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Assessment Report

On the

Trail-Minto and Carlin Claim Groups

Describing the

2016 Soil Sampling Survey

105M/ 10, 11, 12/14/15/16

Latitude 63.77963N, Longitude 135.30513E

In the

Mayo Mining District

Yukon Territory

By

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1.0 Introduction

Mayo Lake Minerals Inc. (“MLM”) owns six claim groups situated around Mayo Lake in the Yukon Territory: Anderson-Davidson, Carlin, Cascade, Edmonton, Roop and Trail-Minto (Figure 1). The claim groups either host, or are the apparent source of significant placer gold deposits indicating nearby bedrock gold sources. The claim groups are located in the northeastern portion of the Tintina Gold Belt, a 2100 km long zone of gold and silver deposits extending across central Alaska and Yukon. Nearby deposits include intrusion related gold Dublin Gulch (2.46Moz Au), Keno Hill polymetallic (200Moz Ag), Red Mountain (1.3Moz Au) and the Marge VMS (Au, Ag, Cu, Pb, and Zn).

This report describes a geochemical sampling program on the Carlin and Trail-Minto claim groups (the “Properties”) completed during 2016 and the interpretation of the results. Parts of this report, where appropriate, are taken verbatim from Sutherland and Rampton 2015.

Field work was completed by personnel working under contract to MLM. MLM collected 501 soil and three rock samples over 10 days between July 16th and July 26, 2016; samples were processed by Bureau Veritas Commodities Canada Ltd. in Whitehorse and analyzed by Bureau Veritas Commodities Canada Ltd. in Vancouver B.C. using ICP-MS following an Aqua Regia digestion (“ICP-MS”) or using neutron activation by Maxxam Laboratories in Mississauga, Ontario.

2.0 Location and Access

The properties investigated in 2016 consist of the Carlin claim group (99 claims) and the Trail-Minto claim group (179 claims). The total area of the properties is 79 sq. km. The properties are located 10 to 55km kilometers north and east of Mayo in the Yukon on NTS map sheets 105M/12, 13, and 15. The claims are registered in the Mayo Mining district under the name of Mayo Lake Minerals Inc. and are listed in Table 1 below with their location shown on figures 1, 2 and 3.

Access to the properties is provided by four-wheel drive trails and government-maintained gravel roads connecting to the Silver Trail highway. The Silver Trail connects with the Yukon's paved or chip-sealed highway network at Mayo (Figure 1). Access to Carlin to the north of Mayo Lake is by helicopter or the boat launch from the Mayo Lake Dam.

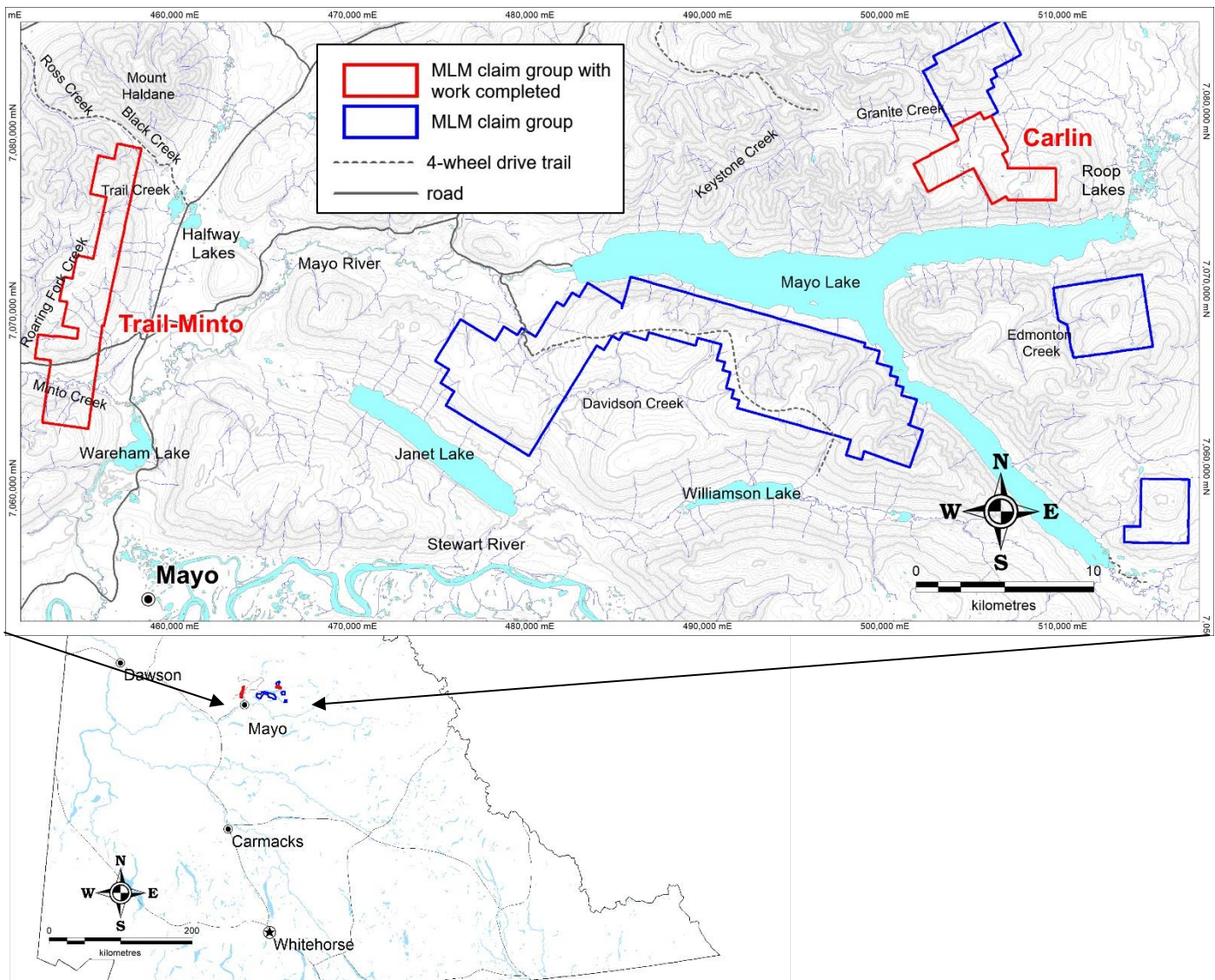


Figure 1: Location of MLM's claim groups

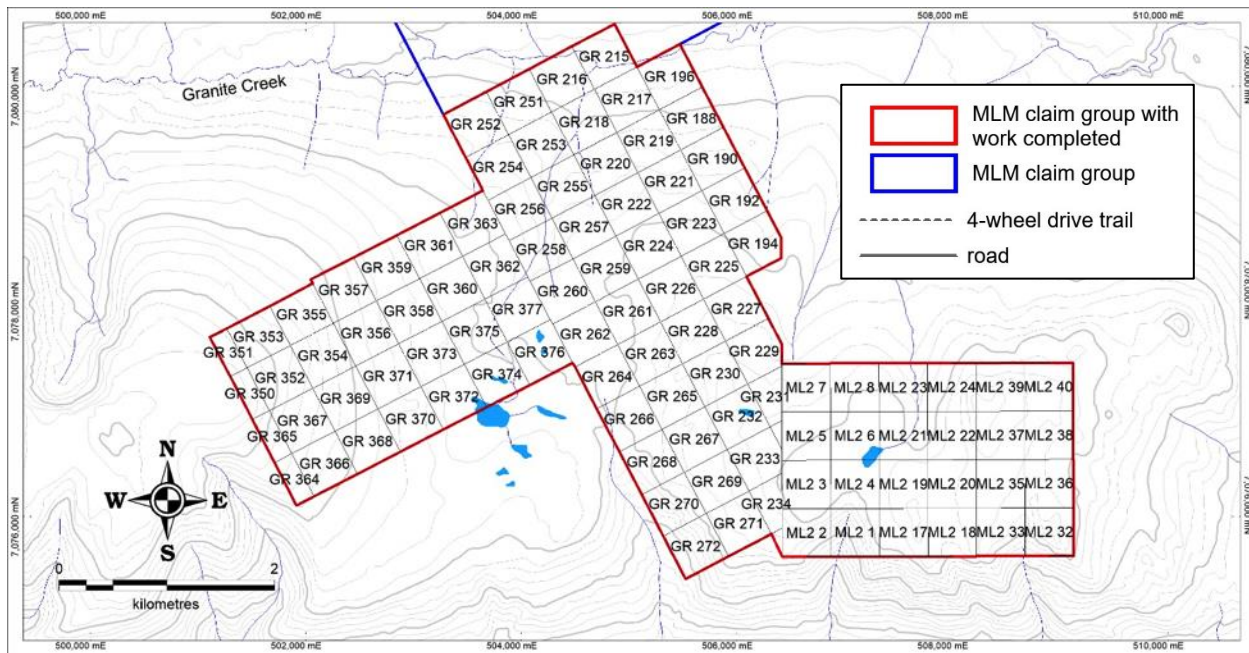


Figure 2: Location of claims in the Carlin Claim Group

Summary	Claim Labels
YD06690-YD06703	GR 350-GR 363
YD29091-YD29097	GR 371-GR 377
YD72664-YD72670	GR 364-GR 370
YE24715-YE24734	GR 215-GR 234
YE24751-YE24772	GR 251-GR 272
YE25401-YE25408	ML2 1-ML2 8
YE25417-YE25424	ML2 17-ML2 24
YE25432-YE25433	ML2 32-ML2 33
YE25435-YE25440	ML2 35-ML2 40
YE46186	GR 196
YE46188	GR 188
YE46190	GR 190
YE46192	GR 192
YE46194	GR 194

Table 1: Claims comprising the Carlin Claim Group

Summary	Claim Label	Map Sheet
YD19955-YD19964	MIN 5-MIN 14	105M12
YD19969-YD19978	MIN 19-MIN 28	105M12
YD19983-YD19992	MIN 33-MIN 42	105M12
YD20001-YD20031	RT 101-RT 131	105M13
YD72639-YD72640	RT 189-RT 190	105M12, 105M13
YD72779-YD72780	RT 193-RT 194	105M12
YD105952	RT 132	105M13
YE25249-YE25290	MIN 49-MIN 90	105M12
YE25502	RT 2	105M12
YE25504	RT 4	105M12
YE25506-YE25512	RT 6-RT 12	105M12, 105M13
YE25514	RT 14	105M13
YE25516	RT 16	105M13
YE25518	RT 18	105M13
YE25536	RT 36	105M13
YE25538	RT 38	105M13
YE25540	RT 40	105M13
YE25542	RT 42	105M13
YE25544	RT 44	105M13
YE25547-YE25564	RT 47-RT 64	105M12, 105M13
YE25566	RT 66	105M13
YE25568	RT 68	105M13
YE25570	RT 70	105M13
YE25572	RT 72	105M13
YE25574	RT 74	105M13
YE25576	RT 76	105M13
YE25578	RT 78	105M13
YE25580-YE25590	RT 80-RT 90	105M13
YE25592	RT 92	105M13
YE25594-YE25600	RT 94-RT 100	105M12, 105M13
YE31593-YE31600	RT 133-RT 140	105M12
YE79601-YE79602	RT 191-RT 192	105M12

Table 2: Claims comprising Trail-Minto claim group

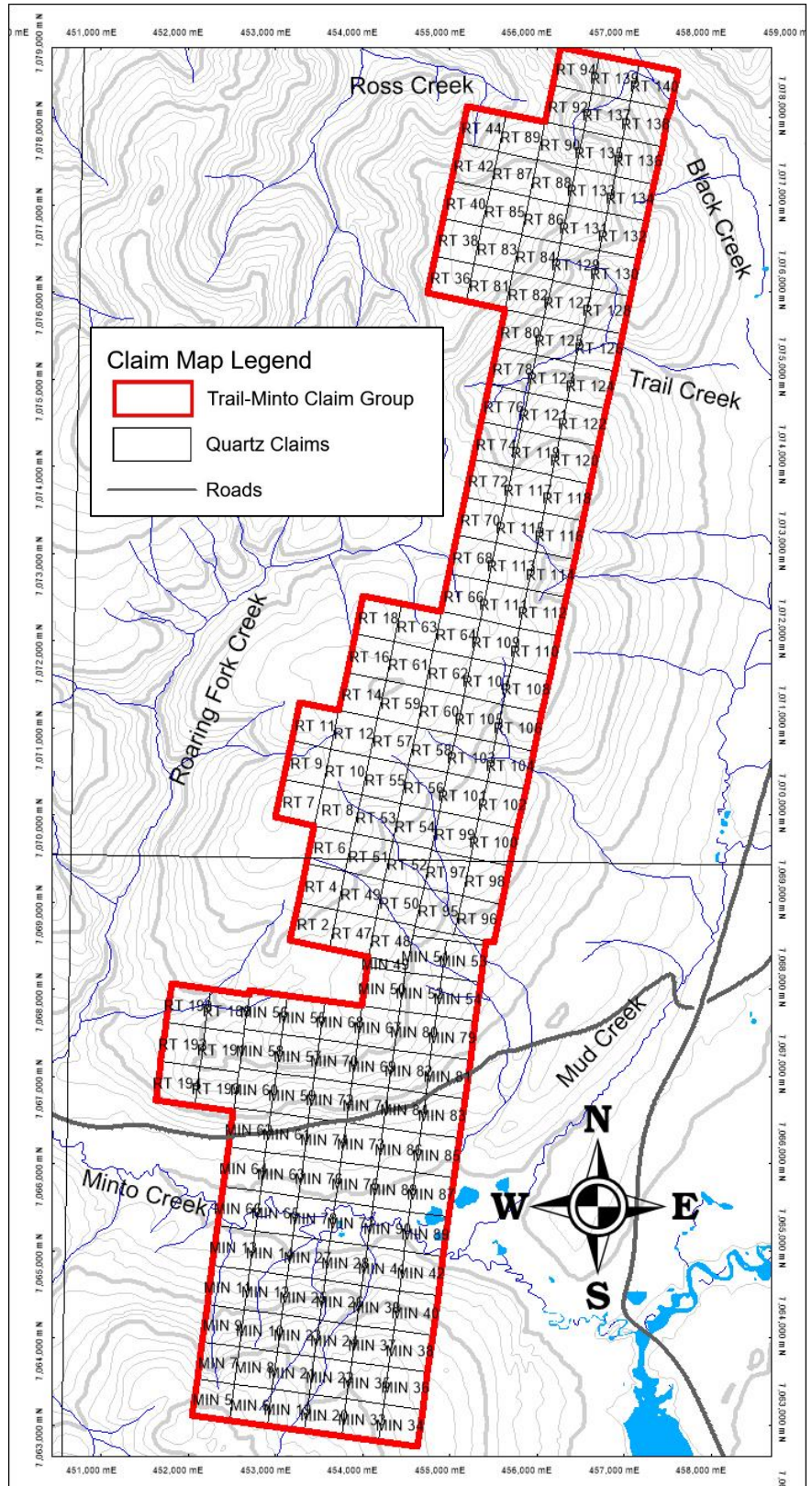


Figure 3: Location of claims within the Trail-Minto Claim Group

3.0 Previous Work

The earliest regional mapping in the Mayo Lake area was undertaken by H.S Bostock in 1947. Early work by Bostock was followed from 1952 to 1965 by numerous workers who published geological maps; these included L.H Green et.al (1972), R.W Boyle (1964), and E.D Kindle (1962) with contributions by C.F Gleeson (Boyle 1964). Mapping was reinitiated in early 1992 by J.A Hunt et al. (1996), D.C. Murphy et al. (1996) and C.F Roots (1997); in addition to fieldwork they integrated numerous geological publications dating from 1920 to 1996. Roots' work resulted in a regional map at 1:250,000 scale (Roots 1997). Surficial mapping was undertaken by Hughes (1983) in 1964 and 1979 and more recently by Bond (1999).

Operation Keno, headed by Dr. C.F. Gleeson of the Geological Survey of Canada ("GSC"), was completed in 1968 (Gleeson et al 1965-1968, Gleeson 1980a, Gleeson 1980b). It centered on Keno Hill and consisted of stream sediment, water, heavy-mineral and litho-geochemistry programs. Notably creeks draining in to Mayo Lake were sampled (Figure 4 and 5), yielding numerous arsenic, antimony and gold in heavy mineral concentrate anomalies. The area within, and adjacent to, the Properties were again sampled during a stream sediment program by the GSC in 1986-87 (Hornbrook 1987) with a low sampling density. This program yielded few anomalies.

In 2000, Expatriate Resources Ltd. completed a soil sampling program centered on the Sundown Occurrence north of Trail-Minto. This program consisted of eight lines spaced 1km apart with samples taken at 100m intervals and a small grid with samples at 100m x 50m spacing centered on a mineralized porphyry dyke. The southern extent of this program delineated a 3km x 0.5km NW trending Au anomaly (Au > 8ppb) that continued onto the Trail-Minto Property. The small grid, which was centered on the porphyry dyke, returned only moderately anomalous results. The locus of the soil anomalies did not totally correspond with the location of the dyke.

There is evidence for historic placer mining on most of the tributaries to Mayo Lake and the Mayo River. Modern placer mining has been restricted to Anderson, Davidson, Duncan, Granite, Owl, Ross, Steep and Lightning creeks. Currently only Anderson, Davidson, Duncan, Granite and Lightning creeks are being worked; however placer claims in good standing remain on most creeks in the area.

The GSC carried out two geophysical programs in the Mayo Lake area; the first at 1207m spacing in 1968 and a second at 2000m spacing in 1990. These surveys are corroborated by similar results obtained by MLM's geophysical program but with much lower resolution. These surveys delineate the Robert Service Thrust ("RST") and several major lineations likely representing thrust sheet imbrications or lithological marker horizons.

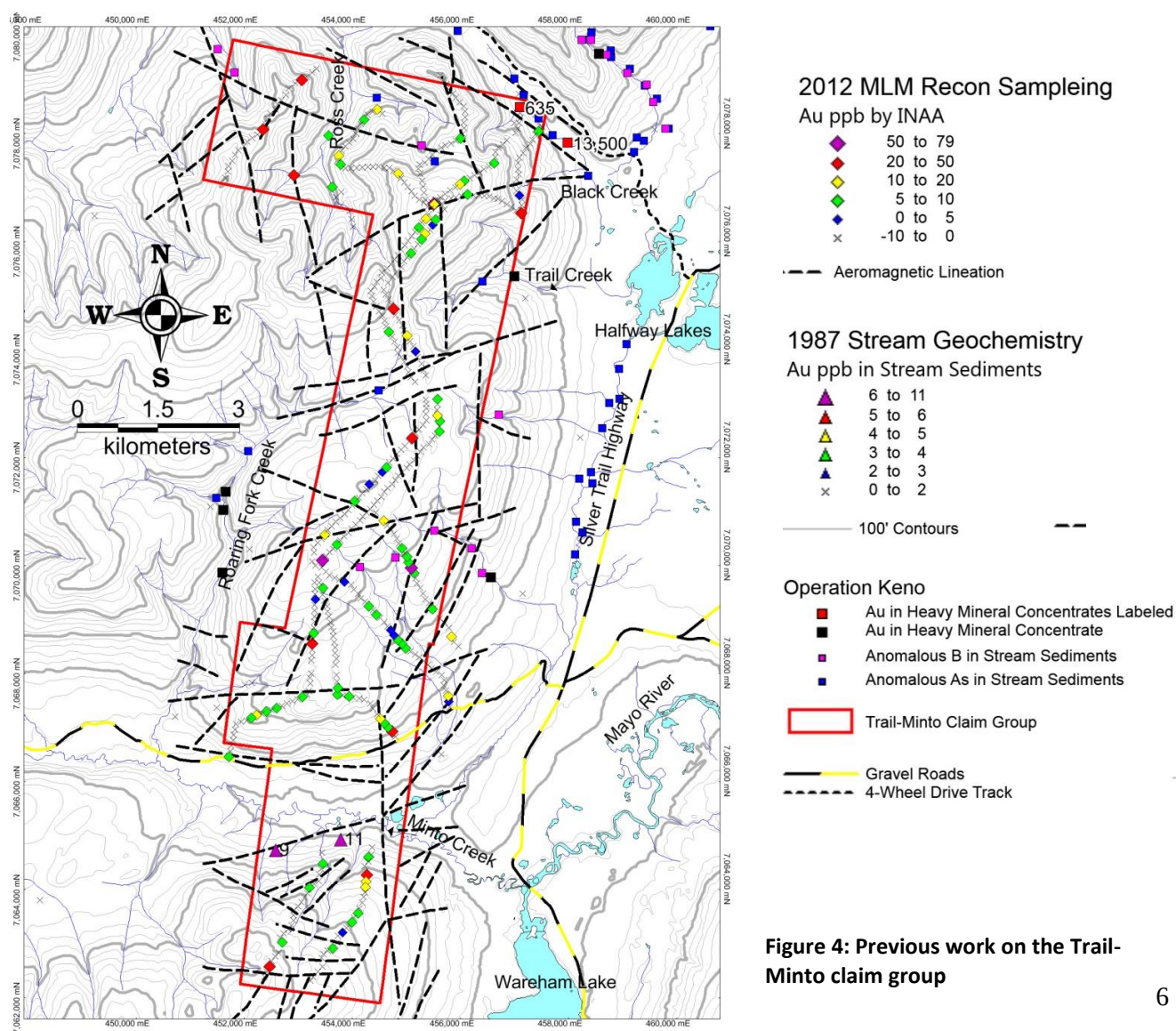


Figure 4: Previous work on the Trail-Minto claim group

In 2012 MLM had an airborne geophysical survey flown over all of its claim groups between February and March by Precision GeoSurveys Inc. that saw the acquisition of high quality magnetic data. The survey was flown using a Bell 206 BIII jet ranger at 150 meter spacing. The average survey flight was 32 meters above ground. The survey data acquisition specifications and coordinates for the different claim groups can be found in Rampton and Sutherland (2012 a, b, c, d and e). Lineations from these surveys are plotted in figures 4 and 5.

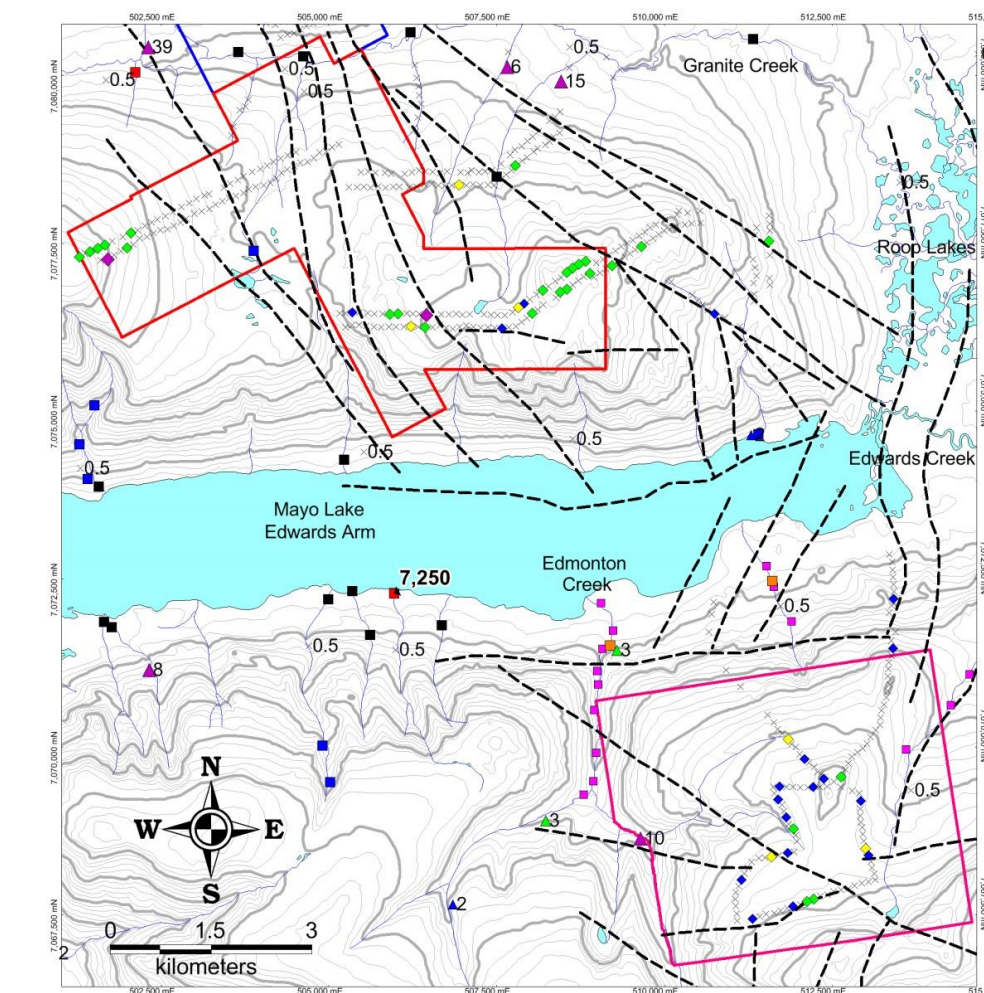
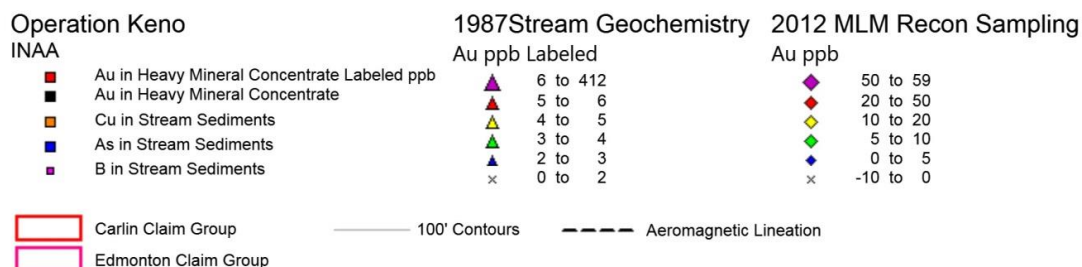


Figure 5: Previous work on the Edmonton and Carlin claim groups



In 2012 MLM followed up with a ridge and spur type reconnaissance soil sampling program on all of its claim groups. This program delineated numerous geochemical targets on each claim group, which determined further sampling. Results from the properties are illustrated on figures 4 and 5. Notable regional anomalies were the NE trending As-Sb-Au anomalies west of the Nelson Arm of Mayo Lake on the Anderson-Davidson claim group, numerous high Au⁺/Sb values near the Roaring Fork Stock on the Trail-Minto claim group, high As+Sb values west of Davidson Creek and north of Janet Lake on the Anderson-Davidson claim group and high As values near the headwaters of Edmonton Creek on the Edmonton claim group.

In 2015 MLM pursued several anomalies from the ridge and spur soil sampling program on the Carlin and Trail-Minto claim groups. Targeting soil grids at variable sampling intervals delineated Au in soil anomalies up to 1km long near Minto Creek with values up to 84ppb Au. A previously identified strong Sb anomaly west of Trail Creek was also tested by a soil grid, which delineated a weak gold anomaly. On Carlin, a large Au-Sb-As in soil anomaly with poorly constrained boundaries and values up to 89ppb Au was identified. The grids from 2015 that were targeted for expansion in 2016 are further discussed in the Observation and discussion sections of this report.

4.0 Geomorphology

Carlin is located north of the east end of Mayo Lake and Trail-Minto on the highlands west of Halfway Lakes (Figure 1). Carlin lies on the southern slopes of the Gustavus Range, north of valley occupied by Mayo Lake. Trail-Minto lies on the ridge south of Mt. Haldane. Valleys containing Mayo, Williamson and Janet lakes are broad and U-shaped due to glacier ice being funneled down them from east to west during Pleistocene glaciations. Most tributaries to the large valleys are narrow and confined by moderate to steep slopes. Uplands generally have moderate slopes. Streams draining the property are all part of the Yukon River watershed.

The Properties have been subjected to multiple glaciations (Hughes 1983). The youngest Pleistocene glaciation, the McConnell Glaciation, was confined to the trunk valleys occupied by Mayo, Janet and Williamson lakes (Bond 1999). These valleys were filled with fast flowing ice that scoured their bottoms and sides. The upper limit of the McConnell Glaciation is marked by lateral moraines and kame terraces along the sides of these valleys. Minor lobes may have flowed through the valley between Granite and Keystone creeks; here their former extent is marked by end moraines and kames. The westward limit of the McConnell Glaciation is along the base of the highlands to the west of Halfway Lakes between Mount Haldane and the Minto River. Uplands above the McConnell glacial limit were covered by glacial ice during the earlier Reid glaciation. The ice was probably cold-based for the most part on the uplands and transport of rock and debris was minimal as evidenced by landforms. However, ground observations show patches of stratified alluvial material is present . This could represent glaciofluvial material moving from east to west or alluvium produced by periglacial processes moving downslope or a combination of both. Some uplands are covered by a mixture of colluvium and till. Some patches of colluvium and alluvial benches at higher elevations may be representative of the Reid and older glaciations.

Outcrop is sparse on the properties, rarely exceeding 5% in any area. Soil development is immature, except on parts of the terrain above the McConnell glacial limit. Permafrost is likely pervasive on plateaus and north facing slopes, but discontinuous on south facing slopes and at high elevations.

Vegetation is predominantly black spruce with willow and alder understorey. Lowlands, north facing slopes and plateaus below the treeline exhibit a thick cover of organic matter, moss and Labrador tea. South facing slopes are similarly vegetated but also include balsam and poplar groves.

5.0 Regional Geology and Mineralization

The Properties are located within the Selwyn Basin of the Tintina Gold Belt. Simplified regional geology as shown on Figure 6 depicts Upper Proterozoic to Lower Cambrian Hyland Group stratigraphy in contact with Paleozoic metasedimentary units of the Ern Group and Keno Hill Quartzite along the Robert Service Thrust (“RST”). Mid-Triassic mafic sills and greenstones are common within the Keno Hill Quartzite and Ern Group, but are rarely encountered in other units. All stratigraphic units have been intruded by the Mid-Cretaceous age Tombstone Plutonic Suite, which host several known gold deposits including Dublin Gulch, which hosts an open pit resource of 2.46 million ounces of gold at a grade of 0.67g/t. The 100km² Roop Lakes Stock, west of the Keno Hill Camp, is the largest member of the Tombstone Plutonic Suite and probably drove hydrothermal circulation leading to the mineralization at Keno Hill, as referenced by Roots (1997).

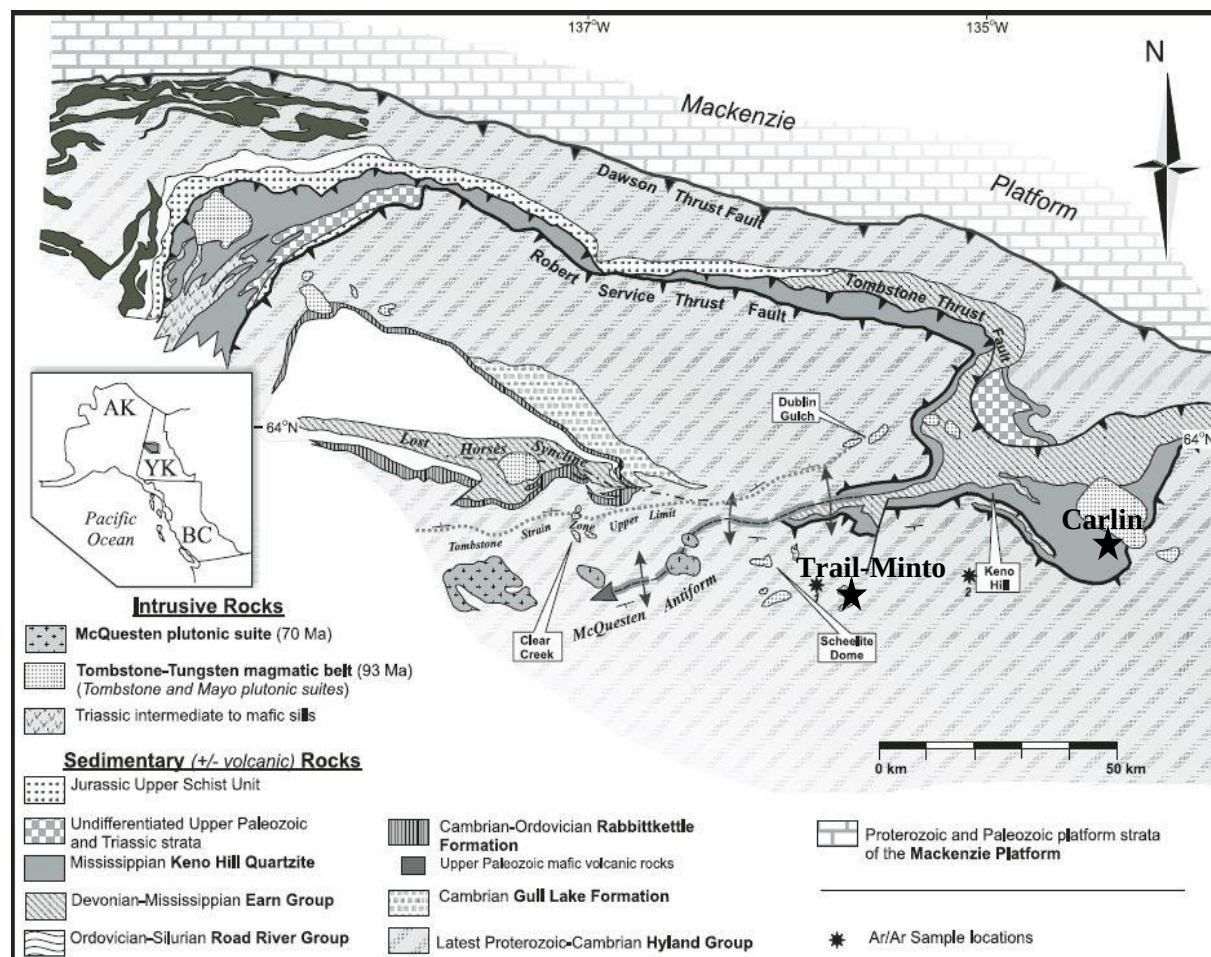


Figure 6: Mayo Lake and Selwyn Basin Geology. From Mair et al. 2006. Labeled stars indicate the claim groups where work was completed in 2016.

The dominant structural features in the area are a pair of imbricated thrust sheets; the RST and the Tombstone Thrust Sheet (“TTS”) have over 150km of combined NE directed transport of rock masses. The RST Sheet itself contains many internal thrusts that are commonly difficult to distinguish due to subsequent intense folding of faults and contacts and a strong penetrative structural fabric imparted by the later underlying TTS; the area deformed during this event is often referred to as the Tombstone Strain Zone. Intense folding is especially evident in units immediately around Keno Hill. Large open folds, the McQueston Antiform (E-W) and Mayo Lake Antiform (NW-SE), and several inferred brittle faults were developed after the large thrusting events (Roots 1997). A significant WNW geophysical lineation, which parallels the south shore of Mayo Lake, appears to be a regional fault possibly demarcating segments within the RST Sheet. A proximal relationship to crustal scale features appears to be common among deposits in the Tintina Gold Belt

Mineralization within the Tintina Gold Belt is primarily the result of intrusion related gold systems; these large epizonal systems result in variable deposits that on the surface may appear unrelated. The most distal mineralization associated with these felsic intrusives are polymetallic Ag-Pb-Zn veins similar to the locally developed Keno Hill Type veins. This mineralization represents the furthest extent of hydrothermal influence related to these intrusions and may occur many kilometers from the source stock (Figure 7). Consensus is that Keno Hill Type Veins (“KHTV”) are the product of hydrothermal circulation in reactivated structures driven by the emplacement of the Roop Lakes Stock, up to twenty kilometers away. The veins are generally within the Keno Hill Quartzite, but are inferred to cut through the RST and continue into the overlying Hyland Group. Abundant narrow Cretaceous dykes (Murphy 1997) related to the Tombstone Suite near Keno Hill could be an alternate hydrothermal engine or fluid source. In addition to Ag, Pb and Zn, other vectors for KHTV include Ba and Cu and in some cases Sb, Fe and Ca. At intermediate distances from source plutons, As-Sb-Au veins develop and have been the subject of minor exploration around Van Cleaves Hill, west of Mayo Lake.

Proximal mineralization associated with Tombstone intrusives are sheeted gold veins or stockworks within the rim or immediately adjacent to Tombstone Suite plutons. Intrusion related mineralization itself is generally (i) enriched in Au-Bi-Te, possibly W; (i) depleted in base metals and (iii) situated in tensional zones of the stock.

Where hydrothermal circulation contacts carbonate lithologies skarnification is common, such as at the Ray Gulch tungsten skarn near Dublin Gulch. These skarns are generally high in Au-W-Cu-Zn. Skarnification of rocks surrounding Tombstone suite intrusions will result in hydrothermal signatures different from those illustrated in Figure 7.

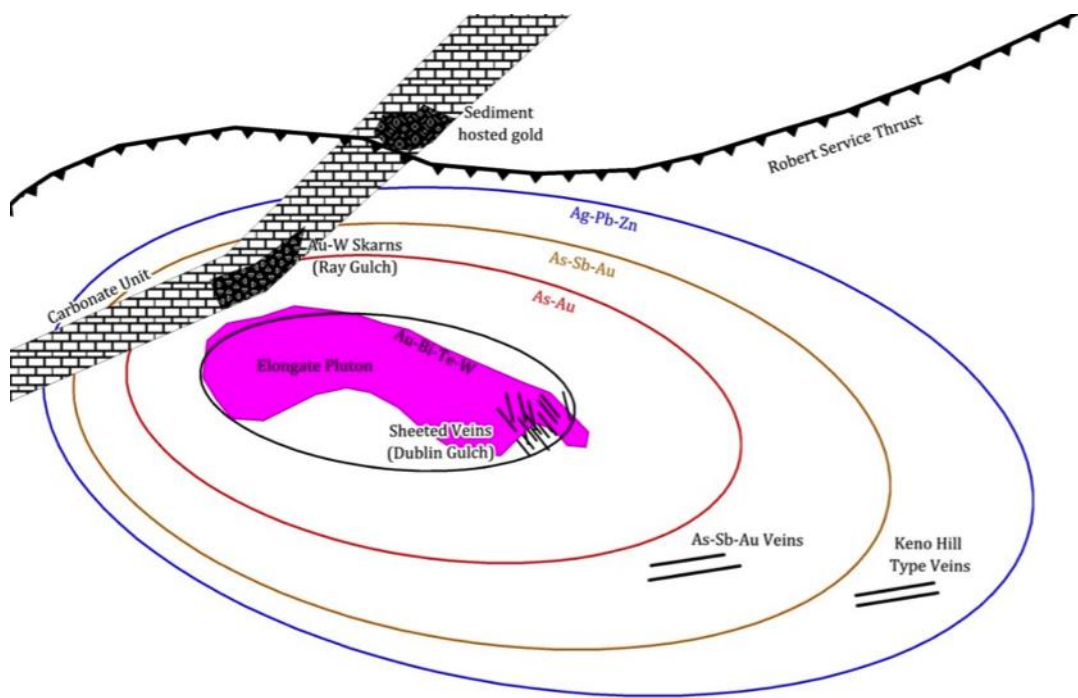


Figure 7: Idealized hydrothermal model for intrusion related gold systems in the Tintina Gold Belt (modified from Hart et. al 2002)

The Keno Hill silver camp has produced over two hundred million ounces of silver since 1921. Productive veins occur in the Keno Hill Quartzite and underlying Lower Schist. Although faults with associated mineralization (“mineralized faults”) are believed to cut through the RST and continue into the Hyland Group, no significant silver mineralization has been discovered above the RST. Ore shoots within

the veins typically consist of galena, sphalerite and tetrahedrite with siderite or quartz gangue. The mineralized faults trend northeast and dip steeply to the southeast with left lateral offsets ranging from a few metres to over a hundred metres (Boyle 1965). Cross faults offsetting the mineralized faults trend perpendicular to them and dip 20° to 30° to the southwest.

Two major gold occurrences are located within 30 km of the properties. Both are located in the upper plate of the RS Thrust within Hyland Group metasedimentary rocks. Sheeted veins related to the Tombstone Plutonic Suite contain most of the gold at Dublin Gulch and Gold Dome (formerly Scheelite Dome). The most advanced project is Dublin Gulch where a definitive feasibility study has been completed; it hosts an open pit resource containing 2.46 million ounces of gold at a grade of 0.67g/t.

6.0 Property Geology

The Trail-Minto Claim Group is underlain by phyllites, schists and carbonates of the Hyland Group metasediments (Figure 8) occasionally intruded by felsic dykes. The Roaring Fork Stock underlies the south part of the Trail-Minto claim group and has a similar age to the Tombstone Intrusive Suite. Most stratigraphy has bedding parallel or sub-parallel to foliation, which dips shallowly generally southeast except where modified by small scale isoclinal folding.

The Carlin Claim Group is underlain by Keno Hill Quartzite intruded by Triassic greenstones and the Cretaceous Roop Lakes Stock. A contact metamorphic aureole extends away from the stock up to 4km affecting most units underlying the property.

6.1 Stratigraphy

The Hyland Group which is locally mapped as the Yusezyu Formation, consists of compositionally layered medium to coarse-grained micaceous quartzose phyllite; muscovite-chlorite gritty phyllite; green and grey impure quartzite; metaconglomerate (Roots 1997). Locally metasediments are comprised of interbedded variably quartzose arenaceous schists and commonly carbonates.

The Keno Hill Quartzite is comprised of massive to well foliated lineated quartzite with lesser phyllitic quartzite, chloritic and carbonaceous phyllite (Roots 1997). Locally the Keno Hill quartzite is interbedded with the “Marge sequence” a unit abundant green weathering tuffaceous metavolcanic rocks.

6.2 Intrusions

Cretaceous Tombstone Suite intrusions are described as buff to grey weathering dykes, sills and small plugs with aplitic or granitic textures. Some of these bodies are locally quartz and feldspar phyric and mineralized with disseminated arsenopyrite (Becker 2000). In addition to the Roaring Fork Stock numerous small intrusions have been mapped on the north part of the Trail-Minto Claim Group.

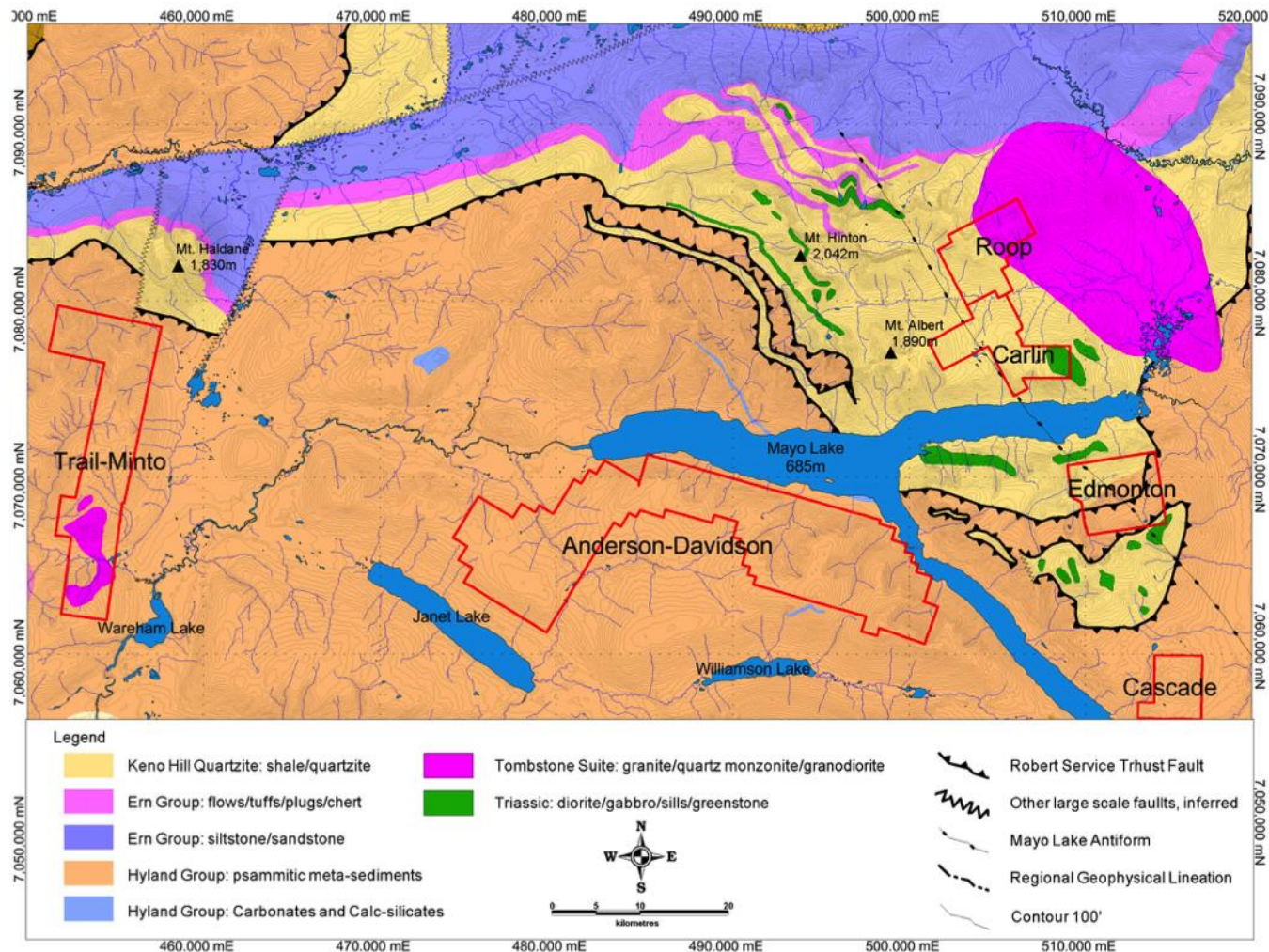


Figure 8: Geology of May Lake showing MLM claim groups claim extents as of 2015

Triassic sills of greenstone and gabbroic composition are common in the Carlin claim group. They are dark green, foliated, fine to medium grained and weather in a blocky fashion. The main mineral assemblage consists of amphibole, chlorite and plagioclase. Sills are common in the Keno Hill Quartzite and Ern Group, but are also known within the Hyland group.

