 99H-274 | 382955.22 | 6071800.72 | 1 | 8 | 24.0 | 26 | 10 | 1000 | 39 | 0.25 | 10 | 2.58 | 0.114 | 0.30 | 0.03 | 0.70 | 0.24 | 4 | 0.2 |
| 99H-275 | 381967.41 | 6070087.68 | 1 | 13 | 19.0 | 21 | 10 | 573 | 34 | 0.25 | 8 | 2.95 | 0.137 | 0.25 | 0.02 | 0.53 | 0.20 | 4 | 0.2 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1 | 7 | 18.0 | 23 | 12 | 463 | 25 | 0.25 | 9 | 0.92 | 0.097 | 0.13 | 0.04 | 0.67 | 0.27 | 2 | 0.2 |
| 99H-276-2 Field Duplicate | 385148.66 | 6077248.38 | 1 | 8 | 18.0 | 24 | 11 | 554 | 28 | 0.25 | 9 | 0.85 | 0.112 | 0.12 | 0.04 | 0.77 | 0.29 | 2 | 0.2 |
| 99H-277 | 386690.16 | 6081682.14 | 1 | 12 | 16.0 | 30 | 10 | 160 | 49 | 0.25 | 13 | 3.66 | 0.124 | 0.23 | 0.04 | 0.75 | 0.25 | 2 | 0.2 |
| 99H-278 | 388023.91 | 6080577.61 | 1 | 13 | 2.5 | 26 | 7 | 233 | 130 | 0.25 | 15 | 5.80 | 0.100 | 0.41 | 0.04 | 0.90 | 0.24 | 4 | 0.2 |
| 99H-279 | 376310.70 | 6077007.87 | 1 | 8 | 24.0 | 40 | 10 | 317 | 28 | 0.25 | 11 | 1.00 | 0.093 | 0.13 | 0.04 | 0.75 | 0.27 | 6 | 0.1 |
| 99H-280 | 384159.38 | 6073682.24 | 1 | 5 | 11.0 | 31 | 3 | 1181 | 49 | 0.50 | 6 | 3.94 | 0.106 | 0.23 | 0.02 | 0.44 | 0.15 | 2 | 0.2 |
| 99H-281 | 379124.40 | 6067728.11 | 1 | 17 | 21.0 | 28 | 19 | 916 | 72 | 0.25 | 21 | 2.09 | 0.079 | 0.34 | 0.09 | 2.01 | 0.59 | 9 | 0.1 |
| 99H-282 | 382727.20 | 6079909.30 | 1 | 11 | 17.0 | 34 | 14 | 626 | 46 | 0.25 | 23 | 1.52 | 0.091 | 0.31 | 0.08 | 1.84 | 0.45 | 15 | 0.1 |
| 99H-283 | 382282.71 | 6077714.41 | 1 | 11 | 15.0 | 41 | 6 | 86 | 74 | 0.50 | 17 | 1.95 | 0.059 | 0.27 | 0.09 | 1.57 | 0.53 | 3 | 0.1 |
| 99H-284 | 383840.14 | 6075866.88 | 1 | 6 | 2.5 | 27 | 2 | 94 | 48 | 0.25 | 6 | 4.14 | 0.056 | 0.15 | 0.02 | 0.38 | 0.07 | 2 | 0.2 |
| 99H-285 | 382958.94 | 6074543.38 | 1 | 9 | 23.0 | 34 | 12 | 161 | 89 | 0.25 | 23 | 2.21 | 0.075 | 0.44 | 0.08 | 1.70 | 0.51 | 4 | 0.1 |
| 99H-286 | 385475.05 | 6074190.49 | 1 | 9 | 2.5 | 20 | 4 | 128 | 58 | 0.25 | 7 | 5.32 | 0.072 | 0.27 | 0.03 | 0.73 | 0.21 | 2 | 0.2 |
| 99H-287 | 385938.09 | 6072538.35 | 1 | 6 | 16.0 | 21 | 5 | 48 | 21 | 0.25 | 6 | 0.71 | 0.076 | 0.12 | 0.03 | 0.57 | 0.22 | 2 | 0.1 |
| 99H-288 | 384706.93 | 6071638.97 | 1 | 14 | 9.0 | 33 | 13 | 530 | 94 | 0.25 | 31 | 4.08 | 0.107 | 0.49 | 0.12 | 2.82 | 0.74 | 11 | 0.1 |
| 99H-289 | 384447.42 | 6070035.32 | 1 | 24 | 24.0 | 37 | 15 | 434 | 65 | 0.70 | 30 | 2.29 | 0.079 | 0.42 | 0.11 | 2.53 | 0.63 | 12 | 0.1 |
| 99H-290 | 385875.21 | 6070091.77 | 1 | 15 | 12.0 | 33 | 11 | 229 | 63 | 0.25 | 22 | 3.78 | 0.086 | 0.47 | 0.08 | 1.66 | 0.44 | 4 | 0.2 |
| 99H-291 | 386749.94 | 6071142.51 | 1 | 4 | 2.5 | 13 | 4 | 39 | 25 | 0.25 | 7 | 1.61 | 0.054 | 0.16 | 0.02 | 0.71 | 0.10 | 4 | 0.1 |
| 99H-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1 | 4 | 16.0 | 19 | 6 | 36 | 17 | 0.25 | 7 | 0.29 | 0.084 | 0.06 | 0.03 | 0.51 | 0.22 | 2 | 0.1 |
| 99H-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1 | 4 | 18.0 | 17 | 4 | 28 | 18 | 0.25 | 7 | 0.37 | 0.074 | 0.06 | 0.03 | 0.51 | 0.18 | 2 | 0.1 |
| 99H-293-1 Analytical Duplicate | 373332.21 | 6078856.12 | 1 | 12 | 21.0 | 25 | 8 | 248 | 30 | 0.25 | 11 | 1.73 | 0.110 | 0.16 | 0.04 | 0.77 | 0.27 | 6 | 0.1 |
| 99H-293-2 Analytical Duplicate | 373332.21 | 6078856.12 | 1 | 12 | 21.0 | 30 | 8 | 256 | 33 | 0.50 | 13 | 1.76 | 0.111 | 0.16 | 0.04 | 0.77 | 0.27 | 4 | 0.1 |
| 99H-294 | 374312.89 | 6078921.40 | 1 | 5 | 13.0 | 15 | 5 | 108 | 20 | 0.25 | 7 | 0.66 | 0.076 | 0.07 | 0.02 | 0.44 | 0.19 | 2 | 0.1 |
| 99H-295 | 375182.62 | 6078624.03 | 1 | 7 | 19.0 | 34 | 7 | 275 | 34 | 0.80 | 9 | 1.61 | 0.158 | 0.15 | 0.03 | 0.63 | 0.27 | 3 | 0.1 |
| 99H-296 | 376386.81 | 6078570.83 | 1 | 7 | 15.0 | 27 | 8 | 110 | 36 | 0.25 | 11 | 1.68 | 0.109 | 0.14 | 0.03 | 0.62 | 0.25 | 10 | 0.2 |
| 99H-297 | 377606.00 | 6078057.09 | 1 | 6 | 14.0 | 24 | 10 | 165 | 72 | 0.25 | 15 | 3.15 | 0.075 | 0.67 | 0.06 | 1.56 | 0.61 | 4 | 0.1 |
| 99H-298 | 377794.68 | 6079094.31 | 1 | 29 | 10.0 | 42 | 14 | 569 | 59 | 0.25 | 20 | 3.13 | 0.093 | 0.32 | 0.06 | 1.76 | 0.42 | 9 | 0.1 |
| 99H-299 | 377733.77 | 6080049.38 | 1 | 7 | 19.0 | 50 | 6 | 228 | 40 | 0.25 | 11 | 1.04 | 0.105 | 0.11 | 0.04 | 0.80 | 0.31 | 2 | 0.2 |
| 99H-300 | 383601.49 | 6081754.27 | 1 | 12 | 16.0 | 30 | 11 | 233 | 42 | 0.25 | 17 | 1.58 | 0.084 | 0.23 | 0.05 | 1.18 | 0.34 | 9 | 0.1 |
| 99H-301 | 382264.75 | 6081807.41 | 1 | 3 | 18.0 | 9 | 5 | 48 | 16 | 0.25 | 5 | 0.28 | 0.070 | 0.05 | 0.03 | 0.45 | 0.17 | 2 | 0.1 |
| 99H-302 | 381825.16 | 6080640.92 | 1 | 11 | 2.5 | 24 | 7 | 107 | 85 | 0.25 | 15 | 5.59 | 0.082 | 0.29 | 0.06 | 1.45 | 0.38 | 6 | 0.1 |
| 99H-303 | 381419.93 | 6079292.48 | 1 | 5 | 13.0 | 36 | 11 | 72 | 21 | 0.25 | 7 | 0.75 | 0.102 | 0.15 | 0.02 | 0.42 | 0.21 | 2 | 0.1 |
| 99H-304 | 379828.87 | 6079816.74 | 1 | 17 | 13.0 | 20 | 22 | 271 | 64 | 0.25 | 12 | 1.85 | 0.145 | 0.20 | 0.04 | 0.91 | 0.28 | 4 | 0.2 |
| 99H-305-1 Field Duplicate | 373257.01 | 6080611.99 | 1 | 10 | 12.0 | 63 | 5 | 819 | 48 | 0.25 | 16 | 2.00 | 0.155 | 0.22 | 0.06 | 1.20 | 0.37 | 3 | 0.2 |
| 99H-305-2 Field Duplicate | 373257.01 | 6080611.99 | 1 | 24 | 15.0 | 43 | 10 | 171 | 114 | 0.90 | 18 | 2.05 | 0.065 | 0.34 | 0.11 | 2.54 | 0.81 | 6 | 0.1 |
| 99H-306 | 374075.08 | 6080290.59 | 1 | 9 | 22.0 | 153 | 10 | 449 | 46 | 0.70 | 11 | 1.32 | 0.176 | 0.13 | 0.04 | 0.78 | 0.33 | 2 | 0.2 |
| 99H-307 | 376118.15 | 6080021.19 | 1 | 8 | 27.0 | 85 | 10 | 898 | 44 | 0.80 | 10 | 1.20 | 0.177 | 0.14 | 0.05 | 0.96 | 0.37 | 2 | 0.2 |
| 99H-308 | 378593.33 | 6079122.68 | 1 | 4 | 14.0 | 18 | 3 | 48 | 17 | 0.25 | 5 | 0.16 | 0.112 | 0.07 | 0.02 | 0.39 | 0.17 | 2 | 0.1 |
| 99H-310 | 378075.60 | 6081454.42 | 1 | 6 | 13.0 | 20 | 3 | 102 | 37 | 0.25 | 5 | 2.06 | 0.126 | 0.15 | 0.02 | 0.39 | 0.18 | 2 | 0.2 |
| 99H-311 | 375825.45 | 6081477.33 | 1 | 12 | 19.0 | 32 | 9 | 284 | 48 | 0.60 | 16 | 2.03 | 0.122 | 0.26 | 0.06 | 1.33 | 0.47 | 3 | 0.2 |
| 99H-312 | 374729.14 | 6081514.74 | 1 | 32 | 10.0 | 29 | 15 | 628 | 62 | 0.70 | 11 | 3.78 | 0.165 | 0.28 | 0.03 | 0.68 | 0.21 | 8 | 0.3 |
| 99H-313 | 373003.62 | 6081431.03 | 1 | 11 | 27.0 | 43 | 14 | 856 | 53 | 0.60 | 16 | 1.50 | 0.177 | 0.19 | 0.05 | 1.23 | 0.41 | 4 | 0.2 |
| 99H-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1 | 5 | 14.0 | 31 | 6 | 205 | 25 | 0.25 | 7 | 0.44 | 0.129 | 0.08 | 0.02 | 0.51 | 0.24 | 2 | 0.1 |
| 99H-314-2 Field Duplicate | 380441.27 | 6077362.52 | 1 | 5 | 11.0 | 45 | 7 | 309 | 21 | 0.25 | 5 | 0.51 | 0.137 | 0.07 | 0.02 | 0.38 | 0.23 | 2 | 0.1 |
| 99H-315 | 379424.91 | 6076667.36 | 1 | 20 | 7.0 | 32 | 15 | 178 | 73 | 0.25 | 25 | 4.93 | 0.084 | 0.44 | 0.08 | 1.73 | 0.40 | 10 | 0.2 |
| 99H-316 | 378083.67 | 6075976.30 | 1 | 4 | 8.0 | 18 | 2 | 28 | 42 | 0.25 | 4 | 2.75 | 0.059 | 0.27 | 0.01 | 0.24 | 0.08 | 2 | 0.2 |
| 99H-317 | 378975.05 | 6075002.82 | 1 | 3 | 2.5 | 18 | 2 | 88 | 25 | 0.25 | 2 | 1.42 | 0.032 | 0.10 | 0.01 | 0.39 | 0.06 | 2 | 0.1 |
| 99H-318 | 374081.75 | 6076384.00 | 1 | 8 | 21.0 | 37 | 9 | 91 | 32 | 0.70 | 9 | 1.30 | 0.125 | 0.13 | 0.03 | 0.70 | 0.26 | 7 | 0.2 |
| 99H-319 | 377992.28 | 6071532.08 | 3 | 7 | 16.0 | 19 | 5 | 91 | 35 | 0.70 | 8 | 0.91 | 0.093 | 0.10 | 0.04 | 0.79 | 0.25 | 2 | 0.2 |
| 99H-320 | 378032.77 | 6073502.62 | 1 | 9 | 8.0 | 23 | 6 | 51 | 73 | 0.25 | 18 | 3.34 | 0.078 | 0.32 | 0.10 | 1.82 | 0.48 | 6 | 0.2 |
| 99H-321 | 376343.39 | 6073660.05 | 1 | 3 | 2.5 | 20 | 3 | 328 | 47 | 0.25 | 3 | 2.83 | 0.103 | 0.24 | 0.02 | 0.38 | 0.10 | 2 | 0.3 |
| 99H-322 | 376788.52 | 6076148.06 | 1 | 7 | 28.0 | 36 | 7 | 330 | 42 | 0.60 | 9 | 2.08 | 0.081 | 0.18 | 0.03 | 0.60 | 0.26 | 3 | 0.1 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-323 | 374135.50 | 6077562.68 | 1 | 8 | 7.0 | 29 | 6 | 458 | 87 | 0.25 | 7 | 4.17 | 0.096 | 0.27 | 0.03 | 0.63 | 0.13 | 2 | 0.2 |
| 99H-324 Analytical Duplicate | 371909.21 | 6077077.66 | 1 | 4 | 12.0 | 12 | 3 | 68 | 21 | 0.25 | 5 | 0.53 | 0.099 | 0.07 | 0.02 | 0.36 | 0.15 | 2 | 0.1 |
| 99H-324 Analytical Duplicate | 371909.21 | 6077077.66 | 1 | 4 | 11.0 | 14 | 3 | 67 | 21 | 0.25 | 5 | 0.52 | 0.099 | 0.07 | 0.02 | 0.35 | 0.15 | 2 | 0.1 |
| 99H-326 | 367010.80 | 6076322.95 | 1 | 22 | 12.0 | 67 | 28 | 223 | 124 | 0.25 | 52 | 2.96 | 0.067 | 0.84 | 0.15 | 3.84 | 0.86 | 18 | 0.1 |
| 99H-327 | 365544.89 | 6075097.76 | 1 | 16 | 12.0 | 34 | 13 | 356 | 75 | 0.50 | 25 | 4.01 | 0.082 | 0.44 | 0.08 | 1.72 | 0.46 | 6 | 0.2 |
| 99H-328 | 366630.37 | 6073449.41 | 1 | 19 | 19.0 | 36 | 16 | 398 | 57 | 0.50 | 23 | 3.34 | 0.096 | 0.40 | 0.06 | 1.50 | 0.44 | 15 | 0.2 |
| 99H-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1 | 10 | 22.0 | 44 | 12 | 296 | 58 | 0.60 | 21 | 2.45 | 0.076 | 0.40 | 0.07 | 1.53 | 0.49 | 4 | 0.1 |
| 99H-329-2 Field Duplicate | 373524.62 | 6072776.30 | 1 | 6 | 23.0 | 25 | 4 | 35 | 29 | 1.20 | 9 | 0.56 | 0.065 | 0.07 | 0.03 | 0.64 | 0.21 | 2 | 0.1 |
| 99H-330 | 373090.65 | 6073609.38 | 1 | 7 | 14.0 | 29 | 3 | 522 | 59 | 0.25 | 4 | 4.03 | 0.112 | 0.30 | 0.01 | 0.27 | 0.11 | 2 | 0.3 |
| 99H-331 | 372325.83 | 6073335.34 | 1 | 10 | 29.0 | 50 | 7 | 185 | 33 | 1.10 | 13 | 1.48 | 0.083 | 0.17 | 0.04 | 0.79 | 0.25 | 3 | 0.1 |
| 99H-332 | 371343.79 | 6071847.26 | 1 | 7 | 22.0 | 34 | 7 | 168 | 37 | 0.90 | 11 | 2.42 | 0.077 | 0.22 | 0.03 | 0.63 | 0.21 | 2 | 0.2 |
| 99H-333 | 356400.44 | 6074585.89 | 1 | 7 | 28.0 | 38 | 9 | 226 | 28 | 0.70 | 7 | 1.37 | 0.092 | 0.13 | 0.03 | 0.57 | 0.27 | 2 | 0.2 |
| 99H-334 | 353630.41 | 6074080.73 | 1 | 7 | 23.0 | 25 | 5 | 194 | 35 | 0.60 | 8 | 2.56 | 0.075 | 0.21 | 0.03 | 0.67 | 0.25 | 2 | 0.2 |
| 99H-335 | 354026.13 | 6072263.97 | 1 | 15 | 22.0 | 51 | 15 | 478 | 74 | 0.90 | 35 | 3.16 | 0.081 | 0.51 | 0.12 | 2.47 | 0.64 | 8 | 0.1 |
| 99H-336 | 356175.52 | 6073162.11 | 1 | 16 | 15.0 | 35 | 21 | 272 | 69 | 0.25 | 29 | 3.13 | 0.093 | 0.44 | 0.09 | 2.03 | 0.55 | 14 | 0.2 |
| 99H-337 | 358516.43 | 6071531.39 | 1 | 8 | 24.0 | 36 | 6 | 132 | 38 | 0.60 | 11 | 1.39 | 0.073 | 0.17 | 0.04 | 0.74 | 0.26 | 3 | 0.1 |
| 99H-338 | 358097.38 | 6073183.12 | 1 | 4 | 20.0 | 29 | 4 | 795 | 58 | 0.60 | 7 | 3.36 | 0.085 | 0.28 | 0.04 | 0.63 | 0.23 | 2 | 0.2 |
| 99H-339 | 358101.16 | 6077722.60 | 1 | 9 | 25.0 | 34 | 10 | 378 | 41 | 0.50 | 15 | 1.77 | 0.104 | 0.23 | 0.06 | 0.98 | 0.37 | 4 | 0.1 |
| 99H-340 Analytical Duplicate | 360792.23 | 6079576.49 | 1 | 11 | 19.0 | 28 | 16 | 135 | 46 | 0.25 | 18 | 1.40 | 0.111 | 0.22 | 0.06 | 1.31 | 0.37 | 21 | 0.2 |
| 99H-340 Analytical Duplicate | 360792.23 | 6079576.49 | 1 | 11 | 19.0 | 27 | 18 | 136 | 48 | 0.25 | 18 | 1.42 | 0.116 | 0.23 | 0.06 | 1.33 | 0.38 | 21 | 0.2 |
| 99H-341 | 363366.15 | 6079087.77 | 1 | 4 | 14.0 | 27 | 5 | 20 | 19 | 0.25 | 5 | 0.42 | 0.055 | 0.06 | 0.02 | 0.33 | 0.17 | 2 | 0.1 |
| 99H-342 | 361709.41 | 6079470.25 | 1 | 5 | 15.0 | 36 | 6 | 45 | 12 | 0.60 | 5 | 0.32 | 0.076 | 0.05 | 0.02 | 0.31 | 0.17 | 2 | 0.1 |
| 99H-343 | 365228.31 | 6078367.51 | 1 | 12 | 28.0 | 36 | 10 | 327 | 51 | 0.25 | 18 | 2.98 | 0.090 | 0.31 | 0.06 | 1.20 | 0.39 | 4 | 0.2 |
| 99H-344 | 364266.45 | 6076224.84 | 1 | 5 | 14.0 | 29 | 6 | 231 | 14 | 0.25 | 3 | 0.53 | 0.098 | 0.06 | 0.01 | 0.25 | 0.15 | 2 | 0.2 |
| 99H-345 | 362453.17 | 6075416.23 | 1 | 6 | 23.0 | 32 | 10 | 57 | 26 | 0.25 | 11 | 0.57 | 0.097 | 0.10 | 0.04 | 0.76 | 0.28 | 4 | 0.1 |
| 99H-346 | 363508.62 | 6077282.57 | 1 | 6 | 15.0 | 19 | 6 | 24 | 22 | 0.60 | 7 | 0.42 | 0.072 | 0.09 | 0.03 | 0.51 | 0.18 | 2 | 0.2 |
| 99H-347 | 390123.06 | 6073013.81 | 1 | 5 | 20.0 | 36 | 4 | 137 | 81 | 0.25 | 9 | 2.55 | 0.070 | 0.22 | 0.03 | 0.53 | 0.19 | 2 | 0.1 |
| 99H-348 | 386609.32 | 6076034.47 | 1 | 7 | 19.0 | 23 | 9 | 464 | 36 | 0.25 | 9 | 2.41 | 0.100 | 0.27 | 0.03 | 0.67 | 0.25 | 2 | 0.2 |
| 99H-349 | 394290.85 | 6073197.89 | 1 | 8 | 21.0 | 39 | 12 | 232 | 39 | 0.70 | 16 | 1.61 | 0.151 | 0.26 | 0.06 | 1.14 | 0.42 | 10 | 0.2 |
| 99H-350 | 381237.22 | 6069551.39 | 1 | 6 | 19.0 | 25 | 7 | 123 | 25 | 0.25 | 9 | 1.37 | 0.076 | 0.14 | 0.03 | 0.64 | 0.22 | 2 | 0.1 |
| 99H-351 | 377332.39 | 6064774.37 | 1 | 7 | 20.0 | 23 | 11 | 60 | 40 | 0.50 | 13 | 1.86 | 0.132 | 0.19 | 0.04 | 0.80 | 0.25 | 8 | 0.2 |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-1 | 65 | -2.0 | 13.7 |
| 99H-2 | 84 | -2.0 | 16.8 |
| 99H-3 | 94 | -2.1 | 23.5 |
| 99H-4 | 105 | -1.9 | 15.6 |
| 99H-5 | 119 | 6.2 | 15.9 |
| 99H-6-1 Analytical Duplicate | 80 | -2.0 | 15.6 |
| 99H-6-2 Analytical Duplicate | | | |
| 99H-7 | 139 | 4.2 | 31.0 |
| 99H-8 | 102 | -1.1 | 17.9 |
| 99H-9 | 61 | 0.0 | 6.6 |
| 99H-10 | 94 | 7.0 | 12.9 |
| 99H-11 | 128 | 5.7 | 21.4 |
| 99H-12 | 146 | 14.9 | 30.0 |
| 99H-13 | 121 | -1.8 | 33.7 |
| 99H-14 | 67 | -2.0 | 20.3 |
| 99H-15 | 81 | 21.4 | 3.1 |
| 99H-16 | 143 | 21.9 | 14.3 |
| 99H-17 | 112 | 11.1 | 15.1 |
| 99H-18 | 181 | 35.9 | 18.6 |
| 99H-19 | 127 | 21.4 | 10.9 |
| 99H-20 | 65 | -1.9 | 16.5 |
| 99H-21-1 Field Duplicate | 86 | -0.5 | 19.4 |
| 99H-21-2 Field Duplicate | 135 | 30.3 | 7.0 |
| 99H-22 | 374 | 7.7 | 19.7 |
| 99H-23 | 250 | 16.5 | 6.9 |
| 99H-24 | 226 | 4.8 | 20.4 |
| 99H-25 | 144 | 37.7 | 6.6 |
| 99H-26 | 129 | 7.5 | 14.9 |
| 99H-27 | 76 | -2.0 | 17.4 |
| 99H-28 | 126 | 52.9 | -5.3 |
| 99H-29 | 170 | 77.3 | -5.5 |
| 99H-30 | 203 | 27.4 | 12.0 |
| 99H-31 | 188 | 6.2 | 17.2 |
| 99H-32 | 217 | 28.1 | 3.0 |
| 99H-33 | 70 | -1.8 | 14.6 |
| 99H-34 | 138 | 5.2 | 14.3 |
| 99H-35 | 147 | 35.9 | 8.4 |
| 99H-36 | 221 | 9.1 | 7.1 |
| 99H-37 | 88 | 2.5 | 16.4 |
| 99H-38 | 193 | 32.6 | 10.4 |
| 99H-39 | 137 | 13.0 | 19.4 |
| 99H-40 | 83 | -2.0 | 17.4 |
| 99H-41-1 Field Duplicate | 145 | 6.2 | 11.1 |
| 99H-41-2 Field Duplicate | 186 | 3.5 | 16.5 |
| 99H-42 | 152 | -1.0 | 44.3 |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-43 | 117 | 26.1 | 7.5 |
| 99H-44 | 88 | -1.8 | 14.0 |
| 99H-45 | 280 | 7.2 | 13.8 |
| 99H-46 | 81 | -1.5 | 11.7 |
| 99H-47 | 116 | -1.9 | 18.0 |
| 99H-48-1 Analytical Duplicate | | 9.7 | 16.8 |
| 99H-48-2 Analytical Duplicate | | | |
| 99H-49 | 149 | -1.8 | 50.7 |
| 99H-50 | 188 | 5.3 | 22.4 |
| 99H-51 | 174 | -1.9 | 31.1 |
| 99H-52 | 101 | -2.0 | 23.2 |
| 99H-53 | 178 | -1.5 | 25.0 |
| 99H-54 | 129 | 0.0 | 23.0 |
| 99H-55 | 166 | 36.8 | 3.8 |
| 99H-56 | 165 | 36.8 | 14.7 |
| 99H-57 | 125 | -1.2 | 16.0 |
| 99H-58 | 111 | 6.2 | 42.1 |
| 99H-59 | 51 | -1.8 | 7.4 |
| 99H-60 | 51 | 22.5 | 1.9 |
| 99H-61 | 59 | -0.6 | 11.8 |
| 99H-62 | 58 | -0.9 | 6.3 |
| 99H-63 | 173 | 0.6 | 27.7 |
| 99H-64 | 151 | -1.5 | 43.0 |
| 99H-65 | 233 | 3.8 | 23.3 |
| 99H-66 | 69 | -1.9 | 13.7 |
| 99H-67 | 98 | -1.9 | 15.8 |
| 99H-68 | 155 | -1.3 | 25.3 |
| 99H-69 | 127 | -1.8 | 39.1 |
| 99H-70-1 Field Duplicate | 151 | -1.7 | 41.8 |
| 99H-70-2 Field Duplicate | 128 | -1.9 | 40.3 |
| 99H-71 | 152 | -1.9 | 38.9 |
| 99H-72 | 158 | 5.4 | 27.5 |
| 99H-73 | 126 | 1.3 | 22.4 |
| 99H-74 | 123 | 8.7 | 26.7 |
| 99H-75 | 153 | 5.9 | 26.7 |
| 99H-76-1 Analytical Duplicate | 238 | 42.6 | 2.2 |
| 99H-76-2 Analytical Duplicate | | | |
| 99H-77 | 284 | 17.9 | 31.1 |
| 99H-78 | 198 | 37.8 | 2.0 |
| 99H-79 | 179 | -1.8 | 33.8 |
| 99H-80 | 340 | 11.4 | 18.8 |
| 99H-81 | 97 | 4.1 | 15.4 |
| 99H-82-1 Field Duplicate | 87 | -1.9 | 11.6 |
| 99H-82-2 Field Duplicate | 72 | -1.9 | 12.3 |
| 99H-83 | 126 | -1.2 | 27.8 |
| 99H-84 | 83 | -1.9 | 14.4 |
| 99H-85 | 91 | -2.0 | 7.8 |
| 99H-86 | 288 | -0.7 | 25.7 |
| 99H-87 | 165 | 0.0 | 28.5 |
| 99H-88 | 140 | -1.7 | 55.1 |
| 99H-89 | 180 | 26.8 | 14.9 |

| Sample Site | Hg<br>ppb | $H^+$<br>ppb | *K*<br>mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-90 | 256 | 29.6 | 5.1 |
| 99H-91 | 195 | 21.4 | 24.4 |
| 99H-92 | 84 | -1.1 | 21.8 |
| 99H-93 | 141 | -1.9 | 53.0 |
| 99H-94 | 160 | 2.0 | 18.5 |
| 99H-95 | 103 | -1.5 | 26.3 |
| 99H-96 | 204 | 0.7 | 48.6 |
| 99H-97 | 123 | 5.9 | 18.7 |
| 99H-98 | 174 | 2.5 | 45.5 |
| 99H-99 | 321 | 10.8 | 21.2 |
| 99H-100 | 120 | 18.9 | 6.6 |
| 99H-101-1 Field Duplicate | 148 | 24.9 | 4.7 |
| 99H-101-2 Field Duplicate | 169 | 11.1 | 25.9 |
| 99H-102 | 248 | 7.7 | 20.8 |
| 99H-103 | 184 | 7.3 | 28.6 |
| 99H-104 | 246 | -1.4 | 24.1 |
| 99H-105 | 76 | -2.0 | 13.9 |
| 99H-106 | 131 | -1.9 | 38.0 |
| 99H-107 | 62 | -2.0 | 14.5 |
| 99H-108 | 146 | -1.6 | 23.4 |
| 99H-109 | 185 | -1.7 | 22.9 |
| 99H-110 | 102 | -1.4 | 45.2 |
| 99H-111 | 194 | 17.9 | 23.7 |
| 99H-112 | 154 | 4.9 | 35.7 |
| 99H-113 | 122 | 21.4 | 29.0 |
| 99H-114 | 96 | 8.9 | 11.9 |
| 99H-115 | 73 | -1.9 | 19.3 |
| 99H-116-1 Analytical Duplicate | 164 | -1.1 | 45.5 |
| 99H-116-2 Analytical Duplicate | | | |
| 99H-117 | 119 | -1.5 | 93.4 |
| 99H-118 | 178 | 2.2 | 23.6 |
| 99H-119 | 62 | -1.2 | 8.3 |
| 99H-120 | 151 | 2.2 | 39.8 |
| 99H-121 | 208 | 30.3 | 12.4 |
| 99H-122 | 190 | 31.1 | 11.9 |
| 99H-123 | 103 | 10.8 | 25.5 |
| 99H-124-1 Field Duplicate | 65 | -2.0 | 18.0 |
| 99H-124-2 Field Duplicate | 69 | -2.0 | 21.3 |
| 99H-125 | 129 | -1.1 | 21.6 |
| 99H-126 | 148 | -2.0 | 27.4 |
| 99H-127 | 124 | 8.9 | 11.5 |
| 99H-129 | 66 | -2.0 | 20.6 |
| 99H-130 | 35 | 13.4 | 6.6 |
| 99H-131 | 113 | -1.6 | 23.6 |
| 99H-132 | 51 | -1.7 | 9.5 |
| 99H-133 | 64 | -0.3 | 9.4 |
| 99H-134 | 126 | 2.0 | 17.5 |
| 99H-135 | 173 | 2.6 | 49.7 |
| 99H-136 | 195 | 1.1 | 15.3 |
| 99H-137 | 71 | -2.0 | 15.5 |
| 99H-138 | 62 | -1.8 | 9.5 |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-139 | 159 | -1.6 | 23.6 |
| 99H-140 | 95 | -2.0 | 20.6 |
| 99H-141-1 Field Duplicate | 162 | -0.8 | 17.3 |
| 99H-141-2 Field Duplicate | 127 | 15.7 | 17.1 |
| 99H-142 | 157 | 5.5 | 24.6 |
| 99H-143 | 111 | -0.9 | 16.9 |
| 99H-144-1 Analytical Duplicate | 135 | -1.8 | 53.9 |
| 99H-144-2 Analytical Duplicate | | | |
| 99H-145 | 102 | -2.0 | 23.3 |
| 99H-146 | 56 | -0.9 | 7.5 |
| 99H-147 | 127 | 3.5 | 19.8 |
| 99H-148 | 112 | 7.5 | 11.0 |
| 99H-149 | 121 | 3.7 | 26.8 |
| 99H-150 | 93 | -1.7 | 10.9 |
| 99H-151 | 94 | -2.0 | 20.2 |
| 99H-152 | 81 | -2.0 | 11.0 |
| 99H-153 | 81 | -1.9 | 12.9 |
| 99H-154 | 144 | 1.3 | 13.2 |
| 99H-155 | 132 | 11.1 | 12.7 |
| 99H-156 | 158 | 3.5 | 9.8 |
| 99H-157 | 93 | -2.0 | 23.3 |
| 99H-201 | 420 | -1.5 | 39.2 |
| 99H-202 | 188 | 7.7 | 38.4 |
| 99H-203 | 156 | -1.7 | 17.8 |
| 99H-204 | 219 | 0.1 | 10.2 |
| 99H-205 | 253 | 1.8 | 17.4 |
| 99H-206 | 245 | 1.3 | 18.6 |
| 99H-207 | 237 | 3.3 | 25.8 |
| 99H-208 | 139 | 10.8 | 15.5 |
| 99H-209 | 216 | 0.3 | 17.6 |
| 99H-210 | 252 | 10.3 | 20.4 |
| 99H-211 | 234 | 42.6 | 5.7 |
| 99H-212 | 204 | -0.6 | 15.9 |
| 99H-213 | 258 | -1.2 | 33.2 |
| 99H-214 | 82 | -2.0 | 17.9 |
| 99H-215 | 204 | 9.7 | 5.7 |
| 99H-216 | 161 | 1.1 | 18.1 |
| 99H-217 | 149 | -1.9 | 24.1 |
| 99H-218 | 167 | -1.8 | 23.2 |
| 99H-219-1 Field Duplicate | 126 | -1.4 | 32.3 |
| 99H-219-2 Field Duplicate | 122 | -1.6 | 24.2 |
| 99H-220 | 186 | 28.2 | 32.2 |
| 99H-221 | 146 | 30.4 | 11.4 |
| 99H-222 | 88 | -1.9 | 19.3 |
| 99H-223 | 138 | 18.9 | 16.2 |
| 99H-224 | 185 | 29.0 | 12.8 |
| 99H-225-1 Field Duplicate | 86 | -1.8 | 14.2 |
| 99H-225-2 Field Duplicate | 72 | -1.9 | 24.0 |
| 99H-226 | 215 | 12.2 | 42.4 |
| 99H-227 | 186 | 7.0 | 44.4 |
| 99H-228-1 Analytical Duplicate | | -0.7 | 47.2 |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-228-2 Analytical Duplicate | | | |
| 99H-229 | 146 | -1.9 | 25.9 |
| 99H-230-1 Field Duplicate | 295 | 14.3 | 39.6 |
| 99H-230-2 Field Duplicate | 303 | 29.0 | 9.4 |
| 99H-231 | 108 | 4.1 | 6.4 |
| 99H-232 | 132 | 12.5 | 5.2 |
| 99H-233 | 177 | 11.9 | 17.8 |
| 99H-234 | 161 | 16.7 | 10.1 |
| 99H-235 | 201 | 16.7 | 13.5 |
| 99H-236 | 185 | 17.1 | 14.1 |
| 99H-237 | 216 | 25.6 | 25.6 |
| 99H-238 | 164 | 41.7 | 25.3 |
| 99H-239 | 129 | 26.2 | 18.6 |
| 99H-240 | 182 | -1.9 | 33.0 |
| 99H-241-1 Analytical Duplicate | 144 | 19.9 | 13.1 |
| 99H-241-2 Analytical Duplicate | | | |
| 99H-242 | 182 | 28.2 | 10.2 |
| 99H-243 | 217 | 15.4 | 18.6 |
| 99H-244 | 120 | -0.6 | 40.0 |
| 99H-245 | 92 | 28.2 | 16.7 |
| 99H-246 | 106 | 13.2 | 24.1 |
| 99H-247 | 152 | 31.9 | 15.7 |
| 99H-248-1 Field Duplicate | 211 | 0.8 | 41.5 |
| 99H-248-2 Field Duplicate | 217 | 1.3 | 45.7 |
| 99H-249 | 210 | 56.9 | 7.3 |
| 99H-250 | 160 | -0.9 | 36.9 |
| 99H-251 | 217 | 47.0 | 6.0 |
| 99H-252 | 115 | 9.0 | 28.0 |
| 99H-253 | 83 | -0.7 | 38.2 |
| 99H-254 | 205 | 0.6 | 16.1 |
| 99H-255 | 156 | 44.8 | 6.9 |
| 99H-256 | 102 | 49.3 | 16.7 |
| 99H-257 | 244 | 18.9 | 31.2 |
| 99H-258 | 148 | 15.4 | 19.8 |
| 99H-259 | 126 | 19.9 | 11.0 |
| 99H-260 | 189 | 10.6 | 63.5 |
| 99H-261 | 78 | -1.9 | 24.6 |
| 99H-262 | 96 | -1.9 | 27.7 |
| 99H-263 | 112 | -1.7 | 18.5 |
| 99H-264 | 127 | -1.6 | 25.8 |
| 99H-265 | 140 | 13.5 | 30.4 |
| 99H-266 | 195 | -1.3 | 32.2 |
| 99H-267 | 122 | 32.7 | 28.2 |
| 99H-268 | 168 | 5.6 | 29.9 |
| 99H-269 | 138 | 33.5 | 35.9 |
| 99H-270 | 92 | -1.7 | 18.6 |
| 99H-271 | 144 | 1.2 | 28.7 |
| 99H-272 | 157 | 2.8 | 29.1 |
| 99H-273 | 152 | 14.6 | 21.8 |
| 99H-274 | 166 | -1.8 | 48.2 |
| 99H-275 | 162 | -2.0 | 37.9 |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-276-1 Field Duplicate | 191 | 7.0 | 41.3 |
| 99H-276-2 Field Duplicate | 211 | 2.0 | 33.9 |
| 99H-277 | 149 | -2.0 | 37.8 |
| 99H-278 | 67 | -2.1 | 7.7 |
| 99H-279 | 158 | 4.0 | 26.0 |
| 99H-280 | 112 | -2.0 | 35.3 |
| 99H-281 | 152 | -1.8 | 22.7 |
| 99H-282 | 150 | -0.6 | 19.7 |
| 99H-283 | 89 | -1.5 | 11.4 |
| 99H-284 | 79 | -1.9 | 8.2 |
| 99H-285 | 123 | -1.8 | 23.0 |
| 99H-286 | 68 | -2.1 | 18.4 |
| 99H-287 | 121 | 10.2 | 24.9 |
| 99H-288 | 71 | -2.1 | 19.5 |
| 99H-289 | 86 | -1.7 | 21.2 |
| 99H-290 | 93 | -2.1 | 26.9 |
| 99H-291 | 120 | -1.5 | 16.0 |
| 99H-292-1 Field Duplicate | 175 | 35.9 | 9.4 |
| 99H-292-2 Field Duplicate | 192 | 41.5 | 8.9 |
| 99H-293-1 Analytical Duplicate | 134 | -0.3 | 33.8 |
| 99H-293-2 Analytical Duplicate | | | |
| 99H-294 | 215 | 9.5 | 19.3 |
| 99H-295 | 153 | -0.1 | 44.5 |
| 99H-296 | 123 | -0.6 | 31.0 |
| 99H-297 | 100 | -1.5 | 41.7 |
| 99H-298 | 122 | -2.0 | 51.5 |
| 99H-299 | 302 | 11.2 | 32.6 |
| 99H-300 | 185 | 2.4 | 18.5 |
| 99H-301 | 190 | 56.9 | -2.1 |
| 99H-302 | 64 | -2.0 | 20.5 |
| 99H-303 | 141 | 18.4 | 26.9 |
| 99H-304 | 102 | -0.3 | 26.8 |
| 99H-305-1 Field Duplicate | 232 | -0.1 | 27.1 |
| 99H-305-2 Field Duplicate | 74 | -0.8 | 29.4 |
| 99H-306 | 170 | 5.4 | 57.1 |
| 99H-307 | 297 | 5.4 | 51.4 |
| 99H-308 | 133 | 54.2 | 6.0 |
| 99H-310 | 134 | 1.1 | 39.3 |
| 99H-311 | 114 | 0.1 | 35.0 |
| 99H-312 | 121 | -1.9 | 24.5 |
| 99H-313 | 275 | 0.4 | 29.0 |
| 99H-314-1 Field Duplicate | 215 | 25.5 | 36.2 |
| 99H-314-2 Field Duplicate | 215 | 13.9 | 37.6 |
| 99H-315 | 96 | -2.0 | 20.0 |
| 99H-316 | 87 | -1.6 | 24.1 |
| 99H-317 | 119 | -1.6 | 24.2 |
| 99H-318 | 125 | 4.6 | 31.2 |
| 99H-319 | 128 | 15.8 | 16.5 |
| 99H-320 | 83 | -1.8 | 10.5 |
| 99H-321 | 99 | -1.7 | 23.0 |
| 99H-322 | 150 | -1.1 | 46.4 |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-323 | 89 | -1.9 | 22.7 |
| 99H-324 Analytical Duplicate | 175 | 14.6 | 16.8 |
| 99H-324 Analytical Duplicate | | | |
| 99H-326 | 66 | -1.8 | 22.3 |
| 99H-327 | 95 | -2.0 | 27.3 |
| 99H-328 | 167 | -2.0 | 25.4 |
| 99H-329-1 Field Duplicate | 68 | -1.8 | 42.1 |
| 99H-329-2 Field Duplicate | 101 | 36.0 | 6.3 |
| 99H-330 | 46 | -1.9 | 31.7 |
| 99H-331 | 73 | 1.4 | 22.1 |
| 99H-332 | 22 | -1.6 | 29.1 |
| 99H-333 | 24 | 1.2 | 31.1 |
| 99H-334 | 14 | -1.8 | 21.1 |
| 99H-335 | 45 | -1.9 | 21.5 |
| 99H-336 | 16 | -1.9 | 30.8 |
| 99H-337 | 79 | 0.8 | 21.6 |
| 99H-338 | 64 | -1.9 | 56.5 |
| 99H-339 | 83 | -1.3 | 35.7 |
| 99H-340 Analytical Duplicate | 115 | 1.7 | 26.9 |
| 99H-340 Analytical Duplicate | | | |
| 99H-341 | 129 | 42.7 | 9.3 |
| 99H-342 | 137 | 28.9 | 13.1 |
| 99H-343 | 77 | -1.9 | 23.8 |
| 99H-344 | 203 | 14.2 | 27.2 |
| 99H-345 | 163 | 17.5 | 21.0 |
| 99H-346 | 147 | 33.5 | 11.5 |
| 99H-347 | 110 | -1.8 | 30.0 |
| 99H-348 | 177 | -1.2 | 62.6 |
| 99H-349 | 131 | 0.8 | 53.8 |
| 99H-350 | 147 | 2.9 | 24.9 |
| 99H-351 | 92 | -0.1 | 29.8 |

## Appendix H-2

# Duplicate Pair ICP-AES, $H^+$, *K* and Hg Analyses.

| Sample Site | UTM Easting | UTM Northing | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ni ppm | Mn ppm | Sr ppm | Cd ppm | V ppm | Ca % | P % | Mg % | Ti % | Al % | K % | Y ppm | S % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99H-6-1 Analytical Duplicate | 385118.63 | 6064597.68 | 1 | 18 | 2.5 | 12 | 7 | 584 | 72 | 0.60 | 12 | 5.59 | 0.106 | 0.36 | 0.07 | 0.85 | 0.19 | 4 | 0.1 |
| 99H-6-2 Analytical Duplicate | 385118.63 | 6064597.68 | 1 | 18 | 2.5 | 11 | 8 | 590 | 70 | 0.60 | 12 | 5.65 | 0.108 | 0.35 | 0.04 | 0.86 | 0.18 | 6 | 0.2 |
| 99H-21-1 Field Duplicate | 384823.47 | 6085301.09 | 1 | 6 | 2.5 | 32 | 4 | 491 | 59 | 0.25 | 7 | 3.86 | 0.108 | 0.20 | 0.03 | 0.59 | 0.17 | 2 | 0.2 |
| 99H-21-2 Field Duplicate | 384823.47 | 6085301.09 | 1 | 9 | 20.0 | 21 | 7 | 104 | 30 | 0.80 | 12 | 0.52 | 0.085 | 0.09 | 0.05 | 0.89 | 0.26 | 3 | 0.1 |
| 99H-41-1 Field Duplicate | 391167.56 | 6086589.75 | 1 | 13 | 15.0 | 45 | 16 | 169 | 58 | 0.25 | 30 | 1.12 | 0.101 | 0.39 | 0.10 | 2.17 | 0.67 | 6 | 0.1 |
| 99H-41-2 Field Duplicate | 391167.56 | 6086589.75 | 1 | 8 | 11.0 | 30 | 11 | 283 | 37 | 0.25 | 20 | 1.50 | 0.116 | 0.27 | 0.06 | 1.24 | 0.34 | 4 | 0.1 |
| 99H-48-1 Analytical Duplicate | 383904.64 | 6082648.05 | 1 | 6 | 16.0 | 37 | 11 | 106 | 38 | 0.25 | 16 | 1.10 | 0.113 | 0.18 | 0.05 | 1.14 | 0.31 | 8 | 0.1 |
| 99H-48-2 Analytical Duplicate | 383904.64 | 6082648.05 | 1 | 9 | 16.0 | 36 | 10 | 103 | 36 | 0.25 | 14 | 1.09 | 0.106 | 0.17 | 0.05 | 1.12 | 0.31 | 8 | 0.1 |
| 99H-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1 | 18 | 16.0 | 16 | 13 | 362 | 42 | 0.60 | 13 | 2.41 | 0.124 | 0.25 | 0.04 | 0.83 | 0.32 | 4 | 0.2 |
| 99H-70-2 Field Duplicate | 377176.25 | 6084802.55 | 1 | 23 | 15.5 | 15 | 18 | 387 | 50 | 0.43 | 16 | 2.42 | 0.118 | 0.29 | 0.05 | 1.14 | 0.39 | 6 | 0.2 |
| 99H-76-1 Analytical Duplicate | 366875.73 | 6082011.38 | 1 | 3 | 9.0 | 11 | 4 | 87 | 26 | 0.50 | 7 | 0.63 | 0.053 | 0.06 | 0.02 | 0.41 | 0.13 | 2 | 0.1 |
| 99H-76-2 Analytical Duplicate | 366875.73 | 6082011.38 | 1 | 3 | 10.0 | 12 | 4 | 93 | 23 | 0.50 | 7 | 0.68 | 0.055 | 0.06 | 0.02 | 0.43 | 0.13 | 2 | 0.1 |
| 99H-82-1 Field Duplicate | 372516.50 | 6088851.06 | 1 | 7 | 2.5 | 5 | 4 | 80 | 67 | 0.25 | 9 | 5.35 | 0.085 | 0.31 | 0.03 | 0.66 | 0.15 | 2 | 0.2 |
| 99H-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1 | 6 | 2.5 | 6 | 4 | 72 | 66 | 0.25 | 9 | 4.73 | 0.077 | 0.31 | 0.04 | 0.78 | 0.20 | 3 | 0.2 |
| 99H-101-1 Field Duplicate | 364004.46 | 6090265.61 | 1 | 11 | 37.0 | 18 | 16 | 94 | 59 | 0.70 | 19 | 0.53 | 0.092 | 0.16 | 0.09 | 1.72 | 0.53 | 6 | 0.1 |
| 99H-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1 | 6 | 21.0 | 50 | 9 | 514 | 26 | 0.50 | 9 | 0.68 | 0.097 | 0.09 | 0.04 | 0.67 | 0.29 | 2 | 0.1 |
| 99H-116-1 Analytical Duplicate | 376836.61 | 6082259.30 | 1 | 7 | 13.0 | 15 | 8 | 270 | 33 | 0.25 | 6 | 1.90 | 0.112 | 0.21 | 0.02 | 0.48 | 0.28 | 2 | 0.2 |
| 99H-116-2 Analytical Duplicate | 376836.61 | 6082259.30 | 1 | 7 | 13.0 | 16 | 8 | 272 | 31 | 0.25 | 6 | 1.92 | 0.111 | 0.21 | 0.02 | 0.49 | 0.28 | 2 | 0.2 |
| 99H-124-1 Field Duplicate | 362147.22 | 6090729.66 | 1 | 9 | 2.5 | 9 | 5 | 81 | 140 | 0.25 | 6 | 5.29 | 0.070 | 0.40 | 0.03 | 0.57 | 0.14 | 2 | 0.2 |
| 99H-124-2 Field Duplicate | 362147.22 | 6090729.66 | 1 | 5 | 2.5 | 3 | 2 | 67 | 130 | 0.25 | 2 | 4.93 | 0.063 | 0.39 | 0.01 | 0.28 | 0.06 | 2 | 0.2 |
| 99H-141-1 Field Duplicate | 362142.99 | 6084076.48 | 1 | 14 | 36.0 | 83 | 19 | 720 | 65 | 1.60 | 31 | 1.76 | 0.119 | 0.31 | 0.12 | 2.31 | 0.73 | 6 | 0.1 |
| 99H-141-2 Field Duplicate | 362142.99 | 6084076.48 | 1 | 5 | 20.0 | 21 | 8 | 104 | 31 | 0.50 | 13 | 0.64 | 0.102 | 0.12 | 0.05 | 0.99 | 0.36 | 2 | 0.1 |
| 99H-144-1 Analytical Duplicate | 365789.89 | 6083994.83 | 1 | 14 | 21.0 | 29 | 10 | 132 | 71 | 0.25 | 14 | 3.38 | 0.084 | 0.32 | 0.04 | 0.88 | 0.31 | 9 | 0.2 |
| 99H-144-2 Analytical Duplicate | 365789.89 | 6083994.83 | 1 | 14 | 22.0 | 29 | 10 | 134 | 71 | 0.25 | 14 | 3.37 | 0.086 | 0.33 | 0.04 | 0.88 | 0.31 | 9 | 0.2 |
| 99H-219-1 Field Duplicate | 367825.77 | 6068425.98 | 1 | 12 | 18.0 | 38 | 17 | 376 | 51 | 0.50 | 27 | 1.97 | 0.111 | 0.44 | 0.08 | 2.12 | 0.58 | 19 | 0.1 |
| 99H-219-2 Field Duplicate | 367825.77 | 6068425.98 | 1 | 13 | 20.0 | 42 | 20 | 405 | 57 | 0.25 | 35 | 1.89 | 0.111 | 0.52 | 0.11 | 2.63 | 0.71 | 20 | 0.1 |
| 99H-225-1 Field Duplicate | 350702.40 | 6083206.61 | 1 | 36 | 2.5 | 32 | 18 | 332 | 83 | 0.25 | 20 | 5.26 | 0.095 | 0.40 | 0.07 | 1.48 | 0.35 | 7 | 0.1 |
| 99H-225-2 Field Duplicate | 350702.40 | 6083206.61 | 1 | 2 | 2.5 | 52 | 2 | 30 | 45 | 0.25 | 2 | 5.30 | 0.059 | 0.24 | 0.01 | 0.15 | 0.04 | 2 | 0.2 |
| 99H-228-1 Analytical Duplicate | 353986.25 | 6074843.74 | 1 | 14 | 19.0 | 37 | 19 | 392 | 53 | 0.25 | 21 | 1.87 | 0.113 | 0.32 | 0.07 | 1.55 | 0.47 | 23 | 0.2 |
| 99H-228-2 Analytical Duplicate | 353986.25 | 6074843.74 | 1 | 14 | 19.0 | 36 | 18 | 385 | 52 | 0.25 | 21 | 1.83 | 0.108 | 0.31 | 0.07 | 1.52 | 0.46 | 23 | 0.2 |

| Sample Site | UTM | | Mo | Cu | Pb | Zn | Ni | Mn | Sr | Cd | V | Ca | P | Mg | Ti | Al | K | Y | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % | ppm | % |
| 99H-230-1 Field Duplicate | 355405.44 | 6076684.24 | 1 | 9 | 18.0 | 71 | 6 | 891 | 22 | 0.25 | 4 | 0.86 | 0.136 | 0.10 | 0.02 | 0.42 | 0.20 | 2 | 0.2 |
| 99H-230-2 Field Duplicate | 355405.44 | 6076684.24 | 1 | 8 | 18.0 | 47 | 5 | 89 | 37 | 0.70 | 13 | 0.77 | 0.104 | 0.12 | 0.06 | 1.02 | 0.31 | 2 | 0.2 |
| 99H-241-1 Analytical Duplicate | 372758.61 | 6071129.61 | 1 | 8 | 23.0 | 44 | 10 | 88 | 42 | 0.25 | 13 | 0.73 | 0.079 | 0.15 | 0.06 | 1.19 | 0.40 | 3 | 0.1 |
| 99H-241-2 Analytical Duplicate | 372758.61 | 6071129.61 | 1 | 8 | 24.0 | 44 | 10 | 80 | 42 | 0.25 | 15 | 0.67 | 0.081 | 0.15 | 0.06 | 1.23 | 0.42 | 3 | 0.1 |
| 99H-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1 | 8 | 23.0 | 34 | 9 | 267 | 40 | 0.25 | 14 | 1.78 | 0.098 | 0.23 | 0.05 | 0.97 | 0.36 | 2 | 0.2 |
| 99H-248-2 Field Duplicate | 363998.87 | 6080166.06 | 1 | 9 | 22.0 | 47 | 8 | 243 | 35 | 0.25 | 10 | 1.85 | 0.101 | 0.21 | 0.04 | 0.69 | 0.28 | 2 | 0.2 |
| 99H-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1 | 7 | 18.0 | 23 | 12 | 463 | 25 | 0.25 | 9 | 0.92 | 0.097 | 0.13 | 0.04 | 0.67 | 0.27 | 2 | 0.2 |
| 99H-276-2 Field Duplicate | 385148.66 | 6077248.38 | 1 | 8 | 18.0 | 24 | 11 | 554 | 28 | 0.25 | 9 | 0.85 | 0.112 | 0.12 | 0.04 | 0.77 | 0.29 | 2 | 0.2 |
| 99H-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1 | 4 | 16.0 | 19 | 6 | 36 | 17 | 0.25 | 7 | 0.29 | 0.084 | 0.06 | 0.03 | 0.51 | 0.22 | 2 | 0.1 |
| 99H-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1 | 4 | 18.0 | 17 | 4 | 28 | 18 | 0.25 | 7 | 0.37 | 0.074 | 0.06 | 0.03 | 0.51 | 0.18 | 2 | 0.1 |
| 99H-293-1 Analytical Duplicate | 373332.21 | 6078856.12 | 1 | 12 | 21.0 | 25 | 8 | 248 | 30 | 0.25 | 11 | 1.73 | 0.110 | 0.16 | 0.04 | 0.77 | 0.27 | 6 | 0.1 |
| 99H-293-2 Analytical Duplicate | 373332.21 | 6078856.12 | 1 | 12 | 21.0 | 30 | 8 | 256 | 33 | 0.50 | 13 | 1.76 | 0.111 | 0.16 | 0.04 | 0.77 | 0.27 | 4 | 0.1 |
| 99H-305-1 Field Duplicate | 373257.01 | 6080611.99 | 1 | 10 | 12.0 | 63 | 5 | 819 | 48 | 0.25 | 16 | 2.00 | 0.155 | 0.22 | 0.06 | 1.20 | 0.37 | 3 | 0.2 |
| 99H-305-2 Field Duplicate | 373257.01 | 6080611.99 | 1 | 24 | 15.0 | 43 | 10 | 171 | 114 | 0.90 | 18 | 2.05 | 0.065 | 0.34 | 0.11 | 2.54 | 0.81 | 6 | 0.1 |
| 99H-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1 | 5 | 14.0 | 31 | 6 | 205 | 25 | 0.25 | 7 | 0.44 | 0.129 | 0.08 | 0.02 | 0.51 | 0.24 | 2 | 0.1 |
| 99H-314-2 Field Duplicate | 380441.27 | 6077362.52 | 1 | 5 | 11.0 | 45 | 7 | 309 | 21 | 0.25 | 5 | 0.51 | 0.137 | 0.07 | 0.02 | 0.38 | 0.23 | 2 | 0.1 |
| 99H-324-1 Analytical Duplicate | 371909.21 | 6077077.66 | 1 | 4 | 12.0 | 12 | 3 | 68 | 21 | 0.25 | 5 | 0.53 | 0.099 | 0.07 | 0.02 | 0.36 | 0.15 | 2 | 0.1 |
| 99H-324-2 Analytical Duplicate | 371909.21 | 6077077.66 | 1 | 4 | 11.0 | 14 | 3 | 67 | 21 | 0.25 | 5 | 0.52 | 0.099 | 0.07 | 0.02 | 0.35 | 0.15 | 2 | 0.1 |
| 99H-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1 | 10 | 22.0 | 44 | 12 | 296 | 58 | 0.60 | 21 | 2.45 | 0.076 | 0.40 | 0.07 | 1.53 | 0.49 | 4 | 0.1 |
| 99H-329-2 Field Duplicate | 373524.62 | 6072776.30 | 1 | 6 | 23.0 | 25 | 4 | 35 | 29 | 1.20 | 9 | 0.56 | 0.065 | 0.07 | 0.03 | 0.64 | 0.21 | 2 | 0.1 |
| 99H-340-1 Analytical Duplicate | 360792.23 | 6079576.49 | 1 | 11 | 19.0 | 28 | 16 | 135 | 46 | 0.25 | 18 | 1.40 | 0.111 | 0.22 | 0.06 | 1.31 | 0.37 | 21 | 0.2 |
| 99H-340-2 Analytical Duplicate | 360792.23 | 6079576.49 | 1 | 11 | 19.0 | 27 | 18 | 136 | 48 | 0.25 | 18 | 1.42 | 0.116 | 0.23 | 0.06 | 1.33 | 0.38 | 21 | 0.2 |

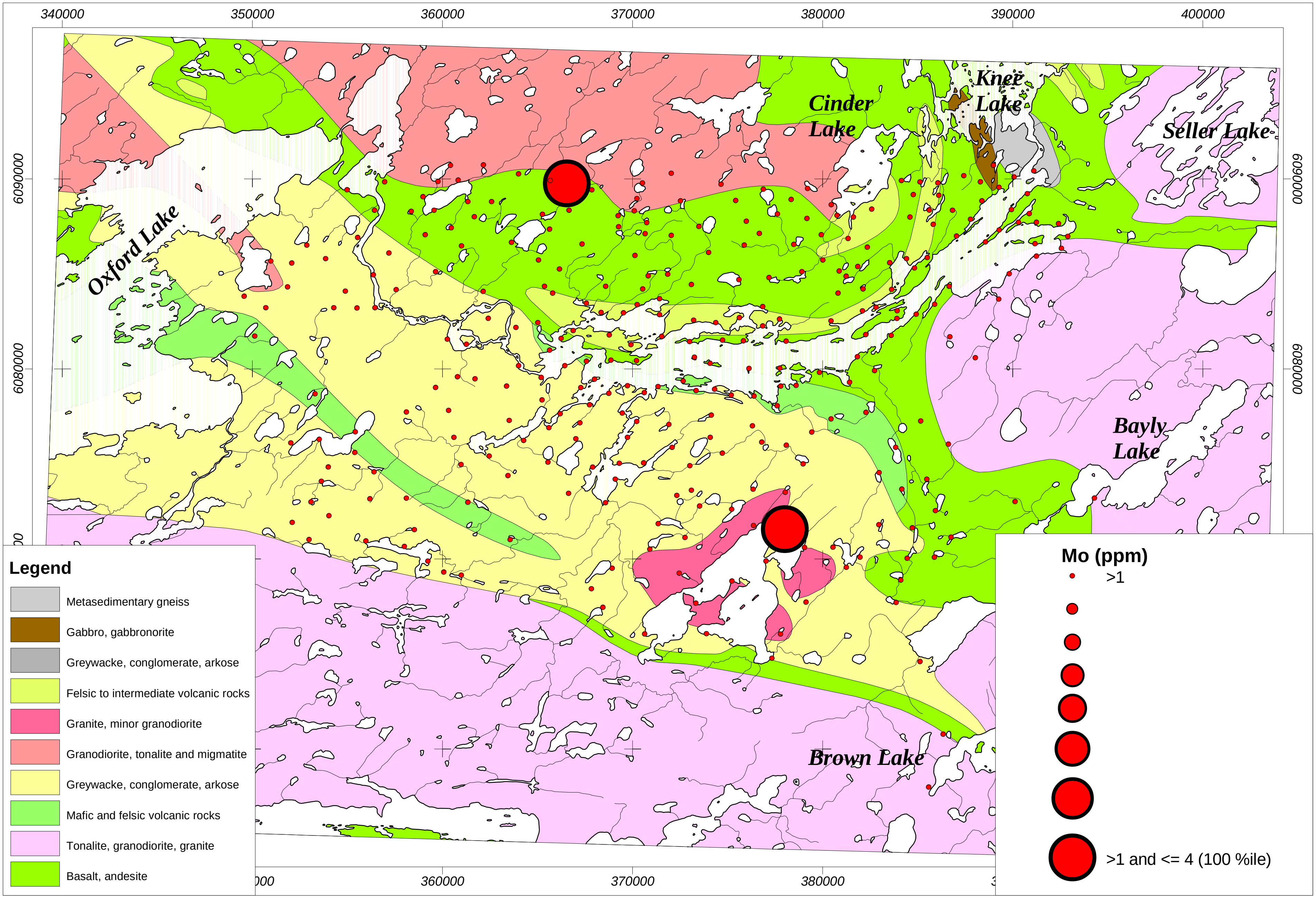
| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-6-1 Analytical Duplicate | 80 | -2.0 | 15.6 |
| 99H-6-2 Analytical Duplicate | | | |
| 99H-21-1 Field Duplicate | 86 | -0.5 | 19.4 |
| 99H-21-2 Field Duplicate | 135 | 30.3 | 7.0 |
| 99H-41-1 Field Duplicate | 145 | 6.2 | 11.1 |
| 99H-41-2 Field Duplicate | 186 | 3.5 | 16.5 |
| 99H-48-1 Analytical Duplicate | | 9.7 | 16.8 |
| 99H-48-2 Analytical Duplicate | | | |
| 99H-70-1 Field Duplicate | 151 | -1.7 | 41.8 |
| 99H-70-2 Field Duplicate | 128 | -1.9 | 40.3 |
| 99H-76-1 Analytical Duplicate | 238 | 42.6 | 2.2 |
| 99H-76-2 Analytical Duplicate | | | |
| 99H-82-1 Field Duplicate | 87 | -1.9 | 11.6 |
| 99H-82-2 Field Duplicate | 72 | -1.9 | 12.3 |
| 99H-101-1 Field Duplicate | 148 | 24.9 | 4.7 |
| 99H-101-2 Field Duplicate | 169 | 11.1 | 25.9 |
| 99H-116-1 Analytical Duplicate | 164 | -1.1 | 45.5 |
| 99H-116-2 Analytical Duplicate | | | |
| 99H-124-1 Field Duplicate | 65 | -2.0 | 18.0 |
| 99H-124-2 Field Duplicate | 69 | -2.0 | 21.3 |
| 99H-141-1 Field Duplicate | 162 | -0.8 | 17.3 |
| 99H-141-2 Field Duplicate | 127 | 15.7 | 17.1 |
| 99H-144-1 Analytical Duplicate | 135 | -1.8 | 53.9 |
| 99H-144-2 Analytical Duplicate | | | |
| 99H-219-1 Field Duplicate | 126 | -1.4 | 32.3 |
| 99H-219-2 Field Duplicate | 122 | -1.6 | 24.2 |
| 99H-225-1 Field Duplicate | 86 | -1.8 | 14.2 |
| 99H-225-2 Field Duplicate | 72 | -1.9 | 24.0 |
| 99H-228-1 Analytical Duplicate | | -0.7 | 47.2 |
| 99H-228-2 Analytical Duplicate | | | |

| Sample Site | Hg ppb | $H^+$ ppb | *K* mhos $cm^{-1}$ |
|---|---|---|---|
| 99H-230-1 Field Duplicate | 295 | 14.3 | 39.6 |
| 99H-230-2 Field Duplicate | 303 | 29.0 | 9.4 |
| 99H-241-1 Analytical Duplicate | 144 | 19.9 | 13.1 |
| 99H-241-2 Analytical Duplicate | | | |
| 99H-248-1 Field Duplicate | 211 | 0.8 | 41.5 |
| 99H-248-2 Field Duplicate | 217 | 1.3 | 45.7 |
| 99H-276-1 Field Duplicate | 191 | 7.0 | 41.3 |
| 99H-276-2 Field Duplicate | 211 | 2.0 | 33.9 |
| 99H-292-1 Field Duplicate | 175 | 35.9 | 9.4 |
| 99H-292-2 Field Duplicate | 192 | 41.5 | 8.9 |
| 99H-293-1 Analytical Duplicate | 134 | -0.3 | 33.8 |
| 99H-293-2 Analytical Duplicate | | | |
| 99H-305-1 Field Duplicate | 232 | -0.1 | 27.1 |
| 99H-305-2 Field Duplicate | 74 | -0.8 | 29.4 |
| 99H-314-1 Field Duplicate | 215 | 25.5 | 36.2 |
| 99H-314-2 Field Duplicate | 215 | 13.9 | 37.6 |
| 99H-324-1 Analytical Duplicate | 175 | 14.6 | 16.8 |
| 99H-324-2 Analytical Duplicate | | | |
| 99H-329-1 Field Duplicate | 68 | -1.8 | 42.1 |
| 99H-329-2 Field Duplicate | 101 | 36.0 | 6.3 |
| 99H-340-1 Analytical Duplicate | 115 | 1.7 | 26.9 |
| 99H-340-2 Analytical Duplicate | | | |

Appendix H-3: ICP-AES, $H^+$, *K* and Hg Percentile Bubble Plots.

| | | | | |
|---|---|---|---|---|
| **Mo** | **Cu** | **Pb** | **Zn** | **Ni** |
| **Mn** | **Sr** | **Cd** | **V** | **Ca** |
| **P** | **Mg** | **Ti** | **Al** | **K** |
| **Y** | **S** | **Hg** | **$H^+$** | ***K* (Spec. Cond.)** |

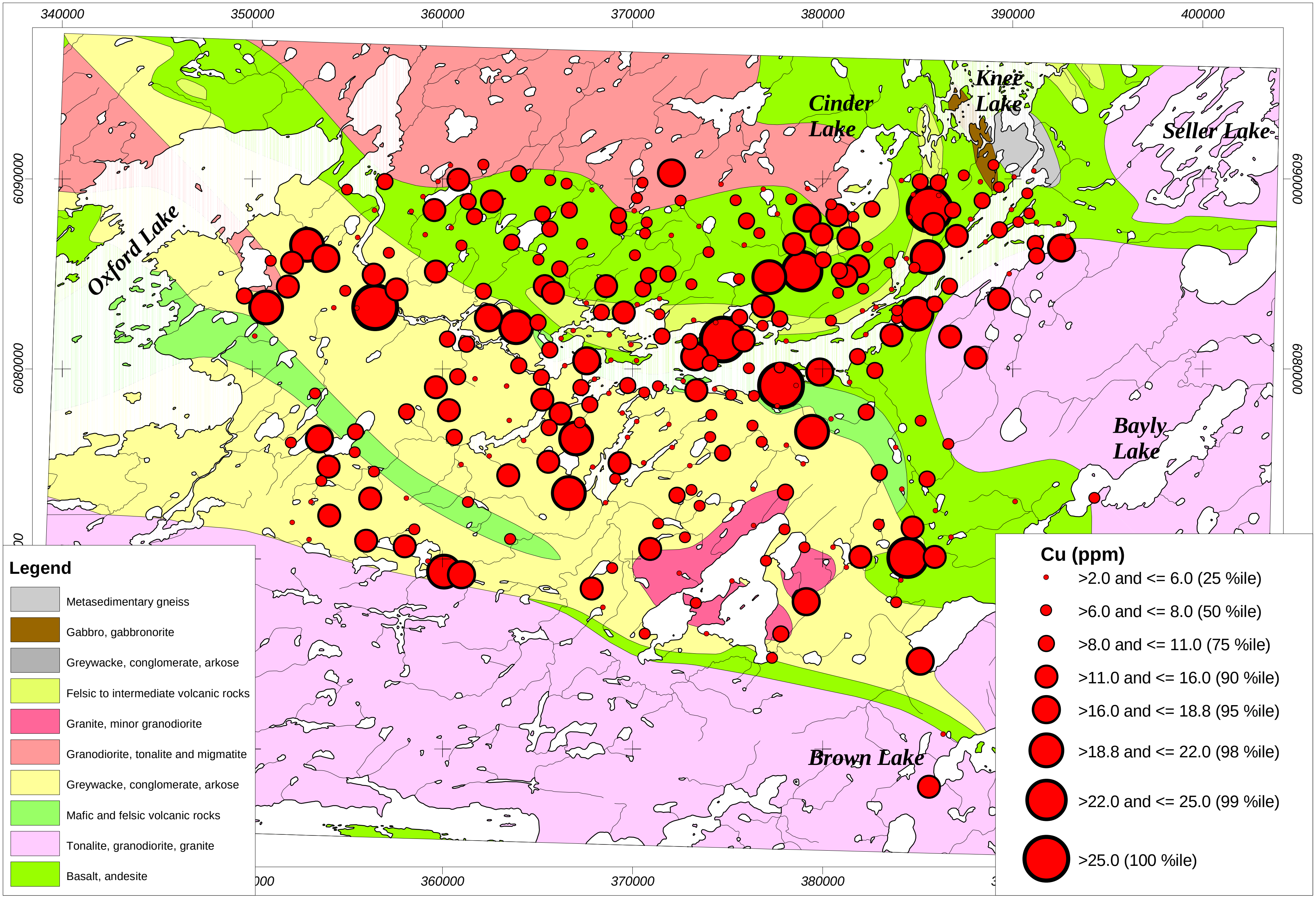
**CONTENTS**




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

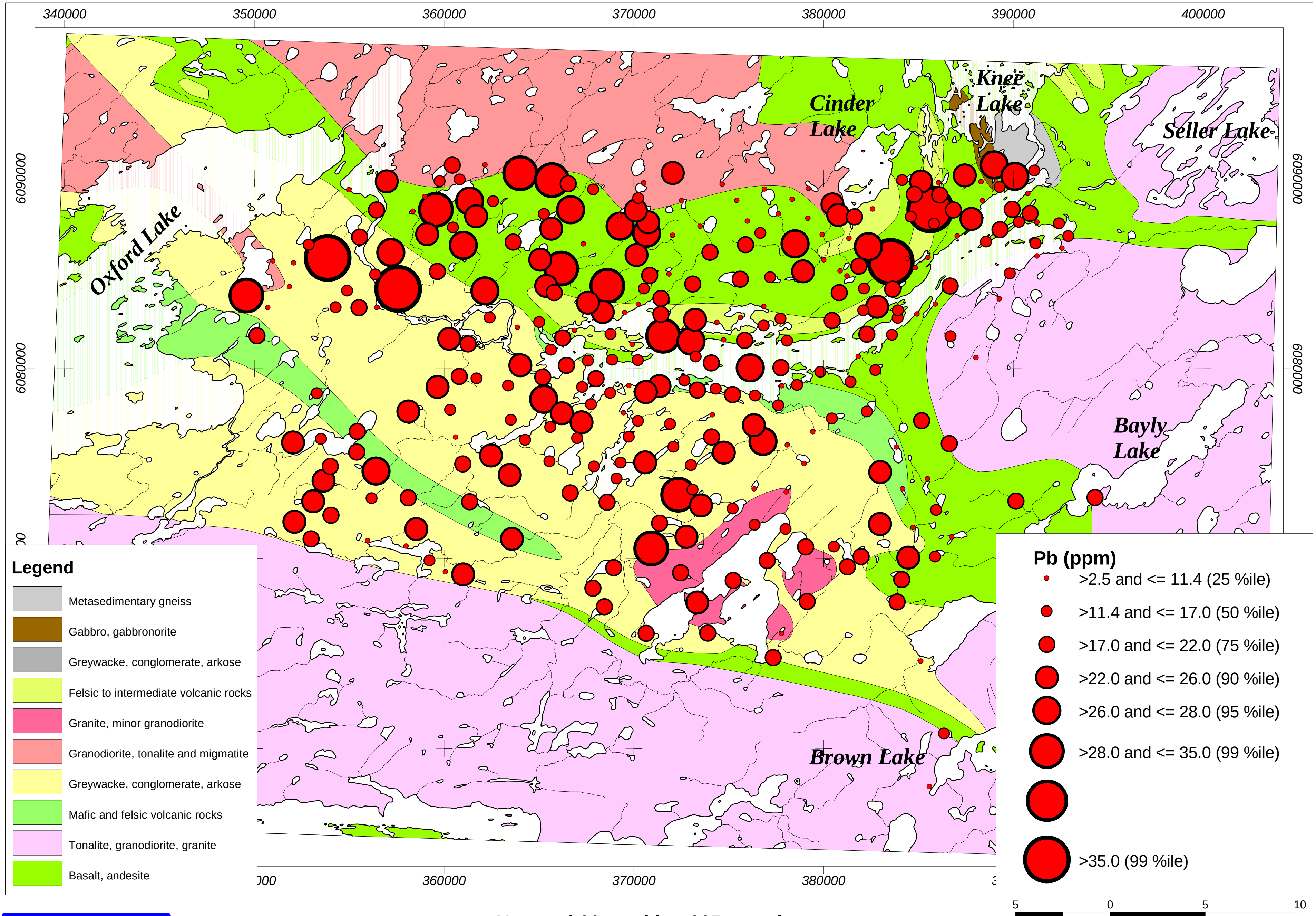
Appendix H-3-1




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

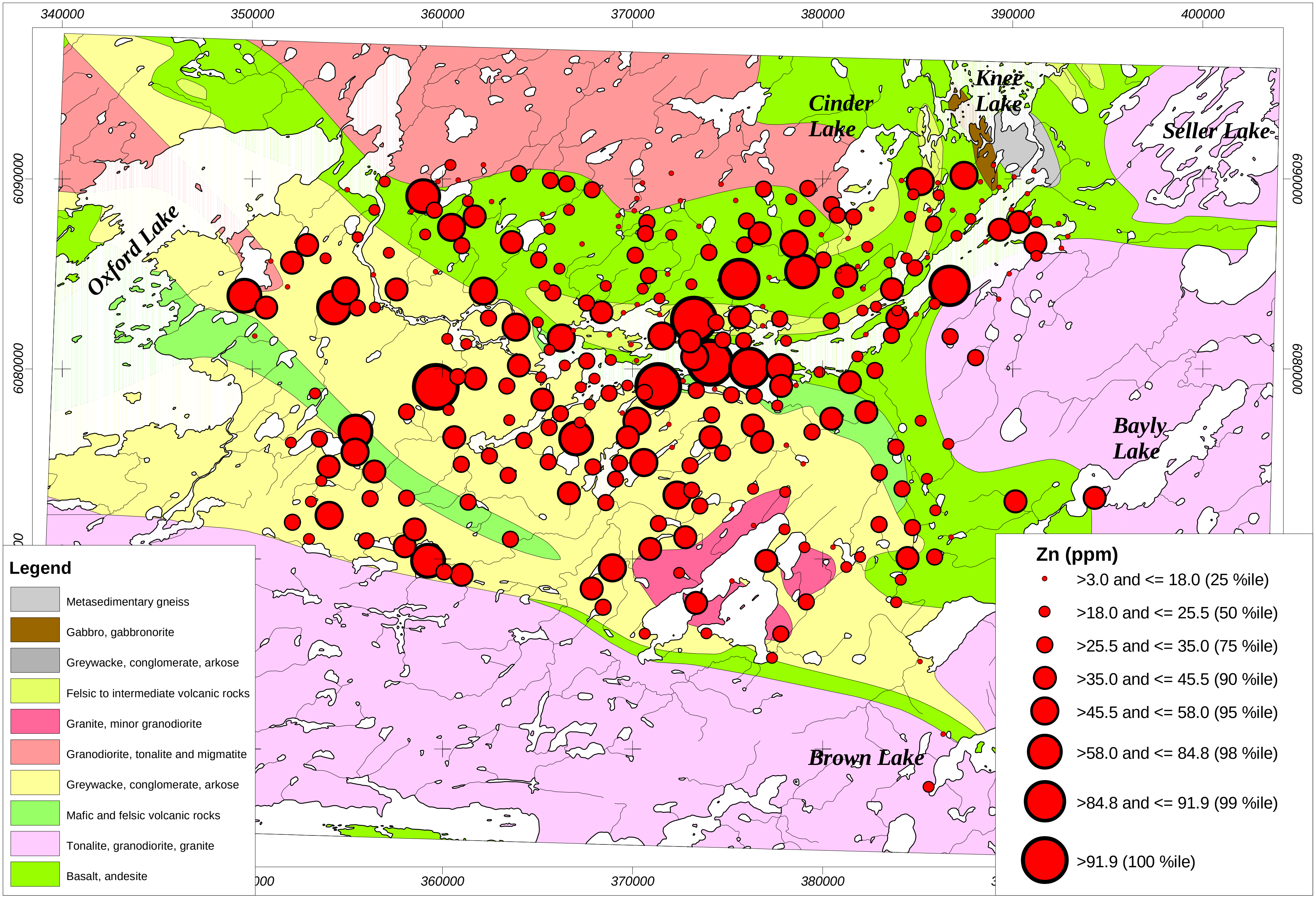
Appendix H-3-2




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

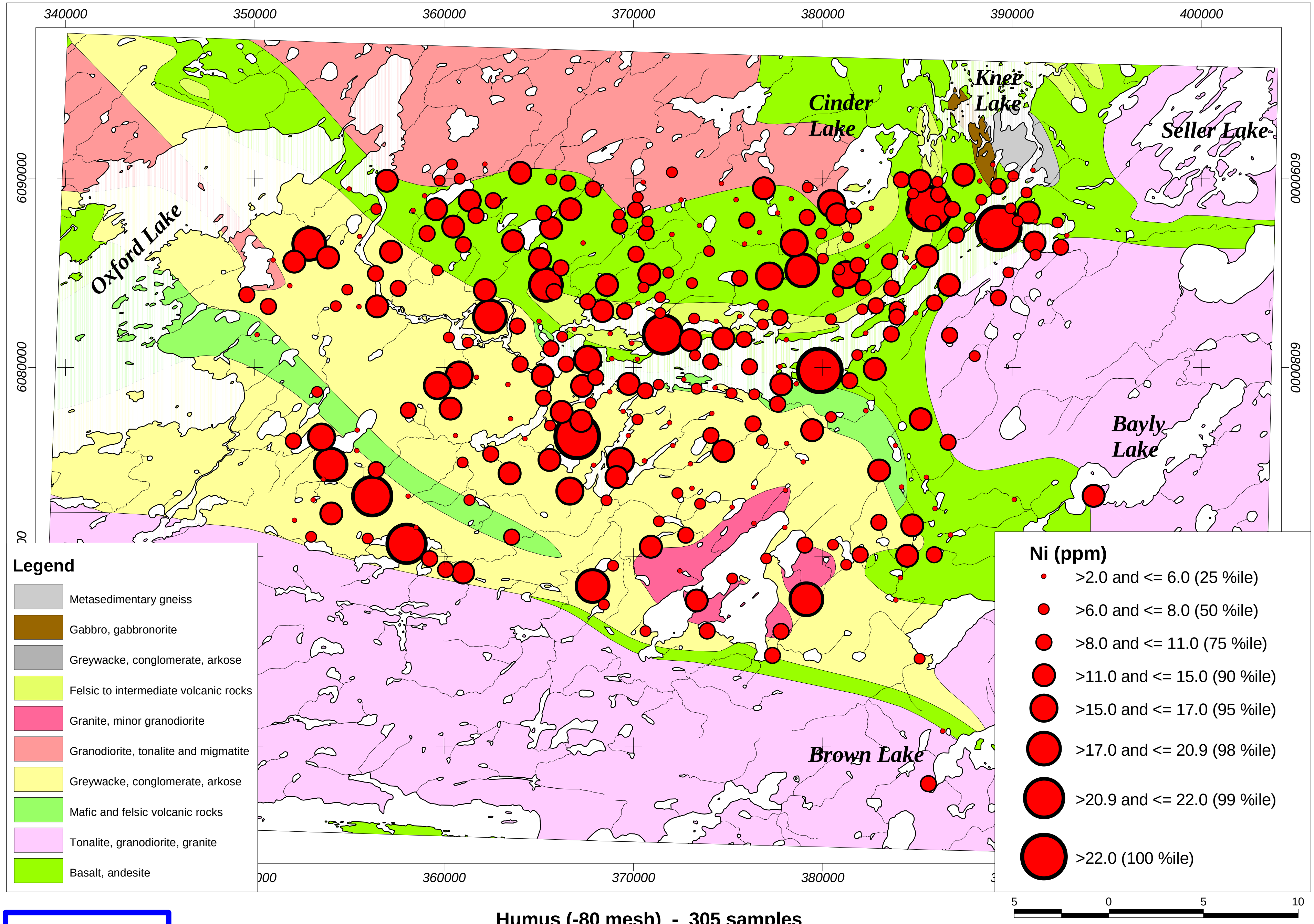
Appendix H-3-3




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

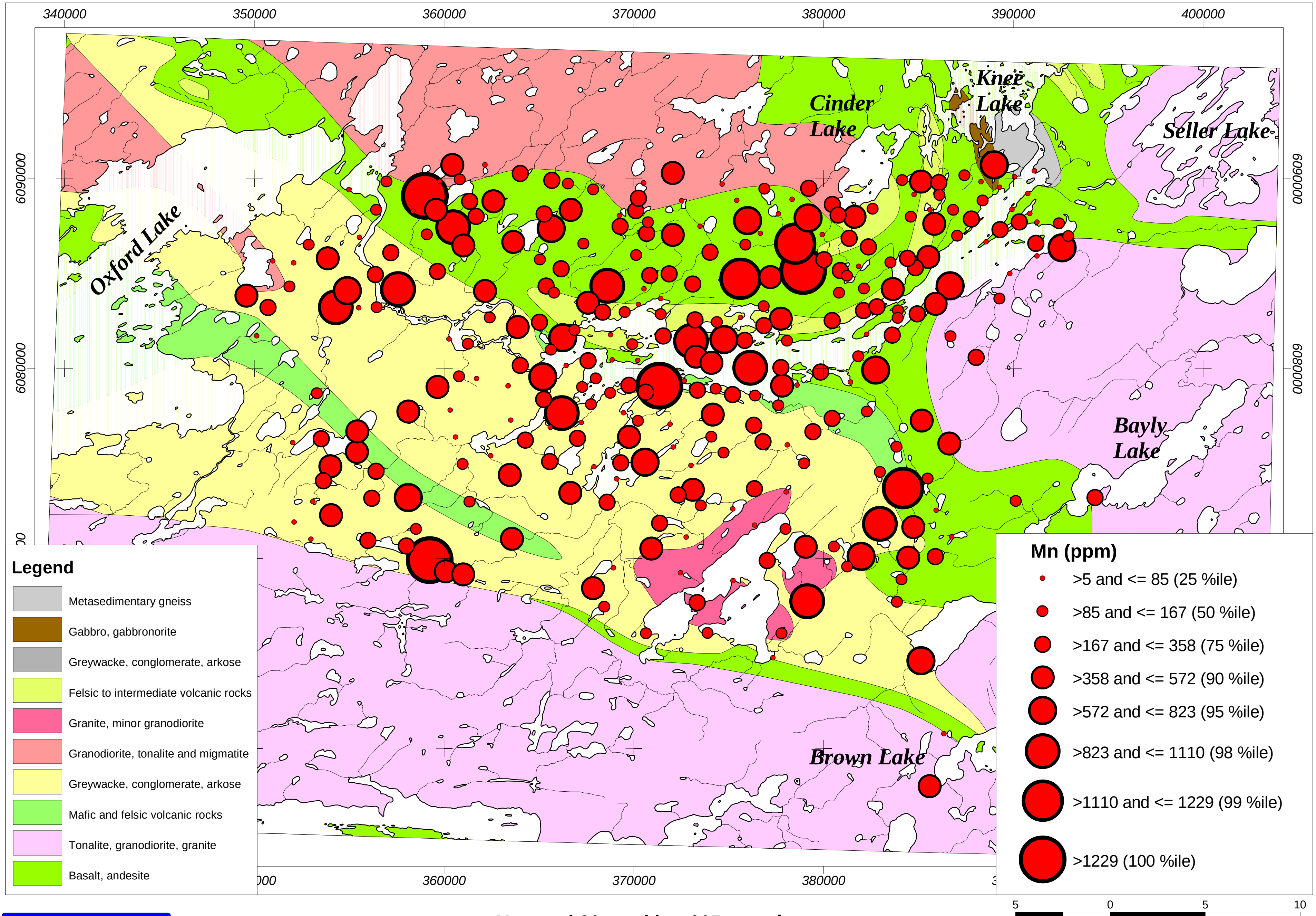
Appendix H-3-4




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

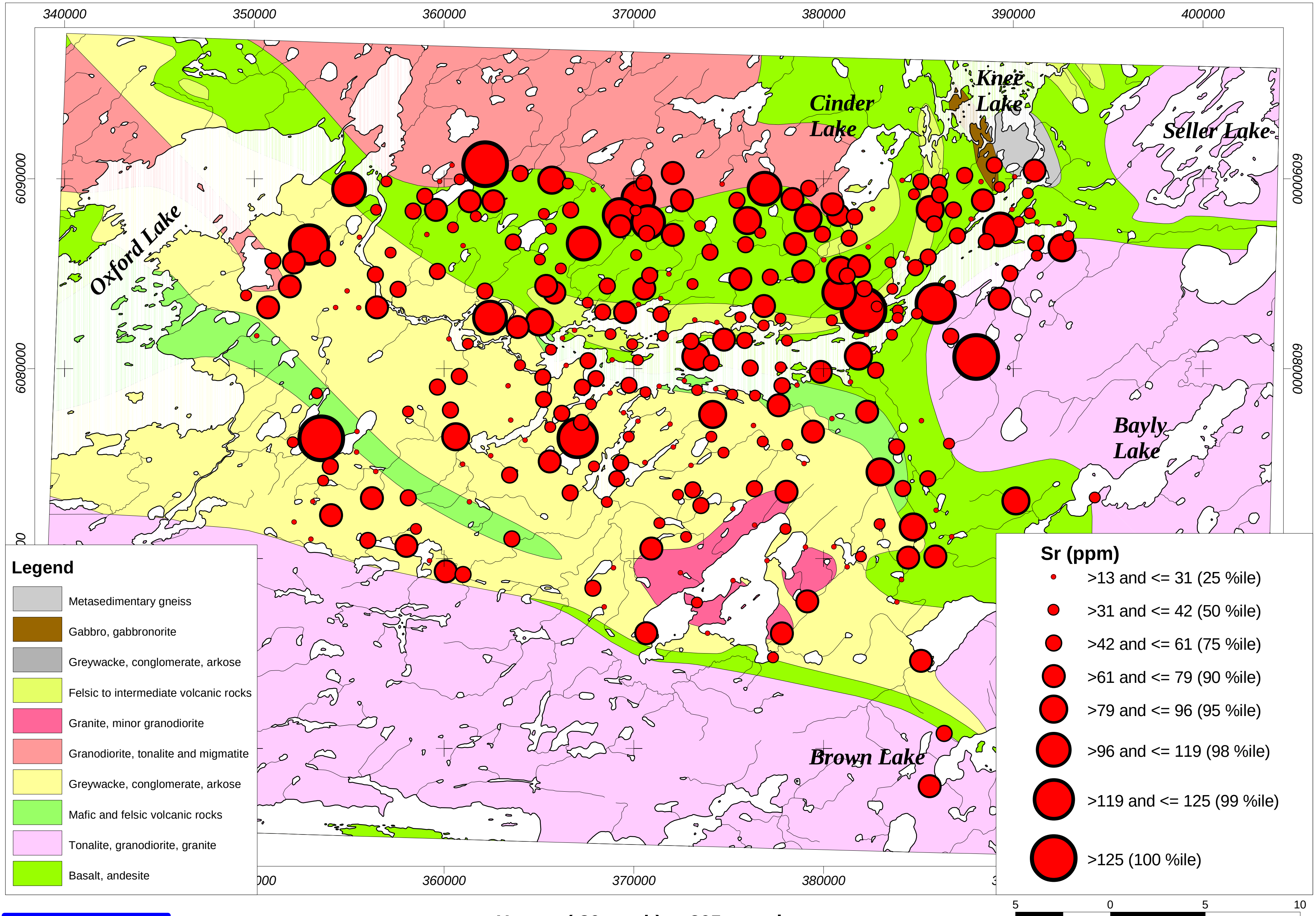
Appendix H-3-5




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

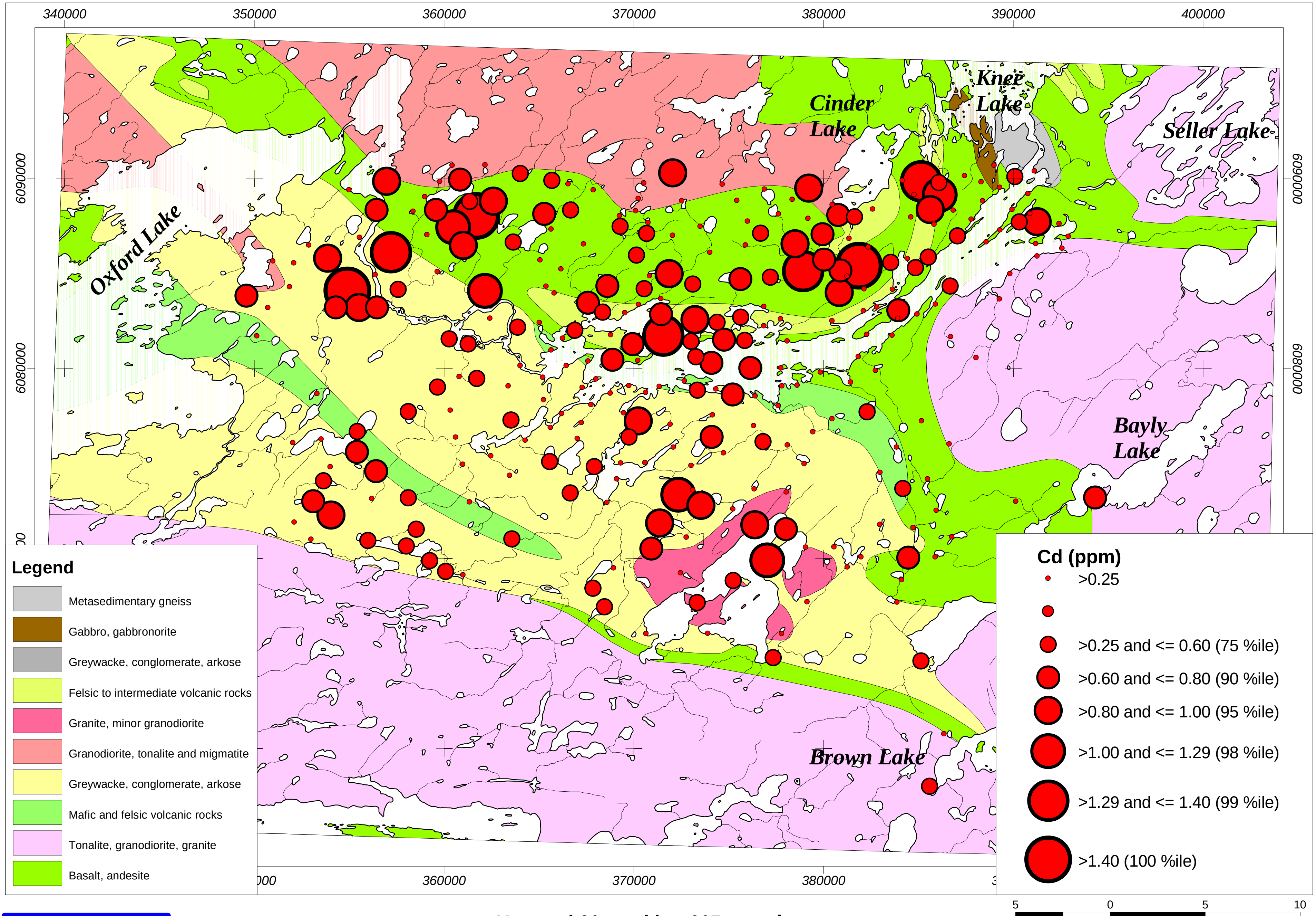
Appendix H-3-6




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

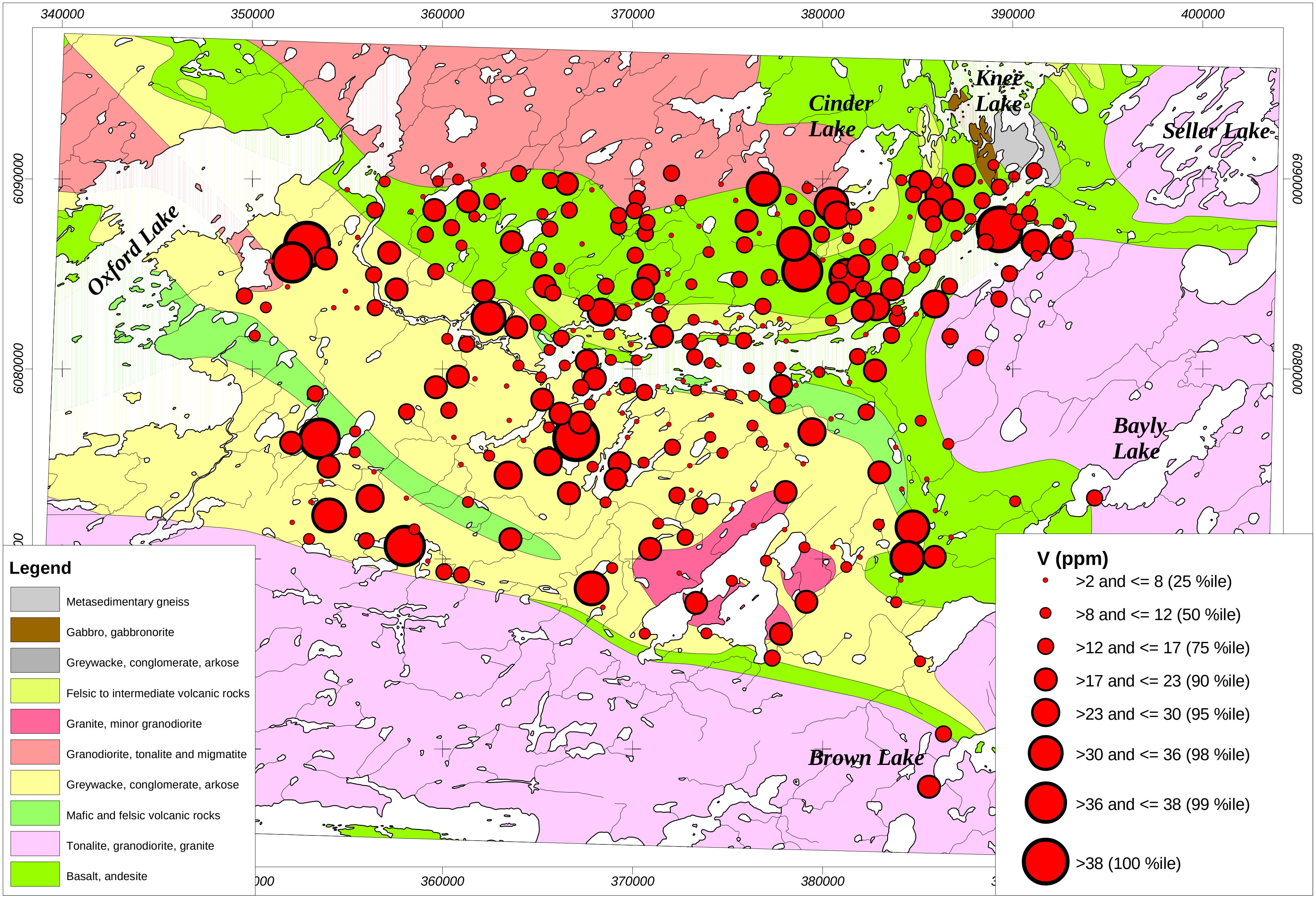
Appendix H-3-7




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

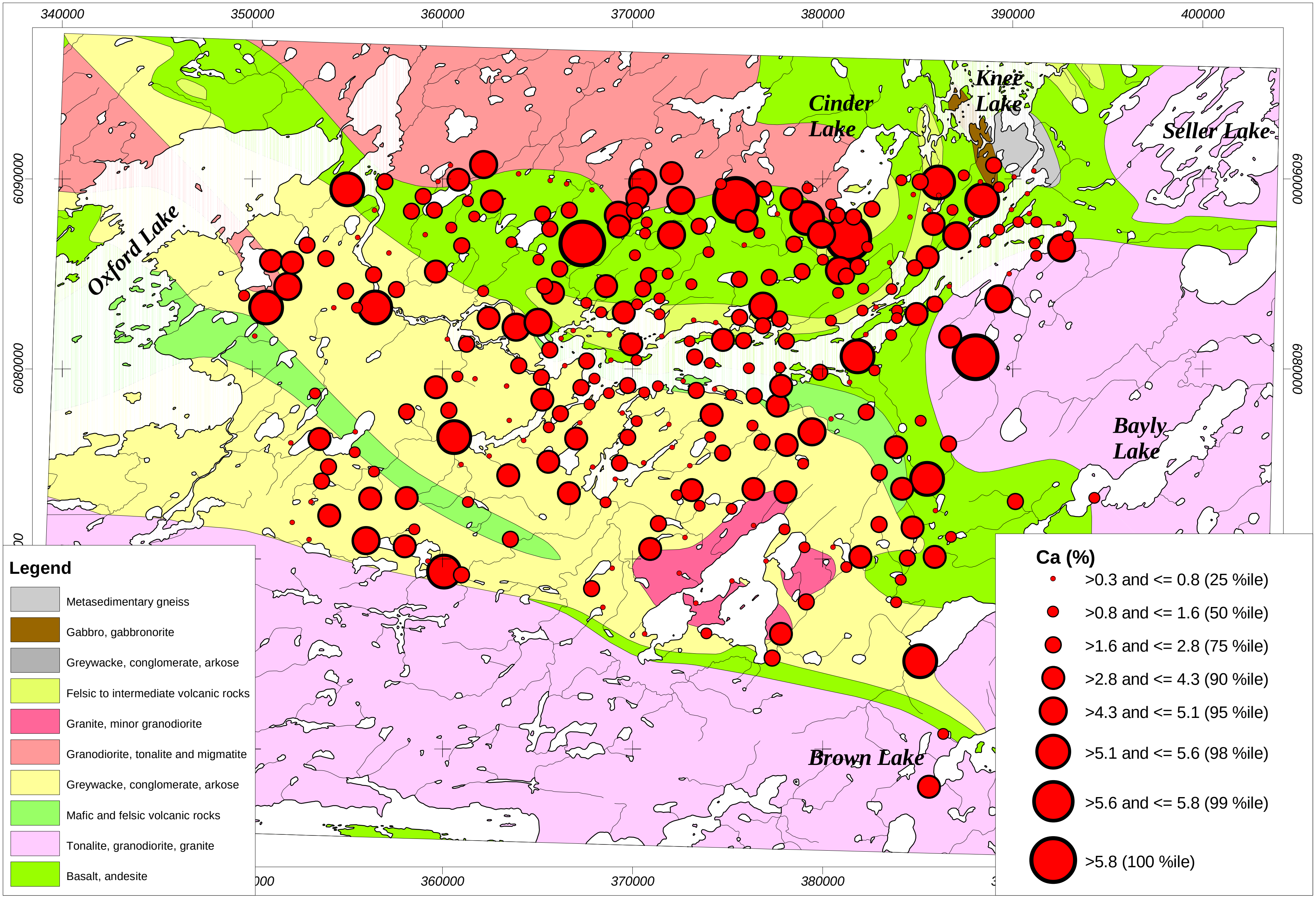
Appendix H-3-8




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

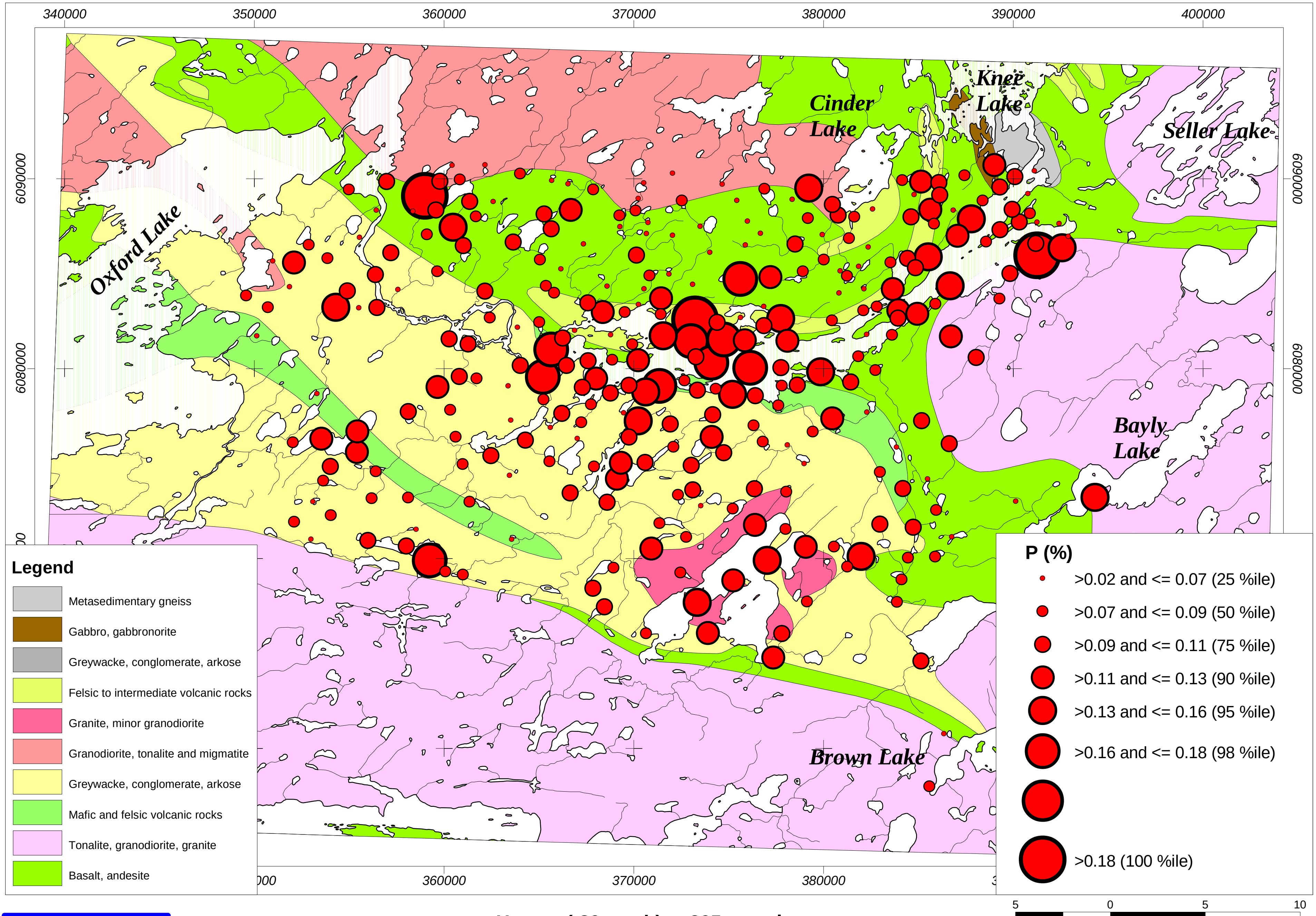
Appendix H-3-9




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

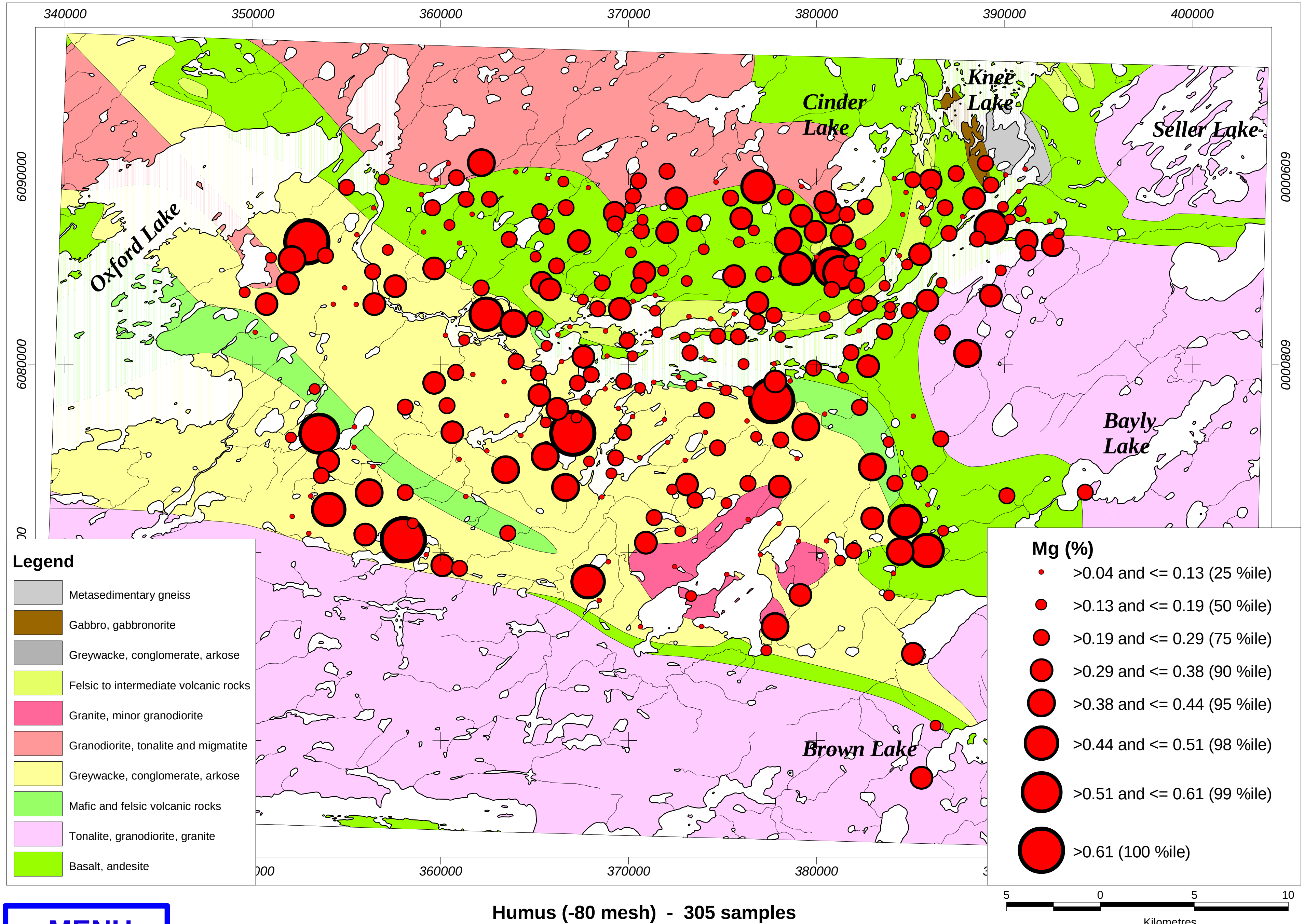
Appendix H-3-10




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

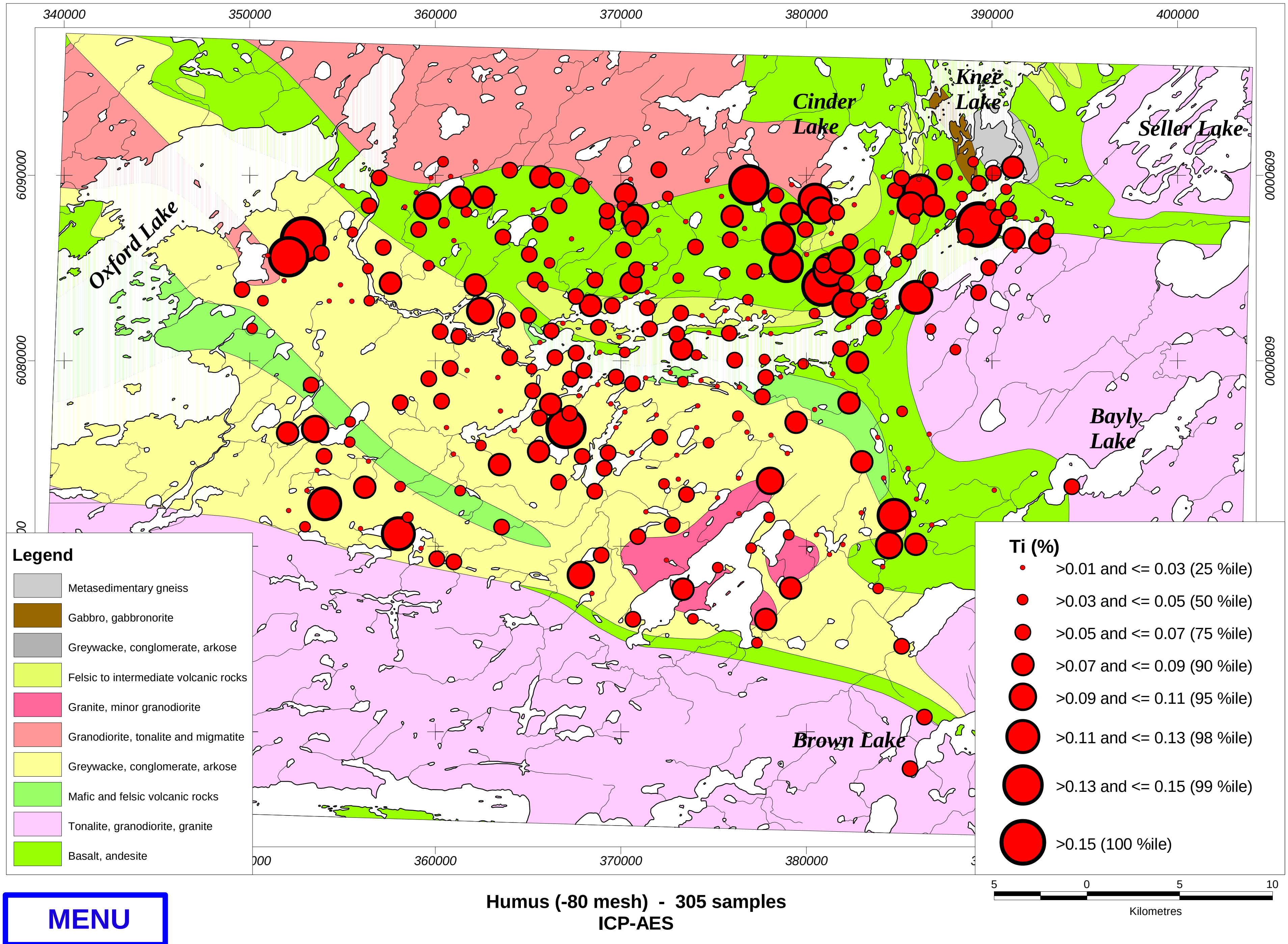
Appendix H-3-11




MENU

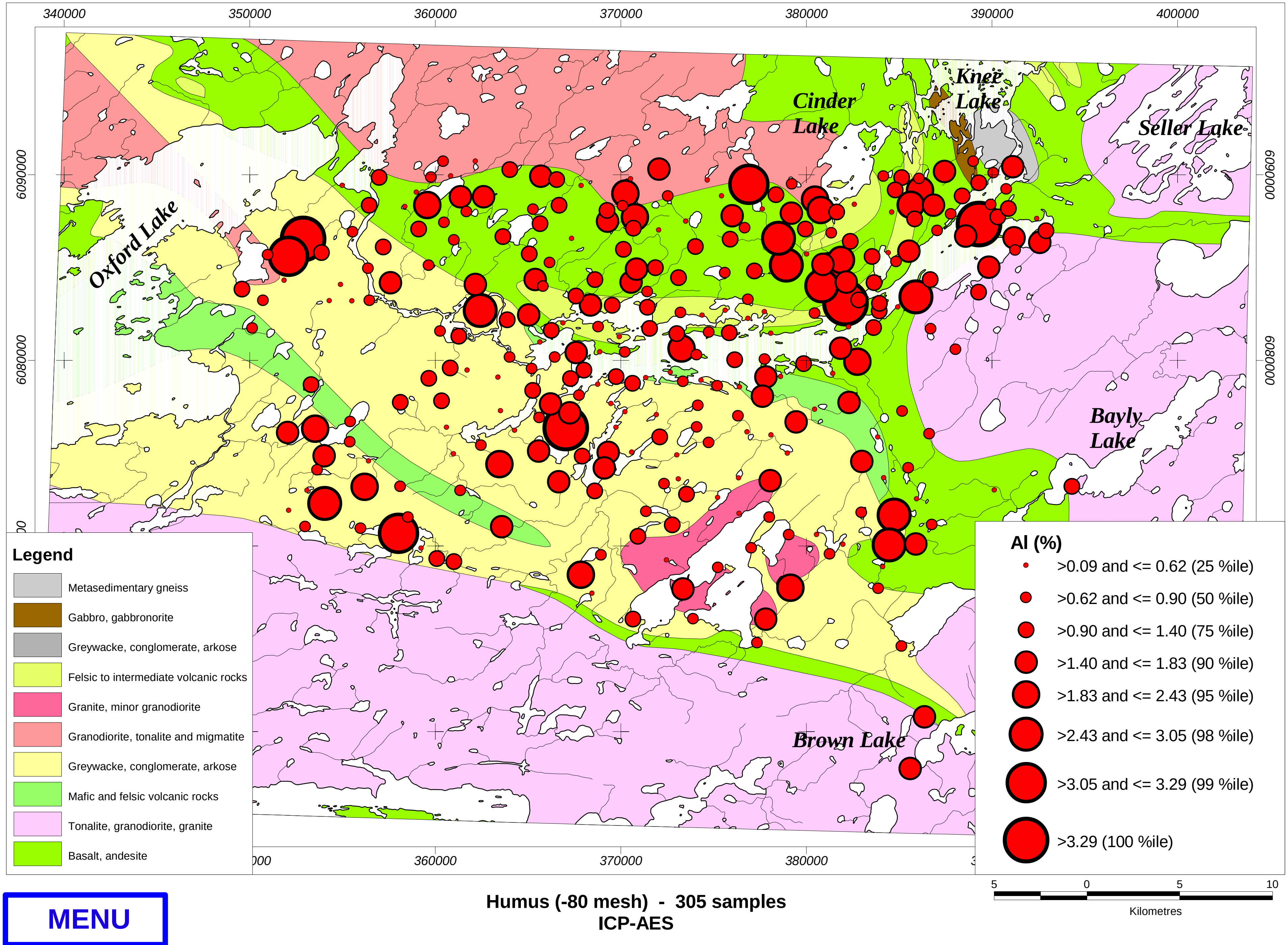
**Humus (-80 mesh) - 305 samples**
**ICP-AES**