6.3 Structure

Deformation on the properties is typical of the Tombstone Strain zone, including a strong penetrative fabric and intense large scale deformation (Roots 1997). Broad post-metamorphic folding is also present and is indicated by variable foliation dips. Foliation is generally shallow dipping southwest to southeast locally in the Hyland group, foliation in the Keno Hill Quartzite is highly variable possibly modified by the emplacement of the nearby Roop Lakes Stock. Boudinaged quartz +/-carbonate veins are common within the Hyland Group and generally parallel to foliation. These veins likely predate the development of the Tombstone Strain Zone.

6.4 Mineralization

The properties are prospective hosts to a variety of deposit styles related to the complex Mesozoic and Cenozoic metamorphic, plutonic and volcanic history associated with the formation of the northern Canadian Cordilleran orogeny. The most attractive of these are:

- Polymetallic veins; mainly Keno Hill Type, which are typically high in silver, lead and zinc and are related to the intrusion of the Tombstone Plutonic Suite and constitute the main ore at Keno Hill.
- Intrusion related gold; such as Dublin Gulch and Fort Knox. These deposits are related to post-orogenic, mid-Cretaceous Tombstone Suite stocks that intruded Selwyn Basin sedimentary rocks.
- Orogenic gold veins; Jurassic in age, formed after peak metamorphism of the Yukon-Tanana Terrane; their erosion likely contributed to the Klondike placer deposits. These are narrow, high-

grade deposits; typical is the Pogo Mine in Alaska with total reserves and resources of 4.9 Moz Au at 12.45 g/t Au. They may be high grade, epithermal or mesothermal, structural end-members of the intrusion related gold model rather than typical orogenic veins.

- Skarns; like the Ray Gulch Tungsten Skarn at Dublin Gulch and a small skarn southeast of the Roop Lakes Stock.

7.0 Description of MLM's 2016 Work

7.1 Field operations 2016

MLM visited the Properties from July 21st to July 30th 2016; personnel stayed at the Bedrock Motel in Mayo and accessed the Carlin claim group by helicopter and Trail-Minto by road. The crew consisted of two members; a senior and assisting geologist. Weather was consistently rainy and overcast with short periods of sun on some days. Sunny days were used to fly into the Carlin claim group.

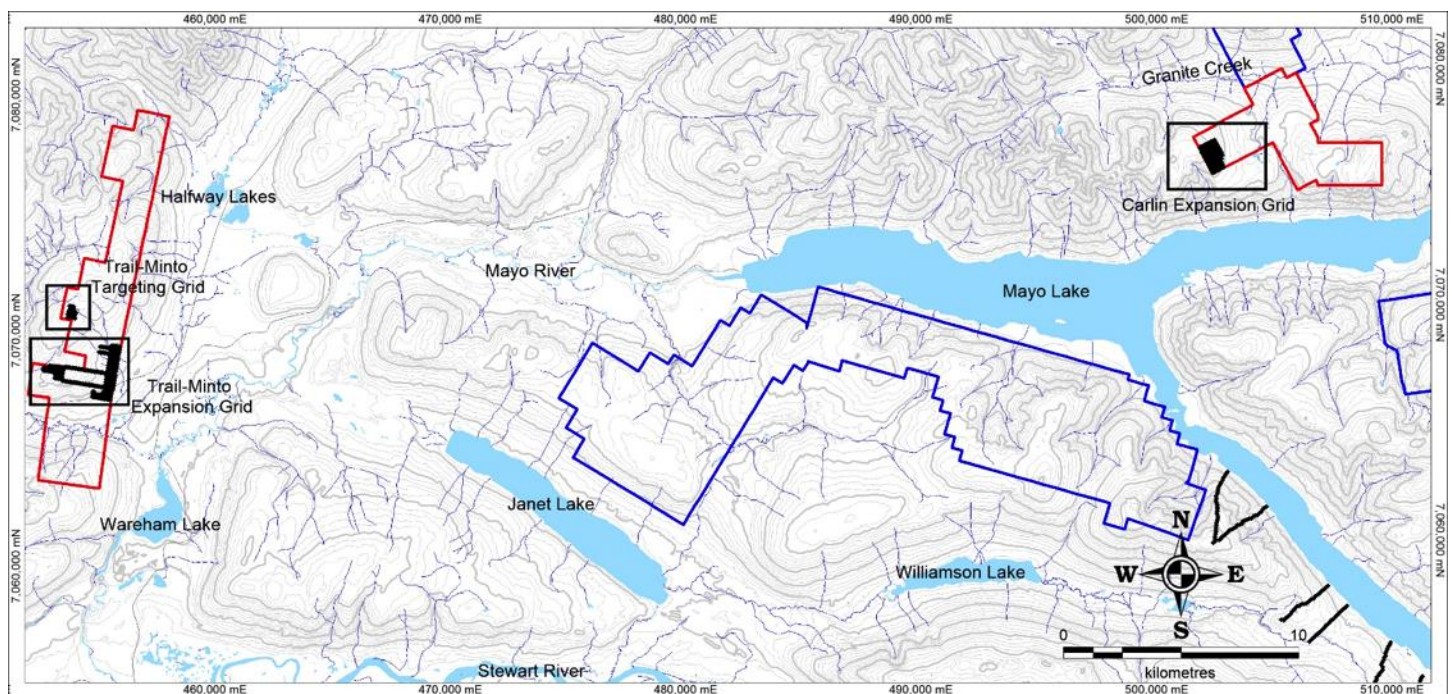


Figure 9: location of soil sampling from MLM's 2016 program

MLM expanded three soil grids from 2015, completed one new targeting soil grid and infilled lines from a 2015 targeting grid (Figure 9). Sampling spacings were 60m x 120m for the grid expansions and targeting grids. Where expanding grids from 2015, one or two lines of soil samples were collected in 2016 to overlap the 2015 grids. The expansions and new targeting grid on Trail-Minto (“Roaring Fork grid”) were accessed by foot from the Minto Lake Road off of the Silver Trail. The grid expansion on the Carlin claim group (“Carlin Grid”) was accessed by helicopter for two days when the weather was good.

Soil samples were delivered to Bureau Veritas Ltd. preparatory laboratory in Whitehorse, YT. Soil samples underwent modified preparation code SS80; dried for 24 hours at 40°C instead of 60°C then screened for 100g at -80 mesh; rejects were discarded. Samples from Carlin and one line of control samples from Trail-Minto were then sent to Bureau Veritas Ltd. in Vancouver B.C to undergo analysis code AQ201 - ICP-MS analysis after aqua regia digestion of a 15g sample for Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W, Hg, Sc, Tl, S, Ga, Se, and Te. The remaining samples from Trail-Minto were sent for neutron activation analysis (“INAA”), code BQ-NAA-01, which was carried out by Maxxam Laboratories Inc. for Sb, Cr, La, Sm, Tb, As, Co, Lu, Sc, Th, Ba, Eu, Hg, Se, Sn, Br, Au, Mo, Ag, W, Ca, Hf, Nd, Na, U, Ce, Ir, Ni, Sr, Yb, Cs, Fe, Rb, Ta and Zn.

7.2 Soil Sampling and Its Challenges

MLM expanded grids around earlier soil sampling with one-two lines of overlap, infilled widely spaced lines from previous grids and sampled one small targeting grid.

Soil sampling was undertaken by MLM geologists:

Tyrell Sutherland	Senior geologist
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Chrystelle Thibault-Boyer	Assisting geologist
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At each sample site the soil and overburden is penetrated by an auger until the C horizon is reached. The next 10-15cms of soil is sampled and placed into a labeled paper sample bag. In areas where C horizon was sparse, nonexistent or frozen, a sample from the B horizon was collected. Sample sites were located using the Garmin GPS Map 62s and recorded in a field book and sample book. An identification flag with the sample number recorded is attached at each sample location. Samplers collected a duplicate sample every 33rd sample, a blank every 50 samples and a standard every 50 samples, standards and blanks were staggered by 25 samples from each other. Sample data entered a database upon returning to camp at the end of each day.

Shallow fluvial silt and sand layers on the Trail-Minto claim group and cryoturbation and mass wasting on the Carlin claim group are posing challenges to relating geochemical anomalies to their bedrock sources. Specifically, rhythmic layering of sediment on Roaring Fork Grid, consisting of schist fragments, sandy layers and layers dominated by clay, are indicative of material being eroded by periglacial processes and moving down-slope through fluvial processes during times of melt. This alone may cause dislocation of soil anomalies. In addition, the mineral content of the different sediment types may lead to lower than expected analytical values over or adjacent to bedrock mineralization. Although the presence of anomalous gold in soils can be determined sampling of mixed overburden materials, a technique that samples till or soil developed on weathered bedrock would be best for tracing anomalous soil samples back to their bedrock sources. At Carlin, mass wasting and cryoturbation appears to be dislocating anomalies. In both cases, the closer to the bedrock interface that a soil sample is taken, the more easily one can vector to its bedrock source.

8.0 Review of Geochemical Results

Soil sample site locations can be found in Appendix B; and sample analysis can be found in Appendix C. Contoured plots for soil samples collected during 2015 and 2016 at Trail-Minto and Carlin and analyzed by INAA and for selected elements (Au, Ca, Cr, Hg, K, Mg, Mn) collected during 2015 and analyzed by ICP-MS after aqua regia digestion are found in Appendix D and F.

8.1 Geochemical Results

Standards used during grid sampling were CDN-CM-36 and CDN-BL-10, analysis for these were within the stated threshold for analysis of these standards. Most elements tested using ICP-MS are comparable between field duplicates; Se, and B show the worst correlation while Sb and Ba show the best correlation. S and Te analysis are all below detection. For INAA the correlation of elements is poorer but still acceptable for most elements particularly for As, Sb and Zn.

Element	R	Element	R	Element	R	Element	R
<i>Mo</i>	0.922988	<i>As</i>	0.987276	<i>P</i>	0.891163	<i>K</i>	0.988183
<i>Cu</i>	0.94405	<i>Au</i>	0.799742	<i>La</i>	0.851943	<i>W</i>	0.680848
<i>Pb</i>	0.917785	<i>Th</i>	0.868741	<i>Cr</i>	0.872788	<i>Hg</i>	0.843236
<i>Zn</i>	0.901345	<i>Sr</i>	0.929325	<i>Mg</i>	0.947486	<i>Sc</i>	0.936348
<i>Ag</i>	0.982883	<i>Cd</i>	0.942684	<i>Ba</i>	0.990865	<i>Tl</i>	0.763763
<i>Ni</i>	0.870413	<i>Sb</i>	0.993323	<i>Ti</i>	0.956569	<i>S</i>	1
<i>Co</i>	0.8423	<i>Bi</i>	0.546608	<i>B</i>	0.188475	<i>Ga</i>	0.740436
<i>Mn</i>	0.643307	<i>V</i>	0.934646	<i>Al</i>	0.9332	<i>Se</i>	-0.16563
<i>Fe</i>	0.890168	<i>Ca</i>	0.98129	<i>Na</i>	0.953704	<i>Te</i>	1

Table 3: The Pearson correlation coefficients for field duplicates analyzed using ICP-MS after aqua-regia digestion

Sample results are reasonably consistent with no obvious areas of error, some issues exist with matching analysis from different years within the overlapping zones on the Roaring Fork soil grid.

8.2 Analytical Challenges

Variation in the exact location and nature of the Au anomalies taken in different year or analyzed by different methods (INAA, ICP-MS) (Figure 10) is apparent. The trends in the anomalous and enhanced values as delineated by contouring Au values are very similar, but the magnitude of the values can be quite different. Part of this variation can be due to the nugget effect, especially where a line shows high

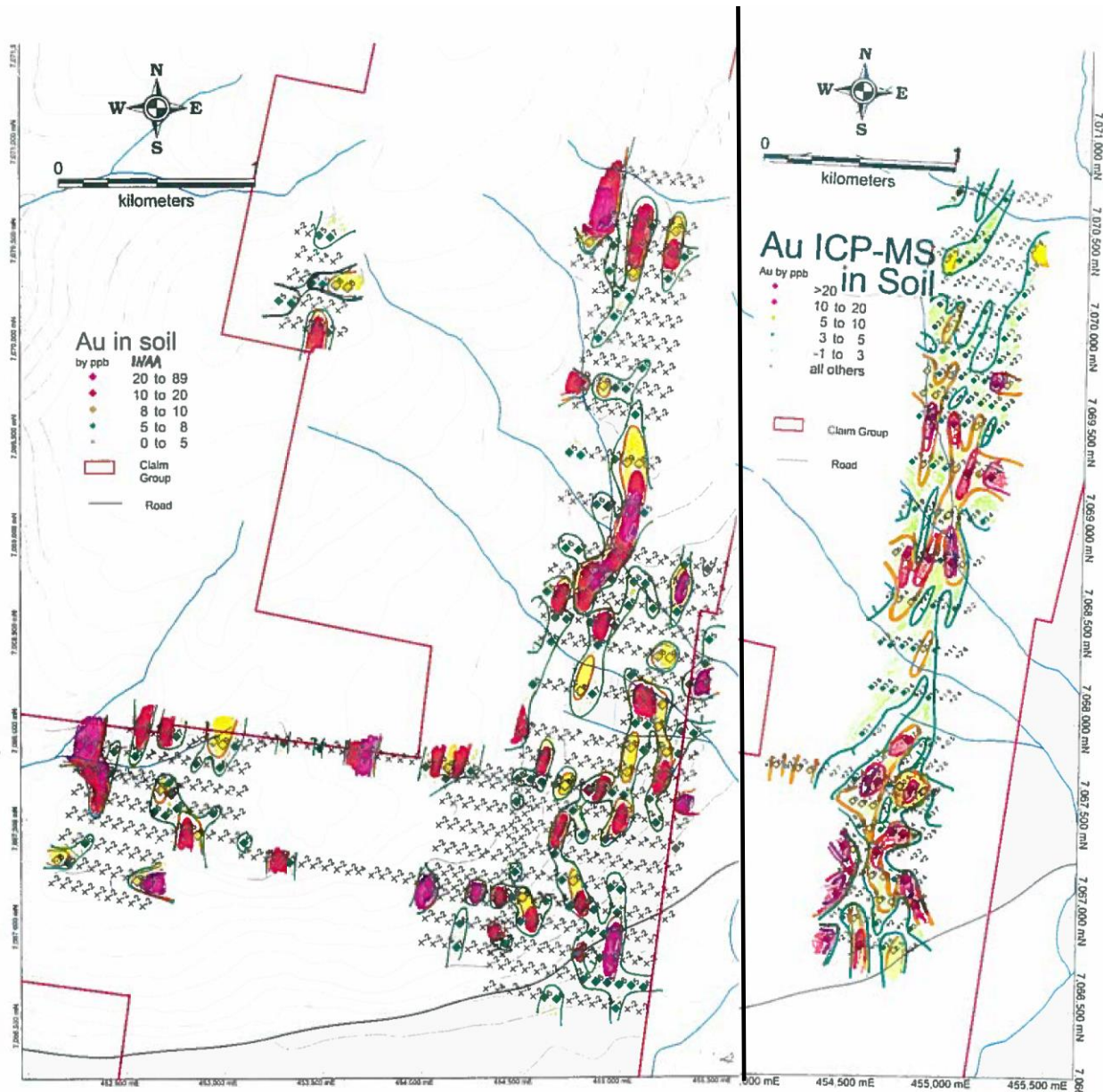


Figure 10: Contoured Au plots for samples analysed by INAA and by ICP-MS after aqua regia digestion at Trail-Minto from 2015 (right) and 2015/2016 (left)

and lows in adjacent samples, in some cases reversing during duplication using alternate analytical techniques. Duplicate samples under both techniques can show extreme variations; this points to the nugget effect. Anomalous samples analyzed using the neutron activation technique generally yield higher values than those using the ICP-MS technique, especially at the north end of the Roaring Fork Grid. This variation is not uncommon in methods following aqua-regia digestion and is likely due to graphite interference or incomplete digestion. The authors of this report have also found in areas where this Au variation is consistent methods using aqua-regia digestion are effective for tracing anomalies, however it does not appear to be consistent on samples within the Trail-Minto claim group.

8.3 Roaring Fork Grids

Sampling east of Roaring Fork Creek expanded the 2015 targeting grids (Figure 10). Sampling extended west to connect the two 2015 targeting grids and east to test the limit of gold anomalies downslope in that direction. The expanded grid better covers the inferred boundaries of the Roaring Fork Stock. The western slopes are boggy in places and discontinuously frozen. The eastern slopes are mostly well drained soils with occasional sediment filled drainages. The tops of the uplands are a mix of felsomere, outcrop and soils.

Results from the expanded Roaring Forks Grid (Figure 10 and 12) confirmed gold anomalies from MLM's earlier programs and expanded gold anomalies around the periphery of the former grid. The highest gold values show discontinuous N-S linear anomalies up to 1.5 km in length. Contour patterns indicate the gold anomalies are generally less than 100m wide (Figure 10 and 12). In many instances the anomalies offset and then continue on in a N-S direction. Frequently, it appears that transported alluvium and colluviums from surficial processes may result in an anomaly being moved. A typical soil profile shows multiple layers of schist fragments, sandy alluvium and clay sized material. The different strata probably segregate gold differently. This can complicate the identification of an anomaly and its position relative to a bedrock source for gold. These sediments are likely deposited from short-lived seasonal

streams and creeks that are affected by periglacial processes. The Au anomalies do not show any clear association with other elements, except for Zn (Figure 12).

The Roaring Fork Grids show a wide area within the central part of the grid marked by high values of Ba and Na (Figures 12 and 13) and low values of Sm, Ce, Th, Fe, Hf, Sb, As (Figure 13), Co and W (Figure 14). Linear anomalies of various elements are present over about 400 m of the eastern part of the area characterized by high Na and Ba values. Exposure is poor, but the Roaring Fork Stock has been mapped over parts of this area.

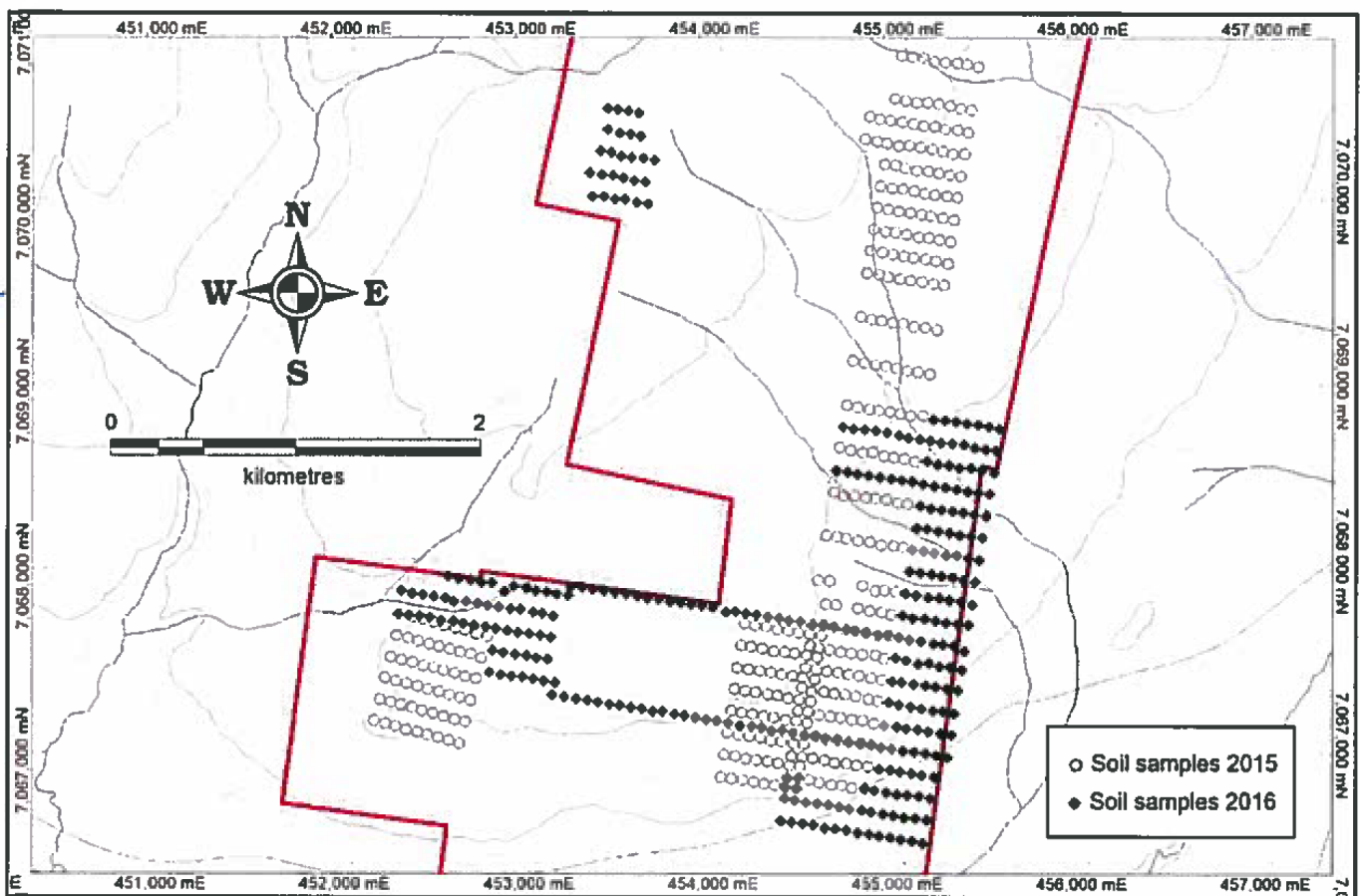


Figure 11: The Roaring Fork Grid with sample sites distinguished based on year of sampling

The east part of the extended grid that has a N-S orientation is marked by curvilinear moderately wide (± 200 m) to narrow (< 50 m) N-S trending anomalies or enhancements in numerous elements: As, Ce, Co, Fe, La, Lu, Na, Nd, Sb, Sm, Rb, Tb, Th and W (Figures 12 – 14 and Appendix D and E), amongst others. The 2015 ICP-MS plots for a its portion of the extended grid indicate that Cr, Cu, K, Mg and Mn also show N-S trending bands of enhanced and anomalous values. Values for As, Sb and Mg are relatively low in the southern part of this area. The anomalous and raised values for Na (Figure 13) and to a lesser degree Ba (Figure 12) are generally in the areas marked by lows for the other elements. There are a few locations where either highs or lows in some elements show a NW orientation in the central portion of the grid. This is well shown on the plots for Ce and Th (Figure 13). It is shown by many other elements such as As, Sb, Sn and W, amongst others. Other elements, including Au, do not always have flexures or gaps in their plotted anomalies.

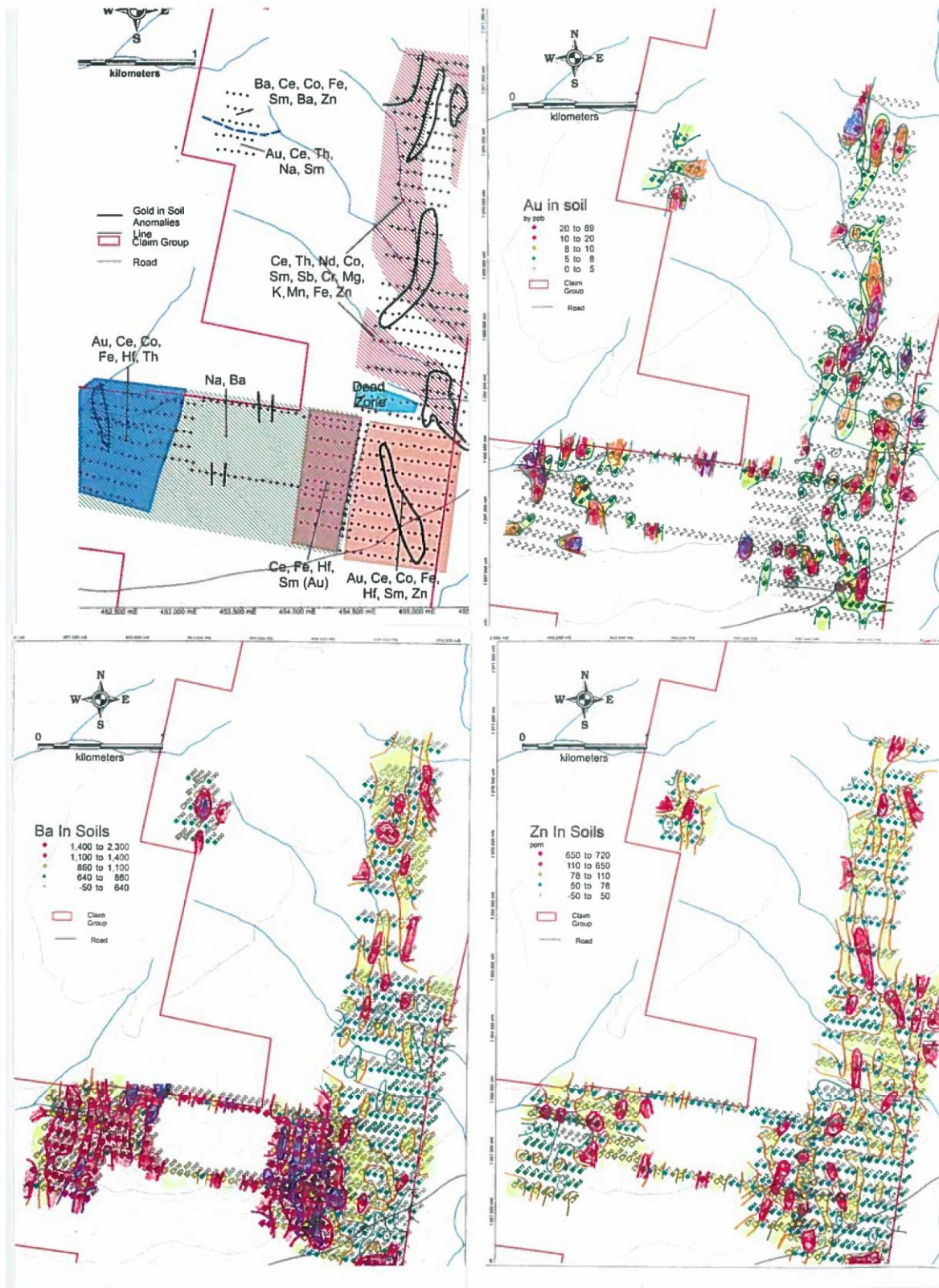


Figure 12: Au, Zn, Ba, and a synopsis of element associations at Trail-Minto



Figure 13: Na, Ce, As, Th in soils at Trail-Minto

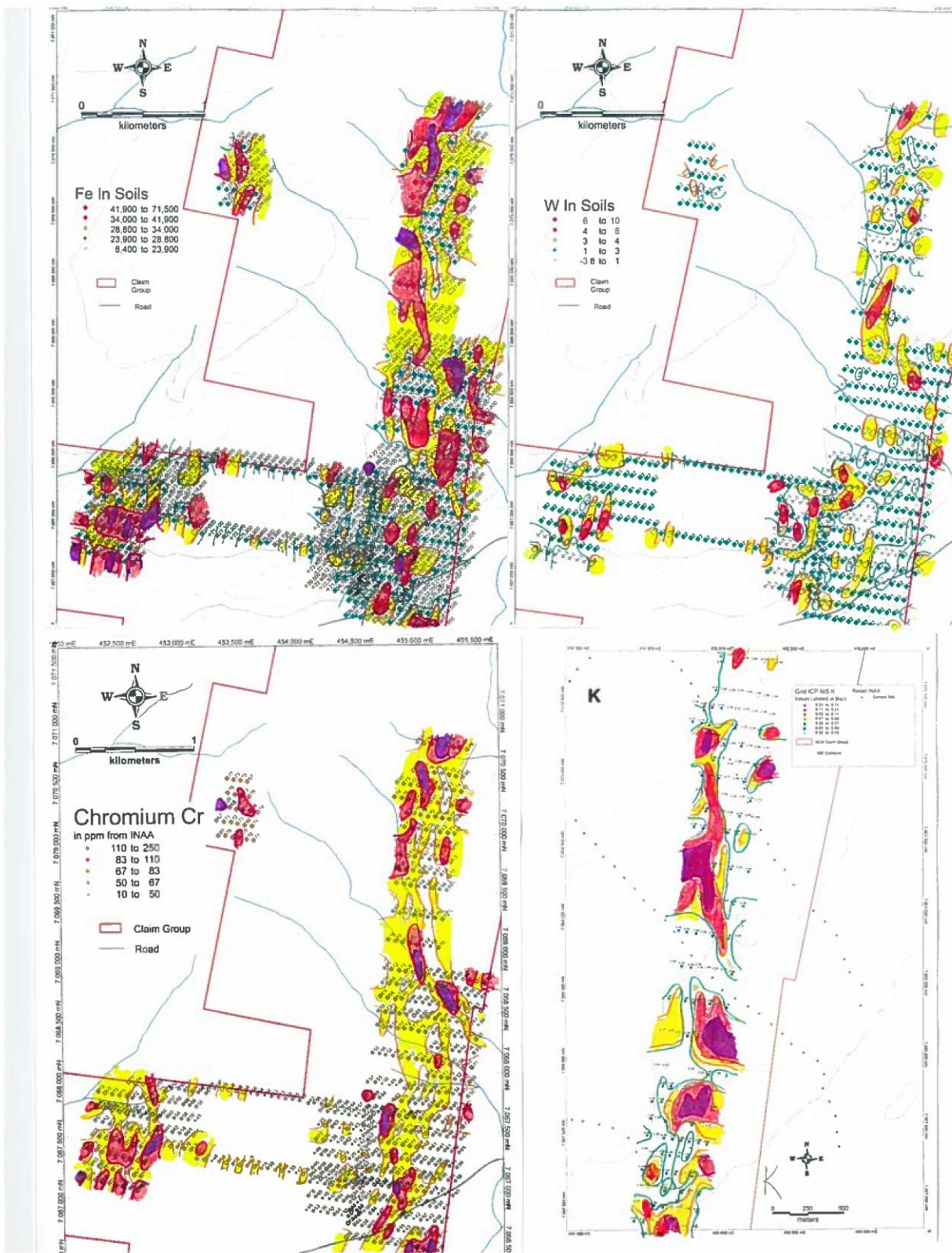


Figure 14: Fe, W, Cr, K in soils at Trail-Minto

8.4 Carlin Grid

The Carlin grid expansion extends the Carlin West grid defined by MLM's 2015 program by 1.5km to the southeast (Figure 15). Felsomere and colluvium in the area generally showed signs of cryoturbation. Sample sites were above the McConnell glacial limit.

Au in soil values (maximum recorded – 58.1 ppb) commonly show enhanced and anomalous patterns that are similar to those shown by other elements. The contour patterns of Ti and Th are similar to those of Au (Figure 16). Relative to most other elements the Au anomalies are fragmented disjointed or offset (Figures 16 – 18 and Appendix 20). This may be due to cryoturbation of near-surface materials, the inconsistency of sample digestion by aqua regia or the actual distribution of the Au within the soils.

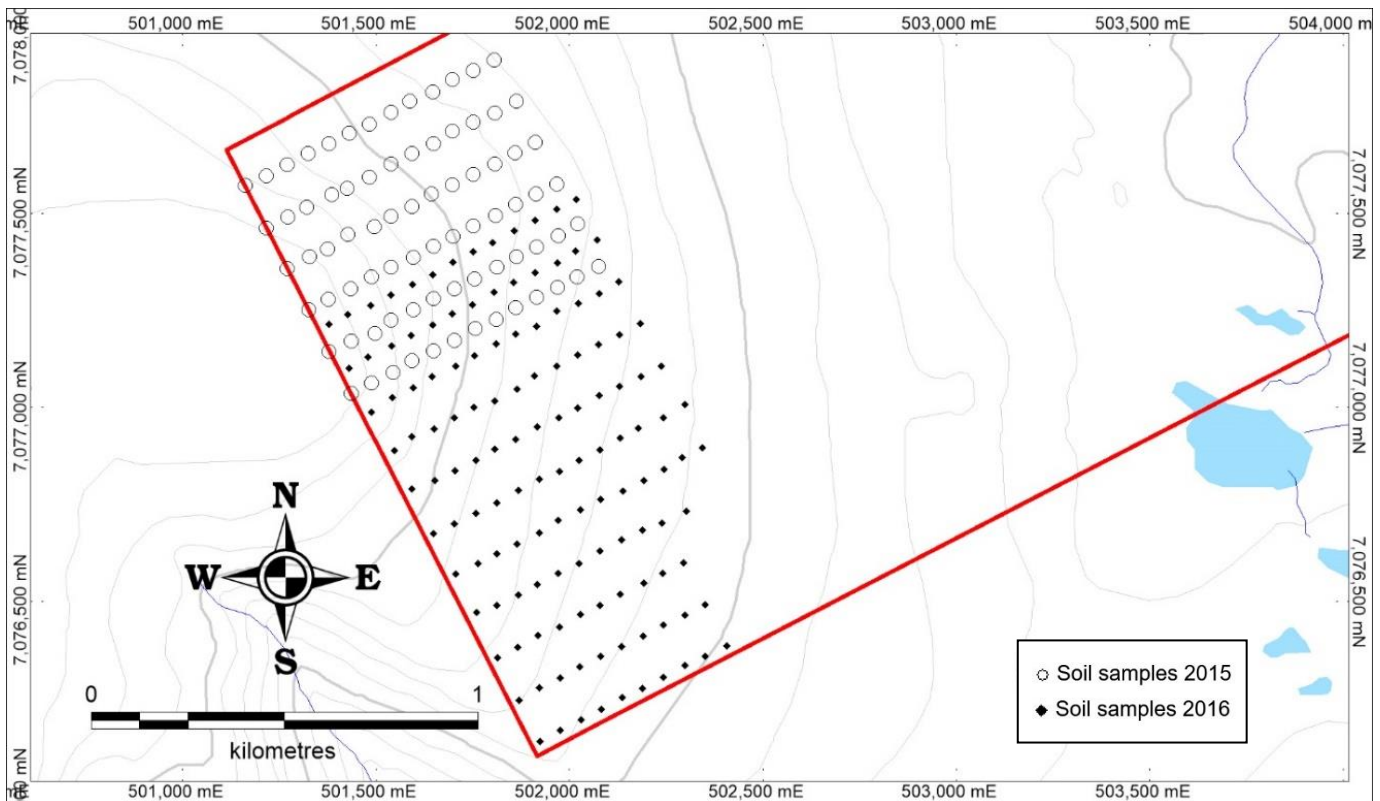


Figure 15: The Carlin grid with sample sites identified by year of sampling

The contour patterns for many elements have a definitive NNW trend to them; a few elements such as Au, Ba and Ti show N-S trends. Contours showing these trends are generally interrupted by two NE trending discontinuities. Most high gold values lie within an irregular 300 by 600 m area in the central part of the grid. The high gold values lie within and beyond the west edge of a similar shaped area marked by high values of Ag, As, Sb and Pb (Figure 16). Some correlation of the Au can be seen within the two NNW-trending elongated anomalies populated by other elements: one in the north-central part of the sampled area includes As, Ba, Cr, Fe, Mo, Pb and Sb, and to a lesser degree, Ag and Zn; and a second populated by Ca, Cr, Cu, Ni, Th, Ti and Zn, and to a lesser degree As, Fe and K. A NNW-trending elongated anomaly, populated by Ba, Cr, Fe, K and Mo, runs down the central part of the grid and does not appear to have an association with any Au anomalies. However, it may well be that the distribution of gold anomalies simply reflects multi-oriented veins that coalesce within the central part of the sampled grid.

Elements such as Ag, Cu, Mg, Ni, and Zn are enhanced in value along the N edge of the grid. Similarly, Ba, Cr, Ce and Zn, possibly Mg and Ni, are also enhanced along the very east edge of the grid.

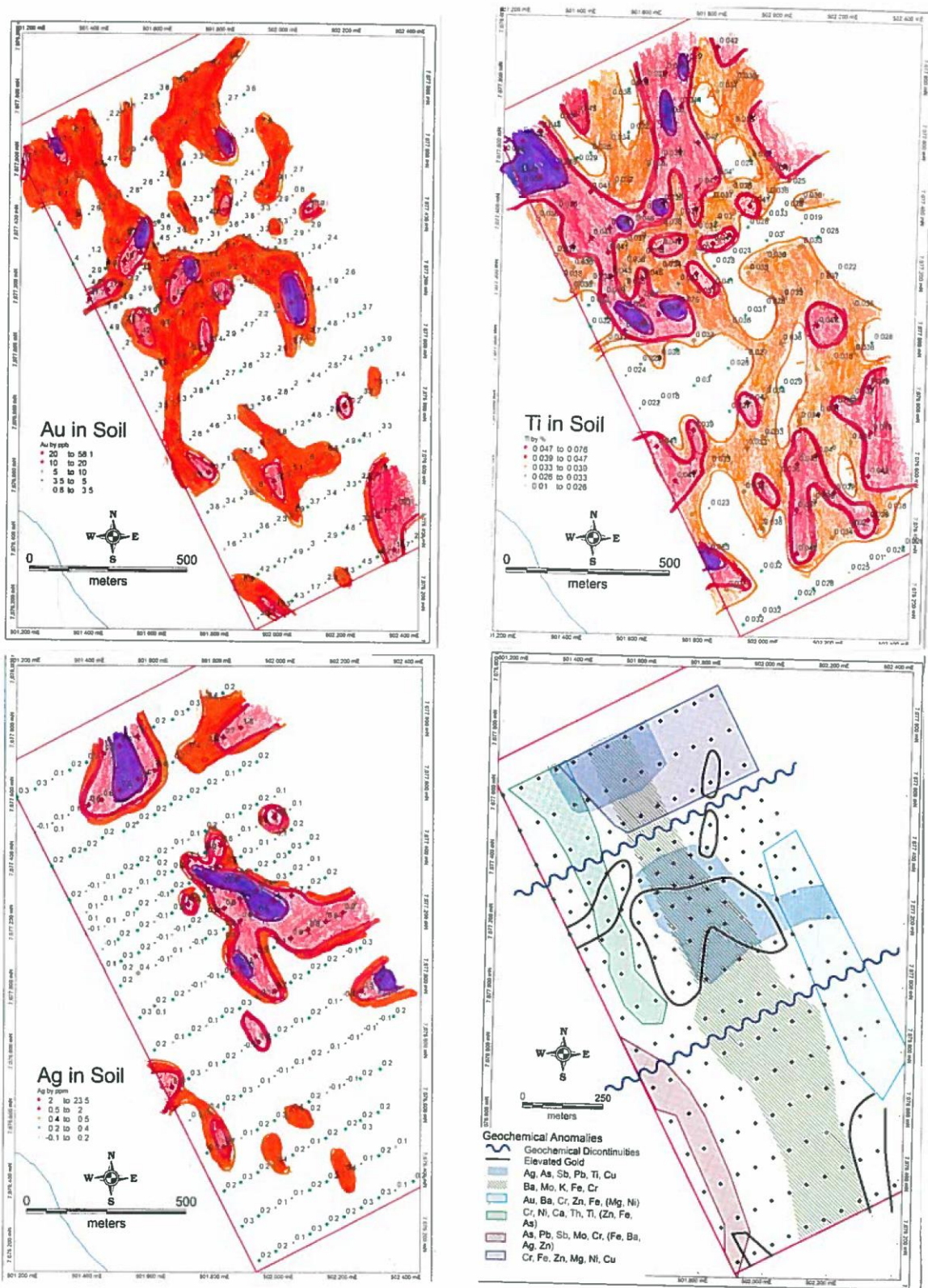


Figure 16: Au, Ti, Ag plus synopsis of element associations at Carlin

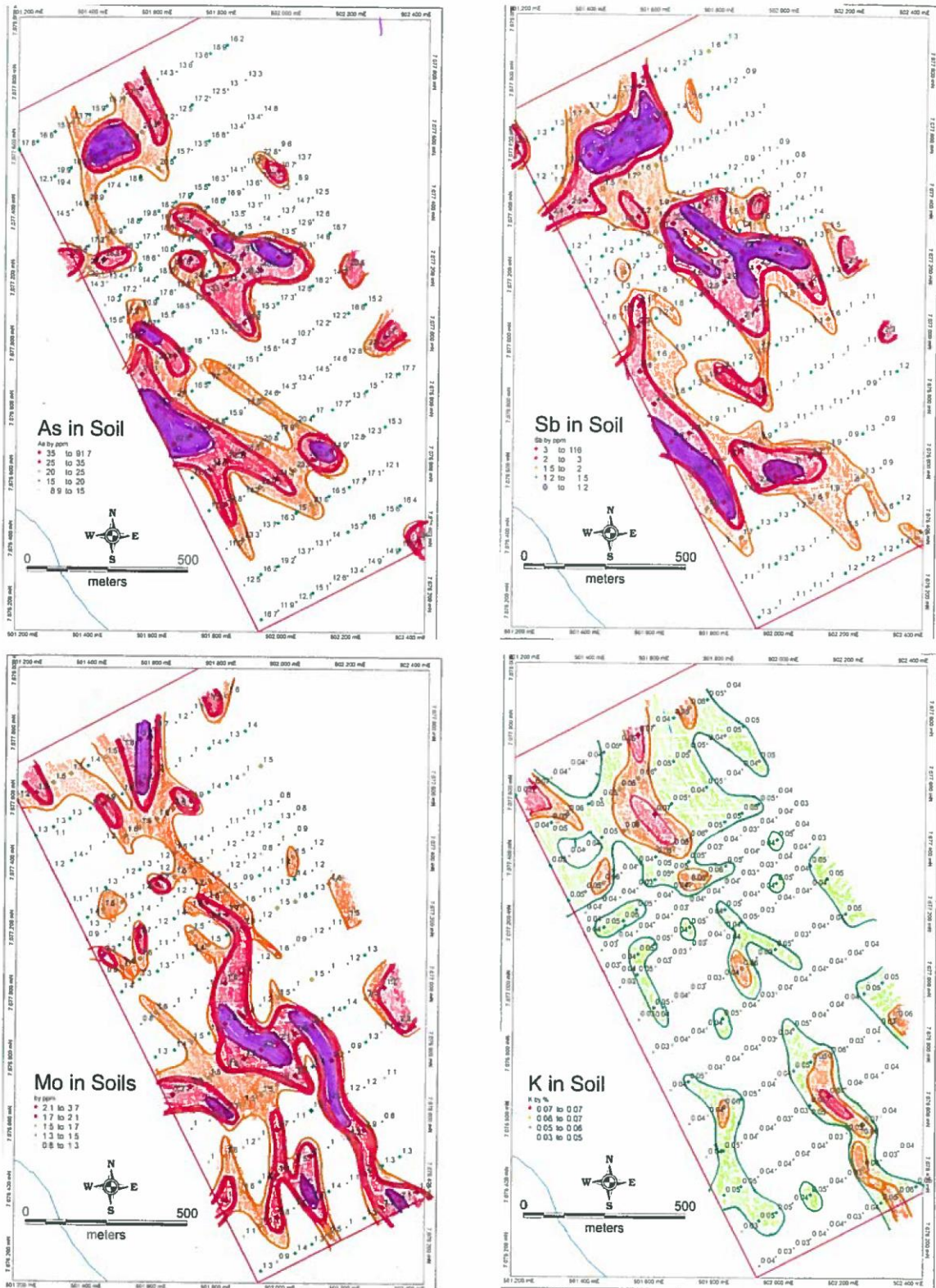


Figure 17: Mo, K, As, Sb in soils at Carlin

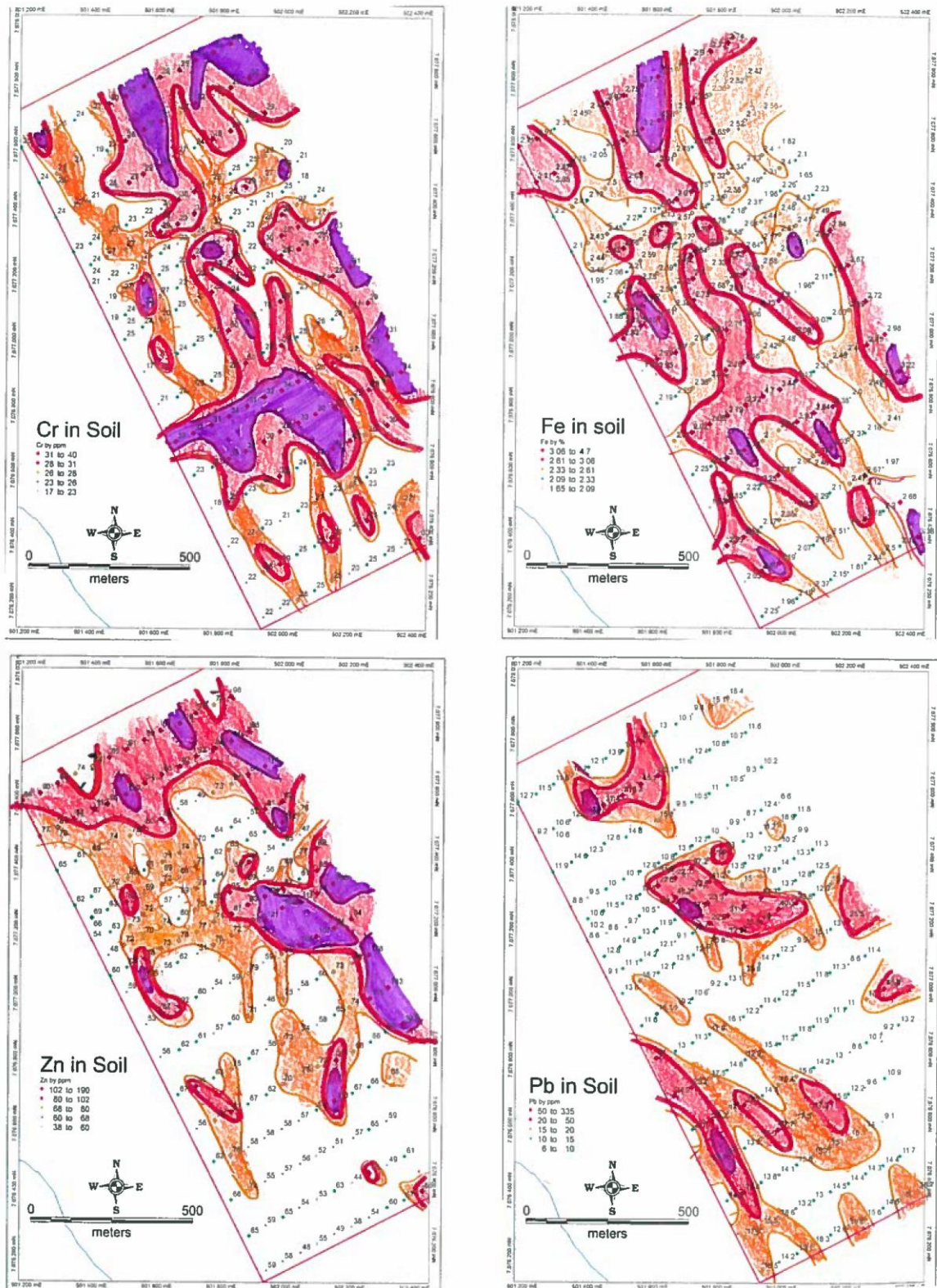


Figure 18: Cr, Fe, Zn, Pb in soils at Carlin

9.0 Discussion

9.1 Property Geology and Mineral Potential

The properties are most likely to host deposits related directly or indirectly to the Tombstone Plutonic Suite with the intrusions carrying the mineralization or providing the heat source for orogenic gold. In many cases these intrusions may not be visible; dykes or plugs smaller than several square kilometers are commonly not mapped or not included in regional scale maps. Small intrusions may still successfully host or drive mineralization; small exposures could also be indicative of larger unroofed stocks. Fluids associated with the emplacement of plutons and stocks probably move along structures induced by the intrusions or regional tectonics to their site of emplacement. Mineral deposits may be related to magma and fluid off-shoots from the larger plutons such as the Roop Stock. Economic deposits related to the stocks can be quite varied depending on proximity, host lithology, level of emplacement and regional structures; an idealized model for deposits relating to these intrusions is represented in Figure 7 of this report.