Appendix H-3-12




**Humus (-80 mesh) - 305 samples**
**ICP-AES**

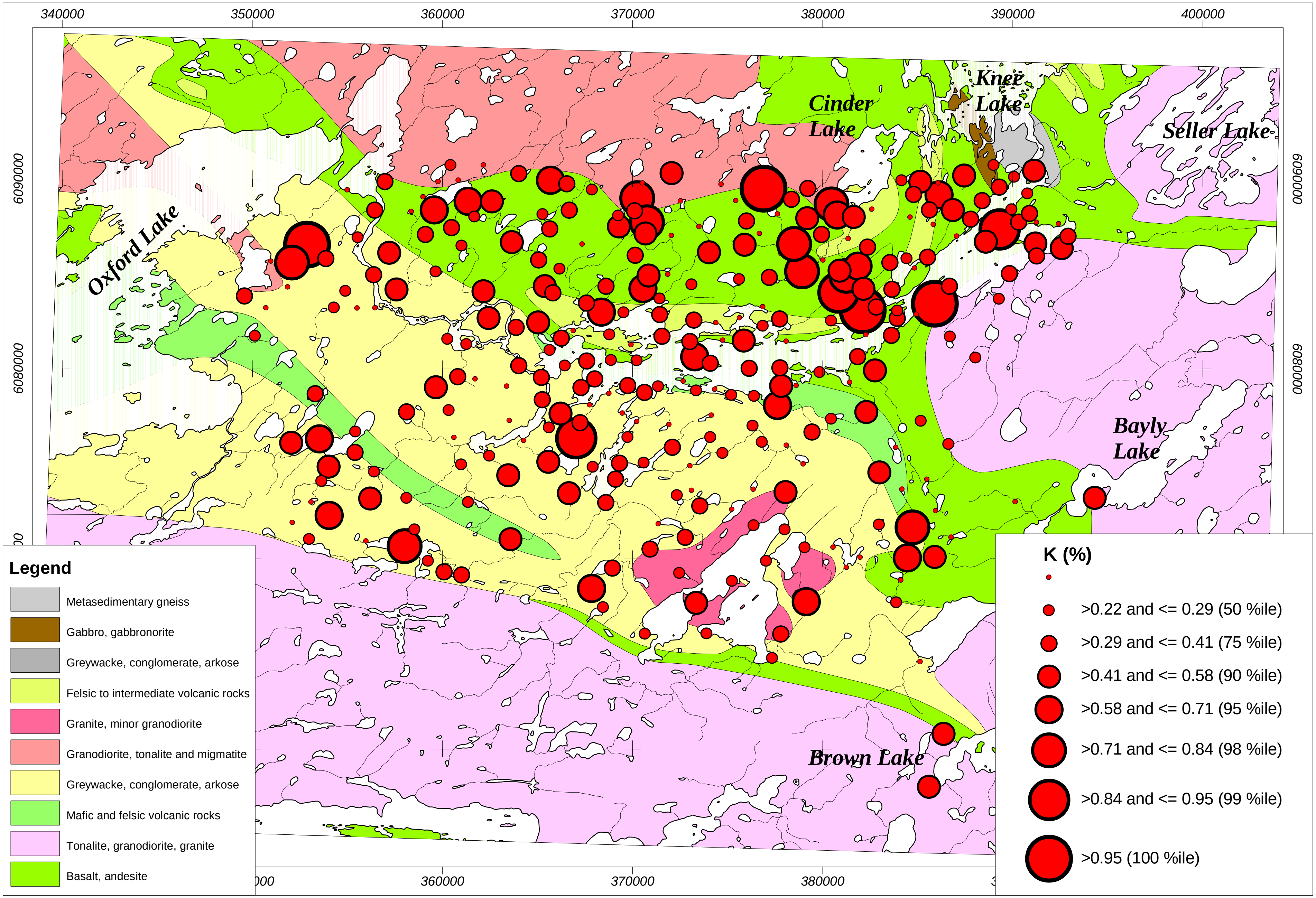
Appendix H-3-13




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

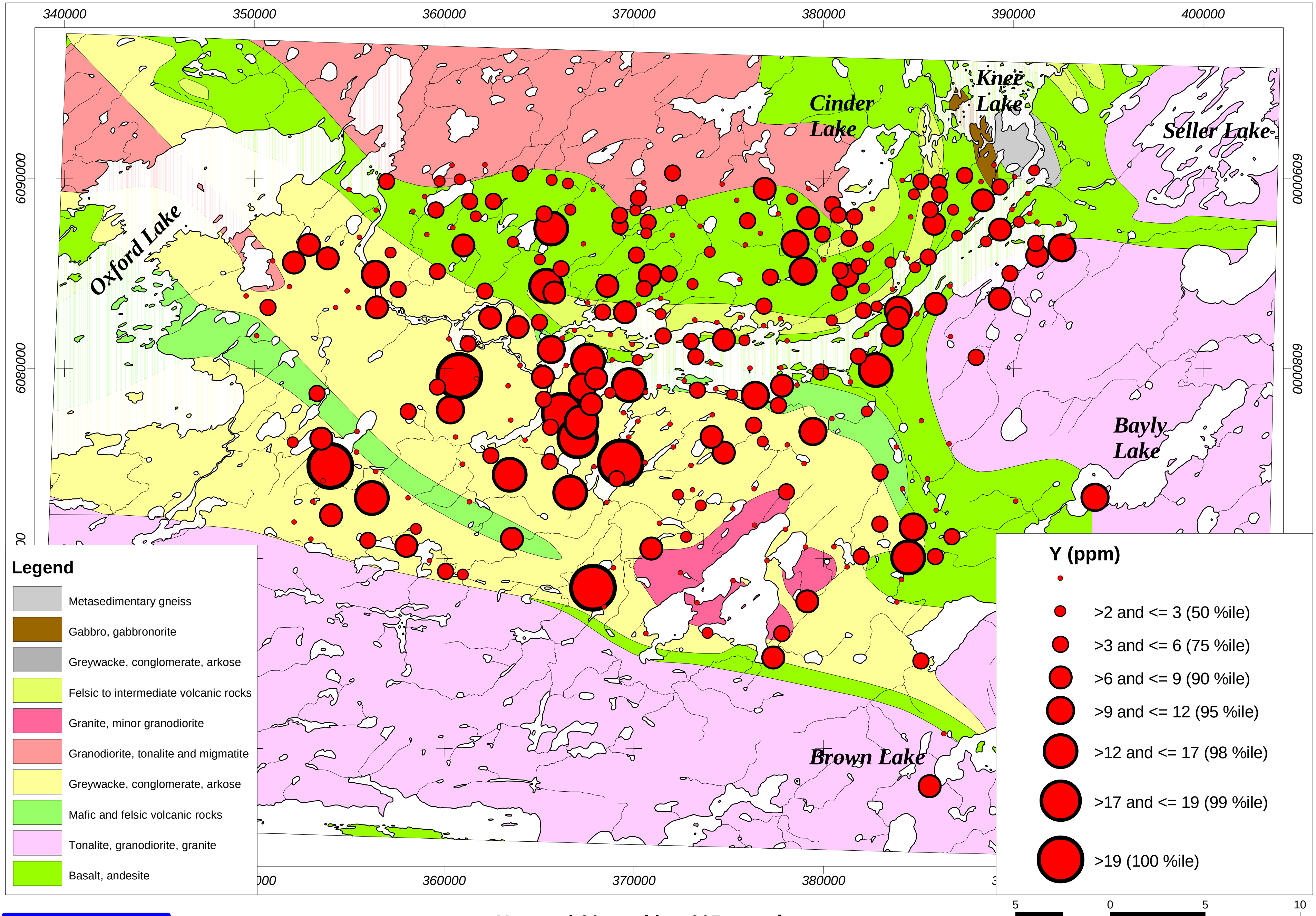
Appendix H-3-14




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

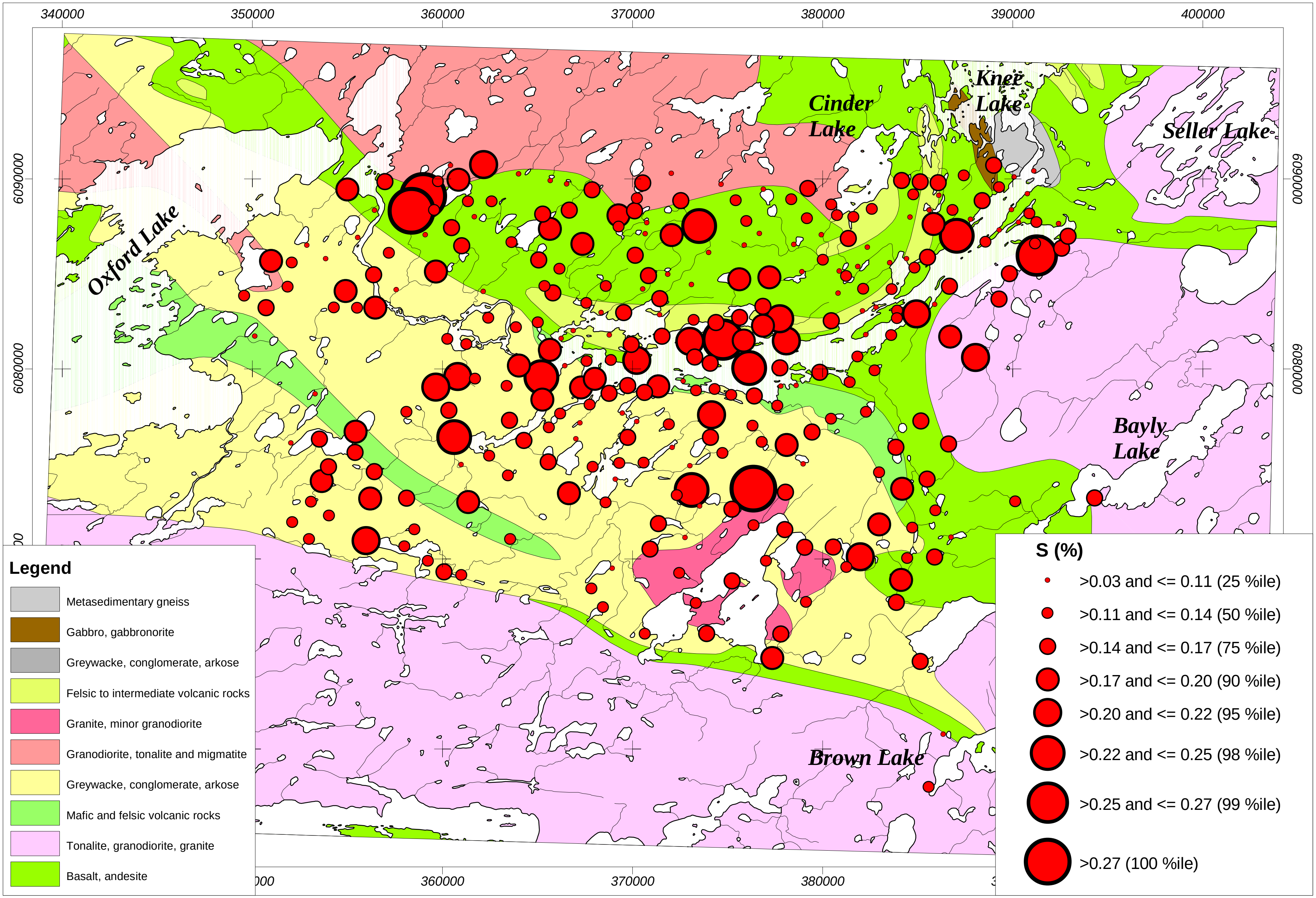
Appendix H-3-15




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

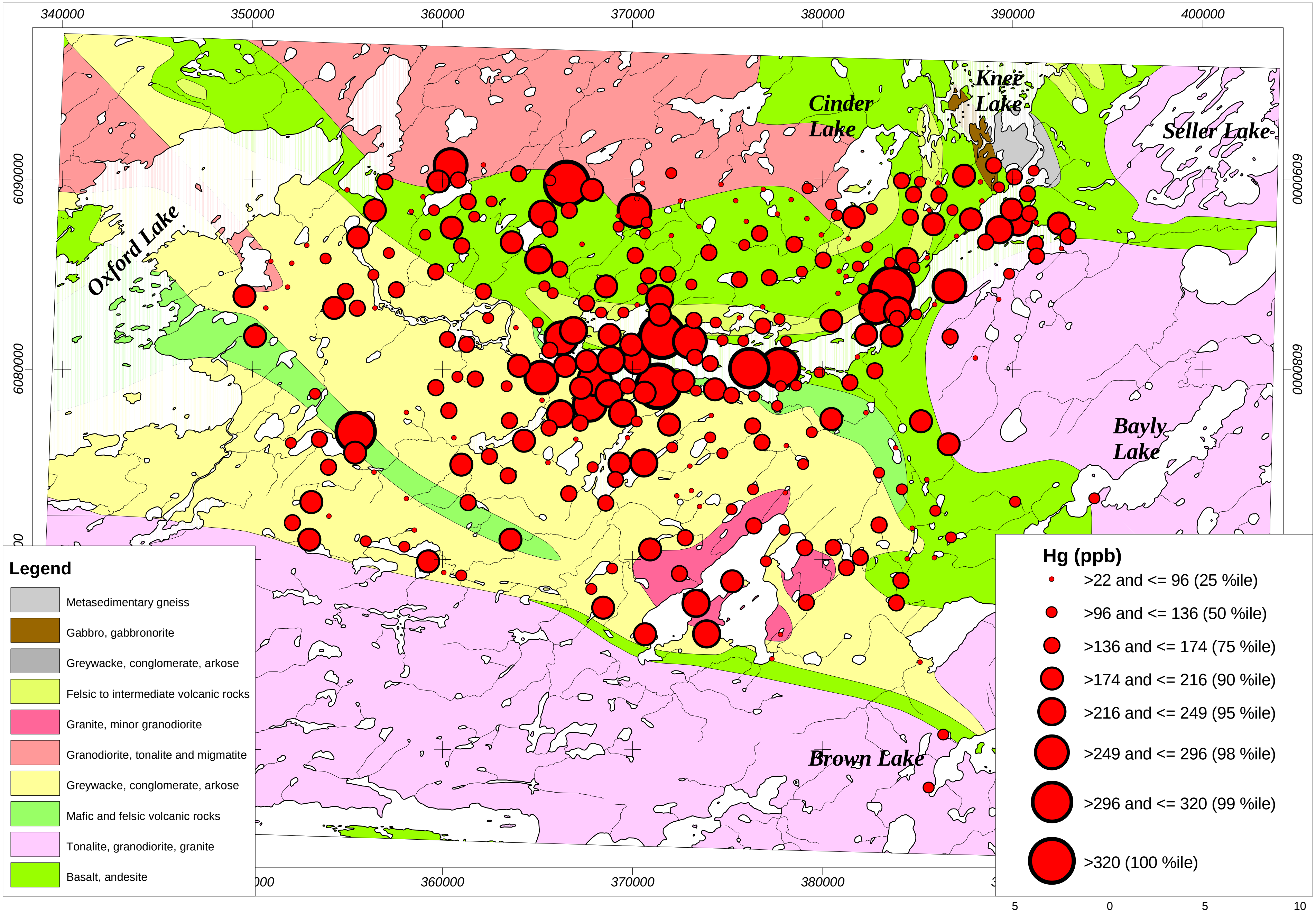
Appendix H-3-16




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

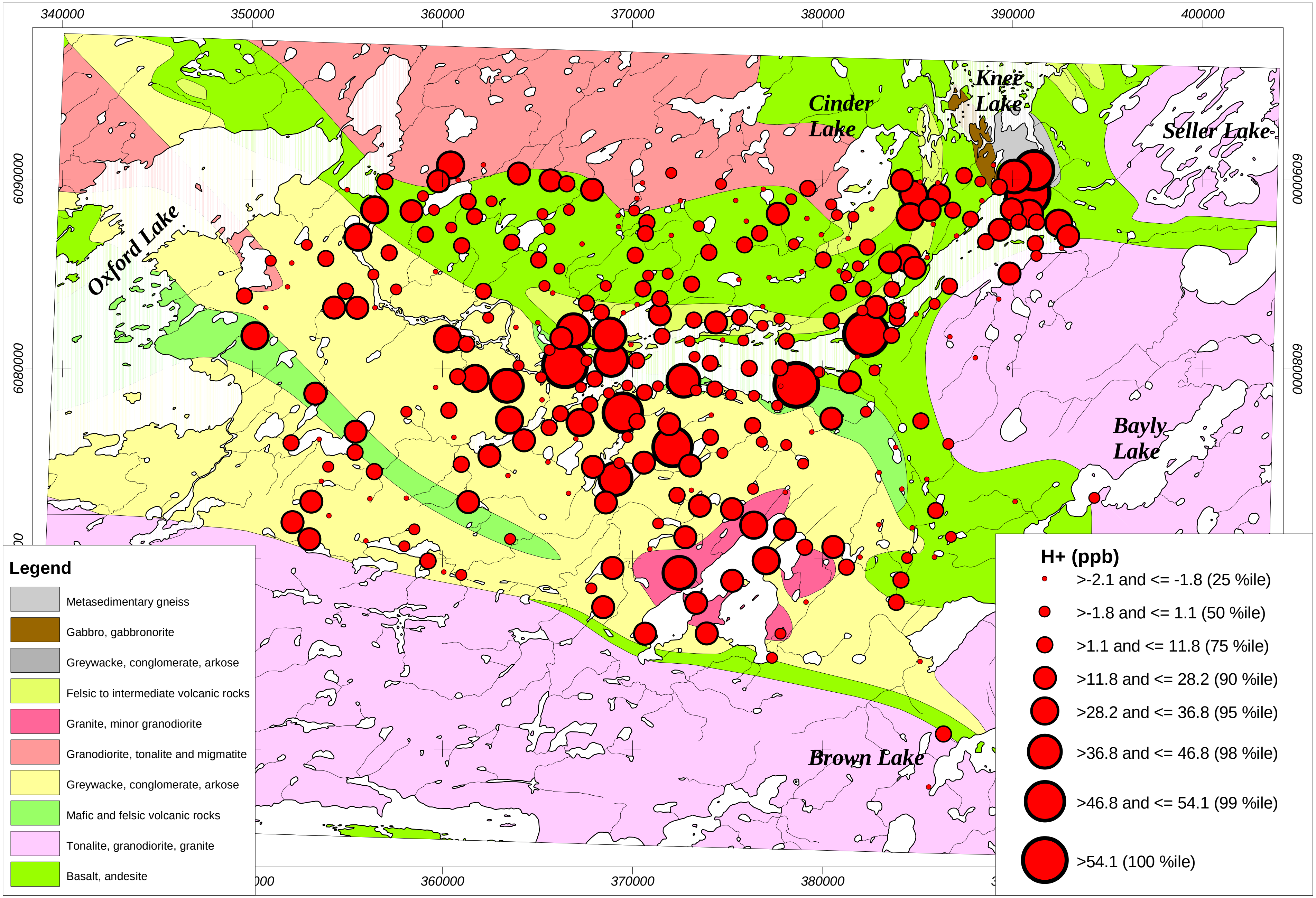
Appendix H-3-17




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

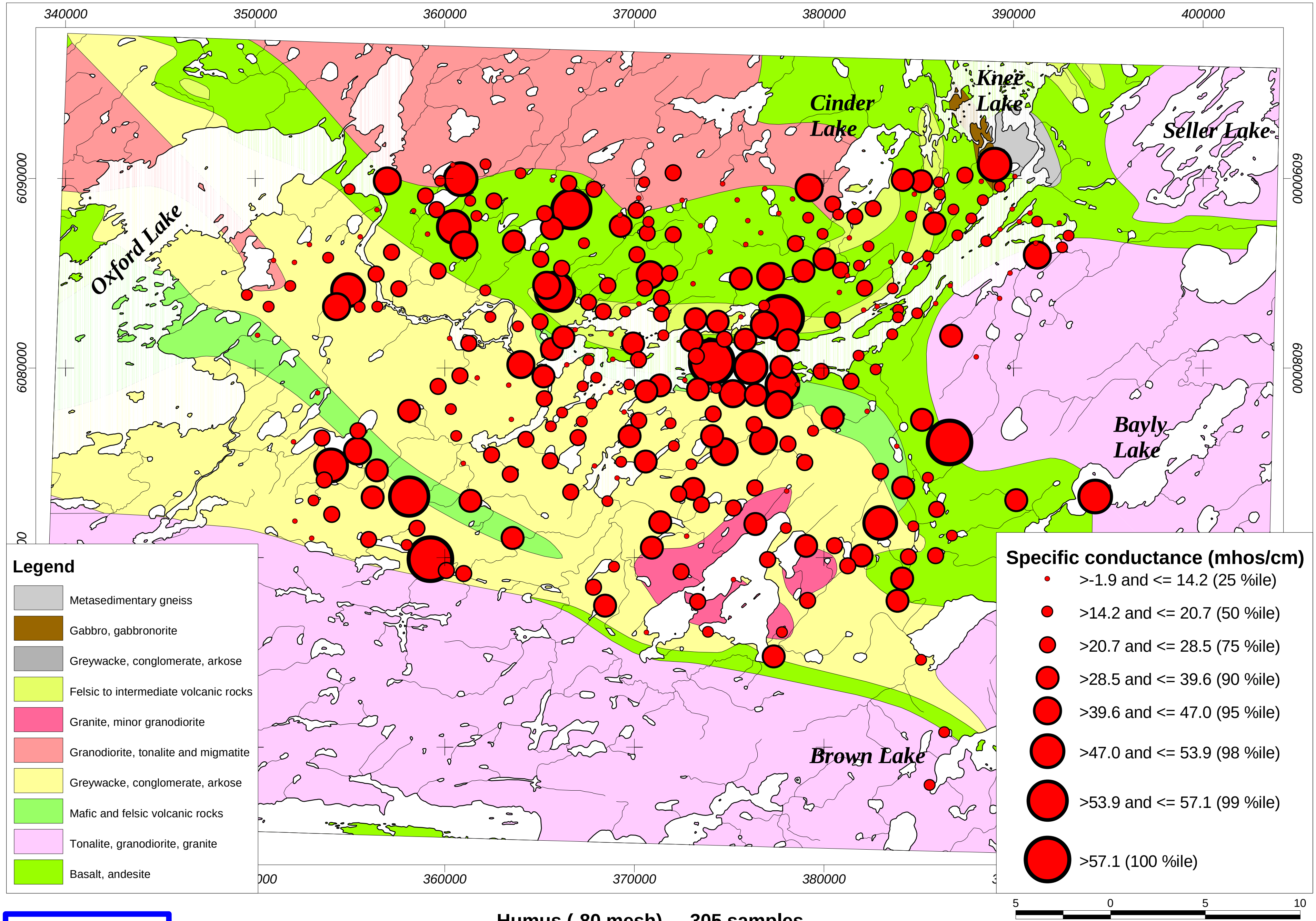
Appendix H-3-18




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

Appendix H-3-19




MENU

**Humus (-80 mesh) - 305 samples**
**ICP-AES**

Appendix H-3-20

# INA Analyses.

| Sample Site | UTM Easting | UTM Northing | Au pb | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Fe % | Hf ppm | Mo ppm | Na % | Rb ppm | Sb ppm | Sc ppm | Th ppm | U ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-99H-1 | 381338.32 | 6086855.25 | 1 | 1.1 | 140 | 26.4 | 7 | 3.0 | 15.0 | 0.59 | 0.50 | 0.5 | 0.11 | 7.5 | 0.05 | 2.0 | 3.5 | 1.20 | 25 |
| 71-99H-2 | 379928.11 | 6087059.58 | 1 | 2.6 | 110 | 16.6 | 4 | 3.0 | 7.0 | 0.79 | 0.50 | 0.5 | 0.16 | 7.5 | 0.30 | 2.7 | 2.5 | 0.25 | 25 |
| 71-99H-3 | 380864.52 | 6085155.70 | 1 | 1.6 | 190 | 18.6 | 6 | 2.0 | 12.0 | 0.68 | 2.00 | 6.0 | 0.47 | 28.0 | 0.30 | 3.0 | 3.8 | 2.80 | 25 |
| 71-99H-4 | 385575.87 | 6057998.38 | 1 | 3.3 | 320 | 15.8 | 4 | 4.0 | 18.0 | 1.02 | 1.00 | 5.0 | 0.22 | 27.0 | 0.05 | 3.3 | 4.5 | 5.20 | 25 |
| 71-99H-5 | 386340.97 | 6060776.00 | 1 | 4.0 | 260 | 13.5 | 1 | 3.0 | 13.0 | 0.59 | 2.00 | 0.5 | 0.45 | 7.5 | 0.10 | 2.2 | 2.0 | 0.25 | 25 |
| 71-99H-6 | 385118.63 | 6064597.68 | 1 | 3.7 | 310 | 35.2 | 6 | 2.0 | 7.0 | 0.60 | 0.50 | 0.5 | 0.09 | 7.5 | 0.20 | 3.2 | 2.6 | 1.50 | 25 |
| 71-99H-7 | 380012.55 | 6085720.22 | 1 | 4.7 | 240 | 11.7 | 3 | 2.0 | 2.5 | 0.26 | 1.00 | 0.5 | 0.09 | 7.5 | 0.50 | 0.9 | 0.8 | 0.25 | 25 |
| 71-99H-8 | 381843.70 | 6085393.08 | 1 | 5.6 | 300 | 9.2 | 2 | 4.0 | 17.0 | 1.17 | 2.00 | 0.5 | 0.46 | 52.0 | 0.40 | 3.7 | 3.8 | 1.70 | 25 |
| 71-99H-9 | 381226.37 | 6084881.63 | 1 | 3.5 | 290 | 16.2 | 3 | 5.0 | 38.0 | 2.04 | 1.00 | 0.5 | 0.21 | 52.0 | 0.05 | 5.6 | 6.8 | 0.60 | 25 |
| 71-99H-10 | 380814.98 | 6083990.92 | 1 | 3.4 | 370 | 8.1 | 2 | 3.0 | 27.0 | 0.92 | 8.00 | 0.5 | 0.93 | 7.5 | 0.20 | 4.4 | 5.0 | 1.10 | 25 |
| 71-99H-11 | 382124.73 | 6084199.82 | 1 | 2.9 | 190 | 9.1 | 2 | 4.0 | 16.0 | 0.76 | 1.00 | 0.5 | 0.28 | 7.5 | 0.60 | 2.6 | 2.4 | 0.25 | 25 |
| 71-99H-12 | 384139.45 | 6089907.45 | 1 | 3.3 | 150 | 12.9 | 1 | 3.0 | 7.0 | 0.27 | 0.50 | 0.5 | 0.11 | 22.0 | 0.30 | 1.2 | 0.1 | 0.25 | 25 |
| 71-99H-13 | 385120.09 | 6089836.36 | 1 | 2.8 | 170 | 14.3 | 1 | 6.0 | 12.0 | 0.81 | 0.50 | 0.5 | 0.19 | 16.0 | 0.40 | 2.8 | 2.2 | 1.30 | 25 |
| 71-99H-14 | 386060.67 | 6089790.62 | 1 | 3.4 | 86 | 20.5 | 6 | 2.0 | 8.0 | 0.46 | 0.50 | 0.5 | 0.07 | 7.5 | 0.05 | 1.7 | 2.6 | 4.00 | 25 |
| 71-99H-15 | 385609.68 | 6088356.80 | 1 | 7.1 | 290 | 10.7 | 1 | 9.0 | 11.0 | 0.82 | 2.00 | 0.5 | 0.42 | 7.5 | 0.20 | 3.9 | 2.3 | 0.25 | 25 |
| 71-99H-16 | 386107.09 | 6089134.20 | 1 | 3.5 | 300 | 7.8 | 1 | 4.0 | 18.0 | 0.64 | 4.00 | 0.5 | 0.46 | 7.5 | 0.50 | 3.4 | 2.6 | 0.25 | 25 |
| 71-99H-17 | 386831.55 | 6088342.61 | 1 | 5.7 | 170 | 12.3 | 2 | 3.0 | 15.0 | 0.85 | 2.00 | 0.5 | 0.28 | 27.0 | 0.40 | 2.9 | 1.8 | 1.60 | 25 |
| 71-99H-18 | 384402.98 | 6085799.86 | 1 | 2.9 | 160 | 6.5 | 1 | 2.0 | 2.5 | 0.26 | 0.50 | 0.5 | 0.09 | 23.0 | 0.20 | 1.0 | 0.1 | 0.25 | 25 |
| 71-99H-19 | 383518.94 | 6085591.65 | 1 | 4.4 | 240 | 5.2 | 1 | 3.0 | 11.0 | 0.70 | 2.00 | 0.5 | 0.19 | 7.5 | 0.40 | 2.6 | 2.0 | 0.25 | 25 |
| 71-99H-20 | 385498.35 | 6085864.44 | 1 | 2.7 | 230 | 21.5 | 4 | 6.0 | 15.0 | 0.90 | 0.50 | 0.5 | 0.12 | 7.5 | 0.20 | 3.2 | 3.0 | 1.40 | 25 |
| 71-99H-21-1 Field Duplicate | 384823.47 | 6085301.09 | 1 | 2.2 | 100 | 16.0 | 4 | 2.0 | 7.0 | 0.40 | 0.50 | 6.0 | 0.07 | 16.0 | 0.05 | 1.4 | 1.3 | 0.25 | 25 |
| 71-99H-21-2 Field Duplicate | 384823.47 | 6085301.09 | 1 | 3.5 | 210 | 7.8 | 2 | 2.0 | 10.0 | 0.45 | 0.50 | 0.5 | 0.14 | 16.0 | 0.50 | 2.2 | 1.4 | 0.25 | 25 |
| 71-99H-22 | 383626.62 | 6084172.60 | 1 | 4.7 | 190 | 16.3 | 1 | 3.0 | 18.0 | 0.83 | 1.00 | 0.5 | 0.19 | 42.0 | 0.40 | 2.6 | 1.9 | 0.25 | 25 |
| 71-99H-23 | 382797.60 | 6083251.65 | 1 | 4.2 | 160 | 9.1 | 1 | 4.0 | 19.0 | 0.81 | 1.00 | 0.5 | 0.21 | 32.0 | 0.70 | 4.3 | 1.1 | 0.25 | 25 |
| 71-99H-24 | 383922.80 | 6083064.31 | 1 | 3.7 | 130 | 11.8 | 1 | 4.0 | 2.5 | 0.61 | 0.50 | 0.5 | 0.10 | 7.5 | 0.60 | 3.3 | 3.8 | 0.25 | 25 |
| 71-99H-25 | 390069.10 | 6090107.94 | 1 | 2.8 | 160 | 8.3 | 1 | 3.0 | 8.0 | 0.46 | 0.50 | 0.5 | 0.12 | 7.5 | 0.50 | 1.7 | 1.0 | 0.25 | 25 |
| 71-99H-26 | 389273.35 | 6089551.83 | 1 | 2.1 | 160 | 8.6 | 1 | 4.0 | 11.0 | 0.69 | 0.50 | 0.5 | 0.21 | 26.0 | 0.30 | 2.6 | 2.3 | 0.25 | 25 |
| 71-99H-27 | 388381.58 | 6088845.50 | 1 | 0.3 | 240 | 20.3 | 7 | 3.0 | 12.0 | 0.67 | 1.00 | 6.0 | 0.23 | 7.5 | 0.05 | 2.3 | 3.7 | 0.80 | 25 |
| 71-99H-28 | 391096.14 | 6090415.34 | 1 | 2.4 | 140 | 4.2 | 1 | 3.0 | 12.0 | 0.42 | 3.00 | 0.5 | 0.54 | 7.5 | 0.05 | 2.4 | 2.6 | 0.25 | 25 |
| 71-99H-29 | 390765.20 | 6089215.18 | 1 | 2.2 | 120 | 12.4 | 1 | 3.0 | 6.0 | 0.37 | 1.00 | 0.5 | 0.25 | 7.5 | 0.30 | 1.4 | 0.9 | 0.25 | 25 |
| 71-99H-30 | 389922.08 | 6088381.30 | 1 | 3.2 | 170 | 8.0 | 1 | 0.5 | 8.0 | 0.40 | 1.00 | 0.5 | 0.18 | 7.5 | 0.80 | 1.7 | 1.5 | 0.25 | 25 |
| 71-99H-31 | 387776.64 | 6087871.04 | 1 | 2.9 | 190 | 5.8 | 1 | 4.0 | 2.5 | 0.39 | 0.50 | 0.5 | 0.14 | 7.5 | 0.50 | 1.5 | 1.0 | 1.20 | 25 |
| 71-99H-32 | 389281.25 | 6087309.72 | 1 | 3.2 | 290 | 5.4 | 1 | 8.0 | 58.0 | 2.01 | 4.00 | 0.5 | 0.90 | 26.0 | 0.50 | 7.0 | 3.8 | 0.25 | 25 |
| 71-99H-33 | 387035.08 | 6086978.20 | 1 | 1.9 | 100 | 22.3 | 5 | 2.0 | 8.0 | 0.35 | 0.50 | 0.5 | 0.08 | 7.5 | 0.20 | 1.4 | 1.7 | 0.25 | 25 |
| 71-99H-34 | 388567.46 | 6086677.37 | 1 | 3.3 | 230 | 9.6 | 1 | 2.0 | 13.0 | 0.62 | 1.00 | 0.5 | 0.37 | 7.5 | 0.40 | 2.5 | 2.7 | 0.25 | 64 |
| 71-99H-35 | 390865.79 | 6088176.15 | 1 | 3.8 | 130 | 7.1 | 1 | 2.0 | 10.0 | 0.64 | 0.50 | 0.5 | 0.20 | 7.5 | 0.40 | 2.2 | 2.0 | 0.25 | 25 |
| 71-99H-36 | 390299.61 | 6087715.51 | 1 | 5.1 | 200 | 9.8 | 1 | 2.0 | 14.0 | 0.56 | 1.00 | 0.5 | 0.26 | 7.5 | 0.30 | 2.4 | 1.9 | 0.25 | 54 |
| 71-99H-37 | 391242.83 | 6087718.12 | 1 | 4.2 | 25 | 19.3 | 1 | 2.0 | 2.5 | 0.15 | 0.50 | 0.5 | 0.04 | 7.5 | 0.10 | 0.4 | 0.3 | 0.25 | 25 |
| 71-99H-38 | 392410.86 | 6087648.10 | 1 | 3.5 | 160 | 9.4 | 1 | 2.0 | 8.0 | 0.37 | 0.50 | 0.5 | 0.12 | 23.0 | 0.40 | 1.4 | 0.9 | 0.25 | 25 |
| 71-99H-39 | 392898.97 | 6086971.53 | 1 | 4.0 | 150 | 11.5 | 1 | 3.0 | 11.0 | 0.43 | 1.00 | 0.5 | 0.29 | 7.5 | 0.40 | 1.8 | 1.3 | 0.25 | 25 |
| 71-99H-40 | 392559.91 | 6086340.04 | 1 | 2.4 | 180 | 22.3 | 6 | 6.0 | 18.0 | 1.05 | 2.00 | 0.5 | 0.41 | 7.5 | 0.30 | 3.9 | 4.7 | 3.80 | 25 |
| 71-99H-41-1 Field Duplicate | 391167.56 | 6086589.75 | 1 | 4.0 | 160 | 17.2 | 1 | 6.0 | 21.0 | 1.40 | 1.00 | 0.5 | 0.31 | 7.5 | 0.05 | 4.3 | 5.2 | 0.25 | 25 |
| 71-99H-41-2 Field Duplicate | 391167.56 | 6086589.75 | 1 | 5.9 | 200 | 25.6 | 1 | 11.0 | 14.0 | 1.00 | 0.50 | 0.5 | 0.15 | 21.0 | 0.50 | 3.0 | 3.3 | 0.25 | 25 |
| 71-99H-42 | 391238.39 | 6085940.29 | 1 | 1.5 | 100 | 14.6 | 3 | 5.0 | 7.0 | 0.71 | 0.50 | 0.5 | 0.09 | 38.0 | 0.30 | 3.9 | 5.0 | 2.00 | 25 |
| 71-99H-43 | 389804.68 | 6084999.49 | 1 | 4.2 | 180 | 14.5 | 1 | 4.0 | 10.0 | 0.70 | 2.00 | 0.5 | 0.36 | 36.0 | 0.40 | 2.8 | 2.3 | 0.25 | 57 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-44 | 389261.00 | 6083667.72 | 1 | 3.4 | 130 | 21.7 | 4 | 3.0 | 13.0 | 0.75 | 0.50 | 0.5 | 0.09 | 24.0 | 0.05 | 2.8 | 4.0 | 0.25 | 25 |
| 71-99H-45 | 386653.33 | 6084343.11 | 1 | 4.7 | 170 | 12.4 | 1 | 4.0 | 12.0 | 0.60 | 0.50 | 0.5 | 0.25 | 7.5 | 0.50 | 2.4 | 1.2 | 0.25 | 25 |
| 71-99H-46 | 385883.41 | 6083393.71 | 1 | 3.5 | 270 | 11.0 | 3 | 4.0 | 27.0 | 1.09 | 4.00 | 0.5 | 0.75 | 7.5 | 0.05 | 4.3 | 3.7 | 0.25 | 59 |
| 71-99H-47 | 384919.22 | 6082875.51 | 1 | 0.3 | 120 | 18.3 | 5 | 2.0 | 2.5 | 0.25 | 0.50 | 0.5 | 0.06 | 7.5 | 0.30 | 1.1 | 0.9 | 0.25 | 25 |
| 71-99H-48 | 383904.64 | 6082648.05 | 1 | 2.8 | 90 | 11.4 | 2 | 3.0 | 19.0 | 0.70 | 1.00 | 0.5 | 0.13 | 20.0 | 0.05 | 2.8 | 3.0 | 0.25 | 25 |
| 71-99H-49 | 388981.01 | 6090705.90 | 1 | 1.2 | 150 | 12.3 | 2 | 2.0 | 10.0 | 0.44 | 0.50 | 0.5 | 0.19 | 7.5 | 0.30 | 1.6 | 1.7 | 1.40 | 25 |
| 71-99H-50 | 387427.39 | 6090166.15 | 1 | 3.6 | 200 | 11.2 | 1 | 3.0 | 20.0 | 1.09 | 1.00 | 0.5 | 0.26 | 7.5 | 0.40 | 3.2 | 2.2 | 0.25 | 25 |
| 71-99H-51 | 385816.88 | 6087616.81 | 2 | 4.6 | 100 | 25.0 | 4 | 8.0 | 12.0 | 0.75 | 0.50 | 10.0 | 0.09 | 7.5 | 0.60 | 2.9 | 2.5 | 0.25 | 25 |
| 71-99H-52 | 382575.20 | 6088407.01 | 1 | 2.8 | 25 | 25.6 | 5 | 2.0 | 6.0 | 0.45 | 0.50 | 6.0 | 0.12 | 7.5 | 0.30 | 1.5 | 1.7 | 0.25 | 25 |
| 71-99H-53 | 381611.17 | 6087984.39 | 1 | 2.9 | 140 | 9.8 | 2 | 3.0 | 13.0 | 0.67 | 2.00 | 0.5 | 0.36 | 7.5 | 0.40 | 2.6 | 2.3 | 0.25 | 100 |
| 71-99H-54 | 380446.70 | 6088630.40 | 1 | 3.0 | 260 | 8.7 | 1 | 6.0 | 31.0 | 1.23 | 2.00 | 0.5 | 0.41 | 40.0 | 0.40 | 4.1 | 3.4 | 0.90 | 65 |
| 71-99H-55 | 384763.43 | 6089168.41 | 1 | 3.2 | 250 | 8.0 | 1 | 2.0 | 14.0 | 0.57 | 0.50 | 0.5 | 0.17 | 7.5 | 0.40 | 2.3 | 1.7 | 1.50 | 25 |
| 71-99H-56 | 384593.57 | 6087985.36 | 1 | 2.1 | 170 | 6.0 | 1 | 2.0 | 2.5 | 0.28 | 0.50 | 0.5 | 0.10 | 7.5 | 0.50 | 1.1 | 0.6 | 0.25 | 25 |
| 71-99H-57 | 380747.02 | 6088073.86 | 1 | 3.6 | 170 | 13.9 | 2 | 5.0 | 25.0 | 1.19 | 2.00 | 0.5 | 0.40 | 29.0 | 0.05 | 4.1 | 3.7 | 1.30 | 25 |
| 71-99H-58 | 379201.36 | 6089481.35 | 1 | 0.3 | 210 | 8.7 | 1 | 3.0 | 7.0 | 0.41 | 0.50 | 0.5 | 0.26 | 7.5 | 0.05 | 1.3 | 1.1 | 0.25 | 25 |
| 71-99H-59 | 376870.52 | 6089445.37 | 1 | 2.3 | 320 | 18.1 | 2 | 5.0 | 40.0 | 1.62 | 3.00 | 3.0 | 0.64 | 64.0 | 0.05 | 6.0 | 5.9 | 1.60 | 77 |
| 71-99H-60 | 377624.11 | 6088152.06 | 1 | 0.3 | 25 | 16.1 | 1 | 0.5 | 2.5 | 0.16 | 0.50 | 0.5 | 0.03 | 7.5 | 0.20 | 0.5 | 0.1 | 0.25 | 25 |
| 71-99H-61 | 373483.58 | 6087490.54 | 1 | 3.0 | 25 | 36.0 | 1 | 2.0 | 2.5 | 0.30 | 0.50 | 0.5 | 0.06 | 7.5 | 0.05 | 1.2 | 1.1 | 0.25 | 25 |
| 71-99H-62 | 374649.11 | 6089718.54 | 1 | 3.0 | 25 | 27.9 | 4 | 0.5 | 2.5 | 0.32 | 1.00 | 0.5 | 0.18 | 7.5 | 0.20 | 1.8 | 3.0 | 6.10 | 25 |
| 71-99H-63 | 371851.38 | 6084985.15 | 1 | 5.6 | 140 | 11.0 | 4 | 5.0 | 12.0 | 0.69 | 0.50 | 0.5 | 0.13 | 7.5 | 0.40 | 2.8 | 3.4 | 0.25 | 25 |
| 71-99H-64 | 370818.75 | 6084894.62 | 1 | 5.2 | 100 | 10.8 | 3 | 4.0 | 21.0 | 0.84 | 0.50 | 0.5 | 0.23 | 36.0 | 0.30 | 2.7 | 3.2 | 0.25 | 25 |
| 71-99H-65 | 371421.23 | 6083690.52 | 1 | 3.3 | 25 | 10.6 | 2 | 8.0 | 12.0 | 0.43 | 0.50 | 15.0 | 0.15 | 7.5 | 0.30 | 1.3 | 1.0 | 0.25 | 25 |
| 71-99H-66 | 370239.75 | 6083375.40 | 1 | 2.1 | 110 | 20.1 | 6 | 7.0 | 2.5 | 0.28 | 0.50 | 0.5 | 0.05 | 7.5 | 0.05 | 0.8 | 0.7 | 0.25 | 25 |
| 71-99H-67 | 369512.90 | 6082951.85 | 1 | 3.5 | 110 | 12.8 | 4 | 8.0 | 17.0 | 0.79 | 0.50 | 0.5 | 0.10 | 7.5 | 0.30 | 2.3 | 3.0 | 0.25 | 25 |
| 71-99H-68 | 378482.32 | 6086547.36 | 1 | 6.4 | 25 | 10.3 | 2 | 11.0 | 25.0 | 1.39 | 0.50 | 0.5 | 0.32 | 66.0 | 0.60 | 4.7 | 4.4 | 0.25 | 170 |
| 71-99H-69 | 378901.57 | 6085104.21 | 1 | 6.5 | 320 | 9.3 | 1 | 9.0 | 31.0 | 1.89 | 2.00 | 0.5 | 0.39 | 7.5 | 0.05 | 5.9 | 7.2 | 0.25 | 107 |
| 71-99H-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1 | 1.4 | 110 | 18.4 | 4 | 6.0 | 2.5 | 0.46 | 0.50 | 0.5 | 0.17 | 7.5 | 0.05 | 1.7 | 1.3 | 0.25 | 25 |
| 71-99H-70-2 Field Duplicate | 377176.25 | 6084802.55 | 1 | 3.5 | 160 | 18.8 | 1 | 8.0 | 22.0 | 0.80 | 0.50 | 0.5 | 0.28 | 7.5 | 0.05 | 2.8 | 2.8 | 0.25 | 25 |
| 71-99H-71 | 375594.28 | 6084702.04 | 1 | 4.1 | 120 | 17.8 | 3 | 10.0 | 9.0 | 0.40 | 0.50 | 15.0 | 0.11 | 36.0 | 0.40 | 1.6 | 1.4 | 0.25 | 189 |
| 71-99H-72 | 370123.86 | 6085972.41 | 1 | 7.4 | 110 | 12.0 | 1 | 5.0 | 14.0 | 0.72 | 0.50 | 14.0 | 0.21 | 7.5 | 0.05 | 2.4 | 2.3 | 0.25 | 25 |
| 71-99H-73 | 370656.16 | 6087109.32 | 1 | 5.7 | 160 | 10.1 | 1 | 5.0 | 10.0 | 0.73 | 2.00 | 0.5 | 0.38 | 52.0 | 0.05 | 2.5 | 2.7 | 0.25 | 25 |
| 71-99H-74 | 368347.58 | 6082970.14 | 1 | 3.9 | 180 | 6.9 | 1 | 5.0 | 20.0 | 1.15 | 0.50 | 0.5 | 0.28 | 7.5 | 0.05 | 3.7 | 3.2 | 0.25 | 83 |
| 71-99H-75 | 367566.14 | 6083452.59 | 8 | 3.6 | 180 | 6.9 | 1 | 3.0 | 15.0 | 0.61 | 1.00 | 0.5 | 0.19 | 7.5 | 0.05 | 2.1 | 1.6 | 0.25 | 25 |
| 71-99H-76 | 366875.73 | 6082011.38 | 1 | 3.1 | 110 | 9.6 | 1 | 2.0 | 7.0 | 0.30 | 0.50 | 0.5 | 0.07 | 7.5 | 0.40 | 0.9 | 1.0 | 0.25 | 25 |
| 71-99H-77 | 366237.10 | 6081599.59 | 1 | 3.4 | 340 | 10.2 | 1 | 3.0 | 17.0 | 0.42 | 0.50 | 14.0 | 0.17 | 7.5 | 0.60 | 1.6 | 1.5 | 0.25 | 86 |
| 71-99H-78 | 368777.48 | 6081793.37 | 1 | 2.8 | 120 | 8.7 | 1 | 0.5 | 2.5 | 0.32 | 2.00 | 0.5 | 0.26 | 7.5 | 0.30 | 1.4 | 1.1 | 0.25 | 25 |
| 71-99H-79 | 369918.79 | 6081283.90 | 1 | 3.8 | 85 | 13.5 | 4 | 2.0 | 2.5 | 0.28 | 0.50 | 0.5 | 0.12 | 7.5 | 0.30 | 1.0 | 1.4 | 0.25 | 25 |
| 71-99H-80 | 371536.33 | 6081711.47 | 1 | 4.0 | 160 | 15.1 | 1 | 4.0 | 16.0 | 0.99 | 1.00 | 0.5 | 0.18 | 7.5 | 0.30 | 2.8 | 1.8 | 0.25 | 25 |
| 71-99H-81 | 370746.10 | 6087688.00 | 1 | 2.9 | 290 | 7.9 | 1 | 4.0 | 17.0 | 0.72 | 4.00 | 0.5 | 0.76 | 7.5 | 0.30 | 3.3 | 3.7 | 0.25 | 25 |
| 71-99H-82-1 Field Duplicate | 372516.50 | 6088851.06 | 1 | 1.8 | 150 | 23.2 | 4 | 3.0 | 6.0 | 0.43 | 0.50 | 5.0 | 0.10 | 7.5 | 0.05 | 1.2 | 1.5 | 4.80 | 25 |
| 71-99H-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1 | 1.6 | 130 | 22.3 | 6 | 2.0 | 2.5 | 0.43 | 1.00 | 4.0 | 0.13 | 7.5 | 0.05 | 1.3 | 1.5 | 4.30 | 25 |
| 71-99H-83 | 372026.99 | 6090288.56 | 1 | 3.0 | 220 | 8.3 | 3 | 6.0 | 12.0 | 0.66 | 1.00 | 2.0 | 0.44 | 7.5 | 0.40 | 2.6 | 2.9 | 0.25 | 25 |
| 71-99H-84 | 370517.90 | 6089778.24 | 1 | 3.9 | 91 | 20.3 | 5 | 0.5 | 7.0 | 0.24 | 0.50 | 4.0 | 0.06 | 7.5 | 0.10 | 0.7 | 0.9 | 5.70 | 25 |
| 71-99H-85 | 370224.45 | 6088963.94 | 1 | 2.6 | 210 | 12.5 | 3 | 3.0 | 16.0 | 0.68 | 2.00 | 3.0 | 0.60 | 40.0 | 0.05 | 2.6 | 2.8 | 1.90 | 50 |
| 71-99H-86 | 370086.72 | 6088310.03 | 1 | 3.7 | 160 | 13.5 | 3 | 3.0 | 10.0 | 0.60 | 0.50 | 0.5 | 0.17 | 40.0 | 0.20 | 1.4 | 1.6 | 0.25 | 72 |
| 71-99H-87 | 365628.38 | 6087349.81 | 1 | 3.2 | 250 | 10.7 | 3 | 14.0 | 11.0 | 0.69 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 2.6 | 3.2 | 0.25 | 67 |
| 71-99H-88 | 366652.68 | 6088345.47 | 1 | 3.3 | 110 | 10.2 | 3 | 5.0 | 13.0 | 0.60 | 0.50 | 0.5 | 0.12 | 7.5 | 0.30 | 1.7 | 2.0 | 0.25 | 25 |
| 71-99H-89 | 359762.87 | 6089860.45 | 1 | 4.3 | 100 | 10.4 | 1 | 3.0 | 2.5 | 0.45 | 0.50 | 0.5 | 0.10 | 7.5 | 0.30 | 1.5 | 1.6 | 0.25 | 25 |
| 71-99H-90 | 360419.16 | 6090713.89 | 1 | 3.2 | 160 | 15.5 | 1 | 1.0 | 2.5 | 0.31 | 0.50 | 0.5 | 0.19 | 7.5 | 0.50 | 1.3 | 0.7 | 0.25 | 25 |
| 71-99H-91 | 367854.62 | 6089411.77 | 1 | 4.0 | 260 | 13.9 | 1 | 3.0 | 2.5 | 0.23 | 0.50 | 1.0 | 0.13 | 7.5 | 0.05 | 1.0 | 0.1 | 0.25 | 25 |
| 71-99H-92 | 358969.17 | 6089064.02 | 1 | 52.4 | 70 | 95.7 | 1 | 9.0 | 2.5 | 8.12 | 0.50 | 0.5 | 0.02 | 7.5 | 0.05 | 0.4 | 0.9 | 0.25 | 91 |
| 71-99H-93 | 360817.18 | 6089935.46 | 1 | 3.1 | 270 | 11.4 | 3 | 3.0 | 6.0 | 0.30 | 0.50 | 0.5 | 0.06 | 7.5 | 0.20 | 1.0 | 1.6 | 0.25 | 25 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-94 | 361334.61 | 6088793.40 | 1 | 2.6 | 240 | 8.4 | 2 | 4.0 | 20.0 | 0.74 | 2.00 | 0.5 | 0.44 | 38.0 | 0.20 | 2.8 | 2.2 | 0.25 | 25 |
| 71-99H-95 | 359548.28 | 6088342.12 | 1 | 4.2 | 240 | 7.8 | 2 | 5.0 | 18.0 | 0.89 | 2.00 | 6.0 | 0.38 | 44.0 | 0.30 | 3.2 | 3.1 | 0.25 | 25 |
| 71-99H-96 | 360462.48 | 6087420.55 | 1 | 4.7 | 210 | 14.6 | 2 | 4.0 | 7.0 | 0.63 | 0.50 | 0.5 | 0.12 | 7.5 | 0.30 | 1.5 | 1.1 | 0.25 | 97 |
| 71-99H-97 | 361670.11 | 6088011.47 | 1 | 3.2 | 220 | 8.8 | 1 | 3.0 | 14.0 | 0.44 | 0.50 | 0.5 | 0.11 | 7.5 | 0.30 | 1.7 | 1.6 | 0.25 | 104 |
| 71-99H-98 | 360997.64 | 6086474.25 | 1 | 1.5 | 120 | 9.0 | 2 | 2.0 | 6.0 | 0.34 | 0.50 | 0.5 | 0.08 | 7.5 | 0.05 | 1.2 | 1.1 | 0.25 | 25 |
| 71-99H-99 | 366531.44 | 6089734.77 | 1 | 3.3 | 140 | 10.3 | 1 | 5.0 | 18.0 | 0.65 | 0.50 | 8.0 | 0.18 | 26.0 | 0.50 | 2.5 | 2.1 | 0.25 | 53 |
| 71-99H-100 | 365660.55 | 6089907.35 | 1 | 2.2 | 310 | 5.3 | 1 | 2.0 | 12.0 | 0.51 | 3.00 | 0.5 | 0.60 | 7.5 | 0.50 | 2.2 | 2.1 | 0.25 | 25 |
| 71-99H-101-1 Field Duplicate | 364004.46 | 6090265.61 | 1 | 2.2 | 300 | 6.2 | 1 | 5.0 | 14.0 | 0.76 | 1.00 | 0.5 | 0.30 | 7.5 | 0.40 | 2.8 | 2.2 | 0.25 | 51 |
| 71-99H-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1 | 1.7 | 25 | 6.3 | 1 | 2.0 | 2.5 | 0.35 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 1.1 | 0.7 | 0.25 | 54 |
| 71-99H-102 | 365042.73 | 6085719.91 | 1 | 3.7 | 25 | 15.1 | 1 | 3.0 | 9.0 | 0.51 | 0.50 | 0.5 | 0.15 | 7.5 | 0.40 | 1.6 | 1.0 | 0.25 | 25 |
| 71-99H-103 | 363623.14 | 6086658.21 | 1 | 2.3 | 160 | 5.8 | 1 | 4.0 | 14.0 | 0.74 | 0.50 | 0.5 | 0.19 | 26.0 | 0.20 | 2.8 | 1.9 | 0.25 | 25 |
| 71-99H-104 | 365252.32 | 6088140.42 | 1 | 3.0 | 25 | 12.9 | 3 | 3.0 | 8.0 | 0.38 | 0.50 | 0.5 | 0.07 | 7.5 | 0.20 | 1.4 | 1.7 | 0.25 | 25 |
| 71-99H-105 | 369243.39 | 6088065.28 | 1 | 1.5 | 330 | 22.0 | 5 | 3.0 | 10.0 | 0.67 | 0.50 | 0.5 | 0.10 | 27.0 | 0.05 | 2.2 | 2.5 | 4.80 | 25 |
| 71-99H-106 | 369259.00 | 6087478.80 | 1 | 2.7 | 190 | 9.7 | 5 | 3.0 | 12.0 | 0.72 | 2.00 | 0.5 | 0.27 | 21.0 | 0.40 | 2.5 | 2.1 | 0.60 | 25 |
| 71-99H-107 | 367342.33 | 6086563.25 | 1 | 2.2 | 25 | 21.8 | 6 | 2.0 | 6.0 | 0.28 | 0.50 | 0.5 | 0.05 | 7.5 | 0.05 | 0.8 | 1.3 | 1.30 | 25 |
| 71-99H-108 | 366150.70 | 6085252.06 | 1 | 3.4 | 140 | 8.5 | 3 | 3.0 | 11.0 | 0.44 | 1.00 | 0.5 | 0.13 | 7.5 | 0.40 | 1.6 | 1.4 | 1.60 | 25 |
| 71-99H-109 | 368585.13 | 6084340.09 | 1 | 1.7 | 270 | 8.9 | 3 | 4.0 | 11.0 | 0.60 | 0.50 | 0.5 | 0.13 | 23.0 | 0.20 | 2.2 | 3.0 | 0.25 | 25 |
| 71-99H-110 | 365361.78 | 6084343.39 | 1 | 3.3 | 370 | 9.5 | 3 | 5.0 | 14.0 | 0.87 | 1.00 | 0.5 | 0.15 | 30.0 | 0.05 | 3.0 | 4.5 | 0.25 | 25 |
| 71-99H-111 | 371414.93 | 6082844.68 | 1 | 4.3 | 180 | 9.0 | 1 | 3.0 | 15.0 | 0.57 | 1.00 | 0.5 | 0.29 | 27.0 | 0.20 | 2.3 | 2.3 | 0.25 | 25 |
| 71-99H-112 | 373206.39 | 6082560.89 | 1 | 1.5 | 150 | 5.2 | 2 | 2.0 | 2.5 | 0.40 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.5 | 0.8 | 0.25 | 131 |
| 71-99H-113 | 374372.83 | 6082434.83 | 1 | 1.9 | 120 | 6.7 | 1 | 1.0 | 2.5 | 0.15 | 0.50 | 0.5 | 0.04 | 7.5 | 0.10 | 0.4 | 0.8 | 0.25 | 25 |
| 71-99H-114 | 375612.85 | 6082701.79 | 1 | 2.9 | 150 | 14.7 | 1 | 1.0 | 2.5 | 0.24 | 0.50 | 0.5 | 0.04 | 7.5 | 0.20 | 0.7 | 1.0 | 0.25 | 54 |
| 71-99H-115 | 376837.58 | 6083283.99 | 1 | 2.4 | 170 | 16.1 | 5 | 2.0 | 13.0 | 0.60 | 0.50 | 0.5 | 0.09 | 7.5 | 0.05 | 1.8 | 3.0 | 1.70 | 25 |
| 71-99H-116 | 376836.61 | 6082259.30 | 1 | 3.3 | 100 | 12.5 | 3 | 3.0 | 2.5 | 0.31 | 0.50 | 0.5 | 0.07 | 7.5 | 0.30 | 1.0 | 1.1 | 0.25 | 112 |
| 71-99H-117 | 377727.45 | 6082617.72 | 1 | 1.8 | 100 | 9.2 | 2 | 5.0 | 11.0 | 0.36 | 0.50 | 0.5 | 0.09 | 7.5 | 0.05 | 1.0 | 1.0 | 0.25 | 25 |
| 71-99H-118 | 380435.24 | 6082526.84 | 1 | 2.5 | 100 | 8.4 | 1 | 5.0 | 9.0 | 0.50 | 0.50 | 0.5 | 0.12 | 7.5 | 0.40 | 1.8 | 1.6 | 0.25 | 25 |
| 71-99H-119 | 382085.70 | 6083046.21 | 1 | 2.4 | 360 | 4.1 | 1 | 5.0 | 25.0 | 1.02 | 4.00 | 0.5 | 1.15 | 28.0 | 0.20 | 3.0 | 3.4 | 0.25 | 25 |
| 71-99H-120 | 356959.53 | 6089846.66 | 1 | 3.8 | 100 | 9.8 | 2 | 7.0 | 2.5 | 0.50 | 0.50 | 6.0 | 0.13 | 7.5 | 0.60 | 2.2 | 2.0 | 0.25 | 62 |
| 71-99H-121 | 356420.52 | 6088346.81 | 1 | 2.6 | 160 | 6.9 | 1 | 4.0 | 7.0 | 0.50 | 0.50 | 0.5 | 0.20 | 7.5 | 0.40 | 2.0 | 1.5 | 0.25 | 25 |
| 71-99H-122 | 355531.65 | 6086917.04 | 1 | 2.2 | 120 | 6.8 | 1 | 4.0 | 8.0 | 0.38 | 0.50 | 0.5 | 0.10 | 7.5 | 0.20 | 1.5 | 0.9 | 0.25 | 25 |
| 71-99H-123 | 357174.69 | 6086097.90 | 1 | 1.8 | 180 | 6.8 | 1 | 5.0 | 14.0 | 0.59 | 0.50 | 0.5 | 0.17 | 24.0 | 0.20 | 2.1 | 1.6 | 0.25 | 25 |
| 71-99H-124-1 Field Duplicate | 362147.22 | 6090729.66 | 1 | 1.5 | 100 | 15.3 | 6 | 4.0 | 7.0 | 0.29 | 0.50 | 0.5 | 0.07 | 7.5 | 0.10 | 1.1 | 1.2 | 1.90 | 25 |
| 71-99H-124-2 Field Duplicate | 362147.22 | 6090729.66 | 1 | 1.0 | 74 | 18.1 | 6 | 3.0 | 2.5 | 0.15 | 0.50 | 0.5 | 0.04 | 7.5 | 0.05 | 0.6 | 0.4 | 1.10 | 25 |
| 71-99H-125 | 362574.30 | 6088793.60 | 1 | 2.8 | 160 | 7.4 | 4 | 6.0 | 15.0 | 0.78 | 1.00 | 0.5 | 0.26 | 32.0 | 0.30 | 3.1 | 3.5 | 0.25 | 25 |
| 71-99H-126 | 359632.73 | 6085112.70 | 1 | 2.6 | 120 | 11.6 | 4 | 4.0 | 11.0 | 0.50 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.6 | 1.8 | 2.20 | 25 |
| 71-99H-127 | 359088.91 | 6087067.02 | 1 | 7.0 | 160 | 4.3 | 1 | 7.0 | 2.5 | 0.52 | 0.50 | 1.0 | 0.16 | 7.5 | 0.05 | 2.0 | 1.7 | 0.25 | 79 |
| 71-99H-129 | 354975.32 | 6089429.73 | 1 | 1.5 | 50 | 21.3 | 6 | 6.0 | 2.5 | 0.21 | 0.50 | 5.0 | 0.05 | 7.5 | 0.20 | 0.8 | 0.1 | 2.50 | 25 |
| 71-99H-130 | 358359.43 | 6088287.11 | 1 | 4.6 | 120 | 39.2 | 1 | 7.0 | 2.5 | 0.23 | 0.50 | 1.0 | 0.02 | 7.5 | 0.05 | 0.4 | 0.1 | 0.25 | 25 |
| 71-99H-131 | 356359.18 | 6084946.56 | 1 | 3.5 | 110 | 7.3 | 3 | 6.0 | 11.0 | 0.52 | 0.50 | 1.0 | 0.12 | 7.5 | 0.30 | 1.9 | 2.3 | 0.25 | 25 |
| 71-99H-132 | 352858.25 | 6086503.69 | 1 | 2.9 | 370 | 13.5 | 1 | 11.0 | 51.0 | 2.27 | 2.00 | 0.5 | 0.33 | 77.0 | 0.05 | 6.9 | 7.8 | 3.10 | 25 |
| 71-99H-133 | 350961.55 | 6085671.72 | 1 | 3.7 | 93 | 21.8 | 1 | 7.0 | 8.0 | 0.39 | 0.50 | 0.5 | 0.07 | 7.5 | 0.05 | 1.5 | 1.9 | 2.70 | 25 |
| 71-99H-134 | 353845.36 | 6085793.03 | 1 | 5.1 | 200 | 10.3 | 1 | 9.0 | 12.0 | 0.61 | 0.50 | 1.0 | 0.15 | 7.5 | 0.05 | 2.3 | 2.5 | 0.25 | 25 |
| 71-99H-135 | 354883.31 | 6084079.64 | 1 | 4.5 | 240 | 10.9 | 3 | 9.0 | 2.5 | 0.39 | 0.50 | 1.0 | 0.07 | 7.5 | 0.05 | 1.1 | 1.7 | 0.25 | 88 |
| 71-99H-136 | 349567.90 | 6083833.12 | 1 | 2.7 | 180 | 9.5 | 1 | 7.0 | 9.0 | 0.44 | 0.50 | 1.0 | 0.14 | 7.5 | 0.70 | 1.9 | 1.9 | 0.25 | 93 |
| 71-99H-137 | 351850.75 | 6084320.15 | 1 | 0.3 | 90 | 14.2 | 7 | 7.0 | 10.0 | 0.49 | 0.50 | 1.0 | 0.05 | 7.5 | 0.05 | 1.3 | 2.0 | 0.25 | 25 |
| 71-99H-138 | 352071.35 | 6085574.59 | 1 | 2.1 | 250 | 17.3 | 3 | 8.0 | 38.0 | 1.62 | 1.00 | 13.0 | 0.26 | 64.0 | 0.30 | 5.6 | 6.8 | 0.25 | 25 |
| 71-99H-139 | 357564.78 | 6084160.24 | 1 | 0.3 | 220 | 5.9 | 1 | 7.0 | 16.0 | 0.81 | 0.50 | 0.5 | 0.25 | 7.5 | 0.40 | 3.0 | 2.8 | 1.60 | 70 |
| 71-99H-140 | 363864.01 | 6082169.82 | 1 | 0.3 | 160 | 17.6 | 5 | 6.0 | 12.0 | 0.77 | 0.50 | 0.5 | 0.15 | 7.5 | 0.05 | 2.5 | 3.0 | 9.10 | 88 |
| 71-99H-141-1 Field Duplicate | 362142.99 | 6084076.48 | 5 | 3.9 | 190 | 9.5 | 2 | 9.0 | 25.0 | 1.24 | 1.00 | 0.5 | 0.31 | 42.0 | 0.05 | 4.0 | 3.2 | 0.25 | 115 |
| 71-99H-141-2 Field Duplicate | 362142.99 | 6084076.48 | 1 | 4.0 | 150 | 3.8 | 1 | 4.0 | 10.0 | 0.44 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 1.4 | 1.2 | 0.25 | 25 |
| 71-99H-142 | 361255.11 | 6081288.51 | 1 | 5.1 | 150 | 9.3 | 1 | 6.0 | 5.0 | 0.42 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.8 | 0.1 | 0.25 | 25 |
| 71-99H-143 | 362408.96 | 6082666.92 | 1 | 4.3 | 200 | 11.5 | 4 | 7.0 | 30.0 | 1.44 | 0.50 | 0.5 | 0.16 | 26.0 | 0.40 | 4.1 | 5.5 | 2.80 | 25 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-144 | 365789.89 | 6083994.83 | 1 | 0.3 | 120 | 8.0 | 4 | 6.0 | 10.0 | 0.52 | 0.50 | 2.0 | 0.11 | 7.5 | 0.05 | 1.8 | 2.4 | 0.25 | 25 |
| 71-99H-145 | 365012.13 | 6082425.90 | 1 | 1.9 | 170 | 18.3 | 3 | 4.0 | 12.0 | 0.61 | 3.00 | 2.0 | 0.46 | 7.5 | 0.20 | 2.4 | 2.2 | 1.70 | 25 |
| 71-99H-146 | 388300.25 | 6089844.48 | 1 | 0.3 | 25 | 25.2 | 3 | 5.0 | 2.5 | 0.13 | 0.50 | 0.5 | 0.02 | 7.5 | 0.05 | 0.6 | 0.8 | 0.25 | 25 |
| 71-99H-147 | 382347.59 | 6086399.71 | 1 | 2.5 | 290 | 6.5 | 1 | 5.0 | 15.0 | 0.54 | 0.50 | 0.5 | 0.18 | 7.5 | 0.30 | 1.9 | 1.9 | 0.25 | 25 |
| 71-99H-148 | 373091.61 | 6084449.15 | 1 | 3.3 | 150 | 6.0 | 1 | 5.0 | 11.0 | 0.57 | 0.50 | 0.5 | 0.16 | 7.5 | 0.05 | 1.7 | 2.0 | 1.20 | 25 |
| 71-99H-149 | 370525.75 | 6084197.53 | 1 | 3.0 | 220 | 10.5 | 1 | 5.0 | 10.0 | 0.68 | 1.00 | 0.5 | 0.39 | 25.0 | 0.30 | 2.8 | 2.8 | 1.70 | 77 |
| 71-99H-150 | 378340.48 | 6088920.71 | 1 | 2.9 | 150 | 13.5 | 4 | 4.0 | 6.0 | 0.47 | 1.00 | 0.5 | 0.25 | 7.5 | 0.05 | 2.1 | 2.0 | 0.25 | 25 |
| 71-99H-151 | 379171.14 | 6087918.37 | 1 | 1.6 | 210 | 19.6 | 5 | 5.0 | 19.0 | 0.83 | 2.00 | 1.0 | 0.39 | 7.5 | 0.20 | 3.2 | 3.4 | 1.90 | 25 |
| 71-99H-152 | 375414.93 | 6088856.96 | 1 | 2.1 | 120 | 20.3 | 6 | 3.0 | 2.5 | 0.20 | 0.50 | 0.5 | 0.04 | 7.5 | 0.05 | 0.7 | 0.9 | 5.70 | 25 |
| 71-99H-153 | 375984.68 | 6087777.88 | 1 | 2.4 | 160 | 9.4 | 5 | 8.0 | 13.0 | 1.69 | 0.50 | 0.5 | 0.18 | 7.5 | 0.05 | 3.0 | 3.8 | 10.80 | 25 |
| 71-99H-154 | 376668.36 | 6087121.26 | 1 | 2.5 | 170 | 10.8 | 1 | 4.0 | 2.5 | 0.30 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.3 | 1.5 | 0.25 | 75 |
| 71-99H-155 | 375877.60 | 6086516.58 | 1 | 2.9 | 120 | 7.4 | 1 | 4.0 | 2.5 | 0.40 | 0.50 | 0.5 | 0.30 | 27.0 | 0.30 | 1.6 | 1.5 | 0.25 | 25 |
| 71-99H-156 | 373995.52 | 6086125.05 | 1 | 2.8 | 230 | 11.5 | 2 | 5.0 | 14.0 | 0.44 | 1.00 | 0.5 | 0.28 | 7.5 | 0.30 | 1.9 | 1.5 | 0.25 | 79 |
| 71-99H-157 | 372027.71 | 6087027.04 | 1 | 1.0 | 140 | 62.4 | 6 | 1.0 | 2.5 | 0.15 | 0.50 | 0.5 | 0.04 | 7.5 | 0.20 | 0.3 | 0.7 | 0.25 | 25 |
| 71-99H-201 | 371334.99 | 6079065.23 | 1 | 1.5 | 350 | 19.7 | 1 | 2.0 | 7.0 | 0.29 | 0.50 | 0.5 | 0.10 | 7.5 | 0.30 | 1.0 | 0.1 | 0.25 | 61 |
| 71-99H-202 | 370612.18 | 6078749.88 | 1 | 3.7 | 180 | 8.8 | 1 | 6.0 | 12.0 | 0.62 | 0.50 | 0.5 | 0.18 | 7.5 | 0.50 | 2.0 | 1.1 | 0.25 | 25 |
| 71-99H-203 | 369733.49 | 6079116.31 | 1 | 3.0 | 140 | 18.3 | 4 | 5.0 | 10.0 | 0.77 | 0.50 | 0.5 | 0.14 | 7.5 | 0.05 | 3.2 | 4.8 | 0.25 | 25 |
| 71-99H-204 | 368745.75 | 6078704.52 | 1 | 3.5 | 70 | 17.8 | 1 | 6.0 | 2.5 | 0.24 | 0.50 | 0.5 | 0.08 | 7.5 | 0.50 | 0.9 | 1.0 | 0.25 | 72 |
| 71-99H-205 | 367736.72 | 6078107.25 | 1 | 3.3 | 110 | 13.1 | 1 | 5.0 | 2.5 | 0.40 | 0.50 | 0.5 | 0.10 | 7.5 | 0.60 | 2.0 | 3.2 | 0.25 | 66 |
| 71-99H-206 | 366185.42 | 6077629.58 | 1 | 4.2 | 210 | 14.1 | 1 | 10.0 | 17.0 | 1.14 | 0.50 | 0.5 | 0.15 | 7.5 | 0.05 | 4.1 | 6.2 | 0.25 | 25 |
| 71-99H-207 | 370205.14 | 6080422.95 | 1 | 4.5 | 140 | 12.2 | 1 | 4.0 | 8.0 | 0.52 | 0.50 | 0.5 | 0.10 | 7.5 | 0.40 | 1.8 | 1.3 | 0.25 | 25 |
| 71-99H-208 | 365599.84 | 6076900.47 | 1 | 5.3 | 120 | 12.4 | 1 | 4.0 | 7.0 | 0.44 | 0.50 | 0.5 | 0.14 | 7.5 | 0.20 | 1.7 | 1.5 | 0.25 | 25 |
| 71-99H-209 | 367275.47 | 6079004.52 | 1 | 3.3 | 150 | 13.4 | 2 | 6.0 | 2.5 | 0.60 | 0.50 | 0.5 | 0.11 | 7.5 | 0.30 | 2.6 | 4.4 | 0.25 | 25 |
| 71-99H-210 | 367991.68 | 6079460.20 | 1 | 3.9 | 160 | 11.8 | 2 | 4.0 | 13.0 | 0.74 | 0.50 | 0.5 | 0.16 | 26.0 | 0.50 | 2.8 | 3.7 | 0.25 | 25 |
| 71-99H-211 | 368856.57 | 6080449.74 | 1 | 3.8 | 100 | 11.9 | 1 | 3.0 | 7.0 | 0.30 | 0.50 | 0.5 | 0.08 | 7.5 | 0.30 | 0.9 | 0.6 | 0.25 | 53 |
| 71-99H-212 | 367569.80 | 6080402.33 | 1 | 4.7 | 200 | 15.1 | 1 | 7.0 | 21.0 | 1.14 | 0.50 | 0.5 | 0.13 | 7.5 | 0.40 | 3.3 | 5.0 | 0.25 | 25 |
| 71-99H-213 | 365183.13 | 6079542.10 | 1 | 2.5 | 120 | 13.0 | 1 | 6.0 | 7.0 | 0.40 | 0.50 | 0.5 | 0.07 | 7.5 | 0.30 | 1.8 | 2.0 | 0.25 | 25 |
| 71-99H-214 | 360603.87 | 6076390.98 | 1 | 2.6 | 100 | 24.9 | 5 | 3.0 | 2.5 | 0.19 | 0.50 | 0.5 | 0.03 | 7.5 | 0.05 | 0.7 | 0.8 | 4.10 | 25 |
| 71-99H-215 | 360976.40 | 6074963.41 | 1 | 3.2 | 100 | 9.2 | 1 | 4.0 | 9.0 | 0.26 | 0.50 | 0.5 | 0.08 | 7.5 | 0.30 | 0.8 | 0.1 | 0.25 | 25 |
| 71-99H-216 | 360316.32 | 6077803.64 | 1 | 4.0 | 100 | 11.3 | 1 | 5.0 | 10.0 | 0.57 | 0.50 | 0.5 | 0.10 | 7.5 | 0.40 | 2.3 | 3.6 | 0.25 | 25 |
| 71-99H-217 | 359631.41 | 6079022.59 | 1 | 1.7 | 180 | 25.7 | 3 | 7.0 | 14.0 | 0.74 | 0.50 | 0.5 | 0.13 | 39.0 | 0.30 | 2.5 | 3.0 | 0.25 | 123 |
| 71-99H-218 | 363444.79 | 6074383.10 | 1 | 3.8 | 190 | 7.3 | 3 | 5.0 | 23.0 | 1.08 | 0.50 | 0.5 | 0.25 | 30.0 | 0.50 | 3.6 | 3.5 | 0.25 | 25 |
| 71-99H-219-1 Field Duplicate | 367825.77 | 6068425.98 | 4 | 2.9 | 220 | 8.7 | 2 | 7.0 | 24.0 | 1.24 | 0.50 | 0.5 | 0.17 | 38.0 | 0.20 | 4.5 | 4.9 | 0.25 | 25 |
| 71-99H-219-2 Field Duplicate | 367825.77 | 6068425.98 | 5 | 2.5 | 300 | 7.9 | 2 | 7.0 | 28.0 | 1.64 | 0.50 | 0.5 | 0.19 | 42.0 | 0.30 | 4.9 | 5.1 | 0.25 | 25 |
| 71-99H-220 | 368431.98 | 6067452.60 | 1 | 0.3 | 130 | 7.5 | 1 | 5.0 | 9.0 | 0.18 | 0.50 | 0.5 | 0.08 | 7.5 | 0.30 | 0.8 | 0.6 | 0.25 | 25 |
| 71-99H-221 | 360246.41 | 6081552.52 | 1 | 3.2 | 120 | 7.7 | 1 | 5.0 | 9.0 | 0.47 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.6 | 1.5 | 0.25 | 25 |
| 71-99H-222 | 356447.39 | 6083211.54 | 1 | 1.5 | 150 | 21.5 | 6 | 5.0 | 10.0 | 0.49 | 0.50 | 2.0 | 0.10 | 7.5 | 0.05 | 2.1 | 4.1 | 3.40 | 25 |
| 71-99H-223 | 355505.67 | 6083205.01 | 1 | 1.5 | 25 | 8.5 | 1 | 4.0 | 6.0 | 0.21 | 0.50 | 0.5 | 0.06 | 7.5 | 0.30 | 0.8 | 0.4 | 0.25 | 58 |
| 71-99H-224 | 350117.78 | 6081716.84 | 1 | 0.3 | 120 | 7.2 | 1 | 4.0 | 7.0 | 0.33 | 0.50 | 0.5 | 0.11 | 31.0 | 0.40 | 1.3 | 1.5 | 0.25 | 25 |
| 71-99H-225-1 Field Duplicate | 350702.40 | 6083206.61 | 1 | 2.1 | 160 | 27.9 | 4 | 5.0 | 19.0 | 0.90 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 3.0 | 4.7 | 1.90 | 25 |
| 71-99H-225-2 Field Duplicate | 350702.40 | 6083206.61 | 1 | 1.7 | 25 | 18.0 | 4 | 3.0 | 2.5 | 0.10 | 0.50 | 0.5 | 0.02 | 7.5 | 0.05 | 0.2 | 0.3 | 1.20 | 63 |
| 71-99H-226 | 354277.47 | 6083205.79 | 1 | 0.3 | 89 | 6.4 | 1 | 5.0 | 2.5 | 0.20 | 0.50 | 0.5 | 0.09 | 7.5 | 0.20 | 0.8 | 0.5 | 0.25 | 56 |
| 71-99H-227 | 355381.59 | 6075600.60 | 1 | 1.5 | 170 | 8.1 | 1 | 5.0 | 2.5 | 0.27 | 1.00 | 0.5 | 0.12 | 7.5 | 0.30 | 1.2 | 0.1 | 0.25 | 63 |
| 71-99H-228 | 353986.25 | 6074843.74 | 1 | 0.3 | 170 | 10.6 | 1 | 6.0 | 18.0 | 0.96 | 0.50 | 0.5 | 0.11 | 7.5 | 0.30 | 2.9 | 3.2 | 0.25 | 60 |
| 71-99H-229 | 353511.14 | 6076295.59 | 1 | 2.6 | 230 | 14.2 | 3 | 7.0 | 25.0 | 1.27 | 1.00 | 0.5 | 0.25 | 22.0 | 0.30 | 3.9 | 4.6 | 3.30 | 25 |
| 71-99H-230-1 Field Duplicate | 355405.44 | 6076684.24 | 1 | 4.3 | 120 | 10.6 | 1 | 5.0 | 7.0 | 0.24 | 0.50 | 0.5 | 0.06 | 7.5 | 0.30 | 0.7 | 0.6 | 0.25 | 91 |
| 71-99H-230-2 Field Duplicate | 355405.44 | 6076684.24 | 1 | 3.0 | 180 | 11.1 | 1 | 5.0 | 10.0 | 0.46 | 0.50 | 0.5 | 0.13 | 7.5 | 0.30 | 1.9 | 1.6 | 0.25 | 25 |
| 71-99H-231 | 352016.78 | 6076101.86 | 1 | 3.3 | 160 | 5.2 | 1 | 7.0 | 7.0 | 0.57 | 1.00 | 0.5 | 0.14 | 7.5 | 0.60 | 2.5 | 2.4 | 0.25 | 25 |
| 71-99H-232 | 353290.64 | 6078687.59 | 1 | 0.3 | 150 | 7.9 | 1 | 6.0 | 14.0 | 0.60 | 0.50 | 0.5 | 0.12 | 7.5 | 0.30 | 2.2 | 1.7 | 0.25 | 25 |
| 71-99H-233 | 353080.39 | 6072997.78 | 1 | 7.5 | 120 | 11.3 | 1 | 2.0 | 2.5 | 0.38 | 0.50 | 0.5 | 0.14 | 7.5 | 0.80 | 1.2 | 0.1 | 0.25 | 73 |
| 71-99H-234 | 352085.67 | 6071913.45 | 1 | 9.7 | 100 | 9.0 | 1 | 4.0 | 18.0 | 0.40 | 1.00 | 0.5 | 0.17 | 7.5 | 0.70 | 1.2 | 0.1 | 0.25 | 25 |
| 71-99H-235 | 352971.33 | 6071021.91 | 1 | 9.0 | 110 | 14.1 | 1 | 4.0 | 2.5 | 0.55 | 1.00 | 0.5 | 0.13 | 33.0 | 0.60 | 1.7 | 0.1 | 0.25 | 25 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-236 | 375222.72 | 6068829.48 | 1 | 4.4 | 120 | 20.6 | 1 | 2.0 | 2.5 | 0.36 | 0.50 | 0.5 | 0.14 | 7.5 | 0.30 | 1.3 | 1.2 | 0.25 | 25 |
| 71-99H-237 | 373322.15 | 6067669.32 | 1 | 8.7 | 280 | 11.2 | 1 | 4.0 | 20.0 | 0.96 | 0.50 | 0.5 | 0.23 | 36.0 | 0.50 | 3.0 | 2.3 | 0.25 | 25 |
| 71-99H-238 | 372452.18 | 6069244.38 | 1 | 15.1 | 250 | 10.6 | 1 | 4.0 | 11.0 | 0.44 | 0.50 | 1.0 | 0.11 | 7.5 | 0.50 | 1.3 | 0.1 | 0.25 | 25 |
| 71-99H-239 | 368922.50 | 6069508.74 | 1 | 9.3 | 130 | 9.4 | 1 | 3.0 | 9.0 | 0.50 | 0.50 | 0.5 | 0.12 | 30.0 | 0.30 | 1.7 | 1.6 | 0.25 | 80 |
| 71-99H-240 | 370909.02 | 6070515.51 | 1 | 9.3 | 190 | 17.6 | 4 | 3.0 | 15.0 | 0.81 | 1.00 | 0.5 | 0.18 | 7.5 | 0.50 | 3.1 | 4.4 | 4.10 | 25 |
| 71-99H-241 | 372758.61 | 6071129.61 | 1 | 7.3 | 160 | 9.4 | 1 | 3.0 | 12.0 | 0.75 | 2.00 | 0.5 | 0.29 | 7.5 | 0.05 | 2.3 | 1.5 | 0.25 | 83 |
| 71-99H-242 | 370633.94 | 6066046.81 | 1 | 7.1 | 150 | 17.8 | 1 | 5.0 | 14.0 | 0.50 | 1.00 | 0.5 | 0.37 | 7.5 | 0.05 | 2.5 | 0.1 | 2.10 | 25 |
| 71-99H-243 | 373883.08 | 6066058.33 | 1 | 7.9 | 100 | 16.7 | 2 | 4.0 | 12.0 | 0.60 | 1.00 | 0.5 | 0.18 | 7.5 | 0.50 | 2.1 | 1.8 | 0.25 | 67 |
| 71-99H-244 | 374717.33 | 6075559.23 | 1 | 4.9 | 100 | 13.8 | 3 | 3.0 | 2.5 | 0.63 | 1.00 | 0.5 | 0.12 | 7.5 | 0.50 | 1.8 | 1.8 | 0.25 | 62 |
| 71-99H-245 | 373013.86 | 6074903.92 | 1 | 7.2 | 90 | 9.0 | 1 | 3.0 | 2.5 | 0.38 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.2 | 0.7 | 0.25 | 25 |
| 71-99H-246 | 375209.93 | 6072610.07 | 1 | 13.9 | 25 | 10.6 | 1 | 2.0 | 9.0 | 0.33 | 0.50 | 0.5 | 0.09 | 7.5 | 0.70 | 1.0 | 0.3 | 0.25 | 25 |
| 71-99H-247 | 367223.27 | 6077159.70 | 1 | 9.3 | 220 | 10.6 | 1 | 4.0 | 16.0 | 0.96 | 0.50 | 0.5 | 0.16 | 26.0 | 0.50 | 3.1 | 3.3 | 1.10 | 25 |
| 71-99H-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1 | 8.4 | 110 | 15.0 | 1 | 3.0 | 11.0 | 0.54 | 0.50 | 0.5 | 0.19 | 7.5 | 0.50 | 1.9 | 2.0 | 0.25 | 25 |
| 71-99H-248-2 Field Duplicate | 363998.87 | 6080166.06 | 1 | 7.7 | 100 | 17.8 | 2 | 2.0 | 8.0 | 0.50 | 0.50 | 0.5 | 0.14 | 7.5 | 0.40 | 1.6 | 1.0 | 0.25 | 57 |
| 71-99H-249 | 366434.90 | 6080165.02 | 1 | 7.8 | 200 | 9.0 | 1 | 3.0 | 9.0 | 0.48 | 0.50 | 0.5 | 0.17 | 7.5 | 0.60 | 1.8 | 1.2 | 0.25 | 25 |
| 71-99H-250 | 365625.09 | 6080983.27 | 3 | 11.6 | 100 | 9.4 | 2 | 3.0 | 2.5 | 0.40 | 0.50 | 0.5 | 0.08 | 7.5 | 0.30 | 1.5 | 1.5 | 0.90 | 25 |
| 71-99H-251 | 369454.61 | 6077674.80 | 1 | 11.4 | 96 | 13.7 | 1 | 2.0 | 2.5 | 0.33 | 0.50 | 0.5 | 0.09 | 7.5 | 0.60 | 1.2 | 0.9 | 0.25 | 25 |
| 71-99H-252 | 370212.70 | 6077226.07 | 1 | 6.9 | 80 | 8.9 | 1 | 2.0 | 2.5 | 0.27 | 0.50 | 0.5 | 0.09 | 7.5 | 0.50 | 0.9 | 0.9 | 0.25 | 87 |
| 71-99H-253 | 369727.62 | 6076391.19 | 1 | 6.6 | 240 | 8.2 | 1 | 3.0 | 8.0 | 0.40 | 0.50 | 0.5 | 0.11 | 18.0 | 0.30 | 1.4 | 1.2 | 0.25 | 25 |
| 71-99H-254 | 369294.01 | 6075027.52 | 1 | 5.7 | 230 | 17.5 | 4 | 9.0 | 14.0 | 1.24 | 1.00 | 2.0 | 0.17 | 29.0 | 0.60 | 5.8 | 8.4 | 0.25 | 25 |
| 71-99H-255 | 369082.74 | 6074188.19 | 1 | 5.1 | 150 | 11.1 | 1 | 4.0 | 11.0 | 0.81 | 1.00 | 6.0 | 0.20 | 25.0 | 0.70 | 3.3 | 3.3 | 0.25 | 25 |
| 71-99H-256 | 372073.59 | 6075860.94 | 1 | 4.6 | 140 | 11.4 | 1 | 2.0 | 14.0 | 0.54 | 0.50 | 0.5 | 0.19 | 7.5 | 0.60 | 2.1 | 1.9 | 0.25 | 25 |
| 71-99H-257 | 370578.92 | 6075052.05 | 1 | 6.0 | 150 | 14.6 | 1 | 2.0 | 9.0 | 0.36 | 0.50 | 0.5 | 0.12 | 24.0 | 0.40 | 1.2 | 0.8 | 0.25 | 51 |
| 71-99H-258 | 368572.08 | 6072950.08 | 1 | 7.7 | 160 | 9.3 | 1 | 2.0 | 11.0 | 0.46 | 0.50 | 0.5 | 0.15 | 7.5 | 0.60 | 1.8 | 1.5 | 0.25 | 85 |
| 71-99H-259 | 367901.42 | 6074827.37 | 1 | 7.9 | 110 | 8.6 | 1 | 2.0 | 9.0 | 0.55 | 0.50 | 0.5 | 0.15 | 7.5 | 0.40 | 1.9 | 1.8 | 0.25 | 25 |
| 71-99H-260 | 359223.52 | 6069883.78 | 1 | 8.8 | 150 | 8.7 | 1 | 2.0 | 9.0 | 0.36 | 0.50 | 0.5 | 0.10 | 27.0 | 0.40 | 1.1 | 0.8 | 0.25 | 68 |
| 71-99H-261 | 360063.93 | 6069315.74 | 5 | 5.0 | 170 | 22.0 | 6 | 4.0 | 15.0 | 0.64 | 1.00 | 0.5 | 0.24 | 7.5 | 0.30 | 2.2 | 2.9 | 1.40 | 25 |
| 71-99H-262 | 355969.59 | 6070935.17 | 1 | 7.1 | 100 | 20.7 | 5 | 2.0 | 13.0 | 0.42 | 0.50 | 3.0 | 0.13 | 21.0 | 0.20 | 1.4 | 1.6 | 1.70 | 25 |
| 71-99H-263 | 357994.39 | 6070646.49 | 1 | 5.8 | 210 | 18.8 | 3 | 6.0 | 41.0 | 1.89 | 2.00 | 0.5 | 0.23 | 46.0 | 0.20 | 5.5 | 6.3 | 1.40 | 25 |
| 71-99H-264 | 360989.77 | 6069149.40 | 1 | 4.4 | 150 | 11.3 | 2 | 3.0 | 14.0 | 0.59 | 0.50 | 0.5 | 0.19 | 7.5 | 0.30 | 2.2 | 1.9 | 0.25 | 25 |
| 71-99H-265 | 361329.67 | 6072980.83 | 1 | 5.3 | 180 | 18.2 | 1 | 2.0 | 10.0 | 0.40 | 1.00 | 0.5 | 0.13 | 18.0 | 0.50 | 1.4 | 1.1 | 0.25 | 25 |
| 71-99H-266 | 363559.03 | 6071022.97 | 1 | 4.9 | 260 | 10.4 | 3 | 3.0 | 16.0 | 0.82 | 2.00 | 0.5 | 0.30 | 7.5 | 0.50 | 2.8 | 2.5 | 0.25 | 25 |
| 71-99H-267 | 377020.28 | 6069882.33 | 1 | 3.1 | 150 | 6.8 | 1 | 2.0 | 7.0 | 0.39 | 0.50 | 5.0 | 0.12 | 7.5 | 0.50 | 1.6 | 1.4 | 0.25 | 71 |
| 71-99H-268 | 379044.14 | 6070599.95 | 2 | 5.0 | 150 | 12.4 | 2 | 2.0 | 11.0 | 0.37 | 1.00 | 0.5 | 0.17 | 7.5 | 0.30 | 1.4 | 1.0 | 0.25 | 25 |
| 71-99H-269 | 376364.81 | 6071760.41 | 1 | 6.1 | 80 | 8.5 | 1 | 1.0 | 8.0 | 0.29 | 0.50 | 0.5 | 0.12 | 19.0 | 0.20 | 1.0 | 0.8 | 0.25 | 25 |
| 71-99H-270 | 377781.24 | 6066042.44 | 1 | 5.1 | 170 | 19.6 | 3 | 3.0 | 21.0 | 1.18 | 1.00 | 0.5 | 0.12 | 30.0 | 0.30 | 3.3 | 3.4 | 1.90 | 79 |
| 71-99H-271 | 383858.83 | 6067703.50 | 9 | 6.9 | 140 | 10.2 | 1 | 2.0 | 16.0 | 0.39 | 1.00 | 0.5 | 0.18 | 7.5 | 0.50 | 1.5 | 1.0 | 0.25 | 121 |
| 71-99H-272 | 384102.61 | 6068885.27 | 1 | 6.5 | 70 | 14.2 | 1 | 2.0 | 36.0 | 0.34 | 0.50 | 0.5 | 0.09 | 7.5 | 0.30 | 1.0 | 0.9 | 0.25 | 130 |
| 71-99H-273 | 380547.15 | 6070612.20 | 1 | 8.0 | 70 | 13.5 | 1 | 2.0 | 35.0 | 0.33 | 0.50 | 0.5 | 0.09 | 7.5 | 0.40 | 1.0 | 0.7 | 0.25 | 25 |
| 71-99H-274 | 382955.22 | 6071800.72 | 1 | 6.4 | 180 | 14.6 | 3 | 3.0 | 21.0 | 0.40 | 0.50 | 4.0 | 0.12 | 7.5 | 0.30 | 1.5 | 1.3 | 0.25 | 25 |
| 71-99H-275 | 381967.41 | 6070087.68 | 1 | 4.4 | 150 | 15.0 | 4 | 2.0 | 19.0 | 0.38 | 0.50 | 0.5 | 0.08 | 7.5 | 0.30 | 1.3 | 1.3 | 0.25 | 76 |
| 71-99H-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1 | 4.8 | 120 | 11.5 | 1 | 2.0 | 10.0 | 0.44 | 0.50 | 0.5 | 0.15 | 22.0 | 0.40 | 1.4 | 0.9 | 0.25 | 63 |
| 71-99H-276-2 Field Duplicate | 385148.66 | 6077248.38 | 3 | 4.1 | 140 | 15.2 | 1 | 3.0 | 7.0 | 0.40 | 0.50 | 0.5 | 0.18 | 22.0 | 0.40 | 1.5 | 1.1 | 0.25 | 56 |
| 71-99H-277 | 386690.16 | 6081682.14 | 1 | 3.5 | 90 | 18.6 | 4 | 3.0 | 11.0 | 0.49 | 0.50 | 0.5 | 0.11 | 7.5 | 0.30 | 1.6 | 1.6 | 1.90 | 25 |
| 71-99H-278 | 388023.91 | 6080577.61 | 1 | 3.1 | 180 | 34.1 | 6 | 2.0 | 14.0 | 0.51 | 0.50 | 8.0 | 0.13 | 24.0 | 0.20 | 1.8 | 2.5 | 11.90 | 25 |
| 71-99H-279 | 376310.70 | 6077007.87 | 1 | 6.3 | 110 | 9.9 | 1 | 3.0 | 11.0 | 0.50 | 1.00 | 4.0 | 0.14 | 7.5 | 0.40 | 1.9 | 1.7 | 0.25 | 53 |
| 71-99H-280 | 384159.38 | 6073682.24 | 1 | 5.5 | 90 | 25.9 | 6 | 2.0 | 6.0 | 0.30 | 0.50 | 0.5 | 0.08 | 7.5 | 0.60 | 1.1 | 1.0 | 0.25 | 25 |
| 71-99H-281 | 379124.40 | 6067728.11 | 1 | 10.3 | 130 | 13.7 | 4 | 6.0 | 25.0 | 1.06 | 2.00 | 0.5 | 0.38 | 7.5 | 0.30 | 3.4 | 3.6 | 0.70 | 25 |
| 71-99H-282 | 382727.20 | 6079909.30 | 1 | 9.4 | 210 | 12.7 | 1 | 5.0 | 21.0 | 1.19 | 1.00 | 0.5 | 0.19 | 34.0 | 0.40 | 3.7 | 4.3 | 0.25 | 25 |
| 71-99H-283 | 382282.71 | 6077714.41 | 4 | 5.1 | 180 | 12.4 | 2 | 3.0 | 19.0 | 0.62 | 3.00 | 0.5 | 0.37 | 23.0 | 0.60 | 2.7 | 2.3 | 0.25 | 25 |
| 71-99H-284 | 383840.14 | 6075866.88 | 1 | 6.6 | 72 | 15.9 | 4 | 2.0 | 5.0 | 0.38 | 0.50 | 0.5 | 0.07 | 7.5 | 0.40 | 0.9 | 0.8 | 0.25 | 25 |
| 71-99H-285 | 382958.94 | 6074543.38 | 1 | 6.8 | 230 | 18.5 | 3 | 4.0 | 20.0 | 0.99 | 1.00 | 5.0 | 0.31 | 27.0 | 0.50 | 3.1 | 3.7 | 3.80 | 25 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-286 | 385475.05 | 6074190.49 | 1 | 5.0 | 91 | 18.8 | 5 | 2.0 | 9.0 | 0.37 | 0.50 | 1.0 | 0.17 | 7.5 | 0.30 | 1.3 | 1.8 | 1.00 | 25 |
| 71-99H-287 | 385938.09 | 6072538.35 | 1 | 7.0 | 85 | 15.2 | 1 | 2.0 | 2.5 | 0.31 | 0.50 | 0.5 | 0.14 | 7.5 | 0.50 | 1.1 | 1.0 | 0.80 | 25 |
| 71-99H-288 | 384706.93 | 6071638.97 | 1 | 4.9 | 260 | 25.7 | 5 | 5.0 | 34.0 | 1.34 | 2.00 | 4.0 | 0.43 | 37.0 | 0.20 | 5.1 | 5.7 | 3.10 | 53 |
| 71-99H-289 | 384447.42 | 6070035.32 | 1 | 5.4 | 270 | 9.0 | 2 | 6.0 | 25.0 | 1.32 | 2.00 | 0.5 | 0.28 | 33.0 | 0.40 | 4.2 | 5.1 | 1.40 | 25 |
| 71-99H-290 | 385875.21 | 6070091.77 | 1 | 9.3 | 120 | 13.9 | 4 | 4.0 | 23.0 | 1.06 | 1.00 | 0.5 | 0.16 | 34.0 | 0.50 | 3.1 | 3.6 | 2.10 | 25 |
| 71-99H-291 | 386749.94 | 6071142.51 | 1 | 10.4 | 100 | 16.7 | 2 | 2.0 | 13.0 | 0.63 | 0.50 | 0.5 | 0.06 | 7.5 | 0.40 | 1.9 | 2.4 | 0.80 | 25 |
| 71-99H-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1 | 4.2 | 110 | 8.7 | 1 | 2.0 | 11.0 | 0.33 | 0.50 | 4.0 | 0.10 | 7.5 | 0.60 | 1.2 | 0.8 | 0.25 | 25 |
| 71-99H-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1 | 5.7 | 150 | 12.2 | 1 | 1.0 | 9.0 | 0.30 | 0.50 | 4.0 | 0.10 | 7.5 | 0.60 | 1.2 | 0.7 | 0.25 | 25 |
| 71-99H-293 | 373332.21 | 6078856.12 | 1 | 3.6 | 190 | 12.0 | 2 | 2.0 | 8.0 | 0.61 | 0.50 | 0.5 | 0.12 | 7.5 | 0.40 | 1.9 | 2.3 | 0.25 | 25 |
| 71-99H-294 | 374312.89 | 6078921.40 | 1 | 7.4 | 200 | 11.6 | 1 | 1.0 | 2.5 | 0.26 | 0.50 | 0.5 | 0.09 | 20.0 | 0.50 | 1.1 | 0.9 | 0.25 | 25 |
| 71-99H-295 | 375182.62 | 6078624.03 | 1 | 6.3 | 92 | 9.6 | 2 | 2.0 | 8.0 | 0.41 | 0.50 | 0.5 | 0.13 | 17.0 | 0.50 | 1.5 | 1.2 | 0.25 | 25 |
| 71-99H-296 | 376386.81 | 6078570.83 | 1 | 4.7 | 130 | 10.8 | 3 | 3.0 | 10.0 | 0.39 | 0.50 | 0.5 | 0.15 | 7.5 | 0.30 | 1.7 | 2.0 | 0.25 | 25 |
| 71-99H-297 | 377606.00 | 6078057.09 | 1 | 4.6 | 160 | 9.2 | 4 | 4.0 | 19.0 | 0.73 | 2.00 | 0.5 | 0.44 | 32.0 | 0.30 | 2.8 | 2.9 | 0.90 | 25 |
| 71-99H-298 | 377794.68 | 6079094.31 | 1 | 5.7 | 360 | 20.3 | 4 | 6.0 | 25.0 | 1.20 | 2.00 | 0.5 | 0.30 | 40.0 | 0.30 | 4.4 | 5.7 | 1.30 | 66 |
| 71-99H-299 | 377733.77 | 6080049.38 | 1 | 7.9 | 160 | 17.8 | 1 | 2.0 | 14.0 | 0.47 | 0.50 | 0.5 | 0.17 | 7.5 | 0.60 | 1.8 | 1.5 | 0.25 | 83 |
| 71-99H-300 | 383601.49 | 6081754.27 | 1 | 5.7 | 190 | 14.4 | 1 | 5.0 | 13.0 | 0.81 | 0.50 | 0.5 | 0.16 | 23.0 | 0.10 | 2.8 | 2.8 | 0.25 | 25 |
| 71-99H-301 | 382264.75 | 6081807.41 | 1 | 7.8 | 220 | 6.6 | 1 | 1.0 | 6.0 | 0.31 | 0.50 | 0.5 | 0.11 | 7.5 | 0.40 | 1.2 | 0.6 | 0.25 | 25 |
| 71-99H-302 | 381825.16 | 6080640.92 | 1 | 4.0 | 180 | 21.7 | 6 | 3.0 | 18.0 | 0.83 | 2.00 | 0.5 | 0.27 | 7.5 | 0.05 | 2.8 | 3.5 | 1.50 | 25 |
| 71-99H-303 | 381419.93 | 6079292.48 | 1 | 3.7 | 74 | 10.0 | 1 | 2.0 | 12.0 | 0.30 | 0.50 | 0.5 | 0.12 | 7.5 | 0.10 | 1.2 | 0.8 | 0.25 | 65 |
| 71-99H-304 | 379828.87 | 6079816.74 | 1 | 8.3 | 180 | 11.6 | 2 | 5.0 | 23.0 | 0.59 | 1.00 | 0.5 | 0.22 | 7.5 | 0.50 | 2.6 | 1.9 | 0.25 | 25 |
| 71-99H-305-1 Field Duplicate | 373257.01 | 6080611.99 | 1 | 2.9 | 200 | 18.7 | 2 | 5.0 | 17.0 | 0.76 | 1.00 | 0.5 | 0.21 | 7.5 | 0.30 | 3.0 | 2.6 | 0.80 | 62 |
| 71-99H-305-2 Field Duplicate | 373257.01 | 6080611.99 | 1 | 3.1 | 310 | 12.5 | 2 | 6.0 | 21.0 | 0.81 | 4.00 | 0.5 | 0.82 | 7.5 | 0.30 | 3.7 | 3.4 | 1.30 | 52 |
| 71-99H-306 | 374075.08 | 6080290.59 | 1 | 4.3 | 210 | 10.5 | 1 | 3.0 | 9.0 | 0.59 | 0.50 | 0.5 | 0.16 | 7.5 | 0.30 | 1.8 | 1.1 | 0.25 | 178 |
| 71-99H-307 | 376118.15 | 6080021.19 | 1 | 2.4 | 260 | 18.0 | 1 | 2.0 | 11.0 | 0.47 | 0.50 | 0.5 | 0.20 | 22.0 | 0.40 | 1.8 | 1.2 | 0.25 | 62 |
| 71-99H-308 | 378593.33 | 6079122.68 | 1 | 2.7 | 130 | 4.2 | 1 | 2.0 | 7.0 | 0.25 | 0.50 | 0.5 | 0.07 | 7.5 | 0.20 | 0.8 | 0.1 | 0.25 | 25 |
| 71-99H-310 | 378075.60 | 6081454.42 | 1 | 3.8 | 110 | 10.5 | 2 | 2.0 | 2.5 | 0.28 | 0.50 | 0.5 | 0.08 | 7.5 | 0.20 | 1.1 | 0.7 | 0.25 | 25 |
| 71-99H-311 | 375825.45 | 6081477.33 | 1 | 5.5 | 90 | 8.4 | 2 | 4.0 | 16.0 | 0.70 | 1.00 | 0.5 | 0.24 | 7.5 | 0.30 | 2.5 | 2.5 | 0.25 | 25 |
| 71-99H-312 | 374729.14 | 6081514.74 | 1 | 8.1 | 25 | 20.1 | 4 | 3.0 | 5.0 | 0.55 | 0.50 | 5.0 | 0.11 | 7.5 | 0.40 | 2.0 | 3.7 | 3.70 | 25 |
| 71-99H-313 | 373003.62 | 6081431.03 | 1 | 8.0 | 230 | 15.9 | 2 | 4.0 | 8.0 | 0.70 | 1.00 | 0.5 | 0.23 | 24.0 | 0.50 | 2.6 | 2.7 | 0.25 | 25 |
| 71-99H-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1 | 6.0 | 180 | 13.2 | 1 | 2.0 | 2.5 | 0.34 | 0.50 | 0.5 | 0.16 | 7.5 | 0.30 | 1.1 | 0.3 | 0.25 | 105 |
| 71-99H-314-2 Field Duplicate | 380441.27 | 6077362.52 | 1 | 5.6 | 25 | 16.0 | 1 | 2.0 | 2.5 | 0.34 | 0.50 | 0.5 | 0.15 | 7.5 | 0.20 | 1.1 | 0.4 | 0.25 | 111 |
| 71-99H-315 | 379424.91 | 6076667.36 | 1 | 2.8 | 25 | 30.1 | 5 | 5.0 | 23.0 | 1.32 | 1.00 | 2.0 | 0.12 | 24.0 | 0.30 | 3.7 | 5.8 | 1.00 | 25 |
| 71-99H-316 | 378083.67 | 6075976.30 | 1 | 5.7 | 92 | 16.0 | 3 | 1.0 | 2.5 | 0.27 | 0.50 | 0.5 | 0.05 | 7.5 | 0.20 | 0.7 | 0.6 | 1.80 | 25 |
| 71-99H-317 | 378975.05 | 6075002.82 | 1 | 2.9 | 110 | 33.4 | 5 | 3.0 | 7.0 | 0.62 | 1.00 | 0.5 | 0.20 | 7.5 | 0.05 | 1.5 | 1.9 | 0.25 | 25 |
| 71-99H-318 | 374081.75 | 6076384.00 | 1 | 3.8 | 97 | 12.1 | 2 | 2.0 | 11.0 | 0.48 | 0.50 | 0.5 | 0.09 | 7.5 | 0.30 | 1.7 | 2.2 | 0.25 | 51 |
| 71-99H-319 | 377992.28 | 6071532.08 | 1 | 3.4 | 25 | 8.7 | 1 | 2.0 | 6.0 | 0.40 | 1.00 | 3.0 | 0.14 | 7.5 | 0.30 | 1.4 | 1.4 | 0.25 | 25 |
| 71-99H-320 | 378032.77 | 6073502.62 | 1 | 2.3 | 200 | 29.4 | 4 | 2.0 | 18.0 | 0.95 | 2.00 | 3.0 | 0.27 | 22.0 | 0.10 | 3.6 | 4.1 | 1.40 | 25 |
| 71-99H-321 | 376343.39 | 6073660.05 | 1 | 10.0 | 100 | 66.4 | 3 | 2.0 | 7.0 | 0.68 | 0.50 | 0.5 | 0.06 | 7.5 | 0.20 | 1.0 | 1.3 | 0.25 | 25 |
| 71-99H-322 | 376788.52 | 6076148.06 | 1 | 7.7 | 120 | 12.1 | 2 | 3.0 | 8.0 | 0.47 | 0.50 | 1.0 | 0.10 | 7.5 | 0.40 | 1.5 | 1.0 | 1.80 | 68 |
| 71-99H-323 | 374135.50 | 6077562.68 | 1 | 7.4 | 200 | 36.5 | 5 | 3.0 | 10.0 | 0.55 | 0.50 | 0.5 | 0.07 | 7.5 | 0.20 | 1.5 | 1.9 | 1.10 | 57 |
| 71-99H-324 | 371909.21 | 6077077.66 | 1 | 10.1 | 25 | 11.9 | 1 | 2.0 | 6.0 | 0.30 | 0.50 | 0.5 | 0.07 | 7.5 | 0.30 | 0.9 | 0.1 | 0.25 | 25 |
| 71-99H-326 | 367010.80 | 6076322.95 | 1 | 6.9 | 280 | 15.0 | 3 | 8.0 | 47.0 | 2.56 | 2.00 | 0.5 | 0.20 | 58.0 | 0.30 | 6.8 | 9.2 | 5.60 | 96 |
| 71-99H-327 | 365544.89 | 6075097.76 | 3 | 4.2 | 170 | 12.6 | 5 | 4.0 | 21.0 | 1.24 | 0.50 | 0.5 | 0.16 | 33.0 | 0.30 | 3.6 | 4.6 | 2.30 | 25 |
| 71-99H-328 | 366630.37 | 6073449.41 | 1 | 4.0 | 230 | 19.6 | 4 | 4.0 | 18.0 | 1.04 | 0.50 | 0.5 | 0.15 | 29.0 | 0.20 | 3.2 | 4.3 | 1.70 | 25 |
| 71-99H-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1 | 4.5 | 130 | 15.4 | 3 | 3.0 | 18.0 | 0.89 | 1.00 | 0.5 | 0.22 | 25.0 | 0.20 | 2.7 | 3.0 | 2.10 | 59 |
| 71-99H-329-2 Field Duplicate | 373524.62 | 6072776.30 | 1 | 4.3 | 110 | 8.9 | 1 | 2.0 | 8.0 | 0.43 | 0.50 | 0.5 | 0.11 | 18.0 | 0.40 | 1.4 | 1.1 | 0.80 | 25 |
| 71-99H-330 | 373090.65 | 6073609.38 | 1 | 5.6 | 96 | 44.9 | 5 | 2.0 | 2.5 | 0.22 | 0.50 | 0.5 | 0.04 | 7.5 | 0.30 | 0.8 | 1.1 | 0.25 | 25 |
| 71-99H-331 | 372325.83 | 6073335.34 | 1 | 4.6 | 100 | 8.5 | 2 | 3.0 | 9.0 | 0.46 | 0.50 | 0.5 | 0.10 | 25.0 | 0.40 | 1.7 | 1.6 | 0.70 | 25 |
| 71-99H-332 | 371343.79 | 6071847.26 | 1 | 5.4 | 25 | 10.0 | 3 | 2.0 | 6.0 | 0.40 | 0.50 | 0.5 | 0.09 | 7.5 | 0.40 | 1.3 | 1.0 | 0.25 | 25 |
| 71-99H-333 | 356400.44 | 6074585.89 | 1 | 8.9 | 90 | 16.5 | 1 | 3.0 | 8.0 | 0.35 | 0.50 | 0.5 | 0.10 | 7.5 | 0.40 | 1.3 | 0.8 | 0.25 | 25 |
| 71-99H-334 | 353630.41 | 6074080.73 | 1 | 5.7 | 110 | 11.9 | 3 | 2.0 | 10.0 | 0.36 | 0.50 | 0.5 | 0.16 | 7.5 | 0.40 | 1.4 | 1.4 | 0.60 | 25 |
| 71-99H-335 | 354026.13 | 6072263.97 | 1 | 8.2 | 200 | 16.0 | 3 | 6.0 | 28.0 | 1.55 | 1.00 | 0.5 | 0.20 | 35.0 | 0.40 | 4.3 | 5.4 | 1.30 | 25 |

| Sample Site | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-336 | 356175.52 | 6073162.11 | 1 | 6.2 | 180 | 26.2 | 3 | 4.0 | 23.0 | 1.41 | 1.00 | 2.0 | 0.15 | 26.0 | 0.40 | 4.3 | 6.4 | 1.70 | 25 |
| 71-99H-337 | 358516.43 | 6071531.39 | 1 | 4.9 | 25 | 13.5 | 1 | 2.0 | 9.0 | 0.42 | 0.50 | 0.5 | 0.11 | 7.5 | 0.50 | 1.5 | 1.5 | 0.25 | 25 |
| 71-99H-338 | 358097.38 | 6073183.12 | 1 | 4.4 | 140 | 13.8 | 3 | 2.0 | 8.0 | 0.35 | 0.50 | 0.5 | 0.12 | 7.5 | 0.50 | 1.4 | 1.0 | 0.90 | 25 |
| 71-99H-339 | 358101.16 | 6077722.60 | 1 | 4.8 | 25 | 13.9 | 2 | 3.0 | 10.0 | 0.69 | 0.50 | 0.5 | 0.16 | 22.0 | 0.30 | 2.3 | 2.6 | 0.25 | 67 |
| 71-99H-340 | 360792.23 | 6079576.49 | 1 | 6.2 | 25 | 12.7 | 2 | 4.0 | 15.0 | 0.84 | 1.00 | 0.5 | 0.14 | 7.5 | 0.30 | 3.2 | 3.8 | 1.20 | 25 |
| 71-99H-341 | 363366.15 | 6079087.77 | 1 | 6.0 | 25 | 17.1 | 1 | 2.0 | 2.5 | 0.22 | 0.50 | 0.5 | 0.08 | 7.5 | 0.40 | 0.8 | 0.7 | 0.25 | 25 |
| 71-99H-342 | 361709.41 | 6079470.25 | 1 | 4.7 | 25 | 22.7 | 1 | 1.0 | 2.5 | 0.21 | 0.50 | 0.5 | 0.06 | 7.5 | 0.50 | 0.8 | 0.3 | 0.25 | 56 |
| 71-99H-343 | 365228.31 | 6078367.51 | 1 | 6.8 | 140 | 14.8 | 3 | 3.0 | 10.0 | 0.66 | 0.50 | 0.5 | 0.16 | 7.5 | 0.50 | 2.3 | 2.4 | 0.25 | 25 |
| 71-99H-344 | 364266.45 | 6076224.84 | 1 | 8.6 | 25 | 18.3 | 1 | 2.0 | 2.5 | 0.23 | 0.50 | 0.5 | 0.08 | 7.5 | 0.05 | 0.8 | 0.6 | 0.25 | 25 |
| 71-99H-345 | 362453.17 | 6075416.23 | 1 | 9.9 | 25 | 13.9 | 1 | 3.0 | 8.0 | 0.42 | 0.50 | 0.5 | 0.16 | 26.0 | 0.40 | 1.8 | 1.6 | 0.25 | 25 |
| 71-99H-346 | 363508.62 | 6077282.57 | 1 | 6.6 | 75 | 12.0 | 3 | 3.0 | 6.0 | 0.32 | 0.50 | 0.5 | 0.11 | 23.0 | 0.30 | 1.3 | 0.8 | 0.25 | 25 |
| 71-99H-347 | 390123.06 | 6073013.81 | 1 | 6.2 | 87 | 18.9 | 3 | 1.0 | 5.0 | 0.35 | 0.50 | 0.5 | 0.10 | 15.0 | 0.50 | 1.2 | 0.8 | 0.25 | 25 |
| 71-99H-348 | 386609.32 | 6076034.47 | 1 | 4.6 | 90 | 12.2 | 3 | 3.0 | 6.0 | 0.41 | 0.50 | 0.5 | 0.17 | 7.5 | 0.30 | 1.4 | 0.9 | 0.25 | 25 |
| 71-99H-349 | 394290.85 | 6073197.89 | 1 | 3.7 | 150 | 14.2 | 1 | 4.0 | 15.0 | 0.73 | 0.50 | 5.0 | 0.17 | 20.0 | 0.30 | 2.9 | 2.9 | 0.25 | 25 |
| 71-99H-350 | 381237.22 | 6069551.39 | 1 | 5.5 | 80 | 13.4 | 1 | 3.0 | 9.0 | 0.55 | 0.50 | 0.5 | 0.15 | 7.5 | 0.30 | 1.7 | 0.9 | 0.25 | 72 |
| 71-99H-351 | 377332.39 | 6064774.37 | 1 | 5.3 | 100 | 13.2 | 2 | 3.0 | 13.0 | 0.52 | 0.50 | 0.5 | 0.14 | 7.5 | 0.30 | 2.3 | 2.2 | 0.25 | 25 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-1 | 10 | 14 | 2.5 | 1.30 | 0.3 | 0.4 | 0.060 | 28 |
| 71-99H-2 | 11 | 18 | 8.0 | 1.20 | 0.3 | 0.5 | 0.070 | 39 |
| 71-99H-3 | 12 | 19 | 9.0 | 1.60 | 0.4 | 0.7 | 0.110 | 43 |
| 71-99H-4 | 20 | 36 | 5.0 | 2.10 | 0.4 | 0.5 | 0.070 | 64 |
| 71-99H-5 | 7 | 13 | 2.5 | 0.90 | 0.1 | 0.4 | 0.060 | 24 |
| 71-99H-6 | 9 | 13 | 2.5 | 1.20 | 0.3 | 0.3 | 0.050 | 27 |
| 71-99H-7 | 2 | 2 | 2.5 | 0.20 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-8 | 15 | 30 | 10.0 | 1.80 | 0.4 | 0.7 | 0.150 | 58 |
| 71-99H-9 | 27 | 48 | 13.0 | 3.00 | 0.6 | 0.7 | 0.110 | 92 |
| 71-99H-10 | 15 | 24 | 8.0 | 2.00 | 0.6 | 1.0 | 0.170 | 51 |
| 71-99H-11 | 9 | 12 | 2.5 | 1.00 | 0.1 | 0.5 | 0.070 | 25 |
| 71-99H-12 | 3 | 6 | 2.5 | 0.40 | 0.2 | 0.1 | 0.050 | 12 |
| 71-99H-13 | 11 | 19 | 9.0 | 1.20 | 0.3 | 0.4 | 0.060 | 41 |
| 71-99H-14 | 10 | 11 | 9.0 | 1.10 | 0.3 | 0.4 | 0.060 | 32 |
| 71-99H-15 | 13 | 20 | 9.0 | 1.40 | 0.3 | 0.7 | 0.120 | 45 |
| 71-99H-16 | 10 | 18 | 2.5 | 1.30 | 0.1 | 0.6 | 0.140 | 33 |
| 71-99H-17 | 8 | 14 | 2.5 | 0.90 | 0.1 | 0.5 | 0.070 | 26 |
| 71-99H-18 | 2 | 4 | 2.5 | 0.20 | 0.1 | 0.1 | 0.050 | 9 |
| 71-99H-19 | 11 | 18 | 2.5 | 1.00 | 0.1 | 0.4 | 0.050 | 33 |
| 71-99H-20 | 11 | 18 | 2.5 | 1.40 | 0.4 | 0.5 | 0.050 | 34 |
| 71-99H-21-1 Field Duplicate | 4 | 6 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 13 |
| 71-99H-21-2 Field Duplicate | 6 | 10 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 20 |
| 71-99H-22 | 6 | 14 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 24 |
| 71-99H-23 | 5 | 9 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 18 |
| 71-99H-24 | 35 | 63 | 21.0 | 4.00 | 0.5 | 0.1 | 0.050 | 123 |
| 71-99H-25 | 4 | 7 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 15 |
| 71-99H-26 | 16 | 25 | 7.0 | 1.70 | 0.3 | 0.4 | 0.060 | 50 |
| 71-99H-27 | 20 | 18 | 8.0 | 2.10 | 0.3 | 0.6 | 0.080 | 49 |
| 71-99H-28 | 8 | 13 | 8.0 | 0.90 | 0.1 | 0.4 | 0.060 | 30 |
| 71-99H-29 | 4 | 5 | 2.5 | 0.60 | 0.1 | 0.4 | 0.060 | 12 |
| 71-99H-30 | 5 | 8 | 7.0 | 0.60 | 0.1 | 0.3 | 0.050 | 21 |
| 71-99H-31 | 4 | 2 | 2.5 | 0.40 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-32 | 12 | 18 | 6.0 | 1.60 | 0.4 | 0.9 | 0.150 | 39 |
| 71-99H-33 | 5 | 8 | 2.5 | 0.70 | 0.1 | 0.2 | 0.050 | 16 |
| 71-99H-34 | 7 | 11 | 2.5 | 0.80 | 0.2 | 0.4 | 0.060 | 22 |
| 71-99H-35 | 6 | 10 | 2.5 | 0.70 | 0.1 | 0.3 | 0.050 | 20 |
| 71-99H-36 | 7 | 11 | 2.5 | 0.90 | 0.1 | 0.5 | 0.070 | 22 |
| 71-99H-37 | 1 | 2 | 2.5 | 0.05 | 0.1 | 0.1 | 0.050 | 5 |
| 71-99H-38 | 3 | 8 | 2.5 | 0.40 | 0.1 | 0.2 | 0.050 | 15 |
| 71-99H-39 | 5 | 9 | 2.5 | 0.70 | 0.1 | 0.4 | 0.060 | 18 |
| 71-99H-40 | 21 | 27 | 15.0 | 2.50 | 0.4 | 0.9 | 0.130 | 67 |
| 71-99H-41-1 Field Duplicate | 17 | 24 | 9.0 | 1.90 | 0.3 | 0.6 | 0.080 | 53 |
| 71-99H-41-2 Field Duplicate | 15 | 24 | 2.5 | 1.60 | 0.3 | 0.4 | 0.060 | 43 |
| 71-99H-42 | 27 | 35 | 15.0 | 2.80 | 0.4 | 0.6 | 0.090 | 81 |
| 71-99H-43 | 15 | 24 | 8.0 | 1.50 | 0.4 | 0.5 | 0.100 | 49 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-44 | 19 | 27 | 12.0 | 2.20 | 0.3 | 0.6 | 0.090 | 61 |
| 71-99H-45 | 5 | 7 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 15 |
| 71-99H-46 | 17 | 28 | 10.0 | 2.20 | 0.3 | 1.1 | 0.140 | 59 |
| 71-99H-47 | 4 | 8 | 2.5 | 0.40 | 0.1 | 0.3 | 0.050 | 15 |
| 71-99H-48 | 25 | 46 | 8.0 | 2.40 | 0.4 | 0.6 | 0.090 | 82 |
| 71-99H-49 | 5 | 10 | 2.5 | 0.60 | 0.1 | 0.4 | 0.060 | 18 |
| 71-99H-50 | 12 | 20 | 2.5 | 1.40 | 0.2 | 0.5 | 0.050 | 36 |
| 71-99H-51 | 13 | 20 | 10.0 | 1.90 | 0.4 | 0.5 | 0.070 | 45 |
| 71-99H-52 | 6 | 8 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 17 |
| 71-99H-53 | 9 | 15 | 2.5 | 1.30 | 0.1 | 0.5 | 0.070 | 29 |
| 71-99H-54 | 13 | 26 | 7.0 | 1.50 | 0.3 | 0.5 | 0.090 | 48 |
| 71-99H-55 | 7 | 10 | 2.5 | 0.80 | 0.1 | 0.1 | 0.050 | 20 |
| 71-99H-56 | 0 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 5 |
| 71-99H-57 | 16 | 24 | 9.0 | 1.80 | 0.3 | 0.8 | 0.100 | 52 |
| 71-99H-58 | 5 | 11 | 6.0 | 0.70 | 0.1 | 0.1 | 0.050 | 23 |
| 71-99H-59 | 20 | 32 | 13.0 | 2.50 | 0.6 | 0.9 | 0.140 | 69 |
| 71-99H-60 | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-61 | 4 | 7 | 2.5 | 0.40 | 0.1 | 0.3 | 0.050 | 14 |
| 71-99H-62 | 6 | 7 | 2.5 | 0.50 | 0.1 | 0.4 | 0.070 | 17 |
| 71-99H-63 | 15 | 23 | 2.5 | 1.90 | 0.3 | 0.5 | 0.090 | 43 |
| 71-99H-64 | 19 | 23 | 8.0 | 2.00 | 0.1 | 0.6 | 0.090 | 52 |
| 71-99H-65 | 5 | 11 | 2.5 | 0.70 | 0.2 | 0.5 | 0.070 | 20 |
| 71-99H-66 | 2 | 11 | 2.5 | 0.40 | 0.1 | 0.1 | 0.025 | 16 |
| 71-99H-67 | 21 | 28 | 2.5 | 2.50 | 0.4 | 0.1 | 0.025 | 55 |
| 71-99H-68 | 29 | 49 | 26.0 | 3.80 | 0.7 | 0.9 | 0.150 | 110 |
| 71-99H-69 | 25 | 46 | 2.5 | 3.70 | 0.9 | 0.8 | 0.150 | 79 |
| 71-99H-70-1 Field Duplicate | 13 | 2 | 2.5 | 1.60 | 0.5 | 0.1 | 0.025 | 19 |
| 71-99H-70-2 Field Duplicate | 19 | 20 | 12.0 | 2.60 | 1.0 | 0.1 | 0.025 | 55 |
| 71-99H-71 | 4 | 2 | 13.0 | 0.60 | 0.3 | 0.3 | 0.025 | 19 |
| 71-99H-72 | 11 | 22 | 2.5 | 1.50 | 0.1 | 0.5 | 0.025 | 37 |
| 71-99H-73 | 10 | 19 | 10.0 | 1.40 | 0.6 | 0.1 | 0.025 | 41 |
| 71-99H-74 | 15 | 25 | 2.5 | 2.00 | 0.1 | 0.6 | 0.025 | 45 |
| 71-99H-75 | 6 | 13 | 15.0 | 0.90 | 0.4 | 0.1 | 0.025 | 36 |
| 71-99H-76 | 2 | 9 | 2.5 | 0.30 | 0.1 | 0.1 | 0.025 | 14 |
| 71-99H-77 | 5 | 12 | 2.5 | 0.70 | 0.5 | 0.4 | 0.025 | 21 |
| 71-99H-78 | 4 | 9 | 2.5 | 0.70 | 0.4 | 0.1 | 0.080 | 16 |
| 71-99H-79 | 5 | 10 | 2.5 | 0.70 | 0.4 | 0.1 | 0.025 | 18 |
| 71-99H-80 | 11 | 22 | 6.0 | 1.60 | 0.6 | 0.6 | 0.025 | 42 |
| 71-99H-81 | 10 | 19 | 2.5 | 1.60 | 0.4 | 0.6 | 0.110 | 34 |
| 71-99H-82-1 Field Duplicate | 5 | 10 | 2.5 | 0.60 | 0.4 | 0.1 | 0.025 | 19 |
| 71-99H-82-2 Field Duplicate | 6 | 10 | 2.5 | 0.70 | 0.4 | 0.4 | 0.060 | 20 |
| 71-99H-83 | 11 | 23 | 12.0 | 1.70 | 0.4 | 0.7 | 0.110 | 49 |
| 71-99H-84 | 3 | 8 | 2.5 | 0.40 | 0.1 | 0.1 | 0.025 | 14 |
| 71-99H-85 | 10 | 20 | 7.0 | 1.60 | 0.4 | 0.5 | 0.090 | 39 |
| 71-99H-86 | 8 | 13 | 6.0 | 1.00 | 0.4 | 0.4 | 0.060 | 29 |
| 71-99H-87 | 31 | 70 | 20.0 | 4.50 | 0.8 | 0.7 | 0.140 | 127 |
| 71-99H-88 | 8 | 15 | 2.5 | 1.00 | 0.4 | 0.1 | 0.050 | 27 |
| 71-99H-89 | 7 | 15 | 8.0 | 1.10 | 0.4 | 0.4 | 0.060 | 32 |
| 71-99H-90 | 3 | 7 | 2.5 | 0.50 | 0.1 | 0.3 | 0.050 | 14 |
| 71-99H-91 | 3 | 8 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 14 |
| 71-99H-92 | 1 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-93 | 6 | 8 | 2.5 | 1.00 | 0.4 | 0.1 | 0.050 | 18 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-94 | 9 | 19 | 16.0 | 1.40 | 0.4 | 0.6 | 0.060 | 47 |
| 71-99H-95 | 12 | 25 | 2.5 | 1.80 | 0.5 | 0.7 | 0.120 | 43 |
| 71-99H-96 | 4 | 9 | 2.5 | 0.50 | 0.1 | 0.3 | 0.050 | 16 |
| 71-99H-97 | 6 | 18 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 28 |
| 71-99H-98 | 11 | 18 | 2.5 | 1.50 | 0.1 | 0.4 | 0.070 | 34 |
| 71-99H-99 | 9 | 20 | 2.5 | 1.30 | 0.1 | 0.3 | 0.050 | 33 |
| 71-99H-100 | 7 | 9 | 6.0 | 1.00 | 0.4 | 0.5 | 0.080 | 24 |
| 71-99H-101-1 Field Duplicate | 11 | 22 | 6.0 | 1.50 | 0.4 | 0.6 | 0.100 | 42 |
| 71-99H-101-2 Field Duplicate | 3 | 5 | 2.5 | 0.50 | 0.3 | 0.1 | 0.050 | 12 |
| 71-99H-102 | 6 | 9 | 2.5 | 0.80 | 0.2 | 0.3 | 0.050 | 18 |
| 71-99H-103 | 10 | 19 | 7.0 | 1.20 | 0.1 | 0.3 | 0.050 | 38 |
| 71-99H-104 | 9 | 15 | 2.5 | 1.20 | 0.1 | 0.1 | 0.050 | 28 |
| 71-99H-105 | 9 | 13 | 2.5 | 1.20 | 0.3 | 0.4 | 0.060 | 26 |
| 71-99H-106 | 11 | 17 | 9.0 | 1.60 | 0.1 | 0.4 | 0.060 | 40 |
| 71-99H-107 | 3 | 2 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-108 | 9 | 14 | 7.0 | 1.20 | 0.3 | 0.3 | 0.050 | 32 |
| 71-99H-109 | 15 | 24 | 10.0 | 2.10 | 0.5 | 0.3 | 0.050 | 52 |
| 71-99H-110 | 46 | 53 | 25.0 | 5.10 | 0.9 | 0.8 | 0.150 | 130 |
| 71-99H-111 | 7 | 12 | 6.0 | 1.20 | 0.3 | 0.6 | 0.090 | 27 |
| 71-99H-112 | 4 | 2 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 9 |
| 71-99H-113 | 1 | 2 | 2.5 | 0.20 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-114 | 4 | 6 | 2.5 | 0.60 | 0.1 | 0.2 | 0.050 | 14 |
| 71-99H-115 | 8 | 11 | 2.5 | 1.20 | 0.1 | 0.3 | 0.050 | 23 |
| 71-99H-116 | 6 | 8 | 5.0 | 0.80 | 0.1 | 0.1 | 0.050 | 20 |
| 71-99H-117 | 4 | 5 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 12 |
| 71-99H-118 | 8 | 14 | 2.5 | 1.10 | 0.4 | 0.4 | 0.060 | 26 |
| 71-99H-119 | 10 | 21 | 6.0 | 1.50 | 0.3 | 0.8 | 0.130 | 39 |
| 71-99H-120 | 10 | 24 | 2.5 | 1.50 | 0.3 | 0.4 | 0.060 | 39 |
| 71-99H-121 | 6 | 13 | 2.5 | 0.80 | 0.3 | 0.4 | 0.060 | 23 |
| 71-99H-122 | 4 | 2 | 2.5 | 0.50 | 0.3 | 0.1 | 0.050 | 9 |
| 71-99H-123 | 7 | 14 | 2.5 | 0.90 | 0.3 | 0.3 | 0.050 | 25 |
| 71-99H-124-1 Field Duplicate | 3 | 5 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 12 |
| 71-99H-124-2 Field Duplicate | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-125 | 11 | 22 | 10.0 | 1.70 | 0.4 | 0.5 | 0.060 | 46 |
| 71-99H-126 | 7 | 10 | 2.5 | 1.10 | 0.1 | 0.3 | 0.050 | 21 |
| 71-99H-127 | 5 | 11 | 2.5 | 0.90 | 0.6 | 0.4 | 0.060 | 21 |
| 71-99H-129 | 3 | 8 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 14 |
| 71-99H-130 | 1 | 6 | 2.5 | 0.20 | 0.1 | 0.1 | 0.050 | 10 |
| 71-99H-131 | 25 | 33 | 24.0 | 3.20 | 0.6 | 0.7 | 0.110 | 86 |
| 71-99H-132 | 21 | 37 | 2.5 | 2.80 | 0.1 | 0.8 | 0.120 | 64 |
| 71-99H-133 | 5 | 2 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 9 |
| 71-99H-134 | 15 | 36 | 2.5 | 2.00 | 0.1 | 0.5 | 0.070 | 56 |
| 71-99H-135 | 4 | 2 | 14.0 | 0.70 | 0.6 | 0.1 | 0.050 | 21 |
| 71-99H-136 | 5 | 15 | 2.5 | 0.90 | 0.5 | 0.3 | 0.050 | 24 |
| 71-99H-137 | 5 | 15 | 2.5 | 0.80 | 0.4 | 0.1 | 0.050 | 23 |
| 71-99H-138 | 20 | 40 | 2.5 | 2.80 | 0.6 | 0.8 | 0.120 | 66 |
| 71-99H-139 | 13 | 23 | 12.0 | 1.80 | 0.4 | 0.6 | 0.090 | 51 |
| 71-99H-140 | 13 | 14 | 11.0 | 1.70 | 0.4 | 0.4 | 0.060 | 40 |
| 71-99H-141-1 Field Duplicate | 13 | 30 | 9.0 | 1.90 | 0.5 | 0.7 | 0.120 | 55 |
| 71-99H-141-2 Field Duplicate | 6 | 12 | 2.5 | 0.80 | 0.1 | 0.1 | 0.050 | 21 |
| 71-99H-142 | 10 | 13 | 10.0 | 1.50 | 0.3 | 0.4 | 0.060 | 35 |
| 71-99H-143 | 21 | 35 | 15.0 | 2.60 | 0.6 | 0.7 | 0.110 | 75 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-144 | 24 | 23 | 2.5 | 2.80 | 0.5 | 0.5 | 0.080 | 53 |
| 71-99H-145 | 8 | 15 | 2.5 | 1.20 | 0.4 | 0.5 | 0.080 | 28 |
| 71-99H-146 | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-147 | 9 | 21 | 2.5 | 1.20 | 0.3 | 0.1 | 0.050 | 34 |
| 71-99H-148 | 7 | 12 | 2.5 | 1.00 | 0.2 | 0.1 | 0.050 | 23 |
| 71-99H-149 | 10 | 17 | 10.0 | 1.50 | 0.4 | 0.7 | 0.090 | 40 |
| 71-99H-150 | 6 | 14 | 2.5 | 1.00 | 0.3 | 0.4 | 0.060 | 25 |
| 71-99H-151 | 16 | 23 | 14.0 | 2.50 | 0.6 | 0.8 | 0.130 | 57 |
| 71-99H-152 | 3 | 5 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 11 |
| 71-99H-153 | 11 | 20 | 8.0 | 1.50 | 0.5 | 0.4 | 0.060 | 42 |
| 71-99H-154 | 5 | 5 | 5.0 | 0.70 | 0.4 | 0.3 | 0.050 | 16 |
| 71-99H-155 | 5 | 9 | 8.0 | 0.70 | 0.2 | 0.3 | 0.050 | 23 |
| 71-99H-156 | 7 | 11 | 2.5 | 1.10 | 0.1 | 0.4 | 0.070 | 22 |
| 71-99H-157 | 2 | 7 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 12 |
| 71-99H-201 | 3 | 6 | 2.5 | 0.40 | 0.3 | 0.1 | 0.050 | 12 |
| 71-99H-202 | 6 | 9 | 2.5 | 0.80 | 0.3 | 0.4 | 0.050 | 19 |
| 71-99H-203 | 42 | 51 | 28.0 | 5.40 | 1.1 | 1.1 | 0.170 | 128 |
| 71-99H-204 | 5 | 6 | 2.5 | 0.70 | 0.1 | 0.2 | 0.050 | 15 |
| 71-99H-205 | 25 | 36 | 19.0 | 3.00 | 0.6 | 0.4 | 0.060 | 84 |
| 71-99H-206 | 47 | 105 | 32.0 | 6.40 | 0.9 | 1.4 | 0.200 | 193 |
| 71-99H-207 | 9 | 16 | 2.5 | 1.30 | 0.3 | 0.3 | 0.050 | 30 |
| 71-99H-208 | 15 | 25 | 2.5 | 1.90 | 0.5 | 0.6 | 0.090 | 46 |
| 71-99H-209 | 28 | 46 | 24.0 | 3.70 | 0.8 | 0.6 | 0.090 | 103 |
| 71-99H-210 | 16 | 29 | 17.0 | 2.30 | 0.6 | 0.7 | 0.110 | 66 |
| 71-99H-211 | 3 | 4 | 2.5 | 0.40 | 0.1 | 0.3 | 0.050 | 10 |
| 71-99H-212 | 40 | 70 | 26.0 | 5.20 | 1.0 | 1.0 | 0.150 | 143 |
| 71-99H-213 | 21 | 35 | 12.0 | 2.80 | 0.7 | 0.5 | 0.080 | 72 |
| 71-99H-214 | 2 | 3 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-215 | 2 | 9 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 14 |
| 71-99H-216 | 24 | 35 | 18.0 | 3.30 | 0.6 | 0.7 | 0.090 | 81 |
| 71-99H-217 | 13 | 22 | 14.0 | 1.90 | 0.4 | 0.5 | 0.080 | 52 |
| 71-99H-218 | 33 | 39 | 21.0 | 4.40 | 0.8 | 0.9 | 0.160 | 99 |
| 71-99H-219-1 Field Duplicate | 55 | 125 | 46.0 | 7.40 | 1.5 | 1.2 | 0.180 | 236 |
| 71-99H-219-2 Field Duplicate | 54 | 128 | 43.0 | 7.80 | 1.5 | 1.1 | 0.170 | 236 |
| 71-99H-220 | 2 | 4 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 9 |
| 71-99H-221 | 5 | 9 | 2.5 | 0.80 | 0.3 | 0.3 | 0.050 | 18 |
| 71-99H-222 | 11 | 16 | 9.0 | 1.70 | 0.4 | 0.4 | 0.060 | 38 |
| 71-99H-223 | 2 | 2 | 2.5 | 0.40 | 0.1 | 0.2 | 0.050 | 7 |
| 71-99H-224 | 4 | 6 | 2.5 | 0.60 | 0.4 | 0.1 | 0.050 | 14 |
| 71-99H-225-1 Field Duplicate | 15 | 19 | 11.0 | 2.10 | 0.6 | 0.5 | 0.110 | 48 |
| 71-99H-225-2 Field Duplicate | 1 | 2 | 2.5 | 0.05 | 0.1 | 0.1 | 0.050 | 5 |
| 71-99H-226 | 2 | 2 | 6.0 | 0.30 | 0.1 | 0.1 | 0.050 | 10 |
| 71-99H-227 | 3 | 8 | 2.5 | 0.50 | 0.2 | 0.3 | 0.050 | 15 |
| 71-99H-228 | 59 | 100 | 46.0 | 7.70 | 1.6 | 1.6 | 0.260 | 216 |
| 71-99H-229 | 21 | 32 | 16.0 | 2.80 | 0.6 | 0.8 | 0.120 | 73 |
| 71-99H-230-1 Field Duplicate | 2 | 8 | 2.5 | 0.40 | 0.3 | 0.1 | 0.050 | 13 |
| 71-99H-230-2 Field Duplicate | 5 | 10 | 2.5 | 0.70 | 0.1 | 0.3 | 0.050 | 18 |
| 71-99H-231 | 7 | 15 | 2.5 | 0.90 | 0.4 | 0.1 | 0.050 | 26 |
| 71-99H-232 | 10 | 18 | 2.5 | 1.30 | 0.5 | 0.1 | 0.050 | 32 |
| 71-99H-233 | 3 | 7 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 14 |
| 71-99H-234 | 4 | 2 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 9 |
| 71-99H-235 | 4 | 6 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 14 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-236 | 4 | 7 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 14 |
| 71-99H-237 | 8 | 12 | 2.5 | 1.20 | 0.1 | 0.4 | 0.060 | 24 |
| 71-99H-238 | 3 | 10 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 17 |
| 71-99H-239 | 5 | 8 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 17 |
| 71-99H-240 | 14 | 22 | 18.0 | 2.10 | 0.1 | 0.5 | 0.080 | 57 |
| 71-99H-241 | 9 | 22 | 2.5 | 1.30 | 0.1 | 0.6 | 0.090 | 35 |
| 71-99H-242 | 6 | 11 | 2.5 | 0.80 | 0.1 | 0.4 | 0.060 | 20 |
| 71-99H-243 | 9 | 18 | 2.5 | 1.40 | 0.1 | 0.4 | 0.060 | 32 |
| 71-99H-244 | 18 | 28 | 2.5 | 2.30 | 0.4 | 0.5 | 0.090 | 52 |
| 71-99H-245 | 3 | 6 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 13 |
| 71-99H-246 | 3 | 2 | 6.0 | 0.40 | 0.1 | 0.1 | 0.050 | 11 |
| 71-99H-247 | 34 | 64 | 33.0 | 3.90 | 0.8 | 0.9 | 0.120 | 137 |
| 71-99H-248-1 Field Duplicate | 5 | 11 | 15.0 | 0.90 | 0.1 | 0.4 | 0.060 | 33 |
| 71-99H-248-2 Field Duplicate | 5 | 10 | 12.0 | 0.90 | 0.1 | 0.3 | 0.050 | 28 |
| 71-99H-249 | 4 | 10 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 18 |
| 71-99H-250 | 26 | 33 | 22.0 | 3.20 | 0.6 | 0.6 | 0.120 | 85 |
| 71-99H-251 | 4 | 6 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 14 |
| 71-99H-252 | 4 | 7 | 2.5 | 0.60 | 0.1 | 0.3 | 0.050 | 14 |
| 71-99H-253 | 8 | 15 | 2.5 | 1.00 | 0.1 | 0.5 | 0.050 | 27 |
| 71-99H-254 | 78 | 148 | 67.0 | 9.90 | 2.1 | 2.2 | 0.330 | 307 |
| 71-99H-255 | 17 | 38 | 21.0 | 2.20 | 0.4 | 0.6 | 0.080 | 79 |
| 71-99H-256 | 5 | 10 | 2.5 | 0.70 | 0.1 | 0.3 | 0.050 | 19 |
| 71-99H-257 | 3 | 3 | 9.0 | 0.60 | 0.1 | 0.2 | 0.050 | 16 |
| 71-99H-258 | 5 | 11 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 20 |
| 71-99H-259 | 7 | 13 | 7.0 | 1.00 | 0.2 | 0.3 | 0.050 | 28 |
| 71-99H-260 | 3 | 7 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 13 |
| 71-99H-261 | 10 | 15 | 7.0 | 1.40 | 0.1 | 0.6 | 0.090 | 34 |
| 71-99H-262 | 8 | 11 | 2.5 | 1.20 | 0.1 | 0.3 | 0.050 | 23 |
| 71-99H-263 | 27 | 43 | 15.0 | 3.00 | 0.5 | 0.9 | 0.130 | 90 |
| 71-99H-264 | 10 | 18 | 8.0 | 1.40 | 0.1 | 0.3 | 0.050 | 38 |
| 71-99H-265 | 4 | 6 | 2.5 | 0.60 | 0.1 | 0.2 | 0.050 | 13 |
| 71-99H-266 | 16 | 24 | 11.0 | 2.10 | 0.3 | 0.6 | 0.090 | 54 |
| 71-99H-267 | 6 | 13 | 2.5 | 0.90 | 0.1 | 0.2 | 0.050 | 23 |
| 71-99H-268 | 4 | 8 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 15 |
| 71-99H-269 | 3 | 2 | 7.0 | 0.40 | 0.1 | 0.2 | 0.050 | 12 |
| 71-99H-270 | 17 | 33 | 9.0 | 2.00 | 0.1 | 0.6 | 0.090 | 62 |
| 71-99H-271 | 5 | 8 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 16 |
| 71-99H-272 | 3 | 4 | 2.5 | 0.40 | 0.1 | 0.2 | 0.050 | 10 |
| 71-99H-273 | 4 | 6 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 13 |
| 71-99H-274 | 11 | 21 | 10.0 | 1.40 | 0.2 | 0.4 | 0.060 | 44 |
| 71-99H-275 | 12 | 19 | 8.0 | 1.40 | 0.3 | 0.3 | 0.050 | 41 |
| 71-99H-276-1 Field Duplicate | 4 | 7 | 2.5 | 0.60 | 0.1 | 0.3 | 0.050 | 14 |
| 71-99H-276-2 Field Duplicate | 4 | 8 | 2.5 | 0.70 | 0.2 | 0.1 | 0.050 | 16 |
| 71-99H-277 | 6 | 9 | 2.5 | 0.90 | 0.1 | 0.3 | 0.050 | 19 |
| 71-99H-278 | 7 | 10 | 11.0 | 1.10 | 0.2 | 0.3 | 0.050 | 29 |
| 71-99H-279 | 17 | 32 | 12.0 | 1.90 | 0.4 | 0.5 | 0.080 | 64 |
| 71-99H-280 | 3 | 4 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 10 |
| 71-99H-281 | 17 | 29 | 17.0 | 2.50 | 0.4 | 0.7 | 0.110 | 66 |
| 71-99H-282 | 40 | 70 | 34.0 | 5.20 | 1.0 | 1.1 | 0.170 | 151 |
| 71-99H-283 | 7 | 13 | 6.0 | 1.10 | 0.2 | 0.6 | 0.100 | 28 |
| 71-99H-284 | 3 | 4 | 2.5 | 0.40 | 0.1 | 0.1 | 0.050 | 10 |
| 71-99H-285 | 12 | 24 | 12.0 | 1.70 | 0.3 | 0.6 | 0.080 | 51 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-286 | 6 | 10 | 2.5 | 0.90 | 0.1 | 0.3 | 0.050 | 20 |
| 71-99H-287 | 4 | 5 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 12 |
| 71-99H-288 | 26 | 40 | 21.0 | 3.50 | 0.7 | 1.0 | 0.150 | 93 |
| 71-99H-289 | 34 | 60 | 30.0 | 3.80 | 0.8 | 1.0 | 0.150 | 130 |
| 71-99H-290 | 11 | 19 | 5.0 | 1.50 | 0.4 | 0.5 | 0.070 | 38 |
| 71-99H-291 | 14 | 27 | 14.0 | 1.80 | 0.3 | 0.4 | 0.060 | 57 |
| 71-99H-292-1 Field Duplicate | 3 | 6 | 2.5 | 0.50 | 0.1 | 0.3 | 0.050 | 12 |
| 71-99H-292-2 Field Duplicate | 3 | 5 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 11 |
| 71-99H-293 | 12 | 16 | 11.0 | 1.50 | 0.3 | 0.4 | 0.060 | 41 |
| 71-99H-294 | 4 | 5 | 2.5 | 0.60 | 0.1 | 0.1 | 0.050 | 12 |
| 71-99H-295 | 7 | 13 | 9.0 | 1.10 | 0.1 | 0.3 | 0.050 | 30 |
| 71-99H-296 | 30 | 37 | 19.0 | 3.30 | 0.7 | 0.9 | 0.120 | 91 |
| 71-99H-297 | 9 | 18 | 10.0 | 1.40 | 0.4 | 0.6 | 0.090 | 40 |
| 71-99H-298 | 30 | 46 | 21.0 | 3.50 | 0.8 | 1.0 | 0.150 | 103 |
| 71-99H-299 | 5 | 9 | 2.5 | 0.80 | 0.3 | 0.1 | 0.050 | 17 |
| 71-99H-300 | 28 | 48 | 22.0 | 2.80 | 0.6 | 0.6 | 0.080 | 102 |
| 71-99H-301 | 3 | 5 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 11 |
| 71-99H-302 | 12 | 20 | 6.0 | 1.80 | 0.4 | 0.7 | 0.110 | 41 |
| 71-99H-303 | 3 | 5 | 2.5 | 0.40 | 0.1 | 0.1 | 0.050 | 11 |
| 71-99H-304 | 9 | 15 | 2.5 | 1.50 | 0.3 | 0.4 | 0.060 | 28 |
| 71-99H-305-1 Field Duplicate | 9 | 19 | 6.0 | 1.50 | 0.3 | 0.4 | 0.060 | 37 |
| 71-99H-305-2 Field Duplicate | 13 | 23 | 9.0 | 1.80 | 0.4 | 1.0 | 0.150 | 48 |
| 71-99H-306 | 5 | 8 | 2.5 | 0.80 | 0.1 | 0.3 | 0.050 | 16 |
| 71-99H-307 | 5 | 9 | 2.5 | 0.80 | 0.1 | 0.2 | 0.050 | 17 |
| 71-99H-308 | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 7 |
| 71-99H-310 | 3 | 5 | 2.5 | 0.40 | 0.1 | 0.2 | 0.050 | 11 |
| 71-99H-311 | 8 | 13 | 2.5 | 1.10 | 0.1 | 0.5 | 0.070 | 25 |
| 71-99H-312 | 17 | 19 | 13.0 | 2.10 | 0.4 | 0.5 | 0.070 | 52 |
| 71-99H-313 | 12 | 25 | 12.0 | 1.60 | 0.3 | 0.5 | 0.070 | 52 |
| 71-99H-314-1 Field Duplicate | 3 | 2 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-314-2 Field Duplicate | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 7 |
| 71-99H-315 | 22 | 30 | 23.0 | 2.60 | 0.5 | 0.7 | 0.110 | 79 |
| 71-99H-316 | 3 | 2 | 2.5 | 0.40 | 0.1 | 0.1 | 0.050 | 7 |
| 71-99H-317 | 6 | 13 | 2.5 | 0.90 | 0.1 | 0.2 | 0.050 | 22 |
| 71-99H-318 | 18 | 34 | 19.0 | 2.10 | 0.4 | 0.6 | 0.090 | 74 |
| 71-99H-319 | 6 | 11 | 2.5 | 0.90 | 0.1 | 0.2 | 0.050 | 21 |
| 71-99H-320 | 13 | 24 | 12.0 | 1.60 | 0.3 | 0.7 | 0.110 | 51 |
| 71-99H-321 | 3 | 2 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-322 | 6 | 10 | 5.0 | 1.00 | 0.1 | 0.2 | 0.050 | 22 |
| 71-99H-323 | 5 | 7 | 2.5 | 0.70 | 0.1 | 0.3 | 0.050 | 15 |
| 71-99H-324 | 2 | 4 | 2.5 | 0.40 | 0.1 | 0.1 | 0.050 | 9 |
| 71-99H-326 | 51 | 67 | 40.0 | 5.60 | 1.1 | 1.3 | 0.210 | 166 |
| 71-99H-327 | 15 | 22 | 13.0 | 1.90 | 0.3 | 0.5 | 0.080 | 53 |
| 71-99H-328 | 41 | 35 | 30.0 | 4.20 | 0.9 | 1.0 | 0.150 | 112 |
| 71-99H-329-1 Field Duplicate | 10 | 15 | 9.0 | 1.40 | 0.3 | 0.4 | 0.050 | 36 |
| 71-99H-329-2 Field Duplicate | 4 | 8 | 5.0 | 0.70 | 0.1 | 0.1 | 0.050 | 18 |
| 71-99H-330 | 3 | 5 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 11 |
| 71-99H-331 | 7 | 10 | 7.0 | 0.90 | 0.1 | 0.2 | 0.050 | 25 |
| 71-99H-332 | 5 | 8 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 17 |
| 71-99H-333 | 4 | 7 | 2.5 | 0.60 | 0.1 | 0.3 | 0.050 | 15 |
| 71-99H-334 | 5 | 8 | 2.5 | 0.70 | 0.1 | 0.3 | 0.050 | 16 |
| 71-99H-335 | 18 | 31 | 13.0 | 2.20 | 0.5 | 0.8 | 0.120 | 66 |

| Sample Site | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-336 | 31 | 45 | 24.0 | 3.40 | 0.7 | 1.2 | 0.180 | 105 |
| 71-99H-337 | 9 | 13 | 6.0 | 1.30 | 0.2 | 0.3 | 0.050 | 30 |
| 71-99H-338 | 4 | 8 | 2.5 | 0.60 | 0.1 | 0.3 | 0.050 | 16 |
| 71-99H-339 | 12 | 22 | 14.0 | 1.60 | 0.3 | 0.5 | 0.070 | 51 |
| 71-99H-340 | 63 | 96 | 58.0 | 6.30 | 1.3 | 1.3 | 0.170 | 226 |
| 71-99H-341 | 2 | 5 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 10 |
| 71-99H-342 | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 6 |
| 71-99H-343 | 9 | 15 | 12.0 | 1.30 | 0.3 | 0.5 | 0.070 | 38 |
| 71-99H-344 | 2 | 3 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-345 | 12 | 16 | 2.5 | 1.40 | 0.3 | 0.4 | 0.060 | 32 |
| 71-99H-346 | 4 | 5 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 12 |
| 71-99H-347 | 4 | 7 | 8.0 | 0.60 | 0.1 | 0.2 | 0.050 | 19 |
| 71-99H-348 | 5 | 11 | 2.5 | 0.90 | 0.1 | 0.3 | 0.050 | 20 |
| 71-99H-349 | 28 | 37 | 18.0 | 3.50 | 0.6 | 0.7 | 0.110 | 88 |
| 71-99H-350 | 4 | 10 | 2.5 | 0.70 | 0.1 | 0.4 | 0.060 | 18 |
| 71-99H-351 | 18 | 37 | 17.0 | 2.10 | 0.5 | 0.5 | 0.080 | 76 |

## Appendix H-5

# Duplicate Pair INA Analyses.

| Element | UTM Easting | UTM Northing | Au pb | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Fe % | Hf ppm | Mo ppm | Na % | Rb ppm | Sb ppm | Sc ppm | Th ppm | U ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71-99H-21-1 Field Duplicate | 384823.47 | 6085301.09 | 1 | 2.2 | 100 | 16.0 | 4 | 2.0 | 7.0 | 0.40 | 0.50 | 6.0 | 0.07 | 16.0 | 0.05 | 1.4 | 1.3 | 0.25 | 25 |
| 71-99H-21-2 Field Duplicate | 384823.47 | 6085301.09 | 1 | 3.5 | 210 | 7.8 | 2 | 2.0 | 10.0 | 0.45 | 0.50 | 0.5 | 0.14 | 16.0 | 0.50 | 2.2 | 1.4 | 0.25 | 25 |
| 71-99H-41-1 Field Duplicate | 391167.56 | 6086589.75 | 1 | 4.0 | 160 | 17.2 | 1 | 6.0 | 21.0 | 1.40 | 1.00 | 0.5 | 0.31 | 7.5 | 0.05 | 4.3 | 5.2 | 0.25 | 25 |
| 71-99H-41-2 Field Duplicate | 391167.56 | 6086589.75 | 1 | 5.9 | 200 | 25.6 | 1 | 11.0 | 14.0 | 1.00 | 0.50 | 0.5 | 0.15 | 21.0 | 0.50 | 3.0 | 3.3 | 0.25 | 25 |
| 71-99H-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1 | 1.4 | 110 | 18.4 | 4 | 6.0 | 2.5 | 0.46 | 0.50 | 0.5 | 0.17 | 7.5 | 0.05 | 1.7 | 1.3 | 0.25 | 25 |
| 71-99H-70-2 Field Duplicate | 377176.25 | 6084802.55 | 1 | 3.5 | 160 | 18.8 | 1 | 8.0 | 22.0 | 0.80 | 0.50 | 0.5 | 0.28 | 7.5 | 0.05 | 2.8 | 2.8 | 0.25 | 25 |
| 71-99H-82-1 Field Duplicate | 372516.50 | 6088851.06 | 1 | 1.8 | 150 | 23.2 | 4 | 3.0 | 6.0 | 0.43 | 0.50 | 5.0 | 0.10 | 7.5 | 0.05 | 1.2 | 1.5 | 4.80 | 25 |
| 71-99H-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1 | 1.6 | 130 | 22.3 | 6 | 2.0 | 2.5 | 0.43 | 1.00 | 4.0 | 0.13 | 7.5 | 0.05 | 1.3 | 1.5 | 4.30 | 25 |
| 71-99H-101-1 Field Duplicate | 364004.46 | 6090265.61 | 1 | 2.2 | 300 | 6.2 | 1 | 5.0 | 14.0 | 0.76 | 1.00 | 0.5 | 0.30 | 7.5 | 0.40 | 2.8 | 2.2 | 0.25 | 51 |
| 71-99H-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1 | 1.7 | 25 | 6.3 | 1 | 2.0 | 2.5 | 0.35 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 1.1 | 0.7 | 0.25 | 54 |
| 71-99H-124-1 Field Duplicate | 362147.22 | 6090729.66 | 1 | 1.5 | 100 | 15.3 | 6 | 4.0 | 7.0 | 0.29 | 0.50 | 0.5 | 0.07 | 7.5 | 0.10 | 1.1 | 1.2 | 1.90 | 25 |
| 71-99H-124-2 Field Duplicate | 362147.22 | 6090729.66 | 1 | 1.0 | 74 | 18.1 | 6 | 3.0 | 2.5 | 0.15 | 0.50 | 0.5 | 0.04 | 7.5 | 0.05 | 0.6 | 0.4 | 1.10 | 25 |
| 71-99H-141-1 Field Duplicate | 362142.99 | 6084076.48 | 5 | 3.9 | 190 | 9.5 | 2 | 9.0 | 25.0 | 1.24 | 1.00 | 0.5 | 0.31 | 42.0 | 0.05 | 4.0 | 3.2 | 0.25 | 115 |
| 71-99H-141-2 Field Duplicate | 362142.99 | 6084076.48 | 1 | 4.0 | 150 | 3.8 | 1 | 4.0 | 10.0 | 0.44 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 1.4 | 1.2 | 0.25 | 25 |
| 71-99H-219-1 Field Duplicate | 367825.77 | 6068425.98 | 4 | 2.9 | 220 | 8.7 | 2 | 7.0 | 24.0 | 1.24 | 0.50 | 0.5 | 0.17 | 38.0 | 0.20 | 4.5 | 4.9 | 0.25 | 25 |
| 71-99H-219-2 Field Duplicate | 367825.77 | 6068425.98 | 5 | 2.5 | 300 | 7.9 | 2 | 7.0 | 28.0 | 1.64 | 0.50 | 0.5 | 0.19 | 42.0 | 0.30 | 4.9 | 5.1 | 0.25 | 25 |
| 71-99H-225-1 Field Duplicate | 350702.40 | 6083206.61 | 1 | 2.1 | 160 | 27.9 | 4 | 5.0 | 19.0 | 0.90 | 0.50 | 0.5 | 0.12 | 7.5 | 0.05 | 3.0 | 4.7 | 1.90 | 25 |
| 71-99H-225-2 Field Duplicate | 350702.40 | 6083206.61 | 1 | 1.7 | 25 | 18.0 | 4 | 3.0 | 2.5 | 0.10 | 0.50 | 0.5 | 0.02 | 7.5 | 0.05 | 0.2 | 0.3 | 1.20 | 63 |
| 71-99H-230-1 Field Duplicate | 355405.44 | 6076684.24 | 1 | 4.3 | 120 | 10.6 | 1 | 5.0 | 7.0 | 0.24 | 0.50 | 0.5 | 0.06 | 7.5 | 0.30 | 0.7 | 0.6 | 0.25 | 91 |
| 71-99H-230-2 Field Duplicate | 355405.44 | 6076684.24 | 1 | 3.0 | 180 | 11.1 | 1 | 5.0 | 10.0 | 0.46 | 0.50 | 0.5 | 0.13 | 7.5 | 0.30 | 1.9 | 1.6 | 0.25 | 25 |
| 71-99H-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1 | 8.4 | 110 | 15.0 | 1 | 3.0 | 11.0 | 0.54 | 0.50 | 0.5 | 0.19 | 7.5 | 0.50 | 1.9 | 2.0 | 0.25 | 25 |
| 71-99H-248-2 Field Duplicate | 363998.87 | 6080166.06 | 1 | 7.7 | 100 | 17.8 | 2 | 2.0 | 8.0 | 0.50 | 0.50 | 0.5 | 0.14 | 7.5 | 0.40 | 1.6 | 1.0 | 0.25 | 57 |
| 71-99H-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1 | 4.8 | 120 | 11.5 | 1 | 2.0 | 10.0 | 0.44 | 0.50 | 0.5 | 0.15 | 22.0 | 0.40 | 1.4 | 0.9 | 0.25 | 63 |
| 71-99H-276-2 Field Duplicate | 385148.66 | 6077248.38 | 3 | 4.1 | 140 | 15.2 | 1 | 3.0 | 7.0 | 0.40 | 0.50 | 0.5 | 0.18 | 22.0 | 0.40 | 1.5 | 1.1 | 0.25 | 56 |
| 71-99H-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1 | 4.2 | 110 | 8.7 | 1 | 2.0 | 11.0 | 0.33 | 0.50 | 4.0 | 0.10 | 7.5 | 0.60 | 1.2 | 0.8 | 0.25 | 25 |
| 71-99H-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1 | 5.7 | 150 | 12.2 | 1 | 1.0 | 9.0 | 0.30 | 0.50 | 4.0 | 0.10 | 7.5 | 0.60 | 1.2 | 0.7 | 0.25 | 25 |
| 71-99H-305-1 Field Duplicate | 373257.01 | 6080611.99 | 1 | 2.9 | 200 | 18.7 | 2 | 5.0 | 17.0 | 0.76 | 1.00 | 0.5 | 0.21 | 7.5 | 0.30 | 3.0 | 2.6 | 0.80 | 62 |
| 71-99H-305-2 Field Duplicate | 373257.01 | 6080611.99 | 1 | 3.1 | 310 | 12.5 | 2 | 6.0 | 21.0 | 0.81 | 4.00 | 0.5 | 0.82 | 7.5 | 0.30 | 3.7 | 3.4 | 1.30 | 52 |
| 71-99H-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1 | 6.0 | 180 | 13.2 | 1 | 2.0 | 2.5 | 0.34 | 0.50 | 0.5 | 0.16 | 7.5 | 0.30 | 1.1 | 0.3 | 0.25 | 105 |
| 71-99H-314-2 Field Duplicate | 380441.27 | 6077362.52 | 1 | 5.6 | 25 | 16.0 | 1 | 2.0 | 2.5 | 0.34 | 0.50 | 0.5 | 0.15 | 7.5 | 0.20 | 1.1 | 0.4 | 0.25 | 111 |

| Element | UTM | | Au | As | Ba | Br | Ca | Co | Cr | Fe | Hf | Mo | Na | Rb | Sb | Sc | Th | U | Zn |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | pb | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| 71-99H-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1 | 4.5 | 130 | 15.4 | 3 | 3.0 | 18.0 | 0.89 | 1.00 | 0.5 | 0.22 | 25.0 | 0.20 | 2.7 | 3.0 | 2.10 | 59 |
| 71-99H-329-2 Field Duplicate | 373524.62 | 6072776.30 | 1 | 4.3 | 110 | 8.9 | 1 | 2.0 | 8.0 | 0.43 | 0.50 | 0.5 | 0.11 | 18.0 | 0.40 | 1.4 | 1.1 | 0.80 | 25 |

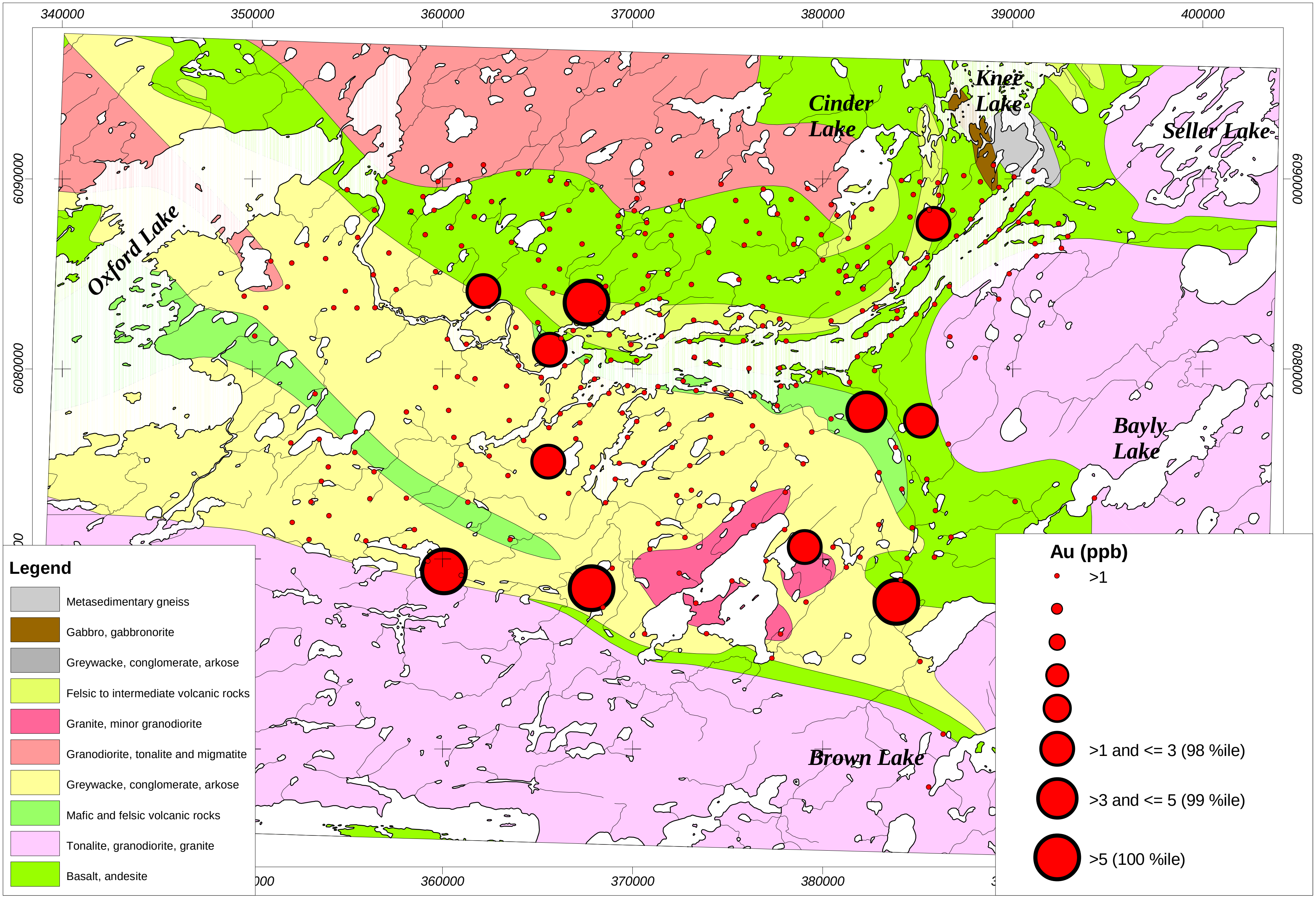
| Element | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-21-1 Field Duplicate | 4 | 6 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 13 |
| 71-99H-21-2 Field Duplicate | 6 | 10 | 2.5 | 0.70 | 0.1 | 0.1 | 0.050 | 20 |
| | | | | | | | | |
| 71-99H-41-1 Field Duplicate | 17 | 24 | 9.0 | 1.90 | 0.3 | 0.6 | 0.080 | 53 |
| 71-99H-41-2 Field Duplicate | 15 | 24 | 2.5 | 1.60 | 0.3 | 0.4 | 0.060 | 43 |
| | | | | | | | | |
| 71-99H-70-1 Field Duplicate | 13 | 2 | 2.5 | 1.60 | 0.5 | 0.1 | 0.025 | 19 |
| 71-99H-70-2 Field Duplicate | 19 | 20 | 12.0 | 2.60 | 1.0 | 0.1 | 0.025 | 55 |
| | | | | | | | | |
| 71-99H-82-1 Field Duplicate | 5 | 10 | 2.5 | 0.60 | 0.4 | 0.1 | 0.025 | 19 |
| 71-99H-82-2 Field Duplicate | 6 | 10 | 2.5 | 0.70 | 0.4 | 0.4 | 0.060 | 20 |
| | | | | | | | | |
| 71-99H-101-1 Field Duplicate | 11 | 22 | 6.0 | 1.50 | 0.4 | 0.6 | 0.100 | 42 |
| 71-99H-101-2 Field Duplicate | 3 | 5 | 2.5 | 0.50 | 0.3 | 0.1 | 0.050 | 12 |
| | | | | | | | | |
| 71-99H-124-1 Field Duplicate | 3 | 5 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 12 |
| 71-99H-124-2 Field Duplicate | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 6 |
| | | | | | | | | |
| 71-99H-141-1 Field Duplicate | 13 | 30 | 9.0 | 1.90 | 0.5 | 0.7 | 0.120 | 55 |
| 71-99H-141-2 Field Duplicate | 6 | 12 | 2.5 | 0.80 | 0.1 | 0.1 | 0.050 | 21 |
| | | | | | | | | |
| 71-99H-219-1 Field Duplicate | 55 | 125 | 46.0 | 7.40 | 1.5 | 1.2 | 0.180 | 236 |
| 71-99H-219-2 Field Duplicate | 54 | 128 | 43.0 | 7.80 | 1.5 | 1.1 | 0.170 | 236 |
| | | | | | | | | |
| 71-99H-225-1 Field Duplicate | 15 | 19 | 11.0 | 2.10 | 0.6 | 0.5 | 0.110 | 48 |
| 71-99H-225-2 Field Duplicate | 1 | 2 | 2.5 | 0.05 | 0.1 | 0.1 | 0.050 | 5 |
| | | | | | | | | |
| 71-99H-230-1 Field Duplicate | 2 | 8 | 2.5 | 0.40 | 0.3 | 0.1 | 0.050 | 13 |
| 71-99H-230-2 Field Duplicate | 5 | 10 | 2.5 | 0.70 | 0.1 | 0.3 | 0.050 | 18 |
| | | | | | | | | |
| 71-99H-248-1 Field Duplicate | 5 | 11 | 15.0 | 0.90 | 0.1 | 0.4 | 0.060 | 33 |
| 71-99H-248-2 Field Duplicate | 5 | 10 | 12.0 | 0.90 | 0.1 | 0.3 | 0.050 | 28 |
| | | | | | | | | |
| 71-99H-276-1 Field Duplicate | 4 | 7 | 2.5 | 0.60 | 0.1 | 0.3 | 0.050 | 14 |
| 71-99H-276-2 Field Duplicate | 4 | 8 | 2.5 | 0.70 | 0.2 | 0.1 | 0.050 | 16 |
| | | | | | | | | |
| 71-99H-292-1 Field Duplicate | 3 | 6 | 2.5 | 0.50 | 0.1 | 0.3 | 0.050 | 12 |
| 71-99H-292-2 Field Duplicate | 3 | 5 | 2.5 | 0.50 | 0.1 | 0.2 | 0.050 | 11 |
| | | | | | | | | |
| 71-99H-305-1 Field Duplicate | 9 | 19 | 6.0 | 1.50 | 0.3 | 0.4 | 0.060 | 37 |
| 71-99H-305-2 Field Duplicate | 13 | 23 | 9.0 | 1.80 | 0.4 | 1.0 | 0.150 | 48 |
| | | | | | | | | |
| 71-99H-314-1 Field Duplicate | 3 | 2 | 2.5 | 0.50 | 0.1 | 0.1 | 0.050 | 8 |
| 71-99H-314-2 Field Duplicate | 2 | 2 | 2.5 | 0.30 | 0.1 | 0.1 | 0.050 | 7 |

| Element | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Yb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|
| 71-99H-329-1 Field Duplicate | 10 | 15 | 9.0 | 1.40 | 0.3 | 0.4 | 0.050 | 36 |
| 71-99H-329-2 Field Duplicate | 4 | 8 | 5.0 | 0.70 | 0.1 | 0.1 | 0.050 | 18 |

Appendix H-6: INAA Percentile Bubble Plots.

| | | | | |
|---|---|---|---|---|
| Au | As | Ba | Br | Ca |
| Co | Cr | Fe | Hf | Mo |
| Na | Rb | Sb | Sc | Th |
| U | Zn | Total REE | | |

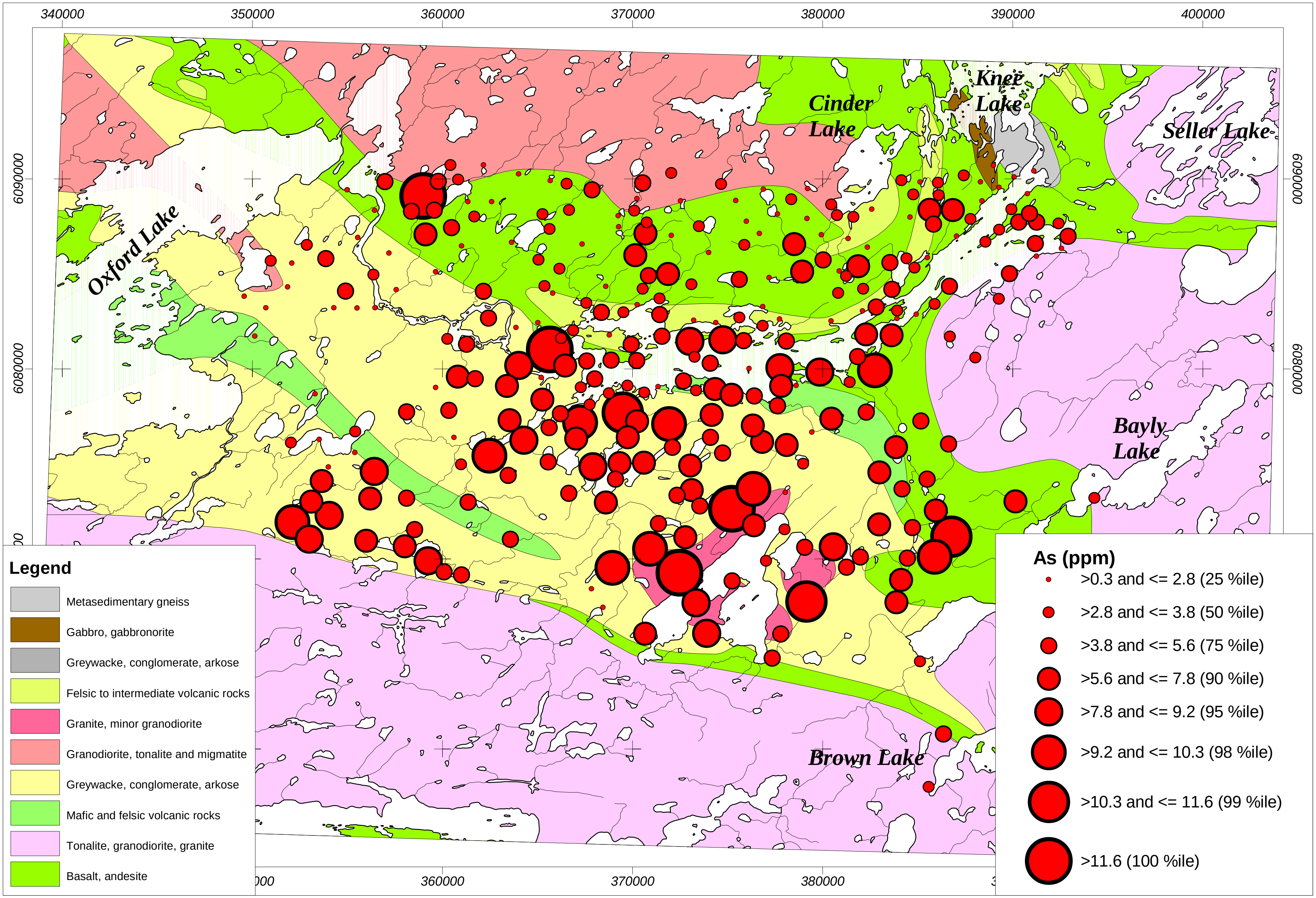
CONTENTS

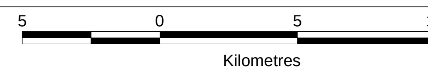



MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

Appendix H-6-1

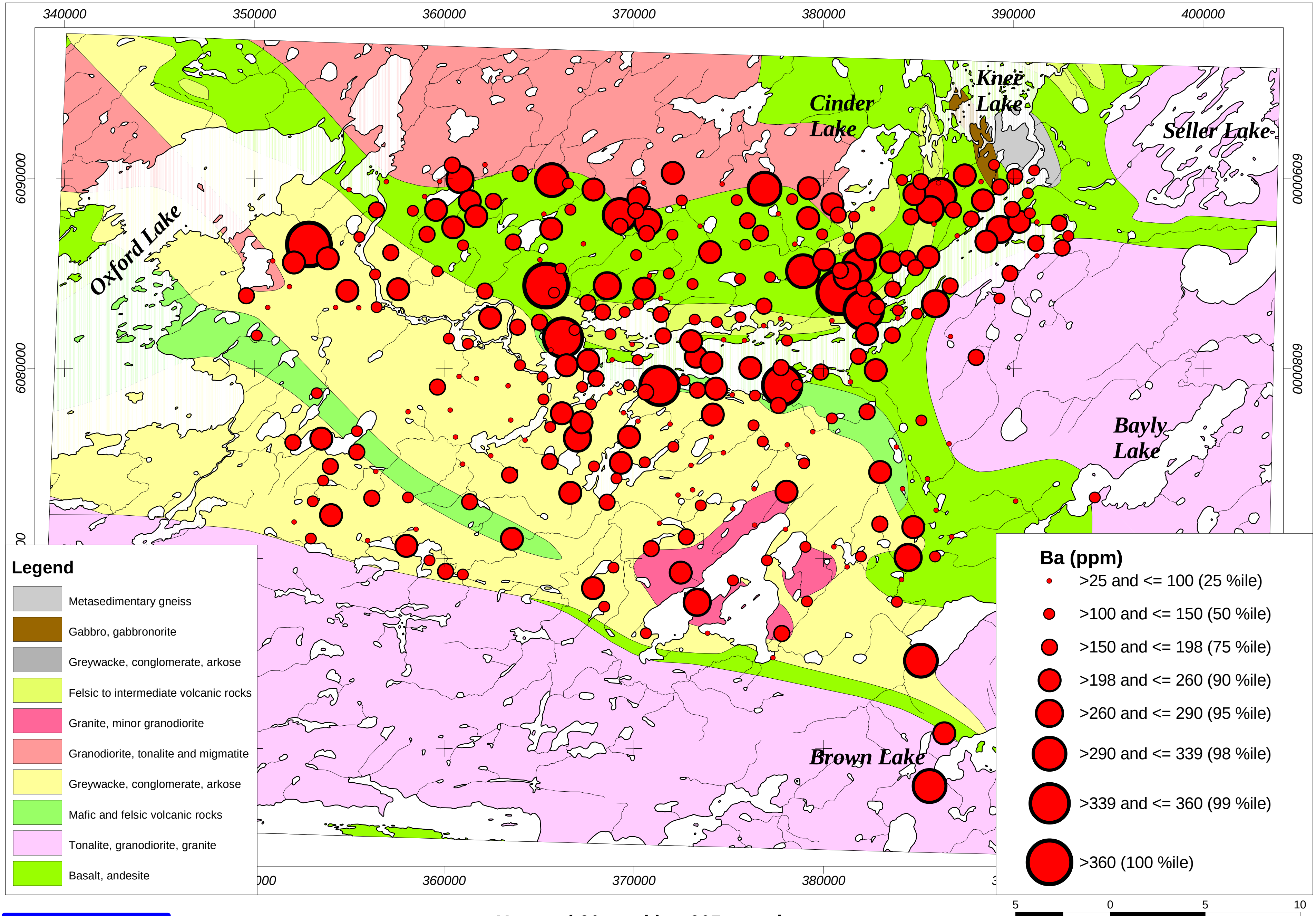



**MENU**

**Humus (-80 mesh) - 305 samples**
**INAA**

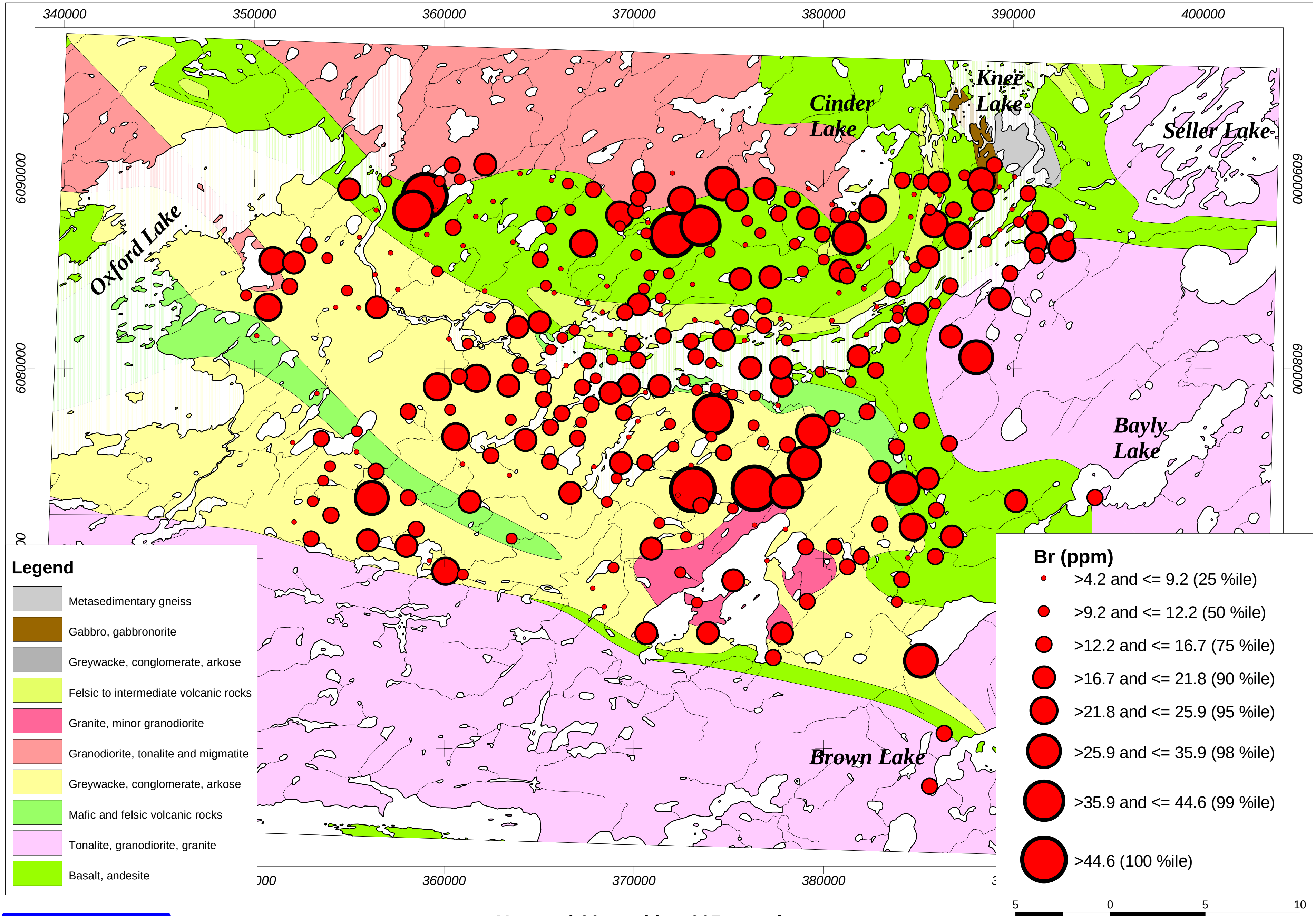
Appendix H-6-2




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

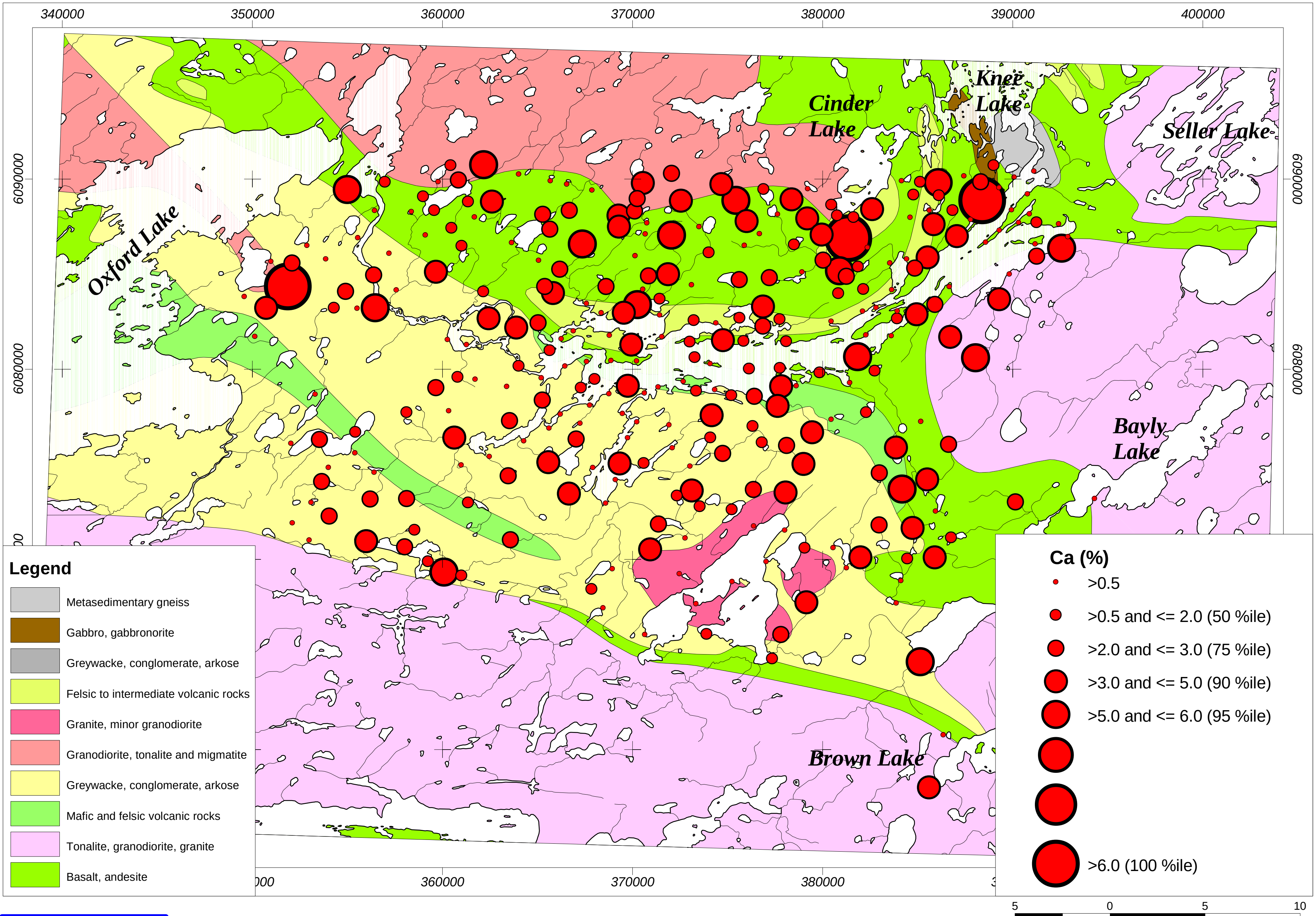
Appendix H-6-3




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

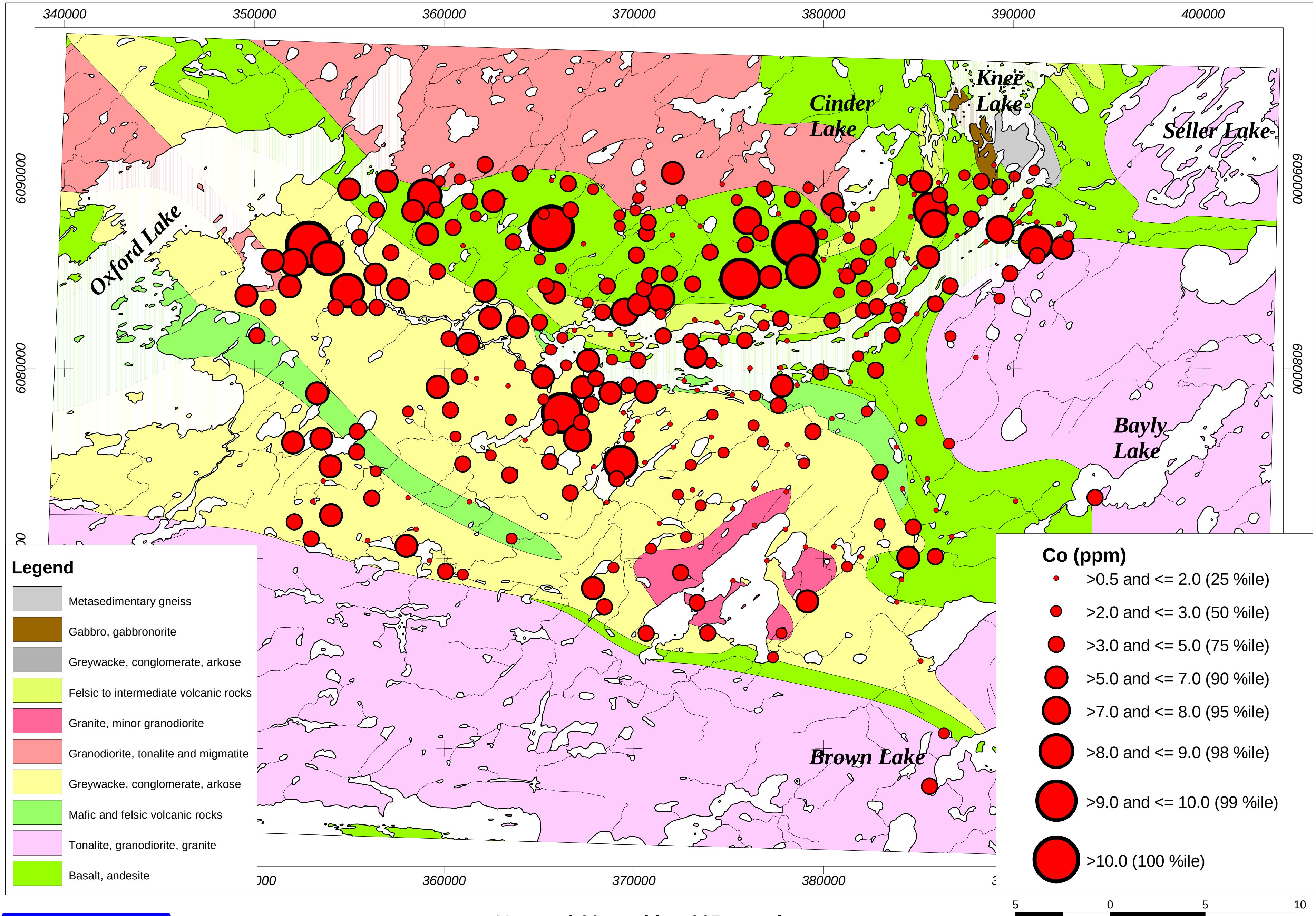
Appendix H-6-4




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

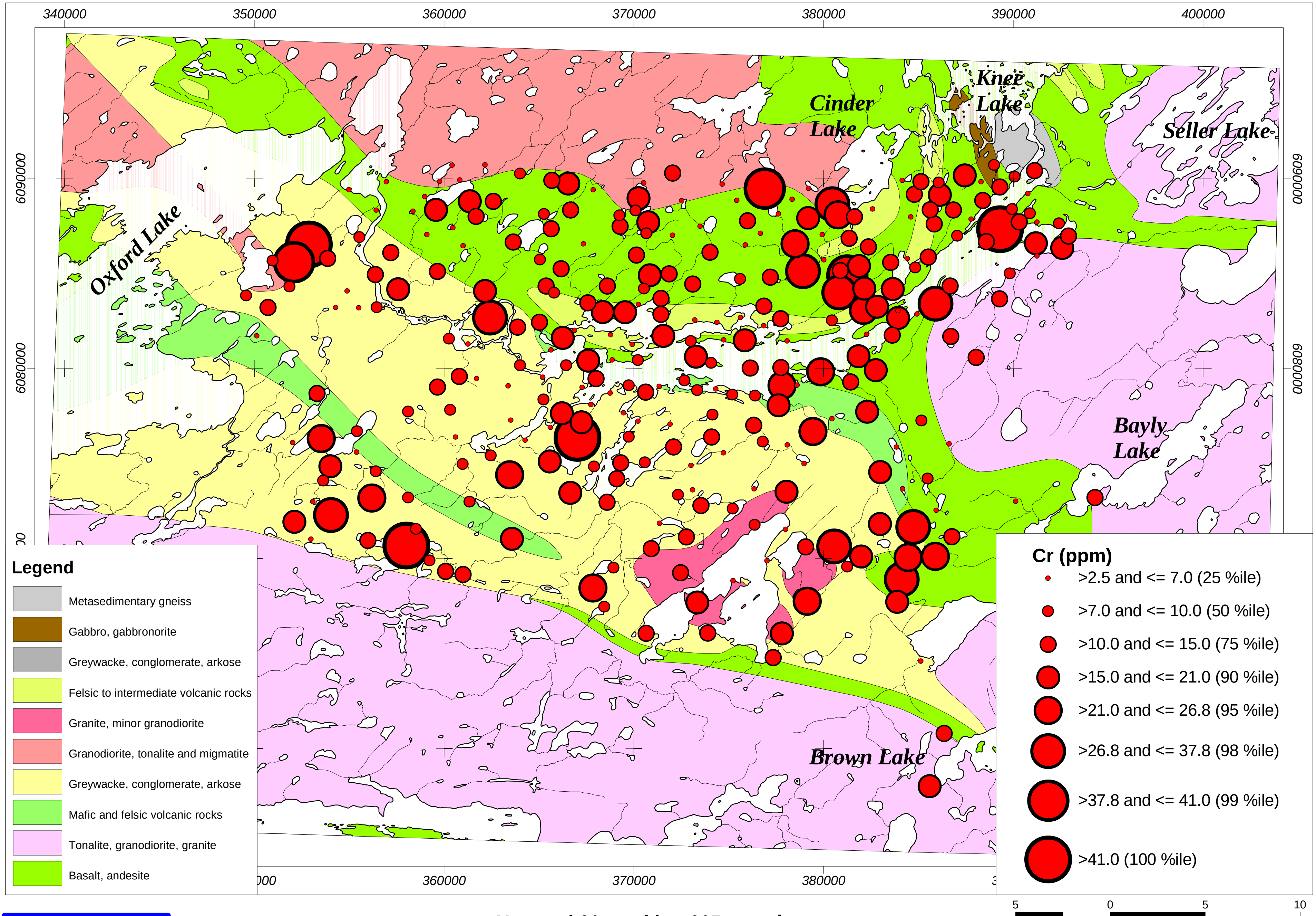
Appendix H-6-5




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

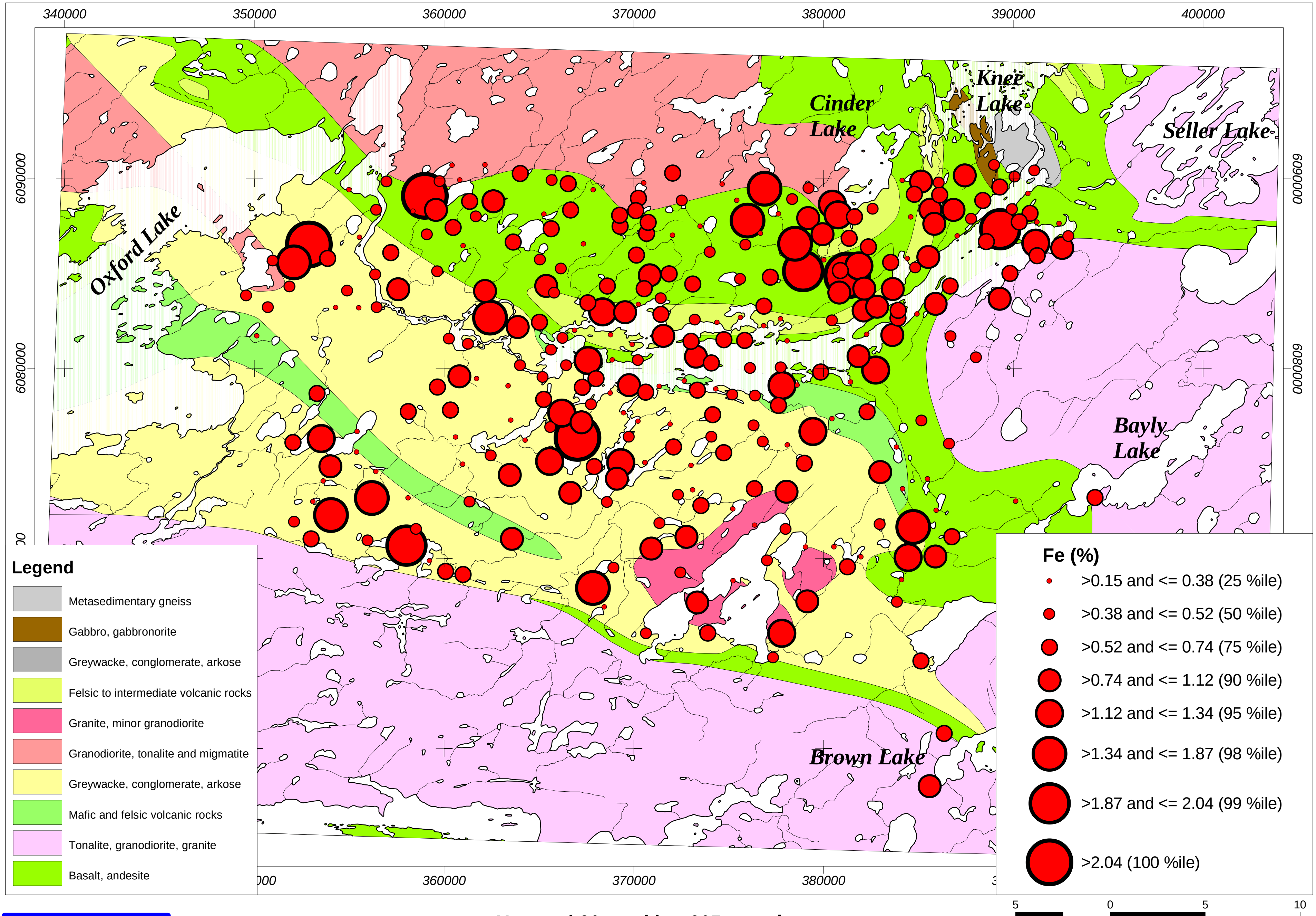
Appendix H-6-6




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

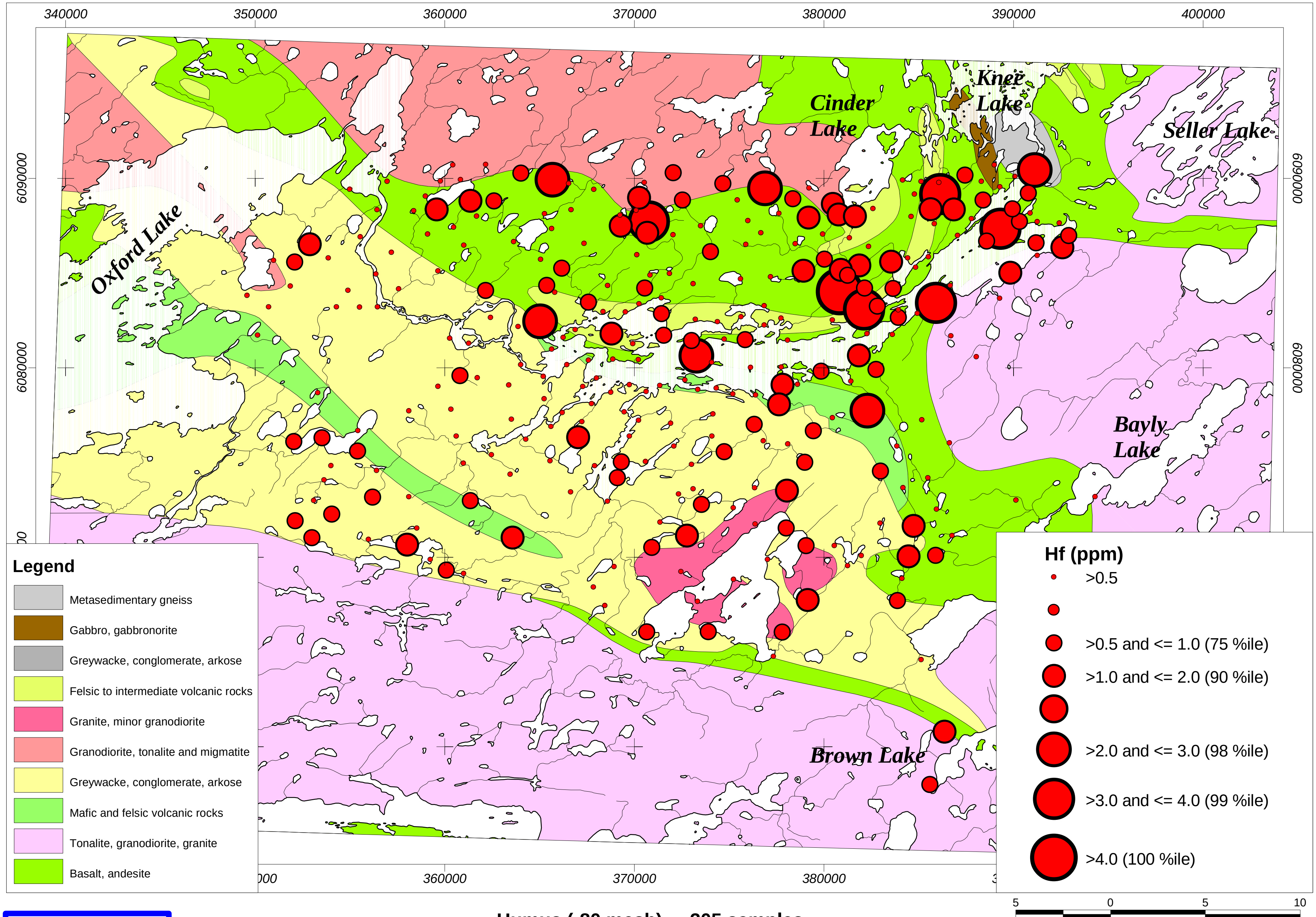
Appendix H-6-7




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

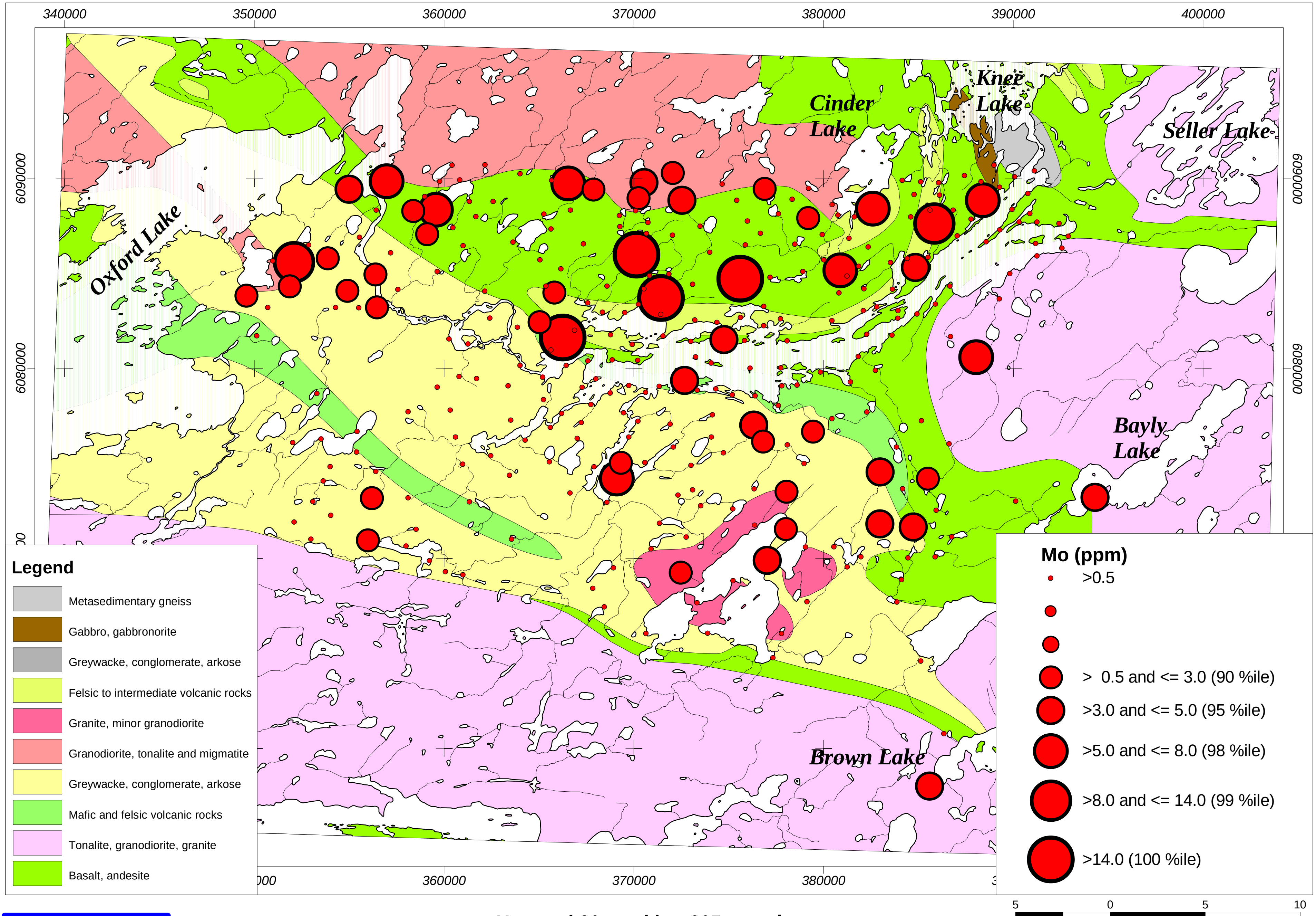
Appendix H-6-8




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

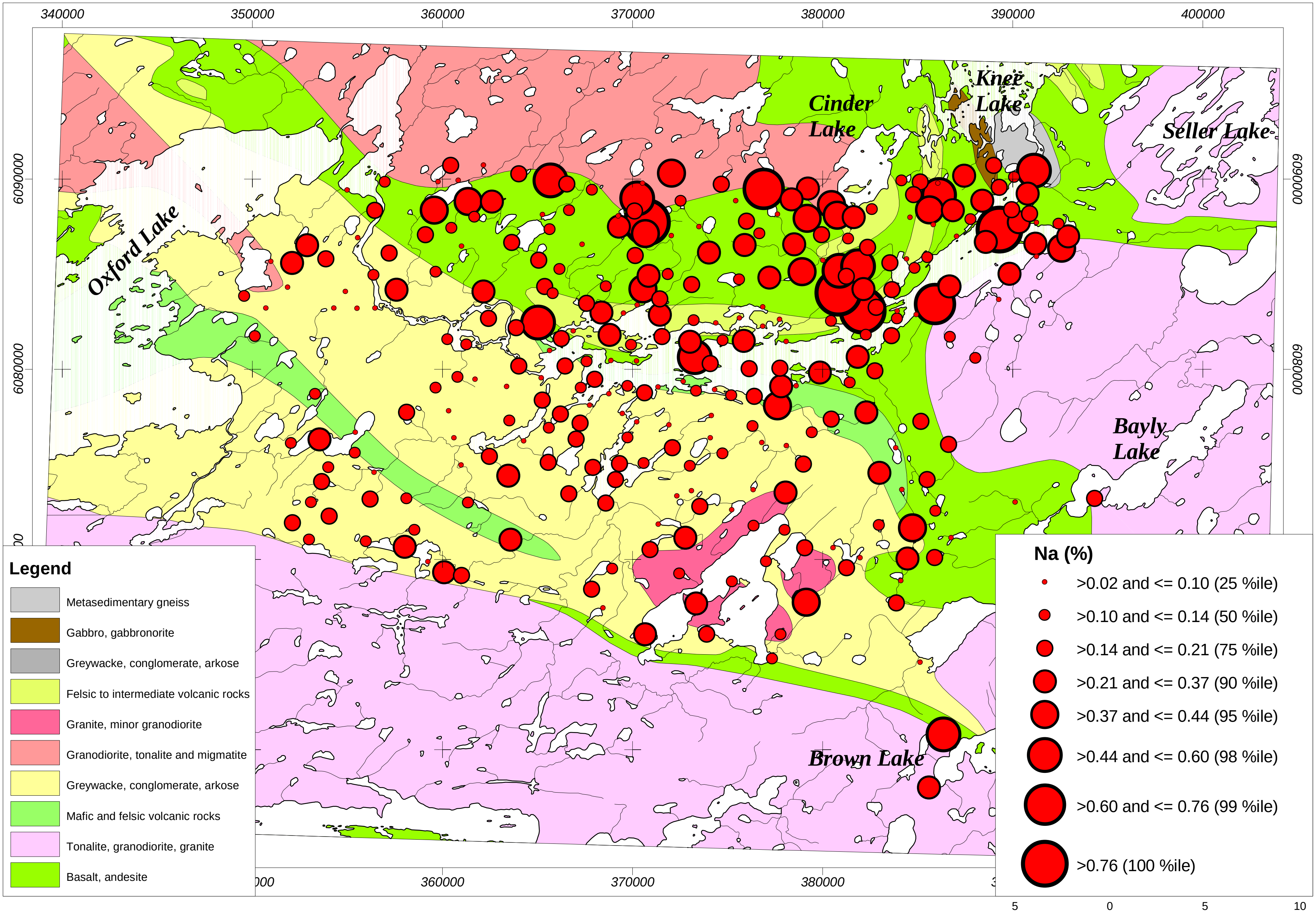
Appendix H-6-9




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

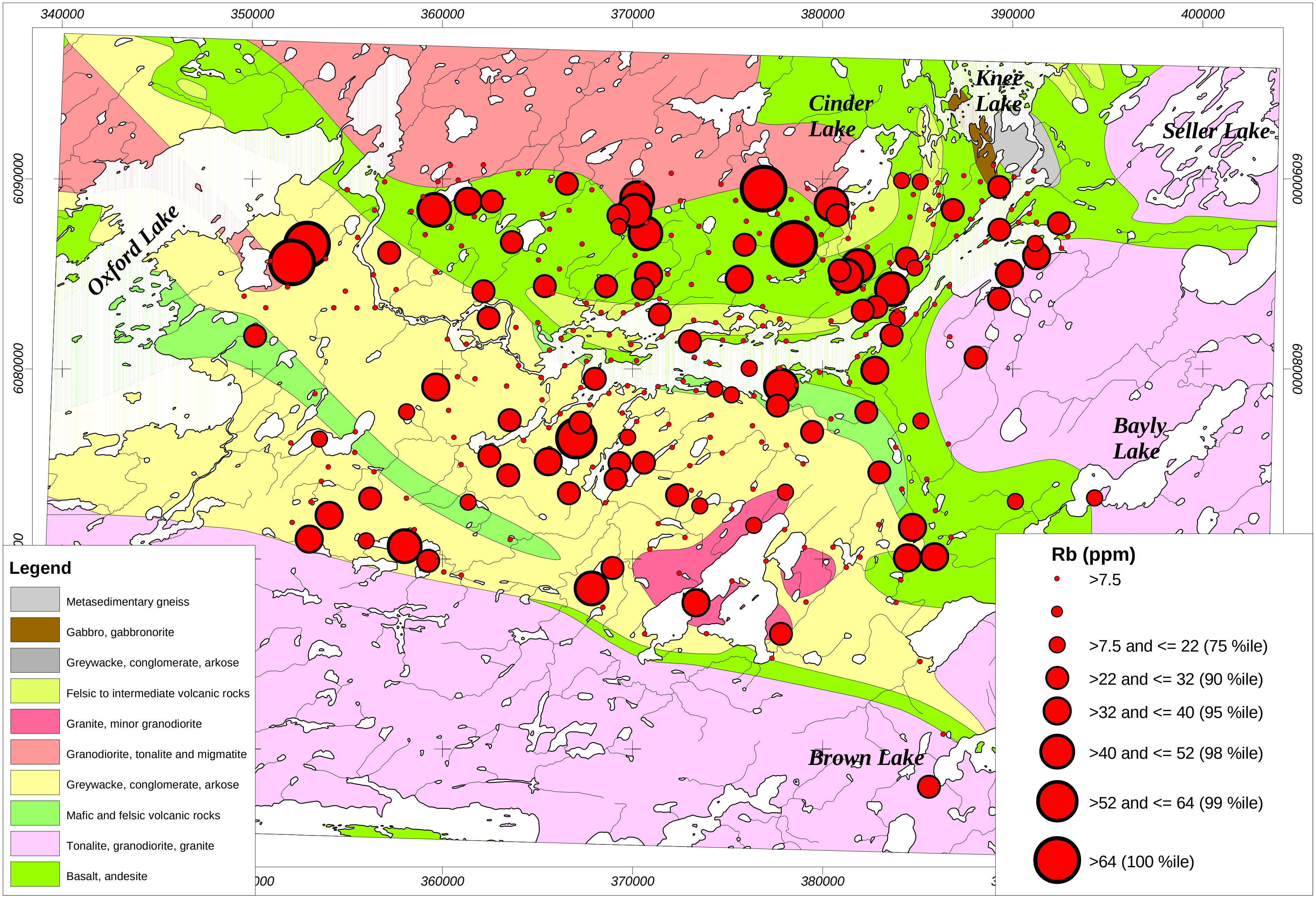
Appendix H-6-10




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

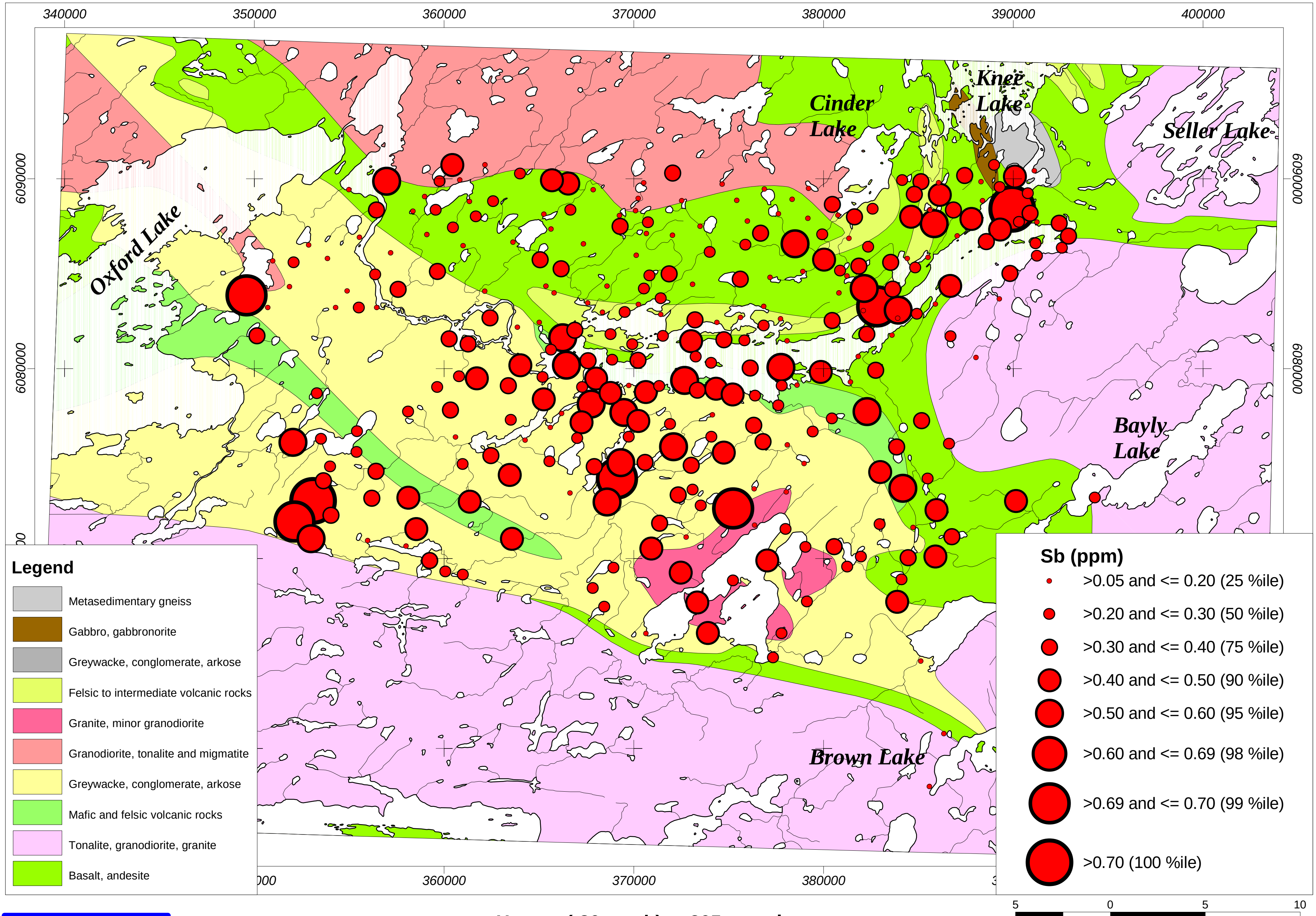
Appendix H-6-11




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

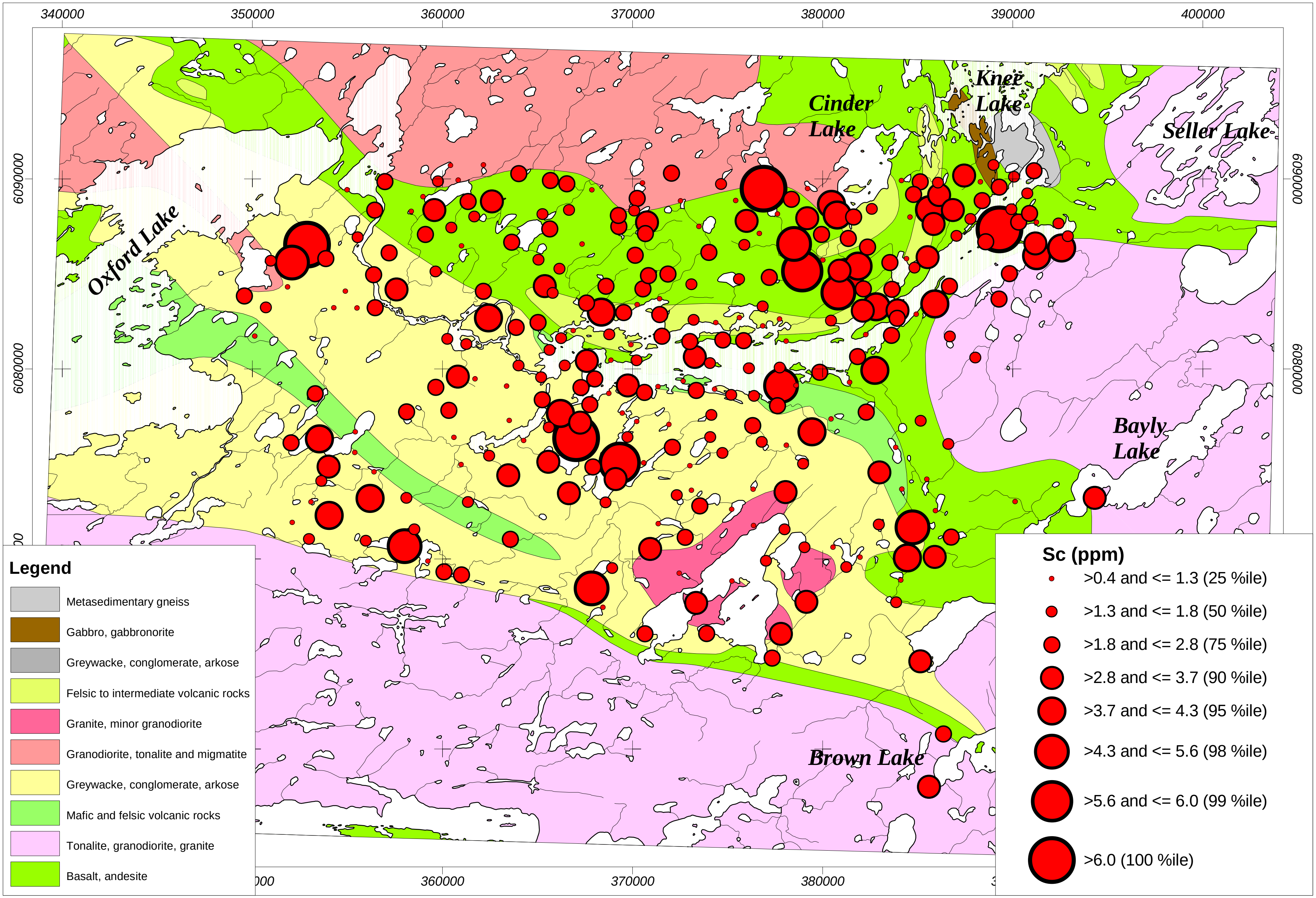
Appendix H-6-12




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

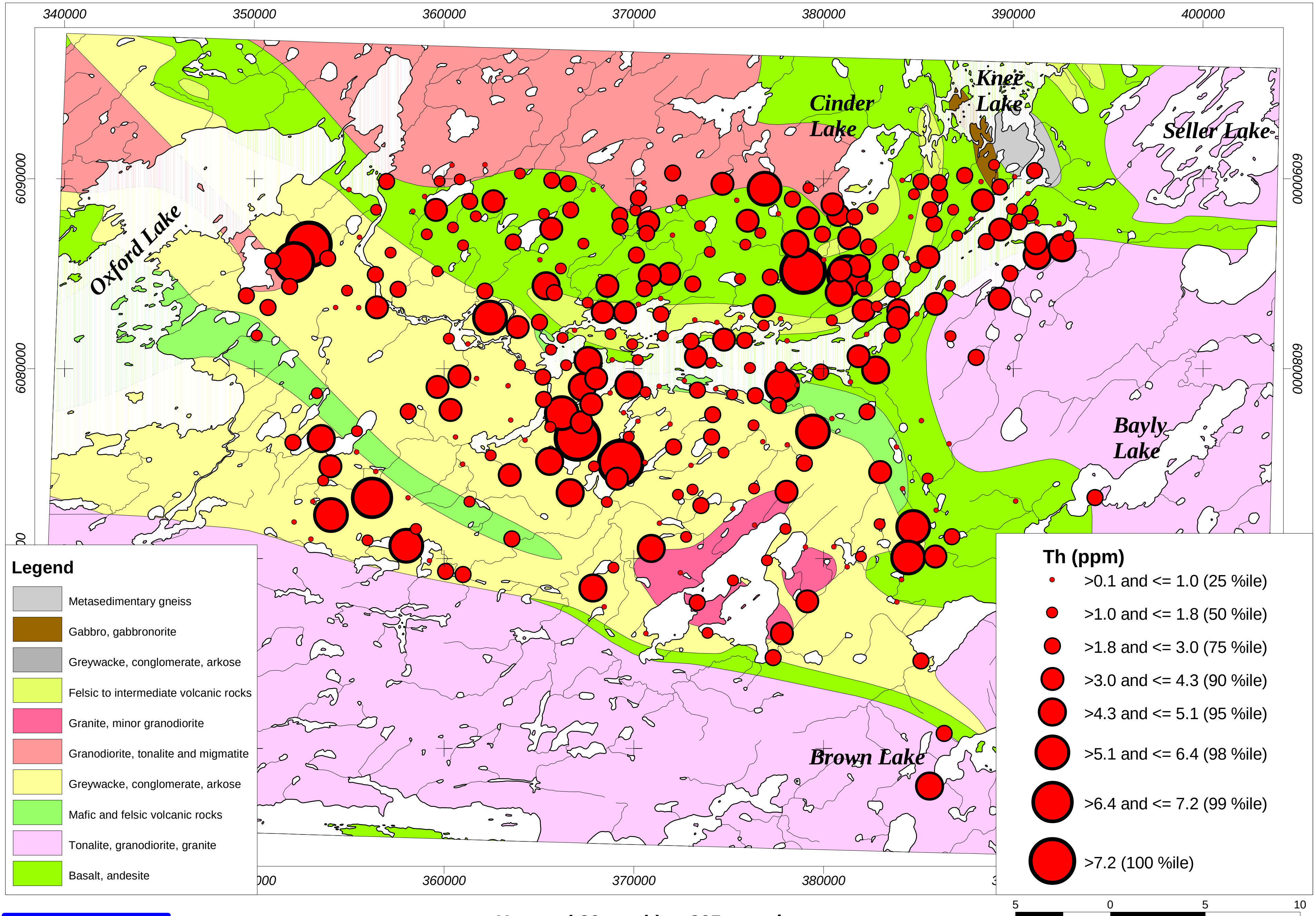
Appendix H-6-13




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

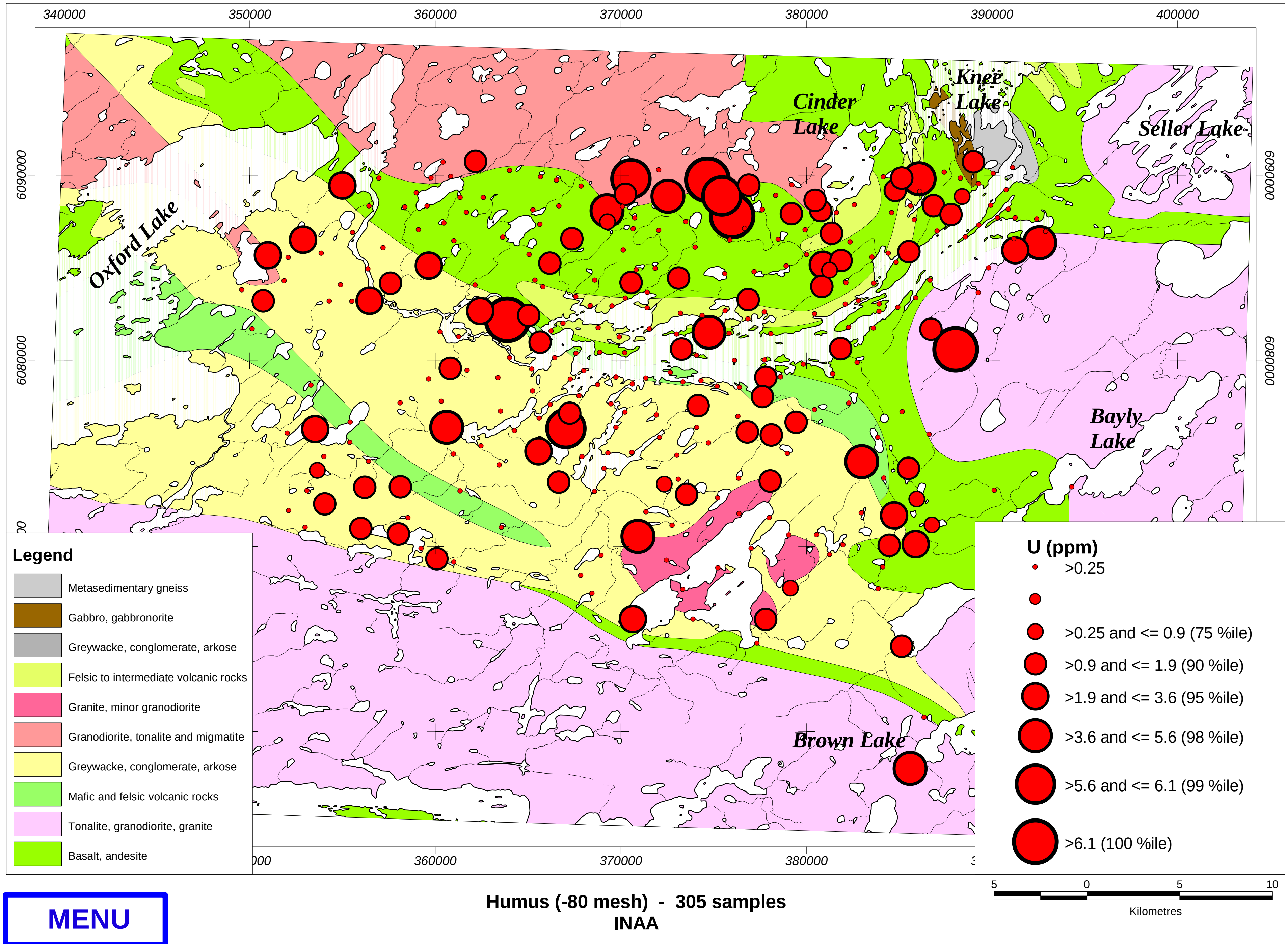
Appendix H-6-14




MENU

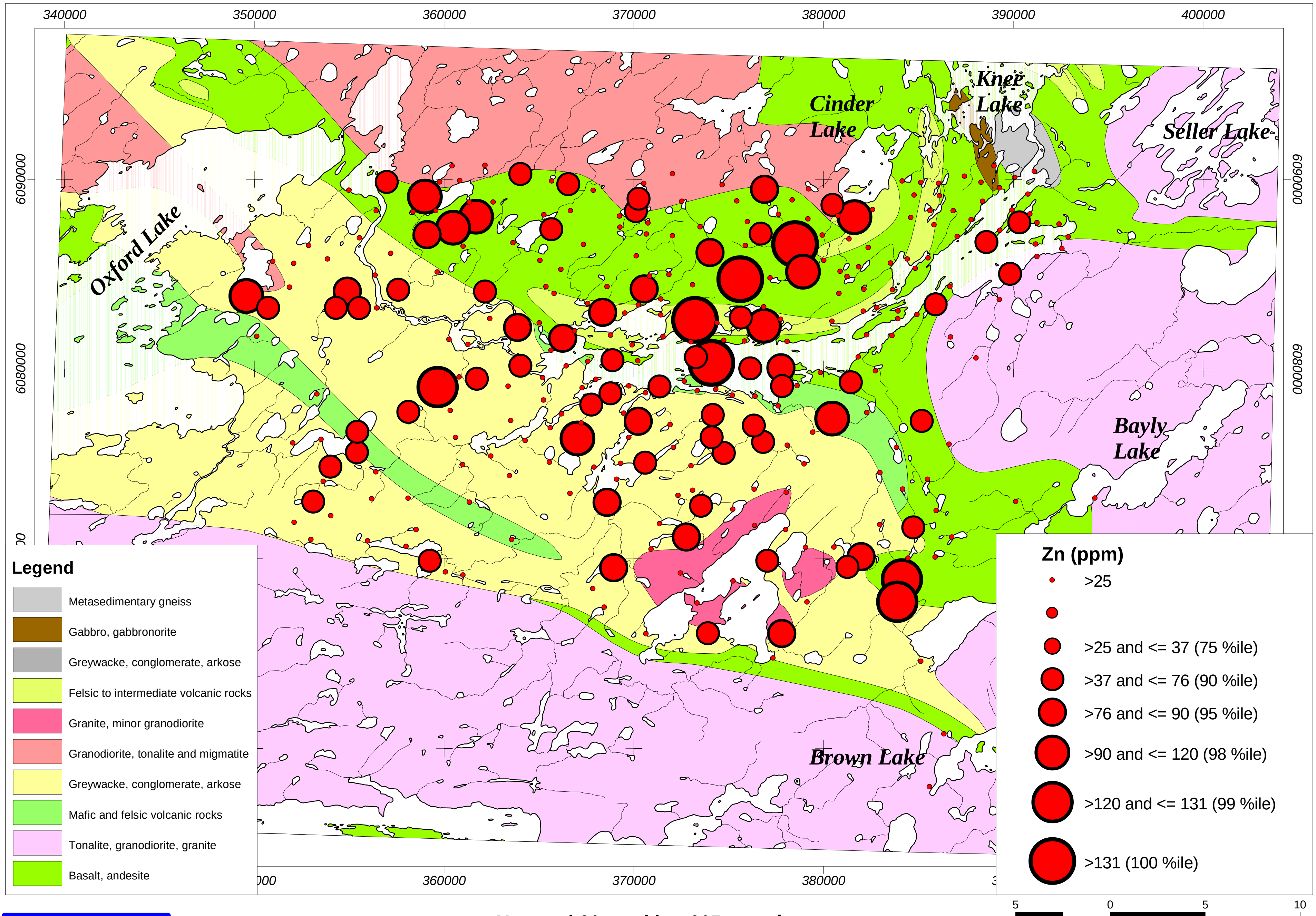
**Humus (-80 mesh) - 305 samples**
**INAA**

Appendix H-6-15




**Humus (-80 mesh) - 305 samples**
**INAA**

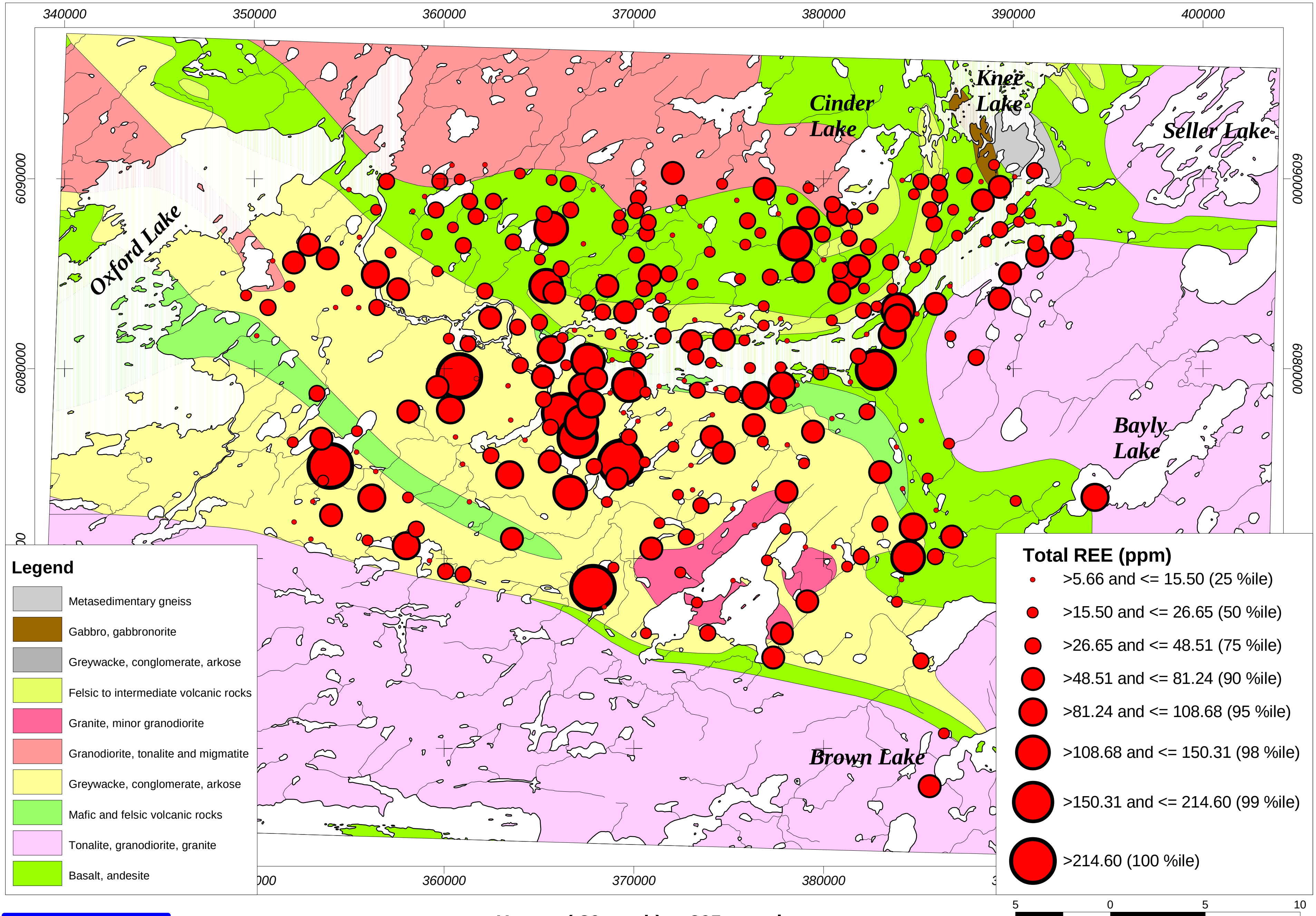
Appendix H-6-16




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

Appendix H-6-17




MENU

**Humus (-80 mesh) - 305 samples**
**INAA**

Appendix H-6-18

## VEGETATION GEOCHEMICAL SURVEY

### Introduction

Unlike the 1996 survey, in 1999 only black spruce (Picea mariana) crown twigs were sampled and analyzed. This modification to the sampling plan was instituted due to higher contrast geochemical response for most elements in the crown twigs. Data interpretation proceeds in an element by element format; results for INAA and ICP-AES are discussed separately.