9.2 Trail-Minto Geology, Geophysics, Geochemistry and Mineral Potential

The Roaring Fork Stock and its alteration halo, whether it be exposed at the surface or near surface, is well marked by high values of Na and Ba, generally low to very low values of other plotted elements, and a low analytic signal (Ansig) values (Figure 19). Au and a few select elements such as Zn show isolated high values in this area. The remainder of the sampled area at Trail-Minto shows elongated generally N-S trending anomalies complementary to patterns on the Ansig and first vertical derivative plots. The geochem anomalies probably reflect fluid movement along faults and fractures induced by the Roaring Fork Stock or some coincident N-S structure.

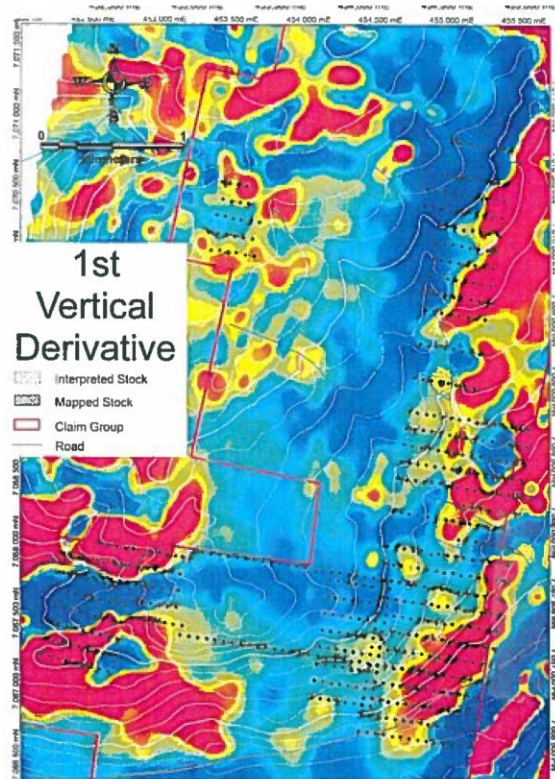
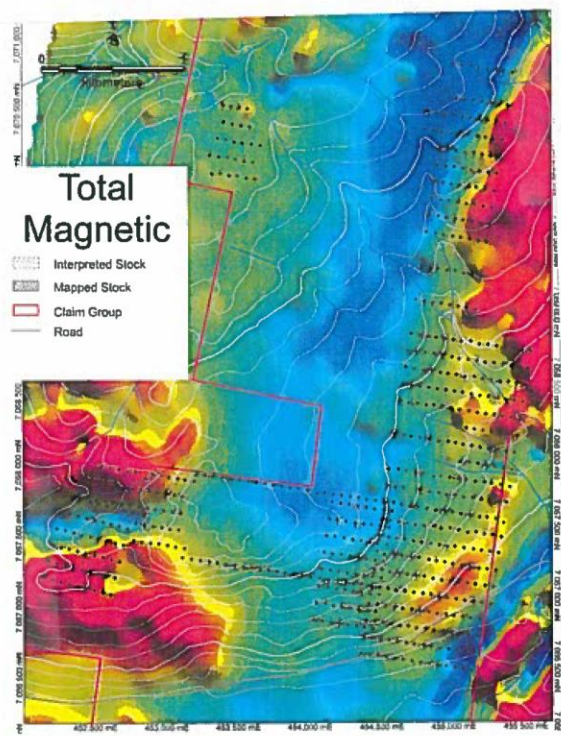
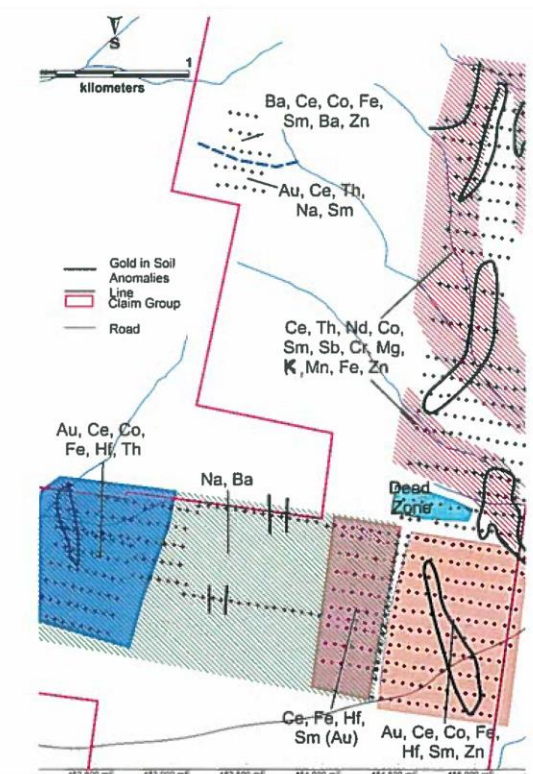
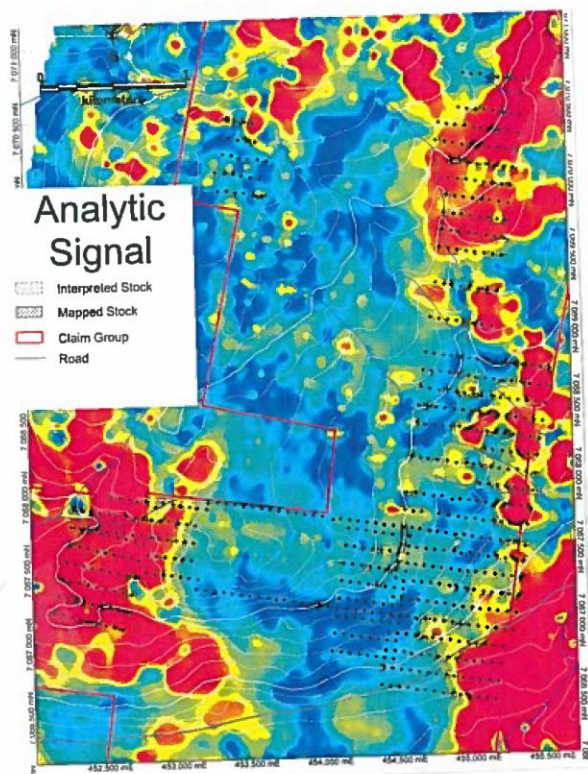


Figure 19: Geochemical associations, Total Mag, Analytical and First Derivative

Gold has no clear association with any specific elements other than Zn and may be present in association with different elements throughout the area. Over the area marked by a near-surface stock, the gold may be either contained in sheeted veins within the stock or veins intruded along parallel structures trending. The gold geochem plots indicate a spatial association with the shallow to medium depth Roaring Fork Stock, this implies a relationship between the stock and gold mineralization. Whether this relationship is direct in the form of intrusion derived fluids or secondary through the formation of local accommodation space is still undetermined.

It is noteworthy that the geophysics and geochemistry indicate that similar mineralization may well be present to both the west and east of the projected area underlain by the Roaring Fork Stock at shallow depths.

9.3 Carlin Geology, Geophysics, Geochemistry and Mineral Potential

Geochemical soil plots from the Carlin grid show NNW trending linear anomalous and elevated areas (Figure 16 - 18). These linear geochemical anomalies are reflected by the dominant geophysical lineation direction (Figure 20). The NNW trends in the plots probably reflect deposition of elements moving along breaks in lithology or faults. ENE trending breaks in the soil contours are also potentially reflected in the geophysics though this is difficult to determine as any such structures would be sub-parallel to flight direction. The soil contour breaks are obvious for some elements such as Ag, Fe and Pb, but not in other elements where the hand plotting is biased toward continuing anomalous and elevated trends. It is not obvious how these breaks may be related to the more significant anomalies in gold, base metals and indicator elements. Relatively broad, weak, but discontinuous anomalies are shown by most base metals and gold along the strong NNW trend. The NNW anomalies are also mirrored by elements that probably reflect wall rock alteration such as K and Ba.

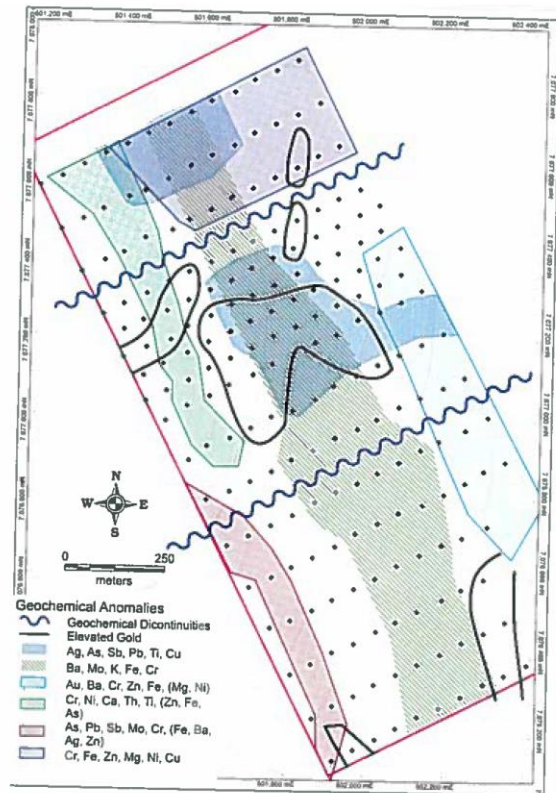
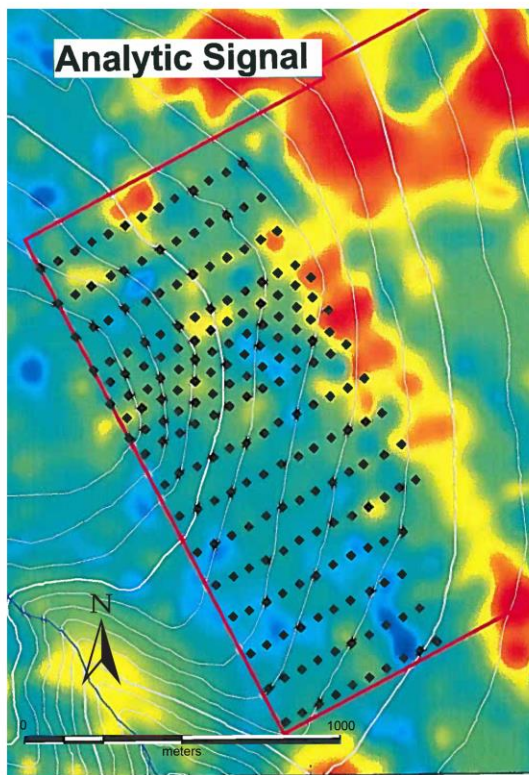
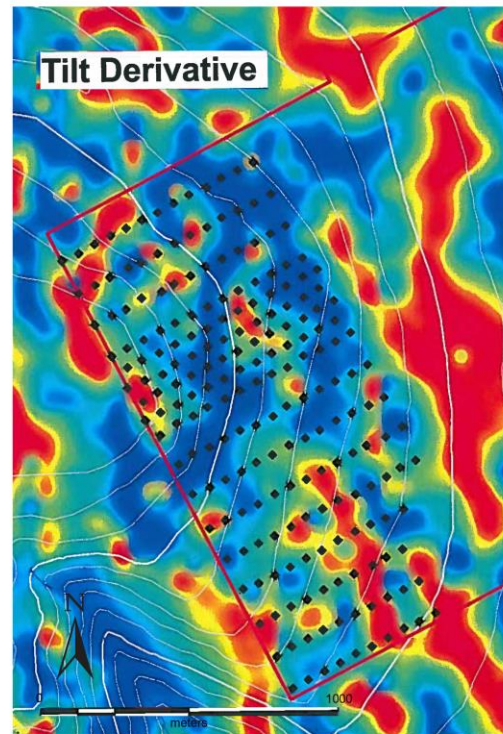
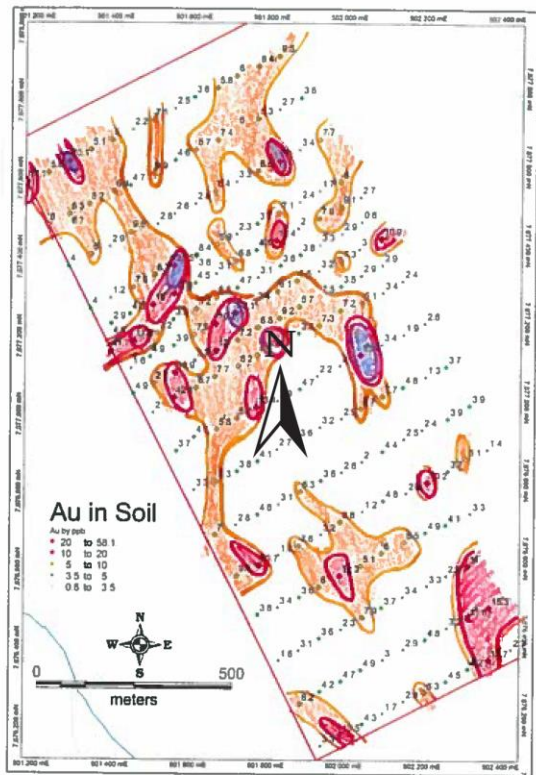


Figure 20: Geochemical associations, analytic signal and tilt derivative plots of airborne geophysics at Carlin

The most significant Au, As, Sb and base metal anomalies occur within a broad oblong area (350m by 450m) in the central part of the grid, which is limited by ENE breaks to the N and S of the central area. The area and continuity of Au anomalies are less than that shown by other elements; currently, it is not possible to determine if this distribution of gold in soil is related to continuity/masking of mineralization in the underlying bedrock or is caused by erroneous analysis (due aqua-regia digestion). In addition, the Au anomaly appears somewhat shifted to the W relative to the base metals. Ag shows the most distinctive anomaly, marked by a magnetic low in the Ansig plot (Figure 20). The geochemical association of this anomaly suggests a Keno Hill type vein.

The base metals are highly anomalous along the E side of the sampled area, which shows a long linear mag high on the Ansig plot. A similar area with many anomalous areas is present on the N part of the grid. This area is located on the south flank of a magnetic high.

10.0 Conclusion and Recommendations

10.1 Conclusions

Results to date from MLM's sampling programs and earlier silt and soil sampling and geophysics provide strong evidence that significant sources of gold mineralization are present on Trail-Minto and Carlin. This is to be expected with placer operations and strong gold in heavy mineral concentrates anomalies in streams draining the properties. The results from our exploration indicate that further work is merited on both properties.

At Trail-Minto, the geophysics and geochemistry point to the Roaring Fork Stock, and its alteration halo, being oriented down the center of the claim group as far north as the headwaters of Trail Creek. The magnetics define a number of significant faults most notably one that may mark the east edge of the Roaring Fork Stock (RFS). Many elements, including gold, show relative narrow linear anomalies trending in a NNE direction parallel to the major NNE trending structural feature. The linear gold

anomalies appear to be independent of most other anomalies. Isolated sampling across the RFS indicate that they are also present overlying the RFS and its alteration halo. The boundaries on the linear gold anomalies is not confirmed and there is a strong potential for further parallel anomalies east and west of those already delineated. The gold anomalies may be displaced slightly due to periglacial slope processes.

At Carlin, an oblong 450m by 350m area anomalous in Ag-Pb-Zn is present within the central part of the sampled area. The strength of the mineralization within the underlying bedrock is unknown though promising Ag in soils results up to 44g Ag/t are promising. A gold anomaly appears to be present in this area, although slightly displaced to the west. The nature and continuity of Au mineralization in this area is uncertain, possibly because of the uncertainty of the analytical results for Au caused by the effects of graphite within the sampled materials. Whether it is distal to the Roop Lake Stock or is due to other fluids is uncertain.

The utilization of geochemical soil sampling to delineate gold mineralization in bedrock at Carlin and Trail-Minto was hindered by two issues. One is the analytical issue whereby the gold content samples analyzed by an ICP-MS technique after digestion by aqua regia may be erroneously low due to interference from graphite in the sampled material. Secondly, the position of anomalies relative to the bedrock source may also be affected by cryoturbation and glaciofluvial and periglacial processes. .

10.2 Recommended Exploration

At Trail-Minto, drill targets focusing on gold mineralization have been identified but would benefit from some refinement for drill collar locations. Trenching or drilling to utilizing a small mechanized hammer type drill for sampling percussion holes at 0.5 to 1.0m spacing to obtain bedrock samples may be implemented to better define drill locations.

It has become apparent that the ground immediately east and west of the present sampled area shows potential for gold mineralization and it is recommended that these areas be sampled with similar spacing

to past campaigns (lines spaced at 120 with samples spaced at 60 intervals along the lines). Drilling could then be focused on areas with the greatest potential for significant gold mineralization.

At Carlin, it is recommended that all those soil samples or pulps previously collected, retained and analyzed by ICP-MS, within the central part of Carlin, be reanalyzed by fire assay for gold. The results from ICP-MS can be erroneous because of graphite content. Other areas having “broken gold anomalies” also warrant reanalysis of the sample by fire assay.

Tighter spaced soil sampling and/or closely spaced percussion holes are recommended to tighten up drill targets (Au, Ag, and base metals) within the broad 450m by 350m anomaly area. If this strategy is unsuccessful in defining discrete targets, a fence of shallow inclined DD holes from SW to NE is recommended.

Geophysical and geochemical work to date has indicated that other areas within Carlin have mineral potential. It is recommended that these areas be covered by strategically oriented soil sampling grids at spacing of 120 m by 60 m.

Hand trenching previously encountered significant difficulties in investigating mineral targets in the Mayo Lake. It is recommended that drilling multiple closely spaced shallow holes be used in lieu of trenching because of logistical challenges and poor soil conditions.

It is also recommended that all samples in the Mayo Lake area be analyzed by fire assay for gold because of the uncertainty the gold results of other techniques.

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Appendix A: Statement of Qualifications

Dr. V.N. Rampton, P.Eng.

Rampton Resources Group Inc.

P.O. Box 158, 107 Falldown Lane

Carp, Ontario. K0A 1L0

Tel: (613) 836-2594; E-mail: vrampton@rogers.com

I, V.N. (Vern) Rampton, Ph.D., P.Eng., do hereby certify that

1. I am President of Rampton Resource Group Inc. and President and CEO of Mayo Lake Minerals Inc.
2. I graduated with a B.Sc. Eng. (Geology) from University of Manitoba in 1962 and with a Ph.D. (Geology) from University of Minnesota in 1969.
3. I am a member of the Professional Engineers of Ontario.
4. I have worked as a geologist for over 50 years, specifically in mineral exploration for the last 40 years, in Canada, Slovakia, Finland, Spain, Burkina Faso, Jamaica and the United States of America.
5. By reason of my education, affiliation with a professional organization (as defined in N.I. 43-101) and past relevant work experience, I fulfill the requirements of a "qualified person" for the purposes of N.I. 43-101.
6. By reason of my being CEO, President and a Director and my shareholdings in Mayo Lake Minerals Inc., I am not an "independent qualified person" for the purposes of N.I. 43-101.
7. I am a co-author of the technical report titled "Assessment Report on the Trail-Minto and Carlin Claim Groups Describing the 2016 Soil Sampling Survey".
8. Certain statements concerning the interpretations and discussion of the data maybe considered forward looking statements in that although conceived from the data as recorded to the best of my knowledge may prove in need of variation or changed to reflect changes or updates to the data.

Dated the 19th day of March 2017; Amended 28th day of November 2017



Vernon Neil Rampton

Tyrell Sutherland M.Sc. P.Geo.

Mayo Lake Minerals Inc.

P.O. Box 158, 107 Falldown Lane

Carp, Ontario. K0A 1L0

Tel: (613) 884-8332; E-mail: tyrell.sutherland@outlook.com

I, T.B. Sutherland, M.Sc., do hereby certify that

1. I am Vice-President of exploration of Mayo Lake Minerals Inc.
2. I graduated with a B.Sc. Honors Specialization Geology, from the University of Ottawa in 2009.
In addition, I have obtained an M.Sc in Geology from Queens University in 2016.
3. I am a member in good standing of the Association of Professional Geoscientists of Ontario.
4. I have worked as a geologist for approximately 8 years, specifically in mineral exploration, in Canada, Australia, Jamaica and China.
5. I fulfill the requirements of a "qualified person" for the purposes of N.I. 43-101.
6. I am co-author and to the best of my knowledge all data used in the preparation of the technical report titled "Assessment Report on the Trail-Minto and Carlin Claim Groups Describing the 2016 Soil Sampling Survey" is correct and of good quality. The technical information contained within the report was collected under my supervision and I was primarily responsible for its interpretation.
7. Certain statements concerning the interpretations and discussion of the data maybe considered forward looking statements in that although conceived from the data as recorded to the best of my knowledge may prove in need of variation or changed to reflect changes or updates to the data.

Dated the 19th day of March 2017; Amended 28th day of November 2017



Tyrell Brodie Sutherland

Appendix B: Sample Locations

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760019	454952	7067517	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760020	455010	7067502	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760021	455072	7067487	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760022	455130	7067488	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	brown to black
1760023	455187	7067472	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760024	455245	7067467	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	red-brown
1760025						Chrystell Thibault-Boyer	STD - BL10
1760026	455305	7067452	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	red-brown
1760027	455287	7067340	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	Light to beige
1760028	455226	7067350	-	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760029	455168	7067358	777	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760030	455112	7067367	775	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760031	455046	7067375	780	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760032	454984	7067386	790	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760033	454984	7067386	790	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	dup 1760032
1760034	454931	7067389	788	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760035	454913	7067277	792	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760036	454969	7067263	776	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760037	455032	7067252	764	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	grey
1760038	455090	7067241	759	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	red brown
1760039	455151	7067230	752	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760040	455206	7067227	755	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	brown to tan
1760041	455267	7067215	750	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760042	455251	7067102	733	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760043	455194	7067109	732	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760044	455126	7067119	746	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760045	455069	7067128	742	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760046	455008	7067132	744	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1760047	454957	7067144	751	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760048	454891	7067150	762	7/21/2016	Trail-Minto	Chrystell Thibault-Boyer	grey
1760049	453602	7069975	1144	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760050						Chrystell Thibault-Boyer	Blank
1760051	453542	7069982	1150	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760052	453478	7070000	1152	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760053	453423	7070000	1157	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760054	453362	7070016	1159	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760055	453303	7070015	1163	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760056	453288	7070144	1168	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	to dark brown
1760057	453351	7070133	1164	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760058	453412	7070130	1156	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760059	453467	7070115	1156	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	to dark brown
1760060	453527	7070102	1151	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	to dark brown
1760061	453590	7070094	1148	7/22/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760062	455230	7066979	707	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760063	455169	7066990	716	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760064	455111	7066998	722	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760065	455051	7067006	727	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	brownish grey
1760066	455051	7067006	727	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	dup 1760065
1760067	454991	7067016	720	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760068	454931	7067024	738	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760069	454872	7067032	745	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish beige
1760070	454819	7067047	752	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	grey brown
1760071	454761	7067055	757	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	light grey (silvery)
1760072	454697	7067063	777	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760073	454634	7067078	796	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	to light grey
1760074	454572	7067082	812	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	brownish grey
1760075						Chrystell Thibault-Boyer	STD - CM36
1760076	454516	7067097	828	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760077	454459	7067099	833	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760078	454395	7067111	847	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	orangey brown

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760079	454336	7067126	846	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	reddish brown
1760080	454279	7067124	853	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760081	454226	7067141	873	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan-pink
1760082	454170	7067148	869	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan-pink
1760083	454105	7067152	869	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760084	454043	7067166	877	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760085	453981	7067176	888	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760086	453923	7067183	909	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760087	453865	7067196	909	7/24/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1760088	454701	7066700	691	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1760089	454645	7066710	706	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	tan grey
1760090	454586	7066719	716	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1760091	454526	7066728	707	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	blueish grey
1760092	454466	7066735	727	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	pink beige
1760093	454405	7066745	741	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1760094	454412	7066808	758	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	pink beige
1760095	454424	7066866	783	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	pink beige
1760096	454364	7066865	792	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	beige
1760097	454349	7066818	778	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	pink beige
1760098	454349	7066756	754	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760099	454349	7066756	754	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	dup 1760098
1760100						Chrystell Thibault-Boyer	Blank
1760301	454329	7066635	707	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	pink beige
1760302	454387	7066628	688	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760303	454448	7066620	691	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1760304	454506	7066613	682	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1760305	454567	7066595	688	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	brownish grey
1760306	454623	7066591	682	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	brownish grey
1760307	454684	7066582	672	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	Dark grey
1760308	454746	7066571	666	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	Dark grey brown
1760309	454805	7066561	663	7/25/2016	Trail-Minto	Chrystell Thibault-Boyer	grey
1760310	501648	7076673	1493	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760311	501702	7076699	1481	7/26/2016	Carlin	Chrystell Thibault-Boyer	greyish brown
1760312	501758	7076726	1472	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760313	501812	7076753	1456	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760314	501868	7076786	1456	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760315	501921	7076814	1445	7/26/2016	Carlin	Chrystell Thibault-Boyer	brownish grey
1760316	501973	7076835	1441	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760317	502025	7076863	1434	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760318	502078	7076889	1426	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760319	502131	7076921	1422	7/26/2016	Carlin	Chrystell Thibault-Boyer	greyish brown
1760320	502076	7077030	1435	7/26/2016	Carlin	Chrystell Thibault-Boyer	greyish brown
1760321	502020	7076998	1440	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760322	501972	7076972	1444	7/26/2016	Carlin	Chrystell Thibault-Boyer	to dark brown
1760323	501916	7076950	1453	7/26/2016	Carlin	Chrystell Thibault-Boyer	brownish grey
1760324	501861	7076917	1458	7/26/2016	Carlin	Chrystell Thibault-Boyer	to light brown
1760325						Chrystell Thibault-Boyer	STD - BL10
1760326	501807	7076893	1478	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760327	501757	7076862	1478	7/26/2016	Carlin	Chrystell Thibault-Boyer	Medium brown
1760328	501704	7076836	1488	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760329	501651	7076811	1503	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760330	501593	7076788	1519	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760331	501547	7076888	1547	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760332	501593	7076925	1540	7/26/2016	Carlin	Chrystell Thibault-Boyer	greyish brown
1760333	501593	7076925	1540	7/26/2016	Carlin	Chrystell Thibault-Boyer	dup 1760332
1760334	501650	7076945	1522	7/26/2016	Carlin	Chrystell Thibault-Boyer	grey
1760335	501702	7076972	1507	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760336	501753	7077000	1495	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760337	501807	7077017	1478	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760338	501864	7077046	1466	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760339	501909	7077080	1457	7/26/2016	Carlin	Chrystell Thibault-Boyer	brownish grey
1760340	501967	7077107	1447	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760341	502020	7077135	1437	7/26/2016	Carlin	Chrystell Thibault-Boyer	brown
1760342	501870	7076243	1421	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760343	501924	7076137	1401	7/27/2016	Carlin	Chrystell Thibault-Boyer	yellowish brown

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760344	501975	7076166	1392	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760345	502030	7076193	1383	7/27/2016	Carlin	Chrystell Thibault-Boyer	tan-greyish brown
1760346	502082	7076220	1377	7/27/2016	Carlin	Chrystell Thibault-Boyer	grey-brown
1760347	502135	7076251	1378	7/27/2016	Carlin	Chrystell Thibault-Boyer	yellowish brown
1760348	502189	7076274	1373	7/27/2016	Carlin	Chrystell Thibault-Boyer	brownish grey
1760349	502243	7076302	1371	7/27/2016	Carlin	Chrystell Thibault-Boyer	greyish brown
1760350						Chrystell Thibault-Boyer	Blank
1760351	502298	7076333	1363	7/27/2016	Carlin	Chrystell Thibault-Boyer	greyish brown
1760352	502350	7076356	1358	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760353	502406	7076384	1354	7/27/2016	Carlin	Chrystell Thibault-Boyer	grey-brown
1760354	502351	7076490	1364	7/27/2016	Carlin	Chrystell Thibault-Boyer	yellowish brown
1760355	502298	7076463	1368	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760356	502243	7076438	1374	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760357	502190	7076408	1382	7/27/2016	Carlin	Chrystell Thibault-Boyer	yellowish brown
1760358	502134	7076383	1387	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760359	502081	7076356	1391	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760360	502026	7076330	1398	7/27/2016	Carlin	Chrystell Thibault-Boyer	greenish brown
1760361	501975	7076301	1409	7/27/2016	Carlin	Chrystell Thibault-Boyer	reddish brown
1760362	501922	7076275	1416	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760363	501814	7076363	1435	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760364	502295	7076597	1381	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760365	502240	7076571	1380	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760366	502240	7076571	1380	7/27/2016	Carlin	Chrystell Thibault-Boyer	dup 1760365
1760367	502192	7076545	1389	7/27/2016	Carlin	Chrystell Thibault-Boyer	yellowish brown
1760368	502131	7076517	1395	7/27/2016	Carlin	Chrystell Thibault-Boyer	yellowish brown
1760369	502078	7076489	1404	7/27/2016	Carlin	Chrystell Thibault-Boyer	grey-brown
1760370	502029	7076464	1409	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760371	501974	7076433	1415	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760372	501919	7076410	1423	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760373	501865	7076380	1432	7/27/2016	Carlin	Chrystell Thibault-Boyer	brown
1760374	453803	7067205	910	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760375					Trail-Minto	Chrystell Thibault-Boyer	STD - CM36
1760376	453750	7067212	921	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760377	453685	7067228	923	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	light yellowish brown
1760378	453631	7067227	937	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760379	453575	7067242	944	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760380	453513	7067250	945	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760381	453452	7067258	967	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760382	453393	7067267	974	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	Meidum brown
1760383	453333	7067277	975	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760384	453276	7067288	978	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	light yellowish brown
1760385	453214	7067295	1003	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760386	453151	7067304	1017	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	orange brown
1760387	453087	7067315	1014	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760388	453101	7067380	1021	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760389	453041	7067390	1015	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760390	452982	7067401	1020	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	browb
1760391	452922	7067412	988	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	light yellowish brown
1760392	452865	7067418	983	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1760393	452804	7067425	965	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown-greenish grey
1760394	452745	7067437	953	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	beige
1760395	452762	7067555	962	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish brown
1760396	452821	7067547	974	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	grey to tan
1760397	452883	7067537	978	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760398	452945	7067528	1006	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish brown
1760399	452945	7067528	1006	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	dup 1760398
1760400					Trail-Minto	Chrystell Thibault-Boyer	Blank
1544001	453000	7067517	1003	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544002	453061	7067510	1024	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	orange brown
1544003	453077	7067629	1005	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544004	453020	7067639	1000	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1544005	452960	7067647	989	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	grey
1544006	452899	7067655	980	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	to dark grey
1544007	452843	7067664	975	7/28/2016	Trail-Minto	Chrystell Thibault-Boyer	tan brown
1544008	455419	7068169	820	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1544009	455358	7068176	826	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544010	455298	7068182	829	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	to light brown
1544011	455241	7068193	829	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544012	455180	7068204	829	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544013	455119	7068213	849	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	to light brown
1544014	455065	7068223	853	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	yellowish brown
1544015	455083	7068341	864	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544016	455142	7068328	858	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	greyish brown
1544017	455200	7068320	850	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544018	455260	7068313	852	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544019	455319	7068303	844	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1544020	455376	7068294	831	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1544021	455438	7068282	821	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown-green grey
1544022	455459	7068404	824	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	beige brown
1544023	455398	7068411	827	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	orange brown
1544024	455338	7068419	827	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1544025						Chrystell Thibault-Boyer	STD - BL10
1544026	455281	7068429	846	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1544027	455219	7068442	861	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	tan
1544028	455158	7068448	874	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	ornagey brown
1544029	455100	7068459	864	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544030	455039	7068472	878	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	greenish grey
1544031	454983	7068480	887	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	grey
1544032	454925	7068489	895	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544033	454925	7068489	895	7/29/2016	Trail-Minto	Chrystell Thibault-Boyer	dup 1544032
1544034	454864	7068497	897	7/30/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544035	454803	7068508	898	7/30/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544036	454744	7068514	903	7/30/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544037	454687	7068524	906	7/30/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1544038	454628	7068532	907	7/30/2016	Trail-Minto	Chrystell Thibault-Boyer	brown
1760118	455042	7068104	857	7/21/2016	Trail-Minto	Tyrell Sutherland	tan
1760119	455103	7068095	847	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760120	455160	7068085	839	7/21/2016	Trail-Minto	Tyrell Sutherland	tan
1760121	455222	7068073	825	7/21/2016	Trail-Minto	Tyrell Sutherland	grey
1760122	455282	7068070	817	7/21/2016	Trail-Minto	Tyrell Sutherland	brown
1760123	455341	7068057	821	7/21/2016	Trail-Minto	Tyrell Sutherland	brown
1760124	455399	7068047	822	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760125					Trail-Minto	Tyrell Sutherland	Standard BL-10
1760126	455380	7067927	801	7/21/2016	Trail-Minto	Tyrell Sutherland	tan
1760127	455318	7067937	799	7/21/2016	Trail-Minto	Tyrell Sutherland	light brown
1760128	455259	7067952	815	7/21/2016	Trail-Minto	Tyrell Sutherland	dark brown
1760129	455199	7067961	822	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760130	455146	7067970	830	7/21/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760131	455085	7067979	846	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760132	455027	7067984	828	7/21/2016	Trail-Minto	Tyrell Sutherland	black
1760133	455027	7067984	828	7/21/2016	Trail-Minto	Tyrell Sutherland	duplicate of 1760132
1760134	455007	7067866	847	7/21/2016	Trail-Minto	Tyrell Sutherland	brown
1760135	455063	7067857	848	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760136	455126	7067843	839	7/21/2016	Trail-Minto	Tyrell Sutherland	light brown
1760137	455187	7067841	822	7/21/2016	Trail-Minto	Tyrell Sutherland	light brown
1760138	455241	7067830	812	7/21/2016	Trail-Minto	Tyrell Sutherland	light brown
1760139	455302	7067822	807	7/21/2016	Trail-Minto	Tyrell Sutherland	brown
1760140	455365	7067805	792	7/21/2016	Trail-Minto	Tyrell Sutherland	black
1760141	455342	7067696	790	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760142	455285	7067702	792	7/21/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760143	455224	7067707	809	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760144	455168	7067718	809	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760145	455108	7067731	821	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760146	455043	7067733	836	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760147	454990	7067748	841	7/21/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760148	454967	7067627	830	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760149	455026	7067615	813	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760150					Trail-Minto	Tyrell Sutherland	blank
1760151	455087	7067609	820	7/21/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760152	455155	7067593	800	7/21/2016	Trail-Minto	Tyrell Sutherland	tan

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760153	455206	7067591	791	7/21/2016	Trail-Minto	Tyrell Sutherland	tan
1760154	455268	7067584	778	7/21/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760155	455321	7067553	771	7/21/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760156	453382	7070495	1153	7/22/2016	Trail-Minto	Tyrell Sutherland	dark brown
1760157	453437	7070484	1163	7/22/2016	Trail-Minto	Tyrell Sutherland	tan
1760158	453495	7070478	1154	7/22/2016	Trail-Minto	Tyrell Sutherland	brown
1760159	453552	7070467	1151	7/22/2016	Trail-Minto	Tyrell Sutherland	brown
1760160	453565	7070342	1155	7/22/2016	Trail-Minto	Tyrell Sutherland	tan
1760161	453507	7070352	1163	7/22/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760162	453448	7070360	1169	7/22/2016	Trail-Minto	Tyrell Sutherland	brown
1760163	453385	7070377	1163	7/22/2016	Trail-Minto	Tyrell Sutherland	brown
1760164	453343	7070263	1175	7/22/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760165	453402	7070255	1166	7/22/2016	Trail-Minto	Tyrell Sutherland	red brown
1760166	453402	7070255	1166	7/22/2016	Trail-Minto	Tyrell Sutherland	Duplicate of 1760165
1760167	453458	7070236	1158	7/22/2016	Trail-Minto	Tyrell Sutherland	light brown
1760168	453512	7070229	1155	7/22/2016	Trail-Minto	Tyrell Sutherland	brown
1760169	453579	7070223	1149	7/22/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760170	453640	7070211	1154	7/22/2016	Trail-Minto	Tyrell Sutherland	light brown
1760171	453186	7067898	1053	7/24/2016	Trail-Minto	Tyrell Sutherland	light orange
1760172	453248	7067898	1056	7/24/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760173	453306	7067888	1040	7/24/2016	Trail-Minto	Tyrell Sutherland	brown
1760174	453366	7067882	1036	7/24/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760175					Trail-Minto	Tyrell Sutherland	Standard CM-36
1760176	453426	7067870	1028	7/24/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760177	453487	7067863	1012	7/24/2016	Trail-Minto	Tyrell Sutherland	grey
1760178	453549	7067852	1014	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760179	453605	7067843	1011	7/24/2016	Trail-Minto	Tyrell Sutherland	red brown
1760180	453665	7067834	1003	7/24/2016	Trail-Minto	Tyrell Sutherland	yellow brown
1760181	453725	7067824	995	7/24/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760182	453782	7067816	994	7/24/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760183	453840	7067804	986	7/24/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760184	453900	7067800	978	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760185	453959	7067789	976	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760186	454030	7067765	975	7/24/2016	Trail-Minto	Tyrell Sutherland	black
1760187	454080	7067768	974	7/24/2016	Trail-Minto	Tyrell Sutherland	brown
1760188	454140	7067758	962	7/24/2016	Trail-Minto	Tyrell Sutherland	red brown
1760189	454196	7067751	959	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760190	454258	7067741	949	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760191	454317	7067734	944	7/24/2016	Trail-Minto	Tyrell Sutherland	brown
1760192	454372	7067720	932	7/24/2016	Trail-Minto	Tyrell Sutherland	brown
1760193	454434	7067714	923	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760194	454500	7067697	911	7/24/2016	Trail-Minto	Tyrell Sutherland	grey
1760195	454561	7067697	895	7/24/2016	Trail-Minto	Tyrell Sutherland	black
1760196	454616	7067687	887	7/24/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760197	454684	7067672	884	7/24/2016	Trail-Minto	Tyrell Sutherland	light grey
1760198	454732	7067666	870	7/24/2016	Trail-Minto	Tyrell Sutherland	grey
1760199	454732	7067666	870	7/24/2016	Trail-Minto	Tyrell Sutherland	Duplicate of 1760198
1760200					Trail-Minto	Tyrell Sutherland	Blank
1760201	454789	7067655	864	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760202	454856	7067643	853	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760203	454910	7067644	841	7/24/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760204					Trail-Minto	Tyrell Sutherland	Standard BL-10
1760205	454780	7066810	712	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760206	454837	7066800	708	7/25/2016	Trail-Minto	Tyrell Sutherland	tan
1760207	454902	7066787	701	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760208	454959	7066778	682	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760209	455015	7066775	696	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760210	455078	7066765	686	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760211	455138	7066757	686	7/25/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760212	455158	7066872	699	7/25/2016	Trail-Minto	Tyrell Sutherland	red brown
1760213	455091	7066882	692	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760214	455037	7066893	710	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760215	454975	7066898	712	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760216	454923	7066909	725	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760217	454861	7066915	730	7/25/2016	Trail-Minto	Tyrell Sutherland	brown

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760218	454768	7066691	690	7/25/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760219	454818	7066680	683	7/25/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760220	454881	7066669	680	7/25/2016	Trail-Minto	Tyrell Sutherland	grey
1760221	454939	7066662	676	7/25/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760222	454997	7066653	668	7/25/2016	Trail-Minto	Tyrell Sutherland	grey
1760223	455058	7066648	671	7/25/2016	Trail-Minto	Tyrell Sutherland	grey
1760224	455120	7066639	670	7/25/2016	Trail-Minto	Tyrell Sutherland	black
1760225					Trail-Minto	Tyrell Sutherland	Standard BL-10
1760226	455097	7066513	660	7/25/2016	Trail-Minto	Tyrell Sutherland	brown
1760227	455040	7066527	658	7/25/2016	Trail-Minto	Tyrell Sutherland	grey
1760228	454981	7066532	662	7/25/2016	Trail-Minto	Tyrell Sutherland	grey
1760229	454923	7066543	660	7/25/2016	Trail-Minto	Tyrell Sutherland	grey
1760230	454862	7066553	659	7/25/2016	Trail-Minto	Tyrell Sutherland	light grey
1760231	501430	7077100	1608	7/26/2016	Carlin	Tyrell Sutherland	dark brown
1760232	501379	7077214	1615	7/26/2016	Carlin	Tyrell Sutherland	brown
1760233	501379	7077214	1615	7/26/2016	Carlin	Tyrell Sutherland	duplicate of 1760232
1760234	501427	7077239	1598	7/26/2016	Carlin	Tyrell Sutherland	brown
1760235	501485	7077262	1577	7/26/2016	Carlin	Tyrell Sutherland	brown
1760236	501539	7077290	1558	7/26/2016	Carlin	Tyrell Sutherland	brown
1760237	501593	7077318	1549	7/26/2016	Carlin	Tyrell Sutherland	brown
1760238	501647	7077341	1538	7/26/2016	Carlin	Tyrell Sutherland	brown
1760239	501698	7077374	1522	7/26/2016	Carlin	Tyrell Sutherland	light brown
1760240	501750	7077400	1512	7/26/2016	Carlin	Tyrell Sutherland	brown
1760241	501800	7077425	1501	7/26/2016	Carlin	Tyrell Sutherland	brown
1760242	501857	7077455	1487	7/26/2016	Carlin	Tyrell Sutherland	brown
1760243	501911	7077482	1477	7/26/2016	Carlin	Tyrell Sutherland	tan
1760244	501967	7077512	1471	7/26/2016	Carlin	Tyrell Sutherland	brown
1760245	502017	7077537	1459	7/26/2016	Carlin	Tyrell Sutherland	brown
1760246	502071	7077431	1443	7/26/2016	Carlin	Tyrell Sutherland	brown
1760247	502015	7077404	1452	7/26/2016	Carlin	Tyrell Sutherland	brown
1760248	501968	7077373	1461	7/26/2016	Carlin	Tyrell Sutherland	brown
1760249	501911	7077348	1470	7/26/2016	Carlin	Tyrell Sutherland	light brown
1760250					Carlin	Tyrell Sutherland	Blank
1760251	501854	7077323	1487	7/26/2016	Carlin	Tyrell Sutherland	light brown
1760252	501804	7077296	1496	7/26/2016	Carlin	Tyrell Sutherland	light grey brown
1760253	501749	7077265	1504	7/26/2016	Carlin	Tyrell Sutherland	dark brown
1760254	501697	7077240	1521	7/26/2016	Carlin	Tyrell Sutherland	brown
1760255	501647	7077213	1541	7/26/2016	Carlin	Tyrell Sutherland	blue grey
1760256	501591	7077186	1557	7/26/2016	Carlin	Tyrell Sutherland	brown
1760257	501539	7077158	1567	7/26/2016	Carlin	Tyrell Sutherland	dark brown
1760258	501478	7077130	1593	7/26/2016	Carlin	Tyrell Sutherland	brown
1760259	501487	7076987	1584	7/26/2016	Carlin	Tyrell Sutherland	red brown
1760260	501541	7077026	1560	7/26/2016	Carlin	Tyrell Sutherland	grey-brown
1760261	501597	7077051	1549	7/26/2016	Carlin	Tyrell Sutherland	brown
1760262	501645	7077079	1539	7/26/2016	Carlin	Tyrell Sutherland	grey-brown
1760263	501705	7077106	1519	7/26/2016	Carlin	Tyrell Sutherland	brown
1760264	501754	7077133	1504	7/26/2016	Carlin	Tyrell Sutherland	grey-brown
1760265	501810	7077163	1488	7/26/2016	Carlin	Tyrell Sutherland	grey-brown
1760266	501810	7077163	1488	7/26/2016	Carlin	Tyrell Sutherland	duplicate of 1760265
1760267	501861	7077189	1470	7/26/2016	Carlin	Tyrell Sutherland	grey-brown
1760268	501914	7077209	1463	7/26/2016	Carlin	Tyrell Sutherland	grey-brown
1760269	501968	7077248	1462	7/26/2016	Carlin	Tyrell Sutherland	brown
1760270	502023	7077268	1450	7/26/2016	Carlin	Tyrell Sutherland	brown
1760271	502076	7077294	1432	7/27/2016	Carlin	Tyrell Sutherland	light brown
1760272	502126	7077324	1430	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760273	501812	7076622	1467	7/27/2016	Carlin	Tyrell Sutherland	brown
1760274	501865	7076647	1452	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760275					Carlin	Tyrell Sutherland	Standard CM-36
1760276	501921	7076676	1442	7/27/2016	Carlin	Tyrell Sutherland	light brown
1760277	501971	7076708	1432	7/27/2016	Carlin	Tyrell Sutherland	brown
1760278	502027	7076735	1426	7/27/2016	Carlin	Tyrell Sutherland	brown
1760279	502080	7076763	1417	7/27/2016	Carlin	Tyrell Sutherland	brown
1760280	502139	7076783	1416	7/27/2016	Carlin	Tyrell Sutherland	red brown
1760281	502192	7076810	1407	7/27/2016	Carlin	Tyrell Sutherland	light brown
1760282	502244	7076840	1401	7/27/2016	Carlin	Tyrell Sutherland	light brown

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760283	502290	7076871	1396	7/27/2016	Carlin	Tyrell Sutherland	light brown
1760284	502343	7076895	1384	7/27/2016	Carlin	Tyrell Sutherland	brown
1760285	502298	7077007	1393	7/27/2016	Carlin	Tyrell Sutherland	brown
1760286	502238	7077106	1405	7/27/2016	Carlin	Tyrell Sutherland	orange brown
1760287	502183	7077216	1409	7/27/2016	Carlin	Tyrell Sutherland	brown
1760288	502129	7077187	1429	7/27/2016	Carlin	Tyrell Sutherland	brown
1760289	502074	7077161	1437	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760290	502128	7077054	1422	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760291	502185	7077080	1421	7/27/2016	Carlin	Tyrell Sutherland	orange brown
1760292	502243	7076973	1402	7/27/2016	Carlin	Tyrell Sutherland	red brown
1760293	502177	7076945	1414	7/27/2016	Carlin	Tyrell Sutherland	red brown
1760294	502301	7076731	1380	7/27/2016	Carlin	Tyrell Sutherland	brown
1760295	502239	7076702	1385	7/27/2016	Carlin	Tyrell Sutherland	red tan
1760296	502188	7076682	1406	7/27/2016	Carlin	Tyrell Sutherland	brown
1760297	502135	7076658	1407	7/27/2016	Carlin	Tyrell Sutherland	brown
1760298	502078	7076630	1410	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760299	502078	7076630	1410	7/27/2016	Carlin	Tyrell Sutherland	duplicate of 1760298
1760300					Carlin	Tyrell Sutherland	Blank
1760401	502024	7076596	1421	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760402	501971	7076570	1420	7/27/2016	Carlin	Tyrell Sutherland	grey-brown
1760403	501917	7076542	1437	7/27/2016	Carlin	Tyrell Sutherland	brown
1760404	501867	7076515	1447	7/27/2016	Carlin	Tyrell Sutherland	brown
1760405	501811	7076489	1453	7/27/2016	Carlin	Tyrell Sutherland	brown
1760406	501760	7076470	1459	7/27/2016	Carlin	Tyrell Sutherland	tan
1760407	501763	7076596	1467	7/27/2016	Carlin	Tyrell Sutherland	light brown
1760408	501706	7076570	1476	7/27/2016	Carlin	Tyrell Sutherland	brown
1760412	452421	7067737	922	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760413	452364	7067743	916	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760414	452307	7067748	910	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760415	452247	7067756	902	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760416	452268	7067880	904	7/28/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760417	452323	7067867	917	7/28/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760418	452383	7067858	926	7/28/2016	Trail-Minto	Tyrell Sutherland	yellow brown
1760419	452444	7067848	928	7/28/2016	Trail-Minto	Tyrell Sutherland	tan
1760420	452507	7067842	931	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760421	452522	7067959	967	7/28/2016	Trail-Minto	Tyrell Sutherland	tan
1760422	452579	7067946	969	7/28/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760423	452643	7067938	975	7/28/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760424	452701	7067923	972	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760425					Trail-Minto	Tyrell Sutherland	Standard BL-10
1760426	452759	7067923	971	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760427	452826	7067876	968	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760428	452877	7067907	968	7/28/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760429	452944	7067896	983	7/28/2016	Trail-Minto	Tyrell Sutherland	black
1760430	452994	7067882	984	7/28/2016	Trail-Minto	Tyrell Sutherland	light brown
1760431	453057	7067873	1014	7/28/2016	Trail-Minto	Tyrell Sutherland	yellow brown
1760432	453106	7067864	1033	7/28/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760433	453106	7067864	1033	7/28/2016	Trail-Minto	Tyrell Sutherland	duplicate of 1760432
1760434	453172	7067855	1044	7/28/2016	Trail-Minto	Tyrell Sutherland	brown
1760435	453090	7067745	1024	7/28/2016	Trail-Minto	Tyrell Sutherland	brown
1760436	453033	7067758	1022	7/28/2016	Trail-Minto	Tyrell Sutherland	orange
1760437	452980	7067764	1003	7/28/2016	Trail-Minto	Tyrell Sutherland	orange brown
1760438	452912	7067780	991	7/28/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760439	452859	7067785	980	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760440	452795	7067793	977	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760441	452734	7067800	968	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760442	452681	7067812	952	7/28/2016	Trail-Minto	Tyrell Sutherland	brown
1760443	452619	7067823	949	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760444	452549	7067823	961	7/28/2016	Trail-Minto	Tyrell Sutherland	dark
1760445	452482	7067721	931	7/28/2016	Trail-Minto	Tyrell Sutherland	brown
1760446	452552	7067714	937	7/28/2016	Trail-Minto	Tyrell Sutherland	brown
1760447	452603	7067704	943	7/28/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760448	452663	7067694	954	7/28/2016	Trail-Minto	Tyrell Sutherland	dark grey
1760449	452721	7067687	961	7/28/2016	Trail-Minto	Tyrell Sutherland	light brown
1760450					Trail-Minto	Tyrell Sutherland	Blank

Sample Number	Easting	Northing	Elevation	Date	Claim Group	Sampler	Colour
1760451	452782	7067675	970	7/28/2016	Trail-Minto	Tyrell Sutherland	light brown
1760452	455216	7068805	907	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760453	455157	7068809	905	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760454	455276	7068796	898	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760455	455336	7068788	897	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760456	455396	7068780	897	7/29/2016	Trail-Minto	Tyrell Sutherland	grey
1760457	455452	7068767	880	7/29/2016	Trail-Minto	Tyrell Sutherland	tan
1760458	455513	7068758	873	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760459	455494	7068639	859	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760460	455437	7068645	869	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760461	455378	7068655	874	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760462	455321	7068672	890	7/29/2016	Trail-Minto	Tyrell Sutherland	yellow brown
1760463	455258	7068677	872	7/29/2016	Trail-Minto	Tyrell Sutherland	tan
1760464	455195	7068681	877	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760465	455139	7068692	869	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760466	455139	7068692	869	7/29/2016	Trail-Minto	Tyrell Sutherland	duplicate of 1760465
1760467	455081	7068701	875	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760468	455018	7068707	894	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760469	454968	7068720	902	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760470	454904	7068735	906	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760471	454842	7068747	926	7/29/2016	Trail-Minto	Tyrell Sutherland	light brown
1760472	454784	7068755	935	7/29/2016	Trail-Minto	Tyrell Sutherland	light brown
1760473	454722	7068759	939	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760474	454663	7068768	941	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760475					Trail-Minto	Tyrell Sutherland	Standard CM-36
1760476	455120	7068581	879	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760477	455179	7068565	869	7/29/2016	Trail-Minto	Tyrell Sutherland	grey
1760478	455237	7068558	858	7/29/2016	Trail-Minto	Tyrell Sutherland	grey
1760479	455298	7068547	855	7/29/2016	Trail-Minto	Tyrell Sutherland	brown
1760480	455357	7068544	854	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760481	455413	7068535	869	7/29/2016	Trail-Minto	Tyrell Sutherland	grey-brown
1760482	455482	7068519	860	7/29/2016	Trail-Minto	Tyrell Sutherland	brown

Appendix C: Assay Certificates



**BUREAU
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Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client:

Mayo Lake Minerals Inc.

107 Falldown Lane

Carp Ontario K0A 1L0 Canada

Submitted By: Tyrell Sutherland

Receiving Lab: Canada-Whitehorse

Received: August 02, 2016

Report Date: September 12, 2016

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CERTIFICATE OF ANALYSIS

WHI16000145.1

CLIENT JOB INFORMATION

Project: Carlin

Shipment ID:

P.O. Number

Number of Samples: 142

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days

DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Mayo Lake Minerals Inc.
107 Falldown Lane
Carp Ontario K0A 1L0
Canada

CC: Vern Rampton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	142	Dry at 60C			WHI
SS80	140	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	142	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	142	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.

*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



BUREAU MINERAL LABORATORIES
VERITAS Canada

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9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

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Client: Mayo Lake Minerals Inc.
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: September 12, 2016

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000145.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1760231	Soil	2.3	14.0	12.8	48	<0.1	11.2	3.8	153	2.17	10.3	1.6	0.2	6	0.2	1.0	0.3	69	0.04	0.039	12
1760232	Soil	1.4	31.8	10.6	69	0.1	21.8	9.5	331	2.44	21.1	2.9	1.6	11	0.3	1.0	0.2	45	0.13	0.070	15
1760233	Soil	1.3	29.2	10.2	66	0.1	20.7	8.3	326	2.46	20.1	4.8	1.9	12	0.3	1.0	0.2	46	0.13	0.066	18
1760234	Soil	1.5	22.1	11.5	63	0.1	17.3	8.0	447	2.43	26.9	4.8	1.1	9	0.3	1.2	0.2	47	0.08	0.066	16
1760235	Soil	1.5	39.7	12.8	80	0.2	25.3	10.5	467	2.66	26.3	16.0	2.3	13	0.4	1.3	0.2	49	0.14	0.092	17
1760236	Soil	1.4	20.5	11.6	69	0.1	19.4	8.6	422	2.58	17.1	11.4	1.2	10	0.3	1.2	0.2	48	0.10	0.058	15
1760237	Soil	1.7	22.8	22.6	72	0.2	18.5	7.5	492	2.73	18.8	4.5	0.6	9	0.3	1.9	0.3	54	0.07	0.077	15
1760238	Soil	1.5	23.8	22.3	68	0.2	20.3	7.1	352	2.57	20.2	3.1	1.1	10	0.3	2.3	0.2	51	0.09	0.063	14
1760239	Soil	1.5	27.6	37.2	71	1.1	20.9	8.8	379	2.54	28.2	6.8	1.8	11	0.3	3.4	0.3	51	0.10	0.070	18
1760240	Soil	1.0	23.0	17.4	62	0.2	24.3	7.6	293	2.28	16.6	4.1	2.9	14	0.4	2.6	0.1	43	0.19	0.085	20
1760241	Soil	1.2	21.8	23.0	69	0.6	20.6	8.7	426	2.36	16.9	12.4	1.4	12	0.4	2.8	0.2	47	0.12	0.076	18
1760242	Soil	1.2	19.4	13.0	65	0.1	20.4	7.2	282	2.49	13.6	2.0	1.2	9	0.3	1.1	0.2	47	0.08	0.051	15
1760243	Soil	1.2	22.5	11.7	61	0.1	19.8	5.8	241	2.31	13.8	7.6	1.6	11	0.3	1.0	0.2	45	0.11	0.068	18
1760244	Soil	1.3	25.0	18.9	112	1.2	25.6	10.3	369	2.40	30.7	9.1	2.6	11	0.4	1.1	0.3	41	0.12	0.061	19
1760245	Soil	0.8	17.5	11.8	76	0.1	19.4	7.0	283	2.10	13.7	2.7	2.8	12	0.4	0.8	0.1	35	0.16	0.068	14
1760246	Soil	1.2	19.5	11.3	89	0.2	21.9	8.4	247	2.23	12.5	10.9	2.2	12	0.3	1.1	0.6	37	0.14	0.061	16
1760247	Soil	1.5	16.2	13.3	77	0.3	19.4	6.7	335	2.43	14.7	3.0	0.6	13	0.8	1.4	0.3	44	0.13	0.069	15
1760248	Soil	1.2	22.6	14.0	69	0.3	18.9	6.9	317	2.46	13.7	7.3	0.9	10	0.3	1.4	0.2	48	0.09	0.072	17
1760249	Soil	1.4	19.1	17.8	56	0.2	15.5	9.8	623	2.44	14.0	3.2	0.4	8	0.3	1.5	0.2	48	0.06	0.057	14
1760250	Sand	0.2	1.3	0.4	<1	<0.1	1.2	0.3	84	0.80	0.5	<0.5	2.5	1	0.3	<0.1	<0.1	<2	<0.01	0.002	7
1760251	Soil	0.9	24.6	15.0	69	1.6	22.6	6.8	274	2.04	15.0	5.6	2.1	11	0.5	1.4	0.1	38	0.12	0.066	17
1760252	Soil	1.5	31.8	287.6	95	22.8	24.7	9.2	376	2.58	36.5	6.1	2.6	13	0.5	3.1	0.2	47	0.13	0.075	19
1760253	Soil	1.8	20.3	23.3	66	0.2	20.5	8.2	329	2.49	14.5	3.4	1.0	10	0.3	1.4	0.2	50	0.08	0.053	15
1760254	Soil	1.6	23.6	67.5	76	0.5	21.2	8.6	394	2.64	33.9	58.1	1.3	12	0.4	3.8	0.3	46	0.13	0.100	16
1760255	Soil	1.4	25.1	11.7	60	0.2	17.9	7.0	295	2.16	21.6	10.7	2.6	8	0.2	2.0	0.3	37	0.08	0.057	16
1760256	Soil	1.2	18.1	11.9	74	<0.1	21.3	8.4	352	2.39	18.5	7.9	2.5	13	0.5	1.3	0.2	43	0.17	0.072	16
1760257	Soil	1.7	18.3	13.4	70	0.2	17.9	9.2	451	2.75	14.4	3.9	0.5	10	0.2	1.0	0.3	52	0.07	0.057	12
1760258	Soil	1.4	26.6	14.9	72	0.2	23.4	8.4	295	2.40	17.2	4.9	1.4	11	0.2	1.3	0.3	46	0.11	0.053	15
1760259	Soil	1.4	16.1	13.8	59	0.2	13.9	5.2	204	2.62	16.8	2.0	0.6	8	0.3	1.3	0.3	57	0.07	0.050	14
1760260	Soil	1.3	65.9	16.7	125	0.4	42.6	16.3	501	3.15	41.7	12.1	4.6	13	0.7	2.3	0.4	59	0.17	0.087	23



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Project: Carlin
Report Date: September 12, 2016

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CERTIFICATE OF ANALYSIS

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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760231	Soil	19	0.11	61	0.026	1	0.91	0.004	0.03	0.1	0.03	0.7	0.2	<0.05	7	0.6	<0.2
1760232	Soil	24	0.36	82	0.035	1	1.31	0.006	0.04	0.2	0.03	2.1	0.1	<0.05	4	0.5	<0.2
1760233	Soil	24	0.37	81	0.038	2	1.35	0.005	0.04	0.2	0.04	2.3	0.1	<0.05	4	<0.5	<0.2
1760234	Soil	27	0.32	61	0.035	2	1.17	0.005	0.04	0.2	0.04	1.6	<0.1	<0.05	4	<0.5	<0.2
1760235	Soil	27	0.44	78	0.041	3	1.35	0.006	0.04	0.2	0.04	2.8	<0.1	<0.05	4	<0.5	<0.2
1760236	Soil	26	0.33	72	0.037	1	1.38	0.005	0.03	0.4	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1760237	Soil	29	0.38	86	0.033	2	1.58	0.006	0.05	0.2	0.05	1.9	0.2	<0.05	6	<0.5	<0.2
1760238	Soil	29	0.39	102	0.036	1	1.50	0.006	0.05	0.2	0.04	2.0	0.1	<0.05	5	<0.5	<0.2
1760239	Soil	30	0.41	129	0.037	1	1.55	0.007	0.05	0.3	0.04	2.5	0.1	<0.05	5	<0.5	<0.2
1760240	Soil	26	0.32	77	0.046	1	1.24	0.006	0.03	0.4	0.04	2.1	<0.1	<0.05	3	0.9	<0.2
1760241	Soil	26	0.32	101	0.037	1	1.16	0.007	0.04	0.3	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1760242	Soil	29	0.36	93	0.036	<1	1.50	0.005	0.03	0.2	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1760243	Soil	27	0.35	79	0.038	2	1.41	0.005	0.04	0.3	0.04	2.1	0.1	<0.05	4	<0.5	<0.2
1760244	Soil	33	0.38	135	0.034	1	1.47	0.006	0.04	0.2	0.05	2.5	0.1	<0.05	4	<0.5	<0.2
1760245	Soil	21	0.31	68	0.042	<1	1.10	0.005	0.03	0.2	0.03	2.0	<0.1	<0.05	3	0.6	<0.2
1760246	Soil	24	0.31	106	0.036	<1	1.05	0.006	0.03	0.2	0.03	1.9	<0.1	<0.05	3	0.8	<0.2
1760247	Soil	27	0.32	136	0.028	<1	1.40	0.004	0.04	0.2	0.04	1.5	0.1	<0.05	5	<0.5	<0.2
1760248	Soil	28	0.36	90	0.033	1	1.58	0.005	0.04	0.2	0.04	1.9	0.1	<0.05	4	<0.5	<0.2
1760249	Soil	26	0.28	75	0.026	<1	1.24	0.005	0.03	0.2	0.04	1.0	0.1	<0.05	4	<0.5	<0.2
1760250	Sand	5	<0.01	3	0.002	<1	0.07	0.002	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
1760251	Soil	23	0.33	88	0.039	<1	1.13	0.005	0.03	0.2	0.05	2.5	<0.1	<0.05	3	<0.5	<0.2
1760252	Soil	28	0.38	89	0.041	1	1.45	0.006	0.04	0.3	0.06	2.7	0.1	<0.05	4	0.5	<0.2
1760253	Soil	32	0.37	142	0.034	<1	1.47	0.005	0.04	0.2	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
1760254	Soil	28	0.37	96	0.031	1	1.34	0.007	0.04	0.2	0.07	1.8	0.1	<0.05	4	<0.5	<0.2
1760255	Soil	23	0.29	75	0.034	<1	1.02	0.005	0.03	0.2	0.03	1.9	<0.1	<0.05	3	0.7	<0.2
1760256	Soil	25	0.35	75	0.045	<1	1.29	0.006	0.04	0.4	0.03	2.0	<0.1	<0.05	4	<0.5	<0.2
1760257	Soil	31	0.44	86	0.035	2	1.78	0.007	0.04	0.2	0.04	1.8	0.2	<0.05	6	0.5	<0.2
1760258	Soil	27	0.40	78	0.039	1	1.42	0.008	0.04	0.3	0.04	2.3	0.1	<0.05	4	0.7	<0.2
1760259	Soil	25	0.23	76	0.033	<1	1.19	0.004	0.03	0.3	0.08	1.4	0.1	<0.05	5	<0.5	<0.2
1760260	Soil	24	0.47	150	0.053	1	1.37	0.006	0.05	0.3	0.03	4.7	0.1	<0.05	4	<0.5	<0.2



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	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1760261	Soil	1.3	24.0	12.1	56	<0.1	17.9	8.0	321	2.81	15.1	6.7	1.0	9	0.2	1.2	0.2	54	0.09	0.047	15
1760262	Soil	1.1	29.5	12.5	62	0.1	25.7	8.2	321	2.38	16.5	7.7	3.3	13	0.5	1.6	0.2	45	0.18	0.068	21
1760263	Soil	1.4	16.4	12.1	51	<0.1	13.8	6.7	392	2.73	15.1	6.2	1.5	8	0.2	1.4	0.3	65	0.06	0.042	18
1760264	Soil	1.5	28.4	15.6	76	0.3	21.2	8.0	345	2.68	33.8	8.4	2.2	12	0.4	2.9	0.3	45	0.12	0.082	18
1760265	Soil	1.1	29.1	12.9	72	0.3	22.3	7.7	360	2.56	34.0	32.0	4.2	13	0.4	2.2	0.2	42	0.15	0.092	18
1760266	Soil	1.3	28.8	12.9	70	0.3	22.1	7.9	358	2.44	32.8	11.9	4.4	13	0.3	2.3	0.2	42	0.15	0.095	18
1760267	Soil	1.8	28.0	33.9	78	0.6	21.2	9.3	376	2.91	26.3	3.9	1.3	11	0.4	3.4	0.3	52	0.10	0.093	17
1760268	Soil	1.2	45.7	28.0	121	5.6	24.7	8.7	257	2.58	40.5	7.3	7.1	14	1.0	2.9	0.2	36	0.16	0.096	20
1760269	Soil	1.5	28.4	40.3	102	4.0	21.8	6.9	234	2.40	29.8	7.2	2.8	12	0.5	4.5	0.2	44	0.17	0.077	18
1760270	Soil	1.6	30.8	33.6	111	1.7	22.5	7.3	260	4.10	29.1	5.1	3.2	10	0.4	4.1	0.2	45	0.11	0.061	15
1760271	Soil	1.3	19.4	12.9	81	0.2	21.6	8.9	310	2.59	14.8	3.4	2.0	11	0.2	1.3	0.2	47	0.14	0.063	17
1760272	Soil	1.6	20.8	15.2	165	0.2	35.0	13.0	438	2.84	16.7	2.4	2.1	14	0.3	1.5	0.2	51	0.16	0.064	18
1760273	Soil	2.3	17.2	17.0	81	0.2	18.9	10.6	627	3.16	26.3	1.6	1.0	10	0.4	1.7	0.3	70	0.08	0.053	13
1760274	Soil	1.5	33.6	21.2	67	0.3	25.0	9.5	315	2.74	28.8	7.6	3.9	12	0.3	2.9	0.3	50	0.14	0.065	17
1760275	Rock Pulp	18.8	2273.8	60.4	644	2.0	13.4	11.9	853	4.57	27.9	287.7	2.9	57	4.1	1.3	0.9	29	0.68	0.064	4
1760276	Soil	1.5	19.4	14.3	62	0.1	17.5	6.7	237	2.50	20.8	3.2	1.4	10	0.2	1.9	0.2	57	0.11	0.054	16
1760277	Soil	1.5	21.5	15.4	70	<0.1	20.0	8.5	325	2.54	19.9	8.8	1.5	10	0.3	1.3	0.2	51	0.11	0.065	16
1760278	Soil	1.7	18.6	15.6	78	0.1	19.9	10.5	451	3.03	20.4	1.2	1.3	10	0.3	1.1	0.2	59	0.09	0.049	13
1760279	Soil	1.4	28.5	14.2	72	0.2	24.4	9.6	335	2.64	17.0	4.8	2.0	12	0.3	1.1	0.2	55	0.13	0.074	17
1760280	Soil	2.2	19.0	13.0	87	0.1	19.4	11.6	546	3.38	17.7	2.4	1.3	10	0.6	1.1	0.3	68	0.07	0.047	15
1760281	Soil	0.9	18.8	8.6	68	<0.1	18.2	6.5	209	2.01	13.1	10.2	2.8	11	0.3	1.1	0.2	43	0.16	0.067	16
1760282	Soil	1.3	18.2	10.7	66	<0.1	19.3	6.9	208	2.49	15.0	3.7	1.7	10	0.3	0.9	0.2	49	0.11	0.053	15
1760283	Soil	1.1	14.6	9.2	63	<0.1	16.3	8.5	319	2.14	12.1	6.1	3.5	10	0.3	1.1	0.2	41	0.13	0.050	17
1760284	Soil	2.2	20.1	13.2	190	0.2	25.0	10.9	456	3.22	17.7	1.4	1.8	12	1.0	1.2	0.3	67	0.09	0.060	17
1760285	Soil	1.7	22.1	45.9	183	2.1	26.1	10.5	436	2.98	57.0	3.9	1.3	11	1.0	2.3	0.3	58	0.09	0.046	18
1760286	Soil	1.3	17.6	11.4	108	0.3	20.4	7.1	298	2.72	15.2	3.7	1.2	10	1.2	1.1	0.2	49	0.10	0.045	15
1760287	Soil	1.5	16.9	25.5	94	0.9	17.9	7.8	341	2.67	20.6	2.6	0.6	11	0.4	2.5	0.2	48	0.10	0.069	17
1760288	Soil	1.1	24.1	13.0	94	0.6	20.8	4.9	150	2.14	14.2	1.9	2.3	13	0.6	1.3	0.2	41	0.18	0.072	16
1760289	Soil	1.2	38.4	15.1	107	0.8	19.6	6.7	232	2.11	18.2	3.4	3.7	13	0.8	2.1	0.2	40	0.17	0.081	17
1760290	Soil	1.0	28.6	11.3	73	0.2	23.0	7.0	165	2.09	12.2	4.8	3.2	12	0.4	1.6	0.2	41	0.17	0.075	19



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760261	Soil	26	0.35	93	0.042	<1	1.44	0.004	0.03	0.2	0.05	1.7	0.1	<0.05	5	0.5	<0.2
1760262	Soil	25	0.35	157	0.047	<1	1.09	0.006	0.03	0.4	0.03	3.1	<0.1	<0.05	3	<0.5	<0.2
1760263	Soil	26	0.21	75	0.076	1	0.89	0.004	0.03	0.4	0.02	1.8	<0.1	<0.05	5	<0.5	<0.2
1760264	Soil	28	0.40	112	0.037	1	1.42	0.006	0.04	0.3	0.05	2.7	0.1	<0.05	5	<0.5	<0.2
1760265	Soil	24	0.33	88	0.041	<1	1.11	0.005	0.04	0.3	0.05	2.7	<0.1	<0.05	3	<0.5	<0.2
1760266	Soil	24	0.31	86	0.042	<1	1.09	0.005	0.04	0.3	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1760267	Soil	32	0.42	115	0.027	2	1.63	0.006	0.05	0.3	0.06	2.3	0.1	<0.05	5	0.9	<0.2
1760268	Soil	24	0.33	74	0.035	2	1.23	0.005	0.03	0.2	0.06	3.3	<0.1	<0.05	3	<0.5	<0.2
1760269	Soil	29	0.33	99	0.036	3	1.45	0.005	0.04	0.3	0.06	2.8	<0.1	<0.05	4	1.0	<0.2
1760270	Soil	29	0.35	112	0.038	2	1.45	0.005	0.04	0.2	0.04	2.4	<0.1	<0.05	4	2.8	<0.2
1760271	Soil	28	0.41	113	0.033	2	1.57	0.005	0.04	0.2	0.04	2.4	<0.1	<0.05	4	0.8	<0.2
1760272	Soil	33	0.44	187	0.028	3	1.69	0.006	0.05	0.2	0.03	2.6	<0.1	<0.05	4	<0.5	<0.2
1760273	Soil	33	0.38	139	0.033	2	1.48	0.006	0.06	0.2	0.04	1.9	0.2	<0.05	7	<0.5	<0.2
1760274	Soil	31	0.45	143	0.037	3	1.77	0.007	0.05	0.2	0.04	3.0	0.1	<0.05	5	0.6	<0.2
1760275	Rock Pulp	20	0.53	62	0.030	6	1.72	0.064	0.35	2.8	0.03	2.5	0.4	2.58	5	3.7	0.6
1760276	Soil	30	0.38	132	0.033	2	1.57	0.005	0.04	0.2	0.05	2.3	0.1	<0.05	5	0.8	<0.2
1760277	Soil	28	0.38	101	0.033	2	1.63	0.005	0.04	0.2	0.04	2.2	0.1	<0.05	5	<0.5	<0.2
1760278	Soil	33	0.47	187	0.030	2	1.65	0.006	0.05	0.2	0.03	2.3	0.1	<0.05	6	0.5	<0.2
1760279	Soil	30	0.42	160	0.034	2	1.80	0.006	0.05	0.2	0.05	2.7	0.1	<0.05	5	0.7	<0.2
1760280	Soil	35	0.43	160	0.038	2	1.68	0.008	0.06	0.2	0.04	2.3	0.1	<0.05	7	0.7	<0.2
1760281	Soil	25	0.31	69	0.043	1	1.24	0.005	0.03	0.2	0.04	2.0	<0.1	<0.05	3	<0.5	<0.2
1760282	Soil	28	0.39	87	0.037	2	1.66	0.006	0.04	0.2	0.05	2.4	<0.1	<0.05	4	0.7	<0.2
1760283	Soil	24	0.28	63	0.049	5	1.02	0.005	0.03	0.2	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
1760284	Soil	34	0.50	204	0.028	2	1.95	0.006	0.06	0.2	0.04	2.7	0.1	<0.05	6	0.8	<0.2
1760285	Soil	31	0.45	179	0.028	1	1.79	0.005	0.05	0.2	0.06	2.1	0.2	<0.05	5	0.7	<0.2
1760286	Soil	29	0.38	115	0.036	2	1.38	0.006	0.04	0.2	0.04	1.7	<0.1	<0.05	5	<0.5	<0.2
1760287	Soil	31	0.34	169	0.022	1	1.36	0.005	0.05	0.2	0.02	1.7	<0.1	<0.05	5	0.8	<0.2
1760288	Soil	28	0.36	123	0.037	1	1.43	0.006	0.04	0.2	0.04	2.3	<0.1	<0.05	4	0.6	<0.2
1760289	Soil	26	0.36	91	0.038	1	1.48	0.006	0.04	0.2	0.04	2.7	<0.1	<0.05	4	0.6	<0.2
1760290	Soil	24	0.32	72	0.041	1	1.30	0.005	0.04	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2



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					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1760291	Soil				1.2	13.9	8.6	79	<0.1	16.6	6.6	231	2.49	16.6	1.3	1.6	9	0.5	1.0	0.2	46	0.09	0.048	15
1760292	Soil				1.5	22.6	18.1	115	0.5	23.8	10.5	393	2.85	22.4	3.9	2.3	13	0.5	1.1	0.2	56	0.15	0.073	17
1760293	Soil				1.4	16.7	11.0	74	<0.1	17.9	6.2	248	2.40	12.8	2.4	1.5	10	0.3	1.0	0.2	49	0.12	0.057	15
1760294	Soil				1.1	21.6	10.9	68	0.2	26.7	9.4	346	2.41	15.3	3.3	3.7	14	0.3	0.9	0.2	50	0.18	0.068	16
1760295	Soil				1.2	18.7	9.6	66	0.2	17.9	6.3	221	2.18	12.3	4.1	1.8	11	0.3	1.3	0.2	45	0.14	0.061	15
1760296	Soil				1.2	17.4	12.2	67	<0.1	22.4	9.4	386	2.37	12.8	4.9	1.4	12	0.4	0.9	0.2	48	0.14	0.062	15
1760297	Soil				2.2	31.9	25.5	113	<0.1	31.1	14.1	591	4.03	44.9	6.5	2.8	11	0.4	1.9	0.4	66	0.09	0.068	15
1760298	Soil				1.5	32.7	17.3	65	0.2	21.0	7.9	282	2.37	27.9	6.0	4.7	11	0.4	2.2	0.3	44	0.13	0.070	20
1760299	Soil				1.4	31.1	18.0	67	0.2	21.4	7.5	277	2.48	28.9	6.0	4.2	12	0.3	2.2	0.3	47	0.15	0.076	20
1760300	Sand				0.2	1.3	0.4	<1	<0.1	1.3	0.3	72	0.77	0.8	<0.5	2.4	1	0.2	<0.1	<0.1	<2	<0.01	0.002	6
1760310	Soil				1.7	23.5	34.9	67	0.8	21.0	7.4	299	2.51	62.8	7.0	2.0	13	0.7	5.5	0.5	52	0.14	0.057	17
1760311	Soil				1.8	23.4	25.2	94	0.3	22.3	8.5	384	2.92	83.7	2.8	0.9	11	0.3	2.4	0.4	62	0.10	0.060	15
1760312	Soil				1.5	20.6	17.5	63	0.1	19.7	7.6	299	2.69	25.8	4.6	1.7	10	0.2	1.9	0.3	57	0.12	0.050	15
1760313	Soil				1.8	21.5	14.6	78	0.2	19.9	9.4	370	2.79	15.9	3.1	1.0	9	0.3	1.1	0.3	56	0.08	0.052	15
1760314	Soil				1.9	16.2	12.9	67	<0.1	17.0	7.2	367	2.72	13.6	6.3	0.6	9	0.4	1.0	0.3	61	0.08	0.050	13
1760315	Soil				2.3	57.4	15.4	58	1.4	17.7	6.9	231	4.70	24.6	3.6	2.2	7	0.1	2.0	0.3	60	0.06	0.060	12
1760316	Soil				2.1	17.4	11.2	73	0.2	17.4	7.9	338	3.44	14.3	2.8	0.7	9	0.3	1.0	0.3	72	0.08	0.056	12
1760317	Soil				1.9	18.3	11.8	74	0.1	16.8	9.7	585	3.13	13.4	2.0	0.8	8	0.3	1.0	0.2	65	0.06	0.055	12
1760318	Soil				2.1	17.3	11.9	58	0.2	13.8	5.1	264	2.31	14.5	4.4	0.3	8	0.2	1.3	0.3	63	0.06	0.058	12
1760319	Soil				1.4	15.8	11.1	65	0.1	18.3	5.9	228	2.46	14.6	2.5	1.4	9	0.3	1.0	0.3	50	0.10	0.046	16
1760320	Soil				1.5	19.8	11.8	60	0.2	15.4	6.5	295	3.07	12.2	7.7	0.7	8	0.3	1.1	0.2	54	0.06	0.052	13
1760321	Soil				1.0	20.9	11.5	58	0.2	18.0	6.2	221	2.05	10.7	5.7	1.8	10	0.2	1.1	0.2	46	0.13	0.060	15
1760322	Soil				1.5	28.8	12.2	75	0.7	21.8	8.7	331	2.48	14.3	2.9	2.2	11	0.6	1.3	0.2	49	0.12	0.064	15
1760323	Soil				1.2	16.2	11.4	46	<0.1	12.1	4.8	185	2.42	15.6	3.2	0.5	7	0.2	1.7	0.2	47	0.06	0.044	13
1760324	Soil				1.8	29.5	12.2	71	0.3	18.7	9.2	350	2.66	15.1	3.6	1.2	9	0.3	1.2	0.2	55	0.10	0.067	15
1760325	Rock Pulp				2.7	60.4	4.0	32	<0.1	6.5	7.9	285	2.39	0.9	2.7	2.3	52	<0.1	0.1	<0.1	102	0.69	0.065	6
1760326	Soil				2.8	22.1	16.1	60	0.2	14.0	6.4	334	2.76	24.7	2.7	0.4	10	0.3	2.1	0.3	65	0.07	0.065	11
1760327	Soil				1.3	26.5	11.9	57	0.1	17.5	7.5	297	2.35	17.0	4.1	1.3	9	0.2	1.5	0.2	51	0.09	0.051	15
1760328	Soil				1.5	22.4	11.3	61	0.2	17.5	9.0	480	2.36	16.5	3.8	0.7	9	0.3	1.3	0.2	50	0.08	0.059	14
1760329	Soil				1.4	20.6	13.0	62	0.1	17.1	7.2	302	2.29	21.0	6.3	0.4	8	0.2	1.6	0.2	50	0.06	0.056	14



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		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760291	Soil	27	0.31	64	0.043	1	1.21	0.005	0.04	0.2	0.05	1.7	0.1	<0.05	4	<0.5	<0.2
1760292	Soil	33	0.48	170	0.036	1	1.97	0.006	0.05	0.2	0.05	2.8	0.1	<0.05	5	1.2	<0.2
1760293	Soil	27	0.33	94	0.036	<1	1.48	0.005	0.04	0.2	0.04	2.0	0.1	<0.05	5	<0.5	<0.2
1760294	Soil	30	0.42	158	0.045	<1	1.55	0.007	0.04	0.2	0.03	2.8	<0.1	<0.05	4	0.7	<0.2
1760295	Soil	26	0.34	85	0.036	<1	1.42	0.005	0.04	0.2	0.04	2.0	<0.1	<0.05	4	<0.5	<0.2
1760296	Soil	29	0.40	123	0.035	1	1.58	0.006	0.04	0.2	0.04	1.9	<0.1	<0.05	4	<0.5	<0.2
1760297	Soil	40	0.48	187	0.040	1	2.38	0.006	0.07	0.3	0.04	2.9	0.2	<0.05	7	0.8	<0.2
1760298	Soil	27	0.38	150	0.045	<1	1.41	0.006	0.05	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
1760299	Soil	27	0.38	153	0.045	1	1.39	0.006	0.05	0.2	0.04	4.1	<0.1	<0.05	4	<0.5	<0.2
1760300	Sand	5	<0.01	3	0.002	<1	0.07	0.002	0.04	<0.1	<0.01	0.3	<0.1	<0.05	<1	<0.5	<0.2
1760310	Soil	33	0.38	146	0.041	1	1.56	0.007	0.04	0.2	0.06	2.4	0.1	<0.05	4	0.7	<0.2
1760311	Soil	37	0.42	176	0.027	2	1.84	0.006	0.05	0.2	0.04	2.2	0.2	<0.05	6	0.5	<0.2
1760312	Soil	31	0.37	103	0.039	3	1.36	0.005	0.04	0.3	0.05	2.0	0.1	0.06	4	0.6	<0.2
1760313	Soil	34	0.41	117	0.026	3	1.92	0.005	0.04	0.2	0.05	2.2	0.1	<0.05	5	0.9	<0.2
1760314	Soil	31	0.30	87	0.027	3	1.50	0.004	0.04	0.2	0.04	1.5	0.1	<0.05	6	0.6	<0.2
1760315	Soil	32	0.32	92	0.040	3	1.45	0.003	0.03	0.2	0.05	2.5	0.1	<0.05	5	4.8	<0.2
1760316	Soil	34	0.33	141	0.034	3	1.48	0.004	0.04	0.2	0.04	1.7	0.1	0.07	6	0.6	<0.2
1760317	Soil	33	0.40	116	0.029	2	1.47	0.005	0.05	0.2	0.03	1.8	0.1	0.06	6	0.6	<0.2
1760318	Soil	26	0.19	73	0.026	2	1.04	0.004	0.04	0.2	0.04	0.9	0.1	0.06	5	0.5	<0.2
1760319	Soil	29	0.32	81	0.037	2	1.22	0.004	0.04	0.2	0.05	1.5	0.1	<0.05	4	<0.5	<0.2
1760320	Soil	26	0.26	76	0.028	2	1.23	0.004	0.04	0.2	0.05	1.3	0.1	<0.05	5	<0.5	<0.2
1760321	Soil	25	0.29	75	0.036	2	1.27	0.004	0.04	0.2	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
1760322	Soil	28	0.39	97	0.033	1	1.53	0.005	0.04	0.2	0.05	2.5	0.1	<0.05	4	0.9	<0.2
1760323	Soil	24	0.23	54	0.020	1	0.99	0.003	0.03	0.1	0.02	0.8	<0.1	<0.05	4	<0.5	<0.2
1760324	Soil	30	0.41	108	0.028	2	1.73	0.005	0.04	0.2	0.06	2.4	0.1	<0.05	4	0.8	<0.2
1760325	Rock Pulp	15	0.55	109	0.076	1	1.11	0.129	0.18	4.4	<0.01	1.6	<0.1	<0.05	3	<0.5	<0.2
1760326	Soil	26	0.21	133	0.028	<1	1.16	0.005	0.05	0.2	0.03	1.2	0.1	0.06	6	<0.5	<0.2
1760327	Soil	25	0.34	96	0.030	1	1.29	0.004	0.04	0.2	0.04	2.0	0.1	<0.05	4	<0.5	<0.2
1760328	Soil	26	0.35	90	0.027	1	1.31	0.004	0.04	0.2	0.03	1.5	0.1	0.05	4	<0.5	<0.2
1760329	Soil	24	0.28	63	0.018	<1	1.15	0.004	0.04	0.2	0.03	1.0	<0.1	<0.05	4	<0.5	<0.2