It should be noted that unlike rocks, soils, lake sediments and other types of geochemical sample media, trees and other plants have certain nutrient requirements in order to survive. This effectively divides elements into essential and non-essential categories. For these reasons, the essential element Zn, which is necessary for plant metabolism, must be interpreted with caution since subtle variations in the Zn concentrations of vegetation samples from site to site may only reflect the general state of the health of the tree. Major differences may indicate the presence of mineralization containing Zn or a Zn-enriched substrate. Tables 8 and 9 summarize essential and non-essential elements and their role in plant function.

### Sample collection

Samples of twigs from the crowns of black spruce (Picea mariana) were collected from each sampling site. Sampling was undertaken over an 8-week period between June and August, 1999. At most sites, the vegetation samples were collected from within 20 m of the till sampling pit. Black spruce was selected as the target sampling medium on the basis of its ubiquitous presence throughout the survey area and for its usefulness in delineating metal-enriched substrates in other vegetation geochemical surveys (Fedikow and Dunn, 1996). Black spruce crown twigs were obtained by cutting down the tree and collecting the upper 45 cm of the tree using anvil-type pruning shears. These samples were stored in labelled, brown paper bags and allowed to dry before preparation.

### Sample preparation and analysis

Subsequent to drying, the needles and cones were removed from the crown twigs and stored separately for future study. For twig samples, approximately 50 g of material was weighed into aluminum trays and the trays placed into a pottery kiln. The kiln temperature was raised incrementally over a 2-3 hour time period to a maximum of 470$^{o}$C. This temperature was maintained for 12 hours at which time the vegetation had been reduced to about 1 g of ash without charcoal. One half of this ash was accurately weighed into polyethylene vials and submitted for instrumental neutron activation analysis. The second split of the ash was submitted for ICP-AES analysis subsequent to an aqua regia dissolution. Both analytical approaches to vegetation ashes were undertaken at Activation Laboratories Ltd. (Ancaster, Ontario). The aqua regia dissolution is a total digestion for most metals but is only partial for some elements (such as Ni and Zn). The element distribution patterns for elements that are only partially taken into solution by the aqua regia digest are considered to be valid since analytical precision for most elements is acceptable. Geochemical data is presented in Appendices V-1 (ICP-AES) and V-4 (INAA); duplicate pair geochemical data is given in Appendices V-2 (ICP-AES) and V-5 (INAA). Percentile bubble plots are presented in Appendices V-3 (ICP-AES) and V-6 (INAA).

### Results

#### Ash

Ash contents in black spruce crown twigs are relatively consistent across the 1999 survey area with the exception of six sites within 5 km of Oxford Lake. These 100$^{th}$-98$^{th}$ percentile responses occur at sites 120 (2.46%), 123 (2.59%), 129 (2.64%), 134 (2.35%), 137 (2.52%) and 223 (2.45%). The cause of the elevated ash content is unknown but could be related to anthropogenic particulate contamination from industrial activity near the community of Oxford Lake. The possibility exists that the ash content is an indirect indicator of metal content in crown twig samples.

**Table 8. Essential and non-essential elements determined by INAA.**

| Element | Essential/Non-Essential/Comments |
|---|---|
| Au | Non-essential |
| Ag | Non-essential |
| As | Essential/metabolism of carbohydrates |
| Ba | Non-essential |
| Br | Non-essential |
| Ca | Essential/cell wall construction |
| Co | Essential/major nutrient fixation |
| Cr | Non-essential |
| Cs | Non-essential |
| Fe | Essential/photosynthesis, chlorophyll |
| Hf | Non-essential |
| K | Essential/metabolism |
| Mo | Essential |
| Na | Non-essential |
| Rb | Essential |
| Sb | Non-essential |
| Sc | Non-essential |
| Se | Essential |
| Sn | Non-essential |
| Sr | Essential |
| Ta | Non-essential |
| Th | Non-essential |
| U | Non-essential |
| W | Non-essential |
| Zn | Essential/carbohydrate and protein |
| REE | Non-essential |

**Table 9. Essential and non-essential elements determined by ICP-AES.**

| Element | Essential/Non-Essential/Comment |
|---|---|
| Al | Non-essential |
| B | Essential/plant growth, sugar translocation |
| Be | Non-essential |
| Cd | Non-essential |
| Cu | Essential/respiration, photosynthesis |
| Li | Essential/metabolism |
| Mg | Essential/photosynthesis, enzyme reaction |
| Mn | Essential |
| Ni | Non-essential |
| P | Essential/energy metabolism |
| Pb | Essential in small amounts/cell walls (?) |
| Ti | Essential/photosynthesis |
| V | Non-essential |

## Instrumental neutron activation analysis (INAA)

**Au**: The 100$^{th}$ percentile responses for Au are situated, in part, along a north-northwest-trending linear that was previously defined on the basis of rock chip, b-horizon soil (enzyme leach) and humus anomalies. This linear extended from the northern belt boundary to the shore of Knee Lake and was observed to parallel local drainage patterns which were developed at almost 90$^{o}$ to glacial flow directions. On the basis of local drainage direction on the south shore of Knee Lake and the presence of two 100$^{th}$ percentiles along this feature the fracture system is interpreted to continue in a southwesterly direction and is responsible for localizing 100$^{th}$ percentile responses at sites 284 (56 ppb) and 287 (47 ppb). Three 95$^{th}$ percentiles are localized along this linear on the north shore of the lake at sites 2 (31 ppb), 10 (40 ppb) and 58 (38 ppb). A two site

Au anomaly occurs at sites 40 (100$^{th}$ percentile; 54 ppb) and 39 (99$^{th}$ percentile; 43 ppb) close to the contact between granitic intrusive terrain to the south and mafic volcanic rocks to the north.

**As:** Elevated, low contrast As responses occur in several portions of the 1999 survey area. The 100$^{th}$ percentile occurs in the northeast corner of the area at site 25 in an area of no outcrop. West of Cinder Lake at or near the northern margin of the belt is a multisite cluster of 99$^{th}$ (sites 59, 4.5 ppm and 61, 4.5 ppm) and 98$^{th}$ (sites 60, 3.8 ppm and 82, 4.5 ppm) percentiles. In the southern portion of the survey area near the northern end of the Magill Lake intrusion, one 100$^{th}$ percentile occurs at site 246 (5.1 ppm) and two 99$^{th}$ percentiles occur at sites 272 (4.1 ppm) and 273 (4.1 ppm). These three sites are crudely aligned in a west-northwest direction.

**Ba**: Multisite Ba anomalies occur along the Southern Knee Lake Shear Zone (SKSZ) and at a couple of sites in the southern portion of the survey area. Within the strongly foliated rocks of the SKSZ, vegetation geochemical responses comprise 100$^{th}$ percentiles (site 305, 2800 ppm), a 99$^{th}$ percentile (site 294, 2200 ppm) and a 98$^{th}$ percentile at site 304 (1800 ppm). An isolated 99$^{th}$ percentile occurs at site 70 (2200 ppm). Two single site 100$^{th}$ percentile Ba responses occur at widely separated locations. Site 236 (3000 ppm) occurs within the interior of the Magill Lake intrusion in a relatively high outcrop area and site 259 (2500 ppm) occurs to the northwest of site 256 in the central portion of the survey area.

**Br**: Bromine responses in the 1999 survey area are scattered without any particular focus. Three 100$^{th}$ percentile responses are recognized at sites 75 (90 ppm) over a felsic volcanic sequence at the west end of Knee Lake, at site 349 (100 ppm) at Bayly Lake and at site 337 (85 ppm) south of a narrow belt of mafic and felsic volcanic rocks that extends eastwards from Oxford Lake. A cluster of 98$^{th}$ and 95$^{th}$ percentiles occur west of Cinder Lake at the northern margin of the belt.

**Ca**: The highest Ca contents for samples in the 1999 survey area are localized in the northeast corner where two distinctive groupings are recognized. Group 1 occurs at the northernmost sampling sites and is characterized by 100$^{th}$ percentiles at sites 27 (32.0%) and 49 (32.2%) with a 99$^{th}$ percentile at site 51 (31.7%) and 98$^{th}$ percentiles at sites 14 (29.9%) and 16 (30.4%). Sites 14, 16 and 51 are situated over a north-trending felsic volcanic sequence. Group 2 comprises multiple 98$^{th}$ and 95$^{th}$ percentile responses south of Cinder Lake to the shore of Knee Lake. Isolated single site 99$^{th}$ percentile Ca responses occur at sites 130 (31%) in the northwest corner and 257 (31.2%) in the south-central portion of the area.

**Co**: A distinctive grouping of elevated Co occurs in the northeast corner of the survey area along the northeast arm of the lake. The responses here comprise two 100$^{th}$ percentiles at sites 32 (32 ppm) and 38 (59 ppm) with a 99$^{th}$ percentile at site 35 (19 ppm) and a 95$^{th}$ percentile at site 96 (8 ppm). The 100$^{th}$ percentile responses are associated with sheared and rusty weathered basalt. A second cluster of high Co values is located near the western end of Knee Lake along strongly foliated rocks of the SKSZ. At this locality a 100$^{th}$ percentile is documented at site 209 (37 ppm) and is associated with a 98$^{th}$ percentile at site 207 (17 ppm). Isolated single site responses are located at sites 70 (18 ppm) and 237 (23 ppm). Site 237 is situated in the core of the Magill Lake intrusion.

**Cr**: The regional distribution of elevated Cr values appears to be spatially associated with the northern boundary of the belt between Cinder Lake and Oxford Lake. This trend is particularly well developed at sites 92 (18 ppm), 120 (20 ppm) and 129 (27 ppm) all of which are 100$^{th}$ percentiles; a 98$^{th}$ percentile occurs at site 90 (13 ppm). The southern margin of the belt is marked by a major high strain zone and a distinctive magnetic signature. A similar sheared northern margin may also be present. Isolated 99$^{th}$ percentiles are located at sites 37 (16 ppm; northeast) and 237 (23 ppm; core of Magill Lake intrusion).

**Cs**: Extraordinarily elevated Cs occurs in the northeast survey area where a multisite anomaly is developed. This anomaly comprises three 100$^{th}$ percentiles at sites 32 (50 ppm), 35 (46 ppm) and 43 (48 ppm) with two 98$^{th}$ percentiles at sites 34 (17 ppm) and 38 (22 ppm). A 98$^{th}$ percentile occurs at site 15 (18 ppm) over a north-trending felsic volcanic sequence. Isolated and widely spaced 99$^{th}$ percentile responses occur at sites 70 (40 ppm), 218 (42 ppm) and 281 (28 ppm); the periphery of the Magill Lake intrusion.

**Fe**: The distribution of Fe in ashed crown twigs of black spruce is very similar to that of Cr, both east and west of the south end of Cinder Lake. The northern boundary of the belt is marked by multiple 100$^{th}$-95$^{th}$ percentile repsonses that form a linear east-west response. Interestingly, this pattern appears to continue to the east of Cinder Lake suggesting a possible contiuation of the high strain zone that is interpreted to occur at the northern boundary of the belt. An isolated 100$^{th}$ percentile occurs in the southeast corner of the survey area at site 6 (0.69%).

**Hf**: The variation in the concentration of Hf in the 1999 survey area is very similar to that for Fe in that low contrast responses, including 100$^{th}$ percentiles at sites 120 (1.4 ppm) and 129 (1.4 ppm) delineate the northern boundary of the belt. In other locations an area including the SKSZ and south of this high strain zone is marked by a 100$^{th}$ percentile response at site 322 (1.2 ppm), a 99$^{th}$ percentile at site 298 (1.2 ppm) and two 98$^{th}$ percentiles at sites 279 (1.0 ppm) and 315 (1.0 ppm). A single 99$^{th}$ percentile occurs in granitic intrusive terrain at site 277 (1.2 ppm).

**K**: The main sites of elevated K are associated with highly strained rocks within the SKSZ with two 100$^{th}$ percentiles at sites 294 (31.8%) and 323 (32%) as well as a 98$^{th}$ percentile at site 294 (31.8%). Elsewhere, single site 100$^{th}$ percentile anomalies occur at sites 71 (32.6%), 280 (33.4%) and 344 (35.1%). A 99$^{th}$ percentile occurs at site 45 (30.7%).

**Mo**: Responses throughout the survey area are low. The 100$^{th}$ percentiles occur at sites 97 (7 ppm) in the northwest corner of the survey area and at site 262 (6 ppm) near the high strain zone that marks the southern margin of the belt.

**Na**: The northern margin of the Knee Lake Belt is marked by a moderate to low contrast Na response similar in location and extent to the results for Fe, Cr and Hf. Isolated single site 100$^{th}$ percentile responses occur at sites 71 (6600 ppm) and 251 (4950 ppm).

**Ni**: The northeast portion of the survey area is marked by the presence of a multisite grouping of three 100$^{th}$ percentiles at sites 30 (170 ppm), 32 (220 ppm) and 34 (230 ppm) as well as two 98$^{th}$ percentiles at sites 29 (130 ppm) and 38 (140 ppm). Away from this site there is some suggestion that the northern margin of the belt is marked by elevated Ni contents, particularly west of Cinder Lake and at site 92 (99$^{th}$ percentile; 180 ppm) in the northwestern corner of the survey area. An isolated 100$^{th}$ percentile occurs at site 70 (240 ppm) in association with a silicified, carbonatized, rusty and light green weathering basalt with 3-5% disseminated pyrite and chalcopyrite.

**Rb**: The eastern periphery of the Magill Lake intrusion is marked by two 99$^{th}$ percentile responses at sites 281 (750 ppm) and 319 (830 ppm). Elsewhere in the 1999 survey area there are isolated single site responses (100$^{th}$ percentiles) at sites 70 (970 ppm; alteration and mineralization in basalt), 75 (870 ppm; felsic volcanic rocks) and 348 (940 ppm; granitic intrusive terrain west of Bayly Lake).

**Sb**: The bulk of the anomalous Sb responses in the 1999 survey area occur in the northern portion of the survey area where mafic volcanic rocks predominate over sedimentary rocks. The northeast corner of the area along the northeast arm of Knee Lake is marked by a 100$^{th}$ percentile at site 32 (1.4 ppm; no outcrop) and 99$^{th}$ percentiles at sites 35 (1.1 ppm; dark green weathering basalt with quartz-carbonate stringers and 3% disseminated pyrite) and 43

(1.1 ppm; pink-grey granite). South west of Cinder Lake a trend reminiscent of that defined in rock chip, b-horizon soil and humus geochemistry is developed for Sb. There is an approximately 5 km north-northwest trend that parallels local drainage patterns and comprises a 100$^{th}$ percentile at site 2 (1.8 ppm) and 98$^{th}$ percentiles at sites 1 (0.8 ppm), 59 (0.7 ppm) and 60 (0.7 ppm). An isolated single site 99$^{th}$ percentile response occurs at site 326 (1.1 ppm) in the south-central portion of the survey area. The Sb anomalies are of low contrast.

**Sc**: Results from the Sc vegetation analyses mimic those for Fe, Cr, Hf and Na in that they define an east-west-trending, low contrast, linear geochemical response that correlates to the north margin of the belt. This response comprises 100$^{th}$ percentiles at multiple locations along its length. Results from elsewhere in the belt are non-descript.

**Sr**: A 100$^{th}$ percentile (1500 ppm; site 13) occurs over a felsic volcanic sequence that hosts known massive sulphide-type mineralization. East of this response are two 98$^{th}$ percentiles at sites 49 (940 ppm) and 50 (1100 ppm). A single 100$^{th}$ percentile response occurs at site 114 (1300 ppm) on the north shore of Knee Lake and in association with an east-west-trending felsic volcanic sequence. The west end of Knee Lake is marked by a two site 99$^{th}$ percentile Sr response (sites 205; 1200 ppm and 248; 1200 ppm) as well as a 98th percentile at site 205 (1200 ppm). A 99$^{th}$ (site 321; 1200 ppm) and 98$^{th}$ (site 269; 1000 ppm) percentile response occurs at the north end of the Magill Lake intrusion.

**Th**: With the exception of a 100$^{th}$ percentile response at site 298 (1.6 ppm) within the SKSZ and a 99$^{th}$ percentile at site 6 (1.2 ppm) in the southeast corner of the survey area the dominant trend of anomalous Th occurs along the northern margin of the belt. This trend comprises high contrast responses along its length and is particularly well developed at the west end (sites 92,1.1 ppm; 120, 1.2 ppm and 129, 1.7 ppm) and in the area west of cinder Lake. This linear geochemical signature along the supracrustal/intrusive terrain contact has also been documented for Fe, Cr, Hf, Na and Sc.

**U**: The U responses from the 1999 survey area are very low and are not significant.

**Zn**: Elevated Zn responses are noted from several localities in the 1999 survey area. Two 100$^{th}$ percentiles occur west of Cinder Lake at or near the northern margin of the belt (sites 59, 3600 ppm and 60, 3400 ppm). A single site 100$^{th}$ percentile response occurs at site 20 (3500 ppm) over a north-trending felsic volcanic sequence that hosts known massive sulphide-type mineralization. Two 98$^{th}$ percentiles occur in the northeast corner of the survey area at sites 29 (3000 ppm) and 37 (3000 ppm). The site 29 response occurs in association with a green weathering, carbonate-altered gabbro with 1% disseminated pyrite confined to narrow fractures in the matrix. There was no outcrop in the area of site 37. A 99$^{th}$ and 98$^{th}$ percentile response was documented from sites 66 (3200 ppm) and 67 (3400 ppm) over an east-trending felsic volcanic sequence at the west end of Knee Lake. A single 100$^{th}$ percentile occurs at the north end of the Magill Lake intrusion (site 321, 5100 ppm). A 99$^{th}$ percentile is located south of the central portion of Knee Lake at site 325 (3400 ppm).

**TREE**: To some degree the TREE response mimics the linear geochemical trend that traces the interpreted highly strained northern margin of the belt. As in many of the other elements that define this anomaly, TREE responses are best developed at the west end of the zone as well as west of Cinder Lake with high (99$^{th}$ and 98$^{th}$ percentile) responses east of Cinder Lake at sites 37 (24 ppm) and 55 (20 ppm), respectively. Previously this trend was identified in data for Fe, Cr, Hf, Na, Sc and Th. Elsewhere in the 1999 survey area a single 99$^{th}$ percentile response occurs in the area south of Knee Lake at site 322 (23 ppm).

### Inductively coupled plasma-atomic emission spectrometry (ICP-AES)

**Ag**: The Ag responses for the southern Knee Lake Belt are low. The most significant grouping appears to be on the southeast shore of Cinder Lake (site 52, 2.2 ppm) and east.

**Cd**: Cadmium responses in the 1999 survey area are low, however significant responses are observed in the west end of the area at six sites. In this area four 100$^{th}$ percentiles occur at sites 120 (5.5 ppm), 122 (6.5 ppm), 129 (4.2 ppm) and 130 (3.6 ppm) with a 99$^{th}$ percentile at site 121 (4.2 ppm) and a 98$^{th}$ percentile at site 127 (2.4 ppm). There is no outcrop associated with any of these responses. A single isolated 99$^{th}$ percentile response occurs at site 236 (3.9 ppm) in the core of the Magill Lake intrusion.

**Mn**: The highest Mn contents in the 1999 survey are located in the northeast corner of the area. This grouping includes a 99$^{th}$ percentile at site 56 (14840 ppm) in the general area of a north-trending felsic volcanic sequence that hosts massive sulphide-type mineralization. Further east, a multisite response is documented with a 100$^{th}$ percentile at site 37 (15760 ppm) and 98$^{th}$ percentiles at sites 29 (13780 ppm) and 31 (14740 ppm). Elsewhere, isolated single site 100$^{th}$ percentile responses are documented for sites 61 (14880 ppm; no outcrop) and 301 (15440 ppm; along the northeast arm of the lake). A 99$^{th}$ percentile occurs at site 284 (14580 ppm) along the southernmost portion of a linear geochemical trend that parallels local drainage and extends to the western end of Cinder Lake. Site 301 also occurs along this trend. Two 98$^{th}$ percentiles occur at the southwest end of Knee Lake at sites 201 (13360 ppm) and 207 (13290 ppm) within the SKSZ.

**Mo**: The range in concentration for Mo in ashed samples of black spruce crown twigs in the 1999 survey area is low. The 100$^{th}$ percentiles occur as single site, widely spaced anomalies at sites 32 (6 ppm), 147 (8 ppm) and 97 (6 ppm). Two 99th percentile responses occur in the southern portion of the survey area at sites 297 (4 ppm; SKSZ) and 319 (5 ppm; Magill Lake intrusion).

**Ni**: A multisite cluster of elevated Ni responses occurs in the northeast corner of the survey area. This anomaly comprises two 100$^{th}$ percentiles at sites 32 (269 ppm) and 34 (295 ppm), two 98$^{th}$ percentiles at sites 30 (202 ppm) and 38 (178 ppm) and two 98$^{th}$ percentiles at 29 (109 ppm) and 35 (107 ppm). Outcrop in the area is sparse but includes rusty weathering, mineralized and strongly foliated basalt and gabbro. An isolated single site anomaly occurs at site 70 (213 ppm) in association with a silicified, carbonatized and rusty-weathering basalt. Site 52 is characterized by a very fine-grained, chrome green weathering basalt with quartz-carbonate veinlets that are non-mineralized. A low contrast response comprising 95$^{th}$ and 90$^{th}$ percentiles occurs east of site 52 in association with a mineralized, north-trending felsic volcanic sequence. Other significant responses include 100$^{th}$ percentiles at sites 327 (2.3 ppm) and 335 (2.2 ppm).

**Ba**: The area southwest of Cinder Lake is marked by a four site cluster of elevated Ba responses that include a single 100$^{th}$ percentile at site 151, two 99$^{th}$ percentiles at sites 147 and 153 and one 98$^{th}$ percentile at site 154. There is no outcrop in the area of these responses. The area north of the west end of Knee Lake is marked by single 100$^{th}$ (site 149), 99$^{th}$ (site 75) and 98$^{th}$ (site 148) responses. A rusty weathering basalt is exposed in outcrop at site 149. An isolated single site 100$^{th}$ percentile response occurs at site 289 in the southeastern portion of the survey area.

**Ca**: The north-trending felsic volcanic sequence that hosts massive sulphide-type mineralization is marked by a two site anomaly comprising 100$^{th}$ and 99$^{th}$ percentile responses at sites 14 (25.39%) and 16 (22.36%). Two 100$^{th}$ percentile responses are recognized in the data and they occur at site 134 (23.68%) in the western portion of the survey area near Oxford Lake and at site 247 (23.74%) south of the west end of Knee Lake. A single 99$^{th}$ percentile response occurs along the northeast arm of Knee Lake at site 302 (22.92%).

**Co**: The anomalous Co responses in the 1999 survey area are concentrated in two areas. The northeast corner of the area comprises two $100^{th}$ percentile responses at sites 32 (24 ppm) and 38 (40 ppm), one $99^{th}$ percentile at site 35 (14 ppm) and a $98^{th}$ percentile at site 36 (10 ppm). The second anomalous cluster occurs south of the west end of Knee Lake along the SKSZ. In this location a $100^{th}$ percentile response at site 209 (28 ppm) is recognized in association with three $95^{th}$ percentiles and a $98^{th}$ percentile. A single $99^{th}$ percentile response at site 237 (16 ppm) occurs within the core of the Magill Lake intrusion. Co responses in the 1999 survey area are low contrast.

**Cr**: Like the results for Co the Cr responses in the southern Knee Lake Belt are low contrast. The highest responses occur in the western end of the survey near Oxford Lake and for the most part close to or at the northern margin of the belt. In this area two $100^{th}$ and two $99^{th}$ percentiles are documented. A $100^{th}$ percentile response occurs at site 37 (11 ppm) in the northeast corner of the survey area and a $99^{th}$ percentile occurs north of the northern terminus of the Magill Lake intrusion.

**Fe**: The elevated Fe contents in the southern Knee Lake Belt are concentrated in sites that occur at or close to the northern boundary of the belt. This includes the area west of Cinder Lake as well as east as far as site 37. This trend is aligned with the contact between mafic volcanic and granitic intrusive terrain south of Seller Lake and as such its extension to the east seems plausible. Iron contents elsewhere in the survey area are non-descript.

**K**: The southern portion of the 1999 survey area is marked by higher K responses than in the volcanic rock-dominated northern portion of the area. Single site $100^{th}$ percentiles occur at sites 255 (19.87%) and 344 (17.58%) in the central portion of the survey area. Two $98^{th}$ percentiles and two $95^{th}$ percentiles occur along the SKSZ. A $99^{th}$ percentile at site 267 (17.23%) occurs within the core of the Magill Lake intrusion and a second $99^{th}$ percentile is located at the southwest end of Magill Lake near the contact between sedimentary rocks and a thin belt of mafic volcanic rocks. An isolated $100^{th}$ percentile occurs at site 45 (17.43%) in association with a dark green and rusty weathering basalt with several percent disseminated pyrite.

**Mg**: Unlike the K results from ashed vegetation analyses from the 1999 survey area the Mg results are higher in the northern, volcanic rock-dominated portion of the area. Two $100^{th}$ percentile responses occur at sites 32 (5.84%) and 34 (5.72%) in the northeast corner of the survey area; two $98^{th}$ percentiles (sites 43, 5.09% and 44, 5.03%) occur directly south of this response in granitic intrusive terrain. To the west site 56 ($99^{th}$ percentile; 5.34%) occurs in association with a felsic volcanic intrusion that hosts known massive sulphide-type mineralization. There is no outcrop in the area of this site. In the western end of the survey area a $100^{th}$ percentile occurs at site 122 (5.77%; no outcrop).

**Na**: Elevated Na responses are recognized at sites 71 ($100^{th}$ percentile; 0.47%) and at adjacent site 70 ($98^{th}$ percentile; 0.21%). Outcrop at these two sites exposes rusty weathering, strongly foliated massive and pillowed basalt with up to 5% disseminated pyrite and chalcopyrite. A $100^{th}$ percentile occurs in isolation at site 91 (0.47%) near the northern margin of the belt and a $99^{th}$ percentile occurs in the same relative position in the west end of the survey area. In the southern portion of the belt a $100^{th}$ percentile response is documented from site 251 (0.29%) just south of the west end of Knee Lake. Single site $99^{th}$ percentiles occur at sites 234 (0.22%) and 5 (0.23%) near the southern highly sheared margin of the belt.

**P**: Enrichments in the P contents of black spruce crown twigs are noted in the area of the northeast arm of Knee Lake and at two sites along the SKSZ on the southern shore of the lake. The $100^{th}$ percentiles are located at sites 34 (54510 ppm), 309 (55530 ppm) and 307 (50030 ppm) with $99^{th}$ percentiles at sites 45 (47550 ppm) and 295 (47510 ppm). A single $99^{th}$ percentile occurs at site 122 (46960 ppm) in the western survey area.

**Sr**: The $100^{th}$ percentile responses for the Knee Lake Belt occur at site 13 (768 ppm) over a sequence of felsic volcanic rocks that host massive sulphide-type mineralization, at site 114 (770 ppm) over an east-west-trending felsic volcanic sequence mapped just north of the north shore of Knee Lake and at site 248 (908 ppm) located at the west end of Knee Lake. A $99^{th}$ and $98^{th}$ percentile response is documented from sites 205 (599 ppm) and 206 (583 ppm) south of the western end of the lake. A $99^{th}$ percentile occurs at site 321 (609 ppm) near the northern end of the Magill Lake intrusion.

**V**: Vanadium concentrations in the 1999 survey area are concentrated along the northern margin of the Knee Lake Belt both east and west of Cinder Lake. This trend has been previously recognized for Al and Fe and may be reflecting alteration developed as a result of hydrothermal fluid flow at a rheologic boundary or the presence of unique and distinctive lithologies along this high strain zone. Elsewhere in the survey area a $99^{th}$ percentile occurs at site 6 (10 ppm) in the southeast corner of the area.

**S**: Anomalous S in the 1999 survey area is concentrated in the northeast corner of the area where a $100^{th}$ percentile occurs at site 26 (30040 ppm) and a $99^{th}$ percentile at site 34 (27140 ppm). Multiple $98^{th}$ and $95^{th}$ percentile responses are associated with this area as well. A second grouping appears south of the west end of Knee Lake with a $100^{th}$ percentile recorded at site 344 (32100 ppm), a $99^{th}$ percentile at site 346 (26920 ppm) and a $98^{th}$ percentile at site 208 (23200 ppm). A solitary $100^{th}$ percentile occurs at site 351 (47510 ppm) near the contact between sedimentary rocks and a thin band of mafic volcanic rocks in the southeast portion of the area. The southeast tip of the Magill Lake intrusion is present in this area as well.

**Cu**: Significant clusters of high to moderate contrast Cu anomalies were documented from two areas in the 1999 survey area. The northeast corner is marked by three $100^{th}$ percentile responses at sites 15 (300 ppm), 17 (298 ppm) and 34 (328 ppm) as well as a $99^{th}$ percentile at site 33 (286 ppm). Site 15 is situated directly over a felsic volcanic sequence that hosts massive sulphide-type mineralization. The southwest end of Knee Lake is marked by the presence of a $100^{th}$ percentile at site 210 (358 ppm) which is associated with multiple $95^{th}$ and $98^{th}$ percentile responses along the SKSZ.

**Pb:** Lead responses in the 1999 survey area tend to be low to moderate contrast. Significant responses are located west of Cinder Lake along the northern margin of the belt at sites 59 (22 ppm) and 82 (23 ppm) both of which are $100^{th}$ percentile responses. Site 85 (13 ppm), west of site 82 along the northern belt margin, represents the initial northernmost response to a south-trending, linear anomaly that extends for approximately 5 km to the northern shore of Knee Lake. The highest response within this trend is a $99^{th}$ percentile response at site 66 (19 ppm) in an area of no outcrop. East of Cinder Lake a $100^{th}$ (site 55; 17 ppm) and $98^{th}$ (site 56; 14 ppm) percentile response is associated with a sequence of felsic volcanic rocks that host massive sulphide-type mineralization. A further $100^{th}$ percentile occurs at site 37 (27 ppm) in an area of no outcrop.

**As:** Elevated As responses occur at several localities in the 1999 survey area, however the responses are low contrast. A $100^{th}$ percentile occurs on the south shore of Cinder Lake at site 52 (15 ppm). East of site 52 is a multisite cluster of 6 sites that comprise a $99^{th}$ percentile at site 14 (13 ppm) and two $98^{th}$ percentiles at sites 27 (13 ppm) and 33 (12 ppm). The response at site 14 is associated with a felsic volcanic sequence that hosts massive sulphide-type mineralization. An isolated $99^{th}$ percentile response occurs southwest of Cinder Lake at site 68 (13 ppm) in an area of no outcrop. A low contrast north-trending linear response occurs near the west end of Knee Lake. This anomaly comprises $98^{th}$ and $95^{th}$ percentile responses. An isolated $100^{th}$ percentile response occurs at site 92 (14 ppm) in the northwest corner of the area in an area of no outcrop. Another single site $100^{th}$ percentile occurs at site 246 (14 ppm) on the northwest periphery of the Magill Lake intrusion.

**Bi:** An exceptional example of a regional Bi anomaly confined to a particular section of a greenstone belt is provided by the results for Bi. The northern portion of the 1999 survey area is characterized by an almost complete lack of elevated Bi. South of Knee Lake in terrain dominated by sedimentary rocks there are numerous sites of elevated Bi. A three site response occurs at sites 327 ($100^{th}$ percentile; 110 ppm), 346 ($99^{th}$ percentile; 104 ppm) and 344 ($98^{th}$ percentile; 85 ppm). Southwest of this cluster is a single site $100^{th}$ percentile that occurs at site 265 (105 ppm) over a narrow east-trending mafic-felsic volcanic belt. A single $100^{th}$ percentile occurs at site 284 (115 ppm) along the southern portion of the north-northwestern trend that is interpreted to represent a fracture involved in the emplacement of a REE-enriched syenite at Cinder Lake. Two additional $99^{th}$ percentile responses occur at sites 237 (95 ppm) in the core of the Magill Lake intrusion and at site 272 (103 ppm) in the southeast portion of the area.

**W:** The distribution of W responses closely mimics the results for Al, Fe and V in that the elevated responses occur at or close to the northern margin of the belt. This trend comprises multiple $100^{th}$-$95^{th}$ percentiles and is best developed west of Cinder Lake. A $100^{th}$ percentile (65 ppm; site 67), two $99^{th}$ percentiles (63 ppm; site 20 and 61 ppm at site 114) and a $98^{th}$ percentile at site 66 (60 ppm) occur over an arcuate felsic volcanic sequence that extends from just east of Cinder Lake to the west end of Knee Lake along its north shore. A $100^{th}$ percentile is documented from the northern end of the Magill Lake intrusion at site 321 (90 ppm).

**Zn**: Elevated Zn responses occur at sites 20 ($99^{th}$ percentile; 2220 ppm) and 14 ($98^{th}$ percentile; 2063 ppm) in association with a north-trending sequence of felsic volcanic rocks. West of Cinder Lake there are multiple sites of elevated Zn at or close to the northern margin of the belt. These include a four sample moderate contrast cluster at sites 59 (2070 ppm), 60 (2067 ppm), 150 (1935 ppm) and 151 (1911 ppm). The only outcrop in the area is exposed at site 150 (a dark green and rusty weathering basalt with 1% disseminated pyrite). A $100^{th}$ percentile occurs at site 91 (2271 ppm) in an area of no outcrop. An east-trending felsic volcanic sequence mapped on the north shore of Knee Lake is marked by a $99^{th}$ percentile response at site 67 (2191 ppm) and two $98^{th}$ percentiles at sites 66 (2143 ppm) and 114 (2048 ppm). South of Knee Lake two $100^{th}$ percentiles are documented from sites 279 (2252 ppm) and 321 (3223 ppm). Site 321 occurs at the northern terminus of the Magill Lake intrusion. A $99^{th}$ percentile response occurs west of site 279 at site 325 (2205 ppm).

**Al**: Results for Al must be interpreted with caution since crown twigs are ashed in aluminum trays before acid dissolution or irradiation. Nevertheless, distinctive multisample responses are present in the data. The northern margin of the belt is marked by significantly elevated Al responses including $100^{th}$-$98^{th}$ percentiles. This trend continues east of Cinder Lake at sites 55 ($99^{th}$ percentile; 0.42%) and further east to site 37 ($100^{th}$ percentile; 0.47%).

## Synthesis

The 1999 vegetation geochemical survey of the southern portion of the Knee Lake Belt has successfully demonstrated the association of single and multiple point geochemical responses with mineralized rock sequences and related alteration zones, unique geophysical signatures and lithologies. The technique has demonstrated the presence of residual exploration potential in overburden covered areas. Many of these responses reflect geochemical signatures defined with other geochemical sampling media.

Hosain (1999) has documented the numerous airborne and ground EM conductors in the southern Knee Lake greenstone belt and one of these zones, east of Cinder Lake contains up to 20 m of massive sulphide-type mineralization with low base and precious metal contents. The INAA and ICP-AES analysis of ashed black spruce crown twig samples has effectively delineated this zone on the basis of Cu, Pb, As, Co, Mg, Ca, Sr and lesser Cs anomalies. Moreover, the host felsic volcanic sequence that trends from east of Cinder Lake to the west end of Knee Lake is identified along the entirety of its strike length by single site anomalous responses for numerous elements, including Zn. In this regard the vegetation geochemical technique has not only documented this lithologic unit as a ‘unique’ lithology but has identified geochemical ‘hot spots’ along its strike length.

East of Cinder Lake in the northeast corner of the survey area is a persistent multisite anomalous response for many of the elements that characterized the felsic volocanic sequence. These include Cu, Pb, Ni, Co, Sb, S, Cs, Mn and Mg in association with strongly foliated, rusty weathering basalt and gabbro with disseminated sulphides and post-depositional deformation producing a network of quartz-carbonate veinlets. The area should be reconnoitered on the basis of geological and new geochemical information for this site.

The Southern Knee Lake Shear Zone (SKSZ) has been identified as a transpressional shear zone and as such has significance as a regional metallogenetic feature. Multiple, high to low contrast vegetation geochemical anomalies for Cu, As, Co and P are observed to be associated with this feature and as such establishes this structure and any associated structures as an important consideration when exploring for structurally controlled mineral deposits. The vegetation geochemical results confirm previous anomalies based on rock chip, b-horizon soil and humus analyses and therefore represent a rapid and cost-effective method of surveying a prospective area.

A 15 km north-northwest trend that is developed southwest of Cinder Lake at the northern margin of the belt and continuing to the shore of Knee Lake may be extended an additional 10-15 km on the basis of vegetation geochemical anomalies and local drainage patterns. Anomalous concentrations of Au and Bi are noted along the ‘southern’ extension of this zone. The concept of a fracture system involved in the localization or emplacement of the REE-enriched syenite at Cinder Lake should be carefully examined.

A similar structural environment, possibly with associated unique lithologies and/or alteration facies, is recognized from geochemical data derived from rock chip, b-horizon soil, humus and vegetation. On the basis of these datasets the northern margin of the southern portion of the Knee Lake Belt is interpreted to be highly strained at a rheologic boundary. Vegetation geochemical anomalies are observed for Al, Fe, V, Sc, W, Th, total rare earth elements and to a lesser degree for Cr, Hf, Na, Pb and Zn. The presence of the base metal signature in this area might signal the presence of ore-related hydrothermal activity and the formation of mineralization along this zone or adjacent/related structures.

Metallogenetically, the Magill Lake intrusion may be significant in terms of REE-enriched lithologies but also for mobilising important quantities of precious metals from a sedimentary geological environment into structural settings that may be exploited. This mass intrudes sedimentary rocks that regionally can be demonstrated to be tremendously enriched in Bi (see discussion below). A common associate of base metal sulphides, Bi may signal the presence of a base metal enriched sedimentary pile with potential for mobilisation of base metals and associated precious metals. Vegetation geochemical anomalies for elements such as Cs, Rb, W and Sr might be expected in association with this intrusion but the recognition of Zn and As responses within and on the periphery of this large intrusion deserves consideration.

The distribution of Bi in vegetation in the 1999 survey area represents a classic example of regional differences in element concentrations in differing geological environments. The northern portion of the survey area is dominated by volcanic rocks whereas the southern portion is characterized by Bi-enriched arkosic and greywacke-type sedimentary rocks. Whether the original composition of these sediments was marked by a Bi enrichment or whether this feature has been superimposed by late residual fluids related to intrusive activity (Magill Lake intrusion ?) is unknown. Nevertheless, the absence of any significant Bi in the northern portion of the survey area and the elevated levels in the southern sediments is clearly depicted by the vegetation geochemical survey results.

The west end of the 1999 survey area is marked by very high ash percentages in the black spruce crown twigs. Ordinarily, particulate contamination would have the effect of diluting the geochemical signature by replacing ash with a silicate residuum. The west end of the belt has a marked enrichment of Cd in ashed black spruce crown twig samples suggesting that anthropogenic contamination from the nearby community of Oxford Lake is Cd-rich or that the elevated ash contents are indirect indicators of a base metal source for the high Cd. It should be noted that Cd contents throughout the survey area are small and only a very few ppm (in ash) separate the percentile intervals.

## Recommendations and conclusions

This vegetation geochemical survey based on the INA and ICP-AES analysis of ashed samples of the crown twigs of the black spruce (Picea mariana) tree indicates:

1. geochemical flux in the ashed vegetation datasets define metallogenetically significant regional features as well as more localized bedrock point source mineralized zones, unique lithologies and anomalous magnetic and electromagnetic responses;

2. the vegetation geochemical responses are based upon the variation in concentration of essential and/or non-essential elements;

3. the coincidence of vegetation geochemical anomalies with those defined by the analysis of outcrop rock chip, b-horizon soil and humus samples suggests the relatively hostile, clay-rich surficial deposits that characterize the survey areas are not necessarily 'geochemically impenetrable' by the shallow root system of the black spruce tree;

4. the observation of coincident vegetation and outcrop rock chip geochemical anomalies indicates minimal dilution of vegetation geochemical response by particulate contamination;
5. the Knee Lake Belt is established as a metallogenetically significant area based on the large number of high contrast, multisample base and precious metal vegetation geochemical anomalies;

6. ground magnetic surveying coupled with geological mapping over the north-northwest-trending 'Cinder Lake Structure' should be undertaken to ascertain whether this is a bona fide structural feature with precious metal potential or a geochemical artifact;

7. detailed prospecting and geochemical surveys are recommended for the 1999 survey area with special attention given to multimedia geochemical anomalies coincident with deformation zones, geophysical conductors and demonstrated highly prospective lithologies.

# ICP-AES Analyses - Ashed Samples.

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-1 | 381338.32 | 6086855.25 | 1.8 | 0.25 | 127 | 4479 | 1 | 10 | 5 | 1152 | 0.12 | 5 | 219 | 40 | 22.35 | 1 | 5 | 0.16 |
| 99BST-2 | 379928.11 | 6087059.58 | 1.3 | 0.25 | 146 | 6399 | 1 | 65 | 6 | 1185 | 0.20 | 5 | 159 | 26 | 18.05 | 2 | 5 | 0.21 |
| 99BST-3 | 380864.52 | 6085155.70 | 1.2 | 0.80 | 118 | 3907 | 1 | 26 | 7 | 1170 | 0.22 | 5 | 196 | 45 | 20.84 | 2 | 5 | 0.24 |
| 99BST-4 | 385575.87 | 6057998.38 | 1.4 | 1.33 | 120 | 6521 | 1 | 36 | 9 | 1689 | 0.24 | 11 | 161 | 5 | 20.09 | 1 | 6 | 0.29 |
| 99BST-5 | 386340.97 | 6060776.00 | 0.9 | 1.36 | 118 | 7016 | 1 | 33 | 12 | 921 | 0.25 | 5 | 134 | 5 | 16.23 | 3 | 5 | 0.28 |
| 99BST-6 | 385118.63 | 6064597.68 | 1.6 | 1.58 | 181 | 6178 | 1 | 43 | 14 | 2126 | 0.41 | 10 | 147 | 5 | 18.33 | 2 | 8 | 0.50 |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.8 | 0.60 | 193 | 5570 | 1 | 54 | 1 | 1176 | 0.14 | 5 | 286 | 5 | 20.27 | 4 | 5 | 0.16 |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.8 | 0.51 | 189 | 5321 | 1 | 52 | 4 | 1126 | 0.14 | 5 | 258 | 5 | 19.51 | 5 | 5 | 0.16 |
| 99BST-8 | 381843.70 | 6085393.08 | 1.5 | 0.71 | 239 | 7849 | 2 | 68 | 7 | 1402 | 0.27 | 11 | 171 | 5 | 19.67 | 4 | 7 | 0.21 |
| 99BST-9 | 381226.37 | 6084881.63 | 2.0 | 0.95 | 238 | 11080 | 1 | 53 | 12 | 1782 | 0.24 | 5 | 294 | 5 | 20.22 | 2 | 6 | 0.30 |
| 99BST-10 | 380814.98 | 6083990.92 | 1.1 | 0.78 | 221 | 9579 | 1 | 53 | 5 | 1061 | 0.11 | 5 | 174 | 5 | 14.18 | 4 | 5 | 0.12 |
| 99BST-11 | 382124.73 | 6084199.82 | 1.3 | 0.96 | 163 | 7033 | 1 | 53 | 5 | 821 | 0.14 | 5 | 120 | 5 | 15.40 | 7 | 4 | 0.15 |
| 99BST-12 Analytical Duplicate | 384139.45 | 6089907.45 | 1.0 | 0.97 | 99 | 4688 | 1 | 39 | 5 | 866 | 0.19 | 5 | 173 | 5 | 14.82 | 2 | 5 | 0.15 |
| 99BST-12 Analytical Duplicate | 384139.45 | 6089907.45 | 1.6 | 1.01 | 144 | 6730 | 1 | 57 | 7 | 1262 | 0.28 | 5 | 214 | 5 | 22.03 | 3 | 7 | 0.22 |
| 99BST-13 | 385120.09 | 6089836.36 | 1.9 | 0.25 | 226 | 3150 | 1 | 20 | 5 | 1543 | 0.13 | 5 | 231 | 5 | 21.47 | 1 | 4 | 0.16 |
| 99BST-14 | 386060.67 | 6089790.62 | 1.8 | 0.92 | 163 | 6863 | 1 | 21 | 6 | 2063 | 0.14 | 13 | 286 | 5 | 25.39 | 1 | 5 | 0.18 |
| 99BST-15 | 385609.68 | 6088356.80 | 2.0 | 0.75 | 300 | 13150 | 1 | 187 | 8 | 1623 | 0.30 | 5 | 258 | 5 | 18.94 | 11 | 6 | 0.18 |
| 99BST-16 | 386107.09 | 6089134.20 | 1.6 | 0.74 | 229 | 6597 | 1 | 54 | 4 | 1269 | 0.12 | 5 | 212 | 5 | 22.36 | 6 | 4 | 0.15 |
| 99BST-17 | 386831.55 | 6088342.61 | 2.1 | 0.25 | 298 | 6350 | 1 | 25 | 6 | 1286 | 0.08 | 11 | 212 | 5 | 22.14 | 2 | 4 | 0.12 |
| 99BST-18 | 384402.98 | 6085799.86 | 1.2 | 0.69 | 121 | 14210 | 1 | 73 | 8 | 1551 | 0.22 | 5 | 210 | 5 | 18.17 | 3 | 6 | 0.20 |
| 99BST-19 | 383518.94 | 6085591.65 | 1.3 | 0.25 | 134 | 13120 | 1 | 80 | 7 | 1509 | 0.17 | 5 | 266 | 5 | 19.26 | 4 | 5 | 0.15 |
| 99BST-20 | 385498.35 | 6085864.44 | 2.0 | 0.95 | 195 | 8718 | 1 | 36 | 11 | 2220 | 0.16 | 5 | 226 | 5 | 19.26 | 2 | 5 | 0.23 |
| 99BST-21-1 Analytical Duplicate | 384823.47 | 6085301.09 | 1.8 | 0.25 | 178 | 6729 | 1 | 101 | 7 | 1542 | 0.19 | 5 | 201 | 5 | 19.98 | 3 | 6 | 0.16 |
| 99BST-21-2 Analytical Duplicate | 384823.47 | 6085301.09 | 1.3 | 1.19 | 261 | 10720 | 1 | 78 | 13 | 1885 | 0.23 | 5 | 151 | 5 | 19.50 | 3 | 7 | 0.25 |
| 99BST-22 | 383626.62 | 6084172.60 | 1.8 | 1.26 | 155 | 5631 | 1 | 68 | 9 | 924 | 0.19 | 13 | 289 | 5 | 20.91 | 6 | 5 | 0.18 |
| 99BST-23 | 382797.60 | 6083251.65 | 1.4 | 0.94 | 136 | 7045 | 1 | 52 | 7 | 1080 | 0.17 | 5 | 221 | 5 | 19.32 | 7 | 5 | 0.15 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.2 | 0.25 | 209 | 5477 | 1 | 63 | 9 | 875 | 0.17 | 11 | 355 | 5 | 19.25 | 8 | 6 | 0.18 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.0 | 0.90 | 204 | 5252 | 1 | 61 | 9 | 847 | 0.16 | 5 | 299 | 5 | 18.93 | 7 | 5 | 0.17 |
| 99BST-25 | 390069.10 | 6090107.94 | 2.0 | 0.25 | 132 | 13660 | 1 | 101 | 7 | 1153 | 0.16 | 5 | 227 | 5 | 18.74 | 5 | 8 | 0.16 |
| 99BST-26 | 389273.35 | 6089551.83 | 1.3 | 0.67 | 137 | 7681 | 1 | 58 | 6 | 1208 | 0.13 | 5 | 206 | 5 | 17.66 | 3 | 5 | 0.15 |
| 99BST-27 | 388381.58 | 6088845.50 | 1.5 | 0.79 | 100 | 3129 | 1 | 12 | 4 | 1088 | 0.10 | 13 | 188 | 5 | 21.12 | 1 | 3 | 0.15 |
| 99BST-28 | 391096.14 | 6090415.34 | 1.3 | 0.62 | 156 | 12950 | 1 | 68 | 6 | 1630 | 0.16 | 5 | 287 | 5 | 16.51 | 4 | 5 | 0.15 |
| 99BST-29 | 390765.20 | 6089215.18 | 1.5 | 1.00 | 187 | 13780 | 1 | 109 | 5 | 1790 | 0.19 | 5 | 255 | 5 | 18.78 | 6 | 5 | 0.15 |
| 99BST-30 | 389922.08 | 6088381.30 | 1.5 | 0.25 | 232 | 13440 | 1 | 202 | 6 | 1280 | 0.15 | 5 | 191 | 5 | 18.34 | 4 | 5 | 0.17 |
| 99BST-31 | 387776.64 | 6087871.04 | 1.8 | 1.17 | 214 | 14740 | 1 | 88 | 8 | 1693 | 0.15 | 5 | 300 | 5 | 17.25 | 6 | 5 | 0.17 |
| 99BST-32 | 389281.25 | 6087309.72 | 1.6 | 0.72 | 222 | 9877 | 6 | 269 | 6 | 1307 | 0.33 | 5 | 173 | 5 | 18.72 | 24 | 7 | 0.31 |
| 99BST-33 | 387035.08 | 6086978.20 | 1.8 | 0.51 | 286 | 4804 | 1 | 35 | 7 | 1829 | 0.17 | 12 | 282 | 5 | 18.91 | 2 | 5 | 0.21 |
| 99BST-34 | 388567.46 | 6086677.37 | 1.1 | 1.36 | 328 | 13530 | 3 | 295 | 6 | 1841 | 0.28 | 5 | 162 | 5 | 14.53 | 9 | 7 | 0.26 |
| 99BST-35 | 390865.79 | 6088176.15 | 2.1 | 1.20 | 315 | 9315 | 1 | 107 | 8 | 1335 | 0.16 | 5 | 208 | 5 | 21.09 | 14 | 5 | 0.15 |
| 99BST-36 | 390299.61 | 6087715.51 | 1.5 | 0.96 | 150 | 8595 | 1 | 59 | 6 | 1060 | 0.15 | 5 | 161 | 5 | 21.48 | 10 | 5 | 0.17 |
| 99BST-37 | 391242.83 | 6087718.12 | 1.4 | 2.16 | 154 | 15760 | 1 | 82 | 27 | 1866 | 0.47 | 5 | 255 | 5 | 16.91 | 3 | 11 | 0.51 |
| 99BST-38 | 392410.86 | 6087648.10 | 1.8 | 0.75 | 186 | 8621 | 1 | 178 | 7 | 1154 | 0.16 | 5 | 274 | 5 | 18.56 | 40 | 5 | 0.15 |
| 99BST-39 | 392898.97 | 6086971.53 | 1.6 | 0.53 | 188 | 5572 | 1 | 24 | 7 | 727 | 0.09 | 5 | 285 | 5 | 17.54 | 1 | 3 | 0.12 |
| 99BST-40 | 392559.91 | 6086340.04 | 1.3 | 0.25 | 145 | 4864 | 1 | 28 | 7 | 1688 | 0.16 | 5 | 221 | 5 | 18.88 | 2 | 4 | 0.21 |
| 99BST-41-1 Analytical Duplicate | 391167.56 | 6086589.75 | 0.9 | 0.97 | 180 | 11690 | 1 | 71 | 5 | 1672 | 0.12 | 5 | 208 | 5 | 16.52 | 3 | 5 | 0.15 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-41-2 Analytical Duplicate | 391167.56 | 6086589.75 | 1.6 | 1.26 | 229 | 14570 | 1 | 59 | 9 | 1676 | 0.18 | 5 | 256 | 5 | 19.34 | 3 | 6 | 0.23 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 1.6 | 0.78 | 121 | 6790 | 1 | 33 | 6 | 1067 | 0.14 | 5 | 108 | 5 | 16.46 | 5 | 4 | 0.15 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 1.4 | 1.17 | 116 | 6556 | 1 | 41 | 6 | 1014 | 0.13 | 5 | 91 | 5 | 16.05 | 5 | 4 | 0.14 |
| 99BST-43 | 389804.68 | 6084999.49 | 1.9 | 0.70 | 192 | 5862 | 1 | 98 | 4 | 1175 | 0.18 | 5 | 162 | 5 | 20.02 | 9 | 4 | 0.14 |
| 99BST-44 | 389261.00 | 6083667.72 | 1.2 | 1.31 | 163 | 4719 | 1 | 38 | 17 | 1503 | 0.29 | 12 | 203 | 5 | 17.94 | 2 | 7 | 0.37 |
| 99BST-45 | 386653.33 | 6084343.11 | 1.1 | 1.37 | 162 | 4370 | 2 | 44 | 7 | 1174 | 0.10 | 5 | 181 | 5 | 13.75 | 2 | 5 | 0.16 |
| 99BST-46 | 385883.41 | 6083393.71 | 1.8 | 1.37 | 257 | 5451 | 1 | 69 | 8 | 1409 | 0.19 | 5 | 285 | 5 | 18.50 | 1 | 5 | 0.23 |
| 99BST-47 | 384919.22 | 6082875.51 | 1.6 | 0.83 | 235 | 4429 | 1 | 40 | 7 | 1546 | 0.09 | 5 | 291 | 5 | 18.89 | 1 | 3 | 0.14 |
| 99BST-48 Analytical Duplicate | 383904.64 | 6082648.05 | 1.4 | 0.59 | 142 | 8648 | 1 | 56 | 5 | 1485 | 0.10 | 5 | 206 | 5 | 16.37 | 5 | 4 | 0.13 |
| 99BST-48 Analytical Duplicate | 383904.64 | 6082648.05 | 1.5 | 0.93 | 159 | 9496 | 1 | 64 | 7 | 1653 | 0.13 | 5 | 211 | 5 | 17.72 | 5 | 5 | 0.15 |
| 99BST-49 | 388981.01 | 6090705.90 | 1.4 | 0.54 | 113 | 7662 | 1 | 16 | 9 | 1123 | 0.14 | 5 | 209 | 5 | 18.87 | 1 | 5 | 0.19 |
| 99BST-50 | 387427.39 | 6090166.15 | 1.2 | 0.88 | 117 | 6659 | 3 | 68 | 7 | 1074 | 0.26 | 5 | 207 | 5 | 18.70 | 5 | 5 | 0.20 |
| 99BST-51 | 385816.88 | 6087616.81 | 1.5 | 0.67 | 166 | 9596 | 1 | 60 | 7 | 1246 | 0.28 | 11 | 144 | 5 | 18.59 | 11 | 6 | 0.24 |
| 99BST-52 | 382575.20 | 6088407.01 | 2.2 | 0.88 | 146 | 5348 | 1 | 19 | 8 | 1490 | 0.17 | 15 | 248 | 5 | 22.75 | 2 | 4 | 0.21 |
| 99BST-53 | 381611.17 | 6087984.39 | 1.7 | 0.62 | 256 | 7935 | 1 | 67 | 4 | 1317 | 0.22 | 5 | 233 | 5 | 16.86 | 5 | 6 | 0.20 |
| 99BST-54 | 380446.70 | 6088630.40 | 1.3 | 0.54 | 124 | 5581 | 1 | 50 | 3 | 1118 | 0.11 | 11 | 130 | 5 | 18.79 | 5 | 4 | 0.13 |
| 99BST-55 | 384763.43 | 6089168.41 | 1.4 | 1.98 | 178 | 6962 | 1 | 64 | 17 | 1813 | 0.42 | 12 | 206 | 5 | 17.03 | 3 | 10 | 0.51 |
| 99BST-56 | 384593.57 | 6087985.36 | 1.3 | 1.36 | 162 | 14840 | 1 | 103 | 14 | 1623 | 0.32 | 5 | 163 | 5 | 11.66 | 3 | 8 | 0.36 |
| 99BST-57 | 380747.02 | 6088073.86 | 1.3 | 0.25 | 220 | 6724 | 1 | 53 | 4 | 1254 | 0.15 | 5 | 209 | 5 | 17.84 | 4 | 4 | 0.14 |
| 99BST-58 | 379201.36 | 6089481.35 | 1.0 | 0.70 | 105 | 6337 | 1 | 75 | 5 | 863 | 0.23 | 5 | 260 | 5 | 16.06 | 6 | 5 | 0.19 |
| 99BST-59 | 376870.52 | 6089445.37 | 1.4 | 2.25 | 142 | 11310 | 1 | 57 | 22 | 2070 | 0.33 | 5 | 278 | 5 | 16.34 | 2 | 6 | 0.42 |
| 99BST-60 | 377624.11 | 6088152.06 | 1.8 | 1.45 | 173 | 10790 | 1 | 102 | 10 | 2067 | 0.31 | 5 | 172 | 5 | 14.07 | 2 | 7 | 0.33 |
| 99BST-61 | 373483.58 | 6087490.54 | 1.3 | 2.18 | 114 | 14880 | 1 | 136 | 13 | 1835 | 0.35 | 5 | 183 | 5 | 15.37 | 2 | 8 | 0.35 |
| 99BST-62 | 374649.11 | 6089718.54 | 1.6 | 1.03 | 121 | 9664 | 1 | 92 | 8 | 1833 | 0.24 | 5 | 199 | 5 | 16.96 | 2 | 6 | 0.28 |
| 99BST-63 | 371851.38 | 6084985.15 | 1.5 | 0.25 | 143 | 7872 | 1 | 42 | 5 | 1464 | 0.11 | 12 | 177 | 5 | 21.49 | 2 | 4 | 0.12 |
| 99BST-64 | 370818.75 | 6084894.62 | 1.7 | 2.12 | 229 | 7812 | 1 | 103 | 17 | 1647 | 0.34 | 12 | 225 | 5 | 17.92 | 4 | 8 | 0.37 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 1.0 | 0.54 | 141 | 6218 | 1 | 20 | 8 | 1273 | 0.12 | 10 | 236 | 5 | 17.14 | 2 | 4 | 0.16 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 1.0 | 0.62 | 143 | 6261 | 1 | 21 | 9 | 1289 | 0.12 | 5 | 203 | 5 | 17.41 | 1 | 5 | 0.17 |
| 99BST-66 | 370239.75 | 6083375.40 | 1.4 | 2.17 | 111 | 5434 | 1 | 49 | 19 | 2143 | 0.28 | 11 | 269 | 5 | 18.89 | 2 | 7 | 0.37 |
| 99BST-67 | 369512.90 | 6082951.85 | 2.1 | 1.51 | 138 | 6790 | 2 | 65 | 15 | 2191 | 0.24 | 11 | 254 | 5 | 20.19 | 2 | 6 | 0.31 |
| 99BST-68 | 378482.32 | 6086547.36 | 1.4 | 0.81 | 152 | 8657 | 1 | 59 | 13 | 1821 | 0.23 | 13 | 212 | 5 | 17.59 | 1 | 5 | 0.23 |
| 99BST-69 | 378901.57 | 6085104.21 | 1.2 | 0.74 | 172 | 6579 | 1 | 64 | 5 | 1135 | 0.14 | 5 | 181 | 5 | 15.37 | 3 | 4 | 0.14 |
| 99BST-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1.3 | 0.95 | 150 | 8635 | 1 | 279 | 7 | 1350 | 0.29 | 5 | 127 | 5 | 13.28 | 14 | 7 | 0.16 |
| 99BST-70-2 Analytical Duplicate | 377176.25 | 6084802.55 | 1.1 | 1.67 | 159 | 9154 | 1 | 307 | 6 | 1439 | 0.32 | 5 | 94 | 72 | 14.46 | 14 | 7 | 0.17 |
| 99BST-70-2 Analytical Duplicate | 377176.25 | 6084802.55 | 1.1 | 1.57 | 159 | 9790 | 1 | 319 | 4 | 1501 | 0.32 | 5 | 75 | 64 | 15.06 | 14 | 9 | 0.17 |
| 99BST-71 | 375594.28 | 6084702.04 | 1.8 | 1.51 | 153 | 7541 | 2 | 47 | 4 | 1314 | 0.15 | 5 | 145 | 5 | 14.10 | 3 | 6 | 0.13 |
| 99BST-72 | 370123.86 | 6085972.41 | 1.3 | 1.33 | 175 | 8944 | 1 | 89 | 9 | 1247 | 0.20 | 10 | 147 | 5 | 15.71 | 8 | 6 | 0.20 |
| 99BST-73 | 370656.16 | 6087109.32 | 1.6 | 1.27 | 162 | 5548 | 1 | 58 | 15 | 1655 | 0.17 | 10 | 226 | 5 | 17.01 | 2 | 5 | 0.19 |
| 99BST-74 | 368347.58 | 6082970.14 | 1.4 | 1.47 | 150 | 11570 | 1 | 67 | 11 | 1598 | 0.17 | 5 | 173 | 5 | 17.49 | 5 | 6 | 0.23 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 1.3 | 0.25 | 152 | 5551 | 1 | 23 | 7 | 1392 | 0.12 | 12 | 432 | 5 | 16.01 | 1 | 6 | 0.14 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 1.3 | 0.56 | 148 | 5416 | 1 | 22 | 7 | 1361 | 0.11 | 5 | 451 | 5 | 15.90 | 1 | 5 | 0.14 |
| 99BST-76 | 366875.73 | 6082011.38 | 1.9 | 1.64 | 214 | 10580 | 1 | 68 | 6 | 1646 | 0.15 | 5 | 188 | 5 | 17.29 | 7 | 6 | 0.20 |
| 99BST-77 | 366237.10 | 6081599.59 | 1.6 | 3.54 | 182 | 11330 | 1 | 84 | 3 | 1532 | 0.08 | 5 | 280 | 5 | 13.40 | 3 | 5 | 0.11 |
| 99BST-78 | 368777.48 | 6081793.37 | 1.4 | 1.58 | 177 | 6464 | 1 | 63 | 5 | 884 | 0.18 | 5 | 329 | 5 | 16.22 | 3 | 5 | 0.17 |
| 99BST-79 | 369918.79 | 6081283.90 | 1.4 | 1.21 | 152 | 3509 | 1 | 55 | 7 | 879 | 0.14 | 5 | 211 | 5 | 17.98 | 3 | 5 | 0.20 |
| 99BST-80 | 371536.33 | 6081711.47 | 1.6 | 2.20 | 186 | 10490 | 1 | 98 | 5 | 1705 | 0.19 | 5 | 219 | 5 | 14.90 | 7 | 6 | 0.17 |
| 99BST-81 | 370746.10 | 6087688.00 | 1.3 | 1.50 | 208 | 8316 | 1 | 50 | 6 | 1397 | 0.14 | 5 | 155 | 5 | 14.98 | 2 | 5 | 0.19 |
| 99BST-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 1.8 | 2.38 | 166 | 12950 | 1 | 75 | 20 | 1692 | 0.44 | 11 | 208 | 5 | 17.07 | 4 | 9 | 0.53 |
| 99BST-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 2.1 | 3.79 | 176 | 15450 | 2 | 84 | 26 | 1886 | 0.46 | 5 | 434 | 5 | 18.26 | 5 | 10 | 0.56 |
| 99BST-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1.3 | 2.70 | 157 | 11900 | 3 | 73 | 28 | 2375 | 0.42 | 5 | 191 | 5 | 11.90 | 3 | 10 | 0.50 |
| 99BST-83 | 372026.99 | 6090288.56 | 2.0 | 1.97 | 187 | 7085 | 1 | 23 | 8 | 1618 | 0.23 | 5 | 291 | 5 | 19.85 | 2 | 6 | 0.29 |
| 99BST-84 | 370517.90 | 6089778.24 | 1.3 | 2.00 | 140 | 7302 | 1 | 58 | 9 | 1774 | 0.21 | 5 | 222 | 5 | 18.16 | 2 | 6 | 0.26 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-85 | 370224.45 | 6088963.94 | 1.5 | 2.98 | 130 | 5821 | 1 | 41 | 13 | 1717 | 0.29 | 11 | 277 | 5 | 21.89 | 3 | 6 | 0.39 |
| 99BST-86 | 370086.72 | 6088310.03 | 1.2 | 1.33 | 197 | 8783 | 1 | 49 | 5 | 1735 | 0.12 | 5 | 217 | 5 | 16.93 | 4 | 5 | 0.17 |
| 99BST-87 | 365628.38 | 6087349.81 | 0.8 | 0.25 | 126 | 6860 | 2 | 50 | 3 | 1411 | 0.09 | 5 | 131 | 5 | 13.74 | 1 | 4 | 0.14 |
| 99BST-88 | 366652.68 | 6088345.47 | 1.8 | 1.73 | 162 | 12210 | 1 | 33 | 8 | 1531 | 0.20 | 5 | 264 | 5 | 17.94 | 6 | 5 | 0.24 |
| 99BST-89 | 359762.87 | 6089860.45 | 1.1 | 1.47 | 148 | 8494 | 1 | 78 | 7 | 1750 | 0.24 | 5 | 264 | 5 | 17.33 | 5 | 6 | 0.39 |
| 99BST-90 | 360419.16 | 6090713.89 | 1.5 | 1.35 | 156 | 13210 | 1 | 91 | 10 | 1830 | 0.34 | 5 | 174 | 5 | 17.79 | 4 | 8 | 0.36 |
| 99BST-91 | 367854.62 | 6089411.77 | 1.4 | 1.37 | 135 | 7794 | 1 | 33 | 10 | 2271 | 0.40 | 5 | 210 | 5 | 18.59 | 1 | 8 | 0.35 |
| 99BST-92 | 358969.17 | 6089064.02 | 1.4 | 1.50 | 248 | 12800 | 2 | 82 | 9 | 1896 | 0.48 | 14 | 124 | 5 | 21.36 | 5 | 13 | 0.56 |
| 99BST-93 | 360817.18 | 6089935.46 | 1.9 | 0.95 | 218 | 6797 | 1 | 76 | 5 | 1548 | 0.22 | 5 | 214 | 5 | 17.09 | 7 | 7 | 0.21 |
| 99BST-94 | 361334.61 | 6088793.40 | 1.3 | 1.04 | 146 | 6169 | 1 | 34 | 7 | 1482 | 0.19 | 11 | 249 | 5 | 17.88 | 1 | 5 | 0.24 |
| 99BST-95 Analytical Duplicate | 359548.28 | 6088342.12 | 1.9 | 0.82 | 155 | 8137 | 1 | 48 | 5 | 1219 | 0.17 | 5 | 213 | 5 | 16.18 | 4 | 5 | 0.20 |
| 99BST-95 Analytical Duplicate | 359548.28 | 6088342.12 | 1.7 | 0.86 | 152 | 8039 | 1 | 47 | 5 | 1199 | 0.16 | 5 | 211 | 5 | 15.97 | 4 | 5 | 0.20 |
| 99BST-96 | 360462.48 | 6087420.55 | 2.0 | 0.66 | 197 | 8716 | 1 | 57 | 4 | 1301 | 0.12 | 5 | 200 | 5 | 15.73 | 6 | 5 | 0.14 |
| 99BST-97 | 361670.11 | 6088011.47 | 1.4 | 1.48 | 141 | 8138 | 6 | 41 | 12 | 1767 | 0.23 | 5 | 159 | 5 | 15.63 | 3 | 6 | 0.30 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 1.4 | 0.69 | 133 | 3969 | 1 | 74 | 4 | 774 | 0.15 | 12 | 399 | 5 | 16.96 | 2 | 4 | 0.16 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 1.3 | 0.94 | 131 | 3797 | 1 | 49 | 5 | 744 | 0.16 | 5 | 273 | 5 | 16.56 | 2 | 4 | 0.17 |
| 99BST-99 | 366531.44 | 6089734.77 | 1.3 | 1.15 | 116 | 5061 | 5 | 38 | 7 | 1446 | 0.19 | 5 | 243 | 5 | 17.09 | 2 | 6 | 0.25 |
| 99BST-100 | 365660.55 | 6089907.35 | 1.5 | 1.03 | 168 | 8666 | 2 | 22 | 6 | 1514 | 0.16 | 5 | 233 | 5 | 15.94 | 1 | 5 | 0.22 |
| 99BST-101-1 Field Duplicate | 364004.46 | 6090265.61 | 1.7 | 0.94 | 156 | 9877 | 1 | 43 | 7 | 1439 | 0.24 | 5 | 150 | 5 | 18.39 | 3 | 6 | 0.22 |
| 99BST-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1.7 | 1.08 | 211 | 11100 | 1 | 114 | 10 | 1680 | 0.31 | 13 | 274 | 5 | 17.92 | 5 | 7 | 0.27 |
| 99BST-102 | 365042.73 | 6085719.91 | 1.6 | 0.25 | 180 | 7072 | 1 | 39 | 4 | 1092 | 0.08 | 10 | 203 | 5 | 15.10 | 4 | 4 | 0.12 |
| 99BST-103 | 363623.14 | 6086658.21 | 1.5 | 0.97 | 216 | 7413 | 1 | 53 | 6 | 1200 | 0.16 | 5 | 213 | 5 | 15.31 | 7 | 5 | 0.21 |
| 99BST-104 | 365252.32 | 6088140.42 | 1.4 | 0.64 | 173 | 7403 | 1 | 46 | 3 | 1033 | 0.17 | 5 | 165 | 5 | 17.86 | 5 | 5 | 0.16 |
| 99BST-105 | 369243.39 | 6088065.28 | 1.5 | 1.08 | 157 | 9661 | 1 | 96 | 11 | 2009 | 0.33 | 5 | 299 | 5 | 16.83 | 3 | 7 | 0.37 |
| 99BST-106 Analytical Duplicate | 369259.00 | 6087478.80 | 1.6 | 0.71 | 123 | 6278 | 1 | 43 | 9 | 1145 | 0.23 | 5 | 247 | 5 | 19.78 | 3 | 6 | 0.25 |
| 99BST-106 Analytical Duplicate | 369259.00 | 6087478.80 | 1.6 | 1.38 | 115 | 6208 | 1 | 41 | 9 | 1123 | 0.19 | 5 | 348 | 5 | 18.79 | 2 | 5 | 0.22 |
| 99BST-107 | 367342.33 | 6086563.25 | 1.3 | 0.67 | 196 | 7079 | 1 | 57 | 4 | 1156 | 0.18 | 5 | 252 | 5 | 17.15 | 6 | 5 | 0.17 |
| 99BST-108 | 366150.70 | 6085252.06 | 1.7 | 0.79 | 168 | 8250 | 1 | 43 | 6 | 1469 | 0.17 | 5 | 199 | 5 | 18.60 | 2 | 6 | 0.17 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 1.4 | 0.58 | 129 | 8963 | 1 | 51 | 5 | 1260 | 0.18 | 10 | 164 | 5 | 18.92 | 2 | 5 | 0.19 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 1.4 | 0.68 | 133 | 9489 | 1 | 53 | 3 | 1320 | 0.17 | 5 | 201 | 5 | 19.36 | 3 | 6 | 0.19 |
| 99BST-110 | 365361.78 | 6084343.39 | 1.4 | 0.64 | 115 | 6017 | 1 | 34 | 5 | 1477 | 0.15 | 5 | 140 | 5 | 14.84 | 2 | 6 | 0.19 |
| 99BST-111 | 371414.93 | 6082844.68 | 1.2 | 1.16 | 205 | 7687 | 1 | 51 | 7 | 1522 | 0.16 | 10 | 251 | 5 | 16.22 | 2 | 6 | 0.22 |
| 99BST-113 | 374372.83 | 6082434.83 | 1.7 | 0.57 | 198 | 7115 | 1 | 50 | 1 | 1566 | 0.13 | 5 | 281 | 5 | 18.16 | 6 | 5 | 0.14 |
| 99BST-114 | 375612.85 | 6082701.79 | 1.7 | 3.05 | 120 | 3905 | 1 | 16 | 4 | 2048 | 0.14 | 5 | 209 | 5 | 17.79 | 1 | 4 | 0.19 |
| 99BST-115 | 376837.58 | 6083283.99 | 1.2 | 2.08 | 93 | 4609 | 1 | 21 | 8 | 1448 | 0.17 | 5 | 268 | 5 | 18.30 | 1 | 5 | 0.22 |
| 99BST-118 | 380435.24 | 6082526.84 | 1.2 | 2.69 | 209 | 6584 | 1 | 35 | 4 | 1591 | 0.11 | 5 | 243 | 5 | 14.54 | 1 | 5 | 0.16 |
| 99BST-120 | 356959.53 | 6089846.66 | 1.3 | 5.53 | 122 | 4471 | 1 | 42 | 11 | 1033 | 0.35 | 5 | 224 | 5 | 17.10 | 2 | 10 | 0.53 |
| 99BST-121 | 356420.52 | 6088346.81 | 1.8 | 4.17 | 215 | 7323 | 1 | 75 | 5 | 1632 | 0.23 | 5 | 225 | 5 | 17.52 | 4 | 7 | 0.25 |
| 99BST-122 | 355531.65 | 6086917.04 | 1.5 | 6.50 | 274 | 9380 | 1 | 101 | 6 | 2139 | 0.29 | 5 | 125 | 5 | 15.34 | 4 | 10 | 0.35 |
| 99BST-123 | 357174.69 | 6086097.90 | 1.6 | 1.68 | 135 | 7234 | 1 | 99 | 3 | 1280 | 0.21 | 10 | 183 | 5 | 22.13 | 7 | 6 | 0.19 |
| 99BST-124-1 Field Duplicate | 362147.22 | 6090729.66 | 1.4 | 1.06 | 134 | 7985 | 1 | 61 | 3 | 1191 | 0.24 | 5 | 152 | 5 | 14.20 | 6 | 7 | 0.19 |
| 99BST-124-2 Field Duplicate | 362147.22 | 6090729.66 | 1.4 | 1.95 | 115 | 6602 | 1 | 35 | 3 | 1211 | 0.17 | 5 | 177 | 5 | 14.91 | 2 | 6 | 0.19 |
| 99BST-125 | 362574.30 | 6088793.60 | 1.3 | 1.65 | 76 | 7370 | 1 | 17 | 4 | 1202 | 0.16 | 5 | 188 | 5 | 19.10 | 2 | 5 | 0.19 |
| 99BST-126 | 359632.73 | 6085112.70 | 1.2 | 1.01 | 170 | 8012 | 1 | 35 | 3 | 1609 | 0.16 | 5 | 227 | 5 | 17.43 | 2 | 6 | 0.16 |
| 99BST-127 | 359088.91 | 6087067.02 | 1.3 | 2.37 | 120 | 8014 | 1 | 49 | 7 | 1053 | 0.23 | 5 | 187 | 5 | 14.44 | 4 | 8 | 0.21 |
| 99BST-129 | 354975.32 | 6089429.73 | 1.3 | 4.23 | 102 | 3203 | 2 | 26 | 6 | 884 | 0.42 | 12 | 201 | 5 | 18.27 | 3 | 16 | 0.67 |
| 99BST-130 | 358359.43 | 6088287.11 | 1.8 | 3.59 | 170 | 8127 | 1 | 52 | 7 | 1753 | 0.25 | 5 | 199 | 5 | 22.08 | 3 | 7 | 0.32 |
| 99BST-131 | 356359.18 | 6084946.56 | 2.1 | 1.58 | 233 | 5049 | 1 | 32 | 4 | 1688 | 0.10 | 5 | 297 | 5 | 14.32 | 1 | 5 | 0.16 |
| 99BST-132 | 352858.25 | 6086503.69 | 1.7 | 2.57 | 143 | 6357 | 1 | 34 | 8 | 2139 | 0.27 | 5 | 239 | 5 | 17.09 | 3 | 9 | 0.42 |
| 99BST-133 Analytical Duplicate | 350961.55 | 6085671.72 | 1.6 | 1.90 | 184 | 7706 | 1 | 75 | 4 | 1669 | 0.13 | 5 | 244 | 5 | 17.86 | 2 | 5 | 0.20 |
| 99BST-133 Analytical Duplicate | 350961.55 | 6085671.72 | 1.6 | 1.84 | 180 | 7523 | 1 | 74 | 2 | 1630 | 0.13 | 5 | 237 | 5 | 17.19 | 2 | 5 | 0.19 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 1.9 | 2.42 | 204 | 7800 | 1 | 43 | 5 | 1033 | 0.24 | 5 | 234 | 5 | 24.28 | 6 | 6 | 0.25 |

| Sample Site | UTM Easting | UTM Northing | Ag ppm | Cd ppm | Cu ppm | Mn ppm | Mo ppm | Ni ppm | Pb ppm | Zn ppm | Al % | As ppm | Ba ppm | Bi ppm | Ca % | Co ppm | Cr ppm | Fe % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 1.7 | 1.96 | 185 | 7321 | 1 | 38 | 5 | 958 | 0.22 | 5 | 207 | 5 | 23.08 | 5 | 6 | 0.23 |
| 99BST-135 | 354883.31 | 6084079.64 | 2.0 | 0.56 | 212 | 8139 | 1 | 55 | 2 | 1070 | 0.12 | 5 | 205 | 5 | 19.02 | 5 | 5 | 0.17 |
| 99BST-137 | 351850.75 | 6084320.15 | 1.6 | 1.00 | 126 | 3875 | 1 | 30 | 8 | 1674 | 0.19 | 10 | 194 | 5 | 17.67 | 1 | 6 | 0.30 |
| 99BST-138 | 352071.35 | 6085574.59 | 1.5 | 0.72 | 134 | 12760 | 1 | 61 | 7 | 1759 | 0.21 | 5 | 260 | 5 | 16.88 | 2 | 7 | 0.30 |
| 99BST-139 | 357564.78 | 6084160.24 | 1.6 | 0.62 | 226 | 8293 | 1 | 27 | 3 | 1373 | 0.11 | 5 | 171 | 5 | 19.58 | 4 | 5 | 0.13 |
| 99BST-140 | 363864.01 | 6082169.82 | 1.6 | 1.27 | 165 | 5536 | 1 | 42 | 11 | 1579 | 0.20 | 5 | 272 | 5 | 20.25 | 1 | 5 | 0.25 |
| 99BST-141-1 Field Duplicate | 362142.99 | 6084076.48 | 1.7 | 0.76 | 149 | 12370 | 1 | 72 | 3 | 1355 | 0.13 | 5 | 240 | 5 | 18.87 | 5 | 5 | 0.14 |
| 99BST-141-2 Field Duplicate | 362142.99 | 6084076.48 | 1.4 | 0.89 | 190 | 11790 | 1 | 90 | 5 | 1550 | 0.18 | 5 | 178 | 5 | 18.65 | 10 | 7 | 0.15 |
| 99BST-142 | 361255.11 | 6081288.51 | 1.3 | 1.33 | 227 | 8402 | 1 | 87 | 8 | 1575 | 0.23 | 5 | 283 | 5 | 17.72 | 6 | 6 | 0.24 |
| 99BST-143 | 362408.96 | 6082666.92 | 1.5 | 0.25 | 156 | 4145 | 1 | 28 | 6 | 1618 | 0.10 | 5 | 209 | 5 | 18.77 | 1 | 4 | 0.15 |
| 99BST-144 Analytical Duplicate | 365789.89 | 6083994.83 | 1.4 | 0.85 | 124 | 5373 | 2 | 49 | 4 | 1350 | 0.18 | 5 | 199 | 5 | 16.74 | 3 | 7 | 0.16 |
| 99BST-144 Analytical Duplicate | 365789.89 | 6083994.83 | 1.2 | 1.07 | 118 | 5188 | 1 | 48 | 2 | 1295 | 0.17 | 5 | 201 | 5 | 16.05 | 3 | 6 | 0.16 |
| 99BST-145 | 365012.13 | 6082425.90 | 1.5 | 0.95 | 152 | 5902 | 1 | 29 | 6 | 1403 | 0.18 | 5 | 218 | 5 | 20.29 | 2 | 5 | 0.25 |
| 99BST-146 | 388300.25 | 6089844.48 | 1.2 | 1.01 | 136 | 12500 | 1 | 79 | 11 | 2018 | 0.25 | 5 | 234 | 5 | 15.11 | 2 | 6 | 0.32 |
| 99BST-147 | 382347.59 | 6086399.71 | 1.2 | 0.57 | 83 | 5817 | 8 | 21 | 7 | 1471 | 0.17 | 12 | 411 | 5 | 20.39 | 1 | 4 | 0.21 |
| 99BST-148 | 373091.61 | 6084449.15 | 1.3 | 0.57 | 120 | 4125 | 1 | 29 | 2 | 997 | 0.13 | 5 | 399 | 5 | 17.65 | 4 | 4 | 0.13 |
| 99BST-149 | 370525.75 | 6084197.53 | 1.2 | 0.94 | 114 | 3699 | 1 | 16 | 6 | 1208 | 0.13 | 5 | 507 | 5 | 19.62 | 1 | 4 | 0.18 |
| 99BST-150 | 378340.48 | 6088920.71 | 1.1 | 0.90 | 120 | 10430 | 1 | 61 | 8 | 1935 | 0.19 | 5 | 199 | 5 | 12.60 | 1 | 5 | 0.25 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 1.6 | 0.59 | 123 | 5970 | 1 | 24 | 6 | 1880 | 0.13 | 5 | 454 | 5 | 16.90 | 1 | 4 | 0.20 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 1.9 | 1.15 | 125 | 6053 | 1 | 25 | 7 | 1911 | 0.14 | 5 | 592 | 5 | 16.84 | 1 | 4 | 0.21 |
| 99BST-152 | 375414.93 | 6088856.96 | 1.4 | 1.13 | 135 | 5920 | 1 | 51 | 11 | 1272 | 0.24 | 5 | 196 | 5 | 15.42 | 2 | 5 | 0.31 |
| 99BST-153 | 375984.68 | 6087777.88 | 1.7 | 1.54 | 154 | 10720 | 1 | 44 | 12 | 1805 | 0.27 | 5 | 404 | 5 | 19.09 | 2 | 6 | 0.35 |
| 99BST-154 | 376668.36 | 6087121.26 | 1.4 | 2.36 | 158 | 8445 | 1 | 44 | 7 | 1881 | 0.20 | 5 | 384 | 5 | 18.95 | 2 | 5 | 0.26 |
| 99BST-155 | 375877.60 | 6086516.58 | 1.4 | 0.88 | 136 | 8047 | 1 | 15 | 6 | 1733 | 0.14 | 5 | 267 | 5 | 18.38 | 2 | 5 | 0.18 |
| 99BST-156 Analytical Duplicate | 373995.52 | 6086125.05 | 1.4 | 0.94 | 214 | 9641 | 1 | 43 | 6 | 1596 | 0.11 | 5 | 214 | 5 | 19.27 | 2 | 4 | 0.15 |
| 99BST-156 Analytical Duplicate | 373995.52 | 6086125.05 | 1.6 | 0.99 | 217 | 10210 | 1 | 43 | 6 | 1652 | 0.11 | 13 | 274 | 5 | 19.92 | 2 | 4 | 0.15 |
| 99BST-157 | 372027.71 | 6087027.04 | 1.0 | 0.68 | 141 | 9521 | 1 | 59 | 10 | 1580 | 0.23 | 5 | 217 | 5 | 17.11 | 3 | 7 | 0.22 |
| 99BST-201 | 371334.99 | 6079065.23 | 1.5 | 0.25 | 141 | 13360 | 1 | 49 | 8 | 1326 | 0.13 | 5 | 197 | 5 | 17.48 | 4 | 5 | 0.15 |
| 99BST-202 | 370612.18 | 6078749.88 | 1.7 | 0.64 | 211 | 9167 | 1 | 42 | 4 | 1163 | 0.07 | 11 | 115 | 5 | 17.73 | 5 | 4 | 0.11 |
| 99BST-203 | 369733.49 | 6079116.31 | 1.6 | 1.29 | 248 | 12360 | 1 | 51 | 11 | 1822 | 0.14 | 5 | 119 | 5 | 16.27 | 4 | 5 | 0.21 |
| 99BST-204 | 368745.75 | 6078704.52 | 1.7 | 0.98 | 229 | 7028 | 1 | 46 | 7 | 1415 | 0.11 | 5 | 302 | 5 | 19.95 | 2 | 4 | 0.17 |
| 99BST-205 | 367736.72 | 6078107.25 | 2.1 | 1.20 | 163 | 5523 | 1 | 72 | 8 | 1448 | 0.14 | 5 | 150 | 5 | 21.11 | 2 | 5 | 0.22 |
| 99BST-206 | 366185.42 | 6077629.58 | 1.7 | 0.63 | 139 | 6599 | 1 | 81 | 7 | 1439 | 0.17 | 12 | 160 | 5 | 18.99 | 3 | 5 | 0.21 |
| 99BST-207 | 370205.14 | 6080422.95 | 1.7 | 1.30 | 177 | 13290 | 1 | 98 | 7 | 1663 | 0.13 | 5 | 92 | 5 | 18.01 | 13 | 6 | 0.18 |
| 99BST-208 | 365599.84 | 6076900.47 | 1.4 | 0.54 | 187 | 7535 | 1 | 77 | 8 | 1316 | 0.18 | 11 | 208 | 5 | 17.08 | 3 | 5 | 0.20 |
| 99BST-209 | 367275.47 | 6079004.52 | 1.0 | 1.14 | 228 | 11720 | 1 | 76 | 7 | 1388 | 0.18 | 5 | 136 | 5 | 15.91 | 28 | 5 | 0.19 |
| 99BST-210 | 367991.68 | 6079460.20 | 1.5 | 0.94 | 358 | 9435 | 1 | 55 | 5 | 1600 | 0.09 | 5 | 153 | 5 | 16.58 | 8 | 5 | 0.13 |
| 99BST-211 | 368856.57 | 6080449.74 | 1.6 | 0.52 | 213 | 6757 | 1 | 55 | 7 | 1528 | 0.16 | 5 | 366 | 5 | 17.60 | 4 | 5 | 0.21 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.7 | 0.58 | 168 | 8161 | 1 | 100 | 8 | 1337 | 0.13 | 11 | 326 | 5 | 16.35 | 9 | 4 | 0.15 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.6 | 0.54 | 162 | 7716 | 1 | 95 | 7 | 1281 | 0.13 | 5 | 210 | 5 | 15.71 | 9 | 4 | 0.15 |
| 99BST-213 | 365183.13 | 6079542.10 | 1.7 | 0.25 | 161 | 5838 | 1 | 45 | 6 | 1336 | 0.09 | 5 | 274 | 5 | 16.26 | 2 | 4 | 0.14 |
| 99BST-214 | 360603.87 | 6076390.98 | 1.2 | 0.84 | 99 | 3092 | 3 | 17 | 6 | 1419 | 0.15 | 11 | 256 | 5 | 19.64 | 1 | 4 | 0.22 |
| 99BST-215 | 360976.40 | 6074963.41 | 1.3 | 1.31 | 139 | 8097 | 1 | 54 | 12 | 1353 | 0.34 | 5 | 276 | 5 | 18.83 | 3 | 8 | 0.32 |
| 99BST-216 | 360316.32 | 6077803.64 | 1.3 | 0.25 | 122 | 7448 | 1 | 51 | 7 | 1069 | 0.15 | 5 | 118 | 5 | 16.99 | 2 | 4 | 0.18 |
| 99BST-217 | 359631.41 | 6079022.59 | 1.5 | 0.84 | 145 | 4795 | 1 | 73 | 5 | 1275 | 0.11 | 5 | 109 | 5 | 16.26 | 3 | 4 | 0.16 |
| 99BST-218 | 363444.79 | 6074383.10 | 1.4 | 0.25 | 135 | 7094 | 1 | 57 | 6 | 864 | 0.11 | 5 | 308 | 5 | 16.07 | 5 | 3 | 0.11 |
| 99BST-219-1 Field Duplicate | 367825.77 | 6068425.98 | 1.7 | 0.60 | 153 | 7215 | 1 | 60 | 8 | 1400 | 0.23 | 5 | 153 | 49 | 17.72 | 4 | 6 | 0.25 |
| 99BST-219-2 Ficld Duplicate | 367825.77 | 6068425.98 | 1.4 | 0.86 | 209 | 7184 | 1 | 91 | 11 | 1738 | 0.27 | 5 | 154 | 61 | 17.50 | 3 | 8 | 0.22 |
| 99BST-220 | 368431.98 | 6067452.60 | 1.9 | 1.18 | 164 | 5928 | 1 | 83 | 10 | 1467 | 0.27 | 5 | 163 | 51 | 19.83 | 3 | 6 | 0.31 |
| 99BST-221 | 360246.41 | 6081552.52 | 1.6 | 1.37 | 187 | 4988 | 1 | 39 | 8 | 910 | 0.10 | 5 | 154 | 43 | 18.12 | 1 | 6 | 0.17 |
| 99BST-222 | 356447.39 | 6083211.54 | 1.8 | 0.83 | 147 | 5282 | 1 | 25 | 9 | 1693 | 0.22 | 12 | 310 | 14 | 22.28 | 1 | 6 | 0.30 |
| 99BST-223 | 355505.67 | 6083205.01 | 1.7 | 0.66 | 189 | 3111 | 1 | 25 | 5 | 1925 | 0.12 | 5 | 209 | 38 | 18.16 | 2 | 4 | 0.19 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-224 | 350117.78 | 6081716.84 | 1.6 | 1.74 | 185 | 10640 | 1 | 91 | 10 | 1404 | 0.26 | 5 | 208 | 52 | 18.20 | 11 | 7 | 0.31 |
| 99BST-226 | 350702.40 | 6083206.61 | 1.3 | 0.87 | 198 | 9973 | 1 | 76 | 11 | 1694 | 0.22 | 11 | 209 | 26 | 16.16 | 4 | 7 | 0.29 |
| 99BST-227 | 354277.47 | 6083205.79 | 1.9 | 0.65 | 154 | 5442 | 2 | 27 | 7 | 1305 | 0.12 | 5 | 182 | 73 | 14.37 | 3 | 5 | 0.18 |
| 99BST-228 | 355381.59 | 6075600.60 | 1.4 | 1.02 | 188 | 9855 | 1 | 88 | 5 | 1208 | 0.15 | 5 | 191 | 55 | 15.14 | 7 | 6 | 0.21 |
| 99BST-229 | 353986.25 | 6074843.74 | 1.5 | 0.87 | 187 | 7555 | 4 | 34 | 7 | 1831 | 0.10 | 5 | 140 | 53 | 17.85 | 2 | 5 | 0.18 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.1 | 0.25 | 95 | 5073 | 2 | 35 | 9 | 946 | 0.23 | 5 | 188 | 71 | 16.86 | 3 | 6 | 0.28 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.1 | 0.25 | 100 | 5334 | 2 | 37 | 8 | 995 | 0.24 | 5 | 202 | 74 | 17.79 | 3 | 6 | 0.29 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.4 | 0.96 | 181 | 4802 | 3 | 43 | 10 | 1354 | 0.20 | 5 | 199 | 54 | 15.72 | 4 | 6 | 0.30 |
| 99BST-231 | 352016.78 | 6076101.86 | 1.3 | 0.61 | 107 | 6536 | 1 | 75 | 6 | 1203 | 0.17 | 5 | 179 | 84 | 20.06 | 7 | 5 | 0.18 |
| 99BST-232 | 353290.64 | 6078687.59 | 1.4 | 0.89 | 154 | 8882 | 1 | 32 | 8 | 1550 | 0.14 | 5 | 220 | 84 | 18.66 | 1 | 5 | 0.20 |
| 99BST-233 | 353080.39 | 6072997.78 | 1.9 | 0.80 | 121 | 8088 | 1 | 28 | 9 | 1603 | 0.21 | 5 | 268 | 24 | 21.27 | 2 | 6 | 0.28 |
| 99BST-234 | 352085.67 | 6071913.45 | 1.4 | 1.68 | 167 | 12080 | 2 | 78 | 15 | 1016 | 0.32 | 5 | 221 | 62 | 18.61 | 8 | 7 | 0.37 |
| 99BST-235 | 352971.33 | 6071021.91 | 1.6 | 0.73 | 130 | 7714 | 1 | 50 | 9 | 1194 | 0.17 | 5 | 327 | 49 | 20.34 | 2 | 5 | 0.23 |
| 99BST-236 | 375222.72 | 6068829.48 | 2.1 | 3.88 | 220 | 11870 | 1 | 55 | 8 | 1581 | 0.17 | 5 | 144 | 32 | 17.92 | 8 | 6 | 0.27 |
| 99BST-237 | 373322.15 | 6067669.32 | 1.8 | 1.57 | 199 | 11760 | 1 | 149 | 8 | 1825 | 0.33 | 5 | 143 | 95 | 15.82 | 16 | 10 | 0.25 |
| 99BST-238 | 372452.18 | 6069244.38 | 1.6 | 0.70 | 231 | 8681 | 1 | 78 | 11 | 1037 | 0.21 | 5 | 183 | 69 | 18.82 | 7 | 6 | 0.22 |
| 99BST-239 | 368922.50 | 6069508.74 | 1.7 | 1.31 | 112 | 7309 | 1 | 76 | 12 | 1152 | 0.21 | 5 | 234 | 30 | 19.84 | 8 | 5 | 0.26 |
| 99BST-240 | 370909.02 | 6070515.51 | 1.4 | 0.63 | 179 | 6289 | 1 | 41 | 4 | 994 | 0.13 | 5 | 283 | 32 | 21.20 | 2 | 4 | 0.14 |
| 99BST-241 | 372758.61 | 6071129.61 | 1.8 | 0.52 | 159 | 10190 | 1 | 108 | 6 | 1315 | 0.16 | 5 | 185 | 40 | 17.20 | 7 | 5 | 0.15 |
| 99BST-242 | 370633.94 | 6066046.81 | 1.3 | 1.10 | 159 | 10310 | 1 | 62 | 8 | 1268 | 0.12 | 5 | 203 | 24 | 14.62 | 4 | 5 | 0.18 |
| 99BST-243 Analytical Duplicate | 373883.08 | 6066058.33 | 1.6 | 0.25 | 177 | 4543 | 1 | 29 | 1 | 1000 | 0.07 | 5 | 301 | 39 | 16.27 | 4 | 4 | 0.10 |
| 99BST-243 Analytical Duplicate | 373883.08 | 6066058.33 | 1.4 | 0.59 | 179 | 4648 | 2 | 30 | 2 | 1023 | 0.08 | 5 | 294 | 44 | 16.62 | 4 | 4 | 0.10 |
| 99BST-244 | 374717.33 | 6075559.23 | 1.7 | 0.66 | 184 | 5132 | 1 | 70 | 2 | 891 | 0.13 | 5 | 241 | 27 | 19.48 | 3 | 4 | 0.12 |
| 99BST-245 | 373013.86 | 6074903.92 | 1.3 | 0.86 | 178 | 6564 | 1 | 58 | 6 | 948 | 0.16 | 5 | 194 | 24 | 16.27 | 4 | 5 | 0.15 |
| 99BST-246 | 375209.93 | 6072610.07 | 1.3 | 1.37 | 156 | 5602 | 1 | 35 | 7 | 1352 | 0.14 | 14 | 188 | 47 | 19.80 | 1 | 7 | 0.20 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 1.6 | 0.53 | 152 | 6319 | 1 | 98 | 5 | 954 | 0.14 | 5 | 328 | 14 | 23.59 | 9 | 4 | 0.13 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 1.8 | 0.93 | 153 | 6248 | 1 | 99 | 4 | 957 | 0.15 | 12 | 257 | 22 | 23.89 | 9 | 4 | 0.14 |
| 99BST-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1.3 | 0.98 | 173 | 3603 | 1 | 15 | 6 | 1085 | 0.10 | 5 | 196 | 52 | 15.13 | 2 | 4 | 0.18 |
| 99BST-248-2 Field Duplicate | 363998.87 | 6080166.06 | 1.7 | 0.25 | 258 | 3839 | 2 | 13 | 6 | 1618 | 0.07 | 5 | 234 | 61 | 15.88 | 2 | 4 | 0.15 |
| 99BST-249 | 366434.90 | 6080165.02 | 1.6 | 1.58 | 206 | 9165 | 1 | 94 | 7 | 1843 | 0.15 | 5 | 165 | 66 | 19.10 | 8 | 5 | 0.18 |
| 99BST-251 | 369454.61 | 6077674.80 | 1.5 | 1.27 | 227 | 12110 | 1 | 60 | 8 | 1641 | 0.12 | 5 | 200 | 41 | 15.75 | 4 | 5 | 0.20 |
| 99BST-252 | 370212.70 | 6077226.07 | 1.4 | 1.41 | 145 | 4461 | 1 | 46 | 8 | 1235 | 0.12 | 5 | 179 | 36 | 15.35 | 3 | 5 | 0.20 |
| 99BST-253 | 369727.62 | 6076391.19 | 1.1 | 0.97 | 124 | 4651 | 1 | 32 | 10 | 1629 | 0.13 | 5 | 165 | 58 | 12.29 | 1 | 5 | 0.23 |
| 99BST-254 | 369294.01 | 6075027.52 | 1.3 | 1.46 | 187 | 6733 | 1 | 57 | 15 | 1498 | 0.20 | 5 | 205 | 55 | 14.78 | 4 | 6 | 0.32 |
| 99BST-255 Analytical Duplicate | 369082.74 | 6074188.19 | 1.4 | 0.25 | 239 | 6113 | 1 | 144 | 11 | 1230 | 0.19 | 5 | 238 | 75 | 14.04 | 8 | 6 | 0.19 |
| 99BST-255 Analytical Duplicate | 369082.74 | 6074188.19 | 1.5 | 0.82 | 254 | 6859 | 1 | 161 | 11 | 1356 | 0.20 | 5 | 342 | 42 | 16.14 | 8 | 7 | 0.19 |
| 99BST-256 | 372073.59 | 6075860.94 | 2.1 | 0.99 | 222 | 11300 | 1 | 65 | 5 | 1429 | 0.10 | 5 | 188 | 34 | 15.35 | 5 | 4 | 0.13 |
| 99BST-257 | 370578.92 | 6075052.05 | 2.0 | 1.26 | 225 | 12850 | 1 | 43 | 7 | 1582 | 0.18 | 5 | 210 | 22 | 22.88 | 4 | 5 | 0.20 |
| 99BST-258 | 368572.08 | 6072950.08 | 1.1 | 1.01 | 182 | 9843 | 1 | 61 | 6 | 1377 | 0.16 | 5 | 234 | 73 | 17.36 | 5 | 5 | 0.17 |
| 99BST-259 | 367901.42 | 6074827.37 | 1.9 | 1.30 | 167 | 8425 | 1 | 56 | 7 | 1770 | 0.14 | 11 | 195 | 21 | 18.74 | 4 | 5 | 0.18 |
| 99BST-260 | 359223.52 | 6069883.78 | 1.3 | 1.12 | 178 | 7699 | 1 | 87 | 7 | 1408 | 0.18 | 5 | 140 | 82 | 15.68 | 6 | 6 | 0.25 |
| 99BST-261 | 360063.93 | 6069315.74 | 1.2 | 1.35 | 176 | 5799 | 3 | 83 | 8 | 948 | 0.26 | 5 | 205 | 90 | 14.35 | 7 | 8 | 0.27 |
| 99BST-262 | 355969.59 | 6070935.17 | 1.7 | 1.59 | 189 | 4812 | 1 | 34 | 11 | 2034 | 0.22 | 5 | 281 | 16 | 20.10 | 2 | 5 | 0.30 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 1.6 | 0.63 | 160 | 4476 | 1 | 19 | 3 | 1205 | 0.08 | 12 | 245 | 5 | 19.29 | 2 | 4 | 0.12 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 1.6 | 0.67 | 184 | 5241 | 2 | 22 | 3 | 1413 | 0.09 | 5 | 409 | 5 | 22.38 | 1 | 4 | 0.14 |
| 99BST-264 | 360989.77 | 6069149.40 | 1.4 | 1.89 | 141 | 6856 | 2 | 40 | 12 | 1215 | 0.31 | 5 | 255 | 63 | 16.26 | 3 | 7 | 0.38 |
| 99BST-265 | 361329.67 | 6072980.83 | 1.4 | 0.95 | 148 | 8015 | 2 | 62 | 7 | 1636 | 0.17 | 5 | 246 | 105 | 15.24 | 2 | 5 | 0.19 |
| 99BST-266 | 363559.03 | 6071022.97 | 1.3 | 0.52 | 173 | 5374 | 1 | 25 | 7 | 1760 | 0.16 | 5 | 288 | 49 | 16.88 | 1 | 5 | 0.24 |
| 99BST-267 Analytical Duplicate | 377020.28 | 6069882.33 | 1.6 | 1.60 | 144 | 11410 | 1 | 50 | 6 | 1395 | 0.12 | 5 | 234 | 27 | 15.16 | 4 | 6 | 0.17 |
| 99BST-267 Analytical Duplicate | 377020.28 | 6069882.33 | 1.7 | 0.81 | 141 | 11280 | 1 | 48 | 7 | 1373 | 0.12 | 5 | 210 | 26 | 15.31 | 4 | 5 | 0.16 |
| 99BST-268 | 379044.14 | 6070599.95 | 1.2 | 1.29 | 131 | 9153 | 1 | 90 | 9 | 1507 | 0.21 | 5 | 241 | 41 | 17.45 | 4 | 5 | 0.23 |
| 99BST-269 | 376364.81 | 6071760.41 | 1.5 | 1.30 | 112 | 6120 | 2 | 33 | 7 | 1674 | 0.16 | 5 | 299 | 43 | 21.38 | 1 | 6 | 0.22 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-270 | 377781.24 | 6066042.44 | 1.9 | 0.25 | 153 | 6091 | 2 | 52 | 4 | 1081 | 0.15 | 5 | 285 | 58 | 22.45 | 9 | 5 | 0.13 |
| 99BST-271 | 383858.83 | 6067703.50 | 1.2 | 1.06 | 167 | 5243 | 1 | 39 | 12 | 1551 | 0.22 | 5 | 263 | 47 | 17.31 | 2 | 6 | 0.28 |
| 99BST-272 | 384102.61 | 6068885.27 | 2.0 | 0.52 | 208 | 6867 | 1 | 37 | 5 | 1411 | 0.11 | 5 | 233 | 103 | 14.27 | 1 | 5 | 0.15 |
| 99BST-273 | 380547.15 | 6070612.20 | 1.8 | 1.30 | 238 | 6178 | 1 | 39 | 8 | 1310 | 0.14 | 5 | 268 | 58 | 18.48 | 2 | 5 | 0.20 |
| 99BST-274 | 382955.22 | 6071800.72 | 1.5 | 0.72 | 138 | 6924 | 1 | 34 | 11 | 1742 | 0.30 | 5 | 292 | 50 | 18.63 | 1 | 7 | 0.36 |
| 99BST-275 | 381967.41 | 6070087.68 | 1.6 | 1.17 | 129 | 4948 | 1 | 22 | 11 | 1701 | 0.18 | 5 | 274 | 67 | 16.66 | 1 | 6 | 0.24 |
| 99BST-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1.3 | 1.18 | 142 | 5311 | 1 | 37 | 11 | 1119 | 0.17 | 5 | 297 | 101 | 19.83 | 2 | 5 | 0.23 |
| 99BST-276-2 Field Duplicate | 385148.66 | 6077248.38 | 1.9 | 1.19 | 158 | 4572 | 1 | 40 | 14 | 1404 | 0.20 | 11 | 299 | 5 | 24.20 | 2 | 5 | 0.27 |
| 99BST-277 | 386690.16 | 6081682.14 | 1.5 | 1.13 | 120 | 4508 | 1 | 22 | 16 | 1664 | 0.24 | 5 | 294 | 44 | 20.68 | 1 | 6 | 0.33 |
| 99BST-278 | 388023.91 | 6080577.61 | 1.5 | 1.32 | 110 | 4190 | 1 | 28 | 8 | 1723 | 0.14 | 5 | 120 | 70 | 19.30 | 1 | 10 | 0.21 |
| 99BST-279 Field Duplicate | 376310.70 | 6077007.87 | 1.7 | 0.91 | 109 | 5097 | 3 | 19 | 11 | 2280 | 0.21 | 13 | 170 | 31 | 21.97 | 2 | 6 | 0.28 |
| 99BST-279 Field Duplicate | 376310.70 | 6077007.87 | 1.5 | 0.25 | 108 | 4917 | 1 | 18 | 9 | 2223 | 0.21 | 5 | 164 | 49 | 21.68 | 2 | 6 | 0.27 |
| 99BST-280 | 384159.38 | 6073682.24 | 1.6 | 1.60 | 161 | 6255 | 1 | 19 | 8 | 1768 | 0.14 | 5 | 227 | 26 | 16.96 | 1 | 6 | 0.20 |
| 99BST-281 | 379124.40 | 6067728.11 | 1.8 | 0.64 | 188 | 6138 | 1 | 34 | 7 | 1020 | 0.15 | 5 | 184 | 49 | 23.55 | 2 | 5 | 0.19 |
| 99BST-282-1 Field Duplicate | 382727.20 | 6079909.30 | 1.8 | 1.01 | 164 | 7867 | 1 | 34 | 11 | 1886 | 0.28 | 5 | 182 | 47 | 20.73 | 1 | 7 | 0.35 |
| 99BST-282-2 Field Duplicate | 382727.20 | 6079909.30 | 1.2 | 1.00 | 177 | 11860 | 1 | 111 | 6 | 1399 | 0.29 | 5 | 117 | 82 | 17.19 | 5 | 8 | 0.22 |
| 99BST-283 | 382282.71 | 6077714.41 | 1.4 | 1.18 | 133 | 6596 | 1 | 67 | 13 | 1550 | 0.25 | 5 | 187 | 39 | 22.26 | 1 | 6 | 0.32 |
| 99BST-284 | 383840.14 | 6075866.88 | 1.4 | 0.73 | 153 | 14580 | 1 | 69 | 10 | 1555 | 0.25 | 5 | 177 | 115 | 16.40 | 1 | 7 | 0.30 |
| 99BST-285 | 382958.94 | 6074543.38 | 1.7 | 1.06 | 160 | 11950 | 2 | 60 | 11 | 2137 | 0.38 | 5 | 164 | 71 | 17.89 | 2 | 9 | 0.30 |
| 99BST-287 | 385938.09 | 6072538.35 | 1.4 | 0.73 | 129 | 5246 | 1 | 26 | 7 | 1317 | 0.16 | 5 | 151 | 28 | 21.46 | 1 | 5 | 0.20 |
| 99BST-288 | 384706.93 | 6071638.97 | 2.0 | 0.62 | 178 | 6686 | 1 | 22 | 5 | 1564 | 0.10 | 5 | 178 | 46 | 19.84 | 1 | 4 | 0.15 |
| 99BST-289 Analytical Duplicate | 384447.42 | 6070035.32 | 1.4 | 0.64 | 121 | 8424 | 1 | 33 | 7 | 1817 | 0.16 | 5 | 158 | 41 | 18.29 | 2 | 5 | 0.21 |
| 99BST-289 Analytical Duplicate | 384447.42 | 6070035.32 | 1.3 | 2.10 | 132 | 10700 | 1 | 38 | 3 | 2131 | 0.19 | 16 | 761 | 5 | 20.35 | 2 | 6 | 0.23 |
| 99BST-290 | 385875.21 | 6070091.77 | 1.5 | 0.86 | 164 | 6149 | 1 | 26 | 8 | 1538 | 0.18 | 5 | 177 | 65 | 20.56 | 2 | 5 | 0.23 |
| 99BST-291 | 386749.94 | 6071142.51 | 1.6 | 0.71 | 132 | 7191 | 1 | 16 | 7 | 1563 | 0.24 | 5 | 173 | 31 | 19.17 | 2 | 6 | 0.29 |
| 99BST-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1.4 | 0.91 | 125 | 6115 | 1 | 60 | 10 | 1262 | 0.16 | 5 | 155 | 52 | 16.91 | 2 | 5 | 0.23 |
| 99BST-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1.5 | 1.10 | 162 | 8909 | 1 | 108 | 8 | 1561 | 0.15 | 5 | 142 | 55 | 19.66 | 6 | 5 | 0.18 |
| 99BST-293 | 373332.21 | 6078856.12 | 1.5 | 1.38 | 169 | 6545 | 1 | 60 | 8 | 1078 | 0.19 | 5 | 176 | 31 | 19.14 | 4 | 5 | 0.23 |
| 99BST-294 | 374312.89 | 6078921.40 | 1.7 | 1.65 | 206 | 9193 | 1 | 77 | 8 | 1213 | 0.13 | 5 | 155 | 25 | 16.71 | 5 | 6 | 0.21 |
| 99BST-295 | 375182.62 | 6078624.03 | 1.4 | 0.25 | 176 | 7689 | 1 | 48 | 4 | 1308 | 0.13 | 5 | 110 | 71 | 16.66 | 4 | 5 | 0.15 |
| 99BST-296 | 376386.81 | 6078570.83 | 1.6 | 1.21 | 128 | 4537 | 2 | 48 | 8 | 1149 | 0.22 | 11 | 167 | 88 | 19.93 | 2 | 7 | 0.30 |
| 99BST-297 | 377606.00 | 6078057.09 | 1.9 | 0.51 | 142 | 3847 | 4 | 17 | 5 | 1459 | 0.13 | 5 | 121 | 51 | 17.90 | 1 | 5 | 0.21 |
| 99BST-298 | 377794.68 | 6079094.31 | 1.4 | 0.55 | 154 | 6068 | 1 | 26 | 4 | 1043 | 0.19 | 5 | 190 | 46 | 16.84 | 3 | 7 | 0.32 |
| 99BST-300 | 383601.49 | 6081754.27 | 1.9 | 0.25 | 173 | 7153 | 1 | 34 | 7 | 1197 | 0.10 | 5 | 214 | 23 | 20.63 | 1 | 4 | 0.14 |
| 99BST-301 | 382264.75 | 6081807.41 | 1.9 | 1.02 | 155 | 15440 | 1 | 67 | 3 | 1640 | 0.12 | 5 | 185 | 60 | 19.55 | 4 | 5 | 0.12 |
| 99BST-302-1 Field Duplicate | 381825.16 | 6080640.92 | 1.3 | 1.23 | 106 | 5575 | 1 | 46 | 8 | 1192 | 0.16 | 5 | 134 | 36 | 22.98 | 1 | 5 | 0.23 |
| 99BST-302-2 Field Duplicate | 381825.16 | 6080640.92 | 1.5 | 0.99 | 104 | 5560 | 1 | 46 | 10 | 1181 | 0.15 | 5 | 154 | 28 | 22.85 | 1 | 6 | 0.23 |
| 99BST-303 | 381419.93 | 6079292.48 | 1.5 | 0.25 | 185 | 7746 | 2 | 113 | 7 | 1459 | 0.37 | 5 | 145 | 89 | 16.56 | 8 | 8 | 0.24 |
| 99BST-304 | 379828.87 | 6079816.74 | 1.4 | 1.45 | 140 | 11120 | 2 | 73 | 8 | 1125 | 0.17 | 5 | 128 | 47 | 19.87 | 5 | 6 | 0.24 |
| 99BST-305 | 373257.01 | 6080611.99 | 1.7 | 1.30 | 150 | 5017 | 1 | 53 | 5 | 1148 | 0.14 | 5 | 152 | 43 | 18.39 | 8 | 4 | 0.16 |
| 99BST-307 | 376118.15 | 6080021.19 | 1.5 | 0.74 | 186 | 3256 | 3 | 18 | 6 | 1583 | 0.10 | 5 | 203 | 79 | 15.92 | 1 | 5 | 0.18 |
| 99BST-308 | 378593.33 | 6079122.68 | 1.8 | 1.66 | 171 | 8933 | 1 | 57 | 9 | 1263 | 0.21 | 5 | 170 | 32 | 16.58 | 10 | 5 | 0.24 |
| 99BST-309 | 379412.18 | 6081620.51 | 1.7 | 0.25 | 250 | 5792 | 1 | 11 | 2 | 1643 | 0.05 | 5 | 184 | 66 | 14.77 | 1 | 4 | 0.11 |
| 99BST-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1.8 | 0.59 | 161 | 9007 | 1 | 144 | 5 | 1478 | 0.20 | 5 | 123 | 89 | 17.10 | 6 | 6 | 0.15 |
| 99BST-314-2 Field Duplicate | 380441.27 | 6077362.52 | 1.6 | 0.76 | 149 | 8265 | 2 | 98 | 1 | 918 | 0.19 | 5 | 151 | 93 | 17.50 | 6 | 6 | 0.12 |
| 99BST-315 | 379424.91 | 6076667.36 | 1.7 | 0.59 | 153 | 10210 | 1 | 79 | 7 | 1780 | 0.31 | 5 | 122 | 50 | 19.53 | 6 | 8 | 0.21 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 1.6 | 1.21 | 118 | 7828 | 2 | 39 | 8 | 1563 | 0.20 | 5 | 186 | 29 | 18.72 | 1 | 6 | 0.27 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 1.7 | 1.17 | 127 | 8351 | 2 | 42 | 10 | 1653 | 0.21 | 15 | 211 | 28 | 19.77 | 1 | 6 | 0.28 |
| 99BST-317 Analytical Duplicate | 378975.05 | 6075002.82 | 1.4 | 0.75 | 142 | 6715 | 1 | 62 | 8 | 1669 | 0.16 | 5 | 222 | 56 | 17.95 | 2 | 5 | 0.21 |
| 99BST-317 Analytical Duplicate | 378975.05 | 6075002.82 | 1.4 | 0.86 | 146 | 6785 | 1 | 60 | 7 | 1712 | 0.16 | 5 | 252 | 54 | 18.18 | 2 | 5 | 0.21 |
| 99BST-318 | 374081.75 | 6076384.00 | 1.5 | 0.87 | 149 | 7443 | 1 | 57 | 6 | 1426 | 0.15 | 5 | 122 | 18 | 17.33 | 3 | 5 | 0.20 |
| 99BST-319 | 377992.28 | 6071532.08 | 1.6 | 0.97 | 163 | 5136 | 5 | 23 | 4 | 1548 | 0.11 | 5 | 136 | 77 | 17.75 | 1 | 5 | 0.18 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-320 | 378032.77 | 6073502.62 | 1.4 | 0.25 | 147 | 13260 | 1 | 33 | 5 | 1877 | 0.08 | 5 | 183 | 64 | 17.17 | 1 | 5 | 0.15 |
| 99BST-321 | 376343.39 | 6073660.05 | 1.4 | 0.69 | 66 | 6290 | 3 | 18 | 7 | 3223 | 0.13 | 11 | 209 | 49 | 18.40 | 1 | 5 | 0.20 |
| 99BST-322 | 376788.52 | 6076148.06 | 1.4 | 1.66 | 113 | 8825 | 1 | 53 | 10 | 1198 | 0.37 | 13 | 185 | 46 | 18.32 | 3 | 11 | 0.32 |
| 99BST-323 | 374135.50 | 6077562.68 | 1.5 | 1.20 | 167 | 7422 | 3 | 69 | 4 | 1058 | 0.29 | 5 | 163 | 65 | 14.31 | 6 | 8 | 0.26 |
| 99BST-324 | 371909.21 | 6077077.66 | 1.4 | 0.59 | 122 | 11970 | 1 | 29 | 7 | 1516 | 0.14 | 5 | 145 | 68 | 18.69 | 1 | 5 | 0.18 |
| 99BST-325 | 371394.88 | 6077468.54 | 1.8 | 0.96 | 120 | 4920 | 1 | 19 | 8 | 2205 | 0.19 | 5 | 215 | 24 | 22.40 | 1 | 5 | 0.26 |
| 99BST-326 | 367010.80 | 6076322.95 | 1.7 | 1.45 | 123 | 11800 | 1 | 64 | 7 | 1387 | 0.24 | 5 | 197 | 31 | 19.54 | 4 | 6 | 0.22 |
| 99BST-327 | 365544.89 | 6075097.76 | 2.3 | 1.11 | 197 | 9867 | 1 | 63 | 10 | 1920 | 0.25 | 5 | 145 | 110 | 16.57 | 5 | 8 | 0.25 |
| 99BST-328 | 366630.37 | 6073449.41 | 1.7 | 1.98 | 130 | 3575 | 2 | 37 | 7 | 1122 | 0.16 | 5 | 152 | 59 | 19.01 | 1 | 7 | 0.13 |
| 99BST-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1.4 | 1.12 | 157 | 7221 | 1 | 69 | 9 | 1257 | 0.27 | 5 | 160 | 64 | 16.49 | 6 | 7 | 0.26 |
| 99BST-329-2 Field Duplicate | 373524.62 | 6072776.30 | 1.4 | 1.29 | 135 | 8083 | 2 | 67 | 12 | 1098 | 0.32 | 5 | 201 | 92 | 16.05 | 5 | 7 | 0.32 |
| 99BST-330 Analytical Duplicate | 373090.65 | 6073609.38 | 1.8 | 1.23 | 125 | 6156 | 2 | 28 | 8 | 1660 | 0.25 | 5 | 213 | 54 | 18.66 | 1 | 7 | 0.29 |
| 99BST-330 Analytical Duplicate | 373090.65 | 6073609.38 | 1.9 | 1.14 | 130 | 6730 | 1 | 30 | 9 | 1822 | 0.23 | 5 | 266 | 44 | 20.06 | 1 | 6 | 0.29 |
| 99BST-331 | 372325.83 | 6073335.34 | 1.6 | 0.51 | 194 | 8330 | 1 | 51 | 4 | 1406 | 0.15 | 5 | 159 | 56 | 19.23 | 4 | 6 | 0.19 |
| 99BST-332 | 371343.79 | 6071847.26 | 2.0 | 0.78 | 147 | 6713 | 1 | 32 | 1 | 1127 | 0.13 | 5 | 183 | 48 | 19.26 | 2 | 4 | 0.16 |
| 99BST-333 | 356400.44 | 6074585.89 | 1.6 | 0.80 | 126 | 7479 | 1 | 60 | 4 | 1431 | 0.13 | 5 | 138 | 66 | 19.07 | 2 | 5 | 0.18 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 1.6 | 0.55 | 135 | 7074 | 1 | 22 | 3 | 1234 | 0.20 | 5 | 188 | 40 | 18.40 | 3 | 7 | 0.21 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 1.7 | 0.25 | 135 | 7230 | 1 | 23 | 1 | 1247 | 0.20 | 5 | 211 | 28 | 18.68 | 3 | 6 | 0.21 |
| 99BST-335 | 354026.13 | 6072263.97 | 2.2 | 0.71 | 164 | 8230 | 1 | 48 | 4 | 1452 | 0.17 | 5 | 115 | 76 | 21.01 | 1 | 6 | 0.18 |
| 99BST-336 | 356175.52 | 6073162.11 | 1.6 | 0.93 | 205 | 5405 | 1 | 23 | 7 | 1513 | 0.22 | 5 | 116 | 63 | 18.74 | 2 | 6 | 0.30 |
| 99BST-337 | 358516.43 | 6071531.39 | 1.4 | 0.81 | 127 | 7613 | 1 | 74 | 4 | 1398 | 0.24 | 5 | 183 | 31 | 18.72 | 6 | 7 | 0.22 |
| 99BST-338 | 358097.38 | 6073183.12 | 1.3 | 0.25 | 174 | 8583 | 1 | 54 | 1 | 1171 | 0.12 | 5 | 147 | 78 | 15.81 | 6 | 6 | 0.14 |
| 99BST-339 | 358101.16 | 6077722.60 | 1.3 | 0.25 | 207 | 10110 | 1 | 57 | 1 | 1268 | 0.13 | 5 | 132 | 66 | 14.87 | 7 | 5 | 0.15 |
| 99BST-340 | 360792.23 | 6079576.49 | 1.9 | 0.25 | 273 | 4623 | 2 | 54 | 1 | 1472 | 0.07 | 5 | 111 | 52 | 18.02 | 3 | 4 | 0.12 |
| 99BST-341 | 363366.15 | 6079087.77 | 1.8 | 1.24 | 128 | 3716 | 1 | 25 | 9 | 1647 | 0.16 | 5 | 137 | 20 | 21.17 | 1 | 5 | 0.23 |
| 99BST-342 | 361709.41 | 6079470.25 | 1.6 | 0.66 | 174 | 9921 | 1 | 35 | 7 | 1512 | 0.18 | 5 | 176 | 71 | 17.23 | 2 | 6 | 0.21 |
| 99BST-343 | 365228.31 | 6078367.51 | 1.6 | 1.01 | 124 | 13180 | 1 | 32 | 7 | 1637 | 0.16 | 5 | 132 | 5 | 19.28 | 3 | 6 | 0.21 |
| 99BST-344 | 364266.45 | 6076224.84 | 1.1 | 0.25 | 181 | 8753 | 1 | 133 | 1 | 1346 | 0.11 | 5 | 102 | 85 | 12.58 | 10 | 5 | 0.16 |
| 99BST-345 | 362453.17 | 6075416.23 | 1.9 | 0.70 | 126 | 5397 | 1 | 26 | 6 | 1552 | 0.19 | 12 | 181 | 5 | 22.94 | 1 | 5 | 0.24 |
| 99BST-346 | 363508.62 | 6077282.57 | 1.4 | 0.59 | 122 | 13530 | 1 | 60 | 6 | 1848 | 0.16 | 5 | 120 | 104 | 17.65 | 1 | 6 | 0.22 |
| 99BST-347 | 390123.06 | 6073013.81 | 1.3 | 0.77 | 129 | 7519 | 1 | 36 | 5 | 1745 | 0.12 | 5 | 132 | 70 | 15.00 | 1 | 5 | 0.16 |
| 99BST-348 | 386609.32 | 6076034.47 | 1.8 | 0.63 | 215 | 6841 | 1 | 29 | 3 | 1587 | 0.11 | 5 | 100 | 73 | 18.39 | 3 | 5 | 0.19 |
| 99BST-349 | 394290.85 | 6073197.89 | 1.3 | 1.63 | 200 | 6900 | 1 | 81 | 5 | 1554 | 0.15 | 5 | 143 | 67 | 16.91 | 4 | 6 | 0.19 |
| 99BST-350 | 381237.22 | 6069551.39 | 1.7 | 0.54 | 163 | 7956 | 1 | 29 | 4 | 1398 | 0.16 | 5 | 141 | 39 | 19.16 | 2 | 5 | 0.16 |
| 99BST-351 | 377332.39 | 6064774.37 | 1.4 | 0.90 | 147 | 7673 | 1 | 45 | 1 | 1501 | 0.09 | 5 | 69 | 63 | 16.59 | 2 | 5 | 0.13 |

| Sample Site | K | Mg | Na | P | Sr | V | W | S |
|---|---|---|---|---|---|---|---|---|
| | % | % | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-1 | 12.61 | 4.08 | 0.08 | 26440 | 426 | 3 | 30 | 19460 |
| 99BST-2 | 15.79 | 3.56 | 0.06 | 27750 | 147 | 4 | 33 | 21070 |
| 99BST-3 | 10.75 | 4.18 | 0.11 | 21530 | 272 | 5 | 34 | 11110 |
| 99BST-4 | 8.99 | 2.49 | 0.09 | 18040 | 202 | 6 | 48 | 9060 |
| 99BST-5 | 9.30 | 2.29 | 0.23 | 18300 | 296 | 6 | 23 | 9349 |
| 99BST-6 | 11.65 | 3.18 | 0.12 | 27950 | 293 | 10 | 57 | 14290 |
| 99BST-7 Analytical Duplicate | 14.53 | 4.30 | 0.17 | 29040 | 557 | 4 | 33 | 10820 |
| 99BST-7 Analytical Duplicate | 13.87 | 4.14 | 0.15 | 27890 | 539 | 3 | 29 | 10300 |
| 99BST-8 | 10.87 | 5.28 | 0.08 | 30440 | 247 | 4 | 41 | 20300 |
| 99BST-9 | 10.19 | 3.06 | 0.09 | 18950 | 177 | 5 | 48 | 13280 |
| 99BST-10 | 13.89 | 3.10 | 0.14 | 20810 | 163 | 3 | 28 | 19140 |
| 99BST-11 | 8.66 | 2.99 | 0.08 | 19900 | 213 | 3 | 23 | 14410 |
| 99BST-12 Analytical Duplicate | 7.48 | 2.62 | 0.05 | 16150 | 188 | 3 | 26 | 10380 |
| 99BST-12 Analytical Duplicate | 10.74 | 3.86 | 0.08 | 22910 | 278 | 5 | 35 | 14440 |
| 99BST-13 | 11.52 | 4.40 | 0.16 | 24170 | 768 | 4 | 46 | 10990 |
| 99BST-14 | 12.10 | 4.37 | 0.09 | 29950 | 377 | 4 | 56 | 17340 |
| 99BST-15 | 14.27 | 4.51 | 0.12 | 37780 | 263 | 3 | 44 | 12260 |
| 99BST-16 | 10.03 | 4.10 | 0.07 | 26440 | 156 | 3 | 35 | 11270 |
| 99BST-17 | 12.19 | 3.24 | 0.06 | 23990 | 252 | 2 | 34 | 20300 |
| 99BST-18 | 12.33 | 3.40 | 0.08 | 30960 | 119 | 4 | 42 | 18880 |
| 99BST-19 | 11.10 | 3.18 | 0.05 | 28670 | 142 | 3 | 42 | 15650 |
| 99BST-20 | 10.59 | 3.49 | 0.05 | 27620 | 323 | 4 | 63 | 17040 |
| 99BST-21-1 Analytical Duplicate | 12.19 | 4.11 | 0.05 | 33980 | 196 | 3 | 45 | 12250 |
| 99BST-21-2 Analytical Duplicate | 11.05 | 3.79 | 0.06 | 31570 | 235 | 5 | 54 | 24140 |
| 99BST-22 | 10.60 | 2.81 | 0.08 | 19650 | 400 | 4 | 25 | 10880 |
| 99BST-23 | 14.24 | 3.92 | 0.06 | 33460 | 187 | 3 | 26 | 18080 |
| 99BST-24 Analytical Duplicate | 14.37 | 4.45 | 0.08 | 27920 | 329 | 4 | 23 | 17870 |
| 99BST-24 Analytical Duplicate | 13.88 | 4.33 | 0.08 | 27200 | 323 | 4 | 21 | 17420 |
| 99BST-25 | 13.98 | 3.33 | 0.07 | 31420 | 167 | 3 | 31 | 19850 |
| 99BST-26 | 14.44 | 4.47 | 0.07 | 28540 | 228 | 3 | 31 | 30040 |
| 99BST-27 | 9.29 | 3.00 | 0.04 | 21040 | 246 | 3 | 27 | 24560 |
| 99BST-28 | 14.00 | 3.69 | 0.04 | 33420 | 160 | 3 | 44 | 18420 |
| 99BST-29 | 10.71 | 4.54 | 0.03 | 35080 | 172 | 3 | 51 | 16760 |
| 99BST-30 | 13.70 | 3.94 | 0.05 | 28990 | 139 | 3 | 36 | 23100 |
| 99BST-31 | 15.44 | 3.97 | 0.06 | 31320 | 192 | 3 | 44 | 14340 |
| 99BST-32 | 8.35 | 5.84 | 0.13 | 35400 | 153 | 6 | 35 | 18020 |
| 99BST-33 | 14.69 | 3.75 | 0.07 | 36790 | 382 | 5 | 48 | 16690 |
| 99BST-34 | 13.95 | 5.72 | 0.09 | 54510 | 89 | 5 | 51 | 27140 |
| 99BST-35 | 12.92 | 3.17 | 0.06 | 30910 | 229 | 3 | 34 | 17820 |
| 99BST-36 | 11.13 | 3.08 | 0.05 | 30440 | 283 | 4 | 27 | 18060 |
| 99BST-37 | 11.49 | 3.81 | 0.15 | 22780 | 189 | 11 | 55 | 14910 |
| 99BST-38 | 11.67 | 3.69 | 0.05 | 27510 | 221 | 3 | 32 | 13840 |
| 99BST-39 | 12.60 | 3.23 | 0.11 | 18750 | 216 | 2 | 19 | 17550 |
| 99BST-40 | 10.63 | 3.92 | 0.14 | 26620 | 226 | 4 | 47 | 21240 |
| 99BST-41-1 Analytical Duplicate | 15.14 | 3.38 | 0.06 | 35650 | 111 | 3 | 49 | 25950 |

| Sample Site | K<br>% | Mg<br>% | Na<br>% | P<br>ppm | Sr<br>ppm | V<br>ppm | W<br>ppm | S<br>ppm |
|---|---|---|---|---|---|---|---|---|
| 99BST-41-2 Analytical Duplicate | 12.40 | 2.99 | 0.07 | 29480 | 96 | 4 | 46 | 18950 |
| 99BST-42 Analytical Duplicate | 16.74 | 3.94 | 0.06 | 35120 | 549 | 3 | 25 | 24990 |
| 99BST-42 Analytical Duplicate | 16.08 | 3.84 | 0.05 | 33680 | 540 | 3 | 28 | 23960 |
| 99BST-43 | 11.20 | 5.09 | 0.05 | 25180 | 347 | 3 | 32 | 17570 |
| 99BST-44 | 12.27 | 5.03 | 0.09 | 30930 | 596 | 8 | 43 | 15100 |
| 99BST-45 | 17.43 | 4.12 | 0.07 | 47550 | 303 | 3 | 32 | 23150 |
| 99BST-46 | 11.08 | 3.59 | 0.05 | 26650 | 244 | 5 | 40 | 12690 |
| 99BST-47 | 14.33 | 2.62 | 0.04 | 30070 | 258 | 3 | 42 | 16330 |
| 99BST-48 Analytical Duplicate | 13.66 | 4.21 | 0.04 | 31930 | 179 | 2 | 45 | 24710 |
| 99BST-48 Analytical Duplicate | 15.11 | 4.70 | 0.05 | 36180 | 191 | 3 | 45 | 25430 |
| 99BST-49 | 12.68 | 3.97 | 0.11 | 33720 | 346 | 4 | 30 | 14970 |
| 99BST-50 | 9.62 | 4.06 | 0.06 | 22140 | 376 | 4 | 30 | 11460 |
| 99BST-51 | 13.39 | 4.01 | 0.07 | 24650 | 416 | 5 | 33 | 14370 |
| 99BST-52 | 11.21 | 2.55 | 0.06 | 21230 | 335 | 5 | 43 | 15900 |
| 99BST-53 | 15.45 | 4.32 | 0.07 | 32960 | 243 | 4 | 38 | 16060 |
| 99BST-54 | 13.40 | 3.39 | 0.06 | 33820 | 270 | 3 | 31 | 14390 |
| 99BST-55 | 11.97 | 4.25 | 0.09 | 25460 | 169 | 11 | 53 | 12720 |
| 99BST-56 | 13.14 | 5.34 | 0.06 | 33590 | 95 | 7 | 50 | 16090 |
| 99BST-57 | 10.55 | 4.17 | 0.04 | 32680 | 301 | 3 | 33 | 9623 |
| 99BST-58 | 12.65 | 3.82 | 0.05 | 30090 | 249 | 4 | 24 | 9674 |
| 99BST-59 | 9.04 | 3.44 | 0.09 | 17580 | 122 | 7 | 61 | 10390 |
| 99BST-60 | 12.00 | 4.72 | 0.08 | 24550 | 102 | 7 | 58 | 15300 |
| 99BST-61 | 12.62 | 4.11 | 0.08 | 27020 | 120 | 8 | 52 | 10930 |
| 99BST-62 | 12.27 | 4.33 | 0.07 | 26180 | 150 | 6 | 53 | 10230 |
| 99BST-63 | 10.46 | 2.96 | 0.05 | 24040 | 171 | 3 | 42 | 12470 |
| 99BST-64 | 12.23 | 4.22 | 0.14 | 31030 | 330 | 7 | 45 | 10110 |
| 99BST-65 Analytical Duplicate | 13.28 | 4.35 | 0.08 | 35890 | 252 | 3 | 34 | 10720 |
| 99BST-65 Analytical Duplicate | 13.78 | 4.40 | 0.08 | 35880 | 256 | 3 | 36 | 11540 |
| 99BST-66 | 12.00 | 3.48 | 0.10 | 30270 | 471 | 8 | 60 | 12680 |
| 99BST-67 | 11.32 | 3.05 | 0.12 | 25870 | 462 | 6 | 65 | 12120 |
| 99BST-68 | 12.18 | 3.52 | 0.10 | 28690 | 131 | 5 | 49 | 14480 |
| 99BST-69 | 13.64 | 3.19 | 0.04 | 28010 | 268 | 3 | 30 | 19630 |
| 99BST-70-1 Field Duplicate | 12.82 | 4.85 | 0.09 | 29290 | 234 | 3 | 38 | 15680 |
| 99BST-70-2 Analytical Duplicate | 14.16 | 4.84 | 0.20 | 33020 | 225 | 4 | 40 | 18400 |
| 99BST-70-2 Analytical Duplicate | 14.87 | 5.07 | 0.22 | 34260 | 237 | 4 | 41 | 18850 |
| 99BST-71 | 15.36 | 4.06 | 0.47 | 46270 | 298 | 3 | 38 | 16450 |
| 99BST-72 | 12.97 | 2.97 | 0.05 | 35070 | 226 | 4 | 33 | 11780 |
| 99BST-73 | 12.58 | 3.65 | 0.06 | 28050 | 278 | 4 | 47 | 10020 |
| 99BST-74 | 12.34 | 4.47 | 0.07 | 37370 | 223 | 4 | 46 | 12680 |
| 99BST-75 Analytical Duplicate | 16.70 | 4.44 | 0.06 | 45680 | 150 | 3 | 43 | 14570 |
| 99BST-75 Analytical Duplicate | 16.14 | 4.38 | 0.05 | 44680 | 148 | 3 | 36 | 14410 |
| 99BST-76 | 12.84 | 3.88 | 0.06 | 40130 | 200 | 4 | 47 | 17920 |
| 99BST-77 | 13.03 | 3.88 | 0.02 | 45400 | 110 | 2 | 43 | 13250 |
| 99BST-78 | 13.26 | 3.51 | 0.04 | 30580 | 176 | 3 | 23 | 10980 |
| 99BST-79 | 13.62 | 3.86 | 0.05 | 29280 | 337 | 4 | 24 | 18800 |
| 99BST-80 | 14.22 | 4.47 | 0.05 | 38700 | 243 | 3 | 50 | 15840 |
| 99BST-81 | 12.93 | 4.32 | 0.05 | 36180 | 197 | 3 | 40 | 13950 |
| 99BST-82-1 Analytical Duplicate | 11.61 | 2.91 | 0.17 | 18920 | 213 | 11 | 49 | 10340 |
| 99BST-82-1 Analytical Duplicate | 13.04 | 3.20 | 0.19 | 21380 | 235 | 12 | 54 | 11720 |
| 99BST-82-2 Field Duplicate | 13.49 | 4.44 | 0.08 | 26400 | 141 | 10 | 74 | 17380 |
| 99BST-83 | 11.80 | 2.76 | 0.07 | 23680 | 259 | 6 | 43 | 11670 |
| 99BST-84 | 12.12 | 3.97 | 0.06 | 25660 | 235 | 5 | 48 | 16730 |

| Sample Site | K | Mg | Na | P | Sr | V | W | S |
|---|---|---|---|---|---|---|---|---|
| | % | % | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-85 | 10.10 | 2.81 | 0.05 | 20730 | 321 | 8 | 47 | 11420 |
| 99BST-86 | 12.50 | 4.96 | 0.03 | 30640 | 239 | 3 | 48 | 16060 |
| 99BST-87 | 14.14 | 3.59 | 0.03 | 31830 | 82 | 2 | 41 | 21540 |
| 99BST-88 | 12.72 | 3.21 | 0.03 | 20630 | 345 | 4 | 46 | 9972 |
| 99BST-89 | 11.89 | 3.91 | 0.08 | 29160 | 206 | 5 | 52 | 16140 |
| 99BST-90 | 11.55 | 3.90 | 0.07 | 31100 | 195 | 7 | 52 | 17350 |
| 99BST-91 | 12.48 | 3.23 | 0.47 | 25490 | 218 | 9 | 66 | 11130 |
| 99BST-92 | 6.67 | 4.45 | 0.27 | 42980 | 389 | 11 | 52 | 11540 |
| 99BST-93 | 12.81 | 3.96 | 0.04 | 28780 | 393 | 4 | 45 | 7294 |
| 99BST-94 | 11.37 | 2.67 | 0.04 | 20430 | 241 | 5 | 43 | 7100 |
| 99BST-95 Analytical Duplicate | 12.61 | 4.25 | 0.05 | 25630 | 153 | 4 | 32 | 11870 |
| 99BST-95 Analytical Duplicate | 12.42 | 4.14 | 0.05 | 25180 | 152 | 4 | 33 | 12270 |
| 99BST-96 | 12.71 | 3.32 | 0.04 | 36280 | 210 | 3 | 33 | 11780 |
| 99BST-97 | 12.41 | 3.17 | 0.06 | 24880 | 345 | 6 | 50 | 18980 |
| 99BST-98 Analytical Duplicate | 11.91 | 2.99 | 0.03 | 22820 | 251 | 3 | 22 | 12850 |
| 99BST-98 Analytical Duplicate | 11.49 | 2.91 | 0.04 | 21740 | 242 | 3 | 18 | 11980 |
| 99BST-99 | 12.17 | 2.57 | 0.05 | 27580 | 241 | 5 | 39 | 9382 |
| 99BST-100 | 11.13 | 4.50 | 0.05 | 27300 | 235 | 4 | 44 | 15770 |
| 99BST-101-1 Field Duplicate | 10.56 | 2.96 | 0.05 | 27160 | 198 | 5 | 37 | 9860 |
| 99BST-101-2 Field Duplicate | 12.60 | 4.05 | 0.06 | 33340 | 186 | 5 | 45 | 7800 |
| 99BST-102 | 15.42 | 4.11 | 0.04 | 36160 | 155 | 2 | 29 | 16320 |
| 99BST-103 | 13.20 | 5.31 | 0.04 | 40590 | 230 | 4 | 32 | 11250 |
| 99BST-104 | 13.92 | 2.67 | 0.03 | 30830 | 301 | 4 | 28 | 10530 |
| 99BST-105 | 11.36 | 3.41 | 0.07 | 26020 | 144 | 7 | 58 | 13970 |
| 99BST-106 Analytical Duplicate | 11.32 | 2.88 | 0.05 | 19710 | 300 | 5 | 33 | 14940 |
| 99BST-106 Analytical Duplicate | 11.19 | 2.79 | 0.05 | 19320 | 289 | 4 | 26 | 15080 |
| 99BST-107 | 12.40 | 3.52 | 0.04 | 23120 | 189 | 3 | 30 | 12350 |
| 99BST-108 | 12.09 | 3.77 | 0.04 | 28600 | 200 | 3 | 39 | 14470 |
| 99BST-109 Analytical Duplicate | 11.59 | 4.49 | 0.06 | 28450 | 267 | 4 | 31 | 18140 |
| 99BST-109 Analytical Duplicate | 12.14 | 4.69 | 0.07 | 29730 | 276 | 4 | 31 | 18780 |
| 99BST-110 | 13.27 | 4.41 | 0.05 | 40220 | 360 | 4 | 41 | 16070 |
| 99BST-111 | 13.98 | 4.10 | 0.07 | 42030 | 198 | 4 | 41 | 12260 |
| 99BST-113 | 12.63 | 3.92 | 0.04 | 35890 | 202 | 3 | 43 | 15810 |
| 99BST-114 | 12.22 | 4.00 | 0.04 | 23960 | 770 | 4 | 61 | 14950 |
| 99BST-115 | 10.93 | 3.98 | 0.05 | 23320 | 285 | 4 | 39 | 15470 |
| 99BST-118 | 13.66 | 3.82 | 0.03 | 32000 | 191 | 3 | 46 | 19250 |
| 99BST-120 | 9.63 | 2.80 | 0.08 | 17810 | 264 | 9 | 27 | 13070 |
| 99BST-121 | 13.22 | 3.96 | 0.05 | 34180 | 179 | 5 | 44 | 8316 |
| 99BST-122 | 12.32 | 5.77 | 0.06 | 46960 | 360 | 6 | 58 | 15150 |
| 99BST-123 | 10.59 | 3.59 | 0.05 | 32090 | 200 | 4 | 35 | 11490 |
| 99BST-124-1 Field Duplicate | 11.19 | 3.90 | 0.05 | 28690 | 153 | 3 | 35 | 9975 |
| 99BST-124-2 Field Duplicate | 12.85 | 2.91 | 0.05 | 30760 | 226 | 3 | 33 | 8796 |
| 99BST-125 | 9.82 | 3.01 | 0.05 | 18590 | 302 | 4 | 34 | 10610 |
| 99BST-126 | 12.61 | 4.03 | 0.04 | 33930 | 209 | 3 | 47 | 9572 |
| 99BST-127 | 12.45 | 4.27 | 0.05 | 33840 | 188 | 4 | 28 | 13780 |
| 99BST-129 | 7.93 | 4.19 | 0.06 | 22770 | 247 | 12 | 23 | 13400 |
| 99BST-130 | 7.91 | 4.14 | 0.05 | 25070 | 379 | 6 | 53 | 10160 |
| 99BST-131 | 15.71 | 3.45 | 0.03 | 38810 | 223 | 3 | 46 | 15780 |
| 99BST-132 | 12.29 | 3.07 | 0.05 | 25950 | 465 | 7 | 60 | 17930 |
| 99BST-133 Analytical Duplicate | 14.99 | 3.83 | 0.04 | 39770 | 189 | 3 | 49 | 17640 |
| 99BST-133 Analytical Duplicate | 14.05 | 3.75 | 0.05 | 38820 | 183 | 3 | 47 | 16290 |
| 99BST-134 Analytical Duplicate | 10.87 | 3.26 | 0.05 | 28130 | 226 | 5 | 28 | 12700 |

| Sample Site | K | Mg | Na | P | Sr | V | W | S |
|---|---|---|---|---|---|---|---|---|
| | % | % | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-134 Analytical Duplicate | 10.20 | 3.06 | 0.05 | 25400 | 214 | 4 | 23 | 10690 |
| 99BST-135 | 12.88 | 2.96 | 0.04 | 28240 | 389 | 3 | 28 | 10450 |
| 99BST-137 | 12.12 | 3.11 | 0.05 | 28920 | 364 | 5 | 47 | 9870 |
| 99BST-138 | 12.50 | 3.96 | 0.06 | 23310 | 171 | 5 | 46 | 10860 |
| 99BST-139 | 12.71 | 3.79 | 0.03 | 31110 | 293 | 2 | 36 | 12400 |
| 99BST-140 | 9.81 | 3.42 | 0.03 | 19340 | 331 | 5 | 43 | 10610 |
| 99BST-141-1 Field Duplicate | 13.59 | 3.08 | 0.03 | 34030 | 255 | 3 | 39 | 12090 |
| 99BST-141-2 Field Duplicate | 11.93 | 3.05 | 0.03 | 36860 | 254 | 3 | 46 | 16670 |
| 99BST-142 | 11.98 | 4.34 | 0.06 | 31820 | 269 | 4 | 44 | 10550 |
| 99BST-143 | 13.25 | 4.09 | 0.04 | 27770 | 398 | 3 | 45 | 13280 |
| 99BST-144 Analytical Duplicate | 14.17 | 4.70 | 0.04 | 36180 | 517 | 3 | 38 | 17080 |
| 99BST-144 Analytical Duplicate | 13.63 | 4.53 | 0.04 | 34710 | 498 | 3 | 37 | 16440 |
| 99BST-145 | 10.44 | 3.12 | 0.04 | 24910 | 305 | 5 | 43 | 13210 |
| 99BST-146 | 13.32 | 4.46 | 0.08 | 26240 | 91 | 6 | 57 | 18900 |
| 99BST-147 | 10.66 | 2.24 | 0.04 | 18970 | 253 | 4 | 43 | 10950 |
| 99BST-148 | 11.32 | 3.27 | 0.03 | 24180 | 202 | 3 | 26 | 12180 |
| 99BST-149 | 8.63 | 2.68 | 0.04 | 18290 | 226 | 3 | 31 | 8759 |
| 99BST-150 | 12.35 | 4.13 | 0.04 | 28430 | 85 | 4 | 52 | 13800 |
| 99BST-151 Analytical Duplicate | 13.27 | 2.82 | 0.03 | 21020 | 236 | 4 | 53 | 11570 |
| 99BST-151 Analytical Duplicate | 13.53 | 2.85 | 0.03 | 21560 | 238 | 4 | 53 | 11910 |
| 99BST-152 | 12.52 | 2.98 | 0.05 | 24180 | 148 | 6 | 32 | 16910 |
| 99BST-153 | 11.30 | 3.25 | 0.09 | 24720 | 295 | 7 | 52 | 11940 |
| 99BST-154 | 12.97 | 3.67 | 0.06 | 21410 | 265 | 5 | 52 | 10840 |
| 99BST-155 | 12.50 | 4.20 | 0.04 | 29130 | 268 | 4 | 48 | 14740 |
| 99BST-156 Analytical Duplicate | 11.23 | 4.06 | 0.03 | 28890 | 151 | 3 | 44 | 16650 |
| 99BST-156 Analytical Duplicate | 11.76 | 4.20 | 0.03 | 30050 | 157 | 3 | 46 | 17130 |
| 99BST-157 | 12.75 | 4.73 | 0.03 | 28960 | 235 | 4 | 45 | 19620 |
| 99BST-201 | 10.60 | 4.06 | 0.07 | 32430 | 162 | 3 | 37 | 12720 |
| 99BST-202 | 10.53 | 2.71 | 0.03 | 28660 | 171 | 2 | 31 | 24550 |
| 99BST-203 | 10.25 | 3.59 | 0.07 | 33230 | 262 | 4 | 50 | 16360 |
| 99BST-204 | 10.68 | 3.49 | 0.05 | 31390 | 244 | 3 | 38 | 15260 |
| 99BST-205 | 9.99 | 3.31 | 0.08 | 27810 | 599 | 4 | 41 | 14770 |
| 99BST-206 | 11.73 | 3.48 | 0.04 | 28050 | 583 | 4 | 44 | 17320 |
| 99BST-207 | 11.88 | 3.62 | 0.05 | 39190 | 306 | 3 | 47 | 18000 |
| 99BST-208 | 12.59 | 3.42 | 0.07 | 27960 | 270 | 4 | 35 | 23200 |
| 99BST-209 | 13.04 | 3.68 | 0.05 | 34270 | 249 | 4 | 38 | 20360 |
| 99BST-210 | 12.42 | 2.87 | 0.04 | 39510 | 179 | 2 | 45 | 13230 |
| 99BST-211 | 10.65 | 3.50 | 0.06 | 27990 | 183 | 4 | 43 | 10730 |
| 99BST-212 Analytical Duplicate | 12.39 | 3.65 | 0.10 | 37040 | 277 | 3 | 35 | 15350 |
| 99BST-212 Analytical Duplicate | 11.74 | 3.54 | 0.09 | 35770 | 259 | 3 | 34 | 14800 |
| 99BST-213 | 11.63 | 2.61 | 0.17 | 28720 | 419 | 3 | 34 | 8683 |
| 99BST-214 | 8.90 | 2.82 | 0.04 | 20430 | 237 | 4 | 39 | 15380 |
| 99BST-215 | 9.97 | 3.06 | 0.08 | 18790 | 289 | 6 | 38 | 14560 |
| 99BST-216 | 10.89 | 2.73 | 0.07 | 22780 | 418 | 3 | 32 | 19060 |
| 99BST-217 | 9.73 | 3.25 | 0.04 | 34900 | 358 | 3 | 38 | 14090 |
| 99BST-218 | 9.83 | 2.74 | 0.05 | 24190 | 147 | 2 | 23 | 8049 |
| 99BST-219-1 Field Duplicate | 12.92 | 3.59 | 0.05 | 31650 | 320 | 5 | 37 | 12890 |
| 99BST-219-2 Ficld Duplicate | 14.22 | 3.91 | 0.10 | 28890 | 290 | 4 | 48 | 15300 |
| 99BST-220 | 12.39 | 3.77 | 0.07 | 26110 | 481 | 6 | 39 | 12610 |
| 99BST-221 | 13.44 | 3.36 | 0.08 | 33240 | 204 | 3 | 21 | 16340 |
| 99BST-222 | 8.80 | 2.63 | 0.12 | 20680 | 300 | 6 | 46 | 5776 |
| 99BST-223 | 13.18 | 3.28 | 0.05 | 27540 | 418 | 4 | 50 | 6648 |

| Sample Site | K | Mg | Na | P | Sr | V | W | S |
|---|---|---|---|---|---|---|---|---|
| | % | % | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-224 | 13.27 | 3.66 | 0.07 | 22210 | 179 | 7 | 37 | 13810 |
| 99BST-226 | 15.34 | 2.68 | 0.06 | 27580 | 121 | 6 | 48 | 20030 |
| 99BST-227 | 13.79 | 4.32 | 0.05 | 33030 | 169 | 4 | 32 | 14110 |
| 99BST-228 | 15.66 | 3.78 | 0.06 | 29810 | 173 | 4 | 34 | 17650 |
| 99BST-229 | 12.21 | 3.64 | 0.08 | 42590 | 558 | 3 | 47 | 17460 |
| 99BST-230 Analytical Duplicate | 12.07 | 4.13 | 0.14 | 27700 | 324 | 6 | 25 | 16750 |
| 99BST-230 Analytical Duplicate | 12.55 | 4.33 | 0.15 | 28750 | 338 | 6 | 26 | 19660 |
| 99BST-230 Analytical Duplicate | 14.79 | 3.71 | 0.22 | 43670 | 274 | 5 | 33 | 21850 |
| 99BST-231 | 10.90 | 4.56 | 0.05 | 24520 | 206 | 4 | 29 | 16290 |
| 99BST-232 | 12.71 | 4.47 | 0.05 | 25890 | 255 | 4 | 40 | 12620 |
| 99BST-233 | 11.40 | 2.88 | 0.05 | 18390 | 207 | 6 | 41 | 12050 |
| 99BST-234 | 12.58 | 3.92 | 0.22 | 20950 | 215 | 7 | 26 | 13280 |
| 99BST-235 | 12.00 | 3.65 | 0.04 | 20920 | 315 | 5 | 32 | 10560 |
| 99BST-236 | 14.10 | 3.04 | 0.09 | 32600 | 344 | 4 | 39 | 13650 |
| 99BST-237 | 12.47 | 4.83 | 0.04 | 38400 | 323 | 5 | 48 | 16160 |
| 99BST-238 | 13.18 | 4.07 | 0.05 | 28300 | 324 | 4 | 25 | 11180 |
| 99BST-239 | 12.25 | 3.10 | 0.06 | 22680 | 371 | 5 | 28 | 12180 |
| 99BST-240 | 12.61 | 3.14 | 0.07 | 25070 | 236 | 3 | 25 | 13280 |
| 99BST-241 | 15.28 | 3.27 | 0.04 | 25470 | 300 | 3 | 36 | 16010 |
| 99BST-242 | 17.27 | 2.64 | 0.04 | 39130 | 151 | 3 | 32 | 17700 |
| 99BST-243 Analytical Duplicate | 15.94 | 3.24 | 0.04 | 39190 | 325 | 2 | 24 | 11330 |
| 99BST-243 Analytical Duplicate | 16.12 | 3.31 | 0.04 | 39750 | 331 | 2 | 27 | 11590 |
| 99BST-244 | 14.21 | 2.91 | 0.03 | 27080 | 199 | 3 | 21 | 14230 |
| 99BST-245 | 14.73 | 2.75 | 0.04 | 29560 | 184 | 3 | 22 | 17680 |
| 99BST-246 | 12.48 | 3.57 | 0.04 | 30530 | 200 | 4 | 32 | 17930 |
| 99BST-247 Analytical Duplicate | 11.78 | 2.90 | 0.03 | 23290 | 299 | 3 | 23 | 11640 |
| 99BST-247 Analytical Duplicate | 11.91 | 2.92 | 0.03 | 22920 | 300 | 2 | 25 | 11020 |
| 99BST-248-1 Field Duplicate | 17.15 | 3.56 | 0.07 | 30660 | 908 | 3 | 26 | 16490 |
| 99BST-248-2 Field Duplicate | 15.21 | 3.94 | 0.05 | 40630 | 619 | 2 | 43 | 12220 |
| 99BST-249 | 11.92 | 4.06 | 0.05 | 29220 | 199 | 3 | 48 | 18240 |
| 99BST-251 | 15.15 | 3.21 | 0.29 | 33480 | 233 | 3 | 43 | 13290 |
| 99BST-252 | 14.52 | 3.14 | 0.06 | 34110 | 252 | 3 | 28 | 12810 |
| 99BST-253 | 15.40 | 3.67 | 0.05 | 35590 | 284 | 4 | 43 | 14200 |
| 99BST-254 | 15.34 | 3.61 | 0.07 | 36430 | 258 | 6 | 38 | 15720 |
| 99BST-255 Analytical Duplicate | 17.43 | 4.19 | 0.09 | 40780 | 244 | 3 | 32 | 15840 |
| 99BST-255 Analytical Duplicate | 19.87 | 4.55 | 0.10 | 46170 | 271 | 3 | 33 | 25510 |
| 99BST-256 | 16.84 | 3.05 | 0.03 | 37040 | 188 | 2 | 36 | 16040 |
| 99BST-257 | 10.14 | 2.76 | 0.04 | 30230 | 160 | 4 | 41 | 11260 |
| 99BST-258 | 13.81 | 4.14 | 0.03 | 35060 | 185 | 3 | 39 | 11290 |
| 99BST-259 | 13.45 | 2.67 | 0.09 | 37850 | 422 | 4 | 45 | 10760 |
| 99BST-260 | 14.38 | 4.34 | 0.05 | 43120 | 192 | 4 | 36 | 24670 |
| 99BST-261 | 15.84 | 4.59 | 0.04 | 34250 | 286 | 5 | 24 | 17070 |
| 99BST-262 | 12.47 | 2.63 | 0.04 | 23330 | 391 | 6 | 52 | 11160 |
| 99BST-263 Analytical Duplicate | 14.94 | 2.90 | 0.04 | 31240 | 431 | 3 | 32 | 12900 |
| 99BST-263 Analytical Duplicate | 17.44 | 3.37 | 0.05 | 36460 | 507 | 3 | 39 | 15100 |
| 99BST-264 | 14.45 | 3.95 | 0.06 | 26430 | 198 | 8 | 34 | 10650 |
| 99BST-265 | 14.94 | 5.00 | 0.08 | 33750 | 184 | 4 | 44 | 10620 |
| 99BST-266 | 13.79 | 3.48 | 0.04 | 29820 | 342 | 5 | 47 | 8328 |
| 99BST-267 Analytical Duplicate | 17.39 | 2.84 | 0.04 | 41360 | 234 | 3 | 39 | 10820 |
| 99BST-267 Analytical Duplicate | 17.04 | 2.78 | 0.04 | 39870 | 232 | 3 | 35 | 12770 |
| 99BST-268 | 13.66 | 3.30 | 0.06 | 35620 | 289 | 4 | 38 | 10120 |
| 99BST-269 | 12.28 | 3.48 | 0.10 | 29200 | 374 | 5 | 40 | 8273 |

| Sample Site | K | Mg | Na | P | Sr | V | W | S |
|---|---|---|---|---|---|---|---|---|
| | % | % | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-270 | 11.79 | 3.94 | 0.03 | 32670 | 438 | 3 | 25 | 5289 |
| 99BST-271 | 14.95 | 3.52 | 0.07 | 27670 | 270 | 6 | 40 | 7718 |
| 99BST-272 | 16.58 | 4.93 | 0.07 | 33230 | 123 | 3 | 40 | 6962 |
| 99BST-273 | 15.52 | 3.79 | 0.10 | 32750 | 215 | 4 | 34 | 5998 |
| 99BST-274 | 15.03 | 3.57 | 0.10 | 28280 | 299 | 7 | 43 | 6102 |
| 99BST-275 | 16.30 | 4.01 | 0.09 | 23940 | 316 | 5 | 43 | 5968 |
| 99BST-276-1 Field Duplicate | 10.35 | 5.03 | 0.06 | 23320 | 290 | 5 | 30 | 4701 |
| 99BST-276-2 Field Duplicate | 9.76 | 2.12 | 0.06 | 19890 | 311 | 6 | 36 | 6075 |
| 99BST-277 | 11.58 | 3.44 | 0.07 | 27570 | 483 | 7 | 43 | 5569 |
| 99BST-278 | 10.23 | 4.13 | 0.06 | 20900 | 356 | 4 | 44 | 19090 |
| 99BST-279 Field Duplicate | 12.47 | 3.97 | 0.08 | 32010 | 465 | 6 | 59 | 18080 |
| 99BST-279 Field Duplicate | 12.10 | 3.89 | 0.07 | 31240 | 454 | 6 | 57 | 17440 |
| 99BST-280 | 17.40 | 2.75 | 0.07 | 35300 | 395 | 4 | 47 | 11470 |
| 99BST-281 | 11.44 | 3.67 | 0.08 | 24510 | 344 | 4 | 25 | 14640 |
| 99BST-282-1 Field  Duplicate | 13.32 | 3.49 | 0.07 | 26190 | 256 | 8 | 53 | 12700 |
| 99BST-282-2 Field Duplicate | 14.46 | 4.44 | 0.07 | 30690 | 183 | 5 | 35 | 24180 |
| 99BST-283 | 11.71 | 3.26 | 0.09 | 22890 | 230 | 7 | 42 | 17670 |
| 99BST-284 | 13.69 | 5.24 | 0.07 | 36030 | 89 | 6 | 39 | 19110 |
| 99BST-285 | 13.02 | 4.08 | 0.07 | 34660 | 361 | 6 | 57 | 16270 |
| 99BST-287 | 11.16 | 2.96 | 0.10 | 29990 | 178 | 4 | 34 | 20390 |
| 99BST-288 | 13.33 | 3.41 | 0.05 | 29880 | 175 | 3 | 38 | 15240 |
| 99BST-289 Analytical Duplicate | 14.37 | 3.24 | 0.06 | 27570 | 154 | 4 | 49 | 18670 |
| 99BST-289 Analytical Duplicate | 16.89 | 3.70 | 0.11 | 32470 | 177 | 5 | 54 | 21110 |
| 99BST-290 | 12.93 | 3.92 | 0.09 | 23500 | 305 | 5 | 42 | 14480 |
| 99BST-291 | 13.42 | 2.97 | 0.07 | 28530 | 226 | 6 | 40 | 14270 |
| 99BST-292-1 Field Duplicate | 15.30 | 3.57 | 0.06 | 39310 | 233 | 5 | 32 | 19450 |
| 99BST-292-2 Field Duplicate | 13.71 | 3.70 | 0.05 | 38970 | 228 | 4 | 40 | 18780 |
| 99BST-293 | 15.98 | 2.98 | 0.09 | 31240 | 177 | 5 | 27 | 15710 |
| 99BST-294 | 16.29 | 2.73 | 0.06 | 37790 | 196 | 4 | 32 | 15590 |
| 99BST-295 | 15.56 | 4.09 | 0.03 | 47510 | 258 | 3 | 37 | 22600 |
| 99BST-296 | 11.05 | 4.53 | 0.08 | 30600 | 511 | 6 | 31 | 12000 |
| 99BST-297 | 13.63 | 3.55 | 0.05 | 27060 | 193 | 4 | 37 | 20930 |
| 99BST-298 | 13.18 | 3.42 | 0.05 | 33750 | 272 | 5 | 27 | 16270 |
| 99BST-300 | 14.41 | 2.73 | 0.03 | 31620 | 413 | 3 | 31 | 12520 |
| 99BST-301 | 14.02 | 3.66 | 0.03 | 34610 | 156 | 3 | 43 | 11120 |
| 99BST-302-1 Field Duplicate | 10.61 | 3.15 | 0.05 | 28930 | 296 | 5 | 29 | 15450 |
| 99BST-302-2 Field Duplicate | 10.75 | 3.11 | 0.06 | 28680 | 295 | 5 | 29 | 15100 |
| 99BST-303 | 14.00 | 4.62 | 0.05 | 32090 | 420 | 5 | 37 | 19340 |
| 99BST-304 | 11.84 | 3.45 | 0.04 | 28620 | 347 | 5 | 27 | 16990 |
| 99BST-305 | 11.47 | 3.34 | 0.05 | 33550 | 286 | 3 | 28 | 10000 |
| 99BST-307 | 14.18 | 4.26 | 0.12 | 50030 | 300 | 3 | 40 | 15890 |
| 99BST-308 | 13.76 | 2.91 | 0.05 | 35330 | 185 | 4 | 29 | 16770 |
| 99BST-309 | 15.42 | 3.90 | 0.03 | 55530 | 158 | 2 | 40 | 13020 |
| 99BST-314-1 Field Duplicate | 13.77 | 4.53 | 0.03 | 33360 | 408 | 3 | 38 | 18940 |
| 99BST-314-2 Field Duplicate | 13.11 | 4.69 | 0.05 | 32480 | 217 | 2 | 23 | 12930 |
| 99BST-315 | 12.23 | 3.47 | 0.05 | 27500 | 299 | 4 | 44 | 18990 |
| 99BST-316 Analytical Duplicate | 14.13 | 3.42 | 0.06 | 22780 | 309 | 6 | 40 | 18440 |
| 99BST-316 Analytical Duplicate | 14.90 | 3.63 | 0.06 | 24480 | 326 | 6 | 39 | 19800 |
| 99BST-317 Analytical Duplicate | 11.56 | 3.68 | 0.03 | 35680 | 106 | 4 | 45 | 18030 |
| 99BST-317 Analytical Duplicate | 11.44 | 3.70 | 0.03 | 36150 | 108 | 4 | 45 | 18400 |
| 99BST-318 | 13.78 | 2.49 | 0.04 | 38350 | 250 | 4 | 36 | 20020 |
| 99BST-319 | 12.69 | 4.27 | 0.04 | 37460 | 322 | 3 | 40 | 21470 |

| Sample Site | K % | Mg % | Na % | P ppm | Sr ppm | V ppm | W ppm | S ppm |
|---|---|---|---|---|---|---|---|---|
| 99BST-320 | 13.65 | 3.85 | 0.03 | 32600 | 391 | 3 | 48 | 15320 |
| 99BST-321 | 12.53 | 3.33 | 0.03 | 32680 | 609 | 4 | 90 | 14790 |
| 99BST-322 | 12.64 | 3.37 | 0.04 | 24950 | 524 | 6 | 31 | 15780 |
| 99BST-323 | 16.41 | 3.74 | 0.04 | 33410 | 302 | 5 | 29 | 14520 |
| 99BST-324 | 11.79 | 3.90 | 0.05 | 25690 | 191 | 4 | 39 | 18440 |
| 99BST-325 | 9.96 | 2.81 | 0.04 | 23890 | 414 | 6 | 55 | 13050 |
| 99BST-326 | 10.96 | 2.98 | 0.06 | 27030 | 250 | 5 | 36 | 11200 |
| 99BST-327 | 13.26 | 5.09 | 0.04 | 38260 | 315 | 5 | 48 | 18740 |
| 99BST-328 | 13.64 | 3.74 | 0.07 | 31390 | 336 | 3 | 27 | 17820 |
| 99BST-329-1 Field Duplicate | 14.15 | 3.79 | 0.05 | 36240 | 241 | 5 | 28 | 21130 |
| 99BST-329-2 Field Duplicate | 13.28 | 4.59 | 0.04 | 27480 | 400 | 7 | 26 | 14800 |
| 99BST-330 Analytical Duplicate | 10.63 | 3.51 | 0.04 | 22480 | 279 | 6 | 42 | 14690 |
| 99BST-330 Analytical Duplicate | 11.65 | 3.82 | 0.04 | 24260 | 302 | 6 | 50 | 15720 |
| 99BST-331 | 12.66 | 3.63 | 0.04 | 31880 | 330 | 4 | 36 | 18480 |
| 99BST-332 | 14.25 | 3.40 | 0.04 | 27420 | 483 | 3 | 30 | 15040 |
| 99BST-333 | 13.31 | 3.87 | 0.05 | 26550 | 270 | 4 | 36 | 17690 |
| 99BST-334 Analytical Duplicate | 15.30 | 3.52 | 0.05 | 30600 | 182 | 4 | 29 | 24610 |
| 99BST-334 Analytical Duplicate | 15.76 | 3.57 | 0.05 | 31410 | 186 | 5 | 29 | 25540 |
| 99BST-335 | 11.81 | 4.27 | 0.07 | 26280 | 193 | 4 | 36 | 21160 |
| 99BST-336 | 13.61 | 3.88 | 0.04 | 33370 | 285 | 6 | 38 | 23130 |
| 99BST-337 | 14.89 | 2.94 | 0.05 | 30310 | 243 | 4 | 35 | 16120 |
| 99BST-338 | 14.94 | 4.27 | 0.03 | 42940 | 304 | 3 | 30 | 22440 |
| 99BST-339 | 14.69 | 3.82 | 0.03 | 37190 | 143 | 3 | 33 | 20250 |
| 99BST-340 | 12.72 | 3.52 | 0.04 | 32470 | 205 | 2 | 36 | 24940 |
| 99BST-341 | 11.78 | 2.71 | 0.05 | 23010 | 398 | 5 | 41 | 18690 |
| 99BST-342 | 13.06 | 4.09 | 0.06 | 32050 | 89 | 4 | 40 | 22260 |
| 99BST-343 | 13.72 | 1.96 | 0.06 | 31870 | 410 | 4 | 43 | 18950 |
| 99BST-344 | 17.58 | 4.37 | 0.05 | 43550 | 125 | 3 | 31 | 32100 |
| 99BST-345 | 9.87 | 2.27 | 0.05 | 18710 | 503 | 5 | 39 | 12880 |
| 99BST-346 | 11.21 | 4.86 | 0.05 | 28470 | 160 | 5 | 45 | 26920 |
| 99BST-347 | 15.17 | 4.04 | 0.04 | 27130 | 351 | 3 | 45 | 24690 |
| 99BST-348 | 12.51 | 4.18 | 0.05 | 33780 | 177 | 4 | 41 | 27390 |
| 99BST-349 | 13.66 | 3.99 | 0.05 | 31420 | 272 | 4 | 39 | 18070 |
| 99BST-350 | 12.32 | 3.17 | 0.04 | 30280 | 211 | 3 | 32 | 18450 |
| 99BST-351 | 12.73 | 3.69 | 0.02 | 38420 | 217 | 2 | 39 | 47510 |

# Duplicate Pair ICP-AES Analyses.

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.8 | 0.60 | 193 | 5570 | 1 | 54 | 1 | 1176 | 0.14 | 5 | 286 | 5 | 20.27 | 4 | 5 | 0.16 |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.8 | 0.51 | 189 | 5321 | 1 | 52 | 4 | 1126 | 0.14 | 5 | 258 | 5 | 19.51 | 5 | 5 | 0.16 |
| 99BST-12 Analytical Duplicate | 384139.45 | 6089907.45 | 1.0 | 0.97 | 99 | 4688 | 1 | 39 | 5 | 866 | 0.19 | 5 | 173 | 5 | 14.82 | 2 | 5 | 0.15 |
| 99BST-12 Analytical Duplicate | 384139.45 | 6089907.45 | 1.6 | 1.01 | 144 | 6730 | 1 | 57 | 7 | 1262 | 0.28 | 5 | 214 | 5 | 22.03 | 3 | 7 | 0.22 |
| 99BST-21-1 Analytical Duplicate | 384823.47 | 6085301.09 | 1.8 | 0.25 | 178 | 6729 | 1 | 101 | 7 | 1542 | 0.19 | 5 | 201 | 5 | 19.98 | 3 | 6 | 0.16 |
| 99BST-21-2 Analytical Duplicate | 384823.47 | 6085301.09 | 1.3 | 1.19 | 261 | 10720 | 1 | 78 | 13 | 1885 | 0.23 | 5 | 151 | 5 | 19.50 | 3 | 7 | 0.25 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.2 | 0.25 | 209 | 5477 | 1 | 63 | 9 | 875 | 0.17 | 11 | 355 | 5 | 19.25 | 8 | 6 | 0.18 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.0 | 0.90 | 204 | 5252 | 1 | 61 | 9 | 847 | 0.16 | 5 | 299 | 5 | 18.93 | 7 | 5 | 0.17 |
| 99BST-41-1 Analytical Duplicate | 391167.56 | 6086589.75 | 0.9 | 0.97 | 180 | 11690 | 1 | 71 | 5 | 1672 | 0.12 | 5 | 208 | 5 | 16.52 | 3 | 5 | 0.15 |
| 99BST-41-2 Analytical Duplicate | 391167.56 | 6086589.75 | 1.6 | 1.26 | 229 | 14570 | 1 | 59 | 9 | 1676 | 0.18 | 5 | 256 | 5 | 19.34 | 3 | 6 | 0.23 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 1.6 | 0.78 | 121 | 6790 | 1 | 33 | 6 | 1067 | 0.14 | 5 | 108 | 5 | 16.46 | 5 | 4 | 0.15 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 1.4 | 1.17 | 116 | 6556 | 1 | 41 | 6 | 1014 | 0.13 | 5 | 91 | 5 | 16.05 | 5 | 4 | 0.14 |
| 99BST-48 Analytical Duplicate | 383904.64 | 6082648.05 | 1.4 | 0.59 | 142 | 8648 | 1 | 56 | 5 | 1485 | 0.10 | 5 | 206 | 5 | 16.37 | 5 | 4 | 0.13 |
| 99BST-48 Analytical Duplicate | 383904.64 | 6082648.05 | 1.5 | 0.93 | 159 | 9496 | 1 | 64 | 7 | 1653 | 0.13 | 5 | 211 | 5 | 17.72 | 5 | 5 | 0.15 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 1.0 | 0.54 | 141 | 6218 | 1 | 20 | 8 | 1273 | 0.12 | 10 | 236 | 5 | 17.14 | 2 | 4 | 0.16 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 1.0 | 0.62 | 143 | 6261 | 1 | 21 | 9 | 1289 | 0.12 | 5 | 203 | 5 | 17.41 | 1 | 5 | 0.17 |
| 99BST-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1.3 | 0.95 | 150 | 8635 | 1 | 279 | 7 | 1350 | 0.29 | 5 | 127 | 5 | 13.28 | 14 | 7 | 0.16 |
| 99BST-70-2 Analytical Duplicate | 377176.25 | 6084802.55 | 1.1 | 1.67 | 159 | 9154 | 1 | 307 | 6 | 1439 | 0.32 | 5 | 94 | 72 | 14.46 | 14 | 7 | 0.17 |
| 99BST-70-2 Analytical Duplicate | 377176.25 | 6084802.55 | 1.1 | 1.57 | 159 | 9790 | 1 | 319 | 4 | 1501 | 0.32 | 5 | 75 | 64 | 15.06 | 14 | 9 | 0.17 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 1.3 | 0.25 | 152 | 5551 | 1 | 23 | 7 | 1392 | 0.12 | 12 | 432 | 5 | 16.01 | 1 | 6 | 0.14 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 1.3 | 0.56 | 148 | 5416 | 1 | 22 | 7 | 1361 | 0.11 | 5 | 451 | 5 | 15.90 | 1 | 5 | 0.14 |
| 99BST-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 1.8 | 2.38 | 166 | 12950 | 1 | 75 | 20 | 1692 | 0.44 | 11 | 208 | 5 | 17.07 | 4 | 9 | 0.53 |
| 99BST-82-1 Analytical Duplicate | 372516.50 | 6088851.06 | 2.1 | 3.79 | 176 | 15450 | 2 | 84 | 26 | 1886 | 0.46 | 5 | 434 | 5 | 18.26 | 5 | 10 | 0.56 |
| 99BST-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1.3 | 2.70 | 157 | 11900 | 3 | 73 | 28 | 2375 | 0.42 | 5 | 191 | 5 | 11.90 | 3 | 10 | 0.50 |
| 99BST-95 Analytical Duplicate | 359548.28 | 6088342.12 | 1.9 | 0.82 | 155 | 8137 | 1 | 48 | 5 | 1219 | 0.17 | 5 | 213 | 5 | 16.18 | 4 | 5 | 0.20 |
| 99BST-95 Analytical Duplicate | 359548.28 | 6088342.12 | 1.7 | 0.86 | 152 | 8039 | 1 | 47 | 5 | 1199 | 0.16 | 5 | 211 | 5 | 15.97 | 4 | 5 | 0.20 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 1.4 | 0.69 | 133 | 3969 | 1 | 74 | 4 | 774 | 0.15 | 12 | 399 | 5 | 16.96 | 2 | 4 | 0.16 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 1.3 | 0.94 | 131 | 3797 | 1 | 49 | 5 | 744 | 0.16 | 5 | 273 | 5 | 16.56 | 2 | 4 | 0.17 |
| 99BST-101-1 Field Duplicate | 364004.46 | 6090265.61 | 1.7 | 0.94 | 156 | 9877 | 1 | 43 | 7 | 1439 | 0.24 | 5 | 150 | 5 | 18.39 | 3 | 6 | 0.22 |
| 99BST-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1.7 | 1.08 | 211 | 11100 | 1 | 114 | 10 | 1680 | 0.31 | 13 | 274 | 5 | 17.92 | 5 | 7 | 0.27 |
| 99BST-106 Analytical Duplicate | 369259.00 | 6087478.80 | 1.6 | 0.71 | 123 | 6278 | 1 | 43 | 9 | 1145 | 0.23 | 5 | 247 | 5 | 19.78 | 3 | 6 | 0.25 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-106 Analytical Duplicate | 369259.00 | 6087478.80 | 1.6 | 1.38 | 115 | 6208 | 1 | 41 | 9 | 1123 | 0.19 | 5 | 348 | 5 | 18.79 | 2 | 5 | 0.22 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 1.4 | 0.58 | 129 | 8963 | 1 | 51 | 5 | 1260 | 0.18 | 10 | 164 | 5 | 18.92 | 2 | 5 | 0.19 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 1.4 | 0.68 | 133 | 9489 | 1 | 53 | 3 | 1320 | 0.17 | 5 | 201 | 5 | 19.36 | 3 | 6 | 0.19 |
| 99BST-124-1 Field Duplicate | 362147.22 | 6090729.66 | 1.4 | 1.06 | 134 | 7985 | 1 | 61 | 3 | 1191 | 0.24 | 5 | 152 | 5 | 14.20 | 6 | 7 | 0.19 |
| 99BST-124-2 Field Duplicate | 362147.22 | 6090729.66 | 1.4 | 1.95 | 115 | 6602 | 1 | 35 | 3 | 1211 | 0.17 | 5 | 177 | 5 | 14.91 | 2 | 6 | 0.19 |
| 99BST-133 Analytical Duplicate | 350961.55 | 6085671.72 | 1.6 | 1.90 | 184 | 7706 | 1 | 75 | 4 | 1669 | 0.13 | 5 | 244 | 5 | 17.86 | 2 | 5 | 0.20 |
| 99BST-133 Analytical Duplicate | 350961.55 | 6085671.72 | 1.6 | 1.84 | 180 | 7523 | 1 | 74 | 2 | 1630 | 0.13 | 5 | 237 | 5 | 17.19 | 2 | 5 | 0.19 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 1.9 | 2.42 | 204 | 7800 | 1 | 43 | 5 | 1033 | 0.24 | 5 | 234 | 5 | 24.28 | 6 | 6 | 0.25 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 1.7 | 1.96 | 185 | 7321 | 1 | 38 | 5 | 958 | 0.22 | 5 | 207 | 5 | 23.08 | 5 | 6 | 0.23 |
| 99BST-141-1 Field Duplicate | 362142.99 | 6084076.48 | 1.7 | 0.76 | 149 | 12370 | 1 | 72 | 3 | 1355 | 0.13 | 5 | 240 | 5 | 18.87 | 5 | 5 | 0.14 |
| 99BST-141-2 Field Duplicate | 362142.99 | 6084076.48 | 1.4 | 0.89 | 190 | 11790 | 1 | 90 | 5 | 1550 | 0.18 | 5 | 178 | 5 | 18.65 | 10 | 7 | 0.15 |
| 99BST-144 Analytical Duplicate | 365789.89 | 6083994.83 | 1.4 | 0.85 | 124 | 5373 | 2 | 49 | 4 | 1350 | 0.18 | 5 | 199 | 5 | 16.74 | 3 | 7 | 0.16 |
| 99BST-144 Analytical Duplicate | 365789.89 | 6083994.83 | 1.2 | 1.07 | 118 | 5188 | 1 | 48 | 2 | 1295 | 0.17 | 5 | 201 | 5 | 16.05 | 3 | 6 | 0.16 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 1.6 | 0.59 | 123 | 5970 | 1 | 24 | 6 | 1880 | 0.13 | 5 | 454 | 5 | 16.90 | 1 | 4 | 0.20 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 1.9 | 1.15 | 125 | 6053 | 1 | 25 | 7 | 1911 | 0.14 | 5 | 592 | 5 | 16.84 | 1 | 4 | 0.21 |
| 99BST-156 Analytical Duplicate | 373995.52 | 6086125.05 | 1.4 | 0.94 | 214 | 9641 | 1 | 43 | 6 | 1596 | 0.11 | 5 | 214 | 5 | 19.27 | 2 | 4 | 0.15 |
| 99BST-156 Analytical Duplicate | 373995.52 | 6086125.05 | 1.6 | 0.99 | 217 | 10210 | 1 | 43 | 6 | 1652 | 0.11 | 13 | 274 | 5 | 19.92 | 2 | 4 | 0.15 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.7 | 0.58 | 168 | 8161 | 1 | 100 | 8 | 1337 | 0.13 | 11 | 326 | 5 | 16.35 | 9 | 4 | 0.15 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.6 | 0.54 | 162 | 7716 | 1 | 95 | 7 | 1281 | 0.13 | 5 | 210 | 5 | 15.71 | 9 | 4 | 0.15 |
| 99BST-219-1 Field Duplicate | 367825.77 | 6068425.98 | 1.7 | 0.60 | 153 | 7215 | 1 | 60 | 8 | 1400 | 0.23 | 5 | 153 | 49 | 17.72 | 4 | 6 | 0.25 |
| 99BST-219-2 Ficld Duplicate | 367825.77 | 6068425.98 | 1.4 | 0.86 | 209 | 7184 | 1 | 91 | 11 | 1738 | 0.27 | 5 | 154 | 61 | 17.50 | 3 | 8 | 0.22 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.1 | 0.25 | 95 | 5073 | 2 | 35 | 9 | 946 | 0.23 | 5 | 188 | 71 | 16.86 | 3 | 6 | 0.28 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.1 | 0.25 | 100 | 5334 | 2 | 37 | 8 | 995 | 0.24 | 5 | 202 | 74 | 17.79 | 3 | 6 | 0.29 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.4 | 0.96 | 181 | 4802 | 3 | 43 | 10 | 1354 | 0.20 | 5 | 199 | 54 | 15.72 | 4 | 6 | 0.30 |
| 99BST-243 Analytical Duplicate | 373883.08 | 6066058.33 | 1.6 | 0.25 | 177 | 4543 | 1 | 29 | 1 | 1000 | 0.07 | 5 | 301 | 39 | 16.27 | 4 | 4 | 0.10 |
| 99BST-243 Analytical Duplicate | 373883.08 | 6066058.33 | 1.4 | 0.59 | 179 | 4648 | 2 | 30 | 2 | 1023 | 0.08 | 5 | 294 | 44 | 16.62 | 4 | 4 | 0.10 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 1.6 | 0.53 | 152 | 6319 | 1 | 98 | 5 | 954 | 0.14 | 5 | 328 | 14 | 23.59 | 9 | 4 | 0.13 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 1.8 | 0.93 | 153 | 6248 | 1 | 99 | 4 | 957 | 0.15 | 12 | 257 | 22 | 23.89 | 9 | 4 | 0.14 |
| 99BST-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1.3 | 0.98 | 173 | 3603 | 1 | 15 | 6 | 1085 | 0.10 | 5 | 196 | 52 | 15.13 | 2 | 4 | 0.18 |
| 99BST-248-2 Field Duplicate | 363998.87 | 6080166.06 | 1.7 | 0.25 | 258 | 3839 | 2 | 13 | 6 | 1618 | 0.07 | 5 | 234 | 61 | 15.88 | 2 | 4 | 0.15 |
| 99BST-255 Analytical Duplicate | 369082.74 | 6074188.19 | 1.4 | 0.25 | 239 | 6113 | 1 | 144 | 11 | 1230 | 0.19 | 5 | 238 | 75 | 14.04 | 8 | 6 | 0.19 |
| 99BST-255 Analytical Duplicate | 369082.74 | 6074188.19 | 1.5 | 0.82 | 254 | 6859 | 1 | 161 | 11 | 1356 | 0.20 | 5 | 342 | 42 | 16.14 | 8 | 7 | 0.19 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 1.6 | 0.63 | 160 | 4476 | 1 | 19 | 3 | 1205 | 0.08 | 12 | 245 | 5 | 19.29 | 2 | 4 | 0.12 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 1.6 | 0.67 | 184 | 5241 | 2 | 22 | 3 | 1413 | 0.09 | 5 | 409 | 5 | 22.38 | 1 | 4 | 0.14 |
| 99BST-267 Analytical Duplicate | 377020.28 | 6069882.33 | 1.6 | 1.60 | 144 | 11410 | 1 | 50 | 6 | 1395 | 0.12 | 5 | 234 | 27 | 15.16 | 4 | 6 | 0.17 |

| Sample Site | UTM | | Ag | Cd | Cu | Mn | Mo | Ni | Pb | Zn | Al | As | Ba | Bi | Ca | Co | Cr | Fe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | ppm | % |
| 99BST-267 Analytical Duplicate | 377020.28 | 6069882.33 | 1.7 | 0.81 | 141 | 11280 | 1 | 48 | 7 | 1373 | 0.12 | 5 | 210 | 26 | 15.31 | 4 | 5 | 0.16 |
| 99BST-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1.3 | 1.18 | 142 | 5311 | 1 | 37 | 11 | 1119 | 0.17 | 5 | 297 | 101 | 19.83 | 2 | 5 | 0.23 |
| 99BST-276-2 Field Duplicate | 385148.66 | 6077248.38 | 1.9 | 1.19 | 158 | 4572 | 1 | 40 | 14 | 1404 | 0.20 | 11 | 299 | 5 | 24.20 | 2 | 5 | 0.27 |
| 99BST-279 Field Duplicate | 376310.70 | 6077007.87 | 1.7 | 0.91 | 109 | 5097 | 3 | 19 | 11 | 2280 | 0.21 | 13 | 170 | 31 | 21.97 | 2 | 6 | 0.28 |
| 99BST-279 Field Duplicate | 376310.70 | 6077007.87 | 1.5 | 0.25 | 108 | 4917 | 1 | 18 | 9 | 2223 | 0.21 | 5 | 164 | 49 | 21.68 | 2 | 6 | 0.27 |
| 99BST-282-1 Field Duplicate | 382727.20 | 6079909.30 | 1.8 | 1.01 | 164 | 7867 | 1 | 34 | 11 | 1886 | 0.28 | 5 | 182 | 47 | 20.73 | 1 | 7 | 0.35 |
| 99BST-282-2 Field Duplicate | 382727.20 | 6079909.30 | 1.2 | 1.00 | 177 | 11860 | 1 | 111 | 6 | 1399 | 0.29 | 5 | 117 | 82 | 17.19 | 5 | 8 | 0.22 |
| 99BST-289 Analytical Duplicate | 384447.42 | 6070035.32 | 1.4 | 0.64 | 121 | 8424 | 1 | 33 | 7 | 1817 | 0.16 | 5 | 158 | 41 | 18.29 | 2 | 5 | 0.21 |
| 99BST-289 Analytical Duplicate | 384447.42 | 6070035.32 | 1.3 | 2.10 | 132 | 10700 | 1 | 38 | 3 | 2131 | 0.19 | 16 | 761 | 5 | 20.35 | 2 | 6 | 0.23 |
| 99BST-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1.4 | 0.91 | 125 | 6115 | 1 | 60 | 10 | 1262 | 0.16 | 5 | 155 | 52 | 16.91 | 2 | 5 | 0.23 |
| 99BST-292-2 Field Duplicate | 372658.22 | 6079359.51 | 1.5 | 1.10 | 162 | 8909 | 1 | 108 | 8 | 1561 | 0.15 | 5 | 142 | 55 | 19.66 | 6 | 5 | 0.18 |
| 99BST-302-1 Field Duplicate | 381825.16 | 6080640.92 | 1.3 | 1.23 | 106 | 5575 | 1 | 46 | 8 | 1192 | 0.16 | 5 | 134 | 36 | 22.98 | 1 | 5 | 0.23 |
| 99BST-302-2 Field Duplicate | 381825.16 | 6080640.92 | 1.5 | 0.99 | 104 | 5560 | 1 | 46 | 10 | 1181 | 0.15 | 5 | 154 | 28 | 22.85 | 1 | 6 | 0.23 |
| 99BST-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1.8 | 0.59 | 161 | 9007 | 1 | 144 | 5 | 1478 | 0.20 | 5 | 123 | 89 | 17.10 | 6 | 6 | 0.15 |
| 99BST-314-2 Field Duplicate | 380441.27 | 6077362.52 | 1.6 | 0.76 | 149 | 8265 | 2 | 98 | 1 | 918 | 0.19 | 5 | 151 | 93 | 17.50 | 6 | 6 | 0.12 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 1.6 | 1.21 | 118 | 7828 | 2 | 39 | 8 | 1563 | 0.20 | 5 | 186 | 29 | 18.72 | 1 | 6 | 0.27 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 1.7 | 1.17 | 127 | 8351 | 2 | 42 | 10 | 1653 | 0.21 | 15 | 211 | 28 | 19.77 | 1 | 6 | 0.28 |
| 99BST-317 Analytical Duplicate | 378975.05 | 6075002.82 | 1.4 | 0.75 | 142 | 6715 | 1 | 62 | 8 | 1669 | 0.16 | 5 | 222 | 56 | 17.95 | 2 | 5 | 0.21 |
| 99BST-317 Analytical Duplicate | 378975.05 | 6075002.82 | 1.4 | 0.86 | 146 | 6785 | 1 | 60 | 7 | 1712 | 0.16 | 5 | 252 | 54 | 18.18 | 2 | 5 | 0.21 |
| 99BST-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1.4 | 1.12 | 157 | 7221 | 1 | 69 | 9 | 1257 | 0.27 | 5 | 160 | 64 | 16.49 | 6 | 7 | 0.26 |
| 99BST-329-2 Field Duplicate | 373524.62 | 6072776.30 | 1.4 | 1.29 | 135 | 8083 | 2 | 67 | 12 | 1098 | 0.32 | 5 | 201 | 92 | 16.05 | 5 | 7 | 0.32 |
| 99BST-330 Analytical Duplicate | 373090.65 | 6073609.38 | 1.8 | 1.23 | 125 | 6156 | 2 | 28 | 8 | 1660 | 0.25 | 5 | 213 | 54 | 18.66 | 1 | 7 | 0.29 |
| 99BST-330 Analytical Duplicate | 373090.65 | 6073609.38 | 1.9 | 1.14 | 130 | 6730 | 1 | 30 | 9 | 1822 | 0.23 | 5 | 266 | 44 | 20.06 | 1 | 6 | 0.29 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 1.6 | 0.55 | 135 | 7074 | 1 | 22 | 3 | 1234 | 0.20 | 5 | 188 | 40 | 18.40 | 3 | 7 | 0.21 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 1.7 | 0.25 | 135 | 7230 | 1 | 23 | 1 | 1247 | 0.20 | 5 | 211 | 28 | 18.68 | 3 | 6 | 0.21 |

| Sample Site | K % | Mg % | Na % | P ppm | Sr ppm | V ppm | W ppm | S ppm |
|---|---|---|---|---|---|---|---|---|
| 99BST-7 Analytical Duplicate | 14.53 | 4.30 | 0.17 | 29040 | 557 | 4 | 33 | 10820 |
| 99BST-7 Analytical Duplicate | 13.87 | 4.14 | 0.15 | 27890 | 539 | 3 | 29 | 10300 |
| | | | | | | | | |
| 99BST-12 Analytical Duplicate | 7.48 | 2.62 | 0.05 | 16150 | 188 | 3 | 26 | 10380 |
| 99BST-12 Analytical Duplicate | 10.74 | 3.86 | 0.08 | 22910 | 278 | 5 | 35 | 14440 |
| | | | | | | | | |
| 99BST-21-1 Analytical Duplicate | 12.19 | 4.11 | 0.05 | 33980 | 196 | 3 | 45 | 12250 |
| 99BST-21-2 Analytical Duplicate | 11.05 | 3.79 | 0.06 | 31570 | 235 | 5 | 54 | 24140 |
| | | | | | | | | |
| 99BST-24 Analytical Duplicate | 14.37 | 4.45 | 0.08 | 27920 | 329 | 4 | 23 | 17870 |
| 99BST-24 Analytical Duplicate | 13.88 | 4.33 | 0.08 | 27200 | 323 | 4 | 21 | 17420 |
| | | | | | | | | |
| 99BST-41-1 Analytical Duplicate | 15.14 | 3.38 | 0.06 | 35650 | 111 | 3 | 49 | 25950 |
| 99BST-41-2 Analytical Duplicate | 12.40 | 2.99 | 0.07 | 29480 | 96 | 4 | 46 | 18950 |
| | | | | | | | | |
| 99BST-42 Analytical Duplicate | 16.74 | 3.94 | 0.06 | 35120 | 549 | 3 | 25 | 24990 |
| 99BST-42 Analytical Duplicate | 16.08 | 3.84 | 0.05 | 33680 | 540 | 3 | 28 | 23960 |
| | | | | | | | | |
| 99BST-48 Analytical Duplicate | 13.66 | 4.21 | 0.04 | 31930 | 179 | 2 | 45 | 24710 |
| 99BST-48 Analytical Duplicate | 15.11 | 4.70 | 0.05 | 36180 | 191 | 3 | 45 | 25430 |
| | | | | | | | | |
| 99BST-65 Analytical Duplicate | 13.28 | 4.35 | 0.08 | 35890 | 252 | 3 | 34 | 10720 |
| 99BST-65 Analytical Duplicate | 13.78 | 4.40 | 0.08 | 35880 | 256 | 3 | 36 | 11540 |
| | | | | | | | | |
| 99BST-70-1 Field Duplicate | 12.82 | 4.85 | 0.09 | 29290 | 234 | 3 | 38 | 15680 |
| 99BST-70-2 Analytical Duplicate | 14.16 | 4.84 | 0.20 | 33020 | 225 | 4 | 40 | 18400 |
| 99BST-70-2 Analytical Duplicate | 14.87 | 5.07 | 0.22 | 34260 | 237 | 4 | 41 | 18850 |
| | | | | | | | | |
| 99BST-75 Analytical Duplicate | 16.70 | 4.44 | 0.06 | 45680 | 150 | 3 | 43 | 14570 |
| 99BST-75 Analytical Duplicate | 16.14 | 4.38 | 0.05 | 44680 | 148 | 3 | 36 | 14410 |
| | | | | | | | | |
| 99BST-82-1 Analytical Duplicate | 11.61 | 2.91 | 0.17 | 18920 | 213 | 11 | 49 | 10340 |
| 99BST-82-1 Analytical Duplicate | 13.04 | 3.20 | 0.19 | 21380 | 235 | 12 | 54 | 11720 |
| 99BST-82-2 Field Duplicate | 13.49 | 4.44 | 0.08 | 26400 | 141 | 10 | 74 | 17380 |
| | | | | | | | | |
| 99BST-95 Analytical Duplicate | 12.61 | 4.25 | 0.05 | 25630 | 153 | 4 | 32 | 11870 |
| 99BST-95 Analytical Duplicate | 12.42 | 4.14 | 0.05 | 25180 | 152 | 4 | 33 | 12270 |
| | | | | | | | | |
| 99BST-98 Analytical Duplicate | 11.91 | 2.99 | 0.03 | 22820 | 251 | 3 | 22 | 12850 |
| 99BST-98 Analytical Duplicate | 11.49 | 2.91 | 0.04 | 21740 | 242 | 3 | 18 | 11980 |
| | | | | | | | | |
| 99BST-101-1 Field Duplicate | 10.56 | 2.96 | 0.05 | 27160 | 198 | 5 | 37 | 9860 |
| 99BST-101-2 Field Duplicate | 12.60 | 4.05 | 0.06 | 33340 | 186 | 5 | 45 | 7800 |
| | | | | | | | | |
| 99BST-106 Analytical Duplicate | 11.32 | 2.88 | 0.05 | 19710 | 300 | 5 | 33 | 14940 |

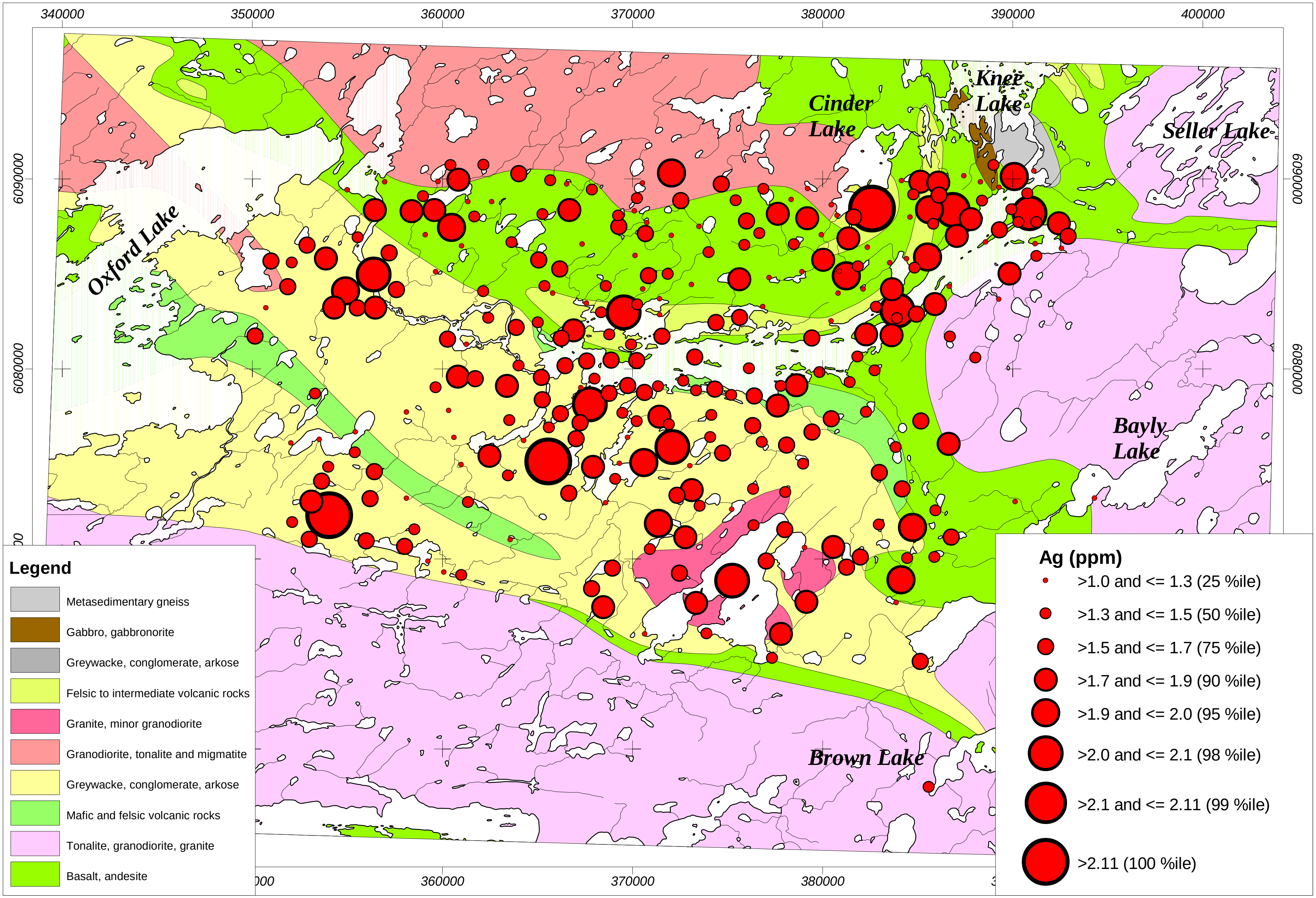
| Sample Site | K % | Mg % | Na % | P ppm | Sr ppm | V ppm | W ppm | S ppm |
|---|---|---|---|---|---|---|---|---|
| 99BST-106 Analytical Duplicate | 11.19 | 2.79 | 0.05 | 19320 | 289 | 4 | 26 | 15080 |
| | | | | | | | | |
| 99BST-109 Analytical Duplicate | 11.59 | 4.49 | 0.06 | 28450 | 267 | 4 | 31 | 18140 |
| 99BST-109 Analytical Duplicate | 12.14 | 4.69 | 0.07 | 29730 | 276 | 4 | 31 | 18780 |
| | | | | | | | | |
| 99BST-124-1 Field Duplicate | 11.19 | 3.90 | 0.05 | 28690 | 153 | 3 | 35 | 9975 |
| 99BST-124-2 Field Duplicate | 12.85 | 2.91 | 0.05 | 30760 | 226 | 3 | 33 | 8796 |
| | | | | | | | | |
| 99BST-133 Analytical Duplicate | 14.99 | 3.83 | 0.04 | 39770 | 189 | 3 | 49 | 17640 |
| 99BST-133 Analytical Duplicate | 14.05 | 3.75 | 0.05 | 38820 | 183 | 3 | 47 | 16290 |
| | | | | | | | | |
| 99BST-134 Analytical Duplicate | 10.87 | 3.26 | 0.05 | 28130 | 226 | 5 | 28 | 12700 |
| 99BST-134 Analytical Duplicate | 10.20 | 3.06 | 0.05 | 25400 | 214 | 4 | 23 | 10690 |
| | | | | | | | | |
| 99BST-141-1 Field Duplicate | 13.59 | 3.08 | 0.03 | 34030 | 255 | 3 | 39 | 12090 |
| 99BST-141-2 Field Duplicate | 11.93 | 3.05 | 0.03 | 36860 | 254 | 3 | 46 | 16670 |
| | | | | | | | | |
| 99BST-144 Analytical Duplicate | 14.17 | 4.70 | 0.04 | 36180 | 517 | 3 | 38 | 17080 |
| 99BST-144 Analytical Duplicate | 13.63 | 4.53 | 0.04 | 34710 | 498 | 3 | 37 | 16440 |
| | | | | | | | | |
| 99BST-151 Analytical Duplicate | 13.27 | 2.82 | 0.03 | 21020 | 236 | 4 | 53 | 11570 |
| 99BST-151 Analytical Duplicate | 13.53 | 2.85 | 0.03 | 21560 | 238 | 4 | 53 | 11910 |
| | | | | | | | | |
| 99BST-156 Analytical Duplicate | 11.23 | 4.06 | 0.03 | 28890 | 151 | 3 | 44 | 16650 |
| 99BST-156 Analytical Duplicate | 11.76 | 4.20 | 0.03 | 30050 | 157 | 3 | 46 | 17130 |
| | | | | | | | | |
| 99BST-212 Analytical Duplicate | 12.39 | 3.65 | 0.10 | 37040 | 277 | 3 | 35 | 15350 |
| 99BST-212 Analytical Duplicate | 11.74 | 3.54 | 0.09 | 35770 | 259 | 3 | 34 | 14800 |
| | | | | | | | | |
| 99BST-219-1 Field Duplicate | 12.92 | 3.59 | 0.05 | 31650 | 320 | 5 | 37 | 12890 |
| 99BST-219-2 Ficld Duplicate | 14.22 | 3.91 | 0.10 | 28890 | 290 | 4 | 48 | 15300 |
| | | | | | | | | |
| 99BST-230 Analytical Duplicate | 12.07 | 4.13 | 0.14 | 27700 | 324 | 6 | 25 | 16750 |
| 99BST-230 Analytical Duplicate | 12.55 | 4.33 | 0.15 | 28750 | 338 | 6 | 26 | 19660 |
| 99BST-230 Analytical Duplicate | 14.79 | 3.71 | 0.22 | 43670 | 274 | 5 | 33 | 21850 |
| | | | | | | | | |
| 99BST-243 Analytical Duplicate | 15.94 | 3.24 | 0.04 | 39190 | 325 | 2 | 24 | 11330 |
| 99BST-243 Analytical Duplicate | 16.12 | 3.31 | 0.04 | 39750 | 331 | 2 | 27 | 11590 |
| | | | | | | | | |
| 99BST-247 Analytical Duplicate | 11.78 | 2.90 | 0.03 | 23290 | 299 | 3 | 23 | 11640 |
| 99BST-247 Analytical Duplicate | 11.91 | 2.92 | 0.03 | 22920 | 300 | 2 | 25 | 11020 |
| | | | | | | | | |
| 99BST-248-1 Field Duplicate | 17.15 | 3.56 | 0.07 | 30660 | 908 | 3 | 26 | 16490 |
| 99BST-248-2 Field Duplicate | 15.21 | 3.94 | 0.05 | 40630 | 619 | 2 | 43 | 12220 |
| | | | | | | | | |
| 99BST-255 Analytical Duplicate | 17.43 | 4.19 | 0.09 | 40780 | 244 | 3 | 32 | 15840 |
| 99BST-255 Analytical Duplicate | 19.87 | 4.55 | 0.10 | 46170 | 271 | 3 | 33 | 25510 |
| | | | | | | | | |
| 99BST-263 Analytical Duplicate | 14.94 | 2.90 | 0.04 | 31240 | 431 | 3 | 32 | 12900 |
| 99BST-263 Analytical Duplicate | 17.44 | 3.37 | 0.05 | 36460 | 507 | 3 | 39 | 15100 |
| | | | | | | | | |
| 99BST-267 Analytical Duplicate | 17.39 | 2.84 | 0.04 | 41360 | 234 | 3 | 39 | 10820 |

| Sample Site | K % | Mg % | Na % | P ppm | Sr ppm | V ppm | W ppm | S ppm |
|---|---|---|---|---|---|---|---|---|
| 99BST-267 Analytical Duplicate | 17.04 | 2.78 | 0.04 | 39870 | 232 | 3 | 35 | 12770 |
| 99BST-276-1 Field Duplicate | 10.35 | 5.03 | 0.06 | 23320 | 290 | 5 | 30 | 4701 |
| 99BST-276-2 Field Duplicate | 9.76 | 2.12 | 0.06 | 19890 | 311 | 6 | 36 | 6075 |
| 99BST-279 Field Duplicate | 12.47 | 3.97 | 0.08 | 32010 | 465 | 6 | 59 | 18080 |
| 99BST-279 Field Duplicate | 12.10 | 3.89 | 0.07 | 31240 | 454 | 6 | 57 | 17440 |
| 99BST-282-1 Field Duplicate | 13.32 | 3.49 | 0.07 | 26190 | 256 | 8 | 53 | 12700 |
| 99BST-282-2 Field Duplicate | 14.46 | 4.44 | 0.07 | 30690 | 183 | 5 | 35 | 24180 |
| 99BST-289 Analytical Duplicate | 14.37 | 3.24 | 0.06 | 27570 | 154 | 4 | 49 | 18670 |
| 99BST-289 Analytical Duplicate | 16.89 | 3.70 | 0.11 | 32470 | 177 | 5 | 54 | 21110 |
| 99BST-292-1 Field Duplicate | 15.30 | 3.57 | 0.06 | 39310 | 233 | 5 | 32 | 19450 |
| 99BST-292-2 Field Duplicate | 13.71 | 3.70 | 0.05 | 38970 | 228 | 4 | 40 | 18780 |
| 99BST-302-1 Field Duplicate | 10.61 | 3.15 | 0.05 | 28930 | 296 | 5 | 29 | 15450 |
| 99BST-302-2 Field Duplicate | 10.75 | 3.11 | 0.06 | 28680 | 295 | 5 | 29 | 15100 |
| 99BST-314-1 Field Duplicate | 13.77 | 4.53 | 0.03 | 33360 | 408 | 3 | 38 | 18940 |
| 99BST-314-2 Field Duplicate | 13.11 | 4.69 | 0.05 | 32480 | 217 | 2 | 23 | 12930 |
| 99BST-316 Analytical Duplicate | 14.13 | 3.42 | 0.06 | 22780 | 309 | 6 | 40 | 18440 |
| 99BST-316 Analytical Duplicate | 14.90 | 3.63 | 0.06 | 24480 | 326 | 6 | 39 | 19800 |
| 99BST-317 Analytical Duplicate | 11.56 | 3.68 | 0.03 | 35680 | 106 | 4 | 45 | 18030 |
| 99BST-317 Analytical Duplicate | 11.44 | 3.70 | 0.03 | 36150 | 108 | 4 | 45 | 18400 |
| 99BST-329-1 Field Duplicate | 14.15 | 3.79 | 0.05 | 36240 | 241 | 5 | 28 | 21130 |
| 99BST-329-2 Field Duplicate | 13.28 | 4.59 | 0.04 | 27480 | 400 | 7 | 26 | 14800 |
| 99BST-330 Analytical Duplicate | 10.63 | 3.51 | 0.04 | 22480 | 279 | 6 | 42 | 14690 |
| 99BST-330 Analytical Duplicate | 11.65 | 3.82 | 0.04 | 24260 | 302 | 6 | 50 | 15720 |
| 99BST-334 Analytical Duplicate | 15.30 | 3.52 | 0.05 | 30600 | 182 | 4 | 29 | 24610 |
| 99BST-334 Analytical Duplicate | 15.76 | 3.57 | 0.05 | 31410 | 186 | 5 | 29 | 25540 |

Appendix V-3: ICP-AES Percentile Bubble Plots.


| | | | | |
|---|---|---|---|---|
| Ag | Cd | Cu | Mn | Mo |
| Ni | Pb | Zn | Al | As |
| Ba | Bi | Ca | Co | Cr |
| Fe | K | Mg | Na | P |
| Sr | V | W | S | |