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	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1760330	Soil	1.3	17.7	21.0	56	0.2	12.4	5.5	365	2.19	37.4	3.3	0.4	8	0.3	2.1	0.3	52	0.07	0.046	12
1760331	Soil	0.8	35.4	11.6	53	0.3	19.3	7.5	233	1.87	26.1	3.7	3.7	7	0.3	2.6	0.2	28	0.09	0.047	15
1760332	Soil	1.6	37.4	15.1	87	0.2	26.0	11.7	554	2.99	23.4	4.6	0.9	11	0.4	1.6	0.3	56	0.13	0.074	16
1760333	Soil	1.5	36.5	12.9	81	0.1	25.4	11.8	515	2.93	22.8	2.9	1.3	11	0.3	1.7	0.3	55	0.12	0.067	16
1760334	Soil	1.0	65.6	19.2	92	0.2	29.7	11.9	430	2.70	28.8	5.8	2.7	12	0.4	1.9	0.3	59	0.16	0.077	18
1760335	Soil	1.0	26.7	10.6	60	<0.1	18.8	7.7	313	2.38	16.0	5.7	1.7	9	0.3	1.4	0.2	52	0.09	0.051	14
1760336	Soil	1.0	21.5	9.2	54	<0.1	17.5	6.4	246	2.21	13.1	13.4	1.3	9	0.3	1.1	0.2	46	0.10	0.050	14
1760337	Soil	1.8	14.4	13.1	59	0.3	14.9	5.9	256	2.71	13.2	2.9	0.4	8	0.3	1.2	0.2	61	0.06	0.051	13
1760338	Soil	2.0	27.8	19.8	79	3.2	18.3	9.3	371	3.06	25.2	4.7	0.8	10	0.5	2.1	0.3	59	0.07	0.075	14
1760339	Soil	1.2	20.5	14.7	59	0.5	20.2	6.8	253	1.73	15.3	2.2	3.4	10	0.4	2.2	0.1	32	0.13	0.063	15
1760340	Soil	1.6	25.1	12.3	72	0.3	16.6	6.9	297	3.20	17.3	3.0	1.1	9	0.3	1.3	0.2	52	0.08	0.060	15
1760341	Soil	0.9	21.4	9.9	105	0.9	21.1	5.7	197	1.96	12.6	25.7	2.5	11	0.7	1.5	0.1	37	0.15	0.065	16
1760342	Soil	1.1	24.2	17.2	65	0.3	23.3	8.7	292	2.03	12.5	8.2	3.3	10	0.5	1.1	0.1	42	0.13	0.042	15
1760343	Soil	1.3	18.1	18.5	59	0.2	18.4	6.5	222	2.25	16.7	3.3	1.2	8	0.2	1.3	0.2	46	0.07	0.041	13
1760344	Soil	0.9	20.8	14.2	58	0.2	17.0	5.8	197	1.96	11.9	15.5	2.1	10	0.3	1.0	0.1	38	0.12	0.058	14
1760345	Soil	1.4	17.2	13.1	48	0.1	14.0	5.7	178	2.19	12.1	4.3	2.0	8	0.2	1.1	0.2	50	0.07	0.032	15
1760346	Soil	1.3	14.3	18.3	55	0.3	14.7	8.1	283	2.37	15.1	1.7	1.9	10	0.2	1.1	0.2	45	0.11	0.066	14
1760347	Soil	1.5	14.6	12.6	49	0.2	12.7	5.1	180	2.15	12.6	2.9	1.4	8	0.2	1.0	0.2	50	0.08	0.040	13
1760348	Soil	1.0	11.8	18.8	38	0.2	10.2	3.6	122	1.81	13.4	6.3	1.5	7	0.2	1.2	0.2	38	0.07	0.040	12
1760349	Soil	1.3	12.6	15.6	54	0.3	13.0	5.0	208	2.24	14.9	4.5	1.1	9	0.2	1.2	0.2	43	0.10	0.053	12
1760350	Sand	0.2	1.2	0.4	<1	<0.1	1.2	0.3	72	0.74	0.6	1.1	2.3	1	0.3	<0.1	<0.1	<2	<0.01	0.002	6
1760351	Soil	1.9	15.5	14.6	60	0.3	13.6	6.4	373	2.50	14.9	4.2	<0.1	9	0.2	1.2	0.3	58	0.06	0.094	10
1760352	Soil	2.1	15.0	16.0	67	0.1	12.7	7.7	599	2.13	17.9	13.7	0.3	9	0.3	1.4	0.3	58	0.06	0.057	13
1760353	Soil	1.9	22.7	18.7	86	0.2	21.3	7.2	319	3.38	34.0	2.3	1.0	9	0.4	1.9	0.5	62	0.05	0.055	13
1760354	Soil	1.3	11.5	11.7	61	0.1	13.6	5.5	211	2.68	16.4	15.3	1.5	9	0.3	1.2	0.2	51	0.08	0.034	13
1760355	Soil	1.3	11.8	14.4	49	0.2	12.4	4.4	196	2.20	15.6	11.8	1.2	8	0.3	1.6	0.2	48	0.07	0.029	13
1760356	Soil	2.0	15.1	14.3	80	0.1	16.3	8.6	434	2.78	16.0	3.2	0.4	11	0.7	1.1	0.2	60	0.09	0.064	14
1760357	Soil	1.1	11.3	14.4	44	0.4	12.0	3.9	113	1.97	15.7	4.8	1.1	8	0.2	1.5	0.2	42	0.07	0.029	13
1760358	Soil	1.4	17.6	14.5	63	0.2	17.0	8.9	348	2.51	14.0	2.9	1.1	10	0.4	1.0	0.2	47	0.10	0.061	13
1760359	Soil	2.3	12.5	13.0	53	0.2	11.2	4.0	176	2.19	13.1	3.0	0.4	9	0.1	1.0	0.3	72	0.05	0.039	13



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	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201			
					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760330	Soil	21	0.21	65	0.022	<1	0.93	0.003	0.03	0.2	0.04	0.9	0.1	<0.05	4	<0.5	<0.2			
1760331	Soil	17	0.21	59	0.024	1	0.75	0.004	0.03	0.2	0.02	2.0	<0.1	<0.05	2	<0.5	<0.2			
1760332	Soil	32	0.44	134	0.023	2	1.59	0.006	0.05	0.2	0.04	1.9	0.1	0.06	5	<0.5	<0.2			
1760333	Soil	29	0.43	129	0.027	2	1.53	0.005	0.04	0.2	0.05	2.0	0.1	<0.05	4	<0.5	<0.2			
1760334	Soil	24	0.43	147	0.036	<1	1.30	0.005	0.04	0.2	0.05	3.4	0.2	<0.05	4	<0.5	<0.2			
1760335	Soil	25	0.31	83	0.032	1	1.21	0.004	0.03	0.2	0.03	1.9	<0.1	<0.05	4	<0.5	<0.2			
1760336	Soil	25	0.29	86	0.033	<1	1.06	0.005	0.03	0.2	0.07	1.6	<0.1	<0.05	3	<0.5	<0.2			
1760337	Soil	30	0.26	77	0.018	<1	1.46	0.004	0.04	0.1	0.06	1.1	0.1	<0.05	5	0.8	<0.2			
1760338	Soil	34	0.34	122	0.036	2	1.71	0.005	0.06	0.2	0.07	2.2	0.2	0.07	6	1.6	<0.2			
1760339	Soil	19	0.23	64	0.031	<1	0.90	0.003	0.03	0.3	0.03	2.0	<0.1	<0.05	2	0.8	<0.2			
1760340	Soil	28	0.32	88	0.028	<1	1.48	0.008	0.05	0.3	0.04	1.9	0.1	<0.05	5	1.2	<0.2			
1760341	Soil	23	0.27	72	0.033	<1	1.21	0.005	0.03	0.2	0.04	2.1	<0.1	<0.05	3	0.6	<0.2			
1760342	Soil	22	0.29	103	0.038	1	1.08	0.005	0.03	0.3	0.09	2.4	<0.1	<0.05	3	<0.5	<0.2			
1760343	Soil	22	0.28	76	0.032	<1	1.21	0.005	0.04	0.2	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2			
1760344	Soil	22	0.29	68	0.032	1	1.10	0.004	0.03	0.3	0.05	2.0	<0.1	<0.05	3	<0.5	<0.2			
1760345	Soil	26	0.31	101	0.030	<1	1.46	0.005	0.03	0.2	0.04	2.5	0.2	<0.05	4	<0.5	<0.2			
1760346	Soil	25	0.38	103	0.027	<1	1.52	0.005	0.04	0.2	0.03	2.3	0.1	<0.05	5	<0.5	<0.2			
1760347	Soil	26	0.29	91	0.028	<1	1.47	0.005	0.04	0.2	0.04	2.3	0.1	<0.05	5	<0.5	<0.2			
1760348	Soil	20	0.22	50	0.035	<1	1.13	0.004	0.03	0.2	0.05	1.4	<0.1	<0.05	4	<0.5	<0.2			
1760349	Soil	25	0.31	86	0.025	1	1.28	0.005	0.04	0.2	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2			
1760350	Sand	5	<0.01	3	0.002	<1	0.06	0.003	0.04	<0.1	<0.01	0.2	<0.1	<0.05	<1	<0.5	<0.2			
1760351	Soil	25	0.28	128	0.010	<1	1.29	0.005	0.05	0.1	0.04	0.4	0.1	0.05	6	0.5	<0.2			
1760352	Soil	21	0.14	164	0.024	1	0.90	0.005	0.06	0.1	0.02	1.0	0.1	<0.05	5	<0.5	<0.2			
1760353	Soil	30	0.32	122	0.026	<1	1.79	0.005	0.05	0.2	0.05	1.8	0.3	<0.05	6	<0.5	<0.2			
1760354	Soil	27	0.34	150	0.038	<1	1.30	0.005	0.04	0.2	0.05	1.8	0.1	<0.05	5	<0.5	<0.2			
1760355	Soil	24	0.25	99	0.039	<1	1.01	0.004	0.03	0.2	0.04	1.5	0.1	<0.05	4	<0.5	<0.2			
1760356	Soil	28	0.34	285	0.020	<1	1.56	0.006	0.06	0.2	0.04	1.3	0.1	<0.05	6	<0.5	<0.2			
1760357	Soil	22	0.31	94	0.034	1	1.12	0.005	0.03	0.2	0.03	1.5	<0.1	<0.05	4	<0.5	<0.2			
1760358	Soil	28	0.38	135	0.024	<1	1.86	0.006	0.04	0.2	0.05	2.0	<0.1	<0.05	5	0.5	<0.2			
1760359	Soil	23	0.20	82	0.042	<1	1.29	0.006	0.05	0.2	0.04	1.3	0.2	<0.05	7	<0.5	<0.2			



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					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1760360	Soil		1.1	16.1	13.2	54	0.1	14.6	5.4	184	2.07	13.7	4.9	1.6	9	0.3	1.3	0.2	44	0.11	0.055	15		
1760361	Soil		1.8	16.7	18.6	65	0.1	16.4	7.3	347	3.19	19.2	4.7	1.6	9	0.4	1.3	0.2	55	0.08	0.048	14		
1760362	Soil		1.6	15.3	15.5	59	0.2	14.0	5.9	266	2.69	16.2	4.2	1.7	8	0.3	1.1	0.2	60	0.07	0.033	14		
1760363	Soil		1.8	16.5	14.5	66	0.2	11.4	5.2	180	2.99	11.5	1.6	0.9	7	0.6	1.0	0.3	71	0.05	0.033	13		
1760364	Soil		0.8	15.3	9.1	59	0.2	17.2	5.5	201	1.97	12.1	11.0	3.3	13	0.3	0.9	0.1	39	0.18	0.071	16		
1760365	Soil		1.9	13.5	14.0	65	0.2	12.0	6.9	514	2.67	17.1	2.2	0.3	8	0.2	1.3	0.3	63	0.05	0.050	13		
1760366	Soil		2.3	15.6	15.3	62	0.3	13.8	6.0	440	2.12	19.4	2.5	0.2	8	0.2	1.6	0.3	60	0.06	0.057	15		
1760367	Soil		1.2	16.0	15.0	57	0.2	16.3	6.3	218	2.47	17.7	3.3	2.2	10	0.3	1.8	0.2	48	0.12	0.051	17		
1760368	Soil		1.0	14.0	15.0	51	0.2	13.5	4.7	153	2.10	16.5	3.4	1.4	8	0.3	1.9	0.2	39	0.09	0.043	13		
1760369	Soil		2.0	15.7	15.7	52	0.1	12.1	5.3	253	3.29	21.6	3.7	0.6	8	0.3	1.6	0.3	72	0.06	0.046	15		
1760370	Soil		1.5	14.3	13.8	56	0.2	14.3	5.0	220	2.33	15.0	7.9	0.9	9	0.2	1.2	0.2	52	0.08	0.041	13		
1760371	Soil		1.7	13.0	14.1	57	0.4	12.3	4.7	203	2.35	16.3	2.3	1.3	8	0.4	1.3	0.2	67	0.05	0.027	14		
1760372	Soil		1.4	13.6	13.8	55	0.2	13.2	4.8	187	2.17	13.7	3.6	0.5	8	0.2	1.3	0.2	48	0.07	0.039	13		
1760373	Soil		1.6	20.9	28.8	70	0.3	17.0	9.7	475	2.64	23.3	3.1	0.9	8	0.3	1.7	0.2	54	0.06	0.047	13		
1760401	Soil		1.1	23.2	17.5	57	0.4	20.1	7.2	258	2.07	23.7	5.1	3.7	13	0.5	3.0	0.3	38	0.18	0.084	17		
1760402	Soil		1.7	18.4	27.7	58	0.3	15.0	9.0	387	2.88	31.3	12.3	1.9	8	0.4	4.1	0.3	51	0.08	0.044	17		
1760403	Soil		1.0	16.9	16.9	58	0.2	17.6	6.6	220	2.25	20.9	6.0	2.7	11	0.3	2.4	0.2	43	0.14	0.061	16		
1760404	Soil		1.2	16.6	13.8	58	0.1	15.2	5.8	211	2.22	14.7	3.6	0.5	9	0.4	1.4	0.2	44	0.08	0.062	12		
1760405	Soil		1.6	21.6	69.0	78	0.7	19.1	7.9	339	2.85	34.8	3.4	0.9	9	0.3	3.0	0.3	52	0.08	0.069	15		
1760406	Soil		1.0	20.8	18.1	62	0.3	17.3	6.3	211	1.82	17.2	3.8	2.7	8	0.3	1.8	0.2	34	0.10	0.060	14		
1760407	Soil		0.9	19.6	36.2	77	0.4	20.9	7.5	286	2.13	34.9	13.7	4.2	11	0.4	4.5	0.3	41	0.12	0.052	15		
1760408	Soil		1.0	19.3	12.1	56	0.1	20.5	8.0	321	2.25	18.5	9.1	2.5	10	0.4	1.8	0.2	44	0.12	0.048	15		



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PHONE (604) 253-3158

Client: Mayo Lake Minerals Inc.
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: September 12, 2016

Page: 6 of 6

Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI16000145.1

	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201			
					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760360	Soil				25	0.30	80	0.032	<1	1.29	0.005	0.04	0.2	0.04	1.8	<0.1	<0.05	4	<0.5	<0.2
1760361	Soil				29	0.40	97	0.032	2	1.67	0.006	0.05	0.2	0.04	2.3	0.1	<0.05	5	0.6	<0.2
1760362	Soil				26	0.31	86	0.039	<1	1.55	0.005	0.05	0.2	0.04	2.1	0.1	<0.05	6	<0.5	<0.2
1760363	Soil				22	0.15	87	0.053	<1	1.05	0.005	0.05	0.2	0.04	1.5	0.1	<0.05	8	<0.5	<0.2
1760364	Soil				23	0.33	91	0.043	1	1.24	0.007	0.04	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
1760365	Soil				23	0.16	100	0.025	1	0.96	0.005	0.07	0.1	0.03	0.8	0.1	<0.05	6	<0.5	<0.2
1760366	Soil				23	0.17	106	0.029	2	0.85	0.007	0.06	0.2	0.03	0.8	0.1	<0.05	5	<0.5	<0.2
1760367	Soil				26	0.30	98	0.039	<1	1.31	0.005	0.03	0.2	0.03	1.9	<0.1	<0.05	4	0.7	<0.2
1760368	Soil				23	0.27	56	0.036	1	1.01	0.005	0.03	0.2	0.05	1.5	<0.1	<0.05	4	<0.5	<0.2
1760369	Soil				27	0.21	106	0.057	<1	1.33	0.006	0.04	0.2	0.05	1.7	0.1	<0.05	9	<0.5	<0.2
1760370	Soil				23	0.25	95	0.031	1	1.19	0.005	0.04	0.1	0.04	1.4	0.1	<0.05	5	<0.5	<0.2
1760371	Soil				21	0.19	104	0.038	1	1.13	0.004	0.04	0.3	0.04	1.7	0.1	<0.05	6	<0.5	<0.2
1760372	Soil				23	0.26	78	0.024	1	0.95	0.005	0.04	0.2	0.04	1.1	<0.1	<0.05	4	<0.5	<0.2
1760373	Soil				27	0.35	108	0.028	<1	1.38	0.005	0.05	0.2	0.04	1.6	0.1	<0.05	5	<0.5	<0.2
1760401	Soil				24	0.30	97	0.036	<1	1.39	0.006	0.03	0.2	0.04	2.5	<0.1	<0.05	3	<0.5	<0.2
1760402	Soil				29	0.25	92	0.046	1	1.13	0.005	0.03	0.2	0.07	1.7	<0.1	<0.05	5	0.6	<0.2
1760403	Soil				26	0.33	76	0.038	1	1.34	0.006	0.04	0.2	0.04	2.3	<0.1	<0.05	4	0.5	<0.2
1760404	Soil				23	0.29	91	0.019	1	1.41	0.005	0.04	0.2	0.05	1.2	<0.1	<0.05	4	0.6	<0.2
1760405	Soil				29	0.37	115	0.023	2	1.79	0.006	0.05	0.2	0.06	2.1	0.1	<0.05	5	<0.5	<0.2
1760406	Soil				18	0.30	73	0.033	1	1.02	0.005	0.04	0.2	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
1760407	Soil				23	0.33	91	0.043	2	1.16	0.006	0.04	0.2	0.05	2.4	<0.1	<0.05	3	<0.5	<0.2
1760408	Soil				23	0.33	90	0.041	1	1.14	0.006	0.04	0.2	0.04	2.1	<0.1	<0.05	4	0.5	<0.2



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QUALITY CONTROL REPORT

WHI16000145.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1760247	Soil	1.5	16.2	13.3	77	0.3	19.4	6.7	335	2.43	14.7	3.0	0.6	13	0.8	1.4	0.3	44	0.13	0.069	15
REP 1760247	QC	1.5	16.7	12.6	73	0.3	18.7	6.4	357	2.42	14.1	3.7	0.6	13	0.8	1.3	0.2	44	0.13	0.063	14
1760283	Soil	1.1	14.6	9.2	63	<0.1	16.3	8.5	319	2.14	12.1	6.1	3.5	10	0.3	1.1	0.2	41	0.13	0.050	17
REP 1760283	QC	1.2	14.6	9.4	63	<0.1	15.9	8.7	320	2.14	12.2	3.9	3.5	9	0.4	1.1	0.2	40	0.13	0.051	16
1760328	Soil	1.5	22.4	11.3	61	0.2	17.5	9.0	480	2.36	16.5	3.8	0.7	9	0.3	1.3	0.2	50	0.08	0.059	14
REP 1760328	QC	1.2	23.9	11.5	63	0.2	18.3	8.6	482	2.43	17.1	4.6	0.7	9	0.3	1.4	0.2	50	0.08	0.060	14
1760355	Soil	1.3	11.8	14.4	49	0.2	12.4	4.4	196	2.20	15.6	11.8	1.2	8	0.3	1.6	0.2	48	0.07	0.029	13
REP 1760355	QC	1.3	12.3	14.9	49	0.2	12.3	4.4	195	2.20	15.5	14.0	1.2	8	0.3	1.6	0.2	48	0.08	0.028	13
Reference Materials																					
STD DS10	Standard	14.3	158.5	158.4	365	1.9	75.1	13.4	876	2.76	46.7	78.7	7.8	72	2.3	9.1	13.2	46	1.05	0.073	19
STD DS10	Standard	16.3	164.2	155.4	365	1.8	76.1	13.3	875	2.72	44.6	70.5	7.8	67	2.4	9.7	12.2	48	1.02	0.072	18
STD DS10	Standard	15.1	154.7	151.7	362	1.8	75.2	13.5	894	2.84	45.6	87.5	7.7	66	2.8	9.9	12.7	46	1.05	0.075	18
STD DS10	Standard	16.4	160.3	154.0	372	1.9	77.1	13.6	899	2.81	46.9	147.8	7.8	69	2.8	9.5	12.5	49	1.05	0.077	18
STD OXC129	Standard	1.3	27.7	6.7	38	<0.1	77.5	21.1	424	3.19	<0.5	201.5	1.8	182	<0.1	<0.1	<0.1	56	0.64	0.110	14
STD OXC129	Standard	1.4	28.5	6.6	39	<0.1	81.6	21.5	436	3.09	0.6	191.1	1.9	180	<0.1	<0.1	<0.1	56	0.65	0.099	13
STD OXC129	Standard	1.4	28.5	6.5	40	<0.1	79.9	21.5	425	3.05	<0.5	202.6	1.9	195	<0.1	<0.1	<0.1	57	0.70	0.104	13
STD OXC129	Standard	1.2	27.3	6.6	40	<0.1	81.8	20.9	432	3.09	0.9	197.7	1.9	191	<0.1	<0.1	<0.1	57	0.71	0.106	12
STD DS10 Expected		15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Client: **Mayo Lake Minerals Inc.**
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: September 12, 2016

Bureau Veritas Commodities Canada Ltd.

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Part: 2 of 2

QUALITY CONTROL REPORT

WHI16000145.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																	
1760247	Soil	27	0.32	136	0.028	<1	1.40	0.004	0.04	0.2	0.04	1.5	0.1	<0.05	5	<0.5	<0.2
REP 1760247	QC	29	0.31	138	0.027	<1	1.36	0.005	0.04	0.2	0.03	1.6	0.1	<0.05	4	<0.5	<0.2
1760283	Soil	24	0.28	63	0.049	5	1.02	0.005	0.03	0.2	0.04	1.8	<0.1	<0.05	3	<0.5	<0.2
REP 1760283	QC	24	0.27	65	0.048	2	1.01	0.005	0.03	0.2	0.04	1.7	<0.1	<0.05	4	<0.5	<0.2
1760328	Soil	26	0.35	90	0.027	1	1.31	0.004	0.04	0.2	0.03	1.5	0.1	0.05	4	<0.5	<0.2
REP 1760328	QC	26	0.33	93	0.028	2	1.30	0.005	0.04	0.2	0.03	1.4	0.1	<0.05	4	<0.5	<0.2
1760355	Soil	24	0.25	99	0.039	<1	1.01	0.004	0.03	0.2	0.04	1.5	0.1	<0.05	4	<0.5	<0.2
REP 1760355	QC	25	0.25	103	0.039	<1	0.99	0.005	0.03	0.2	0.05	1.6	0.1	<0.05	5	<0.5	<0.2
Reference Materials																	
STD DS10	Standard	56	0.78	369	0.084	6	1.04	0.073	0.31	3.4	0.28	3.0	5.3	0.23	4	3.0	4.8
STD DS10	Standard	58	0.75	368	0.080	9	1.03	0.066	0.31	3.2	0.31	2.9	5.3	0.30	4	2.2	4.4
STD DS10	Standard	56	0.75	367	0.081	6	1.04	0.070	0.33	3.8	0.32	2.8	5.1	0.28	5	1.9	5.0
STD DS10	Standard	60	0.80	364	0.085	8	1.06	0.072	0.34	3.3	0.29	2.9	5.1	0.28	4	2.2	5.1
STD OXC129	Standard	53	1.60	49	0.429	<1	1.58	0.592	0.35	<0.1	<0.01	0.8	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	54	1.45	49	0.393	2	1.41	0.542	0.34	<0.1	<0.01	0.9	<0.1	<0.05	5	<0.5	<0.2
STD OXC129	Standard	55	1.54	52	0.408	<1	1.60	0.575	0.37	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD OXC129	Standard	56	1.55	52	0.414	1	1.62	0.610	0.38	<0.1	<0.01	0.9	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6		
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2



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Client: **Mayo Lake Minerals Inc.**
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Submitted By: Tyrell Sutherland
Receiving Lab: Canada-Whitehorse
Received: August 02, 2016
Report Date: September 12, 2016
Page: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000146.1

CLIENT JOB INFORMATION

Project: Carlin
Shipment ID:
P.O. Number
Number of Samples: 3

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
DISP-RJT Dispose of Reject After 90 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Mayo Lake Minerals Inc.
107 Falldown Lane
Carp Ontario K0A 1L0
Canada

CC: Vern Rampton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	3	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ201	3	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	3	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Carp Ontario K0A 1L0 Canada

Project: Carlin
Report Date: September 12, 2016

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Part: 1 of 2

CERTIFICATE OF ANALYSIS

WHI16000146.1

	Method	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1760409	Rock	0.53	1.2	157.7	5.5	88	<0.1	13.0	2.9	221	13.73	311.7	2.0	4.5	1	0.5	8.0	<0.1	10	<0.01	0.142
1760410	Rock	0.80	70.4	103.7	>10000	592	>100	30.3	7.7	73	23.05	>10000	132.2	15.4	25	3.2	1152.3	103.6	56	<0.01	0.217
1760411	Rock	1.17	1.0	45.2	573.8	55	4.8	6.2	0.9	25	5.23	1093.4	67.3	1.7	1	0.4	352.9	10.4	5	<0.01	0.046



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Project: Carlin
Report Date: September 12, 2016

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CERTIFICATE OF ANALYSIS

WHI16000146.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760409	Rock	2	41	0.06	17	0.005	15	0.52	0.003	0.01	<0.1	0.02	2.0	<0.1	<0.05	1	6.7	<0.2
1760410	Rock	11	21	0.01	192	0.004	6	0.43	0.023	0.46	0.1	0.03	0.9	1.6	1.10	2	43.7	3.7
1760411	Rock	2	7	0.03	18	0.002	7	0.17	0.002	0.02	<0.1	0.07	0.3	<0.1	<0.05	<1	2.3	<0.2



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QUALITY CONTROL REPORT

WHI16000146.1

	Method Analyte Unit MDL	WGHT	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Reference Materials																					
STD DS10	Standard	15.4	165.7	153.8	360	1.8	78.6	13.7	906	2.88	46.3	108.2	7.5	67	2.7	9.1	11.8	45	1.11	0.074	
STD OXC129	Standard	1.3	29.5	6.7	42	<0.1	86.4	22.2	434	3.16	0.6	200.7	2.0	193	<0.1	<0.1	<0.1	53	0.69	0.110	
STD DS10 Expected		15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	
Prep Wash																					
ROCK-WHI	Prep Blank	0.6	6.6	2.0	36	<0.1	2.6	4.2	451	1.87	0.8	0.5	2.3	33	<0.1	<0.1	<0.1	25	0.76	0.038	



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QUALITY CONTROL REPORT

WHI16000146.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Reference Materials																		
STD DS10	Standard	19	57	0.82	350	0.081	9	1.07	0.069	0.35	3.4	0.30	3.0	5.2	0.29	4	2.3	5.0
STD OXC129	Standard	14	59	1.56	52	0.443	<1	1.59	0.621	0.38	<0.1	<0.01	0.8	<0.1	<0.05	6	<0.5	<0.2
STD DS10 Expected		17.5	54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01
STD OXC129 Expected		13	52	1.545	50	0.4	1	1.58	0.6	0.37		1.1				5.6		
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																		
ROCK-WHI	Prep Blank	6	4	0.43	77	0.096	1	1.04	0.105	0.11	0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2



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Submitted By: Tyrell Sutherland

Receiving Lab: Canada-Whitehorse

Received: August 02, 2016

Report Date: September 12, 2016

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CERTIFICATE OF ANALYSIS

WHI16000150.1

CLIENT JOB INFORMATION

Project: Trail-Minto

Shipment ID:

P.O. Number

Number of Samples: 19

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days

DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Mayo Lake Minerals Inc.
107 Falldown Lane
Carp Ontario K0A 1L0
Canada

CC: Vern Rampton

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	19	Dry at 60C			WHI
SS80	18	Dry at 60C sieve 100g to -80 mesh			WHI
AQ201	19	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
SHP01	19	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Trail-Minto
Report Date: September 12, 2016

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CERTIFICATE OF ANALYSIS

WHI16000150.1

	Method	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
1760186	Soil	0.8	17.2	10.4	47	0.2	16.1	9.2	384	1.86	7.7	2.1	2.0	50	0.1	0.6	0.2	35	0.40	0.078	15
1760187	Soil	0.5	30.0	37.5	54	0.1	20.2	7.2	384	2.14	11.5	5.1	6.3	15	0.1	1.5	0.2	19	0.15	0.051	29
1760188	Soil	0.8	11.8	16.1	44	<0.1	14.6	7.1	197	2.24	15.7	2.7	3.7	9	0.1	0.9	0.2	28	0.08	0.039	14
1760189	Soil	0.7	39.0	20.9	74	<0.1	29.5	11.6	484	2.90	24.4	6.2	9.0	13	<0.1	5.4	0.3	19	0.10	0.043	40
1760190	Soil	0.7	21.1	11.3	49	<0.1	18.1	7.2	245	2.13	12.6	5.6	7.2	12	<0.1	1.8	0.2	25	0.10	0.021	29
1760191	Soil	0.7	20.3	13.6	45	<0.1	16.0	7.0	238	1.94	13.8	1.7	6.4	13	<0.1	1.7	0.2	24	0.14	0.041	23
1760192	Soil	0.9	21.7	13.4	46	<0.1	17.0	7.3	250	2.06	14.0	2.7	4.9	21	<0.1	1.4	0.2	33	0.21	0.045	19
1760193	Soil	0.5	16.4	13.3	37	<0.1	12.3	4.9	186	1.58	10.3	2.2	2.3	30	<0.1	1.0	0.1	24	0.24	0.047	17
1760194	Soil	1.0	21.8	22.3	76	0.2	17.6	10.9	281	1.94	11.3	4.2	5.1	67	0.2	1.0	0.2	26	0.46	0.049	20
1760195	Soil	0.4	19.6	15.8	58	0.2	17.8	8.5	210	1.69	8.8	2.0	3.2	115	0.2	1.3	0.2	23	0.78	0.060	20
1760196	Soil	0.7	18.8	15.1	55	0.2	14.5	6.0	222	1.75	9.9	11.2	3.0	139	0.3	1.3	0.2	19	0.68	0.056	20
1760197	Soil	0.4	31.8	23.0	73	<0.1	28.7	13.0	368	2.85	13.2	3.0	14.3	53	<0.1	0.8	0.3	10	0.15	0.034	50
1760198	Soil	0.7	17.1	11.5	60	<0.1	18.4	7.4	288	2.27	14.0	16.5	8.6	23	<0.1	2.1	0.2	22	0.20	0.060	30
1760199	Soil	1.0	19.5	12.6	65	<0.1	20.1	7.0	302	2.29	14.3	5.2	9.1	23	0.1	2.2	0.2	24	0.20	0.061	30
1760200	Sand	0.1	1.3	0.4	<1	<0.1	1.1	0.3	82	0.76	<0.5	<0.5	2.5	1	0.2	<0.1	<0.1	<2	<0.01	0.002	7
1760201	Soil	0.6	26.2	13.5	61	<0.1	23.0	10.0	436	2.51	16.7	10.1	12.0	18	<0.1	3.4	0.2	17	0.17	0.053	40
1760202	Soil	0.7	31.6	18.9	62	<0.1	25.8	10.1	448	2.57	14.5	7.2	12.3	48	<0.1	2.6	0.2	16	0.25	0.043	42
1760203	Soil	0.6	30.7	13.6	57	0.1	26.0	10.3	356	2.47	15.0	4.8	7.3	51	<0.1	1.6	0.2	26	0.30	0.053	27
1760204	Rock Pulp	2.8	58.4	3.6	33	<0.1	6.6	8.1	304	2.57	<0.5	1.6	2.4	63	<0.1	0.1	<0.1	103	0.70	0.068	7



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Client: **Mayo Lake Minerals Inc.**
107 Falldown Lane
Carp Ontario K0A 1L0 Canada

Project: Trail-Minto
Report Date: September 12, 2016

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CERTIFICATE OF ANALYSIS

WHI16000150.1

	Method	Analyte	Unit	MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201			
					Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
					ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1760186	Soil				20	0.32	524	0.012	<1	1.25	0.006	0.04	0.2	0.06	2.9	0.1	<0.05	4	<0.5	<0.2
1760187	Soil				16	0.31	273	0.019	1	0.96	0.005	0.08	0.4	0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1760188	Soil				16	0.27	102	0.017	<1	0.94	0.004	0.04	0.3	0.02	1.5	<0.1	<0.05	3	<0.5	<0.2
1760189	Soil				16	0.43	202	0.010	<1	1.25	0.006	0.11	0.4	0.03	2.3	<0.1	<0.05	4	<0.5	<0.2
1760190	Soil				17	0.33	233	0.020	<1	1.06	0.006	0.05	0.3	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2
1760191	Soil				17	0.35	207	0.020	1	1.06	0.007	0.07	0.2	0.02	2.6	<0.1	<0.05	3	<0.5	<0.2
1760192	Soil				21	0.31	317	0.022	1	1.14	0.008	0.05	0.3	0.03	2.9	<0.1	<0.05	3	<0.5	<0.2
1760193	Soil				15	0.25	269	0.012	<1	0.82	0.006	0.04	0.3	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1760194	Soil				16	0.26	414	0.008	3	1.08	0.006	0.06	0.3	0.10	2.9	<0.1	<0.05	3	<0.5	<0.2
1760195	Soil				16	0.29	377	0.007	1	1.10	0.007	0.07	0.3	0.06	2.4	<0.1	<0.05	3	<0.5	<0.2
1760196	Soil				14	0.28	338	0.005	1	1.03	0.006	0.06	0.3	0.07	1.7	<0.1	<0.05	2	<0.5	<0.2
1760197	Soil				9	0.14	194	0.002	1	0.61	0.006	0.13	0.1	0.08	2.6	<0.1	<0.05	2	<0.5	<0.2
1760198	Soil				16	0.36	140	0.019	<1	0.95	0.005	0.06	0.5	0.03	1.8	<0.1	<0.05	3	<0.5	<0.2
1760199	Soil				17	0.37	147	0.022	<1	0.94	0.006	0.07	0.6	0.04	1.7	<0.1	<0.05	3	<0.5	<0.2
1760200	Sand				5	<0.01	3	0.002	<1	0.07	0.002	0.03	<0.1	<0.01	0.4	<0.1	<0.05	<1	<0.5	<0.2
1760201	Soil				15	0.40	134	0.013	<1	1.02	0.011	0.09	0.3	0.03	2.3	<0.1	<0.05	3	<0.5	<0.2
1760202	Soil				17	0.44	152	0.008	<1	1.21	0.007	0.08	0.3	0.02	2.1	<0.1	<0.05	3	<0.5	<0.2
1760203	Soil				20	0.39	223	0.018	<1	1.12	0.007	0.06	0.3	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
1760204	Rock Pulp				15	0.59	116	0.099	<1	1.27	0.144	0.19	5.6	<0.01	1.8	<0.1	<0.05	4	<0.5	<0.2



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QUALITY CONTROL REPORT

WHI16000150.1

	Method Analyte Unit MDL	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201	AQ201
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	1
Pulp Duplicates																					
1760190	Soil	0.7	21.1	11.3	49	<0.1	18.1	7.2	245	2.13	12.6	5.6	7.2	12	<0.1	1.8	0.2	25	0.10	0.021	29
REP 1760190	QC	0.7	21.3	11.4	50	<0.1	18.8	7.0	245	2.02	12.6	2.1	7.1	12	<0.1	1.9	0.2	25	0.11	0.023	29
Reference Materials																					
STD DS10	Standard	15.2	151.9	156.9	367	1.8	71.9	13.0	874	2.69	45.6	80.9	7.7	74	2.5	10.3	13.9	46	1.00	0.077	19
STD OXC129	Standard	1.3	26.5	6.6	40	<0.1	75.2	20.4	403	3.02	<0.5	190.9	1.9	179	<0.1	<0.1	<0.1	51	0.66	0.106	14
STD DS10 Expected		15.1	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43	1.0625	0.0765	17.5
STD OXC129 Expected		1.3	28	6.3	42.9		79.5	20.3	421	3.065	0.6	195	1.9					51	0.665	0.102	13
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001	<1



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Project: Trail-Minto

Report Date: September 12, 2016

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QUALITY CONTROL REPORT

WHI16000150.1

	Method Analyte Unit MDL	AQ201																
		Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
		ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
		1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																		
1760190	Soil	17	0.33	233	0.020	<1	1.06	0.006	0.05	0.3	0.03	2.6	<0.1	<0.05	3	<0.5	<0.2	
REP 1760190	QC	17	0.35	226	0.018	<1	1.01	0.005	0.05	0.2	0.03	2.5	<0.1	<0.05	3	<0.5	<0.2	
Reference Materials																		
STD DS10	Standard	56	0.83	363	0.085	6	1.09	0.079	0.31	3.4	0.26	3.0	5.4	0.23	5	2.4	5.0	
STD OXC129	Standard	52	1.53	54	0.420	<1	1.62	0.630	0.34	0.1	<0.01	1.0	<0.1	<0.05	6	<0.5	<0.2	
STD DS10 Expected		54.6	0.775	359	0.0817		1.0755	0.067	0.338	3.32	0.3	3	5.1	0.29	4.5	2.3	5.01	
STD OXC129 Expected		52	1.545	50	0.4	1	1.58	0.6	0.37			1.1			5.6			
BLK	Blank	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	

Your P.O. #: 11372
Your Project #: WHI16000149

Attention: Susie Woo

Acme Analytical Laboratories Ltd.
9050 Shaughnessy Street
Vancouver, BC
Canada V6P 6E5

Report Date: 2016/09/12

Report #: R4164900

Version: 1 - Final

CERTIFICATE OF ANALYSIS

MAXXAM JOB #: B6H6073

Received: 2016/08/16, 10:10

Sample Matrix: SOLID
Samples Received: 340

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Reference
Trace Metals by Neutron Activation	340	N/A	2016/09/12	BQL SOP-00001	Neutron Activation

Remarks:

Maxxam Analytics is an ISO 17025 accredited laboratory for certain tests listed within the scope of accreditation. This test report shall not be reproduced, except in full, without written approval of Maxxam Analytics.

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.