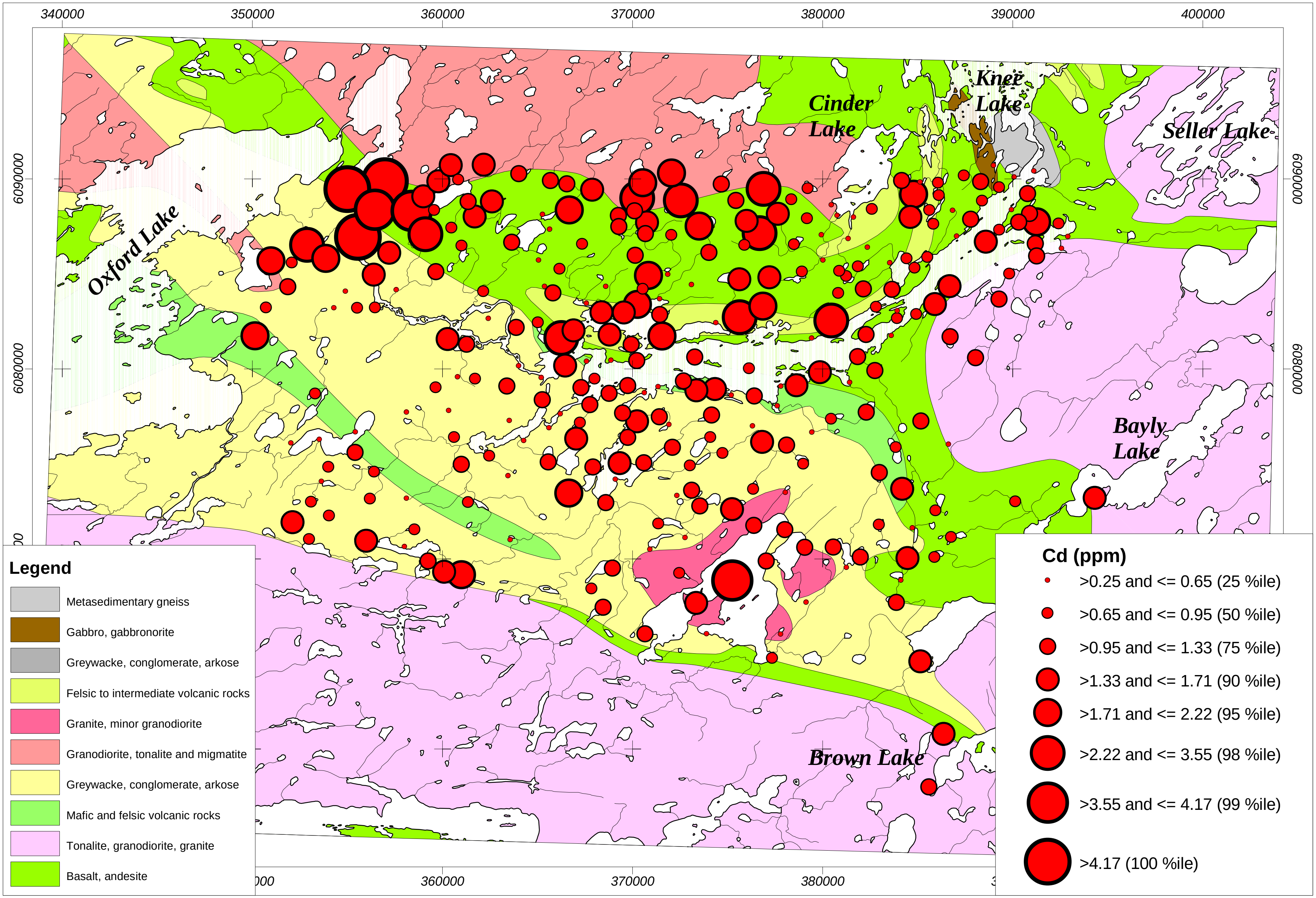
CONTENTS




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

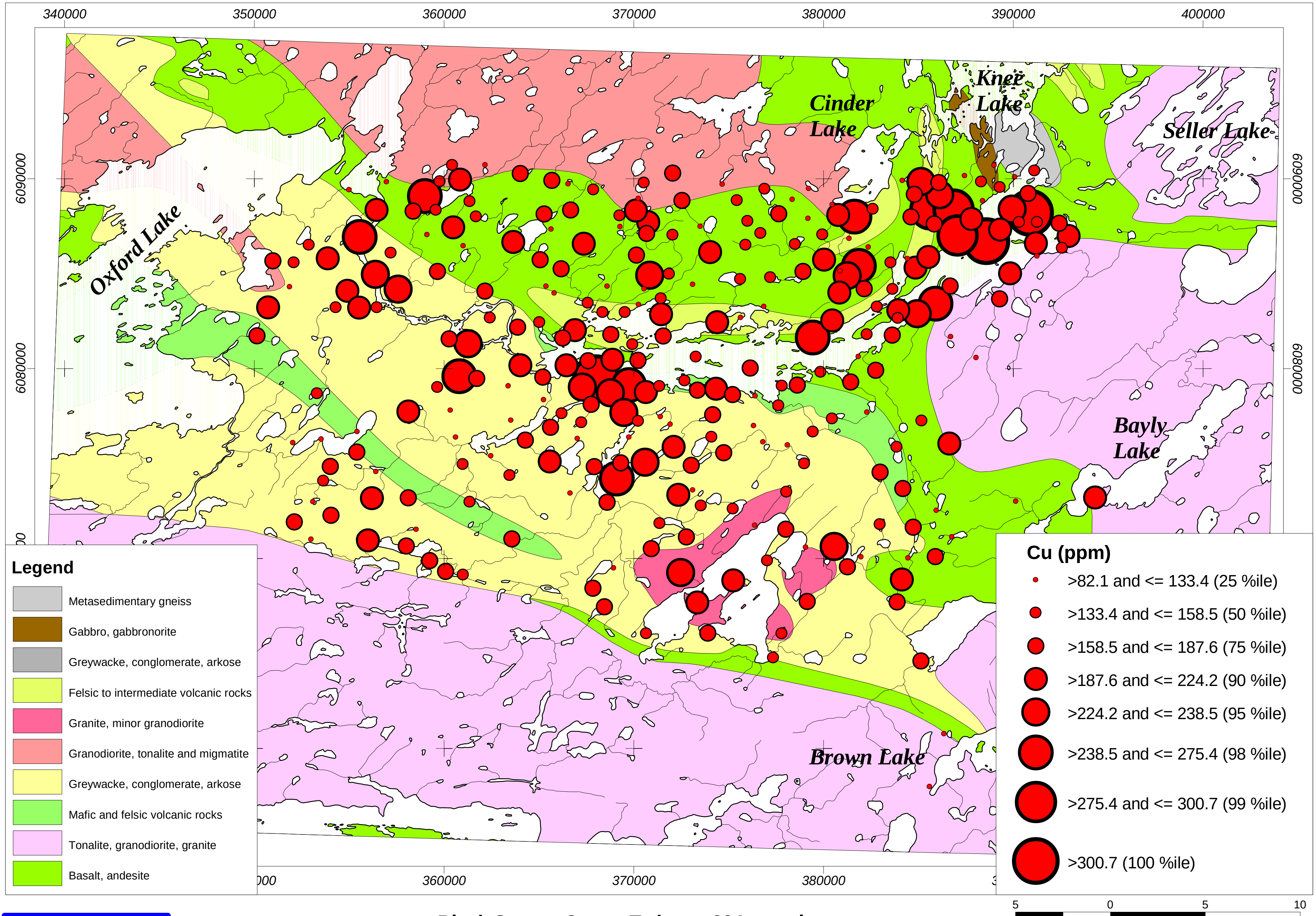
Appendix V-3-1




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

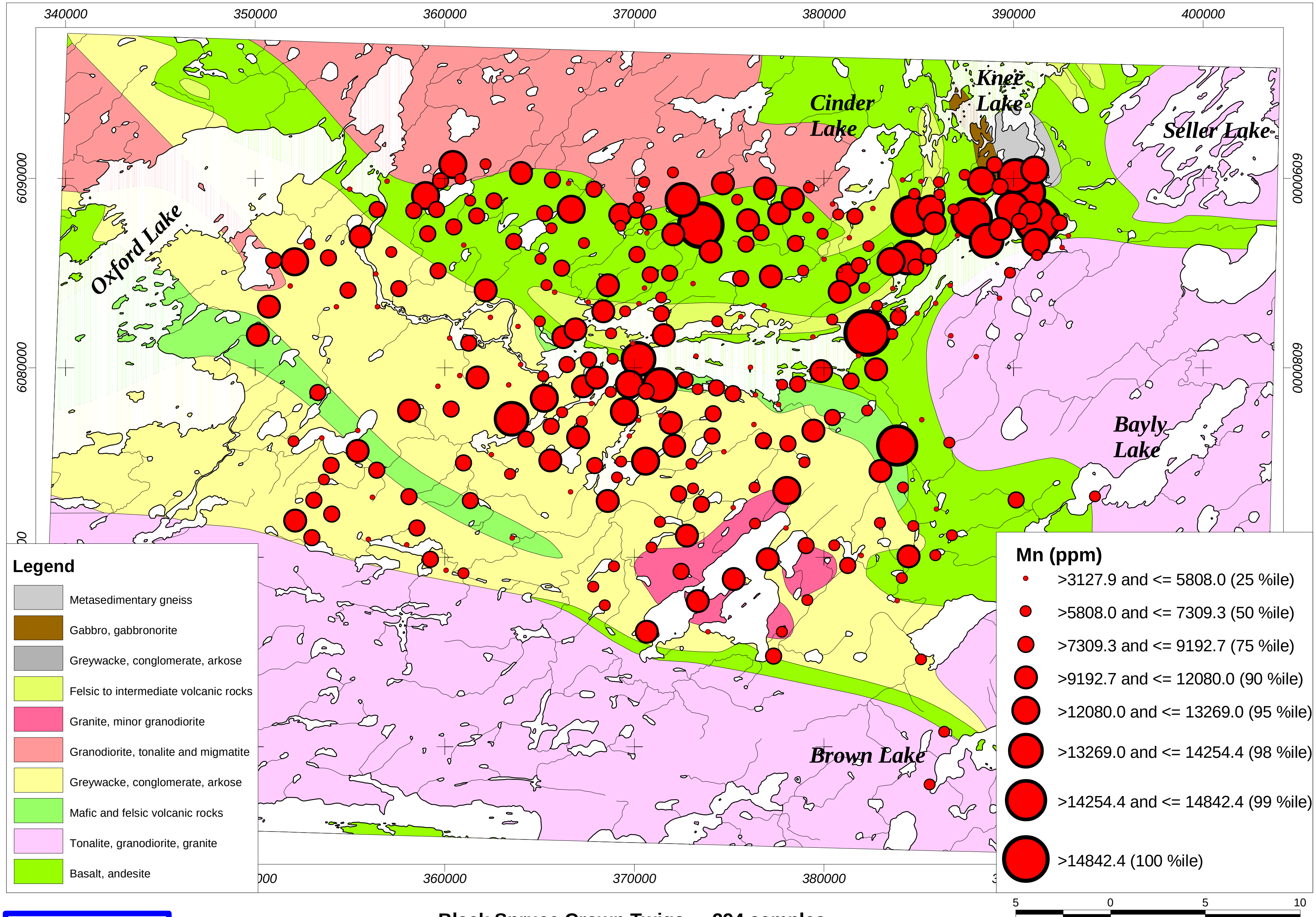
Appendix V-3-2




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

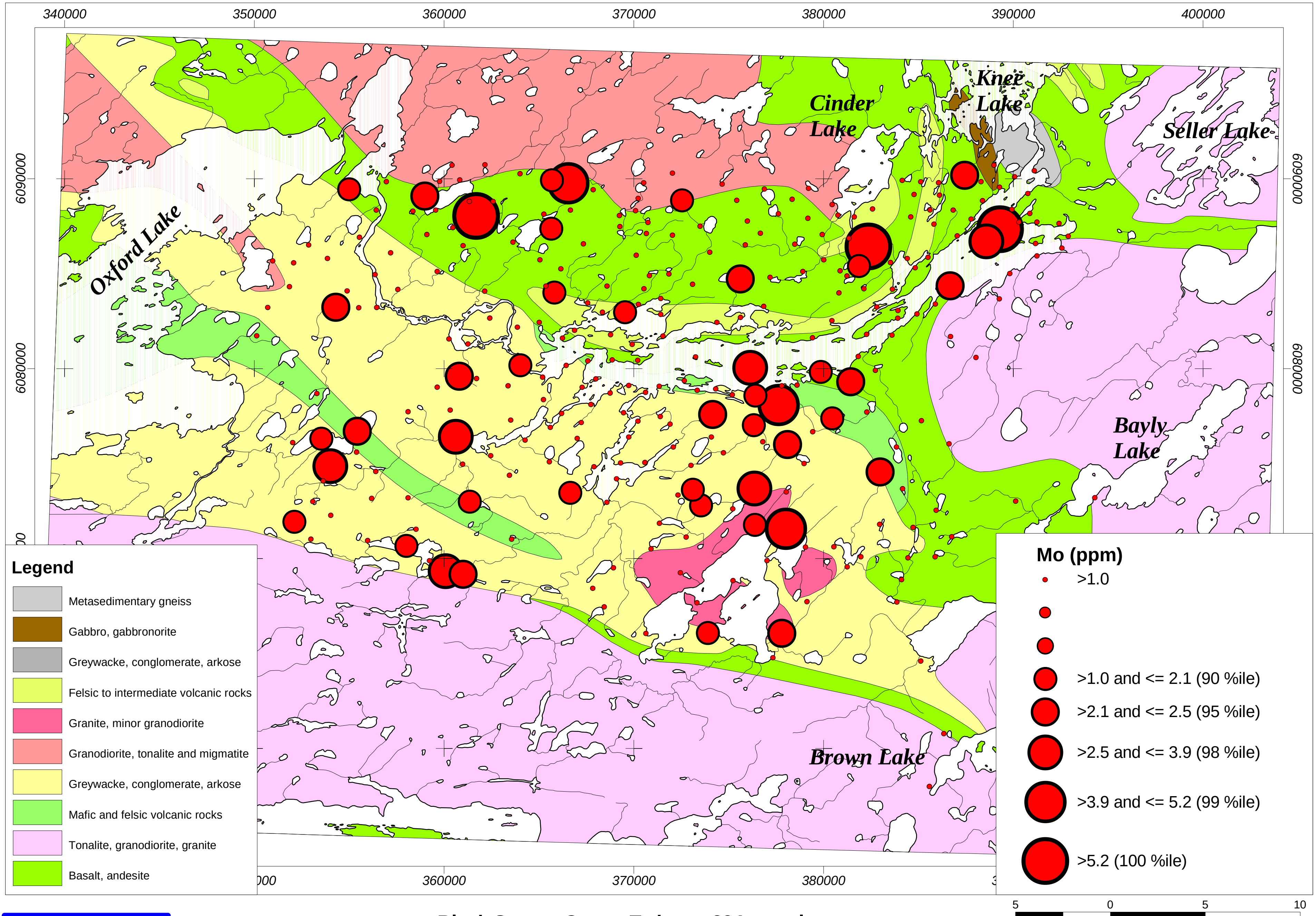
Appendix V-3-3




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

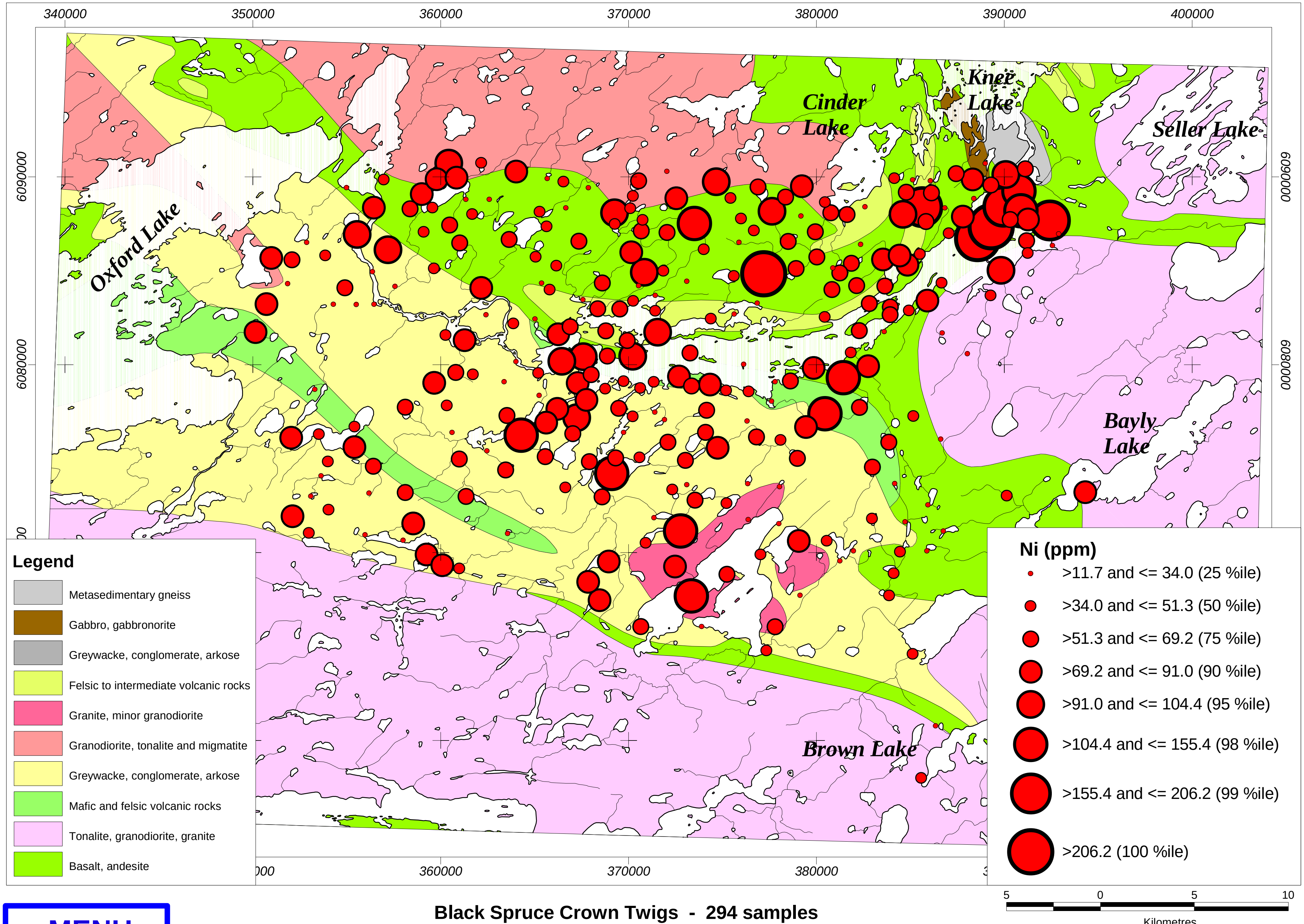
Appendix V-3-4




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

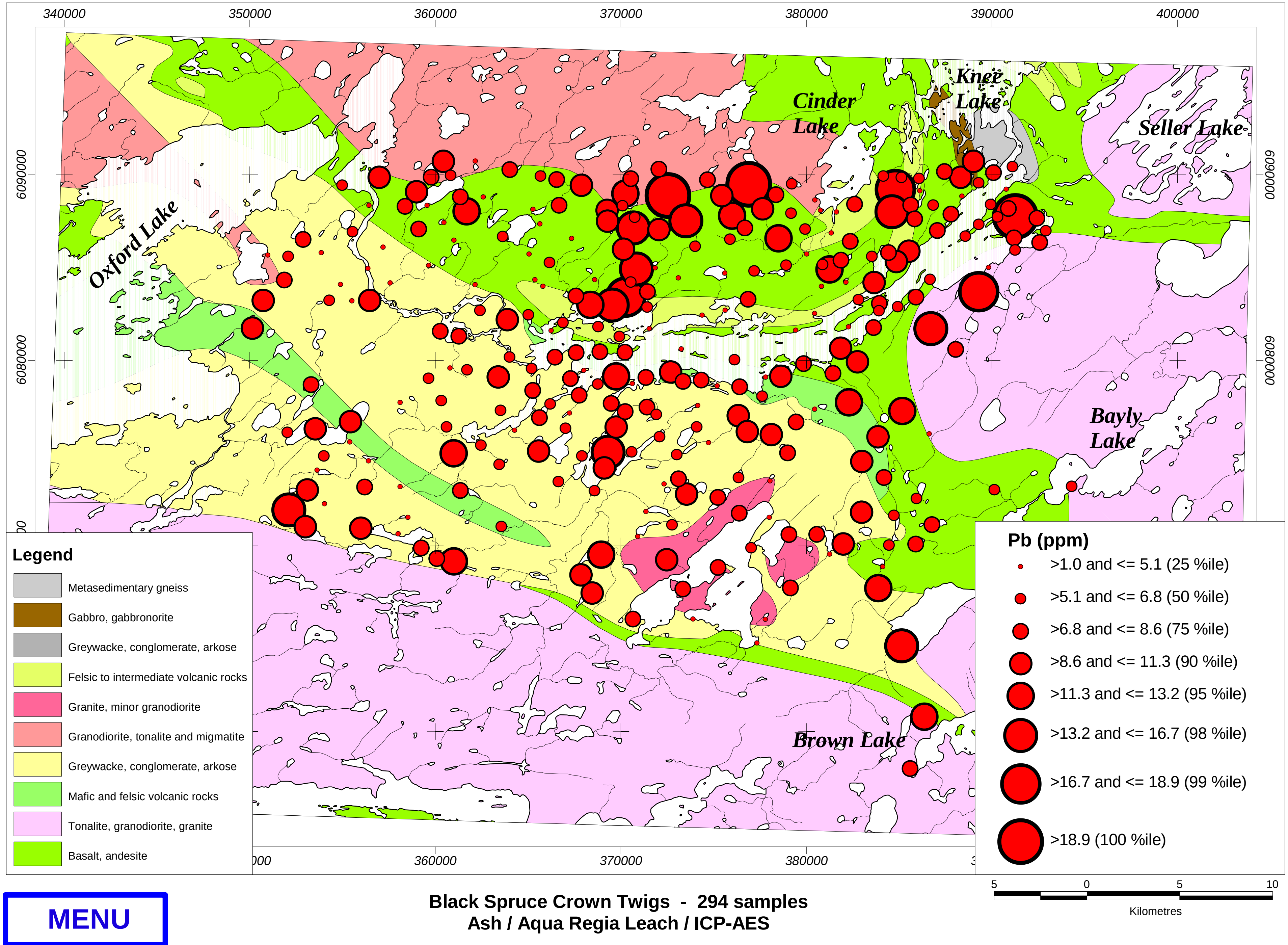
Appendix V-3-5




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

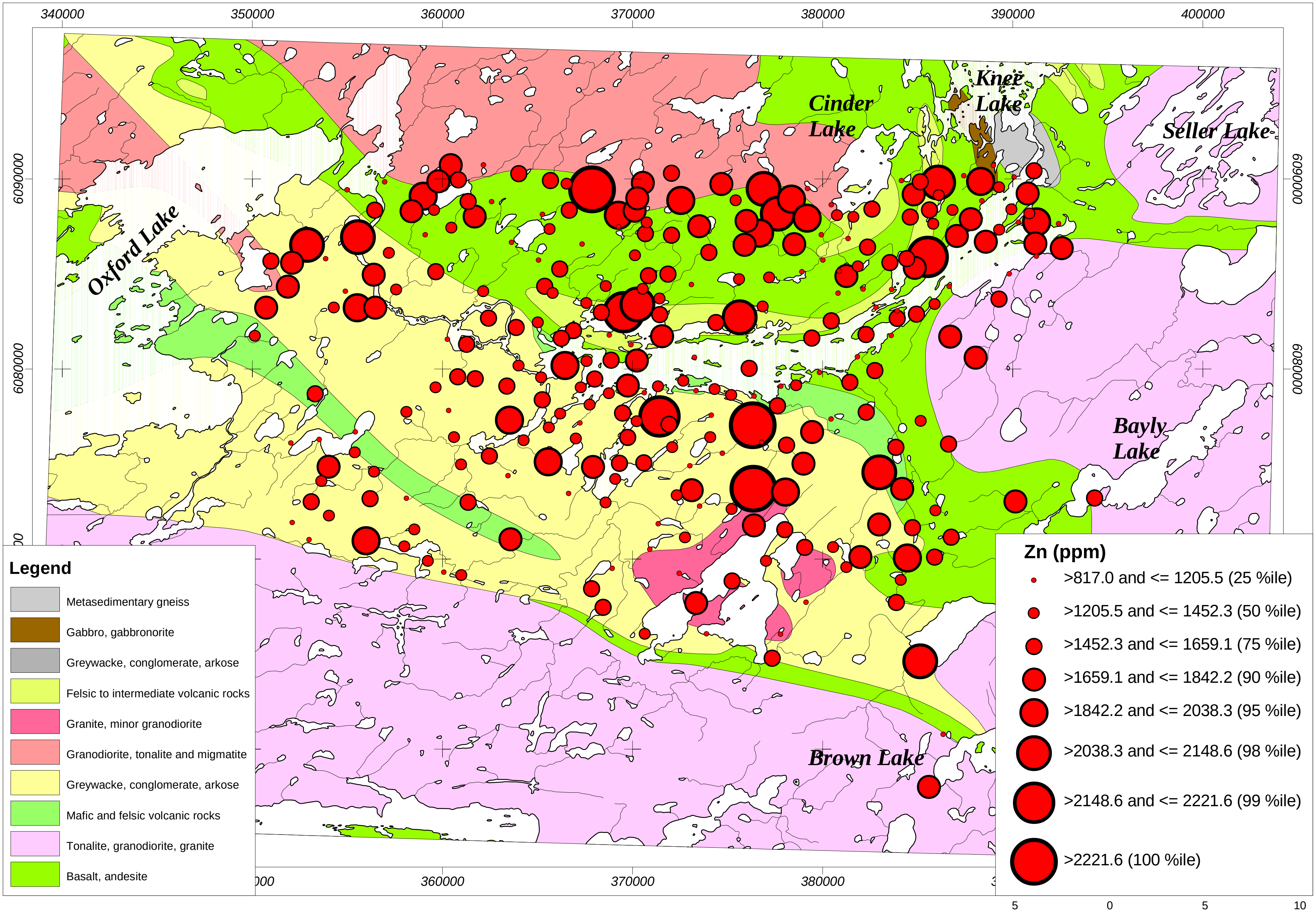
Appendix V-3-6




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

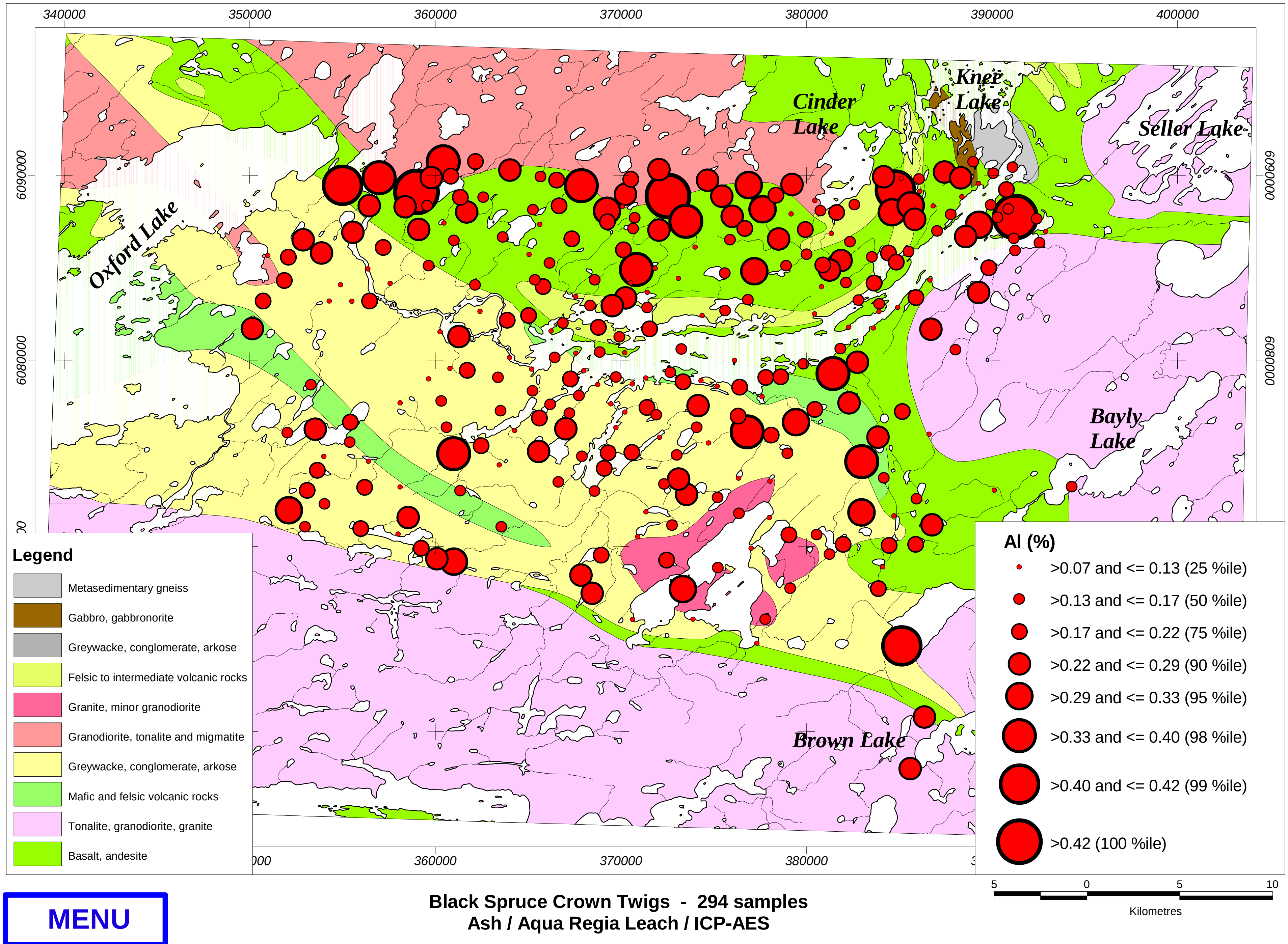
Appendix V-3-7



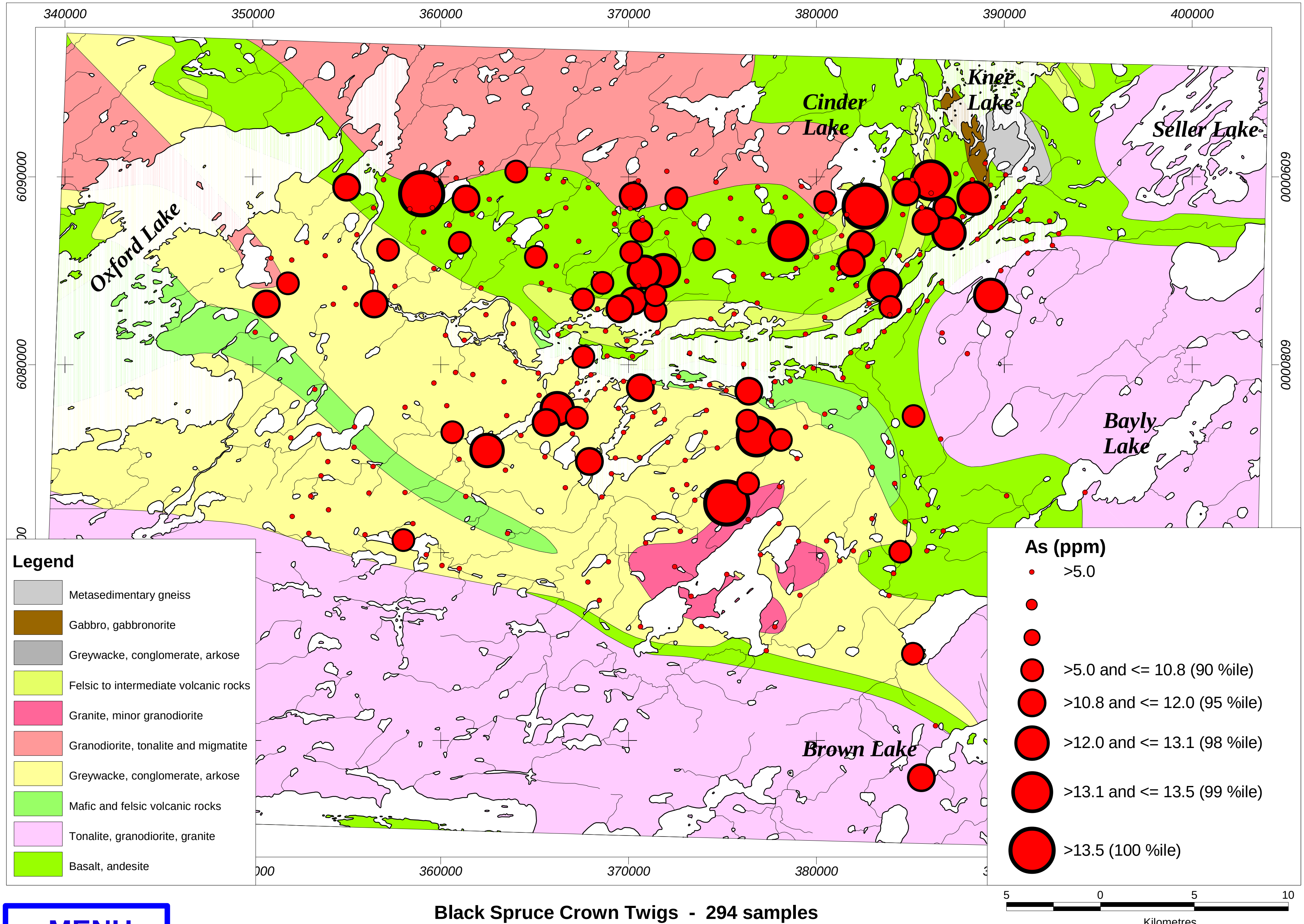

MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-8



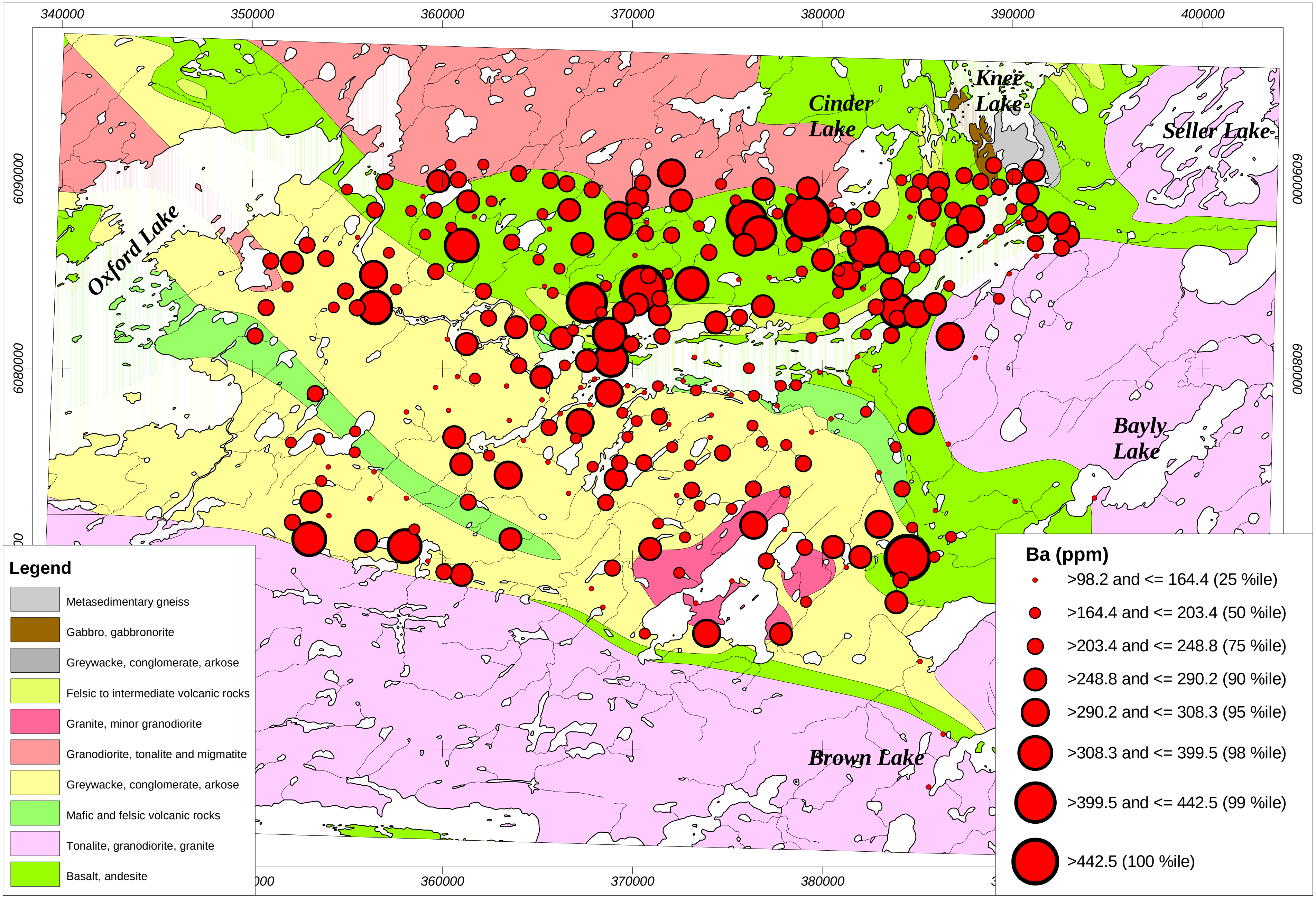

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

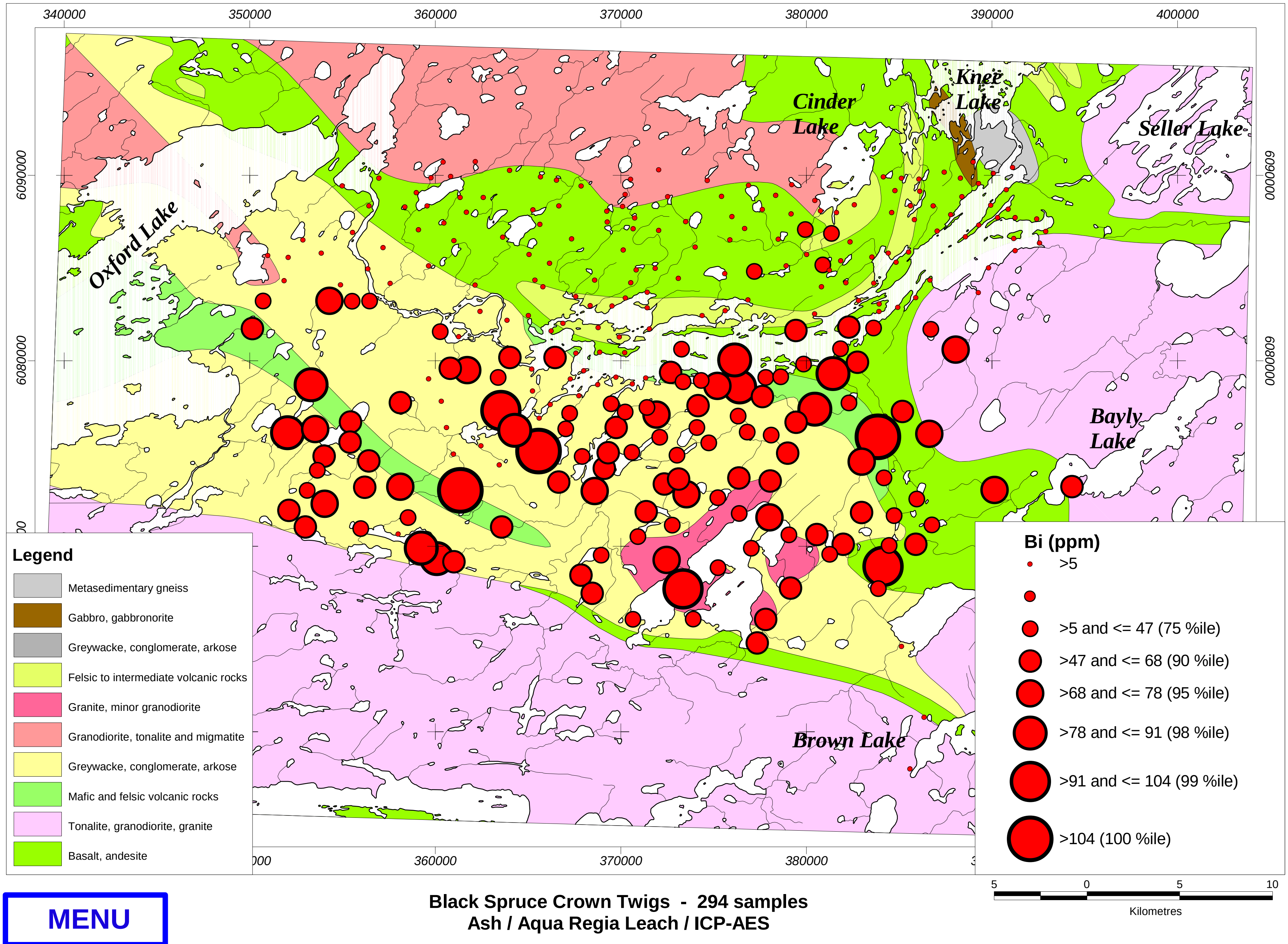
Appendix V-3-10




MENU

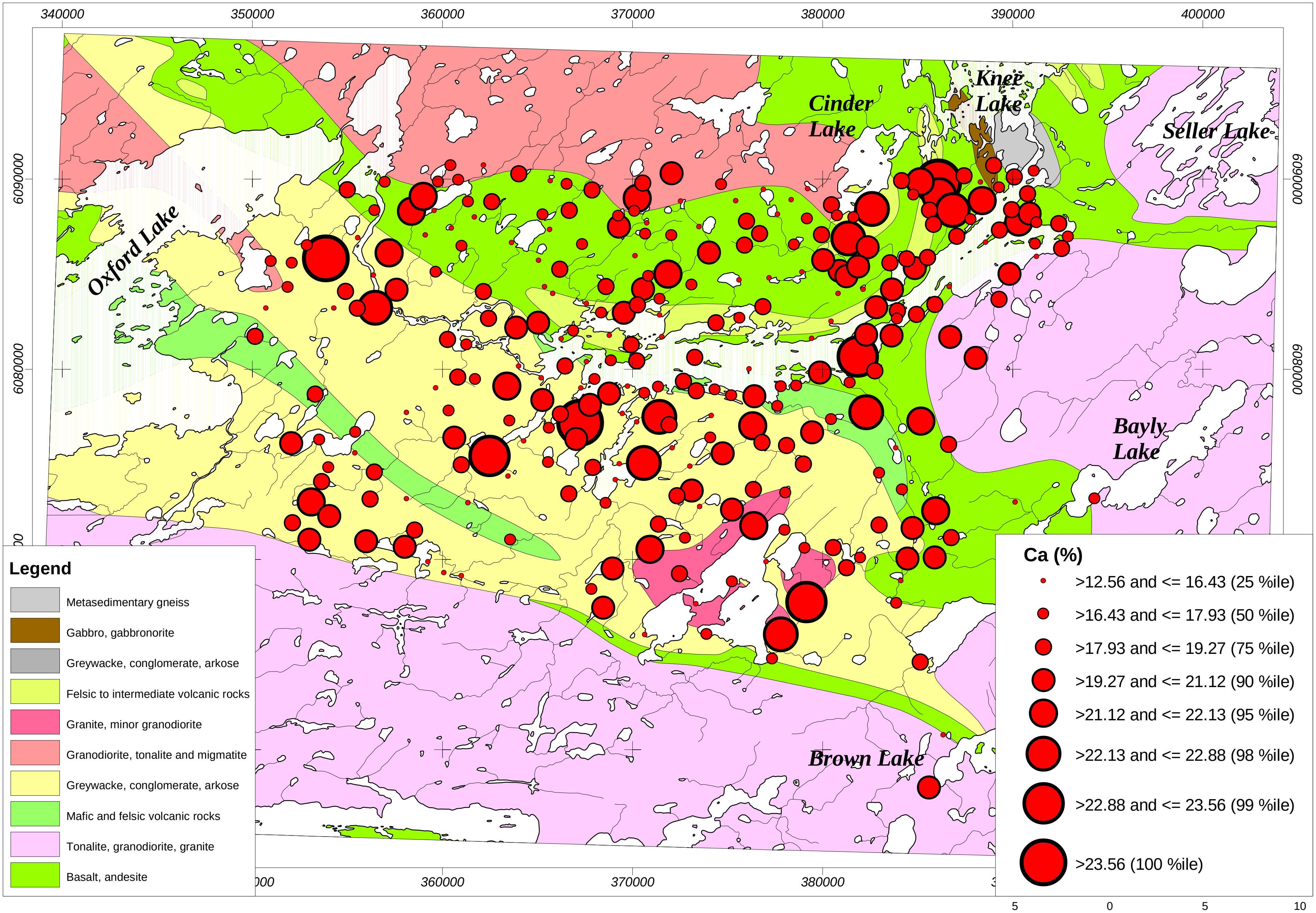
**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-11




**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

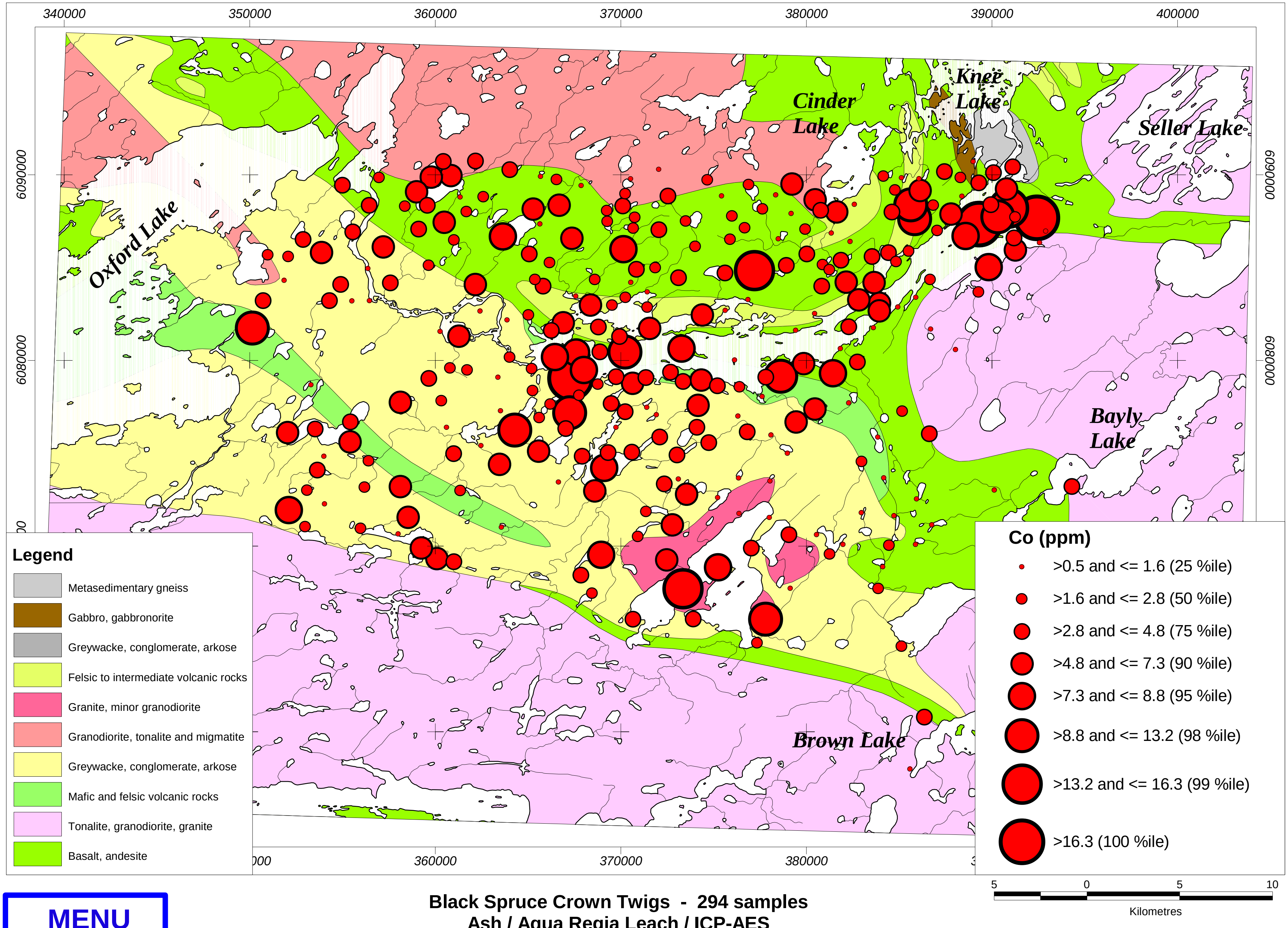
Appendix V-3-12




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

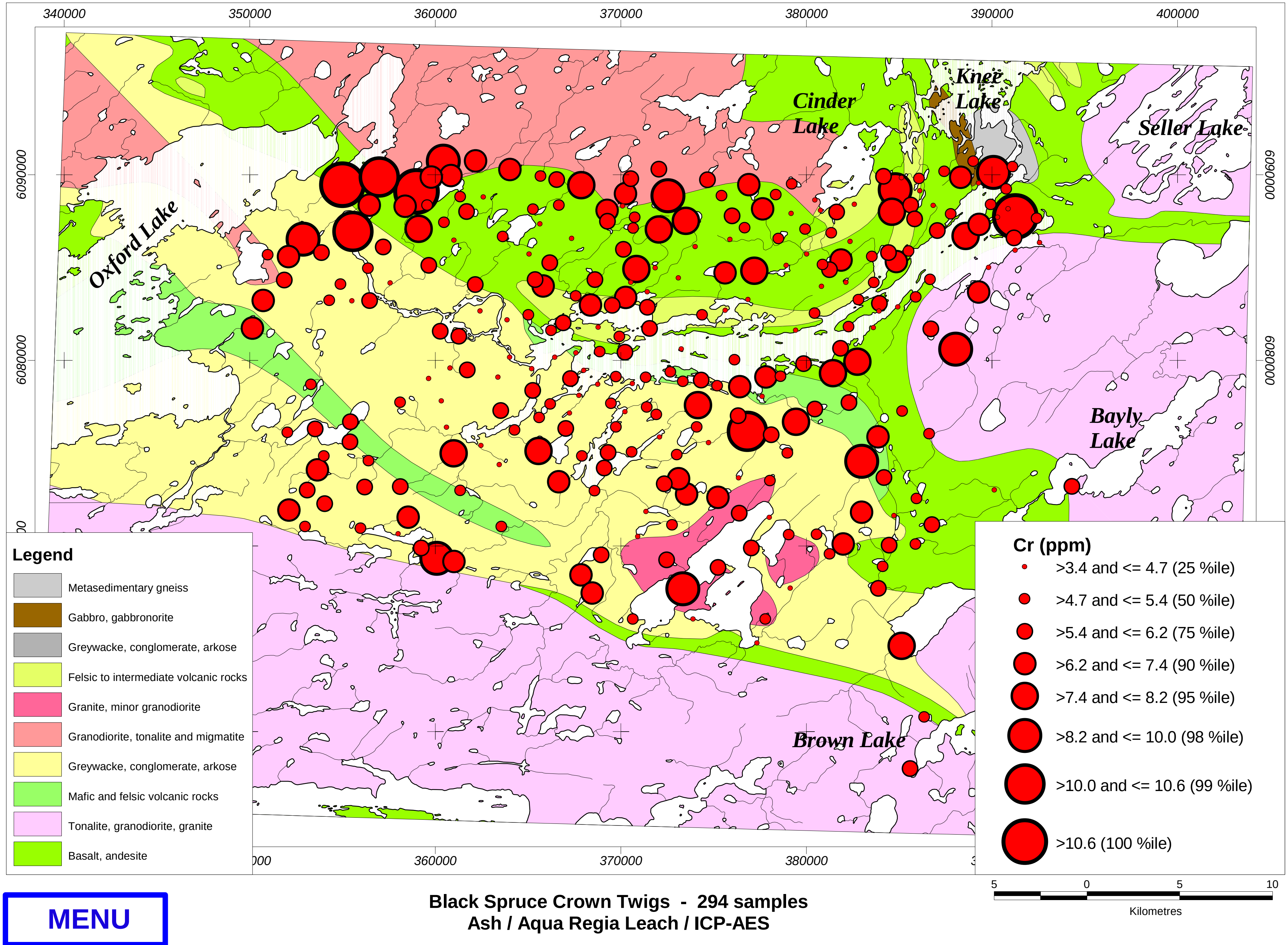
Appendix V-3-13




MENU

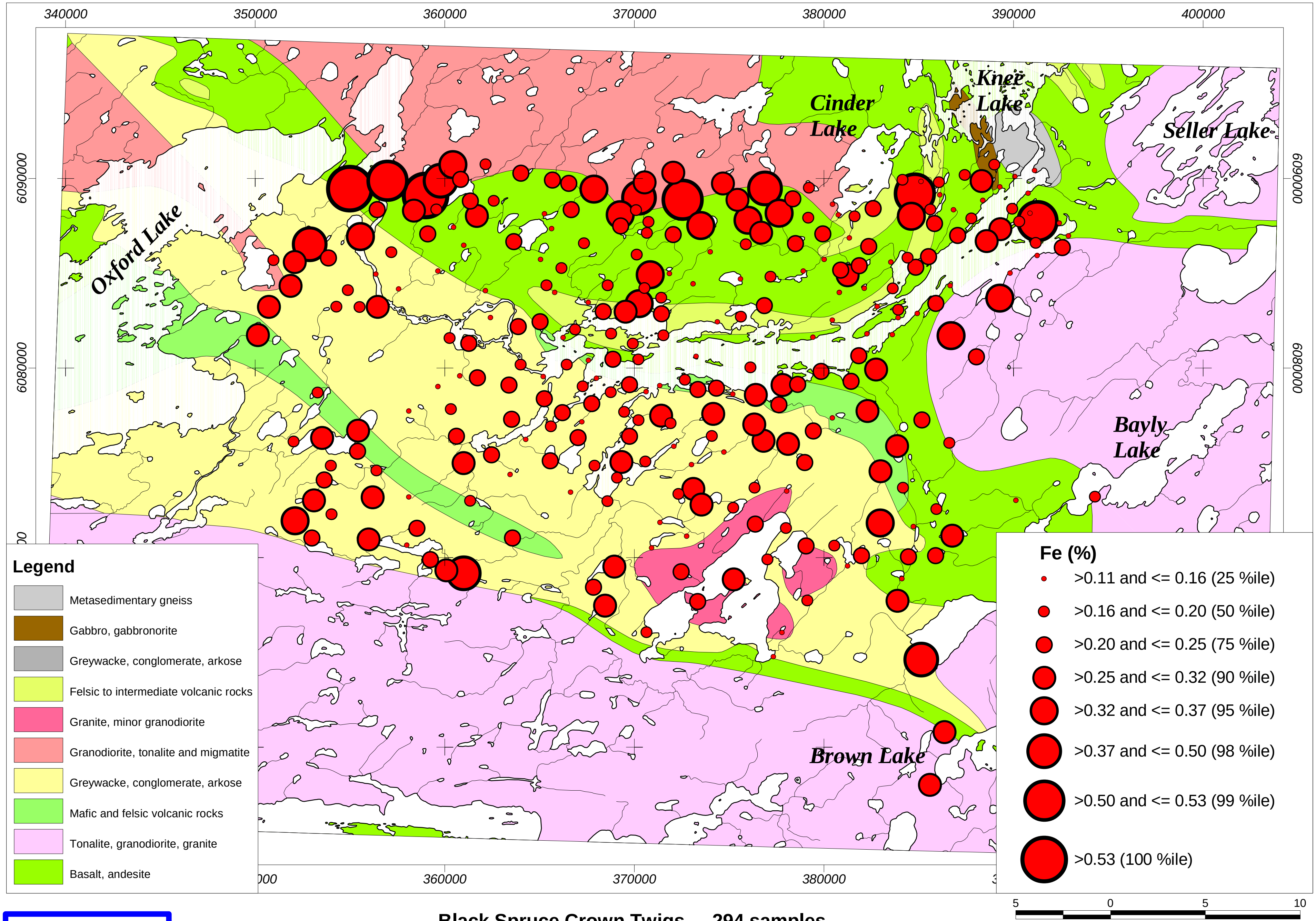
**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-14



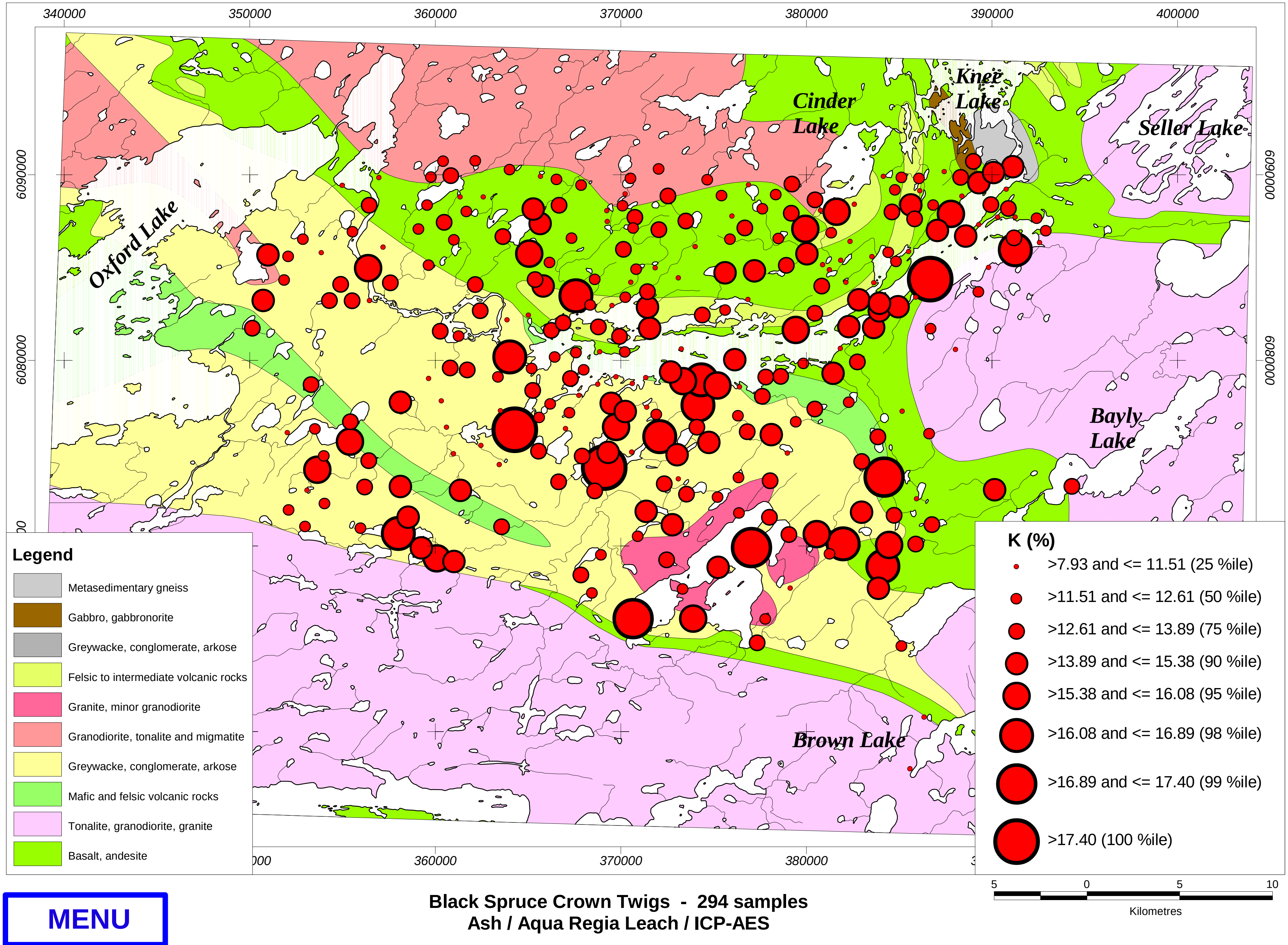

MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**




MENU

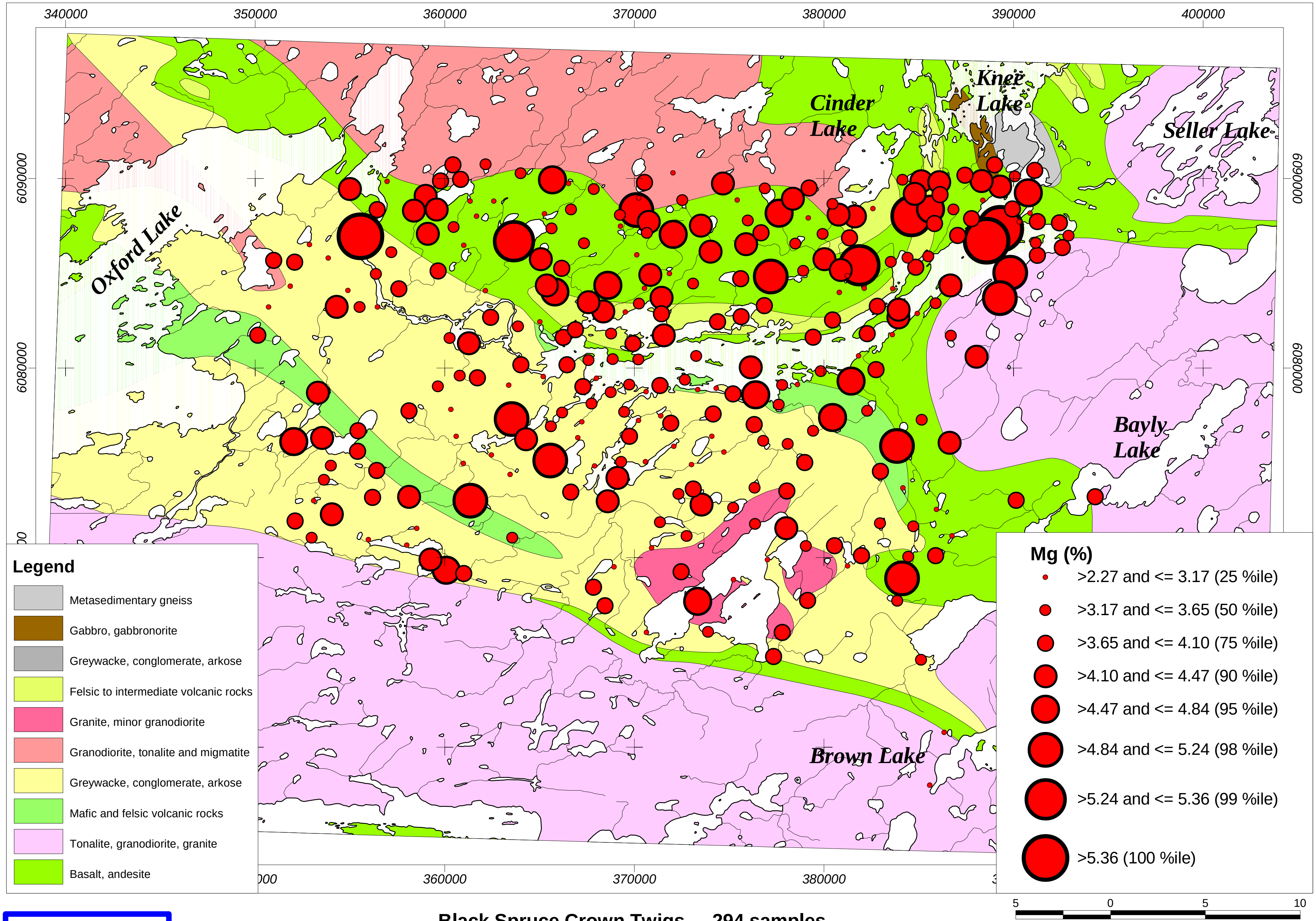
**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

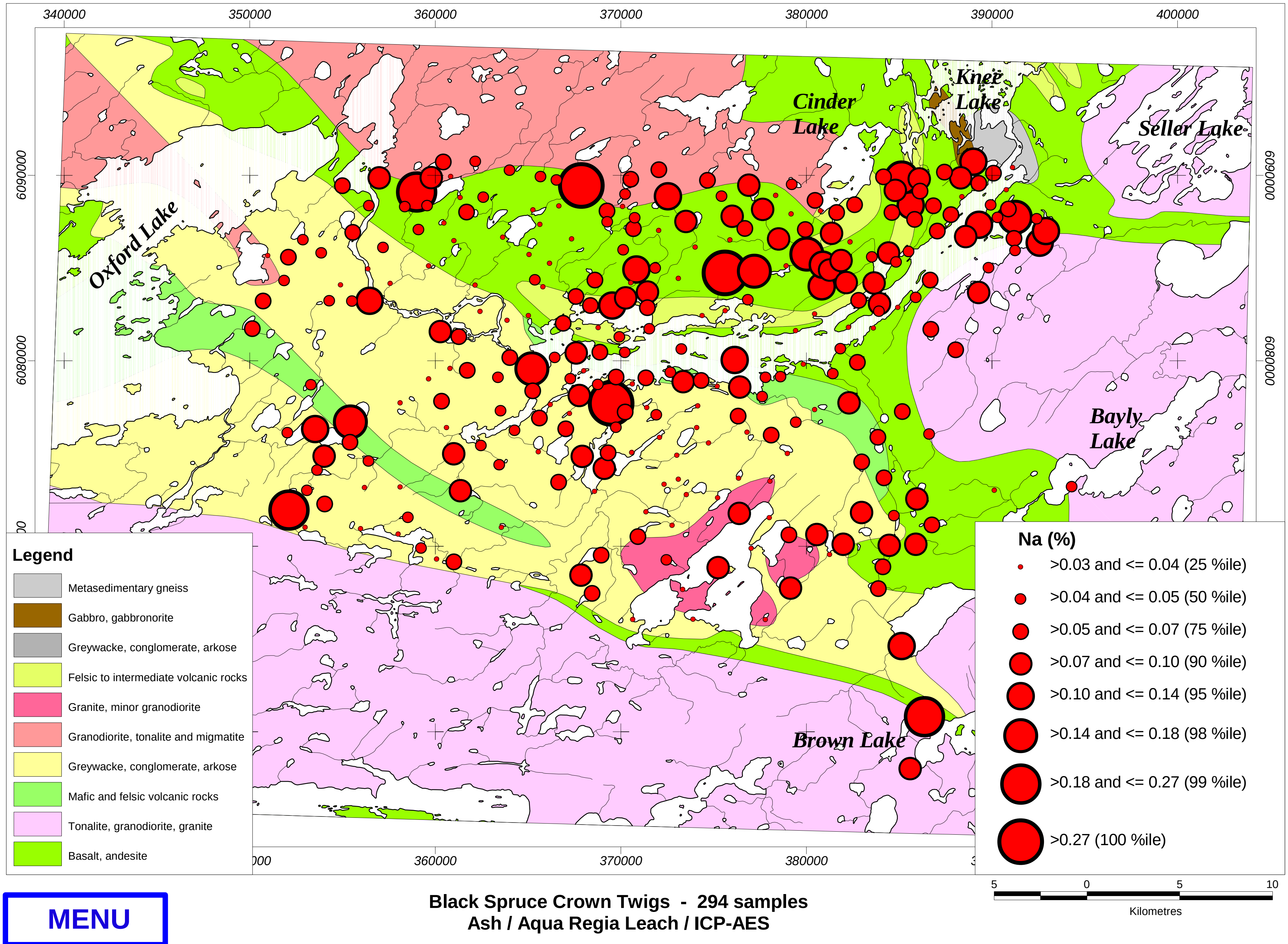
Appendix V-3-17




MENU

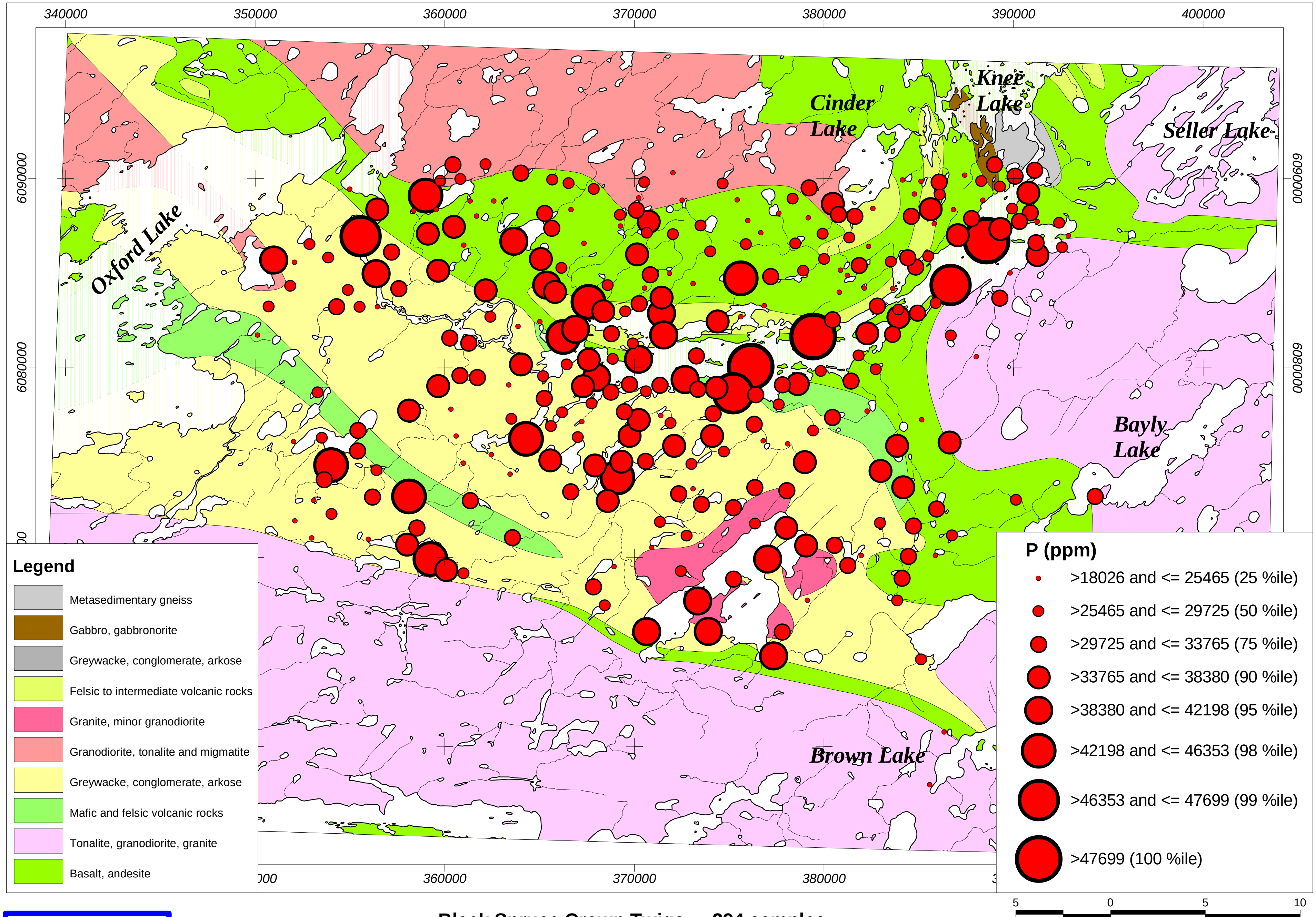
**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-18




**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

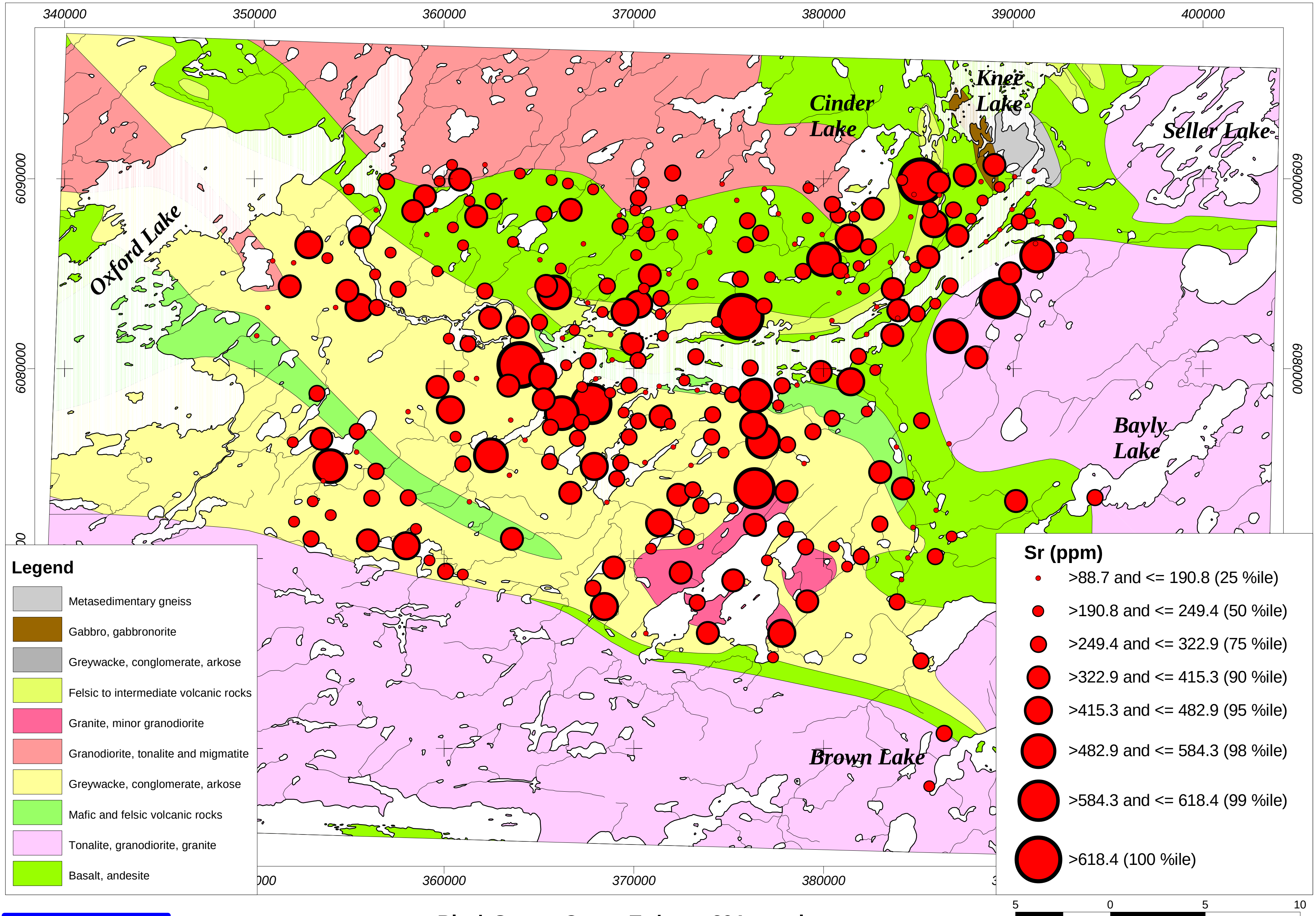
Appendix V-3-19




MENU

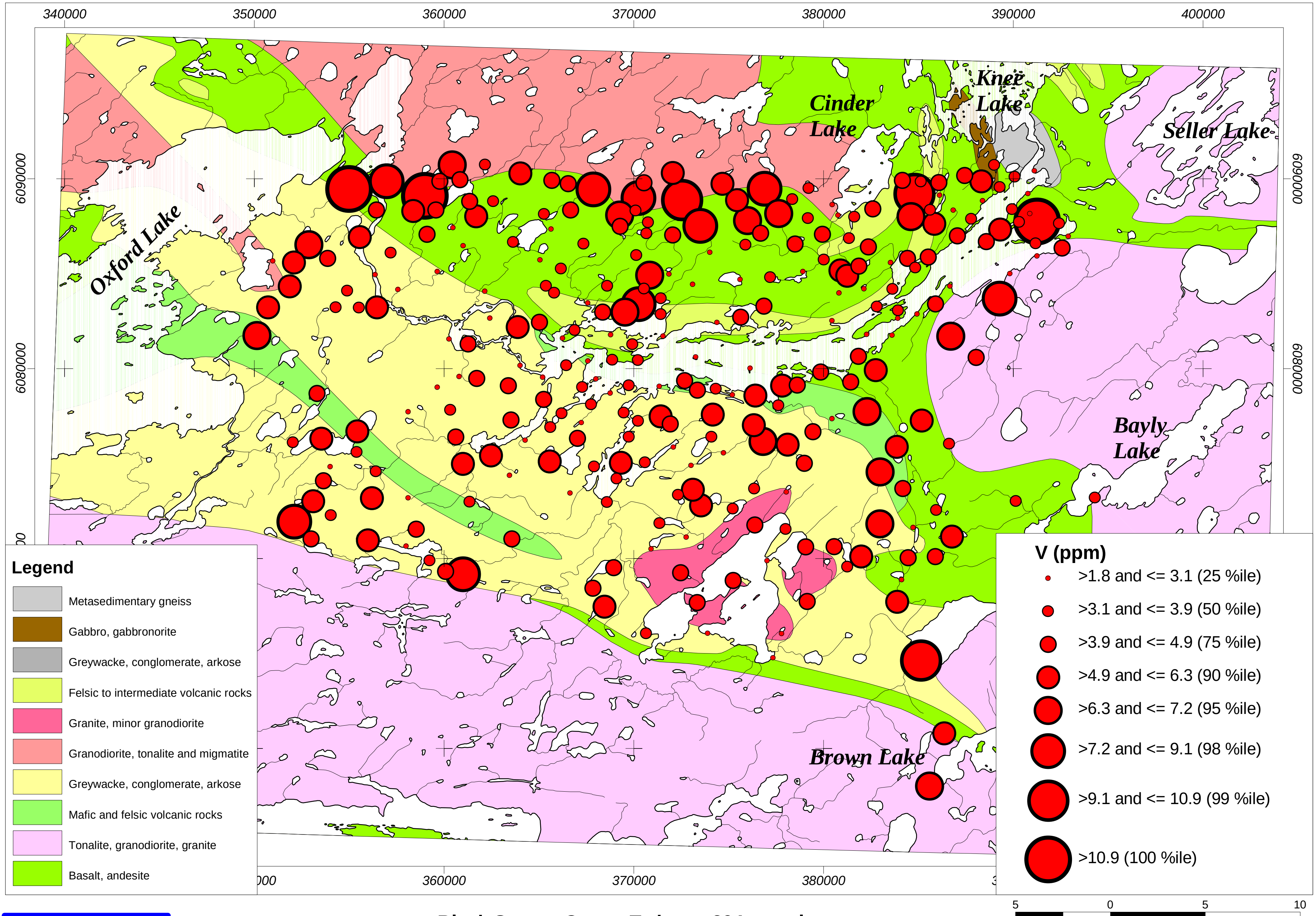
**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-20




MENU

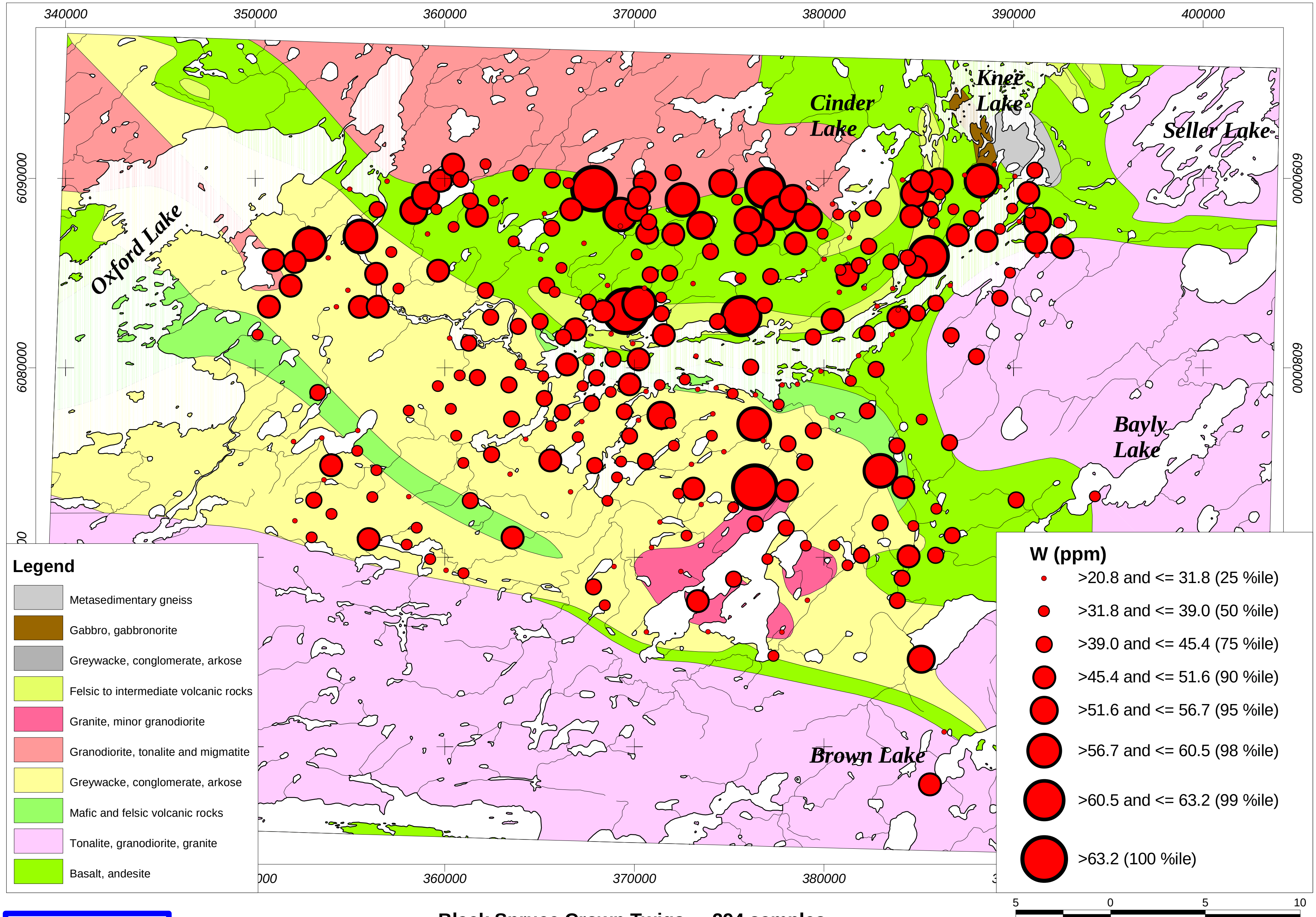
**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

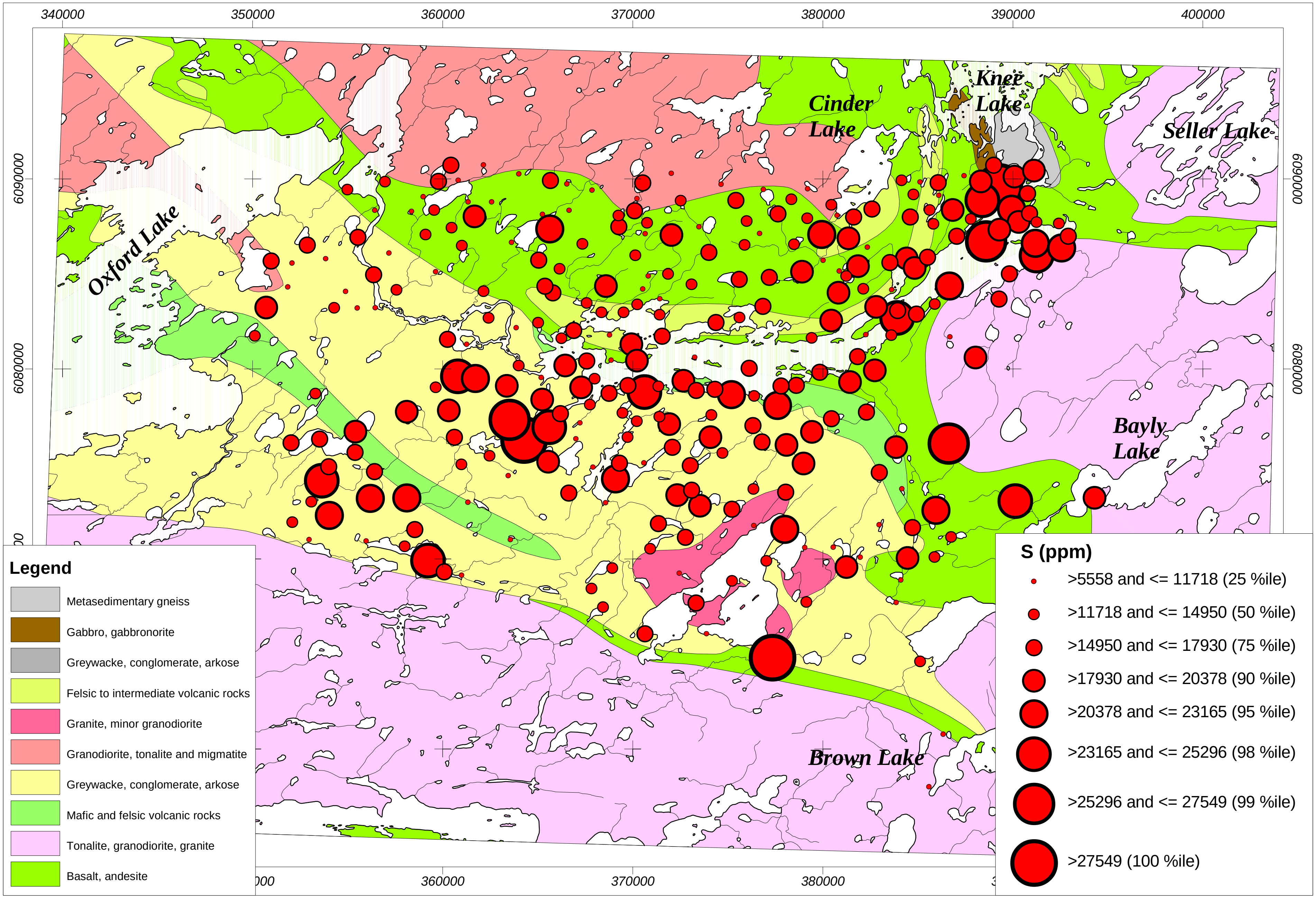
Appendix V-3-22




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-23




MENU

**Black Spruce Crown Twigs - 294 samples**
**Ash / Aqua Regia Leach / ICP-AES**

Appendix V-3-24

# INA Analyses - Ashed Samples.

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-1 | 381338.32 | 6086855.25 | 2.13 | 24 | 1.7 | 1100 | 22 | 30.2 | 3.0 | 7 | 3.1 | 0.19 | 0.3 | 20.5 | 1 | 1100 | 25 | 180 | 0.8 |
| 99BST-2 | 379928.11 | 6087059.58 | 1.77 | 31 | 2.0 | 490 | 33 | 23.6 | 5.0 | 7 | 2.4 | 0.30 | 0.3 | 25.8 | 1 | 1130 | 80 | 220 | 1.8 |
| 99BST-3 | 380864.52 | 6085155.70 | 2.04 | 6 | 1.4 | 690 | 23 | 28.3 | 3.0 | 7 | 4.5 | 0.32 | 0.6 | 18.2 | 1 | 1970 | 25 | 200 | 0.5 |
| 99BST-4 | 385575.87 | 6057998.38 | 1.97 | 9 | 1.1 | 830 | 39 | 31.7 | 4.0 | 10 | 1.4 | 0.44 | 0.7 | 15.4 | 1 | 1980 | 25 | 68 | 0.4 |
| 99BST-5 | 386340.97 | 6060776.00 | 1.56 | 33 | 2.0 | 1600 | 42 | 30.6 | 7.0 | 12 | 9.1 | 0.50 | 0.7 | 19.3 | 1 | 4770 | 25 | 230 | 0.6 |
| 99BST-6 | 385118.63 | 6064597.68 | 1.69 | 9 | 3.5 | 580 | 38 | 27.3 | 5.0 | 7 | 2.9 | 0.69 | 0.9 | 18.2 | 4 | 2570 | 25 | 110 | 0.6 |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.90 | 13 | 1.6 | 1200 | 36 | 28.3 | 8.0 | 1 | 2.8 | 0.25 | 0.5 | 24.0 | 1 | 1810 | 25 | 210 | 0.4 |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.90 | 17 | 0.3 | 1200 | 40 | 28.9 | 8.0 | 5 | 2.3 | 0.22 | 0.3 | 23.6 | 1 | 1950 | 61 | 210 | 0.5 |
| 99BST-8 | 381843.70 | 6085393.08 | 1.51 | 6 | 1.3 | 540 | 28 | 28.6 | 7.0 | 6 | 15.0 | 0.27 | 0.5 | 17.7 | 5 | 1290 | 25 | 500 | 0.5 |
| 99BST-9 | 381226.37 | 6084881.63 | 1.81 | 6 | 2.9 | 710 | 33 | 28.5 | 4.0 | 10 | 1.5 | 0.41 | 0.3 | 17.7 | 1 | 2090 | 64 | 88 | 0.4 |
| 99BST-10 | 380814.98 | 6083990.92 | 1.83 | 40 | 1.0 | 1400 | 27 | 22.7 | 9.0 | 1 | 11.0 | 0.23 | 0.3 | 28.3 | 1 | 2540 | 25 | 450 | 0.4 |
| 99BST-11 | 382124.73 | 6084199.82 | 1.64 | 20 | 1.5 | 2000 | 27 | 29.1 | 14.0 | 6 | 18.0 | 0.29 | 0.3 | 19.3 | 1 | 1850 | 25 | 500 | 0.5 |
| 99BST-12 | 384139.45 | 6089907.45 | 2.02 | 20 | 1.3 | 1100 | 28 | 28.9 | 6.0 | 5 | 4.3 | 0.26 | 0.6 | 17.7 | 1 | 1330 | 25 | 270 | 0.4 |
| 99BST-13 | 385120.09 | 6089836.36 | 2.20 | 42 | 1.2 | 1100 | 17 | 27.2 | 2.0 | 5 | 0.9 | 0.20 | 0.3 | 19.2 | 1 | 2110 | 25 | 90 | 0.2 |
| 99BST-14 | 386060.67 | 6089790.62 | 2.14 | 27 | 1.5 | 900 | 19 | 29.9 | 3.0 | 1 | 1.4 | 0.19 | 0.6 | 16.3 | 1 | 960 | 25 | 62 | 0.3 |
| 99BST-15 | 385609.68 | 6088356.80 | 1.48 | 9 | 1.8 | 1000 | 26 | 23.5 | 14.0 | 6 | 18.0 | 0.20 | 0.3 | 26.1 | 1 | 1590 | 150 | 390 | 0.6 |
| 99BST-16 | 386107.09 | 6089134.20 | 2.20 | 7 | 0.9 | 950 | 19 | 30.4 | 8.0 | 5 | 5.6 | 0.19 | 0.3 | 15.5 | 1 | 939 | 25 | 200 | 0.2 |
| 99BST-17 | 386831.55 | 6088342.61 | 2.07 | 15 | 0.7 | 920 | 22 | 28.4 | 3.0 | 1 | 5.9 | 0.15 | 0.3 | 20.3 | 1 | 741 | 25 | 250 | 0.2 |
| 99BST-18 | 384402.98 | 6085799.86 | 1.80 | 8 | 1.3 | 400 | 36 | 25.9 | 6.0 | 7 | 1.8 | 0.28 | 0.7 | 23.4 | 1 | 1640 | 25 | 140 | 0.3 |
| 99BST-19 | 383518.94 | 6085591.65 | 2.01 | 8 | 0.8 | 960 | 34 | 28.7 | 7.0 | 3 | 2.2 | 0.20 | 0.3 | 19.5 | 1 | 1020 | 25 | 200 | 0.3 |
| 99BST-20 | 385498.35 | 6085864.44 | 1.73 | 13 | 1.2 | 1400 | 23 | 27.2 | 5.0 | 9 | 3.1 | 0.33 | 0.3 | 19.5 | 3 | 1560 | 70 | 370 | 0.3 |
| 99BST-21-1 Field Duplicate | 384823.47 | 6085301.09 | 1.80 | 10 | 1.1 | 1000 | 32 | 27.0 | 5.0 | 5 | 3.3 | 0.20 | 0.5 | 20.5 | 1 | 1100 | 120 | 180 | 0.2 |
| 99BST-21-2 Field Duplicate | 384823.47 | 6085301.09 | 1.80 | 16 | 2.4 | 1400 | 34 | 25.5 | 6.0 | 7 | 2.9 | 0.35 | 0.3 | 18.8 | 1 | 1430 | 74 | 120 | 0.4 |
| 99BST-22 | 383626.62 | 6084172.60 | 2.06 | 14 | 0.8 | 730 | 36 | 27.9 | 11.0 | 7 | 7.8 | 0.21 | 0.3 | 23.5 | 1 | 1110 | 57 | 410 | 0.4 |
| 99BST-23 | 382797.60 | 6083251.65 | 2.30 | 8 | 1.7 | 1400 | 30 | 29.2 | 9.0 | 5 | 5.4 | 0.23 | 0.3 | 18.5 | 1 | 1480 | 75 | 300 | 0.3 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.14 | 31 | 2.3 | 1100 | 33 | 25.3 | 11.0 | 7 | 13.0 | 0.24 | 0.3 | 21.3 | 1 | 1310 | 25 | 300 | 0.5 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.14 | 3 | 2.2 | 1100 | 32 | 26.3 | 12.0 | 7 | 12.0 | 0.25 | 0.3 | 22.6 | 1 | 1260 | 80 | 310 | 0.5 |
| 99BST-25 | 390069.10 | 6090107.94 | 1.87 | 5 | 6.4 | 690 | 30 | 24.7 | 8.0 | 6 | 3.5 | 0.20 | 0.3 | 26.3 | 1 | 1010 | 25 | 250 | 0.5 |
| 99BST-26 | 389273.35 | 6089551.83 | 2.00 | 6 | 1.3 | 660 | 21 | 24.2 | 5.0 | 4 | 2.3 | 0.21 | 0.3 | 25.7 | 1 | 1170 | 60 | 280 | 0.3 |
| 99BST-27 | 388381.58 | 6088845.50 | 1.96 | 11 | 1.0 | 620 | 18 | 32.9 | 3.0 | 3 | 2.2 | 0.25 | 0.3 | 16.8 | 1 | 1030 | 25 | 180 | 0.3 |
| 99BST-28 | 391096.14 | 6090415.34 | 1.66 | 14 | 1.2 | 740 | 32 | 25.6 | 7.0 | 6 | 16.0 | 0.22 | 0.3 | 21.9 | 1 | 1020 | 100 | 440 | 0.5 |
| 99BST-29 | 390765.20 | 6089215.18 | 1.89 | 12 | 1.6 | 910 | 26 | 27.7 | 9.0 | 3 | 15.0 | 0.21 | 0.3 | 18.9 | 5 | 702 | 130 | 330 | 0.4 |
| 99BST-30 | 389922.08 | 6088381.30 | 2.01 | 19 | 1.0 | 1400 | 32 | 24.5 | 7.0 | 5 | 5.4 | 0.22 | 0.6 | 23.9 | 1 | 1140 | 170 | 210 | 0.3 |
| 99BST-31 | 387776.64 | 6087871.04 | 1.83 | 8 | 1.4 | 1000 | 24 | 22.3 | 8.0 | 2 | 1.7 | 0.21 | 0.3 | 28.5 | 1 | 1050 | 25 | 170 | 0.3 |
| 99BST-32 | 389281.25 | 6087309.72 | 1.85 | 3 | 1.8 | 1000 | 12 | 26.4 | 32.0 | 10 | 50.0 | 0.41 | 0.6 | 13.3 | 4 | 2380 | 220 | 260 | 1.4 |
| 99BST-33 | 387035.08 | 6086978.20 | 1.68 | 6 | 2.3 | 790 | 32 | 25.0 | 4.0 | 7 | 1.2 | 0.28 | 0.6 | 25.3 | 1 | 1250 | 25 | 240 | 0.3 |
| 99BST-34 | 388567.46 | 6086677.37 | 1.56 | 8 | 1.2 | 430 | 15 | 19.0 | 13.0 | 1 | 17.0 | 0.35 | 0.3 | 25.0 | 1 | 1590 | 230 | 370 | 0.7 |
| 99BST-35 | 390865.79 | 6088176.15 | 1.78 | 10 | 1.2 | 1100 | 17 | 28.2 | 19.0 | 1 | 46.0 | 0.21 | 0.3 | 20.9 | 1 | 918 | 80 | 840 | 1.1 |
| 99BST-36 | 390299.61 | 6087715.51 | 2.35 | 7 | 0.9 | 1800 | 18 | 26.1 | 14.0 | 4 | 4.4 | 0.24 | 0.3 | 17.2 | 1 | 915 | 54 | 190 | 0.3 |
| 99BST-37 | 391242.83 | 6087718.12 | 1.55 | 8 | 3.9 | 540 | 41 | 22.8 | 5.0 | 16 | 4.0 | 0.69 | 1.1 | 20.4 | 1 | 3270 | 95 | 120 | 0.6 |
| 99BST-38 | 392410.86 | 6087648.10 | 1.75 | 3 | 1.7 | 1000 | 21 | 28.1 | 59.0 | 7 | 22.0 | 0.21 | 0.3 | 21.0 | 1 | 1000 | 140 | 390 | 0.6 |
| 99BST-39 | 392898.97 | 6086971.53 | 2.20 | 43 | 1.2 | 680 | 22 | 26.4 | 3.0 | 6 | 7.3 | 0.20 | 0.3 | 23.5 | 1 | 1940 | 25 | 200 | 0.2 |
| 99BST-40 | 392559.91 | 6086340.04 | 1.78 | 54 | 1.4 | 650 | 18 | 28.5 | 4.0 | 6 | 5.0 | 0.31 | 0.6 | 19.1 | 1 | 2600 | 25 | 190 | 0.2 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-41-1 Field Duplicate | 391167.56 | 6086589.75 | 2.08 | 6 | 1.4 | 460 | 30 | 24.2 | 7.0 | 4 | 2.5 | 0.23 | 0.3 | 24.2 | 1 | 1040 | 25 | 240 | 0.2 |
| 99BST-41-2 Field Duplicate | 391167.56 | 6086589.75 | 1.65 | 11 | 1.6 | 340 | 30 | 28.3 | 6.0 | 5 | 2.5 | 0.33 | 0.3 | 20.8 | 1 | 1370 | 25 | 210 | 0.3 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 2.14 | 3 | 1.1 | 2400 | 23 | 21.5 | 8.0 | 1 | 7.9 | 0.19 | 0.5 | 28.5 | 5 | 736 | 85 | 380 | 0.3 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 2.14 | 6 | 0.9 | 2500 | 25 | 22.1 | 9.0 | 1 | 8.6 | 0.20 | 0.3 | 29.2 | 1 | 805 | 25 | 380 | 0.1 |
| 99BST-43 | 389804.68 | 6084999.49 | 1.93 | 9 | 1.9 | 1600 | 16 | 28.2 | 12.0 | 5 | 48.0 | 0.18 | 0.3 | 18.1 | 1 | 834 | 80 | 530 | 1.1 |
| 99BST-44 | 389261.00 | 6083667.72 | 1.77 | 22 | 2.3 | 890 | 25 | 24.3 | 4.0 | 6 | 1.3 | 0.44 | 0.3 | 20.5 | 1 | 1640 | 25 | 89 | 0.3 |
| 99BST-45 | 386653.33 | 6084343.11 | 2.00 | 7 | 1.2 | 560 | 24 | 18.2 | 5.0 | 6 | 3.3 | 0.22 | 0.3 | 30.7 | 1 | 1070 | 25 | 390 | 0.3 |
| 99BST-46 | 385883.41 | 6083393.71 | 1.78 | 3 | 1.8 | 1100 | 26 | 26.8 | 4.0 | 7 | 2.1 | 0.32 | 0.3 | 16.1 | 1 | 1190 | 110 | 160 | 0.3 |
| 99BST-47 | 384919.22 | 6082875.51 | 1.92 | 6 | 1.5 | 1100 | 22 | 27.5 | 3.0 | 4 | 1.4 | 0.21 | 0.3 | 26.1 | 1 | 908 | 25 | 200 | 0.3 |
| 99BST-48 | 383904.64 | 6082648.05 | 2.00 | 6 | 0.9 | 950 | 36 | 23.5 | 8.0 | 3 | 2.7 | 0.20 | 0.3 | 24.2 | 1 | 873 | 25 | 230 | 0.2 |
| 99BST-49 | 388981.01 | 6090705.90 | 2.12 | 6 | 1.2 | 890 | 20 | 32.2 | 3.0 | 5 | 4.2 | 0.25 | 0.3 | 23.2 | 1 | 1730 | 25 | 160 | 0.3 |
| 99BST-50 | 387427.39 | 6090166.15 | 1.97 | 3 | 1.7 | 770 | 21 | 26.9 | 8.0 | 8 | 4.4 | 0.27 | 0.3 | 17.1 | 4 | 1360 | 25 | 270 | 0.2 |
| 99BST-51 | 385816.88 | 6087616.81 | 1.94 | 7 | 1.2 | 1000 | 22 | 31.7 | 2.0 | 5 | 4.7 | 0.26 | 0.3 | 17.4 | 1 | 1190 | 25 | 190 | 0.1 |
| 99BST-52 | 382575.20 | 6088407.01 | 2.17 | 14 | 1.5 | 1900 | 26 | 25.4 | 17.0 | 5 | 10.0 | 0.28 | 0.6 | 20.7 | 4 | 1380 | 25 | 220 | 0.4 |
| 99BST-53 | 381611.17 | 6087984.39 | 1.83 | 10 | 1.2 | 770 | 29 | 23.0 | 7.0 | 6 | 7.9 | 0.27 | 0.5 | 25.9 | 1 | 1160 | 25 | 390 | 0.3 |
| 99BST-54 | 380446.70 | 6088630.40 | 2.28 | 7 | 1.3 | 1600 | 25 | 26.0 | 8.0 | 4 | 1.4 | 0.14 | 0.3 | 25.3 | 1 | 878 | 65 | 110 | 0.2 |
| 99BST-55 | 384763.43 | 6089168.41 | 1.80 | 8 | 3.6 | 480 | 23 | 23.1 | 5.0 | 11 | 4.0 | 0.68 | 0.7 | 19.8 | 4 | 2260 | 90 | 130 | 0.6 |
| 99BST-56 | 384593.57 | 6087985.36 | 1.51 | 8 | 2.7 | 470 | 24 | 18.3 | 5.0 | 8 | 3.7 | 0.47 | 0.3 | 21.8 | 1 | 1630 | 100 | 170 | 0.3 |
| 99BST-57 | 380747.02 | 6088073.86 | 2.00 | 6 | 1.4 | 980 | 14 | 27.5 | 7.0 | 7 | 7.3 | 0.16 | 0.3 | 19.6 | 1 | 752 | 25 | 270 | 0.2 |
| 99BST-58 | 379201.36 | 6089481.35 | 2.18 | 38 | 1.4 | 990 | 63 | 24.8 | 10.0 | 8 | 3.2 | 0.31 | 0.3 | 25.2 | 1 | 1330 | 61 | 200 | 0.3 |
| 99BST-59 | 376870.52 | 6089445.37 | 1.87 | 3 | 4.5 | 1200 | 51 | 23.2 | 6.0 | 11 | 2.7 | 0.67 | 0.9 | 18.9 | 1 | 2740 | 25 | 210 | 0.7 |
| 99BST-60 | 377624.11 | 6088152.06 | 1.68 | 10 | 3.8 | 670 | 46 | 19.2 | 4.0 | 6 | 13.0 | 0.50 | 0.3 | 23.7 | 1 | 1930 | 90 | 300 | 0.7 |
| 99BST-61 | 373483.58 | 6087490.54 | 1.72 | 6 | 4.5 | 740 | 78 | 21.1 | 4.0 | 5 | 3.3 | 0.49 | 0.8 | 23.2 | 1 | 1930 | 140 | 240 | 0.3 |
| 99BST-62 | 374649.11 | 6089718.54 | 1.79 | 11 | 2.7 | 410 | 53 | 22.6 | 3.0 | 7 | 1.9 | 0.37 | 0.3 | 22.8 | 1 | 1440 | 25 | 330 | 0.4 |
| 99BST-63 | 371851.38 | 6084985.15 | 2.35 | 10 | 1.3 | 1300 | 29 | 27.4 | 3.0 | 4 | 2.8 | 0.18 | 0.3 | 16.4 | 1 | 715 | 25 | 300 | 0.3 |
| 99BST-64 | 370818.75 | 6084894.62 | 1.86 | 8 | 2.6 | 1000 | 42 | 21.7 | 5.0 | 7 | 13.0 | 0.49 | 0.3 | 23.2 | 1 | 2650 | 25 | 650 | 0.5 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 2.43 | 9 | 1.0 | 950 | 23 | 21.9 | 2.0 | 1 | 4.4 | 0.21 | 0.3 | 23.7 | 1 | 1240 | 25 | 380 | 0.3 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 2.43 | 9 | 1.8 | 790 | 23 | 22.4 | 3.0 | 1 | 3.9 | 0.21 | 0.3 | 25.2 | 1 | 1240 | 25 | 390 | 0.3 |
| 99BST-66 | 370239.75 | 6083375.40 | 1.66 | 3 | 3.0 | 810 | 28 | 23.5 | 4.0 | 10 | 1.7 | 0.42 | 0.9 | 23.8 | 1 | 2150 | 25 | 180 | 0.6 |
| 99BST-67 | 369512.90 | 6082951.85 | 1.83 | 12 | 2.8 | 1700 | 30 | 26.0 | 4.0 | 1 | 1.8 | 0.38 | 0.7 | 21.5 | 1 | 2220 | 25 | 140 | 0.3 |
| 99BST-68 | 378482.32 | 6086547.36 | 1.75 | 8 | 2.7 | 570 | 29 | 28.4 | 3.0 | 3 | 7.5 | 0.31 | 0.3 | 23.0 | 1 | 1840 | 25 | 350 | 0.3 |
| 99BST-69 | 378901.57 | 6085104.21 | 1.98 | 19 | 2.1 | 1600 | 39 | 22.0 | 6.0 | 4 | 1.6 | 0.18 | 0.3 | 29.6 | 1 | 896 | 75 | 160 | 0.2 |
| 99BST-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1.55 | 9 | 1.3 | 2200 | 27 | 20.3 | 18.0 | 5 | 42.0 | 0.23 | 0.3 | 25.7 | 1 | 1910 | 230 | 950 | 0.8 |
| 99BST-70-2 Field Duplicate | 377176.25 | 6084802.55 | 1.52 | 15 | 1.6 | 2200 | 27 | 22.3 | 18.0 | 6 | 38.0 | 0.21 | 0.3 | 26.4 | 1 | 2930 | 250 | 990 | 0.8 |
| 99BST-71 | 375594.28 | 6084702.04 | 1.83 | 14 | 1.0 | 880 | 39 | 21.2 | 5.0 | 5 | 2.0 | 0.18 | 0.3 | 32.6 | 1 | 6600 | 72 | 320 | 0.1 |
| 99BST-72 | 370123.86 | 6085972.41 | 1.92 | 8 | 0.8 | 1400 | 58 | 24.5 | 9.0 | 7 | 3.2 | 0.26 | 0.3 | 25.6 | 1 | 996 | 25 | 370 | 0.2 |
| 99BST-73 | 370656.16 | 6087109.32 | 1.96 | 9 | 0.8 | 780 | 21 | 24.0 | 3.0 | 6 | 5.1 | 0.19 | 0.5 | 22.8 | 1 | 1020 | 25 | 440 | 0.5 |
| 99BST-74 | 368347.58 | 6082970.14 | 1.92 | 5 | 1.3 | 1100 | 22 | 24.0 | 6.0 | 4 | 1.2 | 0.26 | 0.3 | 21.1 | 1 | 1150 | 25 | 92 | 0.2 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 2.19 | 8 | 0.3 | 550 | 91 | 20.7 | 3.0 | 1 | 15.0 | 0.18 | 0.3 | 28.9 | 1 | 682 | 80 | 870 | 0.4 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 2.19 | 11 | 0.3 | 590 | 89 | 21.7 | 5.0 | 5 | 15.0 | 0.12 | 0.3 | 29.0 | 1 | 778 | 25 | 870 | 0.3 |
| 99BST-76 | 366875.73 | 6082011.38 | 1.84 | 7 | 0.3 | 990 | 33 | 24.1 | 11.0 | 4 | 4.7 | 0.25 | 0.3 | 22.8 | 1 | 1190 | 25 | 350 | 0.2 |
| 99BST-77 | 366237.10 | 6081599.59 | 1.89 | 7 | 0.8 | 480 | 43 | 19.1 | 5.0 | 7 | 2.4 | 0.17 | 0.3 | 25.6 | 1 | 641 | 100 | 300 | 0.2 |
| 99BST-78 | 368777.48 | 6081793.37 | 2.09 | 6 | 1.5 | 710 | 20 | 23.2 | 5.0 | 5 | 12.0 | 0.23 | 0.3 | 25.1 | 4 | 968 | 25 | 580 | 0.4 |
| 99BST-79 | 369918.79 | 6081283.90 | 2.02 | 3 | 1.5 | 720 | 31 | 22.5 | 5.0 | 7 | 8.6 | 0.24 | 0.3 | 24.4 | 1 | 1010 | 75 | 600 | 0.3 |
| 99BST-80 | 371536.33 | 6081711.47 | 1.77 | 7 | 1.0 | 800 | 42 | 19.8 | 11.0 | 9 | 1.2 | 0.19 | 0.3 | 26.5 | 1 | 875 | 25 | 170 | 0.2 |
| 99BST-81 | 370746.10 | 6087688.00 | 1.81 | 3 | 0.7 | 1100 | 30 | 22.7 | 3.0 | 5 | 16.0 | 0.22 | 0.3 | 24.4 | 1 | 963 | 25 | 570 | 0.4 |
| 99BST-82-1 Field Duplicate | 372516.50 | 6088851.06 | 1.78 | 26 | 4.5 | 1600 | 51 | 21.6 | 5.0 | 9 | 2.6 | 0.56 | 1.5 | 20.8 | 4 | 3500 | 72 | 260 | 0.5 |
| 99BST-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1.58 | 7 | 2.6 | 320 | 38 | 19.8 | 5.0 | 15 | 4.4 | 0.55 | 0.3 | 26.8 | 1 | 2210 | 64 | 420 | 0.4 |
| 99BST-83 | 372026.99 | 6090288.56 | 1.94 | 7 | 1.2 | 920 | 23 | 27.7 | 3.0 | 6 | 6.0 | 0.33 | 0.3 | 22.0 | 4 | 1590 | 25 | 370 | 0.3 |
| 99BST-84 | 370517.90 | 6089778.24 | 1.75 | 6 | 1.8 | 860 | 37 | 24.4 | 3.0 | 7 | 4.3 | 0.30 | 0.3 | 22.0 | 1 | 1350 | 25 | 320 | 0.3 |
| 99BST-85 | 370224.45 | 6088963.94 | 1.77 | 8 | 1.8 | 780 | 34 | 30.2 | 4.0 | 4 | 2.9 | 0.44 | 0.3 | 17.3 | 1 | 1760 | 25 | 230 | 0.3 |
| 99BST-86 | 370086.72 | 6088310.03 | 1.75 | 3 | 0.8 | 740 | 33 | 25.4 | 6.0 | 1 | 5.5 | 0.19 | 0.3 | 21.7 | 1 | 732 | 25 | 560 | 0.2 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-87 | 365628.38 | 6087349.81 | 2.11 | 25 | 0.3 | 160 | 52 | 19.7 | 3.0 | 6 | 4.7 | 0.21 | 0.3 | 28.6 | 1 | 816 | 25 | 360 | 0.3 |
| 99BST-88 | 366652.68 | 6088345.47 | 1.88 | 28 | 2.1 | 1800 | 43 | 25.3 | 7.0 | 6 | 2.7 | 0.30 | 1.0 | 22.0 | 1 | 1110 | 25 | 280 | 0.3 |
| 99BST-89 | 359762.87 | 6089860.45 | 1.76 | 18 | 1.3 | 980 | 18 | 24.8 | 8.0 | 7 | 2.4 | 0.31 | 0.3 | 21.6 | 1 | 1820 | 25 | 220 | 0.2 |
| 99BST-90 | 360419.16 | 6090713.89 | 1.76 | 3 | 2.0 | 540 | 28 | 25.0 | 5.0 | 13 | 6.9 | 0.41 | 0.6 | 19.7 | 1 | 2250 | 25 | 460 | 0.3 |
| 99BST-91 | 367854.62 | 6089411.77 | 1.49 | 32 | 1.4 | 670 | 24 | 28.6 | 3.0 | 9 | 1.7 | 0.40 | 0.8 | 23.3 | 1 | 6350 | 25 | 200 | 0.9 |
| 99BST-92 | 358969.17 | 6089064.02 | 1.48 | 11 | 2.1 | 480 | 17 | 29.3 | 8.0 | 18 | 8.6 | 0.65 | 0.7 | 11.4 | 1 | 4420 | 180 | 180 | 0.5 |
| 99BST-93 | 360817.18 | 6089935.46 | 1.91 | 14 | 1.6 | 1200 | 18 | 22.6 | 7.0 | 9 | 2.0 | 0.24 | 0.6 | 22.3 | 1 | 1040 | 25 | 180 | 0.2 |
| 99BST-94 | 361334.61 | 6088793.40 | 2.07 | 6 | 1.3 | 680 | 31 | 27.0 | 3.0 | 7 | 3.5 | 0.25 | 0.3 | 20.6 | 1 | 1210 | 25 | 250 | 0.2 |
| 99BST-95 | 359548.28 | 6088342.12 | 2.10 | 21 | 0.3 | 700 | 26 | 23.3 | 6.0 | 6 | 4.0 | 0.25 | 0.3 | 24.0 | 1 | 1070 | 82 | 490 | 0.1 |
| 99BST-96 | 360462.48 | 6087420.55 | 1.80 | 8 | 1.2 | 1300 | 15 | 22.4 | 8.0 | 1 | 1.3 | 0.19 | 0.3 | 24.7 | 1 | 803 | 25 | 180 | 0.4 |
| 99BST-97 | 361670.11 | 6088011.47 | 2.07 | 33 | 1.8 | 1500 | 22 | 22.5 | 4.0 | 9 | 2.3 | 0.38 | 0.7 | 23.5 | 7 | 1890 | 25 | 240 | 0.3 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 2.19 | 3 | 1.7 | 840 | 64 | 25.4 | 5.0 | 5 | 1.6 | 0.21 | 0.3 | 23.0 | 1 | 1020 | 25 | 180 | 0.1 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 2.19 | 9 | 1.0 | 810 | 62 | 26.6 | 5.0 | 5 | 1.9 | 0.25 | 0.3 | 23.7 | 1 | 1100 | 96 | 150 | 0.1 |
| 99BST-99 | 366531.44 | 6089734.77 | 1.89 | 10 | 2.0 | 820 | 38 | 22.7 | 3.0 | 7 | 1.1 | 0.27 | 0.3 | 22.1 | 4 | 1230 | 25 | 200 | 0.3 |
| 99BST-100 | 365660.55 | 6089907.35 | 1.88 | 8 | 0.3 | 590 | 22 | 22.7 | 2.0 | 7 | 7.2 | 0.22 | 0.3 | 19.0 | 1 | 1010 | 25 | 420 | 0.3 |
| 99BST-101-1 Field Duplicate | 364004.46 | 6090265.61 | 2.04 | 6 | 1.2 | 980 | 23 | 26.4 | 4.0 | 6 | 3.5 | 0.26 | 0.6 | 18.0 | 1 | 1050 | 25 | 330 | 0.2 |
| 99BST-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1.84 | 12 | 1.5 | 810 | 39 | 24.1 | 8.0 | 6 | 9.4 | 0.28 | 0.3 | 23.4 | 1 | 1290 | 130 | 520 | 0.3 |
| 99BST-102 | 365042.73 | 6085719.91 | 2.17 | 16 | 0.3 | 610 | 30 | 20.1 | 6.0 | 4 | 8.5 | 0.13 | 0.3 | 29.1 | 1 | 540 | 25 | 650 | 0.2 |
| 99BST-103 | 363623.14 | 6086658.21 | 2.20 | 18 | 1.3 | 830 | 36 | 21.4 | 9.0 | 1 | 1.1 | 0.23 | 0.3 | 23.8 | 1 | 897 | 25 | 200 | 0.2 |
| 99BST-104 | 365252.32 | 6088140.42 | 2.11 | 9 | 0.7 | 1800 | 40 | 21.9 | 7.0 | 5 | 2.1 | 0.17 | 0.3 | 24.5 | 1 | 807 | 25 | 270 | 0.1 |
| 99BST-105 | 369243.39 | 6088065.28 | 1.66 | 9 | 2.5 | 330 | 36 | 22.6 | 4.0 | 7 | 2.3 | 0.44 | 0.9 | 21.6 | 1 | 1950 | 25 | 160 | 0.4 |
| 99BST-106 | 369259.00 | 6087478.80 | 2.13 | 8 | 1.9 | 780 | 15 | 29.3 | 5.0 | 6 | 4.1 | 0.30 | 0.3 | 20.5 | 1 | 1450 | 25 | 450 | 0.4 |
| 99BST-107 | 367342.33 | 6086563.25 | 2.24 | 14 | 1.2 | 750 | 23 | 25.8 | 8.0 | 1 | 1.6 | 0.22 | 0.3 | 23.2 | 1 | 832 | 25 | 240 | 0.1 |
| 99BST-108 | 366150.70 | 6085252.06 | 1.88 | 8 | 0.3 | 690 | 37 | 23.4 | 5.0 | 5 | 3.8 | 0.18 | 0.3 | 23.0 | 1 | 761 | 25 | 420 | 0.2 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 2.18 | 3 | 1.5 | 740 | 38 | 23.6 | 3.0 | 1 | 2.9 | 0.22 | 0.3 | 20.1 | 1 | 904 | 25 | 230 | 0.2 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 2.18 | 3 | 1.6 | 820 | 42 | 24.1 | 3.0 | 4 | 2.6 | 0.21 | 0.3 | 20.7 | 1 | 938 | 25 | 230 | 0.2 |
| 99BST-110 | 365361.78 | 6084343.39 | 2.01 | 3 | 1.1 | 790 | 33 | 17.6 | 3.0 | 3 | 1.6 | 0.21 | 0.3 | 24.8 | 1 | 1080 | 71 | 140 | 0.1 |
| 99BST-111 | 371414.93 | 6082844.68 | 1.79 | 10 | 2.2 | 670 | 25 | 20.9 | 4.0 | 4 | 11.0 | 0.20 | 0.3 | 26.0 | 1 | 1080 | 25 | 590 | 0.3 |
| 99BST-113 | 374372.83 | 6082434.83 | 1.88 | 7 | 1.0 | 660 | 20 | 23.3 | 8.0 | 1 | 2.6 | 0.15 | 0.3 | 24.6 | 1 | 750 | 77 | 250 | 0.2 |
| 99BST-114 | 375612.85 | 6082701.79 | 1.91 | 9 | 1.2 | 1200 | 17 | 25.5 | 2.0 | 4 | 1.2 | 0.21 | 0.3 | 23.7 | 1 | 847 | 57 | 300 | 0.1 |
| 99BST-115 | 376837.58 | 6083283.99 | 2.30 | 5 | 1.6 | 500 | 20 | 25.2 | 3.0 | 4 | 1.8 | 0.25 | 0.5 | 21.7 | 1 | 1180 | 25 | 260 | 0.2 |
| 99BST-118 | 380435.24 | 6082526.84 | 1.75 | 8 | 1.4 | 480 | 32 | 20.9 | 3.0 | 5 | 3.5 | 0.22 | 0.3 | 26.4 | 1 | 704 | 25 | 430 | 0.3 |
| 99BST-120 | 356959.53 | 6089846.66 | 2.46 | 12 | 2.7 | 660 | 20 | 24.1 | 4.0 | 20 | 2.2 | 0.67 | 1.4 | 18.6 | 1 | 3750 | 25 | 180 | 0.4 |
| 99BST-121 | 356420.52 | 6088346.81 | 1.91 | 15 | 1.5 | 420 | 25 | 23.5 | 5.0 | 6 | 4.6 | 0.29 | 0.6 | 22.9 | 1 | 1240 | 65 | 430 | 0.3 |
| 99BST-122 | 355531.65 | 6086917.04 | 1.67 | 8 | 1.6 | 570 | 18 | 21.6 | 6.0 | 9 | 2.1 | 0.40 | 0.6 | 20.9 | 1 | 1780 | 25 | 230 | 0.3 |
| 99BST-123 | 357174.69 | 6086097.90 | 2.59 | 7 | 0.3 | 750 | 42 | 28.9 | 8.0 | 5 | 4.1 | 0.21 | 0.3 | 19.2 | 1 | 984 | 86 | 180 | 0.2 |
| 99BST-124-1 Field Duplicate | 362147.22 | 6090729.66 | 2.03 | 3 | 0.9 | 790 | 36 | 21.5 | 8.0 | 5 | 5.3 | 0.24 | 0.3 | 21.9 | 1 | 1140 | 25 | 340 | 0.2 |
| 99BST-124-2 Field Duplicate | 362147.22 | 6090729.66 | 2.09 | 6 | 1.2 | 850 | 58 | 20.8 | 5.0 | 8 | 11.0 | 0.22 | 0.3 | 25.4 | 1 | 1060 | 25 | 520 | 0.3 |
| 99BST-125 | 362574.30 | 6088793.60 | 2.15 | 8 | 0.3 | 1100 | 37 | 28.6 | 3.0 | 4 | 3.2 | 0.25 | 0.3 | 19.0 | 1 | 1040 | 25 | 240 | 0.3 |
| 99BST-126 | 359632.73 | 6085112.70 | 2.14 | 3 | 1.2 | 810 | 28 | 24.6 | 4.0 | 3 | 5.9 | 0.17 | 0.3 | 22.9 | 1 | 612 | 25 | 220 | 0.2 |
| 99BST-127 | 359088.91 | 6087067.02 | 2.16 | 3 | 2.0 | 510 | 43 | 22.0 | 6.0 | 8 | 5.4 | 0.25 | 0.3 | 23.1 | 1 | 1020 | 25 | 410 | 0.2 |
| 99BST-129 | 354975.32 | 6089429.73 | 2.64 | 8 | 2.4 | 370 | 14 | 26.4 | 5.0 | 27 | 2.2 | 0.80 | 1.4 | 13.7 | 3 | 4470 | 25 | 100 | 0.2 |
| 99BST-130 | 358359.43 | 6088287.11 | 2.00 | 13 | 2.0 | 950 | 21 | 31.0 | 4.0 | 9 | 19.0 | 0.39 | 0.3 | 13.2 | 1 | 1710 | 70 | 230 | 0.5 |
| 99BST-131 | 356359.18 | 6084946.56 | 1.75 | 3 | 1.2 | 720 | 24 | 20.7 | 3.0 | 5 | 0.8 | 0.21 | 0.3 | 30.2 | 1 | 904 | 74 | 140 | 0.2 |
| 99BST-132 | 352858.25 | 6086503.69 | 2.05 | 3 | 2.3 | 660 | 37 | 21.4 | 4.0 | 16 | 2.4 | 0.55 | 0.8 | 20.5 | 1 | 2890 | 25 | 180 | 0.3 |
| 99BST-133 | 350961.55 | 6085671.72 | 2.15 | 6 | 1.5 | 430 | 30 | 20.4 | 3.0 | 5 | 4.6 | 0.22 | 0.3 | 26.2 | 1 | 880 | 25 | 340 | 0.2 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 2.35 | 7 | 1.3 | 1100 | 14 | 30.5 | 8.0 | 6 | 4.0 | 0.29 | 0.3 | 17.9 | 1 | 1130 | 25 | 250 | 0.2 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 2.35 | 6 | 1.2 | 1100 | 14 | 29.5 | 7.0 | 6 | 4.3 | 0.27 | 0.6 | 18.2 | 1 | 1150 | 25 | 260 | 0.2 |
| 99BST-135 | 354883.31 | 6084079.64 | 2.03 | 3 | 1.4 | 1400 | 15 | 26.8 | 6.0 | 4 | 1.5 | 0.21 | 0.3 | 23.6 | 3 | 843 | 25 | 210 | 0.2 |
| 99BST-137 | 351850.75 | 6084320.15 | 2.52 | 6 | 1.8 | 830 | 39 | 26.3 | 3.0 | 9 | 1.5 | 0.40 | 0.3 | 22.4 | 1 | 1450 | 25 | 140 | 0.3 |
| 99BST-138 | 352071.35 | 6085574.59 | 2.05 | 6 | 2.6 | 750 | 58 | 22.7 | 4.0 | 7 | 2.8 | 0.38 | 0.6 | 24.5 | 4 | 1700 | 62 | 250 | 0.1 |
| 99BST-139 | 357564.78 | 6084160.24 | 1.99 | 8 | 0.9 | 1600 | 42 | 27.4 | 6.0 | 4 | 11.0 | 0.19 | 0.3 | 25.0 | 1 | 618 | 25 | 610 | 0.2 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-140 | 363864.01 | 6082169.82 | 1.93 | 6 | 2.3 | 710 | 29 | 29.9 | 3.0 | 6 | 1.8 | 0.31 | 0.3 | 19.0 | 1 | 1180 | 25 | 88 | 0.3 |
| 99BST-141-1 Field Duplicate | 362142.99 | 6084076.48 | 2.04 | 14 | 1.8 | 1600 | 31 | 24.2 | 7.0 | 3 | 2.2 | 0.18 | 0.3 | 26.0 | 1 | 689 | 25 | 230 | 0.2 |
| 99BST-141-2 Field Duplicate | 362142.99 | 6084076.48 | 2.29 | 3 | 1.5 | 1400 | 51 | 26.5 | 12.0 | 1 | 1.4 | 0.19 | 0.5 | 23.2 | 1 | 867 | 25 | 160 | 0.2 |
| 99BST-142 | 361255.11 | 6081288.51 | 1.65 | 3 | 2.0 | 1400 | 40 | 25.4 | 8.0 | 5 | 4.4 | 0.32 | 0.6 | 22.3 | 1 | 1380 | 69 | 320 | 0.3 |
| 99BST-143 | 362408.96 | 6082666.92 | 2.02 | 3 | 1.2 | 710 | 24 | 26.7 | 3.0 | 4 | 2.6 | 0.17 | 0.3 | 24.0 | 1 | 732 | 25 | 230 | 0.2 |
| 99BST-144 | 365789.89 | 6083994.83 | 2.26 | 7 | 2.1 | 970 | 41 | 21.4 | 5.0 | 7 | 2.0 | 0.20 | 0.3 | 27.1 | 1 | 859 | 25 | 230 | 0.2 |
| 99BST-145 | 365012.13 | 6082425.90 | 1.81 | 25 | 0.9 | 800 | 24 | 29.2 | 2.0 | 5 | 3.9 | 0.30 | 0.6 | 21.2 | 1 | 1200 | 25 | 200 | 0.3 |
| 99BST-146 | 388300.25 | 6089844.48 | 1.72 | 3 | 1.8 | 370 | 76 | 21.7 | 3.0 | 7 | 1.7 | 0.39 | 0.5 | 25.7 | 1 | 1880 | 25 | 320 | 0.3 |
| 99BST-147 | 382347.59 | 6086399.71 | 2.21 | 3 | 0.3 | 840 | 63 | 29.7 | 3.0 | 5 | 5.5 | 0.26 | 0.3 | 20.4 | 5 | 1060 | 25 | 270 | 0.5 |
| 99BST-148 | 373091.61 | 6084449.15 | 1.94 | 3 | 1.1 | 540 | 40 | 23.0 | 8.0 | 4 | 3.6 | 0.16 | 0.3 | 19.6 | 1 | 746 | 25 | 310 | 0.2 |
| 99BST-149 | 370525.75 | 6084197.53 | 1.98 | 9 | 1.3 | 510 | 28 | 26.6 | 4.0 | 5 | 1.2 | 0.24 | 0.3 | 15.6 | 1 | 1220 | 25 | 120 | 0.2 |
| 99BST-150 | 378340.48 | 6088920.71 | 1.66 | 3 | 1.8 | 240 | 64 | 16.7 | 6.0 | 6 | 4.7 | 0.35 | 0.3 | 20.9 | 1 | 1520 | 78 | 430 | 0.3 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 2.00 | 3 | 1.3 | 730 | 35 | 21.4 | 4.0 | 5 | 2.3 | 0.27 | 0.3 | 21.1 | 1 | 1060 | 25 | 260 | 0.2 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 2.00 | 3 | 1.2 | 680 | 36 | 20.6 | 5.0 | 5 | 1.8 | 0.27 | 0.3 | 20.7 | 1 | 1050 | 25 | 250 | 0.2 |
| 99BST-152 | 375414.93 | 6088856.96 | 1.73 | 3 | 2.3 | 300 | 36 | 20.9 | 5.0 | 7 | 4.9 | 0.41 | 0.3 | 20.8 | 1 | 1570 | 98 | 320 | 0.3 |
| 99BST-153 | 375984.68 | 6087777.88 | 1.64 | 3 | 2.9 | 590 | 30 | 22.6 | 4.0 | 10 | 6.6 | 0.37 | 0.6 | 17.2 | 1 | 2030 | 60 | 210 | 0.4 |
| 99BST-154 | 376668.36 | 6087121.26 | 2.09 | 6 | 2.0 | 940 | 43 | 22.7 | 5.0 | 7 | 3.2 | 0.28 | 0.3 | 20.6 | 1 | 1360 | 25 | 230 | 0.2 |
| 99BST-155 | 375877.60 | 6086516.58 | 1.94 | 23 | 1.6 | 920 | 34 | 22.6 | 4.0 | 4 | 5.3 | 0.21 | 0.3 | 17.6 | 1 | 999 | 25 | 380 | 0.2 |
| 99BST-156 | 373995.52 | 6086125.05 | 2.27 | 3 | 0.6 | 840 | 36 | 23.1 | 6.0 | 4 | 10.0 | 0.17 | 0.3 | 17.6 | 1 | 714 | 25 | 440 | 0.3 |
| 99BST-157 | 372027.71 | 6087027.04 | 1.75 | 3 | 2.1 | 640 | 24 | 23.5 | 6.0 | 7 | 7.7 | 0.25 | 0.3 | 19.8 | 1 | 1080 | 25 | 530 | 0.4 |
| 99BST-201 | 371334.99 | 6079065.23 | 1.88 | 9 | 0.9 | 1200 | 28 | 25.2 | 7.0 | 4 | 6.5 | 0.19 | 0.3 | 16.8 | 1 | 1400 | 25 | 320 | 0.6 |
| 99BST-202 | 370612.18 | 6078749.88 | 2.23 | 3 | 1.2 | 920 | 36 | 26.6 | 8.0 | 2 | 5.4 | 0.13 | 0.3 | 17.4 | 1 | 682 | 25 | 300 | 0.3 |
| 99BST-203 | 369733.49 | 6079116.31 | 1.74 | 11 | 2.3 | 1300 | 30 | 24.3 | 7.0 | 5 | 8.1 | 0.28 | 0.3 | 15.8 | 1 | 1790 | 25 | 310 | 0.5 |
| 99BST-204 | 368745.75 | 6078704.52 | 1.96 | 3 | 1.1 | 700 | 35 | 27.8 | 5.0 | 5 | 3.0 | 0.18 | 0.3 | 15.7 | 1 | 1060 | 25 | 260 | 0.3 |
| 99BST-205 | 367736.72 | 6078107.25 | 1.86 | 3 | 1.9 | 1700 | 25 | 29.8 | 4.0 | 7 | 2.7 | 0.28 | 0.6 | 14.7 | 1 | 1760 | 25 | 150 | 0.3 |
| 99BST-206 | 366185.42 | 6077629.58 | 1.79 | 5 | 2.3 | 1200 | 17 | 23.7 | 5.0 | 5 | 1.1 | 0.23 | 0.3 | 16.8 | 1 | 1050 | 25 | 94 | 0.2 |
| 99BST-207 | 370205.14 | 6080422.95 | 2.05 | 3 | 1.6 | 1900 | 22 | 25.0 | 17.0 | 4 | 1.1 | 0.25 | 0.3 | 18.0 | 1 | 1190 | 25 | 230 | 0.5 |
| 99BST-208 | 365599.84 | 6076900.47 | 1.82 | 21 | 1.0 | 750 | 27 | 24.0 | 6.0 | 6 | 2.2 | 0.24 | 0.3 | 19.8 | 1 | 1440 | 25 | 170 | 0.3 |
| 99BST-209 | 367275.47 | 6079004.52 | 1.91 | 8 | 1.3 | 1100 | 24 | 21.6 | 37.0 | 3 | 1.9 | 0.25 | 0.3 | 20.7 | 1 | 1150 | 25 | 300 | 0.3 |
| 99BST-210 | 367991.68 | 6079460.20 | 2.06 | 11 | 1.2 | 1300 | 21 | 24.6 | 12.0 | 1 | 1.3 | 0.16 | 0.3 | 20.3 | 1 | 784 | 25 | 89 | 0.2 |
| 99BST-211 | 368856.57 | 6080449.74 | 1.83 | 3 | 1.8 | 380 | 25 | 25.7 | 7.0 | 4 | 1.7 | 0.28 | 0.3 | 19.1 | 1 | 1380 | 25 | 160 | 0.2 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.97 | 10 | 1.6 | 1100 | 38 | 22.7 | 14.0 | 1 | 2.2 | 0.22 | 0.3 | 21.8 | 1 | 1850 | 120 | 260 | 0.2 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.97 | 7 | 1.5 | 1100 | 36 | 23.5 | 14.0 | 5 | 1.5 | 0.20 | 0.3 | 20.3 | 1 | 1780 | 25 | 280 | 0.2 |
| 99BST-213 | 365183.13 | 6079542.10 | 2.00 | 18 | 1.1 | 1300 | 30 | 26.3 | 6.0 | 1 | 0.5 | 0.21 | 0.3 | 20.5 | 1 | 2950 | 25 | 110 | 0.3 |
| 99BST-214 | 360603.87 | 6076390.98 | 2.00 | 17 | 1.2 | 310 | 13 | 27.9 | 3.0 | 7 | 0.8 | 0.29 | 0.7 | 14.8 | 3 | 1420 | 25 | 48 | 0.3 |
| 99BST-215 | 360976.40 | 6074963.41 | 1.93 | 9 | 2.2 | 530 | 24 | 26.7 | 7.0 | 11 | 3.5 | 0.40 | 0.3 | 15.9 | 1 | 1920 | 25 | 210 | 0.4 |
| 99BST-216 | 360316.32 | 6077803.64 | 1.95 | 7 | 2.2 | 1400 | 30 | 24.9 | 4.0 | 5 | 1.8 | 0.24 | 0.6 | 19.9 | 1 | 1590 | 25 | 140 | 0.3 |
| 99BST-217 | 359631.41 | 6079022.59 | 2.00 | 6 | 1.5 | 1400 | 15 | 24.7 | 6.0 | 3 | 0.9 | 0.23 | 0.3 | 16.2 | 1 | 1160 | 86 | 73 | 0.2 |
| 99BST-218 | 363444.79 | 6074383.10 | 2.05 | 19 | 1.7 | 710 | 22 | 26.2 | 9.0 | 4 | 42.0 | 0.16 | 0.3 | 18.8 | 1 | 1130 | 25 | 330 | 0.9 |
| 99BST-219-1 Field Duplicate | 367825.77 | 6068425.98 | 2.04 | 13 | 2.1 | 970 | 56 | 25.2 | 7.0 | 7 | 2.5 | 0.27 | 0.3 | 18.0 | 1 | 1180 | 25 | 280 | 0.4 |
| 99BST-219-2 Field Duplicate | 367825.77 | 6068425.98 | 1.89 | 40 | 1.7 | 910 | 22 | 22.1 | 6.0 | 7 | 0.8 | 0.24 | 0.3 | 19.1 | 1 | 1820 | 100 | 160 | 0.3 |
| 99BST-220 | 368431.98 | 6067452.60 | 1.70 | 6 | 2.5 | 850 | 23 | 26.1 | 5.0 | 7 | 2.8 | 0.34 | 0.5 | 16.2 | 4 | 1690 | 90 | 120 | 0.3 |
| 99BST-221 | 360246.41 | 6081552.52 | 1.97 | 9 | 1.1 | 690 | 21 | 25.1 | 5.0 | 7 | 4.5 | 0.22 | 0.3 | 18.7 | 1 | 1340 | 70 | 380 | 0.4 |
| 99BST-222 | 356447.39 | 6083211.54 | 2.06 | 9 | 2.6 | 1000 | 13 | 29.1 | 3.0 | 10 | 0.8 | 0.38 | 0.6 | 12.0 | 1 | 2670 | 25 | 90 | 0.3 |
| 99BST-223 | 355505.67 | 6083205.01 | 2.45 | 3 | 1.1 | 610 | 12 | 24.2 | 4.0 | 6 | 2.7 | 0.22 | 0.3 | 17.7 | 1 | 958 | 25 | 190 | 0.2 |
| 99BST-224 | 350117.78 | 6081716.84 | 2.05 | 3 | 2.2 | 820 | 32 | 25.2 | 16.0 | 8 | 3.7 | 0.34 | 0.7 | 19.1 | 1 | 1970 | 82 | 340 | 0.3 |
| 99BST-226 | 354277.47 | 6083205.79 | 1.74 | 14 | 2.3 | 410 | 40 | 21.8 | 8.0 | 8 | 5.5 | 0.33 | 0.3 | 20.9 | 1 | 1710 | 25 | 310 | 0.4 |
| 99BST-227 | 355381.59 | 6075600.60 | 1.98 | 5 | 1.9 | 840 | 32 | 21.3 | 6.0 | 6 | 2.2 | 0.23 | 0.3 | 18.9 | 4 | 1240 | 25 | 300 | 0.2 |
| 99BST-228 | 353986.25 | 6074843.74 | 1.87 | 3 | 1.2 | 690 | 20 | 21.7 | 12.0 | 6 | 1.3 | 0.26 | 0.5 | 21.3 | 1 | 1390 | 25 | 160 | 0.3 |
| 99BST-229 | 353511.14 | 6076295.59 | 2.04 | 5 | 1.7 | 1000 | 15 | 26.3 | 4.0 | 6 | 0.9 | 0.22 | 0.3 | 16.9 | 1 | 1580 | 25 | 110 | 0.3 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 2.49 | 12 | 2.1 | 640 | 34 | 25.7 | 7.0 | 8 | 1.9 | 0.35 | 0.3 | 16.9 | 1 | 2770 | 25 | 120 | 0.5 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.73 | 19 | 2.8 | 710 | 36 | 26.4 | 7.0 | 6 | 1.8 | 0.37 | 0.3 | 18.2 | 1 | 3110 | 25 | 120 | 0.6 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.73 | 38 | 1.5 | 560 | 48 | 18.1 | 7.0 | 6 | 1.3 | 0.35 | 0.8 | 20.2 | 1 | 3960 | 25 | 210 | 0.5 |
| 99BST-231 | 352016.78 | 6076101.86 | 1.96 | 14 | 1.1 | 600 | 17 | 24.8 | 10.0 | 4 | 1.6 | 0.24 | 0.3 | 15.6 | 1 | 1060 | 130 | 220 | 0.3 |
| 99BST-232 | 353290.64 | 6078687.59 | 1.83 | 33 | 1.5 | 530 | 22 | 23.4 | 5.0 | 7 | 1.7 | 0.26 | 0.3 | 18.9 | 1 | 1240 | 25 | 170 | 0.3 |
| 99BST-233 | 353080.39 | 6072997.78 | 2.17 | 3 | 0.3 | 660 | 21 | 26.0 | 4.0 | 10 | 1.8 | 0.35 | 0.5 | 17.1 | 1 | 1520 | 25 | 160 | 0.3 |
| 99BST-234 | 352085.67 | 6071913.45 | 1.88 | 26 | 2.2 | 1100 | 18 | 21.5 | 12.0 | 9 | 1.5 | 0.40 | 0.8 | 17.7 | 1 | 4010 | 25 | 190 | 0.3 |
| 99BST-235 | 352971.33 | 6071021.91 | 2.18 | 5 | 1.0 | 790 | 25 | 25.8 | 4.0 | 7 | 1.6 | 0.31 | 0.3 | 18.1 | 1 | 1130 | 110 | 110 | 0.3 |
| 99BST-236 | 375222.72 | 6068829.48 | 2.03 | 6 | 0.3 | 3000 | 31 | 20.3 | 13.0 | 7 | 3.7 | 0.35 | 0.7 | 20.2 | 1 | 1850 | 75 | 240 | 0.4 |
| 99BST-237 | 373322.15 | 6067669.32 | 1.71 | 3 | 2.8 | 1500 | 43 | 20.1 | 23.0 | 14 | 1.1 | 0.34 | 0.3 | 19.9 | 1 | 1460 | 110 | 120 | 0.4 |
| 99BST-238 | 372452.18 | 6069244.38 | 1.96 | 5 | 2.1 | 1300 | 17 | 23.8 | 11.0 | 7 | 5.3 | 0.23 | 0.6 | 18.0 | 1 | 1200 | 60 | 360 | 0.3 |
| 99BST-239 | 368922.50 | 6069508.74 | 2.43 | 3 | 2.1 | 1200 | 35 | 19.5 | 13.0 | 6 | 2.1 | 0.34 | 0.3 | 16.7 | 1 | 1800 | 65 | 190 | 0.3 |
| 99BST-240 | 370909.02 | 6070515.51 | 1.94 | 11 | 0.8 | 870 | 19 | 22.8 | 5.0 | 1 | 5.0 | 0.22 | 0.3 | 18.2 | 1 | 1390 | 91 | 310 | 0.2 |
| 99BST-241 | 372758.61 | 6071129.61 | 1.92 | 5 | 2.5 | 1500 | 34 | 16.7 | 12.0 | 6 | 4.2 | 0.18 | 0.6 | 21.3 | 1 | 783 | 120 | 310 | 0.3 |
| 99BST-242 | 370633.94 | 6066046.81 | 1.68 | 3 | 1.8 | 740 | 45 | 15.1 | 9.0 | 3 | 4.2 | 0.25 | 0.3 | 24.9 | 1 | 817 | 77 | 370 | 0.3 |
| 99BST-243 | 373883.08 | 6066058.33 | 2.13 | 3 | 1.5 | 700 | 16 | 17.4 | 8.0 | 3 | 4.5 | 0.14 | 0.3 | 24.2 | 1 | 587 | 25 | 390 | 0.2 |
| 99BST-244 | 374717.33 | 6075559.23 | 2.23 | 40 | 0.3 | 990 | 31 | 20.2 | 6.0 | 8 | 2.3 | 0.17 | 0.3 | 21.8 | 1 | 840 | 71 | 150 | 0.2 |
| 99BST-245 | 373013.86 | 6074903.92 | 1.85 | 3 | 2.5 | 590 | 62 | 16.2 | 10.0 | 4 | 2.7 | 0.21 | 0.3 | 22.2 | 1 | 1010 | 82 | 220 | 0.1 |
| 99BST-246 | 375209.93 | 6072610.07 | 2.01 | 5 | 5.1 | 510 | 16 | 19.6 | 3.0 | 8 | 2.2 | 0.25 | 0.3 | 18.7 | 1 | 1040 | 25 | 250 | 0.3 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 2.47 | 3 | 0.3 | 890 | 20 | 21.9 | 14.0 | 7 | 0.8 | 0.19 | 0.3 | 16.3 | 1 | 652 | 25 | 170 | 0.1 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 2.47 | 5 | 1.1 | 900 | 23 | 22.3 | 13.0 | 1 | 1.0 | 0.16 | 0.3 | 16.8 | 1 | 666 | 99 | 160 | 0.2 |
| 99BST-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1.84 | 15 | 1.4 | 750 | 16 | 20.8 | 6.0 | 5 | 0.6 | 0.25 | 0.3 | 23.2 | 1 | 1400 | 25 | 180 | 0.2 |
| 99BST-248-2 Field Duplicate | 366434.90 | 6080165.02 | 1.73 | 6 | 1.4 | 730 | 16 | 22.4 | 5.0 | 5 | 0.6 | 0.20 | 0.3 | 20.8 | 1 | 1070 | 25 | 170 | 0.3 |
| 99BST-249 | 365625.09 | 6080983.27 | 2.05 | 3 | 1.6 | 770 | 21 | 25.8 | 12.0 | 6 | 1.0 | 0.22 | 0.3 | 15.7 | 1 | 1240 | 25 | 95 | 0.2 |
| 99BST-251 | 369454.61 | 6077674.80 | 1.65 | 30 | 1.1 | 1100 | 33 | 20.7 | 6.0 | 5 | 1.6 | 0.25 | 0.6 | 21.1 | 1 | 4950 | 25 | 190 | 0.5 |
| 99BST-252 | 370212.70 | 6077226.07 | 2.16 | 3 | 1.8 | 1100 | 18 | 21.7 | 7.0 | 7 | 1.2 | 0.26 | 0.3 | 22.5 | 1 | 1460 | 25 | 200 | 0.3 |
| 99BST-253 | 369727.62 | 6076391.19 | 1.91 | 14 | 2.5 | 470 | 23 | 19.8 | 4.0 | 7 | 2.1 | 0.30 | 0.3 | 23.0 | 1 | 1760 | 25 | 260 | 0.2 |
| 99BST-254 | 369294.01 | 6075027.52 | 2.03 | 3 | 2.3 | 850 | 35 | 20.7 | 7.0 | 6 | 1.2 | 0.33 | 0.3 | 21.8 | 5 | 1650 | 25 | 210 | 0.3 |
| 99BST-255 | 369082.74 | 6074188.19 | 1.86 | 15 | 2.4 | 610 | 49 | 25.5 | 14.0 | 7 | 1.7 | 0.29 | 0.3 | 28.9 | 1 | 2260 | 180 | 240 | 0.2 |
| 99BST-256 | 372073.59 | 6075860.94 | 2.02 | 21 | 1.9 | 1000 | 56 | 23.1 | 7.0 | 5 | 2.7 | 0.16 | 0.3 | 25.3 | 1 | 788 | 25 | 170 | 0.4 |
| 99BST-257 | 370578.92 | 6075052.05 | 2.06 | 3 | 1.7 | 600 | 22 | 31.2 | 7.0 | 5 | 3.3 | 0.24 | 0.3 | 13.8 | 1 | 1050 | 25 | 200 | 0.3 |
| 99BST-258 | 368572.08 | 6072950.08 | 1.97 | 3 | 0.9 | 960 | 26 | 25.3 | 10.0 | 5 | 3.2 | 0.22 | 0.3 | 21.1 | 1 | 878 | 25 | 280 | 0.3 |
| 99BST-259 | 367901.42 | 6074827.37 | 1.86 | 8 | 0.3 | 2500 | 31 | 26.9 | 8.0 | 5 | 2.0 | 0.22 | 0.6 | 20.3 | 1 | 1700 | 25 | 230 | 0.4 |
| 99BST-260 | 359223.52 | 6069883.78 | 1.79 | 3 | 1.3 | 860 | 38 | 21.6 | 8.0 | 6 | 3.1 | 0.30 | 0.3 | 19.9 | 1 | 1200 | 80 | 250 | 0.5 |
| 99BST-261 | 360063.93 | 6069315.74 | 1.96 | 3 | 2.0 | 610 | 36 | 20.1 | 12.0 | 11 | 4.6 | 0.31 | 0.3 | 25.0 | 1 | 1130 | 25 | 710 | 0.4 |
| 99BST-262 | 355969.59 | 6070935.17 | 1.97 | 3 | 1.6 | 610 | 32 | 26.9 | 4.0 | 9 | 2.4 | 0.39 | 0.5 | 16.5 | 6 | 1530 | 25 | 170 | 0.3 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 2.20 | 3 | 0.9 | 650 | 26 | 26.4 | 5.0 | 4 | 1.2 | 0.17 | 0.3 | 20.9 | 1 | 720 | 25 | 200 | 0.2 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 2.20 | 3 | 0.8 | 720 | 28 | 26.5 | 3.0 | 3 | 1.1 | 0.17 | 0.3 | 21.0 | 1 | 657 | 25 | 210 | 0.3 |
| 99BST-264 | 360989.77 | 6069149.40 | 1.87 | 3 | 2.2 | 780 | 30 | 21.0 | 5.0 | 7 | 9.6 | 0.47 | 0.3 | 20.9 | 1 | 1880 | 25 | 370 | 0.4 |
| 99BST-265 | 361329.67 | 6072980.83 | 1.74 | 3 | 1.1 | 470 | 27 | 21.4 | 5.0 | 6 | 4.1 | 0.24 | 0.3 | 20.6 | 1 | 1520 | 25 | 210 | 0.5 |
| 99BST-266 | 363559.03 | 6071022.97 | 1.81 | 3 | 1.9 | 340 | 16 | 24.1 | 3.0 | 8 | 2.1 | 0.31 | 0.6 | 19.9 | 1 | 1280 | 25 | 220 | 0.3 |
| 99BST-267 | 377020.28 | 6069882.33 | 2.08 | 3 | 1.4 | 880 | 47 | 21.5 | 7.0 | 5 | 2.0 | 0.21 | 0.3 | 24.1 | 1 | 869 | 25 | 270 | 0.3 |
| 99BST-268 | 379044.14 | 6070599.95 | 1.78 | 12 | 2.3 | 1500 | 37 | 22.4 | 5.0 | 7 | 18.0 | 0.28 | 0.7 | 20.6 | 1 | 1390 | 78 | 550 | 0.6 |
| 99BST-269 | 376364.81 | 6071760.41 | 2.02 | 10 | 2.2 | 540 | 33 | 25.3 | 3.0 | 7 | 4.7 | 0.22 | 0.6 | 18.6 | 1 | 1840 | 70 | 310 | 0.3 |
| 99BST-270 | 377781.24 | 6066042.44 | 2.36 | 3 | 1.3 | 900 | 25 | 26.2 | 11.0 | 6 | 3.3 | 0.14 | 0.3 | 18.4 | 1 | 562 | 25 | 330 | 0.2 |
| 99BST-271 | 383858.83 | 6067703.50 | 1.94 | 3 | 2.8 | 790 | 31 | 22.6 | 3.0 | 7 | 2.8 | 0.32 | 0.6 | 20.6 | 1 | 1480 | 25 | 300 | 0.5 |
| 99BST-272 | 384102.61 | 6068885.27 | 1.92 | 3 | 4.1 | 490 | 35 | 17.0 | 3.0 | 5 | 4.6 | 0.17 | 0.3 | 25.9 | 1 | 1170 | 25 | 490 | 0.3 |
| 99BST-273 | 380547.15 | 6070612.20 | 1.73 | 12 | 4.1 | 660 | 26 | 20.0 | 3.0 | 6 | 6.4 | 0.20 | 0.3 | 27.7 | 1 | 1520 | 25 | 570 | 0.4 |
| 99BST-274 | 382955.22 | 6071800.72 | 1.92 | 6 | 3.1 | 1000 | 52 | 21.2 | 4.0 | 7 | 18.0 | 0.37 | 0.8 | 21.1 | 1 | 1950 | 25 | 420 | 0.7 |
| 99BST-275 | 381967.41 | 6070087.68 | 1.82 | 3 | 1.9 | 460 | 32 | 17.9 | 3.0 | 9 | 1.3 | 0.22 | 0.8 | 21.7 | 1 | 1570 | 25 | 230 | 0.2 |
| 99BST-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1.87 | 3 | 2.9 | 840 | 19 | 25.4 | 3.0 | 5 | 4.6 | 0.26 | 0.7 | 17.2 | 1 | 1190 | 25 | 330 | 0.3 |
| 99BST-276-2 Field Duplicate | 385148.66 | 6077248.38 | 1.97 | 3 | 3.9 | 760 | 19 | 30.0 | 3.0 | 8 | 1.4 | 0.33 | 0.8 | 15.7 | 1 | 1300 | 25 | 190 | 0.7 |
| 99BST-277 | 386690.16 | 6081682.14 | 1.95 | 3 | 2.9 | 780 | 17 | 24.9 | 3.0 | 5 | 2.0 | 0.38 | 1.2 | 15.8 | 4 | 1580 | 25 | 210 | 0.4 |
| 99BST-278 | 388023.91 | 6080577.61 | 2.02 | 3 | 1.9 | 680 | 21 | 23.9 | 2.0 | 5 | 1.5 | 0.29 | 0.7 | 17.9 | 1 | 1280 | 25 | 160 | 0.2 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-279 Analytical Duplicate | 376310.70 | 6077007.87 | 2.17 | 7 | 2.0 | 910 | 34 | 25.1 | 3.0 | 9 | 1.1 | 0.31 | 0.8 | 19.2 | 1 | 1490 | 25 | 110 | 0.3 |
| 99BST-279 Analytical Duplicate | 376310.70 | 6077007.87 | 2.17 | 6 | 2.0 | 970 | 33 | 23.5 | 3.0 | 4 | 1.0 | 0.31 | 1.1 | 18.0 | 1 | 1360 | 73 | 110 | 0.3 |
| 99BST-280 | 384159.38 | 6073682.24 | 1.68 | 8 | 2.2 | 640 | 42 | 21.3 | 2.0 | 5 | 1.9 | 0.23 | 0.3 | 33.4 | 1 | 1210 | 25 | 340 | 0.3 |
| 99BST-281 | 379124.40 | 6067728.11 | 1.87 | 9 | 1.4 | 1000 | 18 | 27.8 | 3.0 | 6 | 28.0 | 0.20 | 0.6 | 17.8 | 1 | 1210 | 25 | 750 | 0.6 |
| 99BST-282-1 Field Duplicate | 382727.20 | 6079909.30 | 1.81 | 9 | 2.1 | 980 | 27 | 25.2 | 4.0 | 10 | 2.4 | 0.39 | 0.6 | 21.6 | 1 | 1600 | 25 | 230 | 0.5 |
| 99BST-282-2 Field Duplicate | 382727.20 | 6079909.30 | 1.62 | 5 | 1.6 | 1100 | 21 | 18.8 | 7.0 | 6 | 7.9 | 0.22 | 0.7 | 23.1 | 1 | 1290 | 100 | 440 | 0.4 |
| 99BST-283 | 382282.71 | 6077714.41 | 1.97 | 6 | 2.5 | 930 | 31 | 25.9 | 3.0 | 6 | 2.3 | 0.35 | 0.7 | 17.5 | 1 | 1870 | 25 | 250 | 0.4 |
| 99BST-284 | 383840.14 | 6075866.88 | 1.72 | 56 | 3.0 | 330 | 45 | 19.4 | 3.0 | 5 | 5.5 | 0.35 | 0.3 | 23.6 | 1 | 1800 | 25 | 310 | 0.5 |
| 99BST-285 | 382958.94 | 6074543.38 | 1.57 | 3 | 1.9 | 880 | 35 | 20.8 | 5.0 | 9 | 2.8 | 0.35 | 0.3 | 23.4 | 4 | 1530 | 25 | 140 | 0.4 |
| 99BST-287 | 385938.09 | 6072538.35 | 2.12 | 45 | 1.5 | 490 | 19 | 25.7 | 3.0 | 8 | 12.0 | 0.27 | 0.6 | 18.9 | 1 | 1900 | 25 | 490 | 0.6 |
| 99BST-288 | 384706.93 | 6071638.97 | 1.93 | 6 | 1.4 | 660 | 19 | 23.6 | 3.0 | 4 | 5.1 | 0.20 | 0.3 | 24.0 | 1 | 1040 | 25 | 490 | 0.4 |
| 99BST-289 | 384447.42 | 6070035.32 | 1.79 | 6 | 1.8 | 630 | 25 | 21.6 | 3.0 | 5 | 7.2 | 0.23 | 0.7 | 24.2 | 1 | 1290 | 85 | 400 | 0.4 |
| 99BST-290 | 385875.21 | 6070091.77 | 2.00 | 7 | 1.4 | 700 | 26 | 23.6 | 4.0 | 6 | 2.2 | 0.27 | 0.3 | 22.1 | 1 | 1670 | 25 | 300 | 0.3 |
| 99BST-291 | 386749.94 | 6071142.51 | 1.81 | 5 | 2.1 | 720 | 24 | 22.4 | 3.0 | 7 | 5.4 | 0.35 | 0.3 | 23.6 | 1 | 1640 | 25 | 400 | 0.4 |
| 99BST-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1.80 | 5 | 2.0 | 960 | 36 | 22.0 | 4.0 | 7 | 4.0 | 0.26 | 0.6 | 27.3 | 1 | 1160 | 25 | 340 | 0.4 |
| 99BST-292-2 Field Duplicate | 372658.22 | 6079359.51 | 2.14 | 3 | 1.5 | 1200 | 45 | 21.9 | 9.0 | 4 | 5.3 | 0.19 | 0.3 | 23.7 | 1 | 769 | 99 | 460 | 0.3 |
| 99BST-293 | 373332.21 | 6078856.12 | 1.86 | 24 | 1.5 | 570 | 34 | 21.2 | 6.0 | 4 | 5.8 | 0.26 | 0.3 | 24.6 | 1 | 1500 | 25 | 390 | 0.3 |
| 99BST-294 | 374312.89 | 6078921.40 | 2.29 | 7 | 2.7 | 2200 | 45 | 19.7 | 8.0 | 5 | 8.9 | 0.24 | 0.9 | 31.8 | 1 | 1180 | 89 | 620 | 0.6 |
| 99BST-295 | 375182.62 | 6078624.03 | 2.05 | 6 | 1.1 | 1700 | 38 | 19.2 | 6.0 | 4 | 7.7 | 0.17 | 0.6 | 29.1 | 4 | 713 | 25 | 490 | 0.3 |
| 99BST-296 | 376386.81 | 6078570.83 | 1.89 | 3 | 2.6 | 1000 | 18 | 23.5 | 4.0 | 8 | 1.7 | 0.38 | 0.5 | 21.3 | 1 | 2070 | 25 | 250 | 0.4 |
| 99BST-297 | 377606.00 | 6078057.09 | 2.10 | 3 | 1.5 | 730 | 26 | 23.1 | 3.0 | 6 | 1.6 | 0.31 | 0.3 | 23.9 | 1 | 1470 | 25 | 290 | 0.2 |
| 99BST-298 | 377794.68 | 6079094.31 | 2.16 | 3 | 1.8 | 1200 | 25 | 20.3 | 5.0 | 9 | 2.1 | 0.44 | 1.2 | 25.7 | 1 | 2880 | 25 | 310 | 0.2 |
| 99BST-300 | 383601.49 | 6081754.27 | 2.21 | 3 | 1.5 | 1800 | 28 | 23.2 | 2.0 | 3 | 2.4 | 0.16 | 0.3 | 24.5 | 1 | 803 | 25 | 370 | 0.3 |
| 99BST-301 | 382264.75 | 6081807.41 | 2.28 | 3 | 1.2 | 820 | 24 | 22.8 | 6.0 | 5 | 3.1 | 0.13 | 0.3 | 23.9 | 1 | 536 | 25 | 370 | 0.1 |
| 99BST-302-1 Field Duplicate | 381825.16 | 6080640.92 | 2.27 | 3 | 2.1 | 830 | 23 | 28.3 | 4.0 | 9 | 4.1 | 0.28 | 0.5 | 18.6 | 1 | 1290 | 25 | 250 | 0.4 |
| 99BST-302-2 Field Duplicate | 381825.16 | 6080640.92 | 2.27 | 6 | 1.8 | 840 | 24 | 27.9 | 4.0 | 7 | 3.5 | 0.27 | 0.5 | 18.2 | 1 | 1250 | 25 | 250 | 0.4 |
| 99BST-303 | 381419.93 | 6079292.48 | 1.67 | 6 | 2.7 | 750 | 39 | 23.1 | 13.0 | 9 | 3.3 | 0.31 | 0.3 | 25.8 | 1 | 1110 | 160 | 400 | 0.4 |
| 99BST-304 | 379828.87 | 6079816.74 | 2.18 | 20 | 3.0 | 1800 | 26 | 24.3 | 8.0 | 7 | 14.0 | 0.26 | 0.3 | 17.2 | 1 | 1280 | 86 | 620 | 0.5 |
| 99BST-305 | 373257.01 | 6080611.99 | 2.28 | 11 | 2.4 | 2800 | 15 | 26.7 | 12.0 | 4 | 11.0 | 0.22 | 0.3 | 22.1 | 1 | 1220 | 25 | 550 | 0.4 |
| 99BST-307 | 376118.15 | 6080021.19 | 1.65 | 16 | 3.2 | 670 | 16 | 20.5 | 3.0 | 5 | 2.0 | 0.21 | 0.3 | 25.5 | 1 | 2210 | 25 | 240 | 0.2 |
| 99BST-308 | 378593.33 | 6079122.68 | 2.06 | 7 | 2.6 | 1700 | 35 | 22.3 | 15.0 | 6 | 4.7 | 0.34 | 0.3 | 27.3 | 1 | 1460 | 25 | 420 | 0.5 |
| 99BST-309 | 379412.18 | 6081620.51 | 1.85 | 3 | 0.9 | 650 | 25 | 18.9 | 3.0 | 3 | 6.9 | 0.14 | 0.3 | 29.0 | 1 | 634 | 25 | 680 | 0.3 |
| 99BST-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1.85 | 6 | 1.2 | 1600 | 49 | 21.5 | 10.0 | 8 | 25.0 | 0.21 | 0.3 | 23.5 | 1 | 769 | 120 | 790 | 0.6 |
| 99BST-314-2 Field Duplicate | 380441.27 | 6077362.52 | 2.15 | 3 | 1.2 | 770 | 40 | 22.2 | 8.0 | 4 | 13.0 | 0.18 | 0.3 | 21.6 | 1 | 893 | 25 | 680 | 0.6 |
| 99BST-315 | 379424.91 | 6076667.36 | 1.90 | 7 | 3.0 | 1500 | 46 | 23.8 | 9.0 | 9 | 1.8 | 0.23 | 1.0 | 21.4 | 1 | 1210 | 56 | 140 | 0.3 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 2.31 | 6 | 3.5 | 780 | 46 | 25.1 | 4.0 | 7 | 3.2 | 0.32 | 0.6 | 25.7 | 1 | 1520 | 25 | 280 | 0.4 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 2.31 | 3 | 3.1 | 790 | 43 | 22.5 | 3.0 | 6 | 2.8 | 0.29 | 0.7 | 22.3 | 1 | 1500 | 25 | 260 | 0.3 |
| 99BST-317 | 378975.05 | 6075002.82 | 1.93 | 3 | 2.2 | 280 | 29 | 24.4 | 3.0 | 4 | 3.7 | 0.28 | 0.6 | 18.0 | 1 | 1070 | 25 | 280 | 0.3 |
| 99BST-318 | 374081.75 | 6076384.00 | 2.00 | 3 | 2.5 | 1400 | 15 | 24.0 | 4.0 | 6 | 1.3 | 0.24 | 0.3 | 23.6 | 1 | 1040 | 74 | 96 | 0.2 |
| 99BST-319 | 377992.28 | 6071532.08 | 1.84 | 8 | 2.2 | 730 | 27 | 22.6 | 4.0 | 4 | 16.0 | 0.23 | 0.3 | 22.4 | 1 | 842 | 25 | 830 | 0.5 |
| 99BST-320 | 378032.77 | 6073502.62 | 1.90 | 15 | 2.3 | 620 | 26 | 20.7 | 3.0 | 4 | 3.6 | 0.19 | 0.3 | 25.1 | 1 | 762 | 25 | 440 | 0.3 |
| 99BST-321 | 376343.39 | 6073660.05 | 1.92 | 8 | 2.7 | 1200 | 31 | 23.5 | 3.0 | 4 | 2.7 | 0.26 | 0.6 | 23.8 | 1 | 954 | 25 | 370 | 0.2 |
| 99BST-322 | 376788.52 | 6076148.06 | 1.89 | 3 | 2.1 | 1700 | 42 | 22.5 | 6.0 | 13 | 2.2 | 0.38 | 1.2 | 22.5 | 1 | 1540 | 94 | 250 | 0.3 |
| 99BST-323 | 374135.50 | 6077562.68 | 1.74 | 13 | 2.0 | 740 | 44 | 17.6 | 9.0 | 8 | 1.5 | 0.32 | 0.3 | 32.0 | 1 | 1260 | 25 | 260 | 0.4 |
| 99BST-324 | 371909.21 | 6077077.66 | 1.97 | 5 | 1.9 | 620 | 26 | 23.0 | 3.0 | 4 | 14.0 | 0.19 | 0.3 | 19.7 | 1 | 1020 | 25 | 320 | 0.4 |
| 99BST-325 | 371394.88 | 6077468.54 | 1.91 | 3 | 2.2 | 1100 | 18 | 24.2 | 3.0 | 7 | 0.6 | 0.32 | 0.3 | 15.2 | 1 | 1400 | 25 | 56 | 0.2 |
| 99BST-326 | 367010.80 | 6076322.95 | 1.93 | 8 | 1.6 | 1300 | 35 | 24.9 | 5.0 | 6 | 6.1 | 0.27 | 0.3 | 18.2 | 1 | 1500 | 25 | 220 | 1.1 |
| 99BST-327 | 365544.89 | 6075097.76 | 1.82 | 3 | 1.9 | 1400 | 28 | 20.9 | 7.0 | 6 | 0.8 | 0.29 | 0.3 | 24.2 | 1 | 1150 | 80 | 140 | 0.4 |
| 99BST-328 | 366630.37 | 6073449.41 | 2.15 | 5 | 1.6 | 600 | 20 | 21.9 | 3.0 | 8 | 1.5 | 0.13 | 0.3 | 23.9 | 1 | 1150 | 56 | 180 | 0.3 |
| 99BST-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1.83 | 3 | 2.1 | 600 | 42 | 19.6 | 9.0 | 9 | 3.0 | 0.30 | 0.3 | 23.6 | 1 | 1290 | 85 | 380 | 0.3 |
| 99BST-329-2 Field Duplicate | 373524.62 | 6072776.30 | 2.03 | 7 | 2.1 | 580 | 47 | 20.3 | 8.0 | 8 | 2.6 | 0.37 | 0.6 | 24.8 | 3 | 1400 | 25 | 300 | 0.3 |
| 99BST-330 | 373090.65 | 6073609.38 | 1.97 | 11 | 1.8 | 440 | 24 | 21.8 | 3.0 | 8 | 1.2 | 0.37 | 0.8 | 18.9 | 1 | 1370 | 25 | 170 | 0.3 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-331 | 372325.83 | 6073335.34 | 2.18 | 8 | 1.4 | 1300 | 34 | 25.3 | 7.0 | 6 | 1.2 | 0.23 | 0.5 | 22.1 | 1 | 880 | 25 | 130 | 0.2 |
| 99BST-332 | 371343.79 | 6071847.26 | 1.92 | 3 | 1.2 | 1100 | 22 | 22.9 | 3.0 | 3 | 1.6 | 0.19 | 0.3 | 22.4 | 1 | 810 | 25 | 280 | 0.2 |
| 99BST-333 | 356400.44 | 6074585.89 | 2.07 | 3 | 1.9 | 520 | 43 | 21.9 | 3.0 | 5 | 1.5 | 0.19 | 0.3 | 22.8 | 1 | 826 | 25 | 110 | 0.2 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 2.07 | 6 | 1.7 | 1000 | 40 | 20.6 | 5.0 | 7 | 5.7 | 0.26 | 0.8 | 23.5 | 1 | 979 | 25 | 480 | 0.3 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 2.07 | 7 | 1.5 | 1100 | 39 | 23.1 | 5.0 | 6 | 5.8 | 0.25 | 0.7 | 23.7 | 1 | 926 | 25 | 490 | 0.2 |
| 99BST-335 | 354026.13 | 6072263.97 | 1.98 | 5 | 1.8 | 560 | 24 | 23.0 | 3.0 | 5 | 3.7 | 0.20 | 0.6 | 18.4 | 1 | 1130 | 25 | 300 | 0.3 |
| 99BST-336 | 356175.52 | 6073162.11 | 1.70 | 6 | 1.4 | 690 | 23 | 19.9 | 3.0 | 7 | 1.3 | 0.37 | 0.7 | 18.9 | 1 | 1140 | 25 | 120 | 0.4 |
| 99BST-337 | 358516.43 | 6071531.39 | 1.86 | 3 | 3.5 | 870 | 85 | 24.3 | 8.0 | 6 | 2.3 | 0.24 | 0.6 | 24.3 | 1 | 1140 | 25 | 510 | 0.2 |
| 99BST-338 | 358097.38 | 6073183.12 | 2.06 | 3 | 1.9 | 750 | 29 | 18.9 | 8.0 | 4 | 1.3 | 0.15 | 0.3 | 25.6 | 1 | 655 | 98 | 180 | 0.2 |
| 99BST-339 | 358101.16 | 6077722.60 | 1.94 | 3 | 1.8 | 680 | 31 | 17.5 | 10.0 | 5 | 5.0 | 0.22 | 0.3 | 28.6 | 1 | 662 | 25 | 480 | 0.1 |
| 99BST-340 | 360792.23 | 6079576.49 | 1.95 | 3 | 1.9 | 880 | 26 | 21.0 | 5.0 | 1 | 1.2 | 0.16 | 0.3 | 25.3 | 1 | 705 | 25 | 150 | 0.3 |
| 99BST-341 | 363366.15 | 6079087.77 | 2.21 | 12 | 1.7 | 530 | 28 | 27.9 | 3.0 | 5 | 1.8 | 0.27 | 0.3 | 23.7 | 5 | 1070 | 25 | 190 | 0.3 |
| 99BST-342 | 361709.41 | 6079470.25 | 1.81 | 5 | 0.9 | 250 | 40 | 22.4 | 4.0 | 4 | 2.2 | 0.25 | 0.3 | 23.5 | 1 | 1190 | 25 | 260 | 0.2 |
| 99BST-343 | 365228.31 | 6078367.51 | 2.02 | 21 | 1.2 | 1700 | 21 | 24.8 | 4.0 | 9 | 0.7 | 0.31 | 0.3 | 24.6 | 1 | 1180 | 25 | 140 | 0.2 |
| 99BST-344 | 364266.45 | 6076224.84 | 1.92 | 3 | 2.3 | 550 | 66 | 15.0 | 15.0 | 5 | 2.8 | 0.21 | 0.3 | 35.1 | 1 | 755 | 25 | 500 | 0.2 |
| 99BST-345 | 362453.17 | 6075416.23 | 1.93 | 7 | 1.1 | 1300 | 21 | 30.5 | 3.0 | 6 | 1.2 | 0.28 | 0.3 | 16.8 | 1 | 1120 | 25 | 76 | 0.2 |
| 99BST-346 | 363508.62 | 6077282.57 | 1.62 | 8 | 1.7 | 430 | 27 | 20.2 | 4.0 | 4 | 2.0 | 0.26 | 0.3 | 16.9 | 1 | 1040 | 25 | 140 | 0.2 |
| 99BST-347 | 390123.06 | 6073013.81 | 1.79 | 3 | 1.2 | 710 | 60 | 20.5 | 4.0 | 6 | 2.4 | 0.20 | 0.6 | 27.4 | 1 | 888 | 25 | 270 | 0.3 |
| 99BST-348 | 386609.32 | 6076034.47 | 1.01 | 12 | 1.9 | 680 | 18 | 21.7 | 5.0 | 8 | 22.0 | 0.24 | 0.3 | 26.8 | 1 | 863 | 25 | 940 | 0.5 |
| 99BST-349 | 394290.85 | 6073197.89 | 1.99 | 11 | 0.3 | 1300 | 100 | 24.1 | 7.0 | 7 | 2.7 | 0.24 | 0.3 | 27.4 | 1 | 1150 | 25 | 260 | 0.4 |
| 99BST-350 | 381237.22 | 6069551.39 | 1.89 | 8 | 2.2 | 1000 | 28 | 26.6 | 4.0 | 6 | 3.5 | 0.22 | 0.3 | 21.9 | 1 | 947 | 25 | 440 | 0.3 |
| 99BST-351 | 377332.39 | 6064774.37 | 2.02 | 3 | 1.9 | 1300 | 13 | 21.3 | 5.0 | 4 | 3.0 | 0.18 | 0.3 | 21.4 | 1 | 504 | 25 | 310 | 0.2 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-1 | 0.4 | 740 | 0.4 | 0.05 | 1700 | 1.6 | 2 | 2.5 | 0.3 | 0.02 | 0.13 | 0.03 | 6 |
| 99BST-2 | 0.6 | 150 | 0.2 | 0.05 | 1700 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.27 | 0.03 | 11 |
| 99BST-3 | 0.8 | 150 | 0.7 | 0.05 | 1900 | 2.9 | 4 | 2.5 | 0.5 | 0.02 | 0.26 | 0.03 | 10 |
| 99BST-4 | 1.0 | 150 | 0.9 | 0.05 | 3100 | 3.8 | 9 | 2.5 | 0.6 | 0.09 | 0.27 | 0.03 | 16 |
| 99BST-5 | 1.2 | 800 | 0.8 | 0.05 | 1800 | 4.5 | 9 | 2.5 | 0.7 | 0.02 | 0.41 | 0.06 | 17 |
| 99BST-6 | 1.5 | 490 | 1.2 | 0.60 | 3000 | 5.5 | 12 | 2.5 | 0.9 | 0.26 | 0.20 | 0.03 | 21 |
| 99BST-7 Analytical Duplicate | 0.4 | 930 | 0.1 | 0.05 | 1700 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-7 Analytical Duplicate | 0.4 | 640 | 0.3 | 0.05 | 1800 | 1.8 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-8 | 0.6 | 600 | 0.6 | 0.05 | 2100 | 2.2 | 8 | 2.5 | 0.3 | 0.02 | 0.23 | 0.03 | 13 |
| 99BST-9 | 1.0 | 150 | 0.8 | 0.05 | 2800 | 3.8 | 7 | 2.5 | 0.7 | 0.02 | 0.26 | 0.03 | 14 |
| 99BST-10 | 0.6 | 530 | 0.4 | 0.05 | 2000 | 1.6 | 2 | 2.5 | 0.3 | 0.02 | 0.18 | 0.03 | 6 |
| 99BST-11 | 0.7 | 150 | 0.7 | 0.05 | 1600 | 2.6 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 11 |
| 99BST-12 | 0.8 | 450 | 0.4 | 0.05 | 1900 | 2.3 | 4 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-13 | 0.6 | 1500 | 0.4 | 0.05 | 2200 | 1.8 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-14 | 0.6 | 650 | 0.5 | 0.05 | 2700 | 1.5 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-15 | 0.5 | 150 | 0.1 | 0.05 | 2400 | 1.3 | 2 | 2.5 | 0.2 | 0.15 | 0.03 | 0.03 | 6 |
| 99BST-16 | 0.5 | 150 | 0.1 | 0.05 | 1900 | 1.4 | 6 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-17 | 0.3 | 410 | 0.1 | 0.05 | 1900 | 1.0 | 2 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 5 |
| 99BST-18 | 0.8 | 150 | 0.4 | 0.05 | 2400 | 2.4 | 5 | 2.5 | 0.4 | 0.23 | 0.25 | 0.03 | 11 |
| 99BST-19 | 0.7 | 150 | 0.1 | 0.05 | 2400 | 1.9 | 3 | 2.5 | 0.3 | 0.18 | 0.22 | 0.03 | 8 |
| 99BST-20 | 1.0 | 790 | 0.5 | 0.05 | 3500 | 3.1 | 6 | 2.5 | 0.5 | 0.02 | 0.30 | 0.03 | 12 |
| 99BST-21-1 Field Duplicate | 0.6 | 320 | 0.1 | 0.05 | 2400 | 1.7 | 3 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-21-2 Field Duplicate | 0.9 | 150 | 0.7 | 0.05 | 2900 | 2.6 | 7 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 13 |
| 99BST-22 | 0.6 | 150 | 0.2 | 0.40 | 1600 | 1.4 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-23 | 0.7 | 710 | 0.4 | 0.05 | 1500 | 2.2 | 4 | 8.0 | 0.3 | 0.02 | 0.03 | 0.03 | 15 |
| 99BST-24 Analytical Duplicate | 0.7 | 150 | 0.4 | 0.50 | 1400 | 1.9 | 6 | 2.5 | 0.3 | 0.02 | 0.19 | 0.03 | 11 |
| 99BST-24 Analytical Duplicate | 0.6 | 730 | 0.1 | 0.05 | 1300 | 1.6 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-25 | 0.6 | 150 | 0.2 | 0.05 | 1700 | 1.6 | 3 | 2.5 | 0.3 | 0.02 | 0.21 | 0.03 | 8 |
| 99BST-26 | 0.5 | 400 | 0.4 | 0.05 | 1800 | 1.6 | 5 | 2.5 | 0.3 | 0.02 | 0.19 | 0.03 | 10 |
| 99BST-27 | 0.6 | 150 | 0.6 | 0.05 | 1800 | 1.9 | 5 | 2.5 | 0.3 | 0.02 | 0.17 | 0.03 | 10 |
| 99BST-28 | 0.7 | 150 | 0.5 | 0.05 | 2500 | 1.8 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-29 | 0.6 | 490 | 0.1 | 0.05 | 3000 | 1.7 | 4 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 9 |
| 99BST-30 | 0.6 | 150 | 0.4 | 0.40 | 1900 | 2.0 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-31 | 0.6 | 150 | 0.4 | 0.05 | 2400 | 1.8 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-32 | 1.0 | 510 | 0.6 | 0.05 | 2000 | 3.3 | 7 | 2.5 | 0.5 | 0.02 | 0.25 | 0.03 | 14 |
| 99BST-33 | 0.8 | 710 | 0.5 | 0.05 | 2700 | 2.3 | 5 | 2.5 | 0.3 | 0.02 | 0.31 | 0.05 | 10 |
| 99BST-34 | 0.9 | 150 | 0.5 | 0.05 | 2700 | 2.3 | 2 | 2.5 | 0.4 | 0.02 | 0.28 | 0.03 | 7 |
| 99BST-35 | 0.5 | 150 | 0.1 | 0.05 | 2000 | 1.3 | 4 | 2.5 | 0.2 | 0.02 | 0.18 | 0.03 | 8 |
| 99BST-36 | 0.6 | 740 | 0.4 | 0.05 | 1500 | 1.9 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-37 | 2.0 | 390 | 1.2 | 0.05 | 3000 | 6.0 | 14 | 2.5 | 1.0 | 0.02 | 0.62 | 0.09 | 24 |
| 99BST-38 | 0.6 | 150 | 0.5 | 0.05 | 1900 | 1.9 | 2 | 2.5 | 0.3 | 0.02 | 0.34 | 0.05 | 7 |
| 99BST-39 | 0.6 | 320 | 0.6 | 0.05 | 1200 | 1.7 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-40 | 1.0 | 150 | 0.5 | 0.05 | 2800 | 2.7 | 9 | 2.5 | 0.4 | 0.02 | 0.22 | 0.03 | 15 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-41-1 Field Duplicate | 0.5 | 150 | 0.2 | 0.05 | 2600 | 1.6 | 4 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-41-2 Field Duplicate | 0.8 | 150 | 0.1 | 0.05 | 2500 | 2.2 | 5 | 2.5 | 0.4 | 0.02 | 0.21 | 0.03 | 10 |
| 99BST-42 Analytical Duplicate | 0.5 | 1100 | 0.3 | 0.05 | 1500 | 1.4 | 5 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-42 Analytical Duplicate | 0.5 | 730 | 0.3 | 0.05 | 1600 | 1.7 | 2 | 2.5 | 0.2 | 0.02 | 0.26 | 0.03 | 6 |
| 99BST-43 | 0.5 | 660 | 0.3 | 0.05 | 1800 | 1.6 | 5 | 2.5 | 0.3 | 0.27 | 0.11 | 0.03 | 10 |
| 99BST-44 | 1.2 | 720 | 0.8 | 0.05 | 2100 | 3.5 | 7 | 2.5 | 0.6 | 0.10 | 0.24 | 0.03 | 14 |
| 99BST-45 | 0.5 | 150 | 0.4 | 0.05 | 1700 | 1.5 | 4 | 2.5 | 0.2 | 0.21 | 0.21 | 0.03 | 9 |
| 99BST-46 | 0.9 | 490 | 0.5 | 0.05 | 2300 | 2.7 | 5 | 2.5 | 0.4 | 0.02 | 0.14 | 0.03 | 11 |
| 99BST-47 | 0.6 | 150 | 0.1 | 0.05 | 2400 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.21 | 0.03 | 6 |
| 99BST-48 | 0.5 | 350 | 0.1 | 0.05 | 2300 | 1.4 | 4 | 2.5 | 0.2 | 0.02 | 0.18 | 0.03 | 8 |
| 99BST-49 | 0.7 | 940 | 0.5 | 0.05 | 1700 | 2.1 | 5 | 2.5 | 0.3 | 0.02 | 0.14 | 0.03 | 10 |
| 99BST-50 | 0.8 | 1100 | 0.5 | 0.05 | 1700 | 2.5 | 4 | 2.5 | 0.4 | 0.02 | 0.20 | 0.03 | 10 |
| 99BST-51 | 0.8 | 730 | 0.4 | 0.05 | 2000 | 2.3 | 6 | 2.5 | 0.3 | 0.07 | 0.19 | 0.03 | 11 |
| 99BST-52 | 0.9 | 860 | 0.4 | 0.05 | 1800 | 2.8 | 7 | 2.5 | 0.4 | 0.02 | 0.14 | 0.03 | 13 |
| 99BST-53 | 0.7 | 560 | 0.5 | 0.05 | 1900 | 2.0 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-54 | 0.4 | 150 | 0.3 | 0.05 | 1500 | 1.4 | 5 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-55 | 1.9 | 150 | 0.9 | 0.05 | 2700 | 5.8 | 10 | 2.5 | 0.9 | 0.23 | 0.51 | 0.08 | 20 |
| 99BST-56 | 1.3 | 150 | 0.8 | 0.05 | 2400 | 3.8 | 8 | 2.5 | 0.6 | 0.02 | 0.35 | 0.05 | 15 |
| 99BST-57 | 0.5 | 600 | 0.1 | 0.05 | 2000 | 1.3 | 5 | 2.5 | 0.2 | 0.02 | 0.10 | 0.03 | 9 |
| 99BST-58 | 0.8 | 580 | 0.6 | 0.05 | 1400 | 2.4 | 7 | 2.5 | 0.4 | 0.16 | 0.20 | 0.03 | 13 |
| 99BST-59 | 1.7 | 150 | 1.4 | 0.05 | 3600 | 6.3 | 16 | 2.5 | 1.1 | 0.02 | 0.61 | 0.09 | 27 |
| 99BST-60 | 1.2 | 150 | 0.9 | 0.05 | 3400 | 4.2 | 10 | 2.5 | 0.8 | 0.31 | 0.28 | 0.03 | 18 |
| 99BST-61 | 1.2 | 150 | 0.5 | 0.05 | 2900 | 4.0 | 10 | 2.5 | 0.7 | 0.02 | 0.19 | 0.03 | 17 |
| 99BST-62 | 1.0 | 150 | 0.8 | 0.05 | 2700 | 3.3 | 7 | 2.5 | 0.6 | 0.02 | 0.25 | 0.03 | 14 |
| 99BST-63 | 0.4 | 150 | 0.1 | 0.05 | 2200 | 1.1 | 3 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-64 | 1.1 | 510 | 0.9 | 0.05 | 2300 | 3.7 | 10 | 2.5 | 0.7 | 0.02 | 0.32 | 0.03 | 17 |
| 99BST-65 Analytical Duplicate | 0.4 | 150 | 0.4 | 0.05 | 1800 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.12 | 0.03 | 6 |
| 99BST-65 Analytical Duplicate | 0.4 | 600 | 0.7 | 0.05 | 1800 | 2.0 | 5 | 2.5 | 0.3 | 0.20 | 0.14 | 0.03 | 10 |
| 99BST-66 | 1.2 | 940 | 0.8 | 0.40 | 3200 | 3.7 | 9 | 2.5 | 0.8 | 0.02 | 0.22 | 0.03 | 16 |
| 99BST-67 | 1.0 | 900 | 0.7 | 0.05 | 3400 | 3.0 | 10 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 16 |
| 99BST-68 | 0.7 | 150 | 0.5 | 0.30 | 2600 | 2.5 | 4 | 2.5 | 0.3 | 0.02 | 0.17 | 0.03 | 10 |
| 99BST-69 | 0.4 | 600 | 0.1 | 0.05 | 1700 | 1.7 | 4 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-70-1 Field Duplicate | 0.5 | 150 | 0.1 | 0.05 | 2100 | 2.0 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-70-2 Field Duplicate | 0.5 | 600 | 0.4 | 0.05 | 2200 | 1.8 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-71 | 0.3 | 850 | 0.1 | 0.05 | 1900 | 1.3 | 4 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 8 |
| 99BST-72 | 0.6 | 150 | 0.4 | 0.05 | 1700 | 2.2 | 6 | 2.5 | 0.3 | 0.14 | 0.21 | 0.03 | 11 |
| 99BST-73 | 0.6 | 150 | 0.3 | 0.05 | 2100 | 2.0 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-74 | 0.6 | 150 | 0.4 | 0.05 | 2100 | 2.2 | 5 | 2.5 | 0.3 | 0.02 | 0.24 | 0.03 | 10 |
| 99BST-75 Analytical Duplicate | 0.3 | 150 | 0.1 | 0.05 | 1700 | 1.5 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-75 Analytical Duplicate | 0.4 | 150 | 0.1 | 0.05 | 1800 | 1.4 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-76 | 0.6 | 330 | 0.3 | 0.05 | 2200 | 2.0 | 4 | 2.5 | 0.3 | 0.02 | 0.22 | 0.03 | 9 |
| 99BST-77 | 0.3 | 310 | 0.1 | 0.05 | 2300 | 1.3 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-78 | 0.6 | 150 | 0.3 | 0.05 | 1300 | 2.0 | 2 | 2.5 | 0.3 | 0.02 | 0.14 | 0.03 | 6 |
| 99BST-79 | 0.6 | 760 | 0.1 | 0.05 | 1100 | 2.1 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-80 | 0.5 | 150 | 0.2 | 0.05 | 2400 | 1.7 | 2 | 2.5 | 0.2 | 0.09 | 0.26 | 0.03 | 6 |
| 99BST-81 | 0.5 | 150 | 0.4 | 0.05 | 1900 | 1.9 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-82-1 Field Duplicate | 1.6 | 610 | 1.0 | 0.05 | 2300 | 6.1 | 11 | 2.5 | 0.9 | 0.02 | 0.34 | 0.03 | 21 |
| 99BST-82-2 Field Duplicate | 1.4 | 430 | 0.7 | 0.60 | 3300 | 4.9 | 9 | 2.5 | 0.7 | 0.19 | 0.56 | 0.08 | 18 |
| 99BST-83 | 0.9 | 150 | 0.5 | 0.05 | 2300 | 3.2 | 4 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-84 | 0.7 | 150 | 0.5 | 0.05 | 2500 | 2.7 | 4 | 2.5 | 0.4 | 0.02 | 0.21 | 0.03 | 10 |
| 99BST-85 | 1.2 | 550 | 0.8 | 0.05 | 2200 | 4.8 | 5 | 2.5 | 0.7 | 0.02 | 0.24 | 0.03 | 13 |
| 99BST-86 | 0.5 | 150 | 0.3 | 0.05 | 2300 | 1.7 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-87 | 0.5 | 150 | 0.1 | 0.05 | 2000 | 1.9 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-88 | 0.7 | 640 | 0.6 | 0.05 | 2100 | 3.0 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 11 |
| 99BST-89 | 0.9 | 150 | 0.6 | 0.05 | 2300 | 3.3 | 4 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-90 | 1.1 | 150 | 0.7 | 0.05 | 2400 | 4.2 | 8 | 2.5 | 0.6 | 0.02 | 0.35 | 0.05 | 16 |
| 99BST-91 | 1.0 | 150 | 0.7 | 0.50 | 3100 | 4.0 | 8 | 2.5 | 0.6 | 0.02 | 0.03 | 0.03 | 15 |
| 99BST-92 | 1.7 | 150 | 1.1 | 0.05 | 2400 | 6.4 | 14 | 2.5 | 0.9 | 0.02 | 0.43 | 0.06 | 24 |
| 99BST-93 | 0.6 | 740 | 0.4 | 0.05 | 1900 | 2.1 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-94 | 0.8 | 150 | 0.5 | 0.30 | 2000 | 2.8 | 6 | 2.5 | 0.4 | 0.02 | 0.25 | 0.03 | 12 |
| 99BST-95 | 0.6 | 150 | 0.3 | 0.20 | 1600 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-96 | 0.4 | 470 | 0.1 | 0.05 | 1800 | 1.4 | 3 | 2.5 | 0.2 | 0.02 | 0.16 | 0.03 | 7 |
| 99BST-97 | 1.1 | 150 | 0.6 | 0.60 | 2500 | 4.1 | 8 | 2.5 | 0.5 | 0.02 | 0.30 | 0.05 | 15 |
| 99BST-98 Analytical Duplicate | 0.6 | 370 | 0.4 | 0.05 | 1100 | 2.2 | 5 | 2.5 | 0.3 | 0.02 | 0.35 | 0.05 | 10 |
| 99BST-98 Analytical Duplicate | 0.6 | 150 | 0.1 | 0.05 | 1100 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.13 | 0.03 | 9 |
| 99BST-99 | 0.8 | 150 | 0.6 | 0.05 | 1800 | 2.9 | 5 | 2.5 | 0.4 | 0.02 | 0.20 | 0.03 | 11 |
| 99BST-100 | 0.6 | 490 | 0.4 | 0.30 | 2100 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.20 | 0.03 | 9 |
| 99BST-101-1 Field Duplicate | 0.7 | 450 | 0.5 | 0.05 | 1800 | 2.5 | 3 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 9 |
| 99BST-101-2 Field Duplicate | 0.7 | 150 | 0.3 | 0.05 | 2000 | 2.4 | 2 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 7 |
| 99BST-102 | 0.3 | 150 | 0.1 | 0.05 | 1400 | 1.1 | 2 | 2.5 | 0.1 | 0.02 | 0.03 | 0.03 | 5 |
| 99BST-103 | 0.5 | 390 | 0.5 | 0.05 | 1500 | 2.2 | 3 | 2.5 | 0.3 | 0.02 | 0.18 | 0.03 | 8 |
| 99BST-104 | 0.4 | 150 | 0.1 | 0.05 | 1300 | 1.6 | 2 | 2.5 | 0.3 | 0.02 | 0.16 | 0.03 | 6 |
| 99BST-105 | 1.1 | 150 | 0.9 | 0.05 | 2800 | 4.0 | 9 | 2.5 | 0.6 | 0.02 | 0.28 | 0.03 | 16 |
| 99BST-106 | 0.8 | 150 | 0.4 | 0.60 | 1600 | 3.2 | 6 | 2.5 | 0.4 | 0.01 | 0.26 | 0.03 | 12 |
| 99BST-107 | 0.6 | 440 | 0.3 | 0.05 | 1700 | 2.1 | 4 | 2.5 | 0.3 | 0.12 | 0.09 | 0.03 | 9 |
| 99BST-108 | 0.4 | 490 | 0.5 | 0.05 | 1900 | 1.6 | 2 | 2.5 | 0.2 | 0.01 | 0.03 | 0.03 | 6 |
| 99BST-109 Analytical Duplicate | 0.5 | 540 | 0.4 | 0.05 | 1500 | 1.6 | 3 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-109 Analytical Duplicate | 0.5 | 150 | 0.1 | 0.05 | 1600 | 1.8 | 4 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 9 |
| 99BST-110 | 0.5 | 650 | 0.4 | 0.50 | 1900 | 2.0 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-111 | 0.5 | 150 | 0.4 | 0.05 | 1900 | 2.0 | 3 | 2.5 | 0.3 | 0.02 | 0.30 | 0.03 | 8 |
| 99BST-113 | 0.4 | 150 | 0.5 | 0.05 | 2000 | 1.5 | 3 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-114 | 0.6 | 1300 | 0.3 | 0.05 | 2800 | 2.1 | 4 | 2.5 | 0.3 | 0.01 | 0.12 | 0.03 | 9 |
| 99BST-115 | 0.6 | 550 | 0.4 | 0.05 | 2000 | 2.1 | 4 | 2.5 | 0.4 | 0.08 | 0.03 | 0.03 | 9 |
| 99BST-118 | 0.5 | 150 | 0.3 | 0.50 | 2200 | 1.4 | 4 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-120 | 2.1 | 480 | 1.2 | 0.05 | 1400 | 8.3 | 16 | 2.5 | 1.1 | 0.01 | 0.47 | 0.06 | 28 |
| 99BST-121 | 0.8 | 150 | 0.4 | 0.05 | 2000 | 2.8 | 6 | 2.5 | 0.4 | 0.02 | 0.21 | 0.03 | 12 |
| 99BST-122 | 1.1 | 400 | 0.8 | 0.05 | 2600 | 4.0 | 7 | 2.5 | 0.5 | 0.22 | 0.23 | 0.03 | 14 |
| 99BST-123 | 0.5 | 150 | 0.4 | 0.05 | 1500 | 2.2 | 4 | 10.0 | 0.3 | 0.01 | 0.14 | 0.03 | 17 |
| 99BST-124-1 Field Duplicate | 0.6 | 150 | 0.4 | 0.05 | 1700 | 2.2 | 4 | 2.5 | 0.3 | 0.14 | 0.25 | 0.03 | 9 |
| 99BST-124-2 Field Duplicate | 0.6 | 320 | 0.1 | 0.05 | 1700 | 2.0 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-125 | 0.6 | 150 | 0.4 | 0.05 | 1700 | 2.5 | 5 | 2.5 | 0.3 | 0.01 | 0.03 | 0.03 | 10 |
| 99BST-126 | 0.4 | 560 | 0.4 | 0.05 | 2000 | 1.5 | 2 | 2.5 | 0.2 | 0.09 | 0.15 | 0.03 | 6 |
| 99BST-127 | 0.7 | 150 | 0.4 | 0.05 | 1400 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-129 | 2.9 | 470 | 1.7 | 0.05 | 1200 | 9.4 | 19 | 2.5 | 1.3 | 0.34 | 0.47 | 0.06 | 33 |
| 99BST-130 | 1.1 | 520 | 0.7 | 0.50 | 2400 | 4.2 | 8 | 2.5 | 0.6 | 0.09 | 0.22 | 0.03 | 16 |
| 99BST-131 | 0.5 | 390 | 0.3 | 0.05 | 2200 | 2.0 | 4 | 2.5 | 0.3 | 0.02 | 0.18 | 0.03 | 9 |
| 99BST-132 | 1.6 | 880 | 0.9 | 0.05 | 2800 | 5.8 | 10 | 2.5 | 0.8 | 0.19 | 0.35 | 0.05 | 20 |
| 99BST-133 | 0.5 | 150 | 0.4 | 0.05 | 2100 | 1.6 | 3 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-134 Analytical Duplicate | 0.8 | 150 | 0.5 | 0.05 | 1300 | 2.9 | 4 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 10 |
| 99BST-134 Analytical Duplicate | 0.7 | 400 | 0.4 | 0.05 | 1200 | 2.6 | 7 | 2.5 | 0.4 | 0.02 | 0.21 | 0.03 | 13 |
| 99BST-135 | 0.5 | 680 | 0.3 | 0.05 | 1500 | 1.9 | 4 | 2.5 | 0.2 | 0.01 | 0.08 | 0.03 | 9 |
| 99BST-137 | 1.0 | 480 | 0.7 | 0.05 | 2200 | 3.4 | 7 | 2.5 | 0.5 | 0.20 | 0.37 | 0.03 | 14 |
| 99BST-138 | 1.0 | 150 | 0.6 | 0.05 | 2400 | 3.4 | 6 | 6.0 | 0.4 | 0.01 | 0.15 | 0.03 | 16 |
| 99BST-139 | 0.3 | 650 | 0.3 | 0.05 | 1800 | 1.2 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 5 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-140 | 1.0 | 820 | 0.5 | 0.40 | 2300 | 3.2 | 7 | 2.5 | 0.5 | 0.01 | 0.24 | 0.03 | 13 |
| 99BST-141-1 Field Duplicate | 0.4 | 410 | 0.4 | 0.05 | 1700 | 1.5 | 3 | 2.5 | 0.2 | 0.01 | 0.03 | 0.03 | 7 |
| 99BST-141-2 Field Duplicate | 0.5 | 630 | 0.4 | 0.05 | 2100 | 1.6 | 3 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-142 | 0.7 | 520 | 0.4 | 0.70 | 2300 | 2.4 | 4 | 2.5 | 0.3 | 0.17 | 0.19 | 0.03 | 10 |
| 99BST-143 | 0.4 | 740 | 0.2 | 0.05 | 2100 | 1.4 | 3 | 2.5 | 0.2 | 0.01 | 0.03 | 0.03 | 7 |
| 99BST-144 | 0.4 | 830 | 0.5 | 0.05 | 1700 | 1.4 | 4 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 8 |
| 99BST-145 | 0.8 | 150 | 0.5 | 0.05 | 1900 | 2.9 | 6 | 2.5 | 0.4 | 0.01 | 0.26 | 0.03 | 12 |
| 99BST-146 | 1.0 | 150 | 0.6 | 0.05 | 2800 | 3.4 | 5 | 2.5 | 0.5 | 0.01 | 0.25 | 0.03 | 12 |
| 99BST-147 | 0.7 | 690 | 0.5 | 0.05 | 2200 | 2.5 | 5 | 2.5 | 0.4 | 0.11 | 0.28 | 0.03 | 11 |
| 99BST-148 | 0.3 | 150 | 0.2 | 0.05 | 1400 | 1.2 | 2 | 2.5 | 0.2 | 0.13 | 0.17 | 0.03 | 6 |
| 99BST-149 | 0.6 | 530 | 0.4 | 0.05 | 1800 | 2.0 | 3 | 2.5 | 0.3 | 0.16 | 0.17 | 0.03 | 8 |
| 99BST-150 | 0.8 | 150 | 0.6 | 0.05 | 2700 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 11 |
| 99BST-151 Analytical Duplicate | 0.7 | 150 | 0.4 | 0.05 | 2500 | 2.4 | 3 | 2.5 | 0.4 | 0.01 | 0.12 | 0.03 | 8 |
| 99BST-151 Analytical Duplicate | 0.7 | 150 | 0.5 | 0.05 | 2500 | 2.3 | 2 | 8.0 | 0.4 | 0.01 | 0.20 | 0.03 | 12 |
| 99BST-152 | 1.0 | 150 | 0.6 | 0.05 | 1800 | 3.2 | 7 | 2.5 | 0.6 | 0.24 | 0.26 | 0.03 | 14 |
| 99BST-153 | 1.0 | 600 | 0.7 | 0.50 | 2300 | 3.3 | 5 | 8.0 | 0.6 | 0.20 | 0.28 | 0.03 | 17 |
| 99BST-154 | 0.7 | 380 | 0.3 | 0.05 | 2300 | 2.2 | 4 | 2.5 | 0.3 | 0.01 | 0.21 | 0.03 | 9 |
| 99BST-155 | 0.5 | 510 | 0.4 | 0.05 | 2300 | 1.6 | 4 | 7.0 | 0.3 | 0.02 | 0.13 | 0.03 | 13 |
| 99BST-156 | 0.4 | 150 | 0.3 | 0.05 | 2100 | 1.1 | 2 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 6 |
| 99BST-157 | 0.6 | 350 | 0.4 | 0.05 | 2000 | 2.0 | 4 | 2.5 | 0.3 | 0.01 | 0.23 | 0.03 | 9 |
| 99BST-201 | 0.5 | 480 | 0.3 | 0.05 | 1800 | 1.4 | 2 | 2.5 | 0.3 | 0.21 | 0.14 | 0.03 | 6 |
| 99BST-202 | 0.3 | 540 | 0.1 | 0.05 | 1500 | 1.1 | 2 | 2.5 | 0.3 | 0.01 | 0.03 | 0.03 | 5 |
| 99BST-203 | 0.7 | 150 | 0.6 | 0.05 | 2500 | 2.6 | 5 | 2.5 | 0.4 | 0.02 | 0.13 | 0.03 | 11 |
| 99BST-204 | 0.4 | 150 | 0.1 | 0.05 | 1700 | 1.3 | 4 | 2.5 | 0.3 | 0.01 | 0.03 | 0.03 | 8 |
| 99BST-205 | 0.6 | 1200 | 0.5 | 0.05 | 1900 | 2.1 | 4 | 2.5 | 0.3 | 0.02 | 0.18 | 0.03 | 9 |
| 99BST-206 | 0.5 | 1100 | 0.4 | 0.05 | 1700 | 1.8 | 4 | 2.5 | 0.3 | 0.01 | 0.18 | 0.03 | 9 |
| 99BST-207 | 0.5 | 150 | 0.1 | 0.05 | 2100 | 1.5 | 5 | 2.5 | 0.2 | 0.02 | 0.12 | 0.03 | 9 |
| 99BST-208 | 0.5 | 450 | 0.3 | 0.05 | 1600 | 1.8 | 3 | 2.5 | 0.3 | 0.01 | 0.14 | 0.03 | 8 |
| 99BST-209 | 0.6 | 150 | 0.7 | 0.05 | 1900 | 1.7 | 3 | 2.5 | 0.4 | 0.17 | 0.18 | 0.03 | 8 |
| 99BST-210 | 0.3 | 150 | 0.4 | 0.05 | 2100 | 1.2 | 3 | 2.5 | 0.2 | 0.01 | 0.09 | 0.03 | 7 |
| 99BST-211 | 0.6 | 150 | 0.4 | 0.05 | 2000 | 2.2 | 4 | 2.5 | 0.4 | 0.01 | 0.20 | 0.03 | 9 |
| 99BST-212 Analytical Duplicate | 0.4 | 460 | 0.1 | 0.05 | 1800 | 1.3 | 4 | 2.5 | 0.2 | 0.02 | 0.18 | 0.03 | 8 |
| 99BST-212 Analytical Duplicate | 0.4 | 440 | 0.3 | 0.05 | 1700 | 1.5 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-213 | 0.5 | 530 | 0.4 | 0.05 | 1800 | 1.6 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-214 | 0.7 | 410 | 0.5 | 0.05 | 2000 | 2.7 | 5 | 2.5 | 0.4 | 0.01 | 0.21 | 0.03 | 11 |
| 99BST-215 | 1.0 | 420 | 0.6 | 0.40 | 1600 | 3.4 | 6 | 2.5 | 0.4 | 0.01 | 0.17 | 0.03 | 13 |
| 99BST-216 | 0.6 | 720 | 0.4 | 0.05 | 1500 | 1.9 | 5 | 2.5 | 0.4 | 0.01 | 0.12 | 0.03 | 10 |
| 99BST-217 | 0.5 | 660 | 0.1 | 0.05 | 1800 | 1.8 | 2 | 2.5 | 0.3 | 0.01 | 0.20 | 0.03 | 6 |
| 99BST-218 | 0.3 | 420 | 0.1 | 0.05 | 1300 | 1.0 | 2 | 2.5 | 0.2 | 0.02 | 0.16 | 0.03 | 5 |
| 99BST-219-1 Field Duplicate | 0.7 | 530 | 0.5 | 0.05 | 1800 | 2.4 | 5 | 2.5 | 0.4 | 0.19 | 0.22 | 0.03 | 11 |
| 99BST-219-2 Field Duplicate | 0.6 | 150 | 0.5 | 0.05 | 2200 | 1.9 | 3 | 2.5 | 0.3 | 0.01 | 0.15 | 0.03 | 8 |
| 99BST-220 | 0.9 | 700 | 0.6 | 0.05 | 1900 | 3.0 | 7 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 13 |
| 99BST-221 | 0.4 | 150 | 0.3 | 0.05 | 1200 | 1.4 | 2 | 2.5 | 0.3 | 0.01 | 0.16 | 0.03 | 6 |
| 99BST-222 | 1.0 | 490 | 0.5 | 0.05 | 2400 | 3.2 | 4 | 2.5 | 0.4 | 0.01 | 0.20 | 0.03 | 10 |
| 99BST-223 | 0.5 | 500 | 0.3 | 0.05 | 2300 | 1.7 | 2 | 2.5 | 0.3 | 0.01 | 0.03 | 0.03 | 6 |
| 99BST-224 | 0.9 | 150 | 0.7 | 0.05 | 1900 | 3.3 | 7 | 2.5 | 0.6 | 0.01 | 0.28 | 0.03 | 14 |
| 99BST-226 | 0.9 | 150 | 0.6 | 0.05 | 2200 | 2.7 | 7 | 2.5 | 0.5 | 0.02 | 0.17 | 0.03 | 13 |
| 99BST-227 | 0.6 | 150 | 0.1 | 0.05 | 1800 | 1.9 | 4 | 2.5 | 0.3 | 0.02 | 0.20 | 0.03 | 9 |
| 99BST-228 | 0.6 | 150 | 0.4 | 0.05 | 1600 | 2.2 | 4 | 2.5 | 0.4 | 0.01 | 0.13 | 0.03 | 9 |
| 99BST-229 | 0.5 | 1100 | 0.1 | 0.05 | 2400 | 1.5 | 4 | 2.5 | 0.4 | 0.18 | 0.03 | 0.03 | 9 |
| 99BST-230 Analytical Duplicate | 0.8 | 700 | 0.7 | 0.05 | 1300 | 3.0 | 5 | 2.5 | 0.5 | 0.18 | 0.27 | 0.03 | 11 |
| 99BST-230 Analytical Duplicate | 0.8 | 590 | 0.6 | 0.05 | 1300 | 3.0 | 5 | 2.5 | 0.5 | 0.02 | 0.26 | 0.03 | 11 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-230 Analytical Duplicate | 0.8 | 150 | 0.6 | 0.05 | 1800 | 3.2 | 6 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 12 |
| 99BST-231 | 0.5 | 150 | 0.5 | 0.05 | 1600 | 1.7 | 3 | 2.5 | 0.3 | 0.01 | 0.16 | 0.03 | 8 |
| 99BST-232 | 0.6 | 150 | 0.3 | 0.05 | 2200 | 2.0 | 4 | 2.5 | 0.3 | 0.01 | 0.11 | 0.03 | 9 |
| 99BST-233 | 0.9 | 150 | 0.7 | 0.05 | 2200 | 2.9 | 4 | 2.5 | 0.5 | 0.01 | 0.19 | 0.03 | 10 |
| 99BST-234 | 1.1 | 150 | 0.8 | 0.05 | 1300 | 4.0 | 8 | 2.5 | 0.6 | 0.01 | 0.34 | 0.05 | 16 |
| 99BST-235 | 0.8 | 150 | 0.6 | 0.05 | 1600 | 2.5 | 5 | 2.5 | 0.3 | 0.01 | 0.19 | 0.03 | 11 |
| 99BST-236 | 0.7 | 570 | 0.4 | 0.05 | 2100 | 2.6 | 4 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-237 | 0.8 | 430 | 0.6 | 0.05 | 2600 | 2.7 | 5 | 2.5 | 0.4 | 0.02 | 0.22 | 0.03 | 11 |
| 99BST-238 | 0.6 | 600 | 0.4 | 0.40 | 1200 | 2.1 | 4 | 2.5 | 0.4 | 0.20 | 0.03 | 0.03 | 9 |
| 99BST-239 | 0.8 | 790 | 0.7 | 0.05 | 1500 | 3.0 | 6 | 2.5 | 0.4 | 0.17 | 0.03 | 0.03 | 12 |
| 99BST-240 | 0.4 | 150 | 0.5 | 0.05 | 1400 | 1.5 | 2 | 8.0 | 0.3 | 0.01 | 0.03 | 0.03 | 11 |
| 99BST-241 | 0.4 | 600 | 0.3 | 0.05 | 1600 | 1.8 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-242 | 0.5 | 150 | 0.3 | 0.05 | 1800 | 1.8 | 2 | 2.5 | 0.4 | 0.21 | 0.03 | 0.03 | 6 |
| 99BST-243 | 0.3 | 150 | 0.1 | 0.05 | 1300 | 0.9 | 2 | 11.0 | 0.2 | 0.02 | 0.03 | 0.03 | 14 |
| 99BST-244 | 0.4 | 360 | 0.1 | 0.05 | 1300 | 1.3 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-245 | 0.5 | 150 | 0.2 | 0.05 | 1300 | 1.6 | 3 | 6.0 | 0.3 | 0.02 | 0.03 | 0.03 | 11 |
| 99BST-246 | 0.6 | 150 | 0.3 | 0.30 | 1700 | 2.1 | 2 | 2.5 | 0.4 | 0.02 | 0.16 | 0.03 | 7 |
| 99BST-247 Analytical Duplicate | 0.3 | 600 | 0.3 | 0.05 | 1200 | 1.3 | 2 | 2.5 | 0.2 | 0.01 | 0.03 | 0.03 | 6 |
| 99BST-247 Analytical Duplicate | 0.4 | 660 | 0.1 | 0.05 | 1300 | 1.4 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-248-1 Field Duplicate | 0.5 | 1300 | 0.4 | 0.05 | 1300 | 1.8 | 2 | 2.5 | 0.3 | 0.01 | 0.20 | 0.03 | 6 |
| 99BST-248-2 Field Duplicate | 0.4 | 1100 | 0.1 | 0.05 | 2200 | 1.2 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 5 |
| 99BST-249 | 0.6 | 150 | 0.4 | 0.05 | 2300 | 2.0 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-251 | 0.6 | 390 | 0.4 | 0.05 | 2200 | 1.9 | 2 | 2.5 | 0.3 | 0.02 | 0.25 | 0.03 | 6 |
| 99BST-252 | 0.6 | 470 | 0.4 | 0.05 | 1600 | 2.0 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-253 | 0.7 | 150 | 0.5 | 0.05 | 2200 | 2.3 | 4 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 9 |
| 99BST-254 | 0.9 | 390 | 0.4 | 0.05 | 1800 | 2.8 | 5 | 2.5 | 0.4 | 0.02 | 0.25 | 0.03 | 11 |
| 99BST-255 | 0.6 | 150 | 0.4 | 0.05 | 1800 | 1.9 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-256 | 0.3 | 150 | 0.1 | 0.05 | 1800 | 1.2 | 2 | 2.5 | 0.3 | 0.02 | 0.19 | 0.03 | 6 |
| 99BST-257 | 0.5 | 390 | 0.4 | 0.05 | 2200 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.12 | 0.03 | 6 |
| 99BST-258 | 0.5 | 150 | 0.1 | 0.05 | 1800 | 1.7 | 5 | 2.5 | 0.3 | 0.02 | 0.19 | 0.03 | 10 |
| 99BST-259 | 0.5 | 440 | 0.3 | 0.05 | 2300 | 1.7 | 5 | 2.5 | 0.3 | 0.02 | 0.25 | 0.03 | 10 |
| 99BST-260 | 0.6 | 150 | 0.4 | 0.05 | 1900 | 2.1 | 6 | 2.5 | 0.4 | 0.02 | 0.20 | 0.03 | 11 |
| 99BST-261 | 0.8 | 440 | 0.6 | 0.05 | 1200 | 2.5 | 5 | 2.5 | 0.4 | 0.02 | 0.10 | 0.03 | 11 |
| 99BST-262 | 0.9 | 150 | 0.4 | 0.05 | 2700 | 3.1 | 5 | 2.5 | 0.5 | 0.02 | 0.30 | 0.03 | 11 |
| 99BST-263 Analytical Duplicate | 0.3 | 560 | 0.3 | 0.05 | 1600 | 0.9 | 2 | 6.0 | 0.3 | 0.12 | 0.20 | 0.03 | 9 |
| 99BST-263 Analytical Duplicate | 0.3 | 650 | 0.3 | 0.05 | 1700 | 1.2 | 2 | 2.5 | 0.2 | 0.01 | 0.13 | 0.03 | 6 |
| 99BST-264 | 1.1 | 380 | 0.7 | 0.05 | 1500 | 4.0 | 7 | 2.5 | 0.7 | 0.23 | 0.20 | 0.03 | 15 |
| 99BST-265 | 0.4 | 150 | 0.1 | 0.30 | 2000 | 1.6 | 3 | 2.5 | 0.4 | 0.01 | 0.14 | 0.03 | 8 |
| 99BST-266 | 0.7 | 530 | 0.5 | 0.30 | 2400 | 2.3 | 4 | 2.5 | 0.3 | 0.01 | 0.25 | 0.03 | 9 |
| 99BST-267 | 0.4 | 150 | 0.2 | 0.05 | 1800 | 1.5 | 3 | 2.5 | 0.6 | 0.21 | 0.18 | 0.03 | 8 |
| 99BST-268 | 0.6 | 440 | 0.7 | 0.05 | 2300 | 2.4 | 6 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 11 |
| 99BST-269 | 0.6 | 1000 | 0.6 | 0.05 | 2400 | 2.3 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-270 | 0.3 | 610 | 0.4 | 0.05 | 1500 | 1.2 | 4 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-271 | 0.7 | 520 | 0.7 | 0.05 | 2200 | 2.9 | 6 | 2.5 | 0.5 | 0.01 | 0.33 | 0.03 | 12 |
| 99BST-272 | 0.4 | 150 | 0.4 | 0.05 | 1900 | 1.3 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-273 | 0.5 | 150 | 0.3 | 0.05 | 1800 | 1.8 | 3 | 2.5 | 0.3 | 0.02 | 0.27 | 0.03 | 8 |
| 99BST-274 | 0.9 | 540 | 0.8 | 0.05 | 2300 | 3.8 | 6 | 2.5 | 0.6 | 0.17 | 0.34 | 0.03 | 13 |
| 99BST-275 | 0.6 | 400 | 0.6 | 0.05 | 2100 | 2.3 | 4 | 2.5 | 0.3 | 0.01 | 0.18 | 0.03 | 9 |
| 99BST-276-1 Field Duplicate | 0.6 | 150 | 0.5 | 0.05 | 1600 | 2.6 | 5 | 2.5 | 0.4 | 0.16 | 0.18 | 0.03 | 11 |
| 99BST-276-2 Field Duplicate | 0.8 | 480 | 0.6 | 0.05 | 2100 | 3.2 | 5 | 2.5 | 0.5 | 0.01 | 0.30 | 0.03 | 12 |
| 99BST-277 | 1.0 | 690 | 0.9 | 0.05 | 2300 | 3.8 | 9 | 2.5 | 0.6 | 0.25 | 0.23 | 0.03 | 16 |
| 99BST-278 | 0.6 | 680 | 0.6 | 0.05 | 2800 | 2.5 | 4 | 2.5 | 0.4 | 0.02 | 0.31 | 0.05 | 10 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-279 Analytical Duplicate | 0.8 | 510 | 0.7 | 0.05 | 3100 | 3.1 | 7 | 2.5 | 0.5 | 0.02 | 0.30 | 0.05 | 13 |
| 99BST-279 Analytical Duplicate | 0.8 | 700 | 0.6 | 0.05 | 3100 | 2.8 | 5 | 2.5 | 0.4 | 0.27 | 0.31 | 0.05 | 11 |
| 99BST-280 | 0.6 | 760 | 0.6 | 0.05 | 2600 | 1.8 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-281 | 0.6 | 530 | 0.4 | 0.05 | 1500 | 2.0 | 6 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 11 |
| 99BST-282-1 Field Duplicate | 1.0 | 510 | 1.0 | 0.05 | 2600 | 3.6 | 7 | 2.5 | 0.6 | 0.02 | 0.20 | 0.03 | 14 |
| 99BST-282-2 Field Duplicate | 0.6 | 150 | 0.6 | 0.05 | 1900 | 2.3 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-283 | 0.9 | 470 | 0.7 | 0.05 | 2200 | 3.2 | 5 | 2.5 | 0.5 | 0.01 | 0.31 | 0.05 | 12 |
| 99BST-284 | 0.8 | 150 | 0.8 | 0.05 | 2300 | 3.2 | 4 | 2.5 | 0.5 | 0.02 | 0.28 | 0.03 | 11 |
| 99BST-285 | 0.9 | 470 | 0.7 | 0.40 | 3200 | 3.2 | 8 | 2.5 | 0.5 | 0.15 | 0.36 | 0.06 | 15 |
| 99BST-287 | 0.6 | 150 | 0.7 | 0.05 | 2000 | 2.5 | 7 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 12 |
| 99BST-288 | 0.4 | 150 | 0.6 | 0.05 | 2400 | 1.6 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-289 | 0.6 | 150 | 0.6 | 0.05 | 2700 | 2.2 | 5 | 2.5 | 0.4 | 0.02 | 0.20 | 0.03 | 10 |
| 99BST-290 | 0.6 | 490 | 0.6 | 0.05 | 2300 | 2.3 | 4 | 2.5 | 0.4 | 0.01 | 0.18 | 0.03 | 9 |
| 99BST-291 | 0.9 | 640 | 0.8 | 0.05 | 2400 | 3.2 | 6 | 2.5 | 0.6 | 0.19 | 0.22 | 0.03 | 13 |
| 99BST-292-1 Field Duplicate | 0.6 | 560 | 0.1 | 0.05 | 1900 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.30 | 0.05 | 9 |
| 99BST-292-2 Field Duplicate | 0.4 | 440 | 0.1 | 0.05 | 2200 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.10 | 0.03 | 6 |
| 99BST-293 | 0.6 | 150 | 0.7 | 0.05 | 1500 | 2.2 | 2 | 2.5 | 0.3 | 0.02 | 0.22 | 0.03 | 7 |
| 99BST-294 | 0.6 | 520 | 0.5 | 0.05 | 1800 | 2.2 | 2 | 2.5 | 0.3 | 0.02 | 0.26 | 0.03 | 7 |
| 99BST-295 | 0.4 | 150 | 0.1 | 0.05 | 1900 | 1.5 | 4 | 2.5 | 0.2 | 0.02 | 0.10 | 0.03 | 8 |
| 99BST-296 | 0.9 | 850 | 0.8 | 0.05 | 1700 | 3.4 | 7 | 2.5 | 0.5 | 0.02 | 0.13 | 0.03 | 14 |
| 99BST-297 | 0.7 | 150 | 0.5 | 0.05 | 2300 | 2.6 | 4 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-298 | 1.1 | 430 | 1.6 | 0.60 | 1600 | 6.0 | 11 | 2.5 | 0.8 | 0.02 | 0.40 | 0.06 | 21 |
| 99BST-300 | 0.4 | 690 | 0.4 | 0.05 | 1800 | 1.4 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-301 | 0.3 | 150 | 0.4 | 0.05 | 2400 | 1.1 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 5 |
| 99BST-302-1 Field Duplicate | 0.7 | 650 | 0.5 | 0.05 | 1700 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-302-2 Field Duplicate | 0.7 | 530 | 0.5 | 0.05 | 1800 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.25 | 0.03 | 11 |
| 99BST-303 | 0.7 | 760 | 0.3 | 0.05 | 2300 | 2.4 | 4 | 11.0 | 0.4 | 0.02 | 0.26 | 0.03 | 18 |
| 99BST-304 | 0.7 | 670 | 0.6 | 0.05 | 1700 | 2.9 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 11 |
| 99BST-305 | 0.4 | 590 | 0.5 | 0.05 | 2000 | 1.8 | 2 | 2.5 | 0.3 | 0.02 | 0.15 | 0.03 | 6 |
| 99BST-307 | 0.4 | 540 | 0.5 | 0.05 | 2400 | 1.5 | 3 | 9.0 | 0.2 | 0.02 | 0.13 | 0.03 | 14 |
| 99BST-308 | 0.8 | 150 | 0.6 | 0.05 | 2000 | 3.1 | 6 | 2.5 | 0.5 | 0.02 | 0.20 | 0.03 | 12 |
| 99BST-309 | 0.3 | 440 | 0.1 | 0.05 | 2400 | 0.9 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 5 |
| 99BST-314-1 Field Duplicate | 0.4 | 580 | 0.1 | 0.50 | 2200 | 1.5 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-314-2 Field Duplicate | 0.3 | 380 | 0.4 | 0.05 | 1400 | 1.1 | 4 | 2.5 | 0.2 | 0.02 | 0.24 | 0.03 | 8 |
| 99BST-315 | 0.6 | 600 | 0.5 | 0.05 | 2700 | 2.2 | 6 | 2.5 | 0.4 | 0.20 | 0.14 | 0.03 | 11 |
| 99BST-316 Analytical Duplicate | 0.9 | 460 | 0.6 | 0.05 | 2400 | 3.0 | 6 | 2.5 | 0.5 | 0.02 | 0.19 | 0.03 | 12 |
| 99BST-316 Analytical Duplicate | 0.8 | 380 | 0.6 | 0.05 | 2200 | 3.0 | 6 | 2.5 | 0.5 | 0.19 | 0.44 | 0.03 | 13 |
| 99BST-317 | 0.6 | 150 | 0.5 | 0.05 | 2700 | 2.3 | 2 | 2.5 | 0.4 | 0.02 | 0.23 | 0.03 | 7 |
| 99BST-318 | 0.6 | 150 | 0.6 | 0.05 | 2200 | 2.1 | 2 | 2.5 | 0.4 | 0.02 | 0.13 | 0.03 | 7 |
| 99BST-319 | 0.5 | 740 | 0.4 | 0.05 | 2300 | 1.8 | 2 | 2.5 | 0.3 | 0.02 | 0.18 | 0.03 | 6 |
| 99BST-320 | 0.4 | 720 | 0.1 | 0.05 | 2900 | 1.4 | 2 | 2.5 | 0.2 | 0.02 | 0.10 | 0.03 | 6 |
| 99BST-321 | 0.7 | 1200 | 0.6 | 0.05 | 5100 | 2.2 | 5 | 2.5 | 0.3 | 0.02 | 0.21 | 0.03 | 10 |
| 99BST-322 | 0.9 | 810 | 0.7 | 0.05 | 1700 | 3.7 | 8 | 10.0 | 0.6 | 0.02 | 0.29 | 0.03 | 23 |
| 99BST-323 | 0.7 | 150 | 0.5 | 0.05 | 1500 | 3.0 | 5 | 9.0 | 0.4 | 0.02 | 0.22 | 0.03 | 18 |
| 99BST-324 | 0.6 | 150 | 0.4 | 0.05 | 2300 | 2.1 | 3 | 2.5 | 0.3 | 0.01 | 0.03 | 0.03 | 8 |
| 99BST-325 | 0.8 | 540 | 0.6 | 0.05 | 3400 | 3.1 | 7 | 2.5 | 0.5 | 0.17 | 0.20 | 0.03 | 13 |
| 99BST-326 | 0.6 | 540 | 0.7 | 0.05 | 2100 | 2.4 | 7 | 8.0 | 0.4 | 0.02 | 0.21 | 0.03 | 18 |
| 99BST-327 | 0.6 | 570 | 0.5 | 0.05 | 2800 | 2.4 | 5 | 8.0 | 0.4 | 0.02 | 0.03 | 0.03 | 16 |
| 99BST-328 | 0.3 | 560 | 0.3 | 0.05 | 1600 | 1.3 | 2 | 7.0 | 0.2 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-329-1 Field Duplicate | 0.7 | 150 | 0.6 | 0.05 | 1900 | 2.9 | 7 | 8.0 | 0.5 | 0.02 | 0.35 | 0.06 | 19 |
| 99BST-329-2 Field Duplicate | 0.9 | 730 | 0.8 | 0.05 | 1700 | 3.6 | 8 | 2.5 | 0.6 | 0.02 | 0.38 | 0.06 | 15 |
| 99BST-330 | 0.9 | 680 | 0.7 | 0.05 | 2600 | 3.3 | 7 | 2.5 | 0.5 | 0.09 | 0.37 | 0.06 | 14 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-331 | 0.5 | 620 | 0.4 | 0.05 | 2100 | 2.0 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-332 | 0.4 | 830 | 0.2 | 0.05 | 1500 | 1.6 | 3 | 2.5 | 0.3 | 0.01 | 0.03 | 0.03 | 7 |
| 99BST-333 | 0.5 | 360 | 0.4 | 0.05 | 2100 | 1.6 | 2 | 9.0 | 0.3 | 0.11 | 0.24 | 0.03 | 13 |
| 99BST-334 Analytical Duplicate | 0.6 | 150 | 0.4 | 0.05 | 1800 | 2.1 | 7 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 12 |
| 99BST-334 Analytical Duplicate | 0.6 | 410 | 0.4 | 0.05 | 1700 | 2.1 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-335 | 0.5 | 150 | 0.5 | 0.05 | 2100 | 1.9 | 5 | 9.0 | 0.3 | 0.02 | 0.03 | 0.03 | 16 |
| 99BST-336 | 0.8 | 600 | 0.8 | 0.05 | 2300 | 2.8 | 7 | 2.5 | 0.4 | 0.02 | 0.26 | 0.03 | 13 |
| 99BST-337 | 0.6 | 150 | 0.4 | 0.05 | 2100 | 2.4 | 4 | 2.5 | 0.3 | 0.02 | 0.24 | 0.03 | 9 |
| 99BST-338 | 0.3 | 550 | 0.2 | 0.05 | 1800 | 1.2 | 2 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 6 |
| 99BST-339 | 0.4 | 150 | 0.4 | 0.05 | 2100 | 1.3 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-340 | 0.3 | 550 | 0.1 | 0.05 | 2300 | 1.4 | 2 | 2.5 | 0.1 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-341 | 0.7 | 720 | 0.5 | 0.05 | 2500 | 2.8 | 9 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 15 |
| 99BST-342 | 0.6 | 560 | 0.1 | 0.05 | 2400 | 1.9 | 5 | 2.5 | 0.3 | 0.23 | 0.03 | 0.03 | 10 |
| 99BST-343 | 0.6 | 770 | 0.1 | 0.05 | 2600 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-344 | 0.4 | 320 | 0.1 | 0.05 | 2100 | 1.5 | 5 | 2.5 | 0.3 | 0.02 | 0.31 | 0.05 | 10 |
| 99BST-345 | 0.8 | 1000 | 0.7 | 0.05 | 2400 | 2.9 | 6 | 2.5 | 0.4 | 0.02 | 0.37 | 0.06 | 12 |
| 99BST-346 | 0.6 | 150 | 0.5 | 0.05 | 2900 | 2.3 | 6 | 2.5 | 0.4 | 0.02 | 0.33 | 0.05 | 12 |
| 99BST-347 | 0.5 | 900 | 0.5 | 0.05 | 2800 | 2.0 | 2 | 2.5 | 0.3 | 0.02 | 0.15 | 0.03 | 6 |
| 99BST-348 | 0.4 | 150 | 0.7 | 0.05 | 2500 | 1.7 | 6 | 2.5 | 0.3 | 0.02 | 0.12 | 0.03 | 11 |
| 99BST-349 | 0.5 | 510 | 0.4 | 0.05 | 2600 | 2.0 | 4 | 13.0 | 0.3 | 0.02 | 0.03 | 0.03 | 19 |
| 99BST-350 | 0.5 | 360 | 0.4 | 0.05 | 2200 | 1.8 | 2 | 2.5 | 0.3 | 0.02 | 0.20 | 0.03 | 6 |
| 99BST-351 | 0.3 | 150 | 0.4 | 0.05 | 2300 | 1.2 | 4 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 8 |

## Appendix V-5

# Duplicate Pair INA Analyses.

| Sample Site | UTM Easting | UTM Northing | Ash % | Au ppb | As ppm | Ba ppm | Br ppm | Ca % | Co ppm | Cr ppm | Cs ppm | Fe % | Hf ppm | K % | Mo ppm | Na ppm | Ni ppm | Rb ppm | Sb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.90 | 13 | 1.6 | 1200 | 36 | 28.3 | 8.0 | 1 | 2.8 | 0.25 | 0.5 | 24.0 | 1 | 1810 | 25 | 210 | 0.4 |
| 99BST-7 Analytical Duplicate | 380012.55 | 6085720.22 | 1.90 | 17 | 0.3 | 1200 | 40 | 28.9 | 8.0 | 5 | 2.3 | 0.22 | 0.3 | 23.6 | 1 | 1950 | 61 | 210 | 0.5 |
| 99BST-21-1 Field Duplicate | 384823.47 | 6085301.09 | 1.80 | 10 | 1.1 | 1000 | 32 | 27.0 | 5.0 | 5 | 3.3 | 0.20 | 0.5 | 20.5 | 1 | 1100 | 120 | 180 | 0.2 |
| 99BST-21-2 Field Duplicate | 384823.47 | 6085301.09 | 1.80 | 16 | 2.4 | 1400 | 34 | 25.5 | 6.0 | 7 | 2.9 | 0.35 | 0.3 | 18.8 | 1 | 1430 | 74 | 120 | 0.4 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.14 | 31 | 2.3 | 1100 | 33 | 25.3 | 11.0 | 7 | 13.0 | 0.24 | 0.3 | 21.3 | 1 | 1310 | 25 | 300 | 0.5 |
| 99BST-24 Analytical Duplicate | 383922.80 | 6083064.31 | 2.14 | 3 | 2.2 | 1100 | 32 | 26.3 | 12.0 | 7 | 12.0 | 0.25 | 0.3 | 22.6 | 1 | 1260 | 80 | 310 | 0.5 |
| 99BST-41-1 Field Duplicate | 391167.56 | 6086589.75 | 2.08 | 6 | 1.4 | 460 | 30 | 24.2 | 7.0 | 4 | 2.5 | 0.23 | 0.3 | 24.2 | 1 | 1040 | 25 | 240 | 0.2 |
| 99BST-41-2 Field Duplicate | 391167.56 | 6086589.75 | 1.65 | 11 | 1.6 | 340 | 30 | 28.3 | 6.0 | 5 | 2.5 | 0.33 | 0.3 | 20.8 | 1 | 1370 | 25 | 210 | 0.3 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 2.14 | 3 | 1.1 | 2400 | 23 | 21.5 | 8.0 | 1 | 7.9 | 0.19 | 0.5 | 28.5 | 5 | 736 | 85 | 380 | 0.3 |
| 99BST-42 Analytical Duplicate | 391238.39 | 6085940.29 | 2.14 | 6 | 0.9 | 2500 | 25 | 22.1 | 9.0 | 1 | 8.6 | 0.20 | 0.3 | 29.2 | 1 | 805 | 25 | 380 | 0.1 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 2.43 | 9 | 1.0 | 950 | 23 | 21.9 | 2.0 | 1 | 4.4 | 0.21 | 0.3 | 23.7 | 1 | 1240 | 25 | 380 | 0.3 |
| 99BST-65 Analytical Duplicate | 371421.23 | 6083690.52 | 2.43 | 9 | 1.8 | 790 | 23 | 22.4 | 3.0 | 1 | 3.9 | 0.21 | 0.3 | 25.2 | 1 | 1240 | 25 | 390 | 0.3 |
| 99BST-70-1 Field Duplicate | 377176.25 | 6084802.55 | 1.55 | 9 | 1.3 | 2200 | 27 | 20.3 | 18.0 | 5 | 42.0 | 0.23 | 0.3 | 25.7 | 1 | 1910 | 230 | 950 | 0.8 |
| 99BST-70-2 Field Duplicate | 377176.25 | 6084802.55 | 1.52 | 15 | 1.6 | 2200 | 27 | 22.3 | 18.0 | 6 | 38.0 | 0.21 | 0.3 | 26.4 | 1 | 2930 | 250 | 990 | 0.8 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 2.19 | 8 | 0.3 | 550 | 91 | 20.7 | 3.0 | 1 | 15.0 | 0.18 | 0.3 | 28.9 | 1 | 682 | 80 | 870 | 0.4 |
| 99BST-75 Analytical Duplicate | 367566.14 | 6083452.59 | 2.19 | 11 | 0.3 | 590 | 89 | 21.7 | 5.0 | 5 | 15.0 | 0.12 | 0.3 | 29.0 | 1 | 778 | 25 | 870 | 0.3 |
| 99BST-82-1 Field Duplicate | 372516.50 | 6088851.06 | 1.78 | 26 | 4.5 | 1600 | 51 | 21.6 | 5.0 | 9 | 2.6 | 0.56 | 1.5 | 20.8 | 4 | 3500 | 72 | 260 | 0.5 |
| 99BST-82-2 Field Duplicate | 372516.50 | 6088851.06 | 1.58 | 7 | 2.6 | 320 | 38 | 19.8 | 5.0 | 15 | 4.4 | 0.55 | 0.3 | 26.8 | 1 | 2210 | 64 | 420 | 0.4 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 2.19 | 3 | 1.7 | 840 | 64 | 25.4 | 5.0 | 5 | 1.6 | 0.21 | 0.3 | 23.0 | 1 | 1020 | 25 | 180 | 0.1 |
| 99BST-98 Analytical Duplicate | 360997.64 | 6086474.25 | 2.19 | 9 | 1.0 | 810 | 62 | 26.6 | 5.0 | 5 | 1.9 | 0.25 | 0.3 | 23.7 | 1 | 1100 | 96 | 150 | 0.1 |
| 99BST-101-1 Field Duplicate | 364004.46 | 6090265.61 | 2.04 | 6 | 1.2 | 980 | 23 | 26.4 | 4.0 | 6 | 3.5 | 0.26 | 0.6 | 18.0 | 1 | 1050 | 25 | 330 | 0.2 |
| 99BST-101-2 Field Duplicate | 364004.46 | 6090265.61 | 1.84 | 12 | 1.5 | 810 | 39 | 24.1 | 8.0 | 6 | 9.4 | 0.28 | 0.3 | 23.4 | 1 | 1290 | 130 | 520 | 0.3 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 2.18 | 3 | 1.5 | 740 | 38 | 23.6 | 3.0 | 1 | 2.9 | 0.22 | 0.3 | 20.1 | 1 | 904 | 25 | 230 | 0.2 |
| 99BST-109 Analytical Duplicate | 368585.13 | 6084340.09 | 2.18 | 3 | 1.6 | 820 | 42 | 24.1 | 3.0 | 4 | 2.6 | 0.21 | 0.3 | 20.7 | 1 | 938 | 25 | 230 | 0.2 |
| 99BST-124-1 Field Duplicate | 362147.22 | 6090729.66 | 2.03 | 3 | 0.9 | 790 | 36 | 21.5 | 8.0 | 5 | 5.3 | 0.24 | 0.3 | 21.9 | 1 | 1140 | 25 | 340 | 0.2 |
| 99BST-124-2 Field Duplicate | 362147.22 | 6090729.66 | 2.09 | 6 | 1.2 | 850 | 58 | 20.8 | 5.0 | 8 | 11.0 | 0.22 | 0.3 | 25.4 | 1 | 1060 | 25 | 520 | 0.3 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 2.35 | 7 | 1.3 | 1100 | 14 | 30.5 | 8.0 | 6 | 4.0 | 0.29 | 0.3 | 17.9 | 1 | 1130 | 25 | 250 | 0.2 |
| 99BST-134 Analytical Duplicate | 353845.36 | 6085793.03 | 2.35 | 6 | 1.2 | 1100 | 14 | 29.5 | 7.0 | 6 | 4.3 | 0.27 | 0.6 | 18.2 | 1 | 1150 | 25 | 260 | 0.2 |

| Sample Site | UTM | | Ash | Au | As | Ba | Br | Ca | Co | Cr | Cs | Fe | Hf | K | Mo | Na | Ni | Rb | Sb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Easting | Northing | % | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm |
| 99BST-141-1 Field Duplicate | 362142.99 | 6084076.48 | 2.04 | 14 | 1.8 | 1600 | 31 | 24.2 | 7.0 | 3 | 2.2 | 0.18 | 0.3 | 26.0 | 1 | 689 | 25 | 230 | 0.2 |
| 99BST-141-2 Field Duplicate | 362142.99 | 6084076.48 | 2.29 | 3 | 1.5 | 1400 | 51 | 26.5 | 12.0 | 1 | 1.4 | 0.19 | 0.5 | 23.2 | 1 | 867 | 25 | 160 | 0.2 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 2.00 | 3 | 1.3 | 730 | 35 | 21.4 | 4.0 | 5 | 2.3 | 0.27 | 0.3 | 21.1 | 1 | 1060 | 25 | 260 | 0.2 |
| 99BST-151 Analytical Duplicate | 379171.14 | 6087918.37 | 2.00 | 3 | 1.2 | 680 | 36 | 20.6 | 5.0 | 5 | 1.8 | 0.27 | 0.3 | 20.7 | 1 | 1050 | 25 | 250 | 0.2 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.97 | 10 | 1.6 | 1100 | 38 | 22.7 | 14.0 | 1 | 2.2 | 0.22 | 0.3 | 21.8 | 1 | 1850 | 120 | 260 | 0.2 |
| 99BST-212 Analytical Duplicate | 367569.80 | 6080402.33 | 1.97 | 7 | 1.5 | 1100 | 36 | 23.5 | 14.0 | 5 | 1.5 | 0.20 | 0.3 | 20.3 | 1 | 1780 | 25 | 280 | 0.2 |
| 99BST-219-1 Field Duplicate | 367825.77 | 6068425.98 | 2.04 | 13 | 2.1 | 970 | 56 | 25.2 | 7.0 | 7 | 2.5 | 0.27 | 0.3 | 18.0 | 1 | 1180 | 25 | 280 | 0.4 |
| 99BST-219-2 Field Duplicate | 367825.77 | 6068425.98 | 1.89 | 40 | 1.7 | 910 | 22 | 22.1 | 6.0 | 7 | 0.8 | 0.24 | 0.3 | 19.1 | 1 | 1820 | 100 | 160 | 0.3 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 2.49 | 12 | 2.1 | 640 | 34 | 25.7 | 7.0 | 8 | 1.9 | 0.35 | 0.3 | 16.9 | 1 | 2770 | 25 | 120 | 0.5 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.73 | 19 | 2.8 | 710 | 36 | 26.4 | 7.0 | 6 | 1.8 | 0.37 | 0.3 | 18.2 | 1 | 3110 | 25 | 120 | 0.6 |
| 99BST-230 Analytical Duplicate | 355405.44 | 6076684.24 | 1.73 | 38 | 1.5 | 560 | 48 | 18.1 | 7.0 | 6 | 1.3 | 0.35 | 0.8 | 20.2 | 1 | 3960 | 25 | 210 | 0.5 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 2.47 | 3 | 0.3 | 890 | 20 | 21.9 | 14.0 | 7 | 0.8 | 0.19 | 0.3 | 16.3 | 1 | 652 | 25 | 170 | 0.1 |
| 99BST-247 Analytical Duplicate | 367223.27 | 6077159.70 | 2.47 | 5 | 1.1 | 900 | 23 | 22.3 | 13.0 | 1 | 1.0 | 0.16 | 0.3 | 16.8 | 1 | 666 | 99 | 160 | 0.2 |
| 99BST-248-1 Field Duplicate | 363998.87 | 6080166.06 | 1.84 | 15 | 1.4 | 750 | 16 | 20.8 | 6.0 | 5 | 0.6 | 0.25 | 0.3 | 23.2 | 1 | 1400 | 25 | 180 | 0.2 |
| 99BST-248-2 Field Duplicate | 366434.90 | 6080165.02 | 1.73 | 6 | 1.4 | 730 | 16 | 22.4 | 5.0 | 5 | 0.6 | 0.20 | 0.3 | 20.8 | 1 | 1070 | 25 | 170 | 0.3 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 2.20 | 3 | 0.9 | 650 | 26 | 26.4 | 5.0 | 4 | 1.2 | 0.17 | 0.3 | 20.9 | 1 | 720 | 25 | 200 | 0.2 |
| 99BST-263 Analytical Duplicate | 357994.39 | 6070646.49 | 2.20 | 3 | 0.8 | 720 | 28 | 26.5 | 3.0 | 3 | 1.1 | 0.17 | 0.3 | 21.0 | 1 | 657 | 25 | 210 | 0.3 |
| 99BST-276-1 Field Duplicate | 385148.66 | 6077248.38 | 1.87 | 3 | 2.9 | 840 | 19 | 25.4 | 3.0 | 5 | 4.6 | 0.26 | 0.7 | 17.2 | 1 | 1190 | 25 | 330 | 0.3 |
| 99BST-276-2 Field Duplicate | 385148.66 | 6077248.38 | 1.97 | 3 | 3.9 | 760 | 19 | 30.0 | 3.0 | 8 | 1.4 | 0.33 | 0.8 | 15.7 | 1 | 1300 | 25 | 190 | 0.7 |
| 99BST-279 Analytical Duplicate | 376310.70 | 6077007.87 | 2.17 | 7 | 2.0 | 910 | 34 | 25.1 | 3.0 | 9 | 1.1 | 0.31 | 0.8 | 19.2 | 1 | 1490 | 25 | 110 | 0.3 |
| 99BST-279 Analytical Duplicate | 376310.70 | 6077007.87 | 2.17 | 6 | 2.0 | 970 | 33 | 23.5 | 3.0 | 4 | 1.0 | 0.31 | 1.1 | 18.0 | 1 | 1360 | 73 | 110 | 0.3 |
| 99BST-282-1 Field Duplicate | 382727.20 | 6079909.30 | 1.81 | 9 | 2.1 | 980 | 27 | 25.2 | 4.0 | 10 | 2.4 | 0.39 | 0.6 | 21.6 | 1 | 1600 | 25 | 230 | 0.5 |
| 99BST-282-2 Field Duplicate | 382727.20 | 6079909.30 | 1.62 | 5 | 1.6 | 1100 | 21 | 18.8 | 7.0 | 6 | 7.9 | 0.22 | 0.7 | 23.1 | 1 | 1290 | 100 | 440 | 0.4 |
| 99BST-292-1 Field Duplicate | 372658.22 | 6079359.51 | 1.80 | 5 | 2.0 | 960 | 36 | 22.0 | 4.0 | 7 | 4.0 | 0.26 | 0.6 | 27.3 | 1 | 1160 | 25 | 340 | 0.4 |
| 99BST-292-2 Field Duplicate | 372658.22 | 6079359.51 | 2.14 | 3 | 1.5 | 1200 | 45 | 21.9 | 9.0 | 4 | 5.3 | 0.19 | 0.3 | 23.7 | 1 | 769 | 99 | 460 | 0.3 |
| 99BST-302-1 Field Duplicate | 381825.16 | 6080640.92 | 2.27 | 3 | 2.1 | 830 | 23 | 28.3 | 4.0 | 9 | 4.1 | 0.28 | 0.5 | 18.6 | 1 | 1290 | 25 | 250 | 0.4 |
| 99BST-302-2 Field Duplicate | 381825.16 | 6080640.92 | 2.27 | 6 | 1.8 | 840 | 24 | 27.9 | 4.0 | 7 | 3.5 | 0.27 | 0.5 | 18.2 | 1 | 1250 | 25 | 250 | 0.4 |
| 99BST-314-1 Field Duplicate | 380441.27 | 6077362.52 | 1.85 | 6 | 1.2 | 1600 | 49 | 21.5 | 10.0 | 8 | 25.0 | 0.21 | 0.3 | 23.5 | 1 | 769 | 120 | 790 | 0.6 |
| 99BST-314-2 Field Duplicate | 380441.27 | 6077362.52 | 2.15 | 3 | 1.2 | 770 | 40 | 22.2 | 8.0 | 4 | 13.0 | 0.18 | 0.3 | 21.6 | 1 | 893 | 25 | 680 | 0.6 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 2.31 | 6 | 3.5 | 780 | 46 | 25.1 | 4.0 | 7 | 3.2 | 0.32 | 0.6 | 25.7 | 1 | 1520 | 25 | 280 | 0.4 |
| 99BST-316 Analytical Duplicate | 378083.67 | 6075976.30 | 2.31 | 3 | 3.1 | 790 | 43 | 22.5 | 3.0 | 6 | 2.8 | 0.29 | 0.7 | 22.3 | 1 | 1500 | 25 | 260 | 0.3 |
| 99BST-329-1 Field Duplicate | 373524.62 | 6072776.30 | 1.83 | 3 | 2.1 | 600 | 42 | 19.6 | 9.0 | 9 | 3.0 | 0.30 | 0.3 | 23.6 | 1 | 1290 | 85 | 380 | 0.3 |
| 99BST-329-2 Field Duplicate | 373524.62 | 6072776.30 | 2.03 | 7 | 2.1 | 580 | 47 | 20.3 | 8.0 | 8 | 2.6 | 0.37 | 0.6 | 24.8 | 3 | 1400 | 25 | 300 | 0.3 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 2.07 | 6 | 1.7 | 1000 | 40 | 20.6 | 5.0 | 7 | 5.7 | 0.26 | 0.8 | 23.5 | 1 | 979 | 25 | 480 | 0.3 |
| 99BST-334 Analytical Duplicate | 353630.41 | 6074080.73 | 2.07 | 7 | 1.5 | 1100 | 39 | 23.1 | 5.0 | 6 | 5.8 | 0.25 | 0.7 | 23.7 | 1 | 926 | 25 | 490 | 0.2 |