Simona Vatamanescu, Project Manager

Email: SVatamanescu@maxxam.ca

Phone# (905)826-3080

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK798		CXK815	CXK816		CXK817		CXK818		
Sampling Date											
	UNITS	1760019	RDL	1760020	1760021	RDL	1760022	RDL	1760023	RDL	QC Batch
Bromine	ppm	0.6	0.5	0.5	1.4	0.5	2.6	0.5	3.2	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	2.8	2.1	0.1	2.2	0.1	2.3	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	18.0	15.0	0.5	15.0	0.5	12.0	0.5	4630067
Barium (Ba)	ppm	660	50	760	810	50	890	50	930	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	71	3	96	88	3	73	3	79	3	4630067
Cesium (Cs)	ppm	3	1	4	4	1	3	1	3	1	4630067
Chromium (Cr)	ppm	62	5	74	63	5	59	5	66	5	4630067
Cobalt (Co)	ppm	7	1	12	11	1	9	1	8	1	4630067
Europium (Eu)	ppm	1.1	0.2	1.2	1.4	0.2	1.2	0.2	1.3	0.2	4630067
Gold (Au)	ppm	0.004	0.002	0.010	0.003	0.002	<0.002	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	12	1	8	10	1	9	1	7	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26100	100	34200	29700	100	28300	100	27600	100	4630067
Lanthanum (La)	ppm	36.0	0.5	49.0	48.0	0.5	38.0	0.5	42.0	0.5	4630067
Lutetium (Lu)	ppm	0.36	0.05	0.38	0.41	0.05	0.36	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.3	2.3	<2.8	<2.8	2.8	<3.1	3.1	<4.1	4.1	4630067
Neodymium (Nd)	ppm	24	5	33	31	5	25	5	31	5	4630067
Nickel (Ni)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	61	15	110	77	15	68	15	76	15	4630067
Samarium (Sm)	ppm	5.3	0.1	6.9	6.9	0.1	5.8	0.1	6.4	0.1	4630067
Scandium (Sc)	ppm	8.3	0.1	12.2	10.7	0.1	9.3	0.1	11.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8900	100	7600	8400	100	8000	100	7800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	0.7	1.5	0.5	1.0	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	0.9	0.5	0.8	1.0	0.5	0.7	0.5	0.9	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	15.0	12.0	0.2	11.0	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	2	1	2	1	2	1	4630067
Uranium (U)	ppm	3.2	0.5	3.5	5.5	0.5	6.6	0.5	11.0	0.5	4630067
Ytterbium (Yb)	ppm	2.4	0.2	2.6	2.8	0.2	2.4	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	73	50	91	96	50	64	50	82	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK819		CXK820		CXK821		CXK822		CXK823		
Sampling Date												
	UNITS	1760024	RDL	1760025	RDL	1760026	RDL	1760027	RDL	1760028	RDL	QC Batch
Bromine	ppm	2.3	0.5	<0.5	0.5	1.9	0.5	1.1	0.5	0.5	0.5	4630067
Antimony (Sb)	ppm	2.4	0.1	0.3	0.1	1.5	0.1	1.4	0.1	1.1	0.1	4630067
Arsenic (As)	ppm	20.0	0.5	1.3	0.5	10.0	0.5	13.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	830	50	570	50	910	50	1000	50	770	50	4630067
Calcium (Ca)	ppm	11000	10000	45000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	81	3	33	3	73	3	70	3	59	3	4630067
Cesium (Cs)	ppm	4	1	2	1	2	1	2	1	2	1	4630067
Chromium (Cr)	ppm	63	5	16	5	61	5	65	5	62	5	4630067
Cobalt (Co)	ppm	10	1	16	1	10	1	9	1	7	1	4630067
Europium (Eu)	ppm	1.3	0.2	0.9	0.2	1.0	0.2	0.8	0.2	0.9	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	0.005	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	5	1	8	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	31700	100	46900	100	24400	100	27100	100	23700	100	4630067
Lanthanum (La)	ppm	41.0	0.5	15.0	0.5	37.0	0.5	36.0	0.5	30.0	0.5	4630067
Lutetium (Lu)	ppm	0.36	0.05	0.46	0.05	0.36	0.05	0.34	0.05	0.32	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<4	4	<2.6	2.6	<3	3	<2.3	2.3	<2.2	2.2	4630067
Neodymium (Nd)	ppm	28	5	15	5	25	5	24	5	21	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	63	15	19	15	70	15	60	15	44	15	4630067
Samarium (Sm)	ppm	6.3	0.1	4.6	0.1	5.7	0.1	5.3	0.1	4.4	0.1	4630067
Scandium (Sc)	ppm	10.3	0.1	23.6	0.1	10.0	0.1	10.1	0.1	8.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8100	100	25800	100	8700	100	10000	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.5	<0.5	0.5	<0.5	0.5	1.2	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	<0.5	0.5	0.7	0.5	0.6	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	12.0	0.2	2.7	0.2	10.0	0.2	10.0	0.2	7.6	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	8	1	2	1	1	1	2	1	4630067
Uranium (U)	ppm	10.0	0.5	1.0	0.5	7.1	0.5	3.5	0.5	2.4	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	3.1	0.2	2.4	0.2	2.3	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	78	50	130	50	50	50	68	50	51	50	4630067
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK824		CXK825		CXK826		CXK827		
Sampling Date										
	UNITS	1760029	RDL	1760030	RDL	1760031	RDL	1760032	RDL	QC Batch
Bromine	ppm	1.3	0.5	1.6	0.5	2.3	0.5	1.7	0.5	4630067
Antimony (Sb)	ppm	1.4	0.1	1.9	0.1	2.1	0.1	1.6	0.1	4630067
Arsenic (As)	ppm	12.0	0.5	13.0	0.5	13.0	0.5	13.0	0.5	4630067
Barium (Ba)	ppm	760	50	710	50	750	50	880	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	69	3	83	3	73	3	73	3	4630067
Cesium (Cs)	ppm	2	1	3	1	4	1	8	1	4630067
Chromium (Cr)	ppm	61	5	61	5	61	5	61	5	4630067
Cobalt (Co)	ppm	9	1	10	1	10	1	10	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.0	0.2	1.1	0.2	1.1	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.004	0.002	0.004	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	11	1	8	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	25300	100	26300	100	28200	100	25200	100	4630067
Lanthanum (La)	ppm	35.0	0.5	43.0	0.5	37.0	0.5	38.0	0.5	4630067
Lutetium (Lu)	ppm	0.34	0.05	0.39	0.05	0.36	0.05	0.34	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.4	2.4	<2.8	2.8	<4	4	<3.1	3.1	4630067
Neodymium (Nd)	ppm	27	5	28	5	26	5	27	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	68	15	67	15	74	15	79	15	4630067
Samarium (Sm)	ppm	5.2	0.1	6.2	0.1	5.8	0.1	5.7	0.1	4630067
Scandium (Sc)	ppm	9.2	0.1	9.3	0.1	10.3	0.1	10.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	8500	100	8000	100	7700	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	0.9	0.5	0.6	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	0.6	0.5	0.6	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	12.0	0.2	12.0	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	1	1	2	1	4630067
Uranium (U)	ppm	3.2	0.5	4.2	0.5	11.0	0.5	5.7	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.6	0.2	2.3	0.2	2.2	0.2	4630067
Zinc (Zn)	ppm	69	50	74	50	65	50	81	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK828		CXK829		CXK830		CXK831		
Sampling Date										
	UNITS	1760033	RDL	1760034	RDL	1760035	RDL	1760036	RDL	QC Batch
Bromine	ppm	2.0	0.5	<0.5	0.5	0.6	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.8	0.1	1.2	0.1	1.7	0.1	2.0	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	13.0	0.5	15.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	950	50	860	50	720	50	770	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	78	3	65	3	72	3	74	3	4630067
Cesium (Cs)	ppm	8	1	4	1	4	1	3	1	4630067
Chromium (Cr)	ppm	62	5	69	5	60	5	63	5	4630067
Cobalt (Co)	ppm	9	1	10	1	8	1	8	1	4630067
Europium (Eu)	ppm	1.1	0.2	0.9	0.2	0.9	0.2	1.1	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	8	1	9	1	8	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27300	100	29400	100	27400	100	27200	100	4630067
Lanthanum (La)	ppm	40.0	0.5	33.0	0.5	36.0	0.5	38.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.05	0.33	0.05	0.32	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.2	3.2	<2.4	2.4	<2.3	2.3	<2.5	2.5	4630067
Neodymium (Nd)	ppm	28	5	20	5	22	5	26	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	93	15	77	15	78	15	67	15	4630067
Samarium (Sm)	ppm	6.0	0.1	4.8	0.1	5.0	0.1	5.4	0.1	4630067
Scandium (Sc)	ppm	10.7	0.1	9.2	0.1	9.5	0.1	10.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	7700	100	9300	100	7800	100	8400	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.4	0.5	1.5	0.5	0.8	0.5	0.5	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	0.7	0.5	0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	8.2	0.2	10.0	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	1	1	2	1	2	1	4630067
Uranium (U)	ppm	5.9	0.5	2.5	0.5	2.2	0.5	2.9	0.5	4630067
Ytterbium (Yb)	ppm	2.4	0.2	2.2	0.2	2.1	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	61	50	62	50	84	50	71	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK832		CXK833		CXK834		CXK835		
Sampling Date										
	UNITS	1760037	RDL	1760038	RDL	1760039	RDL	1760040	RDL	QC Batch
Bromine	ppm	1.2	0.5	<0.5	0.5	<0.5	0.5	0.5	0.5	4630067
Antimony (Sb)	ppm	1.4	0.1	1.4	0.1	1.6	0.1	1.2	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	12.0	0.5	12.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	950	50	780	50	1200	50	730	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	79	3	79	3	70	3	62	3	4630067
Cesium (Cs)	ppm	4	1	3	1	3	1	2	1	4630067
Chromium (Cr)	ppm	65	5	58	5	68	5	55	5	4630067
Cobalt (Co)	ppm	10	1	9	1	8	1	8	1	4630067
Europium (Eu)	ppm	1.1	0.2	1.0	0.2	1.2	0.2	1.1	0.2	4630067
Gold (Au)	ppm	0.004	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	10	1	9	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26600	100	24900	100	26900	100	24200	100	4630067
Lanthanum (La)	ppm	40.0	0.5	41.0	0.5	35.0	0.5	32.0	0.5	4630067
Lutetium (Lu)	ppm	0.37	0.05	0.37	0.05	0.41	0.05	0.31	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<3	3	<2.9	2.9	<2.6	2.6	4630067
Neodymium (Nd)	ppm	27	5	26	5	24	5	22	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	61	15	60	15	68	15	61	15	4630067
Samarium (Sm)	ppm	6.1	0.1	5.9	0.1	5.5	0.1	4.7	0.1	4630067
Scandium (Sc)	ppm	10.0	0.1	9.0	0.1	10.3	0.1	8.5	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8600	100	8100	100	9300	100	8700	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.0	0.5	1.7	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.6	0.5	0.9	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	11.0	0.2	9.3	0.2	8.7	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	<1	1	2	1	4630067
Uranium (U)	ppm	3.7	0.5	4.2	0.5	2.6	0.5	2.0	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	2.5	0.2	2.6	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	73	50	60	50	58	50	51	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK836		CXK837		CXK838		CXK839		
Sampling Date										
	UNITS	1760041	RDL	1760042	RDL	1760043	RDL	1760044	RDL	QC Batch
Bromine	ppm	0.9	0.5	1.2	0.5	1.2	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.5	0.1	1.0	0.1	1.3	0.1	1.4	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	12.0	0.5	15.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	770	50	710	50	620	50	750	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	73	3	62	3	64	3	60	3	4630067
Cesium (Cs)	ppm	2	1	2	1	2	1	2	1	4630067
Chromium (Cr)	ppm	59	5	59	5	53	5	59	5	4630067
Cobalt (Co)	ppm	8	1	8	1	9	1	8	1	4630067
Europium (Eu)	ppm	0.9	0.2	0.9	0.2	0.9	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	25200	100	24800	100	26000	100	27300	100	4630067
Lanthanum (La)	ppm	37.0	0.5	31.0	0.5	32.0	0.5	30.0	0.5	4630067
Lutetium (Lu)	ppm	0.36	0.05	0.32	0.05	0.31	0.05	0.33	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3	3	<2.3	2.3	3	1	<2.3	2.3	4630067
Neodymium (Nd)	ppm	24	5	22	5	23	5	20	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	57	15	48	15	49	15	60	15	4630067
Samarium (Sm)	ppm	5.5	0.1	4.5	0.1	4.6	0.1	4.5	0.1	4630067
Scandium (Sc)	ppm	9.3	0.1	8.2	0.1	7.8	0.1	8.3	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9300	100	9200	100	8200	100	9000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	1.1	0.5	1.0	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.6	0.5	0.7	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	7.6	0.2	8.8	0.2	8.7	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	3	1	<1	1	2	1	4630067
Uranium (U)	ppm	4.0	0.5	2.1	0.5	2.0	0.5	2.1	0.5	4630067
Ytterbium (Yb)	ppm	2.4	0.2	2.1	0.2	2.0	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	69	50	60	50	<50	50	67	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK840	CXK841		CXK842		CXK843		CXK844		
Sampling Date											
	UNITS	1760045	1760046	RDL	1760047	RDL	1760048	RDL	1760049	RDL	QC Batch
Bromine	ppm	0.6	2.1	0.5	2.4	0.5	1.3	0.5	2.3	0.5	4630067
Antimony (Sb)	ppm	1.6	1.6	0.1	1.7	0.1	1.1	0.1	1.2	0.1	4630067
Arsenic (As)	ppm	12.0	14.0	0.5	14.0	0.5	11.0	0.5	12.0	0.5	4630067
Barium (Ba)	ppm	930	810	50	820	50	1000	50	800	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	81	89	3	73	3	100	3	71	3	4630067
Cesium (Cs)	ppm	3	4	1	4	1	10	1	3	1	4630067
Chromium (Cr)	ppm	76	66	5	69	5	91	5	71	5	4630067
Cobalt (Co)	ppm	9	12	1	10	1	13	1	9	1	4630067
Europium (Eu)	ppm	1.2	1.2	0.2	1.0	0.2	1.2	0.2	1.0	0.2	4630067
Gold (Au)	ppm	<0.002	0.007	0.002	0.005	0.002	<0.002	0.002	0.003	0.002	4630067
Hafnium (Hf)	ppm	10	9	1	7	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30600	30300	100	30200	100	36400	100	29000	100	4630067
Lanthanum (La)	ppm	41.0	47.0	0.5	38.0	0.5	54.1	0.5	35.0	0.5	4630067
Lutetium (Lu)	ppm	0.39	0.42	0.05	0.33	0.05	0.41	0.05	0.37	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	3	4	1	<2.7	2.7	<3.3	3.3	<2.6	2.6	4630067
Neodymium (Nd)	ppm	30	37	5	28	5	39	5	25	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	89	79	15	85	15	130	15	64	15	4630067
Samarium (Sm)	ppm	5.7	6.9	0.1	5.6	0.1	7.5	0.1	5.1	0.1	4630067
Scandium (Sc)	ppm	11.0	11.4	0.1	11.3	0.1	14.3	0.1	10.4	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9000	7700	100	8200	100	8800	100	10000	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.3	0.8	0.5	1.0	0.5	<0.5	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.5	0.7	0.5	0.8	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	11.0	14.0	0.2	12.0	0.2	14.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	<1	1	<1	1	<1	1	2	1	4630067
Uranium (U)	ppm	2.7	3.7	0.5	2.6	0.5	4.6	0.5	2.6	0.5	4630067
Ytterbium (Yb)	ppm	2.5	2.7	0.2	2.0	0.2	2.6	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	86	63	50	75	50	97	50	81	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK845		CXK846		CXK847		CXK848		
Sampling Date										
	UNITS	1760050	RDL	1760051	RDL	1760052	RDL	1760053	RDL	QC Batch
Bromine	ppm	<0.5	0.5	3.1	0.5	1.0	0.5	2.1	0.5	4630067
Antimony (Sb)	ppm	0.2	0.1	1.1	0.1	1.1	0.1	1.0	0.1	4630067
Arsenic (As)	ppm	<0.5	0.5	12.0	0.5	149	0.5	9.3	0.5	4630067
Barium (Ba)	ppm	<50	50	810	50	1300	50	800	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	18	3	67	3	100	3	68	3	4630067
Cesium (Cs)	ppm	<1	1	3	1	5	1	3	1	4630067
Chromium (Cr)	ppm	12	5	70	5	100	5	68	5	4630067
Cobalt (Co)	ppm	<1	1	6	1	9	1	6	1	4630067
Europium (Eu)	ppm	0.2	0.2	1.0	0.2	1.2	0.2	1.1	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	0.011	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	3	1	9	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	9300	100	26200	100	39200	100	23400	100	4630067
Lanthanum (La)	ppm	8.3	0.5	33.0	0.5	51.5	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.08	0.05	0.35	0.05	0.44	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.6	2.6	<3.4	3.4	<2.7	2.7	4630067
Neodymium (Nd)	ppm	5	5	24	5	32	5	25	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	<15	15	62	15	160	15	58	15	4630067
Samarium (Sm)	ppm	1.1	0.1	4.9	0.1	7.2	0.1	5.1	0.1	4630067
Scandium (Sc)	ppm	1.1	0.1	10.0	0.1	17.5	0.1	9.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	130	100	10000	100	10000	100	10200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	0.9	0.5	1.0	0.5	1.0	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.6	0.5	0.7	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	2.9	0.2	9.3	0.2	14.0	0.2	9.2	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	0.6	0.5	2.5	0.5	2.8	0.5	3.1	0.5	4630067
Ytterbium (Yb)	ppm	0.5	0.2	2.3	0.2	2.8	0.2	2.5	0.2	4630067
Zinc (Zn)	ppm	<50	50	59	50	100	50	65	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK849		CXK850	CXK851		CXK852		CXK853		
Sampling Date											
	UNITS	1760054	RDL	1760055	1760056	RDL	1760057	RDL	1760058	RDL	QC Batch
Bromine	ppm	0.8	0.5	0.7	2.0	0.5	2.3	0.5	2.7	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	1.0	1.0	0.1	1.1	0.1	1.1	0.1	4630067
Arsenic (As)	ppm	9.1	0.5	11.0	10.0	0.5	11.0	0.5	12.0	0.5	4630067
Barium (Ba)	ppm	960	50	920	790	50	720	50	820	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	85	3	86	75	3	65	3	68	3	4630067
Cesium (Cs)	ppm	3	1	3	3	1	3	1	3	1	4630067
Chromium (Cr)	ppm	78	5	80	67	5	71	5	72	5	4630067
Cobalt (Co)	ppm	7	1	9	6	1	8	1	7	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.2	1.3	0.2	1.0	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.005	0.002	0.005	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	9	9	1	8	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27100	100	28200	24800	100	27300	100	27100	100	4630067
Lanthanum (La)	ppm	43.0	0.5	43.0	38.0	0.5	32.0	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.41	0.05	0.42	0.40	0.05	0.34	0.05	0.36	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<2.9	<2.9	2.9	<3	3	<2.8	2.8	4630067
Neodymium (Nd)	ppm	32	5	31	28	5	23	5	22	5	4630067
Nickel (Ni)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	79	15	77	68	15	62	15	66	15	4630067
Samarium (Sm)	ppm	6.3	0.1	6.5	5.6	0.1	4.7	0.1	4.8	0.1	4630067
Scandium (Sc)	ppm	11.2	0.1	11.9	10.1	0.1	10.3	0.1	10.5	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	11000	100	10500	10000	100	9300	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	1.8	0.8	0.5	1.4	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.7	0.6	0.5	0.9	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	11.0	10.0	0.2	10.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	2	2	1	2	1	3	1	4630067
Uranium (U)	ppm	3.4	0.5	2.8	3.0	0.5	2.8	0.5	3.1	0.5	4630067
Ytterbium (Yb)	ppm	2.7	0.2	2.7	2.5	0.2	2.2	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	74	50	74	51	50	<50	50	68	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK854		CXK855		CXK856		CXK857		
Sampling Date										
	UNITS	1760059	RDL	1760060	RDL	1760061	RDL	1760062	RDL	QC Batch
Bromine	ppm	2.7	0.5	2.6	0.5	0.9	0.5	0.9	0.5	4630067
Antimony (Sb)	ppm	1.1	0.1	1.0	0.1	1.2	0.1	1.0	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	25.0	0.5	14.0	0.5	9.3	0.5	4630067
Barium (Ba)	ppm	870	50	760	50	940	50	740	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	66	3	73	3	77	3	66	3	4630067
Cesium (Cs)	ppm	3	1	4	1	3	1	2	1	4630067
Chromium (Cr)	ppm	71	5	80	5	71	5	60	5	4630067
Cobalt (Co)	ppm	7	1	8	1	8	1	7	1	4630067
Europium (Eu)	ppm	1.0	0.2	1.1	0.2	1.0	0.2	0.9	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	8	1	9	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	29200	100	40400	100	28400	100	21900	100	4630067
Lanthanum (La)	ppm	32.0	0.5	37.0	0.5	39.0	0.5	32.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.05	0.36	0.05	0.39	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<3.3	3.3	<3.2	3.2	<2.7	2.7	4630067
Neodymium (Nd)	ppm	23	5	26	5	25	5	25	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	55	15	85	15	74	15	47	15	4630067
Samarium (Sm)	ppm	5.1	0.1	5.2	0.1	5.7	0.1	5.0	0.1	4630067
Scandium (Sc)	ppm	10.4	0.1	11.5	0.1	10.8	0.1	8.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10900	100	6800	100	10100	100	10200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	1.0	0.5	0.9	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.7	0.5	0.6	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	8.8	0.2	10.0	0.2	10.0	0.2	8.5	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	<1	1	2	1	4630067
Uranium (U)	ppm	2.9	0.5	2.9	0.5	2.4	0.5	2.8	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.3	0.2	2.4	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	78	50	68	50	72	50	63	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK858		CXK859		CXK860		CXK861		
Sampling Date										
	UNITS	1760063	RDL	1760064	RDL	1760065	RDL	1760066	RDL	QC Batch
Bromine	ppm	<0.5	0.5	0.6	0.5	3.5	0.5	2.4	0.5	4630067
Antimony (Sb)	ppm	1.1	0.1	1.1	0.1	1.9	0.1	1.5	0.1	4630067
Arsenic (As)	ppm	12.0	0.5	11.0	0.5	11.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	440	50	520	50	700	50	760	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	11000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	68	3	60	3	75	3	78	3	4630067
Cesium (Cs)	ppm	2	1	<1	1	4	1	5	1	4630067
Chromium (Cr)	ppm	41	5	45	5	61	5	62	5	4630067
Cobalt (Co)	ppm	7	1	7	1	9	1	10	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.0	0.2	1.2	0.2	1.3	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	7	1	9	1	8	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	21800	100	20300	100	26800	100	27300	100	4630067
Lanthanum (La)	ppm	34.0	0.5	31.0	0.5	38.0	0.5	39.0	0.5	4630067
Lutetium (Lu)	ppm	0.28	0.05	0.29	0.05	0.33	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	2.6	<2.5	2.5	<3	3	<2.9	2.9	4630067
Neodymium (Nd)	ppm	21	5	20	5	27	5	31	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	41	15	31	15	66	15	72	15	4630067
Samarium (Sm)	ppm	4.5	0.1	4.4	0.1	5.8	0.1	5.8	0.1	4630067
Scandium (Sc)	ppm	7.1	0.1	6.2	0.1	10.0	0.1	9.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	7100	100	7600	100	7200	100	7500	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.5	0.5	1.1	0.5	1.5	0.5	0.5	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.6	0.5	0.8	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	8.9	0.2	8.4	0.2	11.0	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	<1	1	<1	1	4630067
Uranium (U)	ppm	2.2	0.5	2.1	0.5	5.2	0.5	4.9	0.5	4630067
Ytterbium (Yb)	ppm	1.7	0.2	1.7	0.2	2.3	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	59	50	52	50	68	50	<50	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK862		CXK863		CXK864		CXK865		
Sampling Date										
	UNITS	1760067	RDL	1760068	RDL	1760069	RDL	1760070	RDL	QC Batch
Bromine	ppm	1.4	0.5	1.4	0.5	0.6	0.5	3.1	0.5	4630067
Antimony (Sb)	ppm	1.5	0.1	2.2	0.1	1.8	0.1	2.5	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	15.0	0.5	15.0	0.5	16.0	0.5	4630067
Barium (Ba)	ppm	890	50	1000	50	920	50	1300	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	90	3	83	3	73	3	98	3	4630067
Cesium (Cs)	ppm	5	1	4	1	3	1	5	1	4630067
Chromium (Cr)	ppm	77	5	78	5	69	5	88	5	4630067
Cobalt (Co)	ppm	12	1	11	1	8	1	14	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.2	0.2	1.0	0.2	1.4	0.2	4630067
Gold (Au)	ppm	0.005	0.002	<0.002	0.002	0.007	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	10	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	33500	100	32900	100	29000	100	38200	100	4630067
Lanthanum (La)	ppm	45.0	0.5	43.0	0.5	38.0	0.5	49.0	0.5	4630067
Lutetium (Lu)	ppm	0.38	0.05	0.39	0.05	0.36	0.05	0.44	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<2.6	2.6	<2.2	2.2	<2.6	2.6	4630067
Neodymium (Nd)	ppm	33	5	36	5	28	5	35	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	95	15	89	15	61	15	110	15	4630067
Samarium (Sm)	ppm	6.7	0.1	6.6	0.1	6.0	0.1	7.3	0.1	4630067
Scandium (Sc)	ppm	12.5	0.1	12.3	0.1	10.6	0.1	13.7	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8800	100	10000	100	10000	100	9400	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	<0.5	0.5	1.2	0.5	0.6	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	1.0	0.5	0.9	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	14.0	0.2	13.0	0.2	11.0	0.2	14.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	<1	1	3	1	4630067
Uranium (U)	ppm	4.2	0.5	3.8	0.5	2.8	0.5	3.6	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	2.7	0.2	2.6	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	61	50	68	50	87	50	100	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK866		CXK867		CXK868	CXK869		CXK870		
Sampling Date											
	UNITS	1760071	RDL	1760072	RDL	1760073	1760074	RDL	1760075	RDL	QC Batch
Bromine	ppm	0.8	0.5	0.7	0.5	1.3	1.6	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.5	0.1	0.9	0.1	1.5	1.2	0.1	2.0	0.1	4630067
Arsenic (As)	ppm	12.0	0.5	9.0	0.5	14.0	10.0	0.5	30.0	0.5	4630067
Barium (Ba)	ppm	920	50	900	50	1400	1400	50	330	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	10000	13000	10000	4630067
Cerium (Ce)	ppm	140	3	66	3	69	67	3	32	3	4630067
Cesium (Cs)	ppm	6	1	4	1	12	10	1	10	1	4630067
Chromium (Cr)	ppm	110	5	59	5	56	57	5	33	5	4630067
Cobalt (Co)	ppm	20	1	7	1	7	7	1	13	1	4630067
Europium (Eu)	ppm	1.8	0.2	1.1	0.2	1.3	1.1	0.2	0.8	0.2	4630067
Gold (Au)	ppm	0.006	0.002	<0.002	0.002	0.007	<0.002	0.002	0.301	0.002	4630067
Hafnium (Hf)	ppm	7	1	10	1	8	8	1	3	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	50900	100	23800	100	25600	24500	100	53600	100	4630067
Lanthanum (La)	ppm	74.4	0.5	32.0	0.5	38.0	34.0	0.5	16.0	0.5	4630067
Lutetium (Lu)	ppm	0.49	0.05	0.32	0.05	0.31	0.31	0.05	0.26	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.6	3.6	<2.1	2.1	<2.4	<2.4	2.4	21	1	4630067
Neodymium (Nd)	ppm	50	5	26	5	27	25	5	13	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	170	15	65	15	82	89	15	84	15	4630067
Samarium (Sm)	ppm	10.3	0.1	4.8	0.1	6.3	4.9	0.1	3.1	0.1	4630067
Scandium (Sc)	ppm	19.4	0.1	8.5	0.1	10.0	8.8	0.1	8.5	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8000	100	10300	100	9200	11200	100	7000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	0.9	0.5	1.3	1.7	0.5	1.0	0.5	4630067
Terbium (Tb)	ppm	1.6	0.5	0.6	0.5	0.8	0.7	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	19.0	0.2	8.9	0.2	11.0	9.1	0.2	4.8	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	3	1	<1	1	2	3	1	7	1	4630067
Uranium (U)	ppm	5.1	0.5	2.9	0.5	3.2	3.1	0.5	1.2	0.5	4630067
Ytterbium (Yb)	ppm	3.5	0.2	2.2	0.2	2.1	2.1	0.2	1.7	0.2	4630067
Zinc (Zn)	ppm	120	50	74	50	88	90	50	720	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK871		CXK872		CXK873		CXK874	CXK875		
Sampling Date											
	UNITS	1760076	RDL	1760077	RDL	1760078	RDL	1760079	1760080	RDL	QC Batch
Bromine	ppm	1.0	0.5	<0.5	0.5	0.8	0.5	1.1	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.3	0.1	1.7	0.1	1.4	0.1	1.3	1.3	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	14.0	0.5	17.0	0.5	16.0	10.0	0.5	4630067
Barium (Ba)	ppm	1100	50	1500	50	880	50	1200	1200	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	70	3	83	3	66	3	72	62	3	4630067
Cesium (Cs)	ppm	3	1	3	1	7	1	6	5	1	4630067
Chromium (Cr)	ppm	61	5	66	5	69	5	75	69	5	4630067
Cobalt (Co)	ppm	9	1	10	1	9	1	10	8	1	4630067
Europium (Eu)	ppm	1.4	0.2	1.2	0.2	0.9	0.2	1.1	0.9	0.2	4630067
Gold (Au)	ppm	0.008	0.002	<0.002	0.002	<0.002	0.002	0.004	0.024	0.002	4630067
Hafnium (Hf)	ppm	10	1	10	1	10	1	9	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26700	100	31900	100	28700	100	32200	26900	100	4630067
Lanthanum (La)	ppm	37.0	0.5	42.0	0.5	34.0	0.5	34.0	32.0	0.5	4630067
Lutetium (Lu)	ppm	0.40	0.05	0.45	0.05	0.31	0.05	0.33	0.33	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.5	2.5	<2.6	2.6	<2.3	2.3	<2.5	<2.5	2.5	4630067
Neodymium (Nd)	ppm	31	5	29	5	21	5	24	24	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Rubidium (Rb)	ppm	59	15	57	15	61	15	75	65	15	4630067
Samarium (Sm)	ppm	6.7	0.1	7.0	0.1	4.4	0.1	5.2	4.6	0.1	4630067
Scandium (Sc)	ppm	10.3	0.1	10.6	0.1	9.0	0.1	10.0	9.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	10200	100	9500	100	10000	100	10800	11100	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	1.4	0.5	<0.5	0.5	1.2	0.9	0.5	4630067
Terbium (Tb)	ppm	0.9	0.5	1.0	0.5	0.6	0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	11.0	0.2	11.0	0.2	12.0	9.2	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	1	1	<1	3	1	4630067
Uranium (U)	ppm	2.8	0.5	3.1	0.5	2.9	0.5	3.1	2.9	0.5	4630067
Ytterbium (Yb)	ppm	2.8	0.2	3.1	0.2	2.1	0.2	2.2	2.2	0.2	4630067
Zinc (Zn)	ppm	66	50	100	50	76	50	110	85	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK876		CXK877	CXK878		CXK879		CXK880		
Sampling Date											
	UNITS	1760081	RDL	1760082	1760083	RDL	1760084	RDL	1760085	RDL	QC Batch
Bromine	ppm	0.6	0.5	<0.5	<0.5	0.5	0.6	0.5	0.6	0.5	4630067
Antimony (Sb)	ppm	1.9	0.1	1.6	1.0	0.1	1.6	0.1	1.2	0.1	4630067
Arsenic (As)	ppm	9.4	0.5	10.0	10.0	0.5	14.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	1400	50	1700	1100	50	810	50	930	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	58	3	64	58	3	61	3	58	3	4630067
Cesium (Cs)	ppm	12	1	12	14	1	5	1	4	1	4630067
Chromium (Cr)	ppm	30	5	40	56	5	64	5	68	5	4630067
Cobalt (Co)	ppm	3	1	5	6	1	7	1	8	1	4630067
Europium (Eu)	ppm	0.8	0.2	1.1	0.8	0.2	0.6	0.2	0.9	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	<0.002	0.002	0.022	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	6	1	7	8	1	10	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	17900	100	20800	23300	100	26500	100	28800	100	4630067
Lanthanum (La)	ppm	30.0	0.5	31.0	29.0	0.5	30.0	0.5	29.0	0.5	4630067
Lutetium (Lu)	ppm	0.16	0.05	0.21	0.29	0.05	0.30	0.05	0.31	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.4	2.4	<2.5	<2.5	2.5	<2.4	2.4	<2.6	2.6	4630067
Neodymium (Nd)	ppm	20	5	22	24	5	20	5	23	5	4630067
Nickel (Ni)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	100	15	100	71	15	55	15	68	15	4630067
Samarium (Sm)	ppm	3.9	0.1	4.9	4.3	0.1	4.5	0.1	4.3	0.1	4630067
Scandium (Sc)	ppm	5.8	0.1	8.2	7.9	0.1	7.8	0.1	8.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	6700	100	10000	10000	100	10000	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.7	0.5	1.5	<0.5	0.5	1.0	0.5	<0.5	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.7	0.5	0.5	<0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	11.0	7.5	0.2	8.4	0.2	7.9	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	3	1	3	2	1	<1	1	3	1	4630067
Uranium (U)	ppm	4.2	0.5	3.6	2.8	0.5	2.8	0.5	2.6	0.5	4630067
Ytterbium (Yb)	ppm	1.0	0.2	1.5	2.0	0.2	2.0	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	110	50	83	78	50	57	50	78	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK881		CXK882		CXK883		CXK884		
Sampling Date										
	UNITS	1760086	RDL	1760087	RDL	1760088	RDL	1760089	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	1.5	0.5	4.8	0.5	4630067
Antimony (Sb)	ppm	1.3	0.1	1.6	0.1	1.9	0.1	3.9	0.1	4630067
Arsenic (As)	ppm	10.0	0.5	11.0	0.5	15.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	1300	50	1300	50	930	50	1000	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	55	3	50	3	96	3	110	3	4630067
Cesium (Cs)	ppm	10	1	12	1	16	1	18	1	4630067
Chromium (Cr)	ppm	47	5	33	5	97	5	80	5	4630067
Cobalt (Co)	ppm	6	1	6	1	13	1	14	1	4630067
Europium (Eu)	ppm	0.8	0.2	0.6	0.2	1.3	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	7	1	6	1	7	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	24100	100	18600	100	32700	100	36300	100	4630067
Lanthanum (La)	ppm	28.0	0.5	26.0	0.5	50.5	0.5	56.8	0.5	4630067
Lutetium (Lu)	ppm	0.22	0.05	0.16	0.05	0.35	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<2.4	2.4	<3.9	3.9	<4.7	4.7	4630067
Neodymium (Nd)	ppm	20	5	17	5	37	5	43	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	79	15	100	15	160	15	150	15	4630067
Samarium (Sm)	ppm	3.8	0.1	3.3	0.1	7.1	0.1	8.1	0.1	4630067
Scandium (Sc)	ppm	7.0	0.1	5.3	0.1	16.1	0.1	14.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10100	100	10000	100	7800	100	6600	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	0.9	0.5	0.7	0.5	1.6	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	<0.5	0.5	0.9	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	8.6	0.2	10.0	0.2	15.0	0.2	19.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	2	1	2	1	4630067
Uranium (U)	ppm	3.2	0.5	3.2	0.5	6.2	0.5	9.2	0.5	4630067
Ytterbium (Yb)	ppm	1.5	0.2	0.9	0.2	2.5	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	76	50	63	50	54	50	82	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK885		CXK886		CXK887	CXK888	CXK889	CXK890		
Sampling Date											
	UNITS	1760090	RDL	1760091	RDL	1760092	1760093	1760094	1760095	RDL	QC Batch
Bromine	ppm	5.4	0.5	2.0	0.5	1.4	0.7	<0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	4.3	0.1	1.7	1.1	2.0	2.1	0.1	4630067
Arsenic (As)	ppm	17.0	0.5	28.0	0.5	14.0	7.6	15.0	11.0	0.5	4630067
Barium (Ba)	ppm	940	50	1300	50	1400	1100	1400	1700	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	120	3	84	3	63	63	70	65	3	4630067
Cesium (Cs)	ppm	22	1	33	1	8	5	11	16	1	4630067
Chromium (Cr)	ppm	88	5	60	5	56	64	45	31	5	4630067
Cobalt (Co)	ppm	14	1	10	1	8	9	5	5	1	4630067
Europium (Eu)	ppm	1.6	0.2	1.5	0.2	0.9	0.8	1.3	0.9	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	8	1	8	1	8	10	9	7	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	37400	100	30000	100	26900	24000	23500	19700	100	4630067
Lanthanum (La)	ppm	58.6	0.5	44.0	0.5	32.0	31.0	39.0	33.0	0.5	4630067
Lutetium (Lu)	ppm	0.39	0.05	0.28	0.05	0.30	0.32	0.29	0.17	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<4.8	4.8	<3.6	3.6	<2.8	<2.8	<2.8	<2.8	2.8	4630067
Neodymium (Nd)	ppm	41	5	29	5	23	23	29	20	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	<100	<100	100	4630067
Rubidium (Rb)	ppm	140	15	120	15	96	68	94	130	15	4630067
Samarium (Sm)	ppm	8.3	0.1	6.5	0.1	4.5	4.6	6.2	4.2	0.1	4630067
Scandium (Sc)	ppm	14.3	0.1	10.3	0.1	8.8	8.2	7.8	6.1	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	<5	<5	5	4630067
Sodium (Na)	ppm	6100	100	7700	100	11800	10800	10000	8900	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	<500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.5	1.4	0.5	0.6	1.3	1.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.9	0.5	0.7	0.5	<0.5	0.5	0.9	<0.5	0.5	4630067
Thorium (Th)	ppm	20.0	0.2	14.0	0.2	10.0	8.4	12.0	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	<100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	3	<1	2	3	1	4630067
Uranium (U)	ppm	8.8	0.5	5.3	0.5	3.3	2.3	3.8	4.0	0.5	4630067
Ytterbium (Yb)	ppm	2.7	0.2	2.0	0.2	2.0	2.2	2.0	1.2	0.2	4630067
Zinc (Zn)	ppm	82	50	150	50	120	85	70	89	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK891		CXK892		CXK893		CXK894		
Sampling Date										
	UNITS	1760096	RDL	1760097	RDL	1760098	RDL	1760099	RDL	QC Batch
Bromine	ppm	0.5	0.5	0.8	0.5	0.6	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.0	0.1	1.9	0.1	1.6	0.1	1.2	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	12.0	0.5	14.0	0.5	10.0	0.5	4630067
Barium (Ba)	ppm	880	50	1700	50	1100	50	1000	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	64	3	49	3	65	3	61	3	4630067
Cesium (Cs)	ppm	7	1	11	1	5	1	4	1	4630067
Chromium (Cr)	ppm	44	5	37	5	68	5	62	5	4630067
Cobalt (Co)	ppm	5	1	5	1	9	1	8	1	4630067
Europium (Eu)	ppm	1.0	0.2	0.8	0.2	1.0	0.2	0.5	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	7	1	8	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	21900	100	21000	100	28700	100	25600	100	4630067
Lanthanum (La)	ppm	33.0	0.5	26.0	0.5	32.0	0.5	31.0	0.5	4630067
Lutetium (Lu)	ppm	0.27	0.05	0.18	0.05	0.31	0.05	0.31	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	2.6	<2.4	2.4	<2.6	2.6	<2.8	2.8	4630067
Neodymium (Nd)	ppm	24	5	18	5	24	5	23	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	84	15	110	15	83	15	58	15	4630067
Samarium (Sm)	ppm	4.6	0.1	3.4	0.1	4.5	0.1	4.4	0.1	4630067
Scandium (Sc)	ppm	6.8	0.1	6.0	0.1	9.5	0.1	8.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8500	100	11400	100	10600	100	10600	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	1.0	0.5	1.0	0.5	<0.5	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	<0.5	0.5	<0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	8.9	0.2	9.1	0.2	10.0	0.2	8.7	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	2	1	3	1	4630067
Uranium (U)	ppm	3.0	0.5	3.6	0.5	2.6	0.5	2.9	0.5	4630067
Ytterbium (Yb)	ppm	1.9	0.2	1.2	0.2	2.1	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	100	50	72	50	89	50	89	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK895		CXK896		CXK897		CXK898		
Sampling Date										
	UNITS	1760100	RDL	1760118	RDL	1760119	RDL	1760120	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	<0.5	0.5	0.7	0.5	4630067
Antimony (Sb)	ppm	0.2	0.1	1.8	0.1	6.8	0.1	6.1	0.1	4630067
Arsenic (As)	ppm	<0.5	0.5	14.0	0.5	34.0	0.5	26.0	0.5	4630067
Barium (Ba)	ppm	<50	50	790	50	840	50	730	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	17	3	88	3	110	3	110	3	4630067
Cesium (Cs)	ppm	<1	1	3	1	5	1	5	1	4630067
Chromium (Cr)	ppm	11	5	68	5	94	5	79	5	4630067
Cobalt (Co)	ppm	<1	1	10	1	15	1	15	1	4630067
Europium (Eu)	ppm	<0.2	0.2	1.2	0.2	1.5	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.013	0.002	0.011	0.002	4630067
Hafnium (Hf)	ppm	3	1	10	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	9000	100	30000	100	41200	100	38900	100	4630067
Lanthanum (La)	ppm	7.8	0.5	42.0	0.5	54.6	0.5	53.0	0.5	4630067
Lutetium (Lu)	ppm	0.06	0.05	0.36	0.05	0.40	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.8	2.8	<3.3	3.3	<3.4	3.4	4630067
Neodymium (Nd)	ppm	7	5	34	5	44	5	38	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	<15	15	90	15	120	15	120	15	4630067
Samarium (Sm)	ppm	1.1	0.1	6.1	0.1	7.8	0.1	7.3	0.1	4630067
Scandium (Sc)	ppm	1.1	0.1	10.2	0.1	13.7	0.1	12.8	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	120	100	10000	100	8500	100	8600	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.0	0.5	1.1	0.5	1.0	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.9	0.5	0.7	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	2.7	0.2	12.0	0.2	17.0	0.2	16.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	3	1	<1	1	2	1	4630067
Uranium (U)	ppm	0.7	0.5	2.4	0.5	2.6	0.5	3.4	0.5	4630067
Ytterbium (Yb)	ppm	0.4	0.2	2.5	0.2	2.9	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	<50	50	67	50	99	50	90	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK899		CXK900		CXK901		CXK902		
Sampling Date										
	UNITS	1760121	RDL	1760122	RDL	1760123	RDL	1760124	RDL	QC Batch
Bromine	ppm	0.9	0.5	2.9	0.5	0.6	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	5.5	0.1	2.0	0.1	2.3	0.1	2.7	0.1	4630067
Arsenic (As)	ppm	26.0	0.5	15.0	0.5	19.0	0.5	20.0	0.5	4630067
Barium (Ba)	ppm	810	50	690	50	920	50	810	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	110	3	81	3	79	3	90	3	4630067
Cesium (Cs)	ppm	4	1	3	1	3	1	4	1	4630067
Chromium (Cr)	ppm	80	5	56	5	69	5	71	5	4630067
Cobalt (Co)	ppm	16	1	9	1	12	1	13	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.1	0.2	1.0	0.2	1.3	0.2	4630067
Gold (Au)	ppm	0.009	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	11	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	41500	100	26200	100	32000	100	35700	100	4630067
Lanthanum (La)	ppm	57.4	0.5	39.0	0.5	39.0	0.5	46.0	0.5	4630067
Lutetium (Lu)	ppm	0.40	0.05	0.38	0.05	0.36	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.5	3.5	<3.4	3.4	4	1	<3.3	3.3	4630067
Neodymium (Nd)	ppm	44	5	30	5	30	5	36	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	130	15	73	15	72	15	92	15	4630067
Samarium (Sm)	ppm	8.0	0.1	5.9	0.1	5.9	0.1	6.7	0.1	4630067
Scandium (Sc)	ppm	13.9	0.1	8.7	0.1	10.9	0.1	11.3	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8400	100	8400	100	9300	100	8600	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	1.4	0.5	1.0	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	1.0	0.5	1.1	0.5	1.1	0.5	0.9	0.5	4630067
Thorium (Th)	ppm	18.0	0.2	11.0	0.2	11.0	0.2	15.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	<1	1	3	1	3	1	4630067
Uranium (U)	ppm	2.7	0.5	4.8	0.5	3.0	0.5	3.0	0.5	4630067
Ytterbium (Yb)	ppm	2.9	0.2	2.5	0.2	2.6	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	100	50	67	50	87	50	86	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK903		CXK904		CXK905		CXK906		CXK907		
Sampling Date												
	UNITS	1760125	RDL	1760126	RDL	1760127	RDL	1760128	RDL	1760129	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	1.5	0.5	2.3	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	0.3	0.1	2.6	0.1	1.9	0.1	2.3	0.1	5.2	0.1	4630067
Arsenic (As)	ppm	1.2	0.5	20.0	0.5	13.0	0.5	16.0	0.5	24.0	0.5	4630067
Barium (Ba)	ppm	580	50	780	50	790	50	730	50	800	50	4630067
Calcium (Ca)	ppm	43000	10000	<10000	10000	<10000	10000	11000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	35	3	80	3	73	3	69	3	110	3	4630067
Cesium (Cs)	ppm	<1	1	4	1	2	1	3	1	4	1	4630067
Chromium (Cr)	ppm	20	5	68	5	60	5	52	5	75	5	4630067
Cobalt (Co)	ppm	17	1	12	1	9	1	12	1	15	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.3	0.2	1.2	0.2	1.4	0.2	1.3	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	0.007	0.002	<0.002	0.002	0.008	0.002	4630067
Hafnium (Hf)	ppm	5	1	9	1	10	1	7	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	46700	100	31600	100	24700	100	25500	100	36300	100	4630067
Lanthanum (La)	ppm	15.0	0.5	40.0	0.5	38.0	0.5	35.0	0.5	53.5	0.5	4630067
Lutetium (Lu)	ppm	0.44	0.05	0.38	0.05	0.36	0.05	0.31	0.05	0.42	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	6	1	<3.5	3.5	<3.3	3.3	<4.1	4.1	<2.8	2.8	4630067
Neodymium (Nd)	ppm	16	5	33	5	28	5	23	5	38	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	34	15	81	15	63	15	73	15	110	15	4630067
Samarium (Sm)	ppm	4.5	0.1	6.0	0.1	5.7	0.1	5.2	0.1	7.6	0.1	4630067
Scandium (Sc)	ppm	23.4	0.1	11.0	0.1	9.0	0.1	8.8	0.1	12.5	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	25400	100	7900	100	9000	100	7200	100	8900	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.2	0.5	1.1	0.5	1.4	0.5	1.5	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.7	0.5	0.7	0.5	0.6	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	3.0	0.2	13.0	0.2	10.0	0.2	11.0	0.2	17.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	8	1	4	1	2	1	<1	1	2	1	4630067
Uranium (U)	ppm	1.1	0.5	2.7	0.5	2.8	0.5	11.0	0.5	3.4	0.5	4630067
Ytterbium (Yb)	ppm	3.0	0.2	2.5	0.2	2.4	0.2	2.2	0.2	3.0	0.2	4630067
Zinc (Zn)	ppm	84	50	85	50	58	50	86	50	99	50	4630067
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK908		CXK909		CXK910		CXK911		
Sampling Date										
	UNITS	1760130	RDL	1760131	RDL	1760132	RDL	1760133	RDL	QC Batch
Bromine	ppm	1.0	0.5	1.1	0.5	4.0	0.5	2.5	0.5	4630067
Antimony (Sb)	ppm	4.4	0.1	2.7	0.1	1.9	0.1	1.9	0.1	4630067
Arsenic (As)	ppm	21.0	0.5	22.0	0.5	16.0	0.5	18.0	0.5	4630067
Barium (Ba)	ppm	770	50	770	50	750	50	650	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	13000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	97	3	96	3	72	3	81	3	4630067
Cesium (Cs)	ppm	3	1	5	1	4	1	4	1	4630067
Chromium (Cr)	ppm	70	5	73	5	65	5	66	5	4630067
Cobalt (Co)	ppm	12	1	14	1	11	1	14	1	4630067
Europium (Eu)	ppm	1.5	0.2	1.0	0.2	0.9	0.2	1.3	0.2	4630067
Gold (Au)	ppm	0.006	0.002	0.006	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	6	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	33600	100	36000	100	30500	100	32400	100	4630067
Lanthanum (La)	ppm	50.3	0.5	47.0	0.5	38.0	0.5	41.0	0.5	4630067
Lutetium (Lu)	ppm	0.40	0.05	0.38	0.05	0.29	0.05	0.34	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	2.6	<2.7	2.7	<2.6	2.6	<2.7	2.7	4630067
Neodymium (Nd)	ppm	34	5	35	5	26	5	29	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	100	15	110	15	84	15	94	15	4630067
Samarium (Sm)	ppm	7.2	0.1	6.7	0.1	5.4	0.1	6.0	0.1	4630067
Scandium (Sc)	ppm	11.9	0.1	12.2	0.1	11.0	0.1	11.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8900	100	8300	100	6800	100	7800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	1.6	0.5	1.2	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	1.1	0.5	0.8	0.5	<0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	15.0	0.2	15.0	0.2	13.0	0.2	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	1	1	4630067
Uranium (U)	ppm	3.1	0.5	3.0	0.5	4.4	0.5	4.7	0.5	4630067
Ytterbium (Yb)	ppm	2.8	0.2	2.6	0.2	2.0	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	66	50	86	50	83	50	84	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK912		CXK913		CXK914	CXK915		CXK916		
Sampling Date											
	UNITS	1760134	RDL	1760135	RDL	1760136	1760137	RDL	1760138	RDL	QC Batch
Bromine	ppm	<0.5	0.5	0.6	0.5	<0.5	0.7	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.4	0.1	4.0	0.1	2.6	2.9	0.1	1.8	0.1	4630067
Arsenic (As)	ppm	20.0	0.5	24.0	0.5	17.0	17.0	0.5	18.0	0.5	4630067
Barium (Ba)	ppm	870	50	730	50	1000	690	50	690	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	110	3	110	3	97	98	3	77	3	4630067
Cesium (Cs)	ppm	4	1	2	1	4	4	1	2	1	4630067
Chromium (Cr)	ppm	71	5	64	5	78	67	5	54	5	4630067
Cobalt (Co)	ppm	13	1	11	1	10	11	1	8	1	4630067
Europium (Eu)	ppm	1.7	0.2	1.7	0.2	1.4	1.2	0.2	0.9	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.008	0.002	0.006	<0.002	0.002	0.008	0.002	4630067
Hafnium (Hf)	ppm	10	1	10	1	10	10	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	33100	100	35800	100	35800	34100	100	26800	100	4630067
Lanthanum (La)	ppm	54.3	0.5	52.9	0.5	50.0	49.0	0.5	38.0	0.5	4630067
Lutetium (Lu)	ppm	0.43	0.05	0.39	0.05	0.46	0.39	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	2.6	<2.7	2.7	<2.5	<2.5	2.5	<2.4	2.4	4630067
Neodymium (Nd)	ppm	38	5	40	5	40	35	5	29	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	86	15	96	15	84	90	15	57	15	4630067
Samarium (Sm)	ppm	8.6	0.1	8.0	0.1	8.0	6.8	0.1	5.8	0.1	4630067
Scandium (Sc)	ppm	12.9	0.1	12.0	0.1	13.0	11.0	0.1	9.1	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9000	100	9100	100	9400	7900	100	8500	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.3	0.5	0.7	0.5	1.1	1.6	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	1.2	0.5	0.8	0.5	1.0	0.7	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	14.0	0.2	16.0	0.2	14.0	16.0	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	2	1	2	1	4630067
Uranium (U)	ppm	2.9	0.5	3.5	0.5	3.6	3.2	0.5	2.6	0.5	4630067
Ytterbium (Yb)	ppm	3.1	0.2	2.8	0.2	3.2	2.6	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	79	50	87	50	110	76	50	66	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK917		CXK918		CXK919		CXK920	CXK921		
Sampling Date											
	UNITS	1760139	RDL	1760140	RDL	1760141	RDL	1760142	1760143	RDL	QC Batch
Bromine	ppm	0.6	0.5	1.5	0.5	<0.5	0.5	0.7	0.8	0.5	4630067
Antimony (Sb)	ppm	1.5	0.1	1.8	0.1	1.4	0.1	1.6	1.7	0.1	4630067
Arsenic (As)	ppm	15.0	0.5	8.9	0.5	12.0	0.5	17.0	16.0	0.5	4630067
Barium (Ba)	ppm	740	50	800	50	830	50	810	810	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	76	3	75	3	100	3	68	74	3	4630067
Cesium (Cs)	ppm	3	1	3	1	4	1	3	2	1	4630067
Chromium (Cr)	ppm	60	5	50	5	84	5	65	60	5	4630067
Cobalt (Co)	ppm	9	1	8	1	9	1	10	10	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.1	0.2	1.2	0.2	1.1	1.2	0.2	4630067
Gold (Au)	ppm	0.005	0.002	0.004	0.002	<0.002	0.002	<0.002	0.010	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	9	1	9	11	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27000	100	21600	100	33200	100	29700	27700	100	4630067
Lanthanum (La)	ppm	38.0	0.5	38.0	0.5	50.0	0.5	33.0	38.0	0.5	4630067
Lutetium (Lu)	ppm	0.37	0.05	0.34	0.05	0.38	0.05	0.33	0.38	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.3	2.3	<3.1	3.1	<2.7	2.7	<2.4	<2.4	2.4	4630067
Neodymium (Nd)	ppm	29	5	27	5	38	5	25	30	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Rubidium (Rb)	ppm	59	15	69	15	130	15	59	57	15	4630067
Samarium (Sm)	ppm	6.0	0.1	5.6	0.1	7.3	0.1	4.8	5.9	0.1	4630067
Scandium (Sc)	ppm	9.4	0.1	8.7	0.1	13.6	0.1	8.9	10.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	8600	100	8600	100	6900	100	8800	9200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.5	1.4	0.5	1.2	0.5	0.8	0.8	0.5	4630067
Terbium (Tb)	ppm	0.9	0.5	0.9	0.5	0.8	0.5	0.7	0.7	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	11.0	0.2	15.0	0.2	10.0	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	1	1	1	1	1	1	2	<1	1	4630067
Uranium (U)	ppm	2.9	0.5	7.1	0.5	3.7	0.5	2.8	3.4	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	2.3	0.2	2.5	0.2	2.2	2.6	0.2	4630067
Zinc (Zn)	ppm	58	50	77	50	87	50	72	66	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK922		CXK923		CXK924		CXK925	CXK926		
Sampling Date											
	UNITS	1760144	RDL	1760145	RDL	1760146	RDL	1760147	1760148	RDL	QC Batch
Bromine	ppm	0.9	0.5	0.7	0.5	<0.5	0.5	1.0	1.1	0.5	4630067
Antimony (Sb)	ppm	2.0	0.1	2.2	0.1	2.0	0.1	1.7	2.0	0.1	4630067
Arsenic (As)	ppm	15.0	0.5	16.0	0.5	13.0	0.5	14.0	14.0	0.5	4630067
Barium (Ba)	ppm	850	50	830	50	650	50	750	850	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	88	3	94	3	69	3	72	78	3	4630067
Cesium (Cs)	ppm	4	1	3	1	2	1	2	3	1	4630067
Chromium (Cr)	ppm	71	5	68	5	58	5	60	71	5	4630067
Cobalt (Co)	ppm	10	1	11	1	7	1	9	12	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.2	0.2	0.9	0.2	0.9	1.0	0.2	4630067
Gold (Au)	ppm	0.004	0.002	<0.002	0.002	0.008	0.002	<0.002	0.007	0.002	4630067
Hafnium (Hf)	ppm	9	1	10	1	11	1	10	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	33000	100	34100	100	25600	100	24900	29800	100	4630067
Lanthanum (La)	ppm	45.0	0.5	48.0	0.5	34.0	0.5	36.0	38.0	0.5	4630067
Lutetium (Lu)	ppm	0.37	0.05	0.39	0.05	0.32	0.05	0.34	0.37	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<2.7	2.7	<2.3	2.3	<3.3	<3.3	3.3	4630067
Neodymium (Nd)	ppm	34	5	38	5	24	5	26	28	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Rubidium (Rb)	ppm	82	15	98	15	65	15	65	80	15	4630067
Samarium (Sm)	ppm	6.2	0.1	6.7	0.1	5.0	0.1	5.4	5.8	0.1	4630067
Scandium (Sc)	ppm	11.3	0.1	11.6	0.1	7.8	0.1	8.5	10.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	8900	100	8600	100	8000	100	9100	9000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	1.2	0.5	0.7	0.5	1.3	1.8	0.5	4630067
Terbium (Tb)	ppm	0.9	0.5	0.9	0.5	0.7	0.5	0.8	0.9	0.5	4630067
Thorium (Th)	ppm	13.0	0.2	15.0	0.2	10.0	0.2	10.0	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	1	1	<1	1	1	1	3	1	1	4630067
Uranium (U)	ppm	3.1	0.5	3.2	0.5	3.1	0.5	5.8	4.4	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	2.6	0.2	2.2	0.2	2.4	2.4	0.2	4630067
Zinc (Zn)	ppm	98	50	76	50	<50	50	60	86	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK927		CXK928		CXK929		CXK930		
Sampling Date										
	UNITS	1760149	RDL	1760150	RDL	1760151	RDL	1760152	RDL	QC Batch
Bromine	ppm	0.8	0.5	<0.5	0.5	1.9	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.4	0.1	0.2	0.1	1.9	0.1	1.6	0.1	4630067
Arsenic (As)	ppm	15.0	0.5	0.8	0.5	14.0	0.5	13.0	0.5	4630067
Barium (Ba)	ppm	810	50	<50	50	770	50	760	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	85	3	17	3	76	3	75	3	4630067
Cesium (Cs)	ppm	3	1	<1	1	3	1	3	1	4630067
Chromium (Cr)	ppm	69	5	12	5	60	5	63	5	4630067
Cobalt (Co)	ppm	9	1	<1	1	13	1	9	1	4630067
Europium (Eu)	ppm	1.2	0.2	<0.2	0.2	0.9	0.2	1.0	0.2	4630067
Gold (Au)	ppm	0.005	0.002	<0.002	0.002	<0.002	0.002	0.005	0.002	4630067
Hafnium (Hf)	ppm	10	1	3	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30400	100	8600	100	27800	100	27400	100	4630067
Lanthanum (La)	ppm	44.0	0.5	7.8	0.5	38.0	0.5	37.0	0.5	4630067
Lutetium (Lu)	ppm	0.36	0.05	0.07	0.05	0.34	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.1	3.1	<1	1	<2.6	2.6	<2.4	2.4	4630067
Neodymium (Nd)	ppm	27	5	6	5	29	5	25	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	88	15	<15	15	77	15	69	15	4630067
Samarium (Sm)	ppm	6.4	0.1	1.1	0.1	5.6	0.1	5.4	0.1	4630067
Scandium (Sc)	ppm	10.9	0.1	1.0	0.1	10.0	0.1	9.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8800	100	140	100	8300	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	<0.5	0.5	0.7	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	<0.5	0.5	0.8	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	12.0	0.2	2.9	0.2	11.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	<1	1	2	1	2	1	4630067
Uranium (U)	ppm	5.2	0.5	0.7	0.5	4.1	0.5	2.8	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	0.4	0.2	2.3	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	68	50	<50	50	75	50	51	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK931		CXK932		CXK933		CXK934		
Sampling Date										
	UNITS	1760153	RDL	1760154	RDL	1760155	RDL	1760156	RDL	QC Batch
Bromine	ppm	0.8	0.5	0.9	0.5	0.7	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.8	0.1	1.3	0.1	1.6	0.1	3.8	0.1	4630067
Arsenic (As)	ppm	16.0	0.5	12.0	0.5	14.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	980	50	840	50	940	50	690	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	76	3	72	3	85	3	93	3	4630067
Cesium (Cs)	ppm	4	1	3	1	3	1	6	1	4630067
Chromium (Cr)	ppm	69	5	62	5	72	5	77	5	4630067
Cobalt (Co)	ppm	12	1	8	1	11	1	4	1	4630067
Europium (Eu)	ppm	1.0	0.2	1.1	0.2	1.2	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.037	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	8	1	10	1	11	1	18	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	32600	100	26000	100	30000	100	23500	100	4630067
Lanthanum (La)	ppm	38.0	0.5	37.0	0.5	42.0	0.5	44.0	0.5	4630067
Lutetium (Lu)	ppm	0.33	0.05	0.35	0.05	0.40	0.05	0.46	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<2.2	2.2	<2.5	2.5	4	1	4630067
Neodymium (Nd)	ppm	27	5	28	5	32	5	32	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	83	15	56	15	68	15	77	15	4630067
Samarium (Sm)	ppm	5.5	0.1	5.5	0.1	6.6	0.1	6.0	0.1	4630067
Scandium (Sc)	ppm	10.8	0.1	10.0	0.1	10.6	0.1	9.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9000	100	10000	100	9500	100	6000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.5	<0.5	0.5	1.0	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.6	0.5	0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	10.0	0.2	12.0	0.2	18.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	1	1	2	1	2	1	4630067
Uranium (U)	ppm	4.7	0.5	3.3	0.5	4.1	0.5	4.4	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.5	0.2	2.7	0.2	2.9	0.2	4630067
Zinc (Zn)	ppm	85	50	68	50	70	50	<50	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK935		CXK936		CXK937		CXK938		
Sampling Date										
	UNITS	1760157	RDL	1760158	RDL	1760159	RDL	1760160	RDL	QC Batch
Bromine	ppm	3.9	0.5	2.3	0.5	1.7	0.5	1.2	0.5	4630067
Antimony (Sb)	ppm	1.4	0.1	1.1	0.1	1.3	0.1	2.0	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	12.0	0.5	16.0	0.5	14.0	0.5	4630067
Barium (Ba)	ppm	960	50	860	50	780	50	980	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	78	3	69	3	81	3	95	3	4630067
Cesium (Cs)	ppm	3	1	3	1	3	1	3	1	4630067
Chromium (Cr)	ppm	79	5	70	5	67	5	76	5	4630067
Cobalt (Co)	ppm	12	1	9	1	13	1	13	1	4630067
Europium (Eu)	ppm	1.4	0.2	1.0	0.2	1.1	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	0.007	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	7	1	10	1	11	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	35900	100	27900	100	29600	100	32800	100	4630067
Lanthanum (La)	ppm	37.0	0.5	34.0	0.5	42.0	0.5	48.0	0.5	4630067
Lutetium (Lu)	ppm	0.42	0.05	0.37	0.05	0.38	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<2.2	2.2	<2.4	2.4	<2.6	2.6	4630067
Neodymium (Nd)	ppm	33	5	27	5	30	5	35	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	61	15	69	15	52	15	93	15	4630067
Samarium (Sm)	ppm	6.8	0.1	5.2	0.1	6.0	0.1	7.0	0.1	4630067
Scandium (Sc)	ppm	13.8	0.1	10.2	0.1	10.4	0.1	12.7	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	11500	100	10000	100	10100	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	0.6	0.5	1.5	0.5	0.6	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.8	0.5	0.6	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	9.3	0.2	10.0	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	3	1	4630067
Uranium (U)	ppm	3.5	0.5	3.3	0.5	3.3	0.5	3.2	0.5	4630067
Ytterbium (Yb)	ppm	3.0	0.2	2.5	0.2	2.7	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	93	50	65	50	69	50	100	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK939		CXK940	CXK941		CXK942		CXK943		
Sampling Date											
	UNITS	1760161	RDL	1760162	1760163	RDL	1760164	RDL	1760165	RDL	QC Batch
Bromine	ppm	0.8	0.5	3.3	1.5	0.5	1.1	0.5	1.8	0.5	4630067
Antimony (Sb)	ppm	1.7	0.1	1.5	3.5	0.1	0.9	0.1	1.5	0.1	4630067
Arsenic (As)	ppm	18.0	0.5	16.0	18.0	0.5	22.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	1100	50	900	1000	50	920	50	830	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	110	3	74	85	3	140	3	62	3	4630067
Cesium (Cs)	ppm	4	1	3	4	1	5	1	2	1	4630067
Chromium (Cr)	ppm	89	5	79	76	5	120	5	67	5	4630067
Cobalt (Co)	ppm	17	1	14	12	1	26	1	10	1	4630067
Europium (Eu)	ppm	1.4	0.2	1.0	1.3	0.2	1.6	0.2	1.0	0.2	4630067
Gold (Au)	ppm	0.004	0.002	<0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	8	9	1	9	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	39100	100	34700	32100	100	62400	100	28600	100	4630067
Lanthanum (La)	ppm	54.3	0.5	35.0	42.0	0.5	67.7	0.5	31.0	0.5	4630067
Lutetium (Lu)	ppm	0.44	0.05	0.35	0.38	0.05	0.50	0.05	0.30	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.9	2.9	<2.5	<2.5	2.5	<3.7	3.7	<2.3	2.3	4630067
Neodymium (Nd)	ppm	41	5	26	30	5	53	5	23	5	4630067
Nickel (Ni)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	120	15	62	77	15	110	15	52	15	4630067
Samarium (Sm)	ppm	7.7	0.1	5.5	6.4	0.1	10.0	0.1	4.5	0.1	4630067
Scandium (Sc)	ppm	14.4	0.1	12.4	11.7	0.1	20.3	0.1	8.5	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9300	100	11000	10000	100	11900	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.5	0.5	0.5	0.9	0.5	1.3	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.8	0.7	0.5	0.8	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	16.0	0.2	11.0	12.0	0.2	22.0	0.2	8.6	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	2	1	3	1	1	1	4630067
Uranium (U)	ppm	4.0	0.5	3.3	3.0	0.5	4.6	0.5	2.3	0.5	4630067
Ytterbium (Yb)	ppm	3.0	0.2	2.4	2.7	0.2	3.4	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	91	50	83	67	50	150	50	91	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK944		CXK945		CXK946		CXK947		
Sampling Date										
	UNITS	1760166	RDL	1760167	RDL	1760168	RDL	1760169	RDL	QC Batch
Bromine	ppm	1.2	0.5	<0.5	0.5	<0.5	0.5	3.2	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	1.6	0.1	2.0	0.1	0.9	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	15.0	0.5	14.0	0.5	57.2	0.5	4630067
Barium (Ba)	ppm	840	50	1200	50	1400	50	1000	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	69	3	79	3	70	3	91	3	4630067
Cesium (Cs)	ppm	3	1	3	1	3	1	4	1	4630067
Chromium (Cr)	ppm	68	5	79	5	86	5	86	5	4630067
Cobalt (Co)	ppm	10	1	12	1	11	1	10	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.2	0.2	1.1	0.2	1.3	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	0.005	0.002	0.008	0.002	4630067
Hafnium (Hf)	ppm	9	1	8	1	7	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	29100	100	34800	100	32900	100	33900	100	4630067
Lanthanum (La)	ppm	34.0	0.5	40.0	0.5	36.0	0.5	45.0	0.5	4630067
Lutetium (Lu)	ppm	0.33	0.05	0.40	0.05	0.33	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.4	2.4	<2.6	2.6	<2.5	2.5	<3.1	3.1	4630067
Neodymium (Nd)	ppm	27	5	32	5	28	5	33	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	65	15	65	15	79	15	110	15	4630067
Samarium (Sm)	ppm	5.0	0.1	6.5	0.1	5.7	0.1	6.7	0.1	4630067
Scandium (Sc)	ppm	9.4	0.1	13.2	0.1	11.8	0.1	13.7	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10200	100	11400	100	12300	100	9200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	0.5	0.5	0.8	0.5	0.5	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	1.1	0.5	0.9	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	10.0	0.2	9.0	0.2	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	2.5	0.5	3.3	0.5	3.1	0.5	3.7	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.9	0.2	2.3	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	88	50	95	50	120	50	76	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK948		CXK949		CXK950		CXK951		
Sampling Date										
	UNITS	1760170	RDL	1760171	RDL	1760172	RDL	1760173	RDL	QC Batch
Bromine	ppm	<0.5	0.5	1.2	0.5	1.0	0.5	1.8	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	1.2	0.1	1.4	0.1	1.4	0.1	4630067
Arsenic (As)	ppm	24.0	0.5	13.0	0.5	13.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	1200	50	1900	50	1000	50	1000	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	78	3	58	3	58	3	72	3	4630067
Cesium (Cs)	ppm	3	1	10	1	5	1	5	1	4630067
Chromium (Cr)	ppm	74	5	44	5	61	5	78	5	4630067
Cobalt (Co)	ppm	13	1	6	1	9	1	11	1	4630067
Europium (Eu)	ppm	1.0	0.2	0.9	0.2	0.9	0.2	1.3	0.2	4630067
Gold (Au)	ppm	0.008	0.002	<0.002	0.002	0.004	0.002	0.007	0.002	4630067
Hafnium (Hf)	ppm	8	1	6	1	8	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	32900	100	21600	100	27200	100	34300	100	4630067
Lanthanum (La)	ppm	39.0	0.5	31.0	0.5	29.0	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.37	0.05	0.19	0.05	0.29	0.05	0.34	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.9	2.9	<2.6	2.6	3	1	<2.7	2.7	4630067
Neodymium (Nd)	ppm	30	5	20	5	21	5	30	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	78	15	110	15	63	15	64	15	4630067
Samarium (Sm)	ppm	6.0	0.1	4.2	0.1	4.3	0.1	6.3	0.1	4630067
Scandium (Sc)	ppm	11.5	0.1	6.8	0.1	8.2	0.1	12.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10900	100	13500	100	10000	100	10800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.5	0.9	0.5	1.4	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	<0.5	0.5	0.6	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	10.0	0.2	8.6	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	<1	1	<1	1	4630067
Uranium (U)	ppm	3.5	0.5	3.3	0.5	2.7	0.5	3.5	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	1.3	0.2	1.9	0.2	2.5	0.2	4630067
Zinc (Zn)	ppm	89	50	56	50	69	50	77	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK952		CXK953		CXK954		CXK955		
Sampling Date										
	UNITS	1760174	RDL	1760175	RDL	1760176	RDL	1760177	RDL	QC Batch
Bromine	ppm	1.1	0.5	<0.5	0.5	1.5	0.5	0.8	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	2.0	0.1	1.2	0.1	1.6	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	31.0	0.5	15.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	1100	50	340	50	1000	50	1200	50	4630067
Calcium (Ca)	ppm	<10000	10000	14000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	64	3	32	3	55	3	72	3	4630067
Cesium (Cs)	ppm	7	1	10	1	10	1	8	1	4630067
Chromium (Cr)	ppm	69	5	35	5	62	5	68	5	4630067
Cobalt (Co)	ppm	11	1	13	1	7	1	8	1	4630067
Europium (Eu)	ppm	0.9	0.2	0.8	0.2	0.9	0.2	1.3	0.2	4630067
Gold (Au)	ppm	0.003	0.002	0.318	0.002	<0.002	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	8	1	3	1	8	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	32400	100	54000	100	32400	100	27300	100	4630067
Lanthanum (La)	ppm	33.0	0.5	16.0	0.5	28.0	0.5	36.0	0.5	4630067
Lutetium (Lu)	ppm	0.28	0.05	0.25	0.05	0.26	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.2	2.2	20	1	<2.1	2.1	<2.4	2.4	4630067
Neodymium (Nd)	ppm	21	5	13	5	21	5	26	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	80	15	95	15	68	15	63	15	4630067
Samarium (Sm)	ppm	4.6	0.1	3.2	0.1	4.1	0.1	5.8	0.1	4630067
Scandium (Sc)	ppm	10.1	0.1	8.6	0.1	8.4	0.1	10.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	11400	100	7200	100	10300	100	10600	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	0.7	0.5	1.5	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	<0.5	0.5	0.6	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	4.8	0.2	8.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	6	1	2	1	2	1	4630067
Uranium (U)	ppm	3.5	0.5	1.5	0.5	2.9	0.5	4.2	0.5	4630067
Ytterbium (Yb)	ppm	2.1	0.2	1.7	0.2	2.0	0.2	2.5	0.2	4630067
Zinc (Zn)	ppm	89	50	720	50	73	50	86	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK956		CXK957		CXK958		CXK959		
Sampling Date										
	UNITS	1760178	RDL	1760179	RDL	1760180	RDL	1760181	RDL	QC Batch
Bromine	ppm	<0.5	0.5	1.3	0.5	0.7	0.5	0.5	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	1.1	0.1	1.3	0.1	1.4	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	11.0	0.5	12.0	0.5	12.0	0.5	4630067
Barium (Ba)	ppm	740	50	1000	50	1300	50	1500	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	64	3	57	3	73	3	75	3	4630067
Cesium (Cs)	ppm	3	1	5	1	7	1	5	1	4630067
Chromium (Cr)	ppm	48	5	64	5	44	5	63	5	4630067
Cobalt (Co)	ppm	8	1	6	1	8	1	7	1	4630067
Europium (Eu)	ppm	1.0	0.2	0.7	0.2	0.9	0.2	1.6	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.014	0.002	0.031	0.002	4630067
Hafnium (Hf)	ppm	9	1	8	1	8	1	11	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	22300	100	26600	100	23000	100	26800	100	4630067
Lanthanum (La)	ppm	32.0	0.5	29.0	0.5	35.0	0.5	37.0	0.5	4630067
Lutetium (Lu)	ppm	0.31	0.05	0.29	0.05	0.26	0.05	0.37	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.1	2.1	<2.2	2.2	<2.4	2.4	4630067
Neodymium (Nd)	ppm	22	5	22	5	24	5	27	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	29	15	62	15	91	15	91	15	4630067
Samarium (Sm)	ppm	5.3	0.1	4.1	0.1	5.4	0.1	6.7	0.1	4630067
Scandium (Sc)	ppm	7.7	0.1	8.5	0.1	8.4	0.1	10.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	10000	100	11300	100	11800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.5	0.5	0.9	0.5	1.7	0.5	<0.5	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.7	0.5	0.5	0.5	0.9	0.5	4630067
Thorium (Th)	ppm	8.6	0.2	8.0	0.2	12.0	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	1	1	2	1	2	1	4630067
Uranium (U)	ppm	2.7	0.5	2.7	0.5	4.0	0.5	4.3	0.5	4630067
Ytterbium (Yb)	ppm	2.2	0.2	2.1	0.2	1.8	0.2	2.5	0.2	4630067
Zinc (Zn)	ppm	60	50	51	50	75	50	67	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK960		CXK961		CXK962		CXK963		
Sampling Date										
	UNITS	1760182	RDL	1760183	RDL	1760184	RDL	1760185	RDL	QC Batch
Bromine	ppm	1.1	0.5	1.0	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.0	0.1	1.8	0.1	2.1	0.1	1.1	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	12.0	0.5	12.0	0.5	9.4	0.5	4630067
Barium (Ba)	ppm	1200	50	1100	50	1200	50	1100	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	67	3	71	3	80	3	69	3	4630067
Cesium (Cs)	ppm	6	1	6	1	6	1	4	1	4630067
Chromium (Cr)	ppm	53	5	59	5	65	5	60	5	4630067
Cobalt (Co)	ppm	11	1	8	1	9	1	9	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.1	0.2	1.3	0.2	0.9	0.2	4630067
Gold (Au)	ppm	0.004	0.002	0.004	0.002	0.004	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	21600	100	25800	100	26800	100	22300	100	4630067
Lanthanum (La)	ppm	33.0	0.5	36.0	0.5	41.0	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.32	0.05	0.30	0.05	0.34	0.05	0.33	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	2.6	<2.5	2.5	<2.3	2.3	<2.6	2.6	4630067
Neodymium (Nd)	ppm	23	5	25	5	29	5	24	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	48	15	70	15	90	15	55	15	4630067
Samarium (Sm)	ppm	5.5	0.1	5.5	0.1	6.2	0.1	5.4	0.1	4630067
Scandium (Sc)	ppm	8.7	0.1	9.3	0.1	10.6	0.1	8.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9100	100	10000	100	10200	100	10200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.4	0.5	1.3	0.5	0.7	0.5	0.7	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	<0.5	0.5	0.7	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	9.1	0.2	10.0	0.2	12.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	4.9	0.5	3.7	0.5	3.6	0.5	6.3	0.5	4630067
Ytterbium (Yb)	ppm	2.2	0.2	2.1	0.2	2.4	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	<50	50	66	50	83	50	54	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK964		CXK965		CXK966		CXK967		
Sampling Date										
	UNITS	1760186	RDL	1760187	RDL	1760188	RDL	1760189	RDL	QC Batch
Bromine	ppm	1.2	0.5	0.5	0.5	1.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.1	0.1	1.9	0.1	1.2	0.1	5.8	0.1	4630067
Arsenic (As)	ppm	8.7	0.5	12.0	0.5	17.0	0.5	24.0	0.5	4630067
Barium (Ba)	ppm	1100	50	870	50	700	50	960	50	4630067
Calcium (Ca)	ppm	11000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	63	3	80	3	60	3	96	3	4630067
Cesium (Cs)	ppm	4	1	3	1	5	1	6	1	4630067
Chromium (Cr)	ppm	62	5	56	5	58	5	77	5	4630067
Cobalt (Co)	ppm	10	1	8	1	8	1	11	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.0	0.2	0.8	0.2	1.3	0.2	4630067
Gold (Au)	ppm	0.005	0.002	0.010	0.002	0.009	0.002	0.010	0.002	4630067
Hafnium (Hf)	ppm	7	1	9	1	10	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	24400	100	27400	100	29000	100	36400	100	4630067
Lanthanum (La)	ppm	31.0	0.5	40.0	0.5	30.0	0.5	49.0	0.5	4630067
Lutetium (Lu)	ppm	0.33	0.05	0.36	0.05	0.32	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	3	1	<2.2	2.2	<2.1	2.1	<2.6	2.6	4630067
Neodymium (Nd)	ppm	23	5	29	5	20	5	36	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	43	15	78	15	56	15	130	15	4630067
Samarium (Sm)	ppm	5.1	0.1	6.2	0.1	4.5	0.1	7.2	0.1	4630067
Scandium (Sc)	ppm	10.3	0.1	10.0	0.1	7.8	0.1	12.9	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	8600	100	8900	100	8600	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.3	0.5	0.6	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.6	0.5	0.7	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	8.4	0.2	11.0	0.2	8.3	0.2	15.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	2	1	1	1	2	1	4630067
Uranium (U)	ppm	4.4	0.5	2.5	0.5	2.8	0.5	3.0	0.5	4630067
Ytterbium (Yb)	ppm	2.2	0.2	2.5	0.2	2.2	0.2	2.7	0.2	4630067
Zinc (Zn)	ppm	62	50	75	50	69	50	86	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK968		CXK969		CXK970		CXK971		
Sampling Date										
	UNITS	1760190	RDL	1760191	RDL	1760192	RDL	1760193	RDL	QC Batch
Bromine	ppm	0.6	0.5	0.6	0.5	1.1	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.3	0.1	2.2	0.1	1.9	0.1	1.3	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	14.0	0.5	15.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	920	50	810	50	930	50	860	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	84	3	73	3	71	3	70	3	4630067
Cesium (Cs)	ppm	4	1	3	1	3	1	4	1	4630067
Chromium (Cr)	ppm	66	5	59	5	64	5	57	5	4630067
Cobalt (Co)	ppm	8	1	8	1	9	1	6	1	4630067
Europium (Eu)	ppm	1.4	0.2	1.2	0.2	1.1	0.2	1.1	0.2	4630067
Gold (Au)	ppm	0.005	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	10	1	11	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27600	100	25800	100	26200	100	21700	100	4630067
Lanthanum (La)	ppm	42.0	0.5	36.0	0.5	35.0	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.37	0.05	0.32	0.05	0.35	0.05	0.34	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.4	2.4	<2.2	2.2	3	1	<2.4	2.4	4630067
Neodymium (Nd)	ppm	32	5	24	5	29	5	24	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	82	15	61	15	54	15	58	15	4630067
Samarium (Sm)	ppm	6.4	0.1	5.5	0.1	5.6	0.1	5.3	0.1	4630067
Scandium (Sc)	ppm	10.5	0.1	9.3	0.1	10.0	0.1	8.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	10000	100	10000	100	9100	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	<0.5	0.5	1.1	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.6	0.5	1.1	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	10.0	0.2	10.0	0.2	9.4	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	1	1	4630067
Uranium (U)	ppm	3.2	0.5	3.3	0.5	3.9	0.5	3.2	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	2.3	0.2	2.4	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	74	50	57	50	53	50	<50	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK972		CXK973		CXK974	CXK975		CXK976		
Sampling Date											
	UNITS	1760194	RDL	1760195	RDL	1760196	1760197	RDL	1760198	RDL	QC Batch
Bromine	ppm	0.9	0.5	2.0	0.5	3.4	0.6	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	1.6	0.1	1.7	1.3	0.1	2.8	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	8.9	0.5	10.0	16.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	1100	50	990	50	920	1200	50	870	50	4630067
Calcium (Ca)	ppm	<10000	10000	12000	10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	64	3	67	3	62	140	3	89	3	4630067
Cesium (Cs)	ppm	18	1	8	1	7	24	1	4	1	4630067
Chromium (Cr)	ppm	49	5	56	5	46	110	5	75	5	4630067
Cobalt (Co)	ppm	12	1	9	1	6	13	1	8	1	4630067
Europium (Eu)	ppm	1.4	0.2	1.2	0.2	1.2	1.9	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.007	0.002	0.010	0.002	4630067
Hafnium (Hf)	ppm	8	1	7	1	7	10	1	13	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	24300	100	21100	100	21300	39600	100	29800	100	4630067
Lanthanum (La)	ppm	32.0	0.5	33.0	0.5	31.0	71.4	0.5	44.0	0.5	4630067
Lutetium (Lu)	ppm	0.29	0.05	0.29	0.05	0.27	0.50	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.4	3.4	<4	4	<4.2	<4.2	4.2	<3.1	3.1	4630067
Neodymium (Nd)	ppm	23	5	22	5	26	49	5	29	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	72	15	68	15	69	220	15	80	15	4630067
Samarium (Sm)	ppm	5.4	0.1	5.3	0.1	5.0	10.5	0.1	6.9	0.1	4630067
Scandium (Sc)	ppm	8.6	0.1	9.1	0.1	8.2	18.3	0.1	10.9	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8000	100	7800	100	7100	5200	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.5	0.6	0.5	1.3	1.5	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.7	0.5	0.5	1.1	0.5	0.9	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	10.0	0.2	9.3	22.0	0.2	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	3	1	2	1	4630067
Uranium (U)	ppm	7.8	0.5	10.0	0.5	10.0	6.6	0.5	4.1	0.5	4630067
Ytterbium (Yb)	ppm	2.0	0.2	2.1	0.2	2.0	3.2	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	99	50	66	50	64	150	50	100	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK977		CXK978		CXK979		CXK980		
Sampling Date										
	UNITS	1760199	RDL	1760200	RDL	1760201	RDL	1760202	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	3.1	0.1	0.2	0.1	4.0	0.1	3.2	0.1	4630067
Arsenic (As)	ppm	16.0	0.5	0.8	0.5	18.0	0.5	17.0	0.5	4630067
Barium (Ba)	ppm	900	50	<50	50	720	50	790	50	4630067
Calcium (Ca)	ppm	10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	96	3	19	3	100	3	99	3	4630067
Cesium (Cs)	ppm	4	1	<1	1	4	1	5	1	4630067
Chromium (Cr)	ppm	85	5	13	5	73	5	78	5	4630067
Cobalt (Co)	ppm	8	1	<1	1	9	1	10	1	4630067
Europium (Eu)	ppm	1.7	0.2	0.2	0.2	1.5	0.2	1.2	0.2	4630067
Gold (Au)	ppm	0.008	0.002	<0.002	0.002	0.004	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	15	1	3	1	12	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	31400	100	8500	100	30800	100	32800	100	4630067
Lanthanum (La)	ppm	46.0	0.5	6.8	0.5	46.0	0.5	44.0	0.5	4630067
Lutetium (Lu)	ppm	0.42	0.05	0.06	0.05	0.40	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.2	3.2	<1	1	<3.2	3.2	<3.5	3.5	4630067
Neodymium (Nd)	ppm	34	5	7	5	37	5	37	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	83	15	<15	15	92	15	98	15	4630067
Samarium (Sm)	ppm	7.6	0.1	1.2	0.1	7.7	0.1	7.7	0.1	4630067
Scandium (Sc)	ppm	11.7	0.1	1.0	0.1	11.3	0.1	13.1	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10300	100	110	100	8700	100	8200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.3	0.5	<0.5	0.5	1.7	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	1.0	0.5	<0.5	0.5	0.6	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	14.0	0.2	3.0	0.2	15.0	0.2	16.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	3	1	<1	1	3	1	2	1	4630067
Uranium (U)	ppm	4.4	0.5	0.6	0.5	4.0	0.5	5.4	0.5	4630067
Ytterbium (Yb)	ppm	3.0	0.2	0.4	0.2	3.0	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	110	50	<50	50	93	50	93	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK981		CXK982		CXK983	CXK984	CXK985	CXK986		
Sampling Date											
	UNITS	1760203	RDL	1760204	RDL	1760205	1760206	1760207	1760208	RDL	QC Batch
Bromine	ppm	0.7	0.5	<0.5	0.5	0.9	<0.5	0.6	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.1	0.1	0.3	0.1	1.0	1.0	1.5	1.1	0.1	4630067
Arsenic (As)	ppm	16.0	0.5	1.0	0.5	12.0	12.0	12.0	12.0	0.5	4630067
Barium (Ba)	ppm	700	50	560	50	600	790	510	740	50	4630067
Calcium (Ca)	ppm	<10000	10000	43000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	84	3	28	3	68	64	68	58	3	4630067
Cesium (Cs)	ppm	3	1	<1	1	2	3	1	2	1	4630067
Chromium (Cr)	ppm	73	5	18	5	55	65	42	57	5	4630067
Cobalt (Co)	ppm	10	1	12	1	6	6	7	6	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.2	0.2	1.1	1.1	1.1	1.0	0.2	4630067
Gold (Au)	ppm	0.004	0.002	<0.005	0.005	0.007	<0.002	0.005	0.082	0.002	4630067
Hafnium (Hf)	ppm	10	1	5	1	9	9	9	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30500	100	43800	100	23100	25000	20600	22200	100	4630067
Lanthanum (La)	ppm	35.0	0.5	12.0	0.5	28.0	26.0	27.0	26.0	0.5	4630067
Lutetium (Lu)	ppm	0.39	0.05	0.37	0.05	0.30	0.30	0.28	0.31	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.2	3.2	<1	1	<1	<1	<1	<1	1	4630067
Neodymium (Nd)	ppm	30	5	17	5	27	24	26	21	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	130	<100	<100	<100	100	4630067
Rubidium (Rb)	ppm	61	15	21	15	46	55	40	40	15	4630067
Samarium (Sm)	ppm	6.7	0.1	4.7	0.1	5.3	4.9	5.2	4.9	0.1	4630067
Scandium (Sc)	ppm	11.2	0.1	23.4	0.1	8.3	9.3	7.2	8.3	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	<5	<5	5	4630067
Sodium (Na)	ppm	9100	100	24800	100	9100	10200	8000	9300	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	<500	<500	500	4630067
Tantalum (Ta)	ppm	0.6	0.5	1.1	0.5	0.8	<0.5	1.0	<0.5	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	<0.5	0.5	0.7	0.9	0.6	0.8	0.5	4630067
Thorium (Th)	ppm	13.0	0.2	2.8	0.2	9.3	8.5	10.0	8.2	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	<100	<100	100	4630067
Tungsten (W)	ppm	2	1	9	1	1	2	1	2	1	4630067
Uranium (U)	ppm	6.2	0.5	0.7	0.5	2.4	2.6	2.2	2.6	0.5	4630067
Ytterbium (Yb)	ppm	2.8	0.2	2.9	0.2	2.2	2.3	1.9	2.2	0.2	4630067
Zinc (Zn)	ppm	75	50	170	50	70	69	61	55	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK987		CXK988		CXK989		CXK990		
Sampling Date										
	UNITS	1760209	RDL	1760210	RDL	1760211	RDL	1760212	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	1.8	0.5	0.8	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	1.7	0.1	1.4	0.1	1.0	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	14.0	0.5	11.0	0.5	7.6	0.5	4630067
Barium (Ba)	ppm	450	50	700	50	660	50	330	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	58	3	63	3	71	3	53	3	4630067
Cesium (Cs)	ppm	1	1	2	1	4	1	2	1	4630067
Chromium (Cr)	ppm	43	5	56	5	56	5	31	5	4630067
Cobalt (Co)	ppm	7	1	7	1	7	1	5	1	4630067
Europium (Eu)	ppm	1.1	0.2	1.0	0.2	1.2	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.004	0.002	<0.002	0.002	0.003	0.002	4630067
Hafnium (Hf)	ppm	7	1	9	1	9	1	7	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	20300	100	24000	100	24800	100	13700	100	4630067
Lanthanum (La)	ppm	25.0	0.5	28.0	0.5	32.0	0.5	23.0	0.5	4630067
Lutetium (Lu)	ppm	0.25	0.05	0.30	0.05	0.30	0.05	0.25	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.6	2.6	<2.9	2.9	<2.3	2.3	4630067
Neodymium (Nd)	ppm	20	5	25	5	26	5	18	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	44	15	47	15	62	15	36	15	4630067
Samarium (Sm)	ppm	4.5	0.1	5.1	0.1	5.4	0.1	3.9	0.1	4630067
Scandium (Sc)	ppm	6.6	0.1	8.1	0.1	8.5	0.1	5.1	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	7100	100	9200	100	7900	100	6100	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	0.9	0.5	0.7	0.5	1.0	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.6	0.5	<0.5	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	8.9	0.2	9.3	0.2	10.0	0.2	7.4	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	2	1	1	1	1	1	4630067
Uranium (U)	ppm	1.8	0.5	2.2	0.5	4.5	0.5	2.7	0.5	4630067