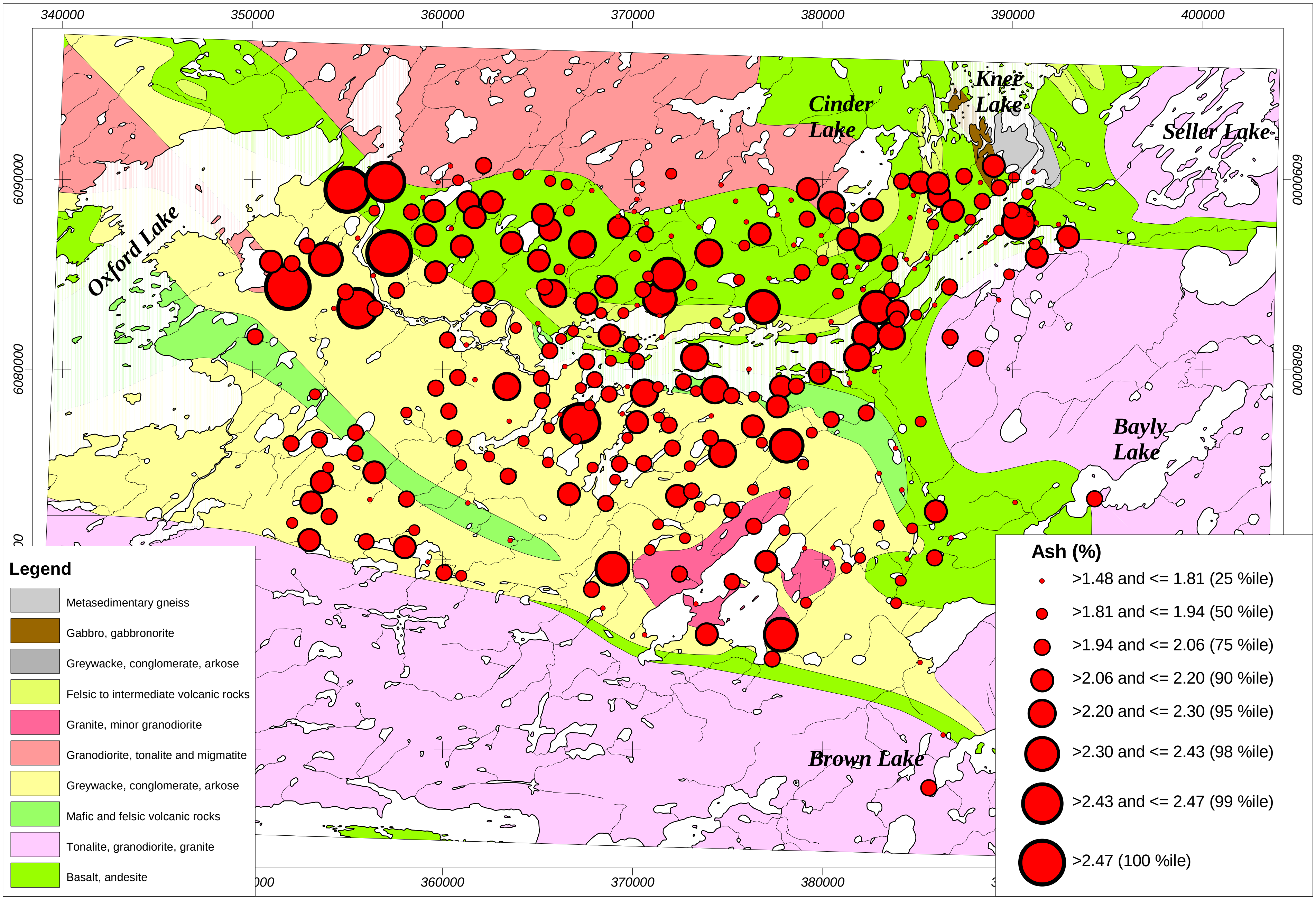
| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-7 Analytical Duplicate | 0.4 | 930 | 0.1 | 0.05 | 1700 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-7 Analytical Duplicate | 0.4 | 640 | 0.3 | 0.05 | 1800 | 1.8 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-21-1 Field Duplicate | 0.6 | 320 | 0.1 | 0.05 | 2400 | 1.7 | 3 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-21-2 Field Duplicate | 0.9 | 150 | 0.7 | 0.05 | 2900 | 2.6 | 7 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 13 |
| 99BST-24 Analytical Duplicate | 0.7 | 150 | 0.4 | 0.50 | 1400 | 1.9 | 6 | 2.5 | 0.3 | 0.02 | 0.19 | 0.03 | 11 |
| 99BST-24 Analytical Duplicate | 0.6 | 730 | 0.1 | 0.05 | 1300 | 1.6 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-41-1 Field Duplicate | 0.5 | 150 | 0.2 | 0.05 | 2600 | 1.6 | 4 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 8 |
| 99BST-41-2 Field Duplicate | 0.8 | 150 | 0.1 | 0.05 | 2500 | 2.2 | 5 | 2.5 | 0.4 | 0.02 | 0.21 | 0.03 | 10 |
| 99BST-42 Analytical Duplicate | 0.5 | 1100 | 0.3 | 0.05 | 1500 | 1.4 | 5 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-42 Analytical Duplicate | 0.5 | 730 | 0.3 | 0.05 | 1600 | 1.7 | 2 | 2.5 | 0.2 | 0.02 | 0.26 | 0.03 | 6 |
| 99BST-65 Analytical Duplicate | 0.4 | 150 | 0.4 | 0.05 | 1800 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.12 | 0.03 | 6 |
| 99BST-65 Analytical Duplicate | 0.4 | 600 | 0.7 | 0.05 | 1800 | 2.0 | 5 | 2.5 | 0.3 | 0.20 | 0.14 | 0.03 | 10 |
| 99BST-70-1 Field Duplicate | 0.5 | 150 | 0.1 | 0.05 | 2100 | 2.0 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-70-2 Field Duplicate | 0.5 | 600 | 0.4 | 0.05 | 2200 | 1.8 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-75 Analytical Duplicate | 0.3 | 150 | 0.1 | 0.05 | 1700 | 1.5 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-75 Analytical Duplicate | 0.4 | 150 | 0.1 | 0.05 | 1800 | 1.4 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-82-1 Field Duplicate | 1.6 | 610 | 1.0 | 0.05 | 2300 | 6.1 | 11 | 2.5 | 0.9 | 0.02 | 0.34 | 0.03 | 21 |
| 99BST-82-2 Field Duplicate | 1.4 | 430 | 0.7 | 0.60 | 3300 | 4.9 | 9 | 2.5 | 0.7 | 0.19 | 0.56 | 0.08 | 18 |
| 99BST-98 Analytical Duplicate | 0.6 | 370 | 0.4 | 0.05 | 1100 | 2.2 | 5 | 2.5 | 0.3 | 0.02 | 0.35 | 0.05 | 10 |
| 99BST-98 Analytical Duplicate | 0.6 | 150 | 0.1 | 0.05 | 1100 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.13 | 0.03 | 9 |
| 99BST-101-1 Field Duplicate | 0.7 | 450 | 0.5 | 0.05 | 1800 | 2.5 | 3 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 9 |
| 99BST-101-2 Field Duplicate | 0.7 | 150 | 0.3 | 0.05 | 2000 | 2.4 | 2 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 7 |
| 99BST-109 Analytical Duplicate | 0.5 | 540 | 0.4 | 0.05 | 1500 | 1.6 | 3 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-109 Analytical Duplicate | 0.5 | 150 | 0.1 | 0.05 | 1600 | 1.8 | 4 | 2.5 | 0.2 | 0.02 | 0.17 | 0.03 | 9 |
| 99BST-124-1 Field Duplicate | 0.6 | 150 | 0.4 | 0.05 | 1700 | 2.2 | 4 | 2.5 | 0.3 | 0.14 | 0.25 | 0.03 | 9 |
| 99BST-124-2 Field Duplicate | 0.6 | 320 | 0.1 | 0.05 | 1700 | 2.0 | 4 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 9 |
| 99BST-134 Analytical Duplicate | 0.8 | 150 | 0.5 | 0.05 | 1300 | 2.9 | 4 | 2.5 | 0.4 | 0.02 | 0.19 | 0.03 | 10 |
| 99BST-134 Analytical Duplicate | 0.7 | 400 | 0.4 | 0.05 | 1200 | 2.6 | 7 | 2.5 | 0.4 | 0.02 | 0.21 | 0.03 | 13 |

| Sample Site | Sc ppm | Sr ppm | Th ppm | U ppm | Zn ppm | La ppm | Ce ppm | Nd ppm | Sm ppm | Eu ppm | Tb ppm | Lu ppm | TREE ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99BST-141-1 Field Duplicate | 0.4 | 410 | 0.4 | 0.05 | 1700 | 1.5 | 3 | 2.5 | 0.2 | 0.01 | 0.03 | 0.03 | 7 |
| 99BST-141-2 Field Duplicate | 0.5 | 630 | 0.4 | 0.05 | 2100 | 1.6 | 3 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 7 |
| 99BST-151 Analytical Duplicate | 0.7 | 150 | 0.4 | 0.05 | 2500 | 2.4 | 3 | 2.5 | 0.4 | 0.01 | 0.12 | 0.03 | 8 |
| 99BST-151 Analytical Duplicate | 0.7 | 150 | 0.5 | 0.05 | 2500 | 2.3 | 2 | 8.0 | 0.4 | 0.01 | 0.20 | 0.03 | 12 |
| 99BST-212 Analytical Duplicate | 0.4 | 460 | 0.1 | 0.05 | 1800 | 1.3 | 4 | 2.5 | 0.2 | 0.02 | 0.18 | 0.03 | 8 |
| 99BST-212 Analytical Duplicate | 0.4 | 440 | 0.3 | 0.05 | 1700 | 1.5 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-219-1 Field Duplicate | 0.7 | 530 | 0.5 | 0.05 | 1800 | 2.4 | 5 | 2.5 | 0.4 | 0.19 | 0.22 | 0.03 | 11 |
| 99BST-219-2 Field Duplicate | 0.6 | 150 | 0.5 | 0.05 | 2200 | 1.9 | 3 | 2.5 | 0.3 | 0.01 | 0.15 | 0.03 | 8 |
| 99BST-230 Analytical Duplicate | 0.8 | 700 | 0.7 | 0.05 | 1300 | 3.0 | 5 | 2.5 | 0.5 | 0.18 | 0.27 | 0.03 | 11 |
| 99BST-230 Analytical Duplicate | 0.8 | 590 | 0.6 | 0.05 | 1300 | 3.0 | 5 | 2.5 | 0.5 | 0.02 | 0.26 | 0.03 | 11 |
| 99BST-230 Analytical Duplicate | 0.8 | 150 | 0.6 | 0.05 | 1800 | 3.2 | 6 | 2.5 | 0.5 | 0.02 | 0.03 | 0.03 | 12 |
| 99BST-247 Analytical Duplicate | 0.3 | 600 | 0.3 | 0.05 | 1200 | 1.3 | 2 | 2.5 | 0.2 | 0.01 | 0.03 | 0.03 | 6 |
| 99BST-247 Analytical Duplicate | 0.4 | 660 | 0.1 | 0.05 | 1300 | 1.4 | 2 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-248-1 Field Duplicate | 0.5 | 1300 | 0.4 | 0.05 | 1300 | 1.8 | 2 | 2.5 | 0.3 | 0.01 | 0.20 | 0.03 | 6 |
| 99BST-248-2 Field Duplicate | 0.4 | 1100 | 0.1 | 0.05 | 2200 | 1.2 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 5 |
| 99BST-263 Analytical Duplicate | 0.3 | 560 | 0.3 | 0.05 | 1600 | 0.9 | 2 | 6.0 | 0.3 | 0.12 | 0.20 | 0.03 | 9 |
| 99BST-263 Analytical Duplicate | 0.3 | 650 | 0.3 | 0.05 | 1700 | 1.2 | 2 | 2.5 | 0.2 | 0.01 | 0.13 | 0.03 | 6 |
| 99BST-276-1 Field Duplicate | 0.6 | 150 | 0.5 | 0.05 | 1600 | 2.6 | 5 | 2.5 | 0.4 | 0.16 | 0.18 | 0.03 | 11 |
| 99BST-276-2 Field Duplicate | 0.8 | 480 | 0.6 | 0.05 | 2100 | 3.2 | 5 | 2.5 | 0.5 | 0.01 | 0.30 | 0.03 | 12 |
| 99BST-279 Analytical Duplicate | 0.8 | 510 | 0.7 | 0.05 | 3100 | 3.1 | 7 | 2.5 | 0.5 | 0.02 | 0.30 | 0.05 | 13 |
| 99BST-279 Analytical Duplicate | 0.8 | 700 | 0.6 | 0.05 | 3100 | 2.8 | 5 | 2.5 | 0.4 | 0.27 | 0.31 | 0.05 | 11 |
| 99BST-282-1 Field Duplicate | 1.0 | 510 | 1.0 | 0.05 | 2600 | 3.6 | 7 | 2.5 | 0.6 | 0.02 | 0.20 | 0.03 | 14 |
| 99BST-282-2 Field Duplicate | 0.6 | 150 | 0.6 | 0.05 | 1900 | 2.3 | 5 | 2.5 | 0.3 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-292-1 Field Duplicate | 0.6 | 560 | 0.1 | 0.05 | 1900 | 2.2 | 4 | 2.5 | 0.3 | 0.02 | 0.30 | 0.05 | 9 |
| 99BST-292-2 Field Duplicate | 0.4 | 440 | 0.1 | 0.05 | 2200 | 1.7 | 2 | 2.5 | 0.3 | 0.02 | 0.10 | 0.03 | 6 |
| 99BST-302-1 Field Duplicate | 0.7 | 650 | 0.5 | 0.05 | 1700 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |
| 99BST-302-2 Field Duplicate | 0.7 | 530 | 0.5 | 0.05 | 1800 | 2.4 | 5 | 2.5 | 0.4 | 0.02 | 0.25 | 0.03 | 11 |
| 99BST-314-1 Field Duplicate | 0.4 | 580 | 0.1 | 0.50 | 2200 | 1.5 | 2 | 2.5 | 0.2 | 0.02 | 0.03 | 0.03 | 6 |
| 99BST-314-2 Field Duplicate | 0.3 | 380 | 0.4 | 0.05 | 1400 | 1.1 | 4 | 2.5 | 0.2 | 0.02 | 0.24 | 0.03 | 8 |
| 99BST-316 Analytical Duplicate | 0.9 | 460 | 0.6 | 0.05 | 2400 | 3.0 | 6 | 2.5 | 0.5 | 0.02 | 0.19 | 0.03 | 12 |
| 99BST-316 Analytical Duplicate | 0.8 | 380 | 0.6 | 0.05 | 2200 | 3.0 | 6 | 2.5 | 0.5 | 0.19 | 0.44 | 0.03 | 13 |
| 99BST-329-1 Field Duplicate | 0.7 | 150 | 0.6 | 0.05 | 1900 | 2.9 | 7 | 8.0 | 0.5 | 0.02 | 0.35 | 0.06 | 19 |
| 99BST-329-2 Field Duplicate | 0.9 | 730 | 0.8 | 0.05 | 1700 | 3.6 | 8 | 2.5 | 0.6 | 0.02 | 0.38 | 0.06 | 15 |
| 99BST-334 Analytical Duplicate | 0.6 | 150 | 0.4 | 0.05 | 1800 | 2.1 | 7 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 12 |
| 99BST-334 Analytical Duplicate | 0.6 | 410 | 0.4 | 0.05 | 1700 | 2.1 | 5 | 2.5 | 0.4 | 0.02 | 0.03 | 0.03 | 10 |

Appendix V-6: INAA Percentile Bubble Plots.

| | | | | |
|---|---|---|---|---|
| Ash | Au | As | Ba | Br |
| Ca | Co | Cr | Cs | Fe |
| Hf | K | Mo | Na | Ni |
| Rb | Sb | Sc | Sr | Th |
| U | Zn | Total REE | | |

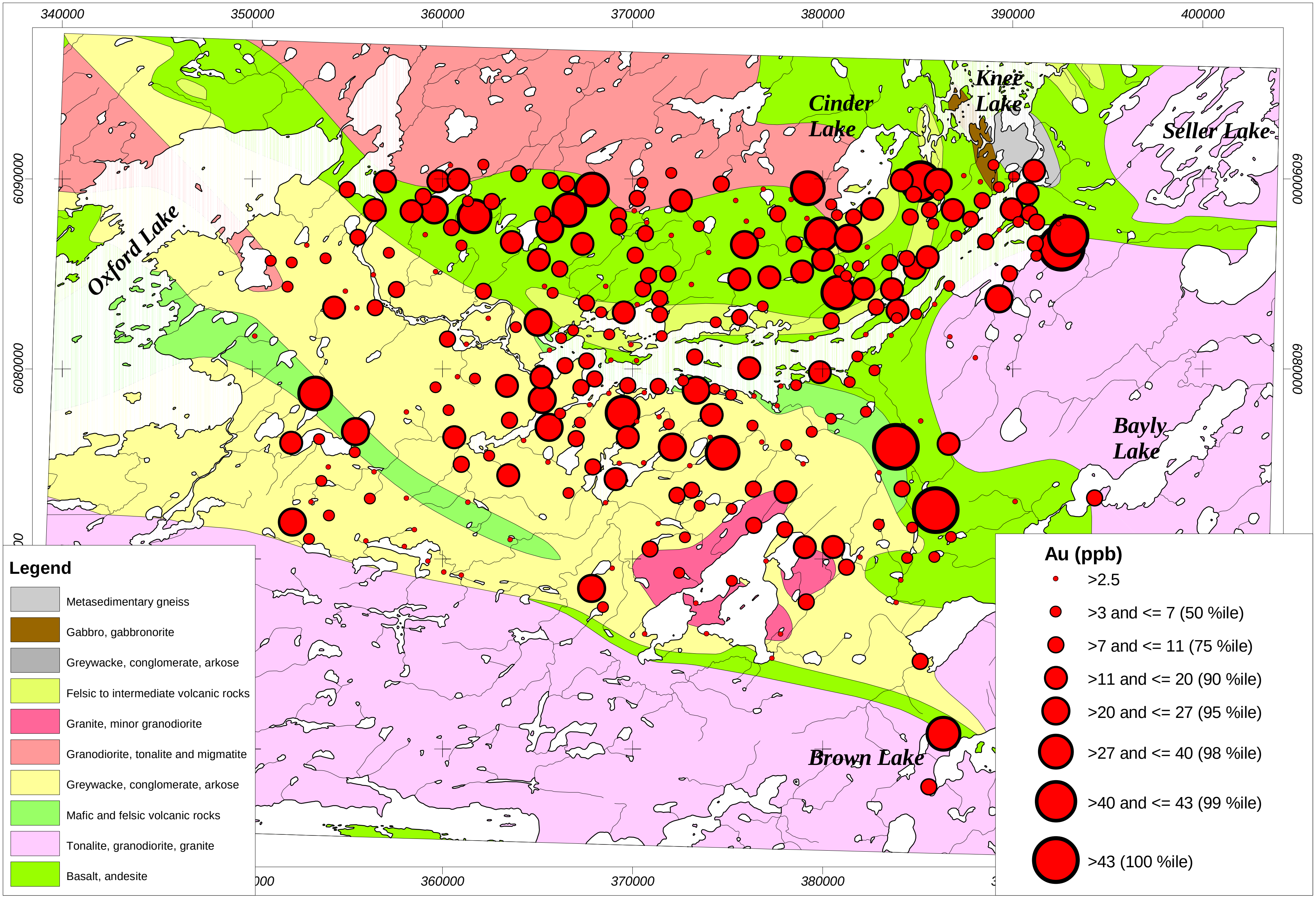
CONTENTS




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-1

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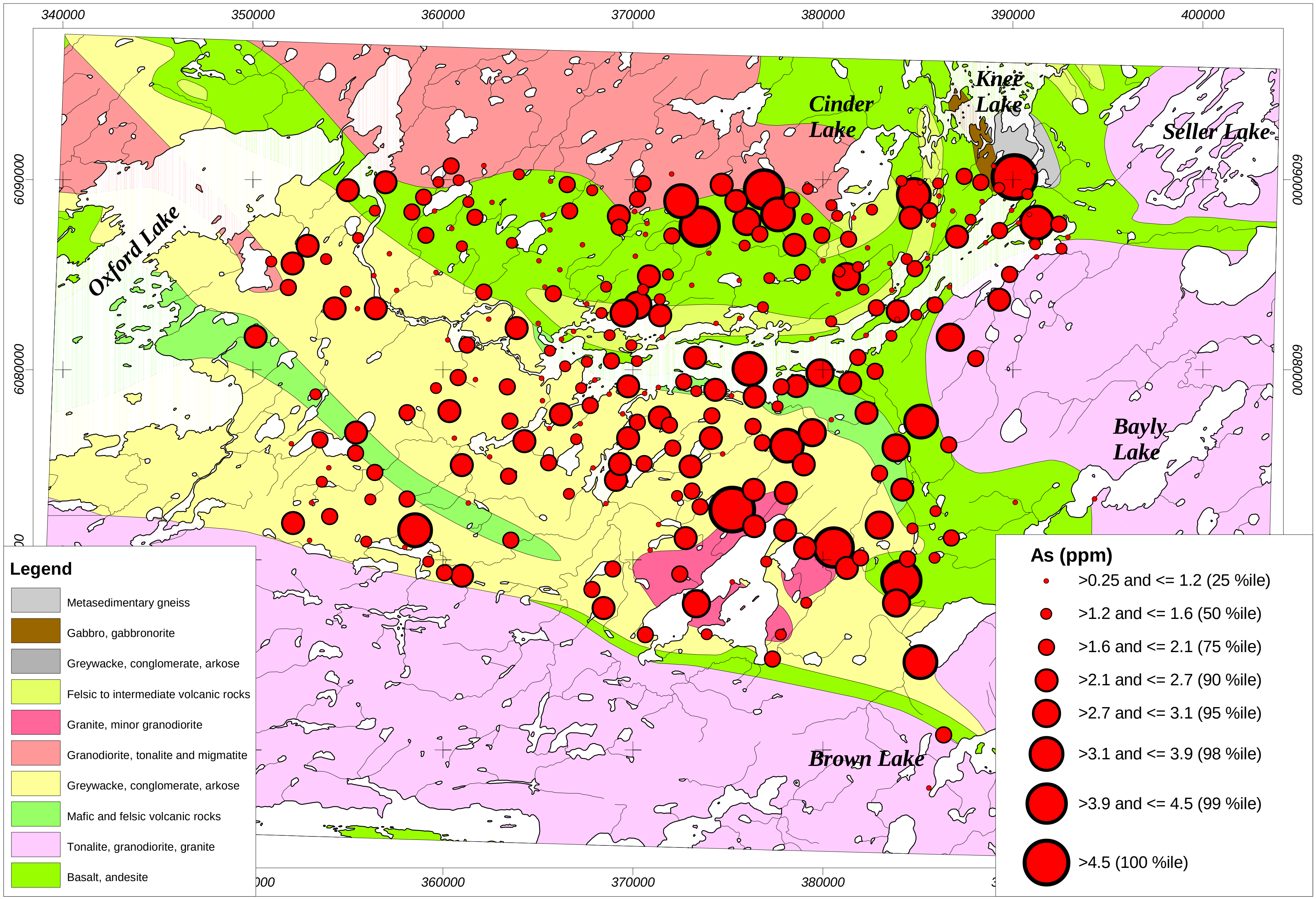
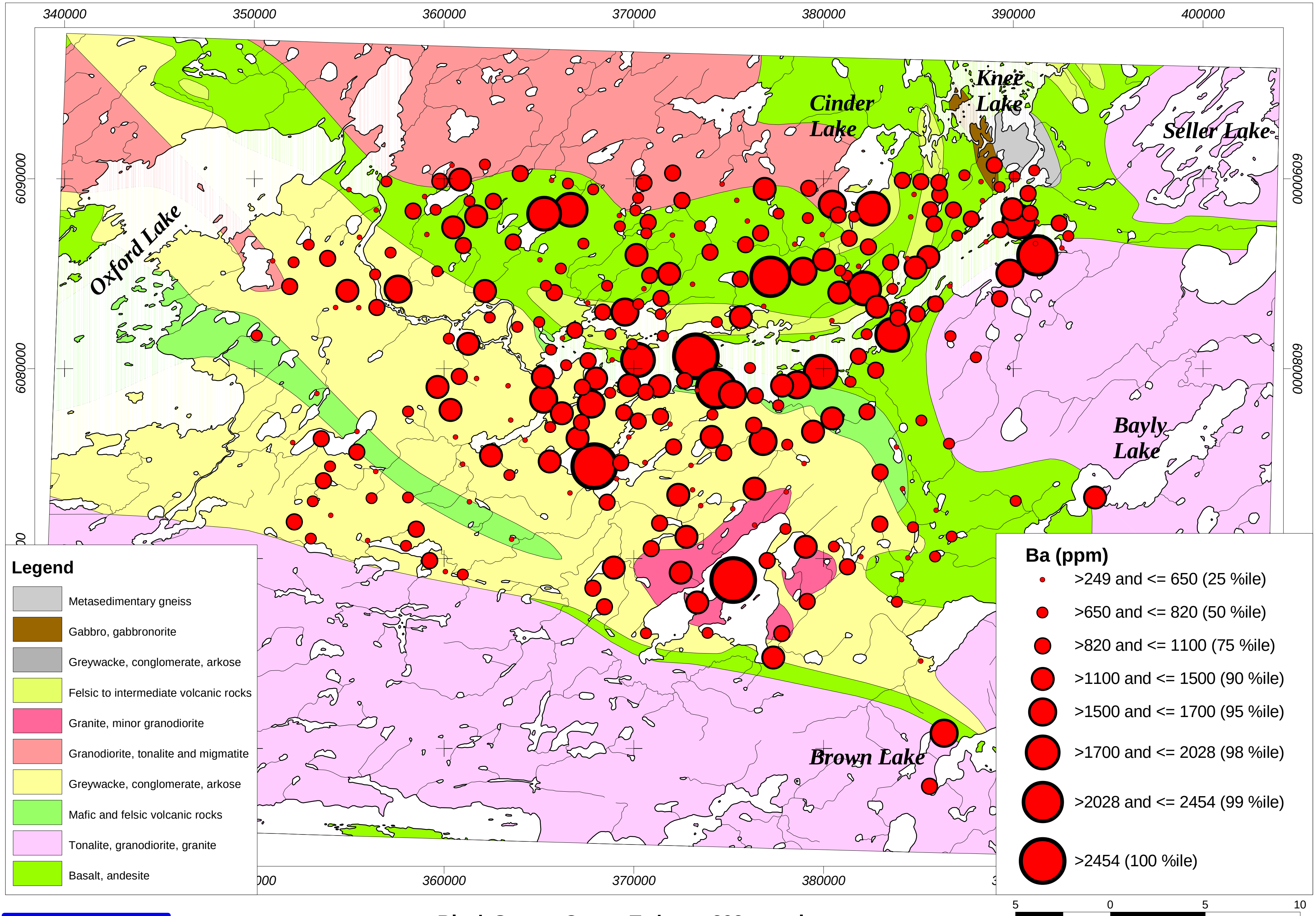
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-2




**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-3

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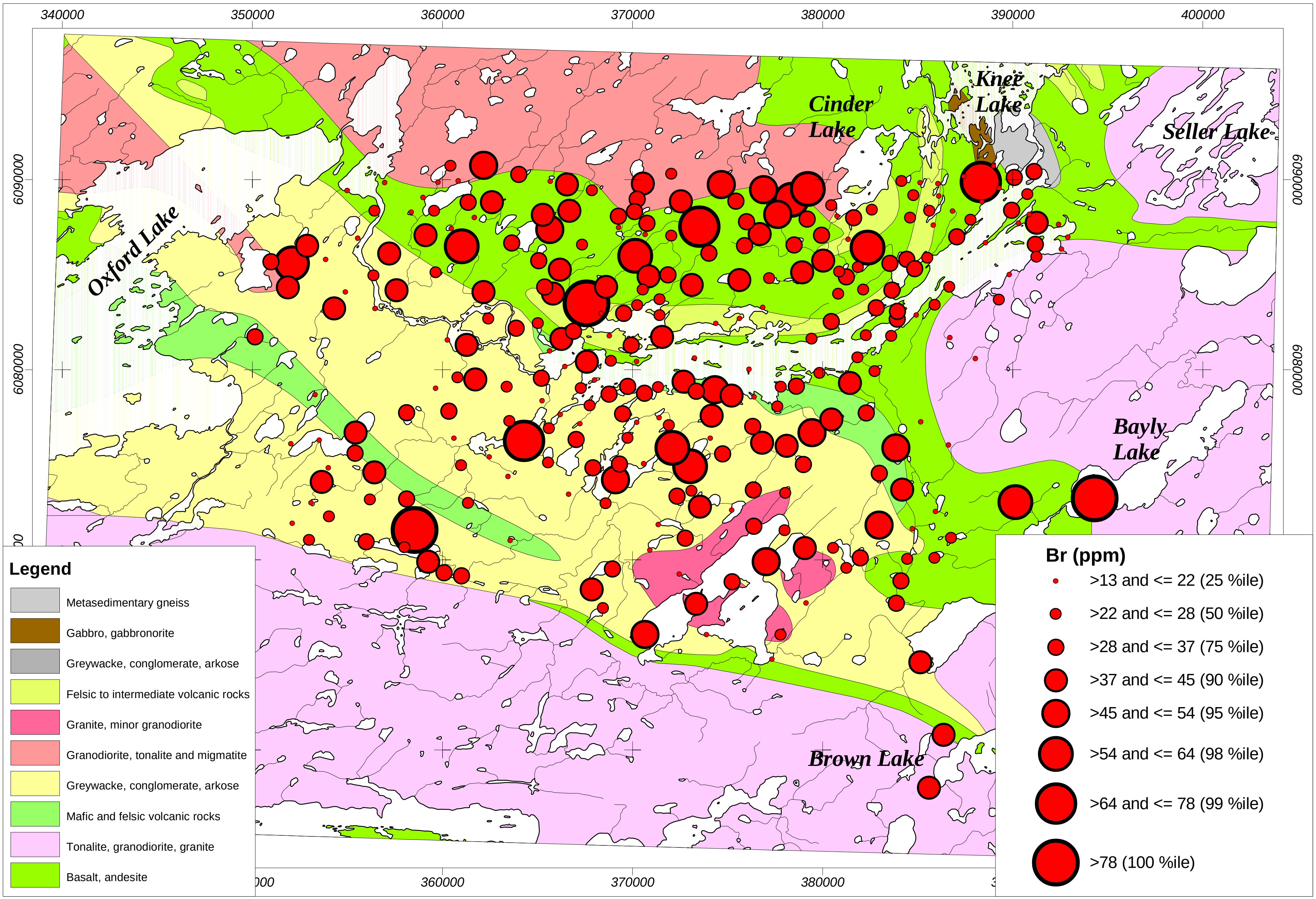
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-4

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**Black Spruce Crown Twigs - 293 samples**
**INAA**

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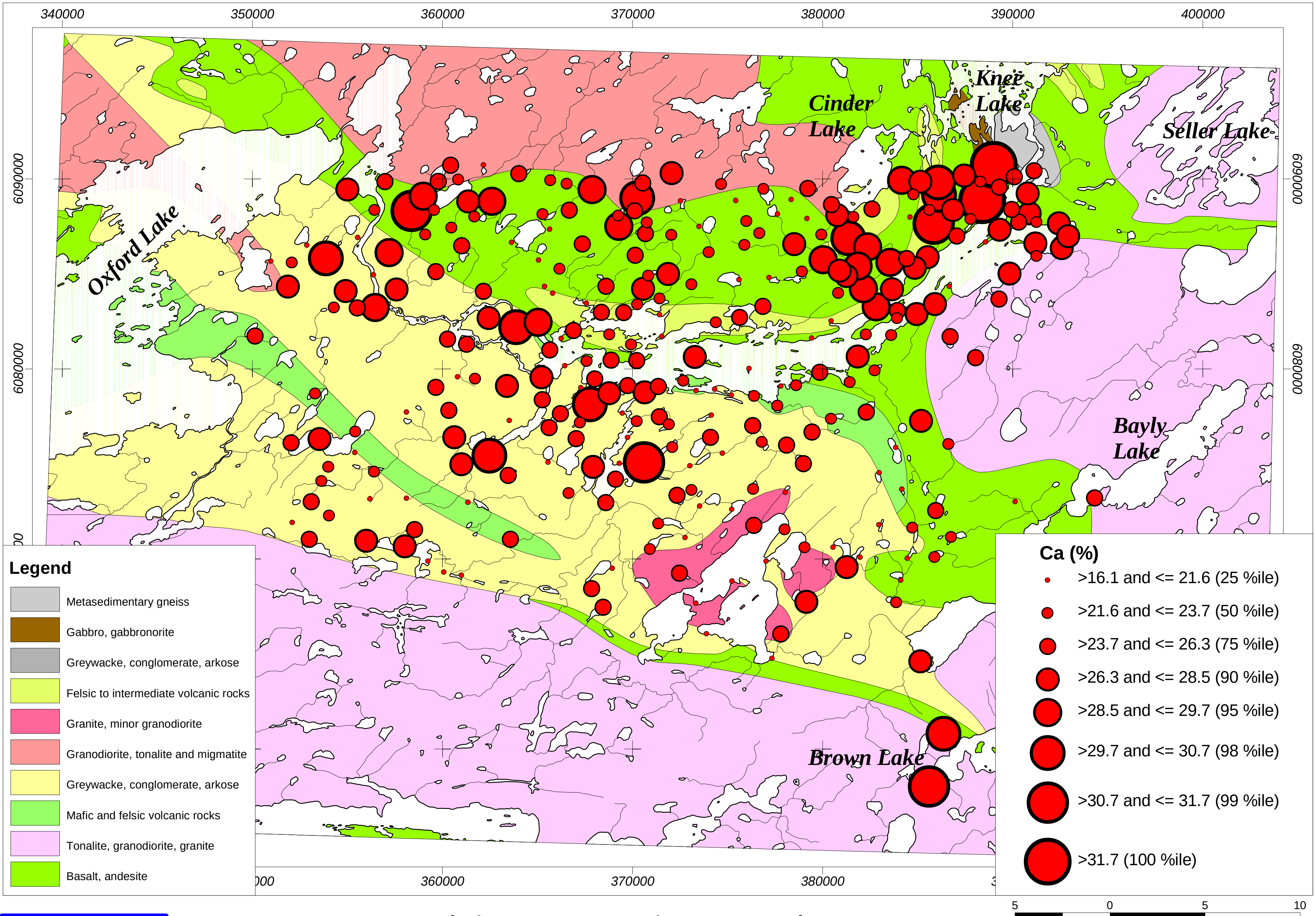


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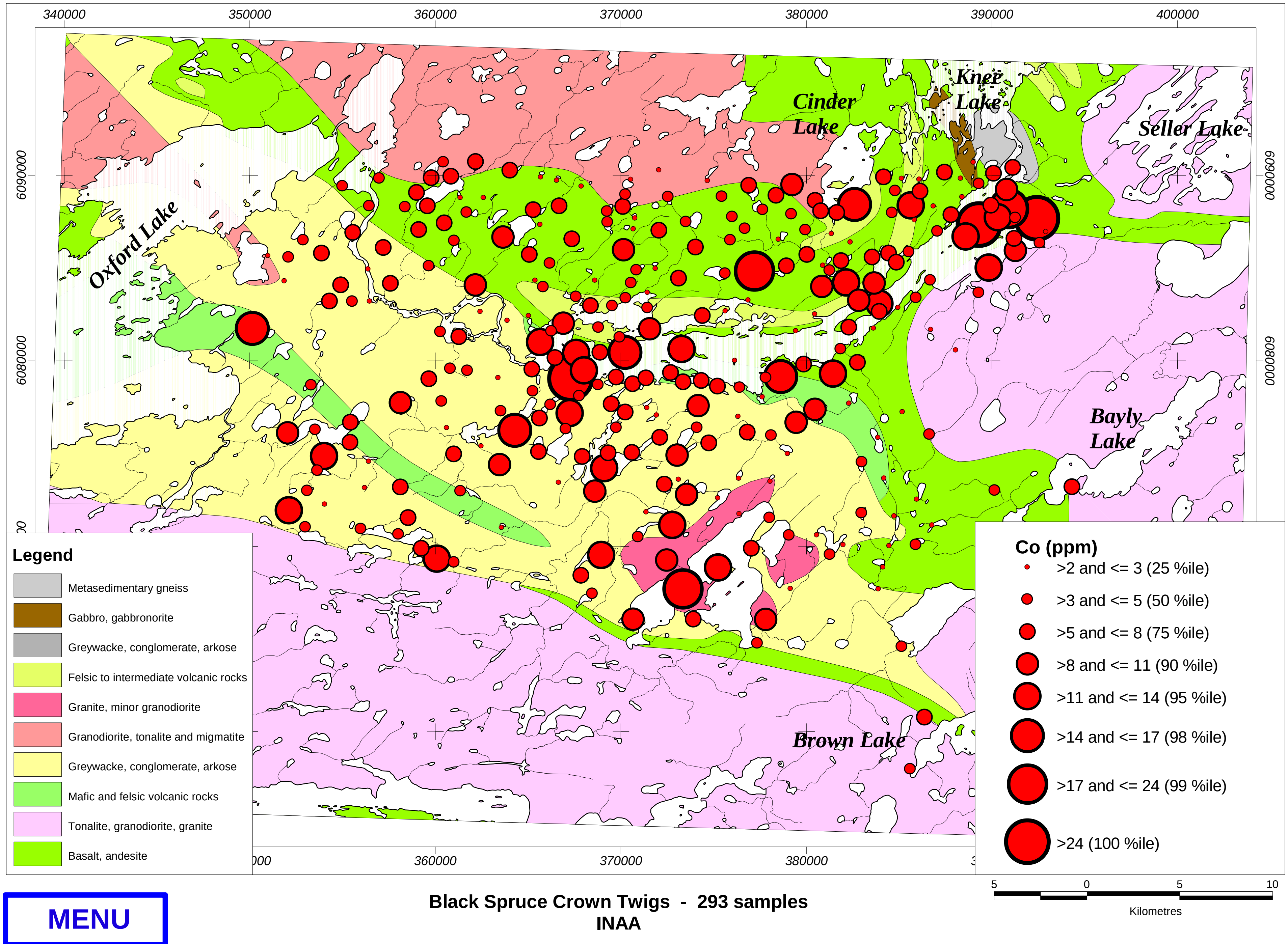
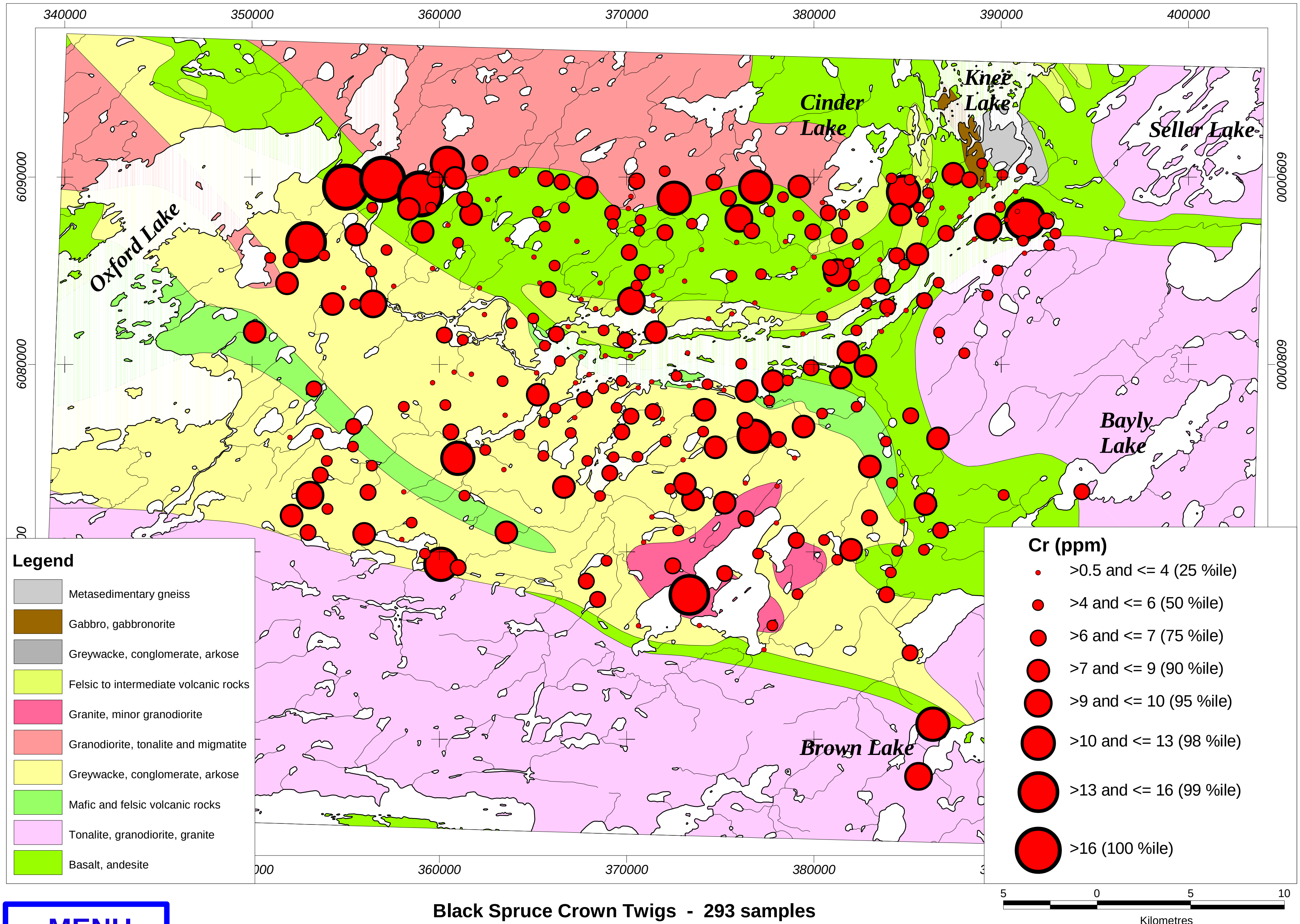
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-6




**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-7

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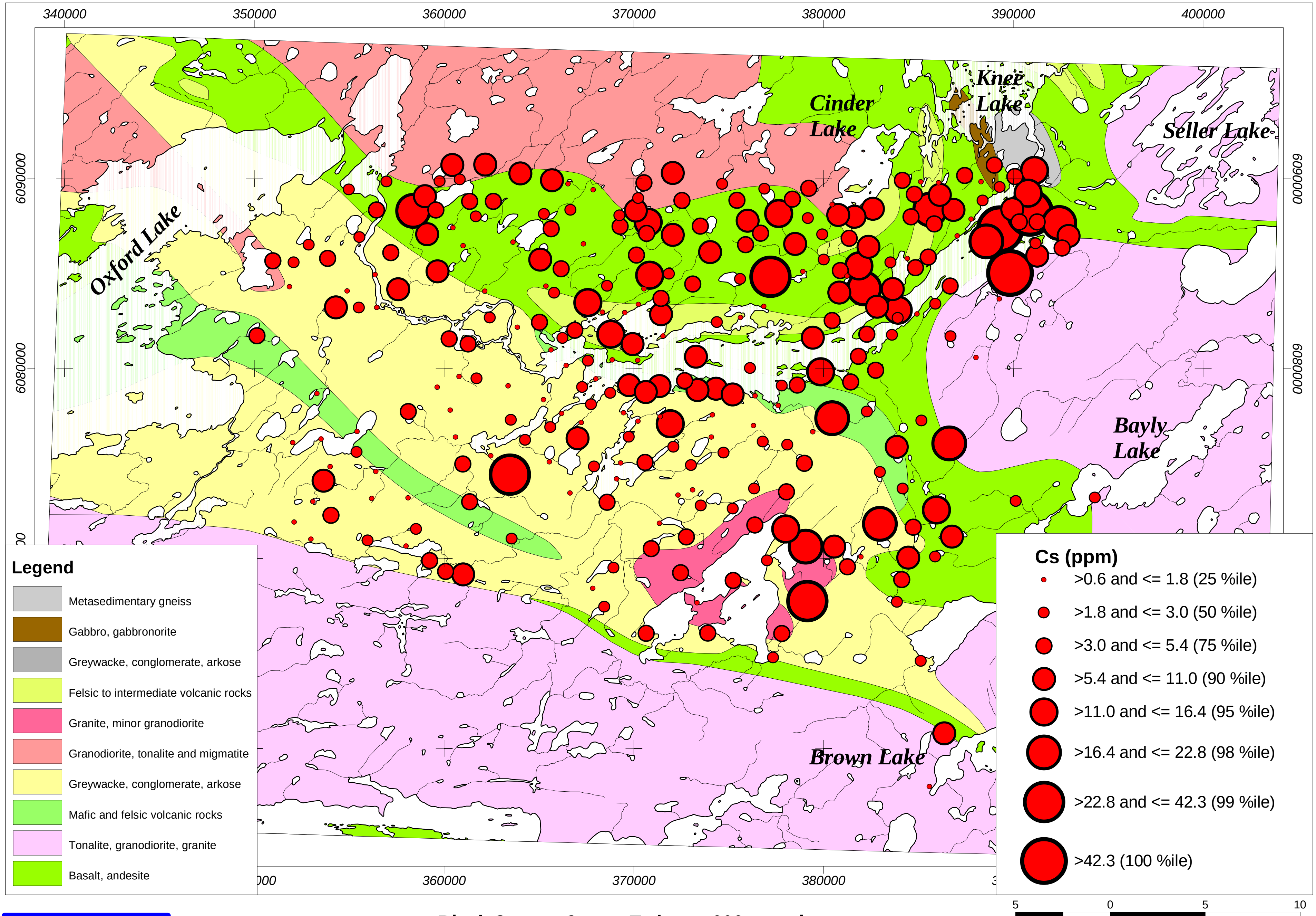
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-8

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**Black Spruce Crown Twigs - 293 samples**
**INAA**

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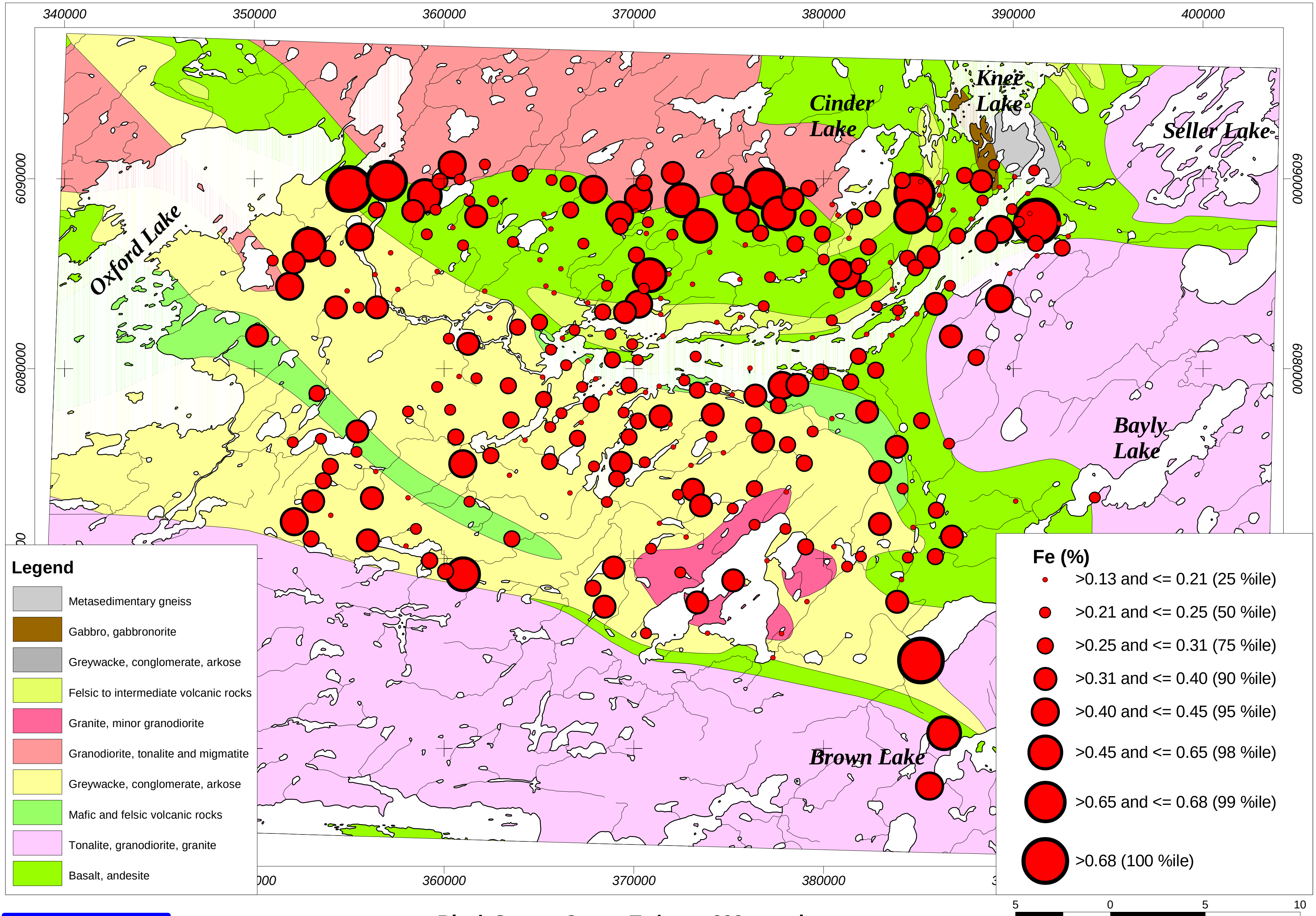


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**Black Spruce Crown Twigs - 293 samples**
**INAA**

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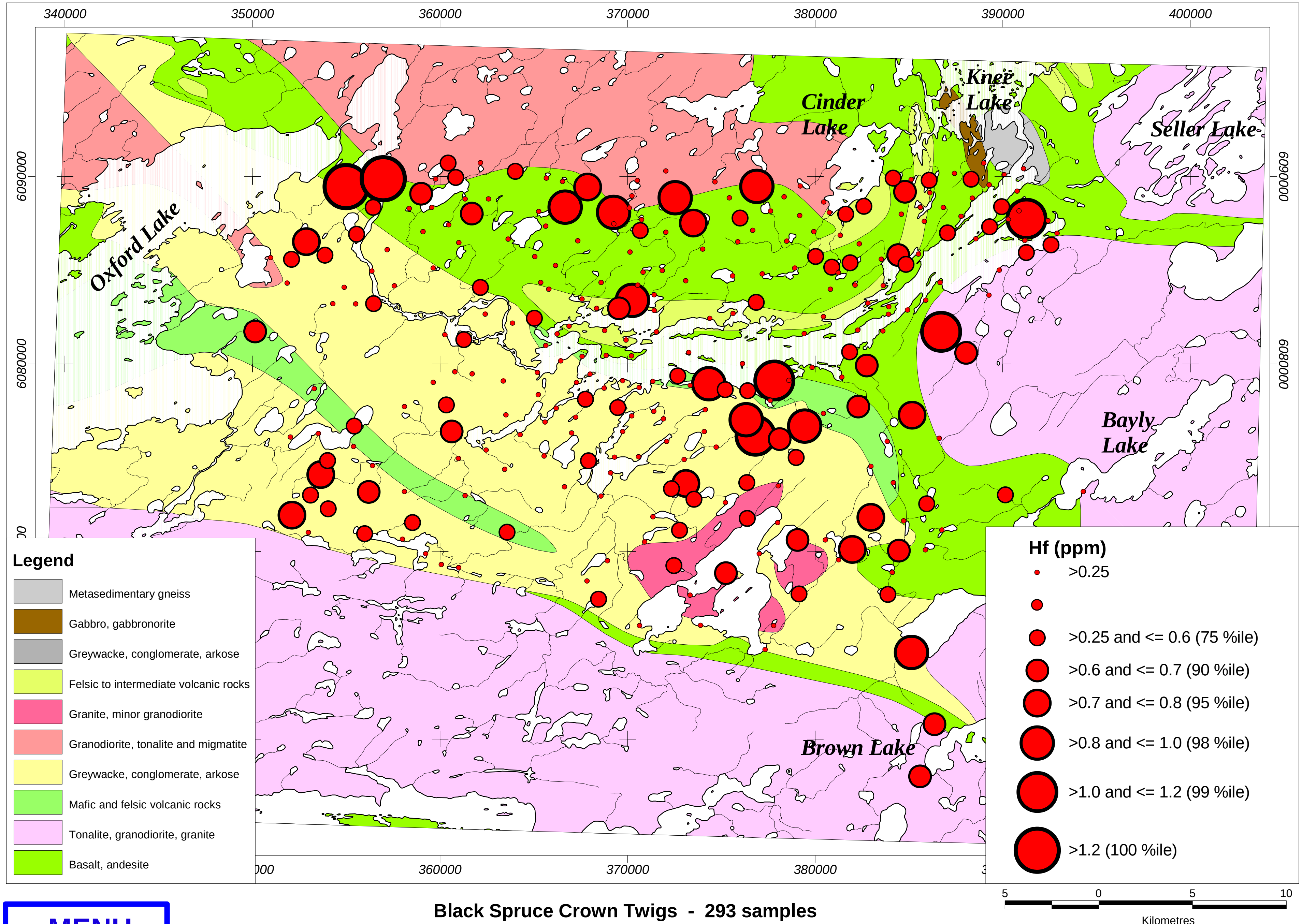


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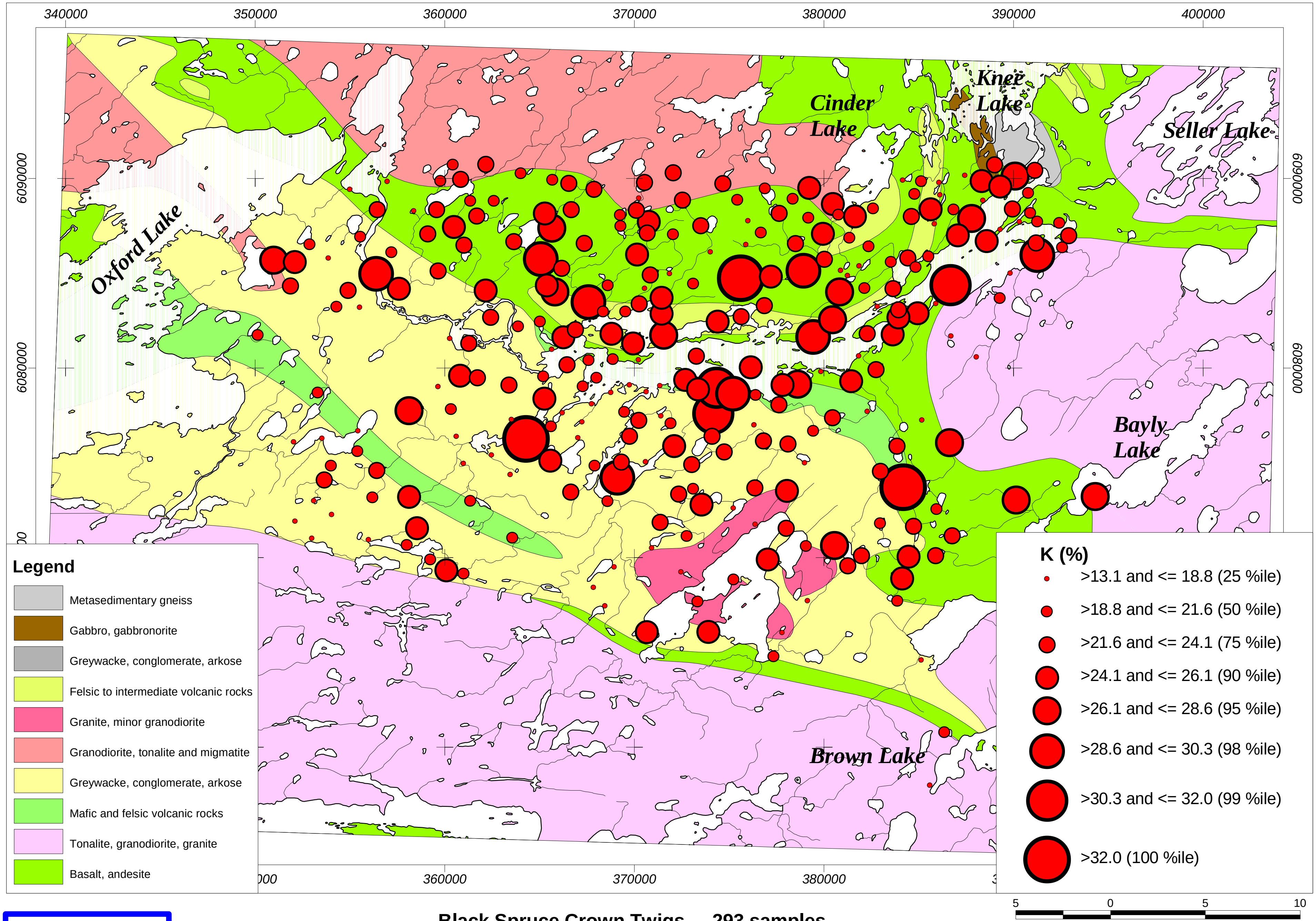
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-11

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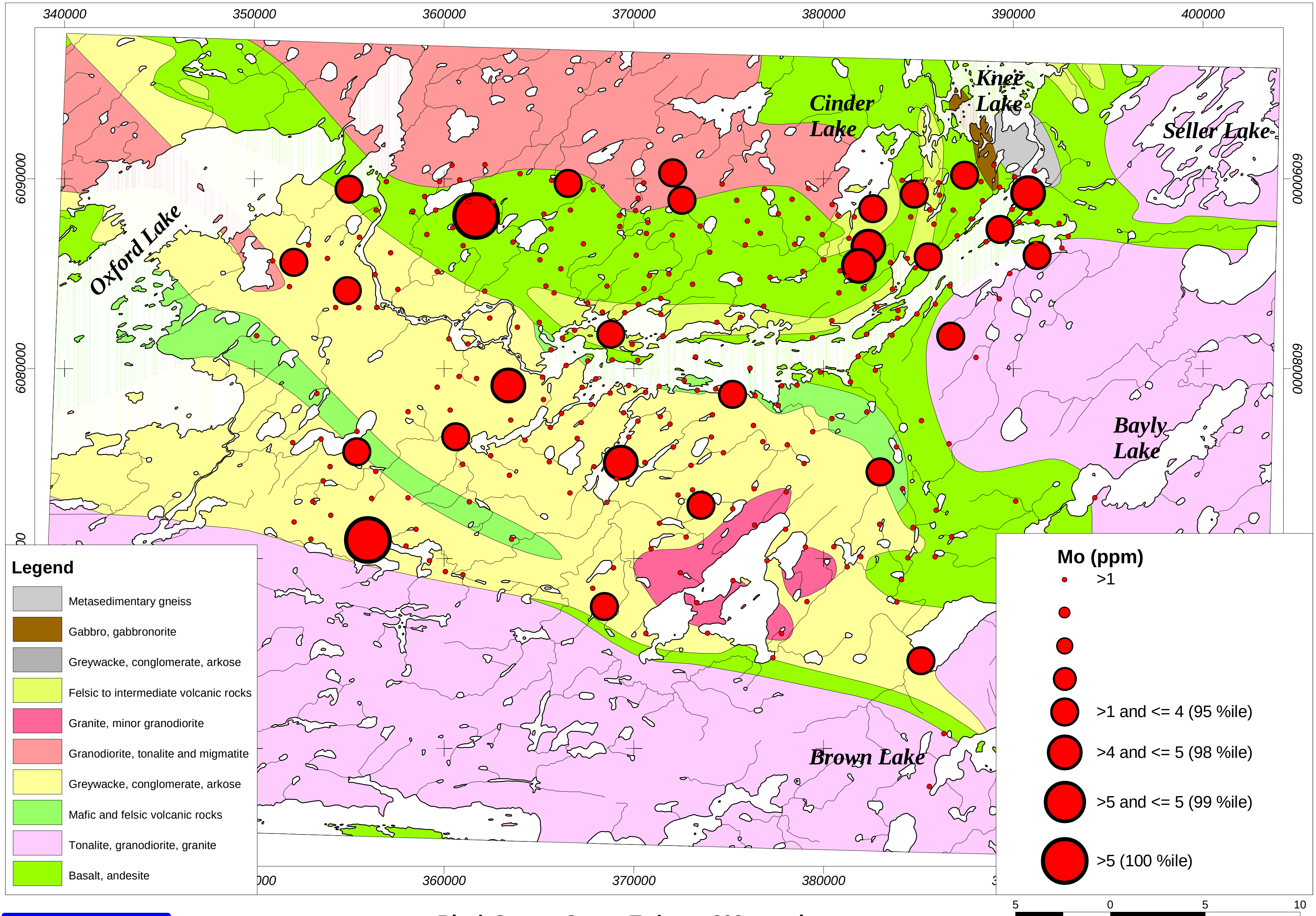
**Black Spruce Crown Twigs - 293 samples**
**INAA**

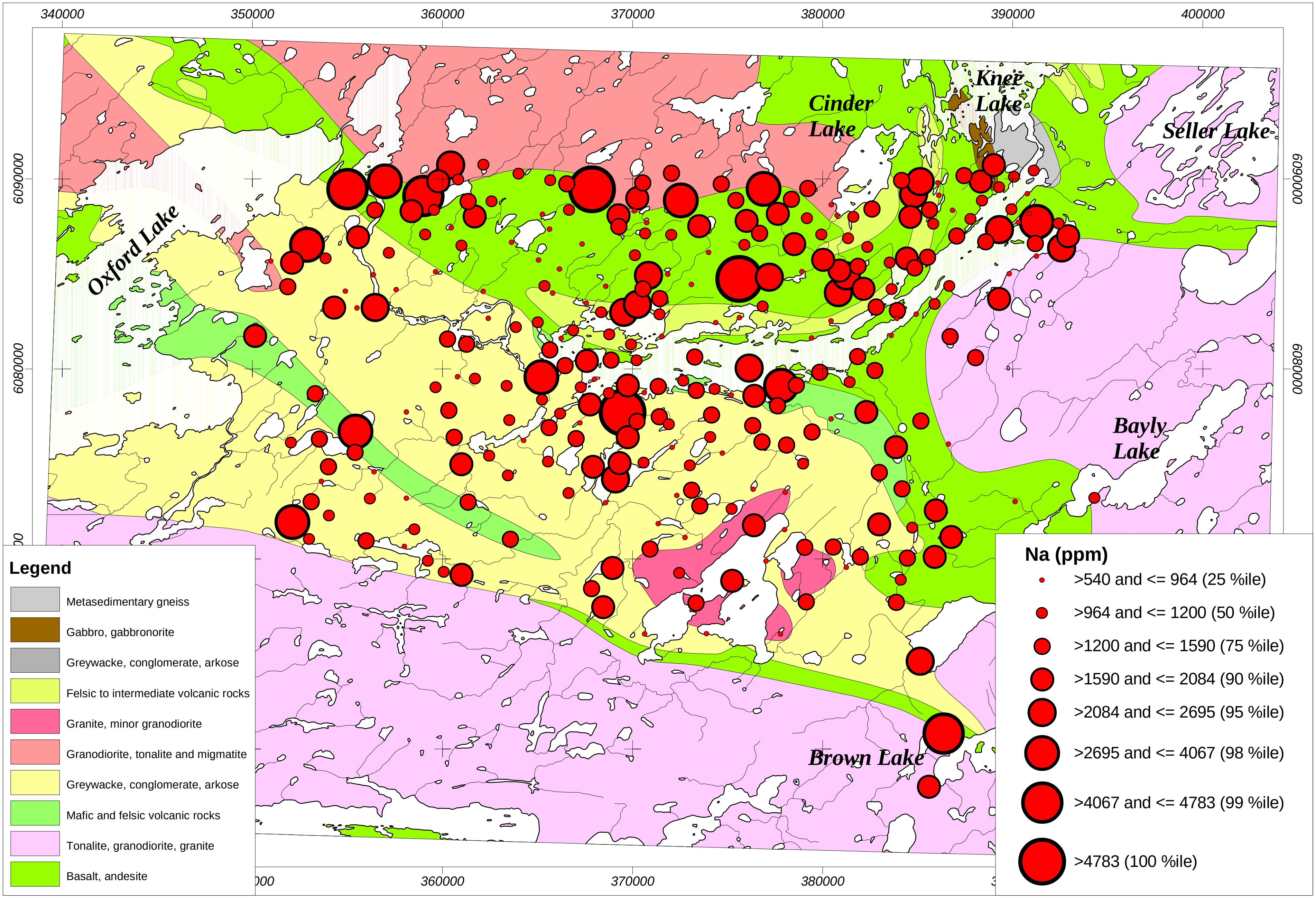
Appendix V-6-12




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**

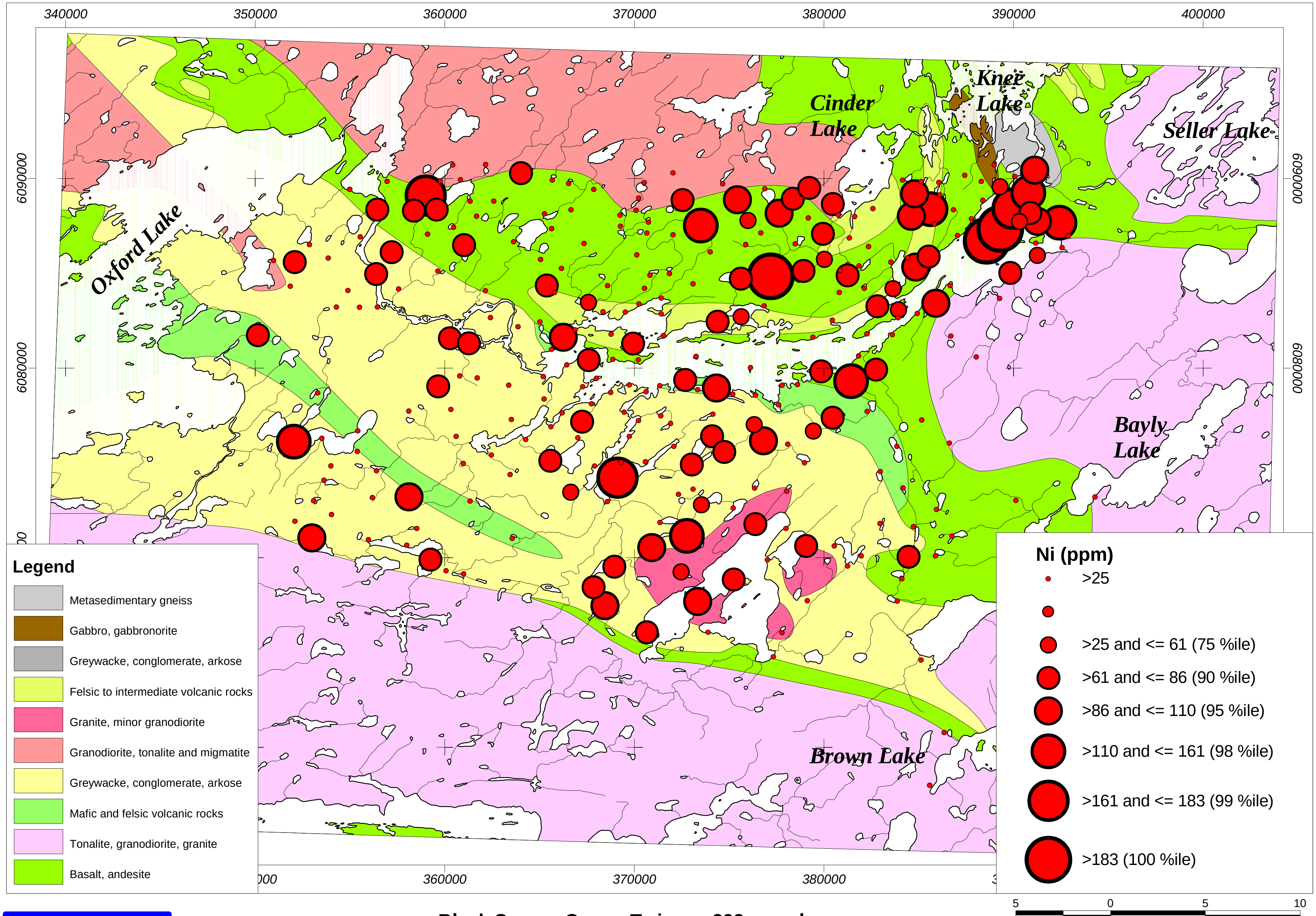
Appendix V-6-13




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**

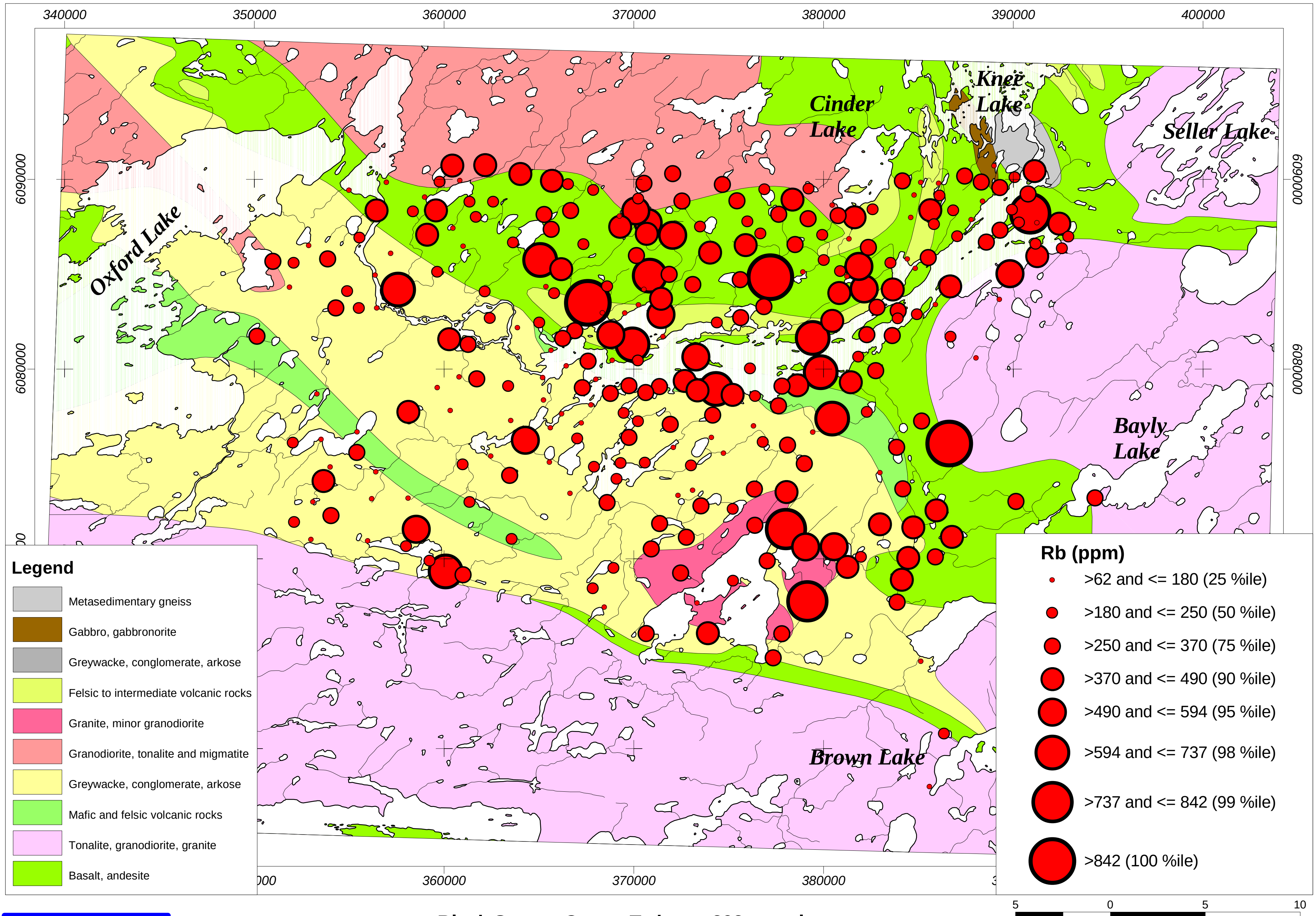
Appendix V-6-14




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**

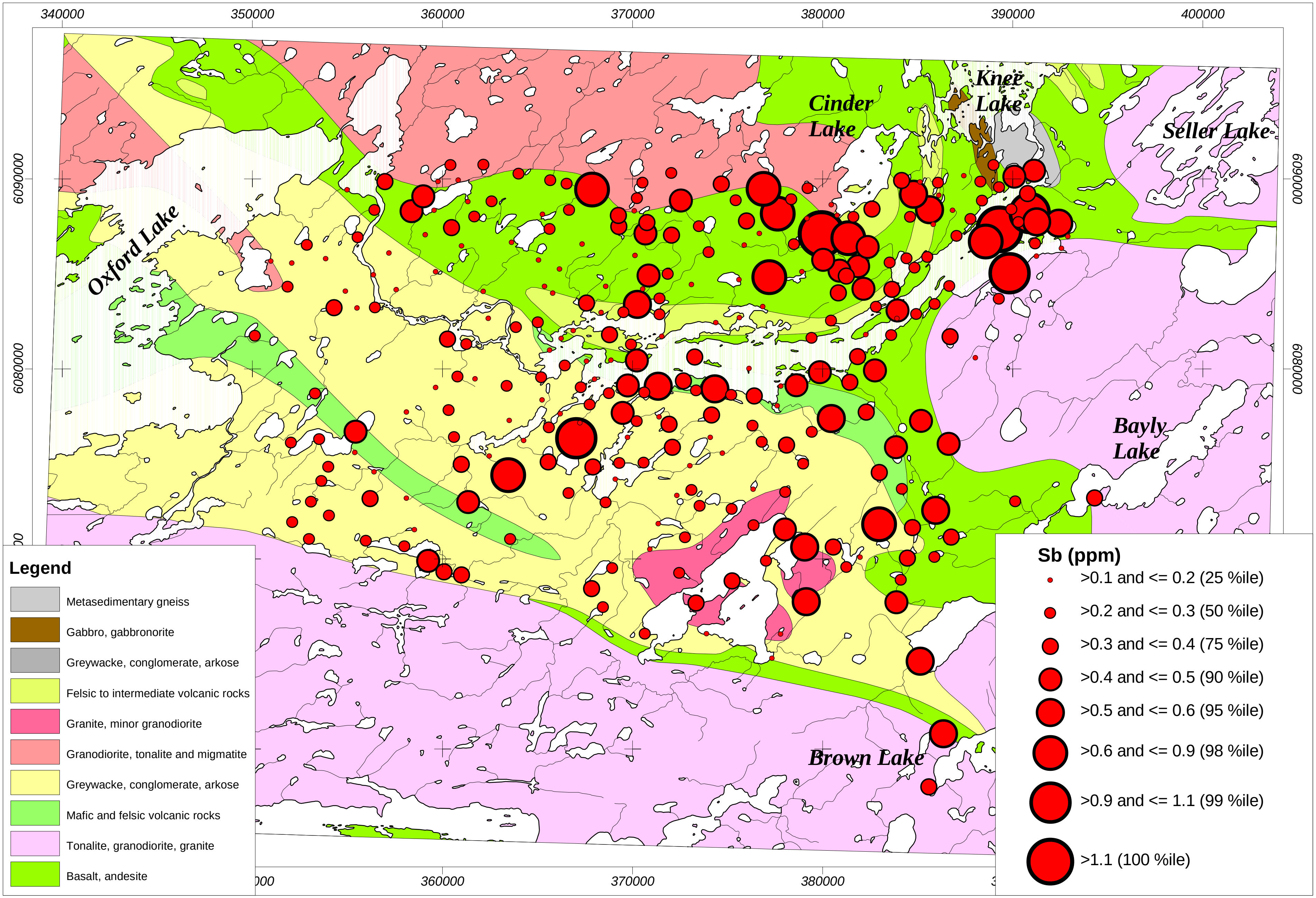
Appendix V-6-15




MENU

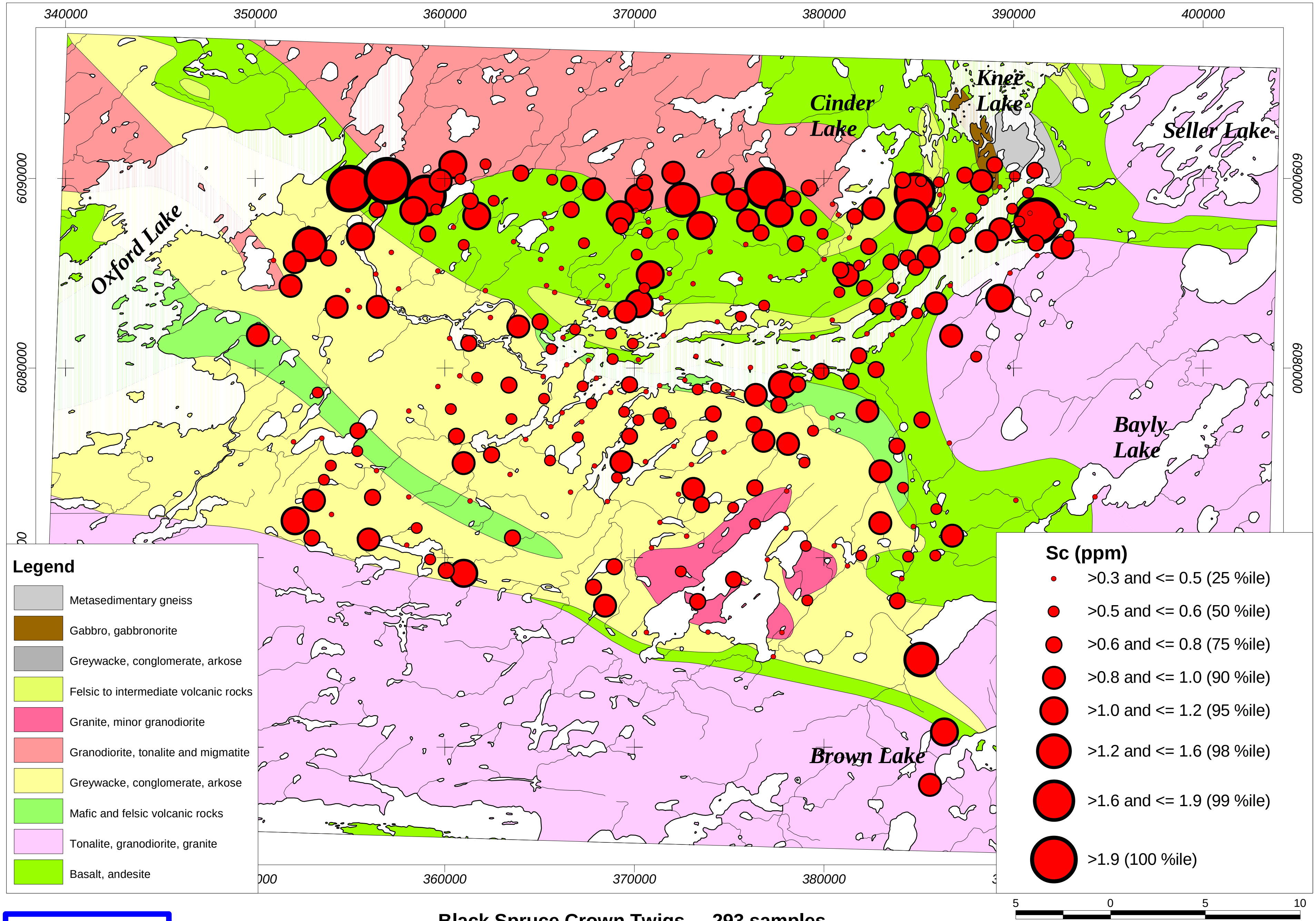
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-16




MENU

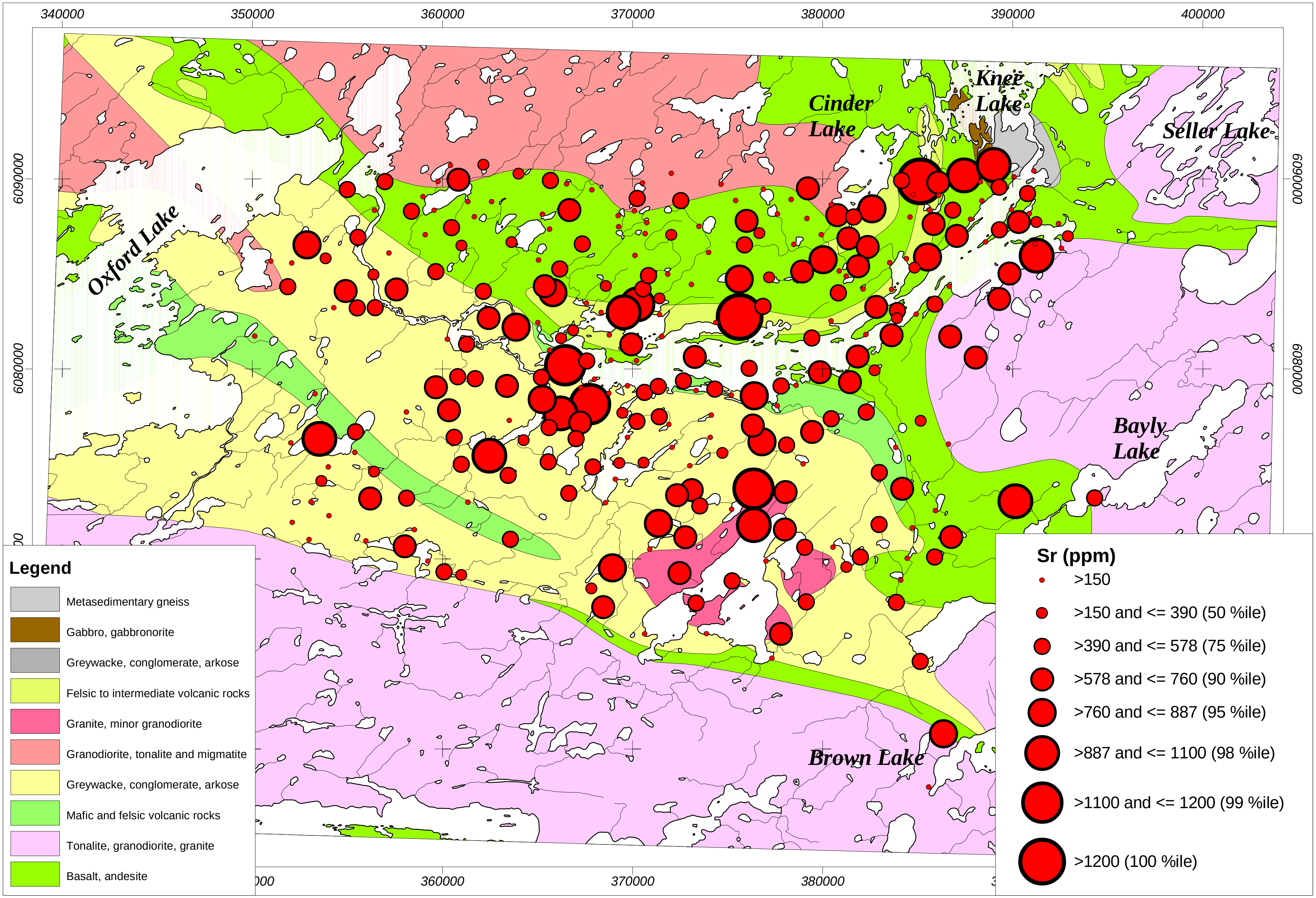
**Black Spruce Crown Twigs - 293 samples**
**INAA**




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**

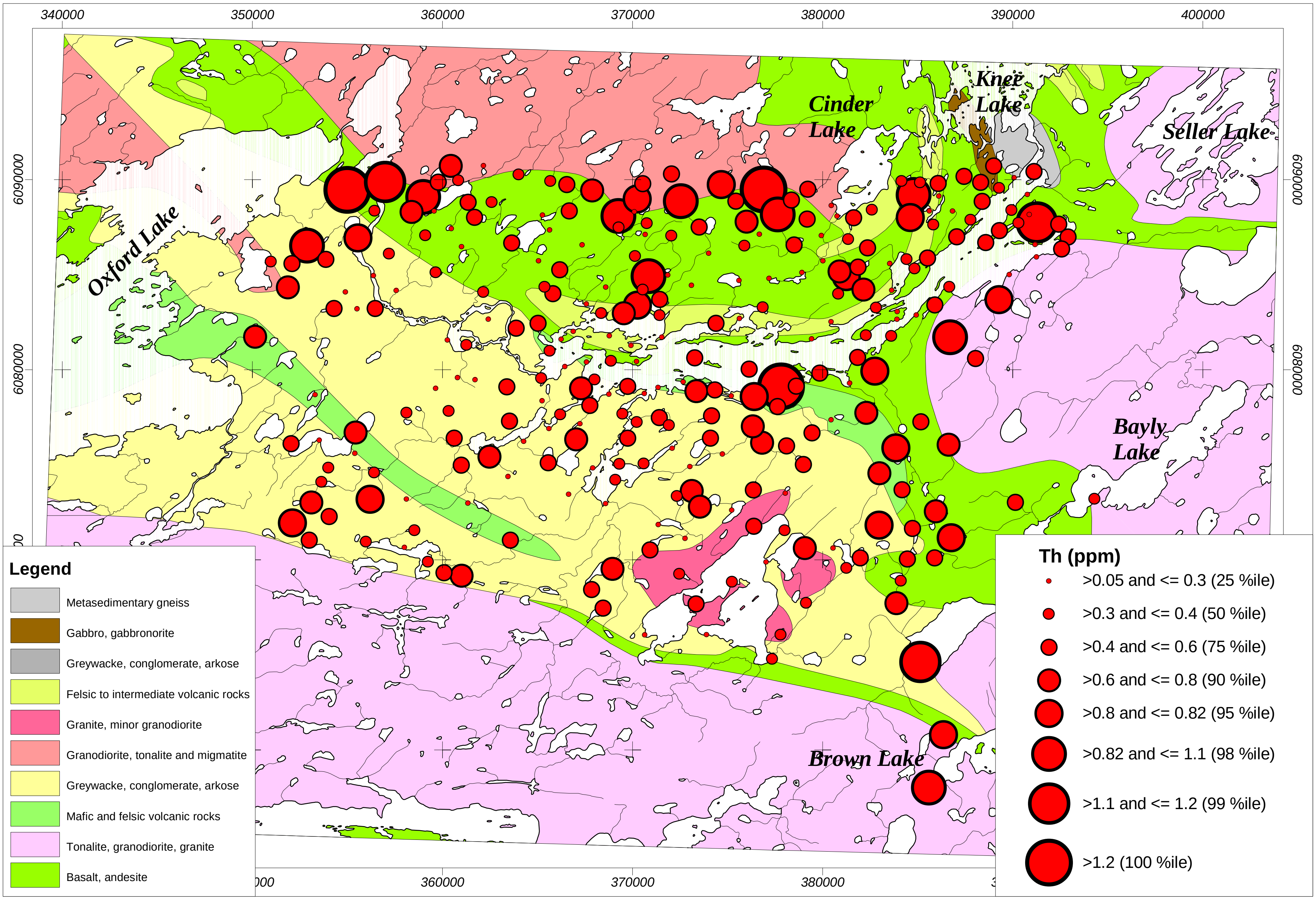
Appendix V-6-18




MENU

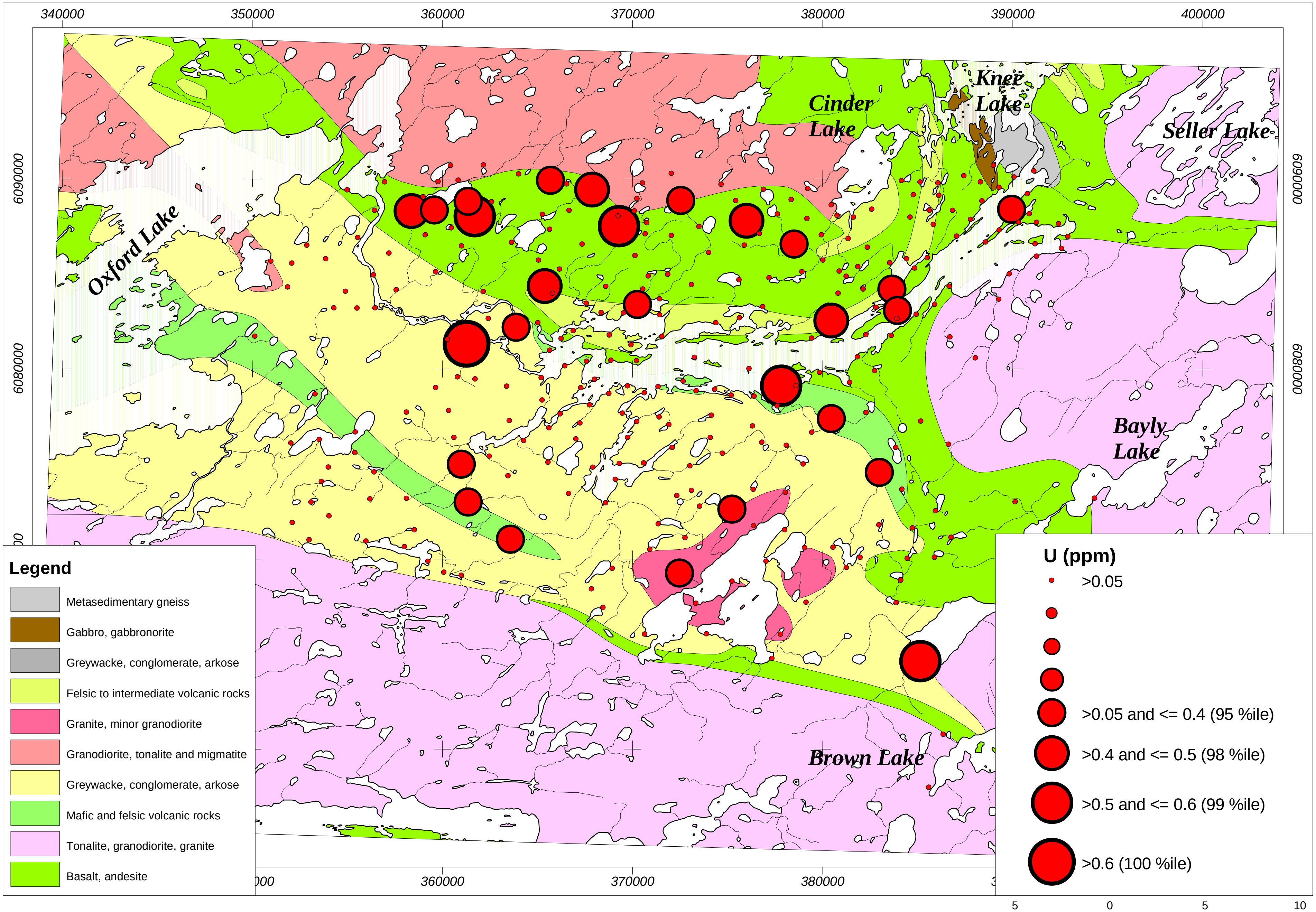
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-19




MENU

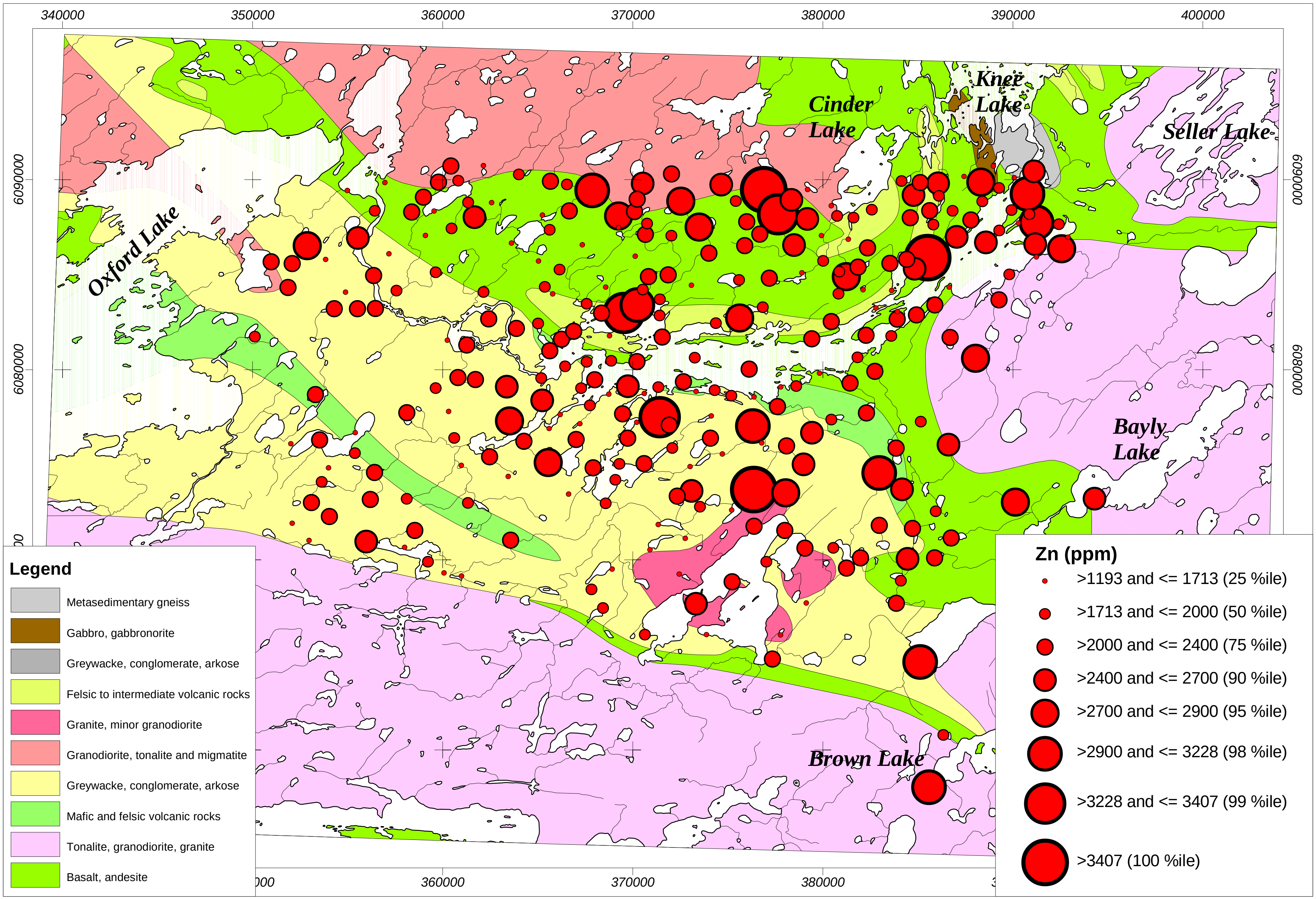
**Black Spruce Crown Twigs - 293 samples**
**INAA**




MENU

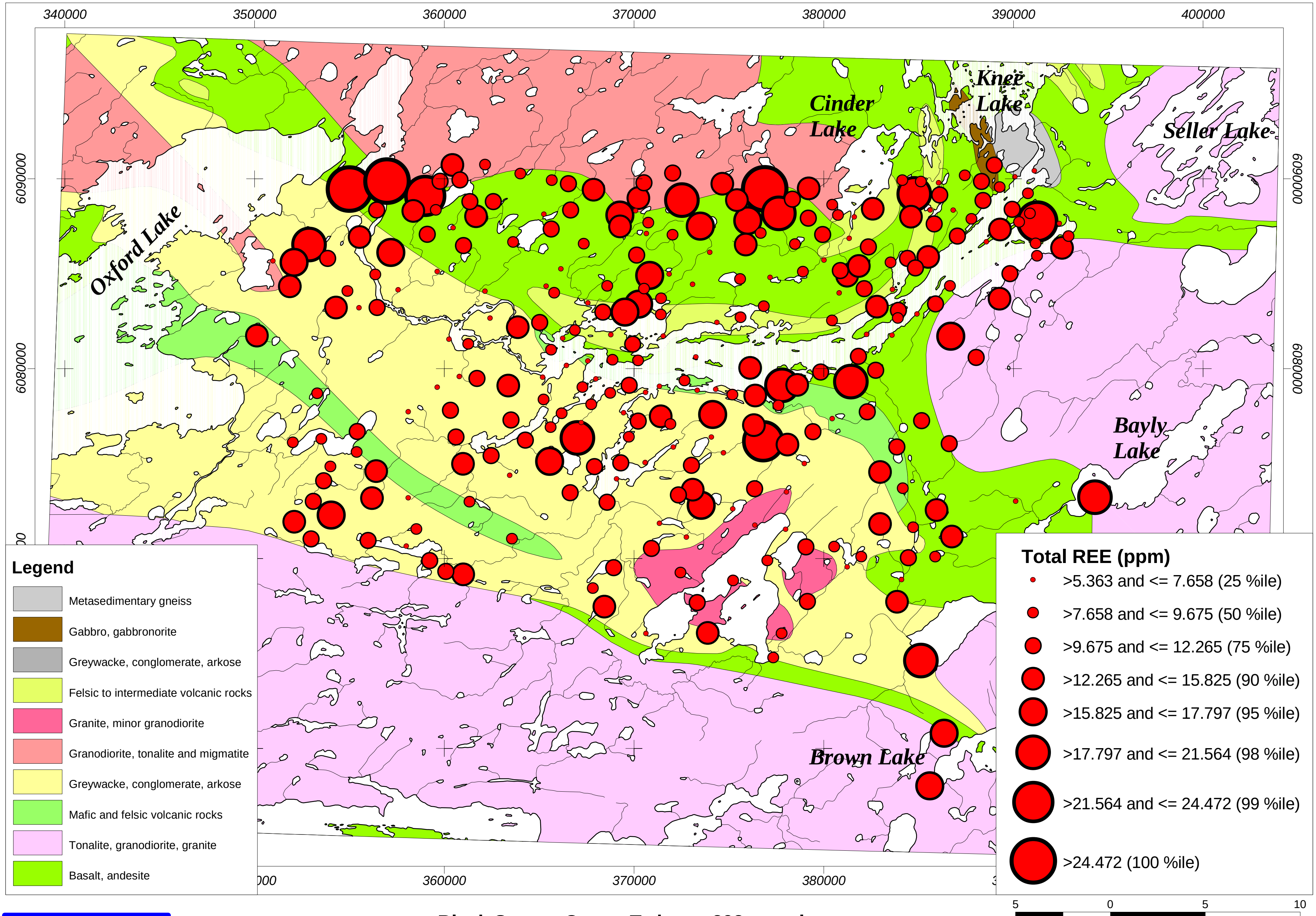
**Black Spruce Crown Twigs - 293 samples**
**INAA**

Appendix V-6-21




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**




MENU

**Black Spruce Crown Twigs - 293 samples**
**INAA**

## SYNOPSIS

The 1999 multimedia geochemical survey of the southern portion of the Knee Lake greenstone belt has successfully delineated geochemical patterns attributable to regional metallogenetic features, previously recognized structurally disrupted and mineralized zones, unique lithologies as well as documenting significant geochemical responses from areas of little or no outcrop or no previously known mineral exploration. The association of multimedia geochemical signatures with the south and north periphery of the Knee Lake greenstone belt demonstrates that these high strain zones (and associated structures) are hydrothermal fluid pathways and as such represent good exploration targets.

The relatively high success rate of the various sample types in reproducing geochemical anomalies is documented in this year's survey despite the presence of wetlands, peats and clay-dominated terrain in the 1999 survey area. All sample media have effectively delineated similar areas of geochemical flux and have achieved one of the major goals of this approach to resource assessment: reduce large tracts of ground to more localized areas where traditional exploration methods can be applied. Areas of anomalous geochemical response without known mineralization are also multimedia in nature. These occur in areas previously considered to have low mineral potential due to the lack of outcrop or the presence of predominantly intrusive rocks.

Rock geochemical surveys have identified the Southern Knee Lake Shear Zone (SKSZ) as a metallogenetic feature worthy of follow-up based on high to moderate contrast multisample and multielement anomalies in rocks overprinted by this structure. The similarities between the SKSZ and the Kirkland Lake–Larder Lake–Cadillac Break, both transpressional shear zones, makes exploration along this feature and associated splays a priority. Potential for massive sulphide-type mineralization east of Cinder Lake in felsic volcanic rocks is indicated by rock geochemical results from this year's survey. Similar geochemical responses are observed in areas of no known exploration activity. A previously undocumented north-northwest-trending structure at Cinder Lake is deduced from rock geochemical signatures. The elements that characterize this linear geochemical trend suggest a temporal and spatial relationship with a REE–enriched syenite that outcops on the southeast shore of Cinder Lake. The linear is interpreted as a structure that facilitated intrusion of the syenite with REE anomalies produced during its emplacement.

The application of the enzyme leach process to glaciolacustrine sediments has demonstrated that this new geochemical approach can produce data useful for mineral exploration. This technique has the potential to 'see' where mineralized zones may exist at depths not tested by diamond drilling, or to penetrate thick and compositionally variable surficial deposits that cover prospective ground in the greenstone belts. The technique is rapid and, in the face of rapidly mounting case history and exploration successes, deserves to be considered as an integral part of a mineral exploration program. In this year's survey the enyme leach results have demonstrated the ability of this technique to reflect different lithologies. The northern portion of the study area is characterized by abundant volcanic rocks and is characterized by anomalous concentrations of the elements Al, Fe, Mg, K, Rb, Cs, Ti, Nb, Hf, Pb and Ga whereas the sedimentary rock-dominated area south of Knee Lake is elevated in Bi, Mn and Y. The SKSZ is identified on the basis of the enzyme leach data as well as a major metallogenetic feature with structures identified by elevated As contents and coincident Sb, Cu, Cd, Ni and Bi anomalies. Enzyme leach anomalies highlight the northern and southern high-strain margins of the belt and successfully identify the area east of Cinder Lake as highly prospective for base metals.

Humus surveys identified the same general areas of geochemical flux documented by the analysis of other sampling media. This includes the area east of Cinder Lake (Zn, S, Hg, P, Ba, $H^+$ and specific conductance anomalies), the SKSZ and structures along the northeast arm of the lake, the Cinder Lake rare element trend and new areas of interest in the northwest corner of the survey area (Cd, S, As responses), as well as possible geochemical signature related to ultramafic rocks in an area of no outcrop at the western survey area boundary. Humus geochemical data continues to provide unique and consistent responses mirrored by other sampling media.

The success of the b-horizon/enzyme leach soil survey is mirrored by the equally successful vegetation geochemical survey based on the collection and ashing of black spruce crown twigs. The shallow root system of this tree is often cited as problematic, limiting acquisition of metals to those derived from often allochthonous near surface deposits. The trees sampled in 1999 were observed to be rooted in the same glaciolacustrine clays as were sampled for enzyme leach analysis and this suggests that the essential and non-essential elements required for proper nutrition are being derived, in part, from this soil horizon. It would appear that the process or mechanism of metal dispersion from bedrock sources (groundwater, electro-dispersive and/or vapour phase transport) may be slowed by ‘hostile’ surficial deposits, but not prevented. The extraordinarily elevated Bi concentrations in ashed vegetation samples collected from the southern portion of the survey area demonstrates the ability of this sample medium to reflect differences in metal contents over regions characterized by different lithologies and attendant metal contents. Both the SKSZ and the area east of Cinder Lake are identified as highly prospective on the basis of vegetation geochemical responses as well as focussing attention on the Magill Lake intrusion as a possible heat/metal source. Vegetation Au and Bi anomalies along a northwest-trending structure just west of Cinder Lake represent new areas of exploration potential.

Glacial tills sampled for analysis in 1999 were geochemically analysed to assist base and precious metal exploration but also this year a significant effort was expanded to collect another bulk till of approximately 8 kg for mineralogical workup. Geochemically the till results identified several areas where elevated metal contents are associated with known mineralized zones. These include elevated Cu, Pb, Zn and Ga from the area east of Cinder Lake (volcanogenic massive sulphide mineralization), the SKSZ (As) and Li and REE anomalies at McLauglin Lake near the southern margin of the belt. This is strongly indicative of a locally derived contribution to the till despite the observation that as carbonate content in the tills increases the metal contents decrease. This reflects the contribution of allochthonous carbonate from the Hudson Bay Lowland. Possibly the most important observation in this year’s till geochemical data is the presence of a higher dolomite component to the till in the northern, volcanic rock-dominated portion of the survey area. The till in this area is non-drumlinized and also contains significantly more geochemical responses for a greater number of commodity-related elements. Additionally, the majority of kimberlite indicator minerals were retrieved from till samples collected from non-drumlinized tills. On the basis of these observations it may be wise to selectively sample non-drumlinized till during the search for geochemical and mineralogical indicator fans.

The expansion of the till mineralogical portion of this year’s multimedia survey was based on the examination of kimberlite indicator minerals (KIM), metamorphosed massive sulphide and magmatic sulphide minerals (MMSIM™) and gold grain counts undertaken at Overburden Drilling Management Ltd. The KIM study, without the benefit of electron microprobe mineral analyses, identified site 104 as highly anomalous in terms of multiple chromite grains. Gold grain counts were disappointing with a limited range of one to five grains identified in samples from across the survey area. These grains were reshaped and indicate long distance transport. The southern portion of the Knee Lake greenstone belt would necessarily be interpreted to be ‘non-fertile’ in terms of gold mineralization on the basis of these results. In as much as most gold grain dispersion fans associated with significant gold mineralization are up to 1 km in length it is possible that the sample spacing used in this survey is inadequate. Very low grain recoveries for MMSIM were returned in this year's survey. Low pyrite and chalcopyrite grain counts indicate poor potential for massive sulphide-type mineral deposits in the area. Low levels of kyanite, staurolite and sillimanite are attributed to the low metamorphic grade of rocks in this year's survey area. Low grade metamorphism is insufficient to generate these minerals in alteration zones associated with base metal massive sulphide deposits.

Kimberlite indicator mineral surveys based on information from Monopros Ltd., describing numbers of and analytical characteristics of indicator minerals, were encouraging. A total of eight 'G10' garnets were identified in this year's samples and site 104 was recognized as highly anomalous on the basis of chromite grains. This is the fourth year that Monopros Ltd. conducted analysis of samples provided during the multimedia survey.

The success of the 1999 multimedia geochemical and mineralogical survey in the southern portion of the Knee Lake greenstone belt provides confidence for undertaking year five of this survey in the northern portion of the Knee Lake Belt. The southern portion of the belt has received significant amounts of allochthonous carbonate-rich materials from the Hudson Bay Lowland (HBL) and this carbonate 'flooding' is interpreted to be significant once again as the survey moves closer to the HBL. Despite obvious allochthonous carbonate dilution of geochemical and mineralogical signatures, anomalies have been recognized in all sampling media. Moreover, selective sampling of non-drumlinized till may provide more geochemical and mineralogical data relevant to the search for base and precious metals and diamonds in the northern Superior Province of Manitoba.