Ytterbium (Yb)	ppm	1.8	0.2	2.1	0.2	2.2	0.2	1.7	0.2	4630067
Zinc (Zn)	ppm	<50	50	59	50	68	50	<50	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK991	CXK992		CXK993		CXK994		CXK995		
Sampling Date											
	UNITS	1760213	1760214	RDL	1760215	RDL	1760216	RDL	1760217	RDL	QC Batch
Bromine	ppm	1.4	<0.5	0.5	<0.5	0.5	1.0	0.5	0.9	0.5	4630067
Antimony (Sb)	ppm	1.4	1.2	0.1	1.3	0.1	1.4	0.1	1.7	0.1	4630067
Arsenic (As)	ppm	11.0	11.0	0.5	11.0	0.5	14.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	590	670	50	600	50	480	50	800	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	66	64	3	59	3	61	3	86	3	4630067
Cesium (Cs)	ppm	2	2	1	2	1	2	1	3	1	4630067
Chromium (Cr)	ppm	50	58	5	49	5	41	5	69	5	4630067
Cobalt (Co)	ppm	7	6	1	6	1	6	1	9	1	4630067
Europium (Eu)	ppm	1.1	1.0	0.2	0.9	0.2	1.0	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	<0.002	0.002	0.032	0.002	0.006	0.002	0.005	0.002	4630067
Hafnium (Hf)	ppm	10	11	1	9	1	8	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	21500	21200	100	22100	100	20700	100	27100	100	4630067
Lanthanum (La)	ppm	29.0	28.0	0.5	27.0	0.5	28.0	0.5	40.0	0.5	4630067
Lutetium (Lu)	ppm	0.31	0.31	0.05	0.29	0.05	0.24	0.05	0.37	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	<2.6	2.6	<1	1	<2.3	2.3	<3.2	3.2	4630067
Neodymium (Nd)	ppm	23	25	5	23	5	20	5	32	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	50	47	15	39	15	42	15	67	15	4630067
Samarium (Sm)	ppm	5.0	4.9	0.1	4.7	0.1	4.5	0.1	6.4	0.1	4630067
Scandium (Sc)	ppm	7.0	7.4	0.1	7.5	0.1	6.3	0.1	10.0	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	7500	8700	100	8000	100	7100	100	9100	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.9	0.5	0.9	0.5	1.1	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	0.6	0.6	0.5	<0.5	0.5	<0.5	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	9.4	8.8	0.2	8.5	0.2	8.6	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	1	<1	1	<1	1	2	1	4630067
Uranium (U)	ppm	3.0	2.2	0.5	2.5	0.5	1.9	0.5	2.8	0.5	4630067
Ytterbium (Yb)	ppm	2.0	2.1	0.2	2.0	0.2	1.8	0.2	2.5	0.2	4630067
Zinc (Zn)	ppm	58	51	50	64	50	52	50	79	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXK996		CXK997		CXK998	CXK999		CXL000		
Sampling Date											
	UNITS	1760218	RDL	1760219	RDL	1760220	1760221	RDL	1760222	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	1.1	1.8	0.5	0.8	0.5	4630067
Antimony (Sb)	ppm	1.5	0.1	1.5	0.1	1.7	1.5	0.1	1.3	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	13.0	0.5	13.0	12.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	670	50	560	50	980	1000	50	740	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	10000	13000	10000	4630067
Cerium (Ce)	ppm	72	3	64	3	90	84	3	67	3	4630067
Cesium (Cs)	ppm	2	1	2	1	4	3	1	2	1	4630067
Chromium (Cr)	ppm	56	5	49	5	72	68	5	64	5	4630067
Cobalt (Co)	ppm	7	1	6	1	12	10	1	9	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.1	0.2	1.6	1.5	0.2	1.2	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.006	0.002	0.006	0.005	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	9	1	8	1	9	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	25800	100	23200	100	30500	27000	100	25100	100	4630067
Lanthanum (La)	ppm	34.0	0.5	31.0	0.5	42.0	40.0	0.5	31.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.05	0.29	0.05	0.39	0.40	0.05	0.33	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.7	2.7	<3.4	<3.4	3.4	<2.7	2.7	4630067
Neodymium (Nd)	ppm	31	5	24	5	34	33	5	25	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	62	15	42	15	74	66	15	49	15	4630067
Samarium (Sm)	ppm	5.7	0.1	5.1	0.1	7.0	6.6	0.1	5.2	0.1	4630067
Scandium (Sc)	ppm	8.7	0.1	7.6	0.1	11.3	10.6	0.1	8.8	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8300	100	8100	100	9400	9200	100	9300	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.4	0.5	0.9	0.5	0.8	0.7	0.5	0.6	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.8	0.5	0.8	0.9	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	10.0	0.2	12.0	11.0	0.2	9.1	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	2	1	2	1	4630067
Uranium (U)	ppm	2.9	0.5	2.5	0.5	3.4	3.7	0.5	2.0	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	2.1	0.2	2.6	2.8	0.2	2.2	0.2	4630067
Zinc (Zn)	ppm	60	50	53	50	71	70	50	68	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL001	CXL002		CXL003		CXL004		CXL005		
Sampling Date											
	UNITS	1760223	1760224	RDL	1760225	RDL	1760226	RDL	1760227	RDL	QC Batch
Bromine	ppm	1.0	3.6	0.5	<0.5	0.5	2.1	0.5	0.7	0.5	4630067
Antimony (Sb)	ppm	2.3	1.5	0.1	0.4	0.1	1.7	0.1	3.3	0.1	4630067
Arsenic (As)	ppm	21.0	11.0	0.5	1.6	0.5	8.6	0.5	29.0	0.5	4630067
Barium (Ba)	ppm	1200	770	50	570	50	660	50	1700	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	46000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	75	71	3	32	3	81	3	78	3	4630067
Cesium (Cs)	ppm	4	4	1	<1	1	3	1	7	1	4630067
Chromium (Cr)	ppm	87	56	5	20	5	56	5	110	5	4630067
Cobalt (Co)	ppm	13	7	1	14	1	8	1	17	1	4630067
Europium (Eu)	ppm	1.3	1.0	0.2	1.0	0.2	1.1	0.2	1.2	0.2	4630067
Gold (Au)	ppm	0.005	0.006	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	7	8	1	4	1	15	1	5	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	32600	23500	100	46000	100	21500	100	45600	100	4630067
Lanthanum (La)	ppm	35.0	33.0	0.5	14.0	0.5	38.0	0.5	37.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.32	0.05	0.44	0.05	0.40	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.2	<3.2	3.2	<1	1	<3.2	3.2	<3.6	3.6	4630067
Neodymium (Nd)	ppm	30	29	5	22	5	31	5	28	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	89	69	15	28	15	52	15	140	15	4630067
Samarium (Sm)	ppm	5.9	5.3	0.1	4.6	0.1	6.1	0.1	6.0	0.1	4630067
Scandium (Sc)	ppm	12.8	8.6	0.1	22.6	0.1	7.9	0.1	16.9	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8200	7400	100	24900	100	7300	100	6600	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	1.1	0.5	<0.5	0.5	1.4	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.8	0.8	0.5	1.0	0.5	0.6	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	12.0	10.0	0.2	2.7	0.2	11.0	0.2	14.0	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	<1	1	8	1	3	1	3	1	4630067
Uranium (U)	ppm	3.4	3.6	0.5	1.0	0.5	4.2	0.5	2.7	0.5	4630067
Ytterbium (Yb)	ppm	2.4	2.1	0.2	3.0	0.2	2.6	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	100	68	50	130	50	63	50	160	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL006		CXL007		CXL008		CXL009		CXL010		
Sampling Date												
	UNITS	1760228	RDL	1760229	RDL	1760230	RDL	1760301	RDL	1760302	RDL	QC Batch
Bromine	ppm	1.6	0.5	3.0	0.5	<0.5	0.5	0.6	0.5	1.4	0.5	4630067
Antimony (Sb)	ppm	3.0	0.1	3.0	0.1	3.5	0.1	1.2	0.1	1.4	0.1	4630067
Arsenic (As)	ppm	30.0	0.5	30.0	0.5	32.0	0.5	11.0	0.5	14.0	0.5	4630067
Barium (Ba)	ppm	1500	50	1400	50	1700	50	970	50	830	50	4630067
Calcium (Ca)	ppm	12000	10000	<10000	10000	13000	10000	11000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	75	3	71	3	79	3	67	3	71	3	4630067
Cesium (Cs)	ppm	6	1	5	1	6	1	3	1	3	1	4630067
Chromium (Cr)	ppm	100	5	91	5	110	5	73	5	60	5	4630067
Cobalt (Co)	ppm	15	1	15	1	17	1	7	1	8	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.3	0.2	1.4	0.2	1.0	0.2	1.2	0.2	4630067
Gold (Au)	ppm	0.007	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	0.004	0.002	4630067
Hafnium (Hf)	ppm	6	1	5	1	5	1	11	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	42000	100	38400	100	46000	100	26300	100	27100	100	4630067
Lanthanum (La)	ppm	35.0	0.5	33.0	0.5	37.0	0.5	32.0	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.34	0.05	0.34	0.05	0.36	0.05	0.39	0.05	0.36	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.6	3.6	<3.5	3.5	<3.7	3.7	<3	3	<2.9	2.9	4630067
Neodymium (Nd)	ppm	29	5	28	5	29	5	25	5	25	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	120	15	110	15	140	15	66	15	52	15	4630067
Samarium (Sm)	ppm	5.7	0.1	5.5	0.1	6.1	0.1	5.0	0.1	5.6	0.1	4630067
Scandium (Sc)	ppm	15.4	0.1	13.9	0.1	17.0	0.1	8.9	0.1	9.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	6500	100	6600	100	7300	100	10500	100	9300	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	0.8	0.5	1.2	0.5	0.8	0.5	1.3	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.6	0.5	1.0	0.5	0.5	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	14.0	0.2	12.0	0.2	14.0	0.2	8.6	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	3	1	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	2.4	0.5	2.7	0.5	2.3	0.5	2.7	0.5	2.7	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.3	0.2	2.4	0.2	2.5	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	140	50	140	50	180	50	91	50	71	50	4630067
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL011		CXL012		CXL013		CXL014		CXL015		
Sampling Date												
	UNITS	1760303	RDL	1760304	RDL	1760305	RDL	1760306	RDL	1760307	RDL	QC Batch
Bromine	ppm	1.1	0.5	1.2	0.5	<0.5	0.5	4.3	0.5	7.6	0.5	4630067
Antimony (Sb)	ppm	3.3	0.1	2.7	0.1	1.8	0.1	2.1	0.1	2.8	0.1	4630067
Arsenic (As)	ppm	15.0	0.5	12.0	0.5	10.0	0.5	12.0	0.5	12.0	0.5	4630067
Barium (Ba)	ppm	750	50	890	50	910	50	980	50	750	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	10000	10000	13000	10000	4630067
Cerium (Ce)	ppm	80	3	110	3	110	3	100	3	90	3	4630067
Cesium (Cs)	ppm	5	1	7	1	9	1	16	1	9	1	4630067
Chromium (Cr)	ppm	62	5	81	5	77	5	80	5	65	5	4630067
Cobalt (Co)	ppm	8	1	10	1	10	1	10	1	11	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.4	0.2	1.6	0.2	1.3	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	0.006	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	11	1	10	1	9	1	9	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26500	100	32400	100	30700	100	30100	100	27500	100	4630067
Lanthanum (La)	ppm	38.0	0.5	50.0	0.5	50.0	0.5	46.0	0.5	40.0	0.5	4630067
Lutetium (Lu)	ppm	0.37	0.05	0.42	0.05	0.40	0.05	0.39	0.05	0.33	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.1	3.1	<3.6	3.6	<4.2	4.2	<4.9	4.9	<4.3	4.3	4630067
Neodymium (Nd)	ppm	30	5	39	5	39	5	38	5	30	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	70	15	120	15	120	15	130	15	84	15	4630067
Samarium (Sm)	ppm	6.1	0.1	7.6	0.1	7.4	0.1	6.9	0.1	6.0	0.1	4630067
Scandium (Sc)	ppm	9.1	0.1	12.3	0.1	12.0	0.1	11.8	0.1	10.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	7700	100	8100	100	7600	100	7200	100	5900	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	1.3	0.5	0.9	0.5	1.4	0.5	0.6	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.8	0.5	0.8	0.5	0.9	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	12.0	0.2	16.0	0.2	16.0	0.2	15.0	0.2	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	2.9	0.5	4.4	0.5	5.9	0.5	8.4	0.5	7.9	0.5	4630067
Ytterbium (Yb)	ppm	2.4	0.2	2.8	0.2	2.6	0.2	2.6	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	67	50	80	50	80	50	71	50	68	50	4630067
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL016		CXL017	CXL018		CXL019		CXL020		
Sampling Date											
	UNITS	1760308	RDL	1760309	1760374	RDL	1760375	RDL	1760376	RDL	QC Batch
Bromine	ppm	<0.5	0.5	0.9	1.6	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.3	0.1	2.5	1.2	0.1	2.1	0.1	0.8	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	16.0	15.0	0.5	31.0	0.5	10.0	0.5	4630067
Barium (Ba)	ppm	660	50	1100	1000	50	320	50	1000	50	4630067
Calcium (Ca)	ppm	<10000	10000	13000	<10000	10000	12000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	67	3	83	74	3	34	3	64	3	4630067
Cesium (Cs)	ppm	2	1	4	8	1	9	1	8	1	4630067
Chromium (Cr)	ppm	52	5	78	68	5	35	5	60	5	4630067
Cobalt (Co)	ppm	7	1	11	10	1	11	1	6	1	4630067
Europium (Eu)	ppm	1.1	0.2	1.3	1.1	0.2	1.2	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	<0.002	0.002	0.296	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	8	1	10	8	1	3	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	20500	100	29800	30200	100	52300	100	26700	100	4630067
Lanthanum (La)	ppm	29.0	0.5	37.0	32.0	0.5	15.0	0.5	29.0	0.5	4630067
Lutetium (Lu)	ppm	0.29	0.05	0.40	0.31	0.05	0.25	0.05	0.30	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<3.6	<3.6	3.6	20	1	<3.6	3.6	4630067
Neodymium (Nd)	ppm	25	5	31	25	5	13	5	23	5	4630067
Nickel (Ni)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	47	15	71	72	15	89	15	79	15	4630067
Samarium (Sm)	ppm	4.8	0.1	6.2	5.1	0.1	3.2	0.1	4.5	0.1	4630067
Scandium (Sc)	ppm	7.5	0.1	11.1	9.2	0.1	8.3	0.1	8.5	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8300	100	8500	10000	100	6900	100	10200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.7	0.5	1.0	1.6	0.5	<0.5	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	0.5	0.5	0.8	0.7	0.5	0.8	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	8.8	0.2	12.0	10.0	0.2	5.2	0.2	8.8	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	2	1	8	1	2	1	4630067
Uranium (U)	ppm	2.1	0.5	2.7	2.6	0.5	1.6	0.5	3.1	0.5	4630067
Ytterbium (Yb)	ppm	1.9	0.2	2.5	2.2	0.2	1.7	0.2	2.0	0.2	4630067
Zinc (Zn)	ppm	61	50	93	100	50	650	50	88	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL021		CXL022		CXL023		CXL024		
Sampling Date										
	UNITS	1760377	RDL	1760378	RDL	1760379	RDL	1760380	RDL	QC Batch
Bromine	ppm	<0.5	0.5	0.5	0.5	0.6	0.5	1.0	0.5	4630067
Antimony (Sb)	ppm	1.1	0.1	1.2	0.1	1.2	0.1	0.9	0.1	4630067
Arsenic (As)	ppm	9.0	0.5	7.3	0.5	13.0	0.5	9.0	0.5	4630067
Barium (Ba)	ppm	1000	50	1300	50	950	50	800	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	11000	10000	4630067
Cerium (Ce)	ppm	60	3	60	3	63	3	66	3	4630067
Cesium (Cs)	ppm	6	1	9	1	4	1	5	1	4630067
Chromium (Cr)	ppm	59	5	58	5	69	5	66	5	4630067
Cobalt (Co)	ppm	5	1	6	1	8	1	7	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.2	0.2	1.0	0.2	1.0	0.2	4630067
Gold (Au)	ppm	0.004	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	7	1	10	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	24500	100	25800	100	29300	100	24200	100	4630067
Lanthanum (La)	ppm	29.0	0.5	29.0	0.5	31.0	0.5	31.0	0.5	4630067
Lutetium (Lu)	ppm	0.32	0.05	0.27	0.05	0.34	0.05	0.34	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.9	2.9	<3.1	3.1	<3	3	<2.8	2.8	4630067
Neodymium (Nd)	ppm	22	5	20	5	22	5	21	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	59	15	79	15	63	15	63	15	4630067
Samarium (Sm)	ppm	4.5	0.1	4.4	0.1	4.7	0.1	4.8	0.1	4630067
Scandium (Sc)	ppm	8.3	0.1	8.7	0.1	9.0	0.1	8.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	11300	100	11400	100	10600	100	10900	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.3	0.5	0.5	0.5	0.8	0.5	<0.5	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	8.0	0.2	9.4	0.2	8.7	0.2	8.1	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	1	1	2	1	4630067
Uranium (U)	ppm	2.6	0.5	3.1	0.5	2.7	0.5	2.8	0.5	4630067
Ytterbium (Yb)	ppm	2.1	0.2	1.8	0.2	2.4	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	85	50	110	50	92	50	73	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL025	CXL026		CXL027		CXL028		CXL029		
Sampling Date											
	UNITS	1760381	1760382	RDL	1760383	RDL	1760384	RDL	1760385	RDL	QC Batch
Bromine	ppm	<0.5	1.0	0.5	1.1	0.5	0.9	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.3	1.2	0.1	1.1	0.1	1.2	0.1	1.1	0.1	4630067
Arsenic (As)	ppm	10.0	10.0	0.5	11.0	0.5	12.0	0.5	50.4	0.5	4630067
Barium (Ba)	ppm	940	1000	50	1000	50	930	50	1000	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	71	65	3	66	3	70	3	62	3	4630067
Cesium (Cs)	ppm	7	8	1	4	1	6	1	17	1	4630067
Chromium (Cr)	ppm	73	55	5	67	5	65	5	46	5	4630067
Cobalt (Co)	ppm	7	6	1	7	1	7	1	4	1	4630067
Europium (Eu)	ppm	1.0	1.1	0.2	1.2	0.2	1.1	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	<0.002	0.002	0.007	0.002	0.012	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	12	10	1	10	1	10	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	25300	22700	100	25300	100	27300	100	21100	100	4630067
Lanthanum (La)	ppm	33.0	30.0	0.5	32.0	0.5	35.0	0.5	28.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.30	0.05	0.32	0.05	0.32	0.05	0.26	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3	<3	3	<2.8	2.8	<2.9	2.9	<2.8	2.8	4630067
Neodymium (Nd)	ppm	25	24	5	25	5	26	5	21	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	68	70	15	70	15	71	15	79	15	4630067
Samarium (Sm)	ppm	5.0	4.6	0.1	4.9	0.1	4.9	0.1	4.0	0.1	4630067
Scandium (Sc)	ppm	8.7	8.0	0.1	8.6	0.1	9.3	0.1	6.7	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	11300	11200	100	10700	100	11500	100	10000	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.9	0.5	1.1	0.5	1.2	0.5	<0.5	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.5	<0.5	0.5	0.7	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	9.5	9.1	0.2	8.7	0.2	10.0	0.2	8.2	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	2	1	2	1	2	1	3	1	4630067
Uranium (U)	ppm	3.0	2.6	0.5	3.1	0.5	3.3	0.5	3.0	0.5	4630067
Ytterbium (Yb)	ppm	2.4	2.0	0.2	2.2	0.2	2.2	0.2	1.7	0.2	4630067
Zinc (Zn)	ppm	90	76	50	77	50	90	50	72	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL030		CXL031		CXL032		CXL033		
Sampling Date										
	UNITS	1760386	RDL	1760387	RDL	1760388	RDL	1760389	RDL	QC Batch
Bromine	ppm	1.0	0.5	0.7	0.5	1.1	0.5	0.6	0.5	4630067
Antimony (Sb)	ppm	1.0	0.1	1.4	0.1	1.8	0.1	1.0	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	16.0	0.5	18.0	0.5	9.3	0.5	4630067
Barium (Ba)	ppm	1100	50	1100	50	1200	50	1100	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	61	3	57	3	73	3	58	3	4630067
Cesium (Cs)	ppm	14	1	6	1	12	1	6	1	4630067
Chromium (Cr)	ppm	69	5	78	5	88	5	69	5	4630067
Cobalt (Co)	ppm	7	1	10	1	11	1	7	1	4630067
Europium (Eu)	ppm	0.9	0.2	1.0	0.2	1.1	0.2	0.9	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.005	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	8	1	8	1	8	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27000	100	33100	100	36500	100	26300	100	4630067
Lanthanum (La)	ppm	30.0	0.5	28.0	0.5	34.0	0.5	27.0	0.5	4630067
Lutetium (Lu)	ppm	0.30	0.05	0.31	0.05	0.32	0.05	0.31	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<2.9	2.9	<3.2	3.2	<2.8	2.8	4630067
Neodymium (Nd)	ppm	21	5	20	5	24	5	23	5	4630067
Nickel (Ni)	ppm	130	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	70	15	65	15	71	15	71	15	4630067
Samarium (Sm)	ppm	4.3	0.1	4.0	0.1	4.9	0.1	4.0	0.1	4630067
Scandium (Sc)	ppm	9.0	0.1	10.0	0.1	12.2	0.1	8.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10500	100	10700	100	10700	100	10300	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.6	0.5	0.6	0.5	0.7	0.5	1.3	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	<0.5	0.5	0.6	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	8.1	0.2	8.7	0.2	10.0	0.2	7.6	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	2	1	1	1	4630067
Uranium (U)	ppm	2.7	0.5	2.9	0.5	3.4	0.5	2.3	0.5	4630067
Ytterbium (Yb)	ppm	2.1	0.2	2.1	0.2	2.3	0.2	2.1	0.2	4630067
Zinc (Zn)	ppm	120	50	80	50	90	50	100	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL034		CXL035		CXL036	CXL037		CXL038		
Sampling Date											
	UNITS	1760390	RDL	1760391	RDL	1760392	1760393	RDL	1760394	RDL	QC Batch
Bromine	ppm	1.4	0.5	1.0	0.5	<0.5	1.1	0.5	1.8	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	1.4	0.1	1.1	1.4	0.1	0.7	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	12.0	0.5	13.0	16.0	0.5	6.2	0.5	4630067
Barium (Ba)	ppm	890	50	1100	50	1100	1200	50	850	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	62	3	54	3	70	73	3	100	3	4630067
Cesium (Cs)	ppm	4	1	17	1	6	5	1	4	1	4630067
Chromium (Cr)	ppm	70	5	62	5	75	69	5	110	5	4630067
Cobalt (Co)	ppm	9	1	6	1	8	6	1	29	1	4630067
Europium (Eu)	ppm	0.9	0.2	0.7	0.2	1.2	1.2	0.2	1.6	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.004	0.002	0.009	0.016	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	8	1	9	9	1	11	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	29500	100	26800	100	29000	26900	100	55200	100	4630067
Lanthanum (La)	ppm	30.0	0.5	26.0	0.5	34.0	35.0	0.5	45.0	0.5	4630067
Lutetium (Lu)	ppm	0.32	0.05	0.27	0.05	0.32	0.35	0.05	0.42	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.9	2.9	<2.8	2.8	<3.2	<3.2	3.2	<4.1	4.1	4630067
Neodymium (Nd)	ppm	28	5	20	5	27	24	5	33	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	63	15	69	15	85	79	15	150	15	4630067
Samarium (Sm)	ppm	4.5	0.1	3.8	0.1	5.0	5.4	0.1	6.9	0.1	4630067
Scandium (Sc)	ppm	8.9	0.1	7.9	0.1	10.0	10.0	0.1	15.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10700	100	10200	100	11100	10200	100	8800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	<0.5	0.5	1.4	0.8	0.5	1.0	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	<0.5	0.5	0.9	0.7	0.5	1.1	0.5	4630067
Thorium (Th)	ppm	8.6	0.2	8.6	0.2	10.0	11.0	0.2	18.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	2	1	2	2	1	2	1	4630067
Uranium (U)	ppm	2.4	0.5	2.6	0.5	3.1	3.0	0.5	4.1	0.5	4630067
Ytterbium (Yb)	ppm	2.2	0.2	1.8	0.2	2.2	2.3	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	87	50	100	50	80	88	50	130	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL039		CXL040		CXL041		CXL042		
Sampling Date										
	UNITS	1760395	RDL	1760396	RDL	1760397	RDL	1760398	RDL	QC Batch
Bromine	ppm	1.5	0.5	1.0	0.5	1.2	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	0.8	0.1	1.0	0.1	1.4	0.1	1.2	0.1	4630067
Arsenic (As)	ppm	8.3	0.5	9.3	0.5	11.0	0.5	10.0	0.5	4630067
Barium (Ba)	ppm	1300	50	1200	50	1100	50	1100	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	140	3	70	3	72	3	78	3	4630067
Cesium (Cs)	ppm	7	1	5	1	5	1	5	1	4630067
Chromium (Cr)	ppm	98	5	65	5	62	5	58	5	4630067
Cobalt (Co)	ppm	13	1	6	1	6	1	5	1	4630067
Europium (Eu)	ppm	2.2	0.2	1.4	0.2	1.1	0.2	1.4	0.2	4630067
Gold (Au)	ppm	0.006	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	9	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	38300	100	23600	100	23800	100	24000	100	4630067
Lanthanum (La)	ppm	70.3	0.5	34.0	0.5	33.0	0.5	36.0	0.5	4630067
Lutetium (Lu)	ppm	0.46	0.05	0.36	0.05	0.34	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<4.3	4.3	<3.3	3.3	<3.2	3.2	<3.4	3.4	4630067
Neodymium (Nd)	ppm	54	5	29	5	24	5	29	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	160	15	76	15	67	15	59	15	4630067
Samarium (Sm)	ppm	10.0	0.1	5.5	0.1	5.1	0.1	5.7	0.1	4630067
Scandium (Sc)	ppm	17.3	0.1	9.1	0.1	8.3	0.1	8.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9100	100	10200	100	9100	100	9100	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.5	0.7	0.5	0.7	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	1.1	0.5	0.8	0.5	0.7	0.5	0.9	0.5	4630067
Thorium (Th)	ppm	20.0	0.2	9.1	0.2	9.2	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	4.6	0.5	3.0	0.5	2.7	0.5	3.7	0.5	4630067
Ytterbium (Yb)	ppm	3.2	0.2	2.5	0.2	2.3	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	95	50	75	50	79	50	67	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL043		CXL044		CXL045		CXL046		
Sampling Date										
	UNITS	1760399	RDL	1760400	RDL	1760412	RDL	1760413	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	0.3	0.1	1.8	0.1	1.9	0.1	4630067
Arsenic (As)	ppm	10.0	0.5	1.2	0.5	16.0	0.5	16.0	0.5	4630067
Barium (Ba)	ppm	1000	50	<50	50	1000	50	1200	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	71	3	19	3	92	3	110	3	4630067
Cesium (Cs)	ppm	5	1	<1	1	5	1	7	1	4630067
Chromium (Cr)	ppm	55	5	13	5	68	5	82	5	4630067
Cobalt (Co)	ppm	5	1	<1	1	10	1	11	1	4630067
Europium (Eu)	ppm	1.1	0.2	<0.2	0.2	1.3	0.2	1.5	0.2	4630067
Gold (Au)	ppm	0.005	0.002	<0.002	0.002	0.006	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	1	4	1	12	1	13	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	24000	100	9300	100	31600	100	34500	100	4630067
Lanthanum (La)	ppm	35.0	0.5	8.3	0.5	45.0	0.5	49.0	0.5	4630067
Lutetium (Lu)	ppm	0.38	0.05	0.07	0.05	0.43	0.05	0.46	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.2	3.2	<1	1	<3.6	3.6	<3.7	3.7	4630067
Neodymium (Nd)	ppm	26	5	10	5	38	5	35	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	56	15	<15	15	79	15	110	15	4630067
Samarium (Sm)	ppm	5.6	0.1	1.3	0.1	7.2	0.1	7.8	0.1	4630067
Scandium (Sc)	ppm	8.2	0.1	1.0	0.1	10.2	0.1	11.8	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9100	100	120	100	10500	100	9000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.5	<0.5	0.5	1.0	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	<0.5	0.5	0.7	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	9.4	0.2	3.2	0.2	13.0	0.2	16.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	<1	1	3	1	3	1	4630067
Uranium (U)	ppm	3.1	0.5	<0.5	0.5	3.8	0.5	4.0	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	0.4	0.2	2.8	0.2	2.9	0.2	4630067
Zinc (Zn)	ppm	88	50	<50	50	85	50	110	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL047		CXL048		CXL049		CXL050		
Sampling Date										
	UNITS	1760414	RDL	1760415	RDL	1760416	RDL	1760417	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	3.4	0.1	1.6	0.1	1.5	0.1	4630067
Arsenic (As)	ppm	17.0	0.5	25.0	0.5	17.0	0.5	17.0	0.5	4630067
Barium (Ba)	ppm	1000	50	1100	50	910	50	710	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	97	3	110	3	81	3	69	3	4630067
Cesium (Cs)	ppm	4	1	9	1	3	1	3	1	4630067
Chromium (Cr)	ppm	74	5	86	5	73	5	68	5	4630067
Cobalt (Co)	ppm	9	1	13	1	10	1	8	1	4630067
Europium (Eu)	ppm	1.5	0.2	1.5	0.2	1.4	0.2	1.1	0.2	4630067
Gold (Au)	ppm	0.010	0.002	<0.002	0.002	0.023	0.002	0.025	0.002	4630067
Hafnium (Hf)	ppm	14	1	9	1	12	1	11	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30300	100	39100	100	29200	100	29500	100	4630067
Lanthanum (La)	ppm	47.0	0.5	53.5	0.5	39.0	0.5	32.0	0.5	4630067
Lutetium (Lu)	ppm	0.48	0.05	0.44	0.05	0.49	0.05	0.37	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.5	3.5	<3.7	3.7	<3.2	3.2	<2.9	2.9	4630067
Neodymium (Nd)	ppm	35	5	40	5	31	5	26	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	88	15	140	15	55	15	60	15	4630067
Samarium (Sm)	ppm	7.4	0.1	8.1	0.1	7.1	0.1	5.0	0.1	4630067
Scandium (Sc)	ppm	10.8	0.1	13.9	0.1	10.5	0.1	8.7	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9200	100	8100	100	10500	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	1.2	0.5	0.8	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.8	0.5	0.7	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	14.0	0.2	18.0	0.2	11.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	2	1	2	1	4630067
Uranium (U)	ppm	4.0	0.5	3.2	0.5	3.1	0.5	2.5	0.5	4630067
Ytterbium (Yb)	ppm	3.0	0.2	2.9	0.2	3.1	0.2	2.4	0.2	4630067
Zinc (Zn)	ppm	82	50	100	50	77	50	72	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL051		CXL052		CXL053		CXL054		
Sampling Date										
	UNITS	1760418	RDL	1760419	RDL	1760420	RDL	1760421	RDL	QC Batch
Bromine	ppm	<0.5	0.5	0.9	0.5	0.9	0.5	1.0	0.5	4630067
Antimony (Sb)	ppm	1.3	0.1	1.7	0.1	1.3	0.1	1.6	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	14.0	0.5	12.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	870	50	1300	50	1200	50	940	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	75	3	84	3	90	3	83	3	4630067
Cesium (Cs)	ppm	3	1	3	1	3	1	3	1	4630067
Chromium (Cr)	ppm	70	5	75	5	80	5	77	5	4630067
Cobalt (Co)	ppm	8	1	10	1	9	1	11	1	4630067
Europium (Eu)	ppm	1.0	0.2	1.4	0.2	1.5	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	9	1	11	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	29100	100	30200	100	31100	100	32700	100	4630067
Lanthanum (La)	ppm	35.0	0.5	41.0	0.5	45.0	0.5	40.0	0.5	4630067
Lutetium (Lu)	ppm	0.36	0.05	0.44	0.05	0.49	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	<3.4	3.4	<3.2	3.2	<3.1	3.1	4630067
Neodymium (Nd)	ppm	29	5	31	5	37	5	32	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	80	15	78	15	79	15	71	15	4630067
Samarium (Sm)	ppm	5.5	0.1	6.6	0.1	7.6	0.1	6.8	0.1	4630067
Scandium (Sc)	ppm	9.5	0.1	10.9	0.1	11.8	0.1	12.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	10000	100	10200	100	10400	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	0.7	0.5	1.3	0.5	0.7	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	1.1	0.5	0.8	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	12.0	0.2	12.0	0.2	13.0	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	3	1	<1	1	4630067
Uranium (U)	ppm	3.0	0.5	4.8	0.5	3.8	0.5	4.1	0.5	4630067
Ytterbium (Yb)	ppm	2.4	0.2	2.9	0.2	3.2	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	90	50	91	50	96	50	84	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL055	CXL056		CXL057		CXL058		CXL059		
Sampling Date											
	UNITS	1760422	1760423	RDL	1760424	RDL	1760425	RDL	1760426	RDL	QC Batch
Bromine	ppm	<0.5	1.3	0.5	0.6	0.5	0.9	0.5	0.9	0.5	4630067
Antimony (Sb)	ppm	1.4	1.0	0.1	1.4	0.1	0.4	0.1	1.7	0.1	4630067
Arsenic (As)	ppm	13.0	22.0	0.5	14.0	0.5	1.7	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	800	870	50	1100	50	540	50	930	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	<10000	10000	52000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	80	72	3	100	3	30	3	72	3	4630067
Cesium (Cs)	ppm	2	4	1	4	1	<1	1	6	1	4630067
Chromium (Cr)	ppm	74	71	5	89	5	16	5	57	5	4630067
Cobalt (Co)	ppm	10	7	1	12	1	14	1	8	1	4630067
Europium (Eu)	ppm	1.2	0.8	0.2	1.7	0.2	1.1	0.2	1.2	0.2	4630067
Gold (Au)	ppm	0.016	<0.002	0.002	0.010	0.002	0.005	0.002	0.007	0.002	4630067
Hafnium (Hf)	ppm	9	10	1	9	1	4	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30400	27700	100	37300	100	46200	100	25300	100	4630067
Lanthanum (La)	ppm	36.0	33.0	0.5	49.0	0.5	14.0	0.5	35.0	0.5	4630067
Lutetium (Lu)	ppm	0.38	0.37	0.05	0.50	0.05	0.45	0.05	0.38	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.9	<2.9	2.9	<3.5	3.5	<3.1	3.1	<2.8	2.8	4630067
Neodymium (Nd)	ppm	30	29	5	38	5	16	5	26	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	60	93	15	100	15	24	15	86	15	4630067
Samarium (Sm)	ppm	5.9	5.1	0.1	8.2	0.1	4.6	0.1	5.9	0.1	4630067
Scandium (Sc)	ppm	11.1	9.5	0.1	14.7	0.1	21.8	0.1	8.8	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10600	10000	100	10400	100	25100	100	9400	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.8	0.5	1.0	0.5	<0.5	0.5	0.7	0.5	4630067
Terbium (Tb)	ppm	0.7	<0.5	0.5	0.9	0.5	0.8	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	10.0	9.5	0.2	15.0	0.2	2.8	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	3	1	3	1	8	1	3	1	4630067
Uranium (U)	ppm	3.1	2.9	0.5	3.6	0.5	1.3	0.5	3.4	0.5	4630067
Ytterbium (Yb)	ppm	2.5	2.4	0.2	3.2	0.2	2.9	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	73	63	50	100	50	160	50	60	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL060		CXL061		CXL062		CXL063		CXL064		
Sampling Date												
	UNITS	1760427	RDL	1760428	RDL	1760429	RDL	1760430	RDL	1760431	RDL	QC Batch
Bromine	ppm	1.1	0.5	1.9	0.5	2.1	0.5	0.7	0.5	0.7	0.5	4630067
Antimony (Sb)	ppm	1.3	0.1	1.0	0.1	1.4	0.1	1.0	0.1	1.3	0.1	4630067
Arsenic (As)	ppm	15.0	0.5	6.8	0.5	5.9	0.5	7.6	0.5	14.0	0.5	4630067
Barium (Ba)	ppm	920	50	990	50	1500	50	1300	50	1100	50	4630067
Calcium (Ca)	ppm	<10000	10000	14000	10000	13000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	100	3	65	3	67	3	66	3	60	3	4630067
Cesium (Cs)	ppm	7	1	6	1	5	1	18	1	7	1	4630067
Chromium (Cr)	ppm	78	5	52	5	50	5	51	5	71	5	4630067
Cobalt (Co)	ppm	11	1	7	1	6	1	3	1	9	1	4630067
Europium (Eu)	ppm	1.5	0.2	1.1	0.2	1.4	0.2	1.4	0.2	1.0	0.2	4630067
Gold (Au)	ppm	0.004	0.002	<0.002	0.002	0.009	0.002	0.009	0.002	0.005	0.002	4630067
Hafnium (Hf)	ppm	10	1	9	1	7	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30400	100	16800	100	18500	100	19400	100	30300	100	4630067
Lanthanum (La)	ppm	47.0	0.5	30.0	0.5	32.0	0.5	33.0	0.5	30.0	0.5	4630067
Lutetium (Lu)	ppm	0.40	0.05	0.32	0.05	0.33	0.05	0.29	0.05	0.32	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.3	3.3	<8	8	<6.7	6.7	<3	3	<2.7	2.7	4630067
Neodymium (Nd)	ppm	34	5	24	5	26	5	25	5	23	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	130	15	65	15	63	15	76	15	78	15	4630067
Samarium (Sm)	ppm	7.3	0.1	5.0	0.1	5.6	0.1	5.3	0.1	4.5	0.1	4630067
Scandium (Sc)	ppm	12.3	0.1	7.7	0.1	8.1	0.1	6.9	0.1	8.9	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	8800	100	9500	100	11500	100	11000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.5	0.5	<0.5	0.5	0.6	0.5	<0.5	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.7	0.5	0.6	0.5	0.5	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	17.0	0.2	8.7	0.2	9.3	0.2	10.0	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	3	1	2	1	1	1	2	1	2	1	4630067
Uranium (U)	ppm	4.6	0.5	23.0	0.5	18.0	0.5	5.2	0.5	3.7	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	2.1	0.2	2.0	0.2	1.8	0.2	2.0	0.2	4630067
Zinc (Zn)	ppm	100	50	52	50	55	50	86	50	80	50	4630067
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL065	CXL066		CXL067		CXL068		CXL069		
Sampling Date											
	UNITS	1760432	1760433	RDL	1760434	RDL	1760435	RDL	1760436	RDL	QC Batch
Bromine	ppm	0.9	1.4	0.5	<0.5	0.5	0.7	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.1	1.1	0.1	1.5	0.1	1.6	0.1	1.4	0.1	4630067
Arsenic (As)	ppm	12.0	12.0	0.5	10.0	0.5	12.0	0.5	17.0	0.5	4630067
Barium (Ba)	ppm	1000	1100	50	1300	50	1700	50	810	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	13000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	59	61	3	64	3	66	3	52	3	4630067
Cesium (Cs)	ppm	10	9	1	5	1	7	1	5	1	4630067
Chromium (Cr)	ppm	61	60	5	61	5	58	5	66	5	4630067
Cobalt (Co)	ppm	7	6	1	8	1	8	1	9	1	4630067
Europium (Eu)	ppm	0.9	0.9	0.2	1.5	0.2	1.6	0.2	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	9	1	8	1	8	1	8	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	28900	29100	100	26000	100	29500	100	31200	100	4630067
Lanthanum (La)	ppm	29.0	29.0	0.5	35.0	0.5	35.0	0.5	27.0	0.5	4630067
Lutetium (Lu)	ppm	0.32	0.31	0.05	0.32	0.05	0.32	0.05	0.29	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	<2.7	2.7	<2.8	2.8	<3	3	<2.4	2.4	4630067
Neodymium (Nd)	ppm	26	22	5	25	5	24	5	20	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	72	71	15	75	15	100	15	56	15	4630067
Samarium (Sm)	ppm	4.4	4.4	0.1	5.6	0.1	6.0	0.1	4.1	0.1	4630067
Scandium (Sc)	ppm	7.9	7.9	0.1	9.0	0.1	10.2	0.1	8.5	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10300	10300	100	11800	100	12600	100	10200	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.8	0.5	0.9	0.5	1.1	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	0.5	<0.5	0.5	0.9	0.5	<0.5	0.5	4630067
Thorium (Th)	ppm	8.9	9.1	0.2	10.0	0.2	11.0	0.2	7.6	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	2.9	3.0	0.5	3.3	0.5	3.2	0.5	1.9	0.5	4630067
Ytterbium (Yb)	ppm	2.0	2.0	0.2	2.3	0.2	2.2	0.2	1.9	0.2	4630067
Zinc (Zn)	ppm	75	78	50	130	50	94	50	78	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL070		CXL071		CXL072	CXL073		CXL074		
Sampling Date											
	UNITS	1760437	RDL	1760438	RDL	1760439	1760440	RDL	1760441	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	0.8	<0.5	0.5	1.1	0.5	4630067
Antimony (Sb)	ppm	1.3	0.1	1.3	0.1	1.0	1.2	0.1	0.9	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	7.8	0.5	8.5	10.0	0.5	13.0	0.5	4630067
Barium (Ba)	ppm	940	50	1200	50	1100	990	50	1100	50	4630067
Calcium (Ca)	ppm	15000	10000	<10000	10000	10000	12000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	72	3	65	3	65	64	3	89	3	4630067
Cesium (Cs)	ppm	5	1	6	1	4	4	1	5	1	4630067
Chromium (Cr)	ppm	66	5	55	5	57	61	5	87	5	4630067
Cobalt (Co)	ppm	9	1	7	1	6	6	1	10	1	4630067
Europium (Eu)	ppm	1.8	0.2	1.4	0.2	1.2	1.2	0.2	1.4	0.2	4630067
Gold (Au)	ppm	0.006	0.002	0.003	0.002	0.007	0.004	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	9	1	9	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	29900	100	21200	100	22000	22500	100	31700	100	4630067
Lanthanum (La)	ppm	41.0	0.5	33.0	0.5	31.0	32.0	0.5	42.0	0.5	4630067
Lutetium (Lu)	ppm	0.34	0.05	0.35	0.05	0.33	0.31	0.05	0.38	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3	3	<5.3	5.3	<2.8	<2.8	2.8	<3.3	3.3	4630067
Neodymium (Nd)	ppm	27	5	25	5	24	25	5	36	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	70	15	67	15	73	54	15	120	15	4630067
Samarium (Sm)	ppm	6.6	0.1	5.4	0.1	5.3	5.3	0.1	6.7	0.1	4630067
Scandium (Sc)	ppm	10.8	0.1	8.2	0.1	8.6	8.4	0.1	13.7	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	13000	100	10000	100	10000	10400	100	8500	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.2	0.5	1.1	0.8	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.7	0.5	0.8	<0.5	0.5	1.2	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	8.9	0.2	9.3	8.9	0.2	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	1	2	1	4630067
Uranium (U)	ppm	3.9	0.5	17.0	0.5	3.8	5.2	0.5	4.7	0.5	4630067
Ytterbium (Yb)	ppm	2.4	0.2	2.4	0.2	2.2	2.2	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	120	50	98	50	79	93	50	93	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL075		CXL076		CXL077		CXL078		
Sampling Date										
	UNITS	1760442	RDL	1760443	RDL	1760444	RDL	1760445	RDL	QC Batch
Bromine	ppm	0.8	0.5	0.6	0.5	3.9	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	0.8	0.1	1.4	0.1	0.9	0.1	1.3	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	12.0	0.5	10.0	0.5	11.0	0.5	4630067
Barium (Ba)	ppm	750	50	1200	50	960	50	1100	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	16000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	86	3	75	3	75	3	79	3	4630067
Cesium (Cs)	ppm	4	1	5	1	8	1	4	1	4630067
Chromium (Cr)	ppm	74	5	62	5	62	5	74	5	4630067
Cobalt (Co)	ppm	7	1	9	1	9	1	9	1	4630067
Europium (Eu)	ppm	1.4	0.2	1.4	0.2	1.3	0.2	1.4	0.2	4630067
Gold (Au)	ppm	0.004	0.002	0.004	0.002	0.005	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	12	1	8	1	8	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27000	100	25900	100	25900	100	28100	100	4630067
Lanthanum (La)	ppm	42.0	0.5	37.0	0.5	38.0	0.5	39.0	0.5	4630067
Lutetium (Lu)	ppm	0.39	0.05	0.36	0.05	0.39	0.05	0.39	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3	3	<3.1	3.1	<5.7	5.7	<3	3	4630067
Neodymium (Nd)	ppm	33	5	30	5	30	5	30	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	130	100	4630067
Rubidium (Rb)	ppm	86	15	68	15	62	15	68	15	4630067
Samarium (Sm)	ppm	6.5	0.1	6.2	0.1	6.3	0.1	6.4	0.1	4630067
Scandium (Sc)	ppm	10.5	0.1	10.0	0.1	10.2	0.1	10.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8500	100	9000	100	8100	100	11000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.6	0.5	1.3	0.5	1.6	0.5	1.1	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.7	0.5	0.9	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	12.0	0.2	11.0	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	3.3	0.5	5.6	0.5	16.0	0.5	3.2	0.5	4630067
Ytterbium (Yb)	ppm	2.6	0.2	2.5	0.2	2.7	0.2	2.7	0.2	4630067
Zinc (Zn)	ppm	81	50	83	50	76	50	110	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL079		CXL080		CXL081		CXL082		
Sampling Date										
	UNITS	1760446	RDL	1760447	RDL	1760448	RDL	1760449	RDL	QC Batch
Bromine	ppm	2.2	0.5	1.0	0.5	1.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	0.8	0.1	1.1	0.1	1.3	0.1	1.7	0.1	4630067
Arsenic (As)	ppm	8.6	0.5	10.0	0.5	11.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	960	50	1100	50	1200	50	1100	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	13000	10000	4630067
Cerium (Ce)	ppm	60	3	68	3	69	3	67	3	4630067
Cesium (Cs)	ppm	5	1	3	1	3	1	3	1	4630067
Chromium (Cr)	ppm	58	5	60	5	64	5	77	5	4630067
Cobalt (Co)	ppm	6	1	8	1	10	1	11	1	4630067
Europium (Eu)	ppm	1.0	0.2	1.2	0.2	1.3	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	8	1	8	1	9	1	7	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	24100	100	25200	100	25900	100	33200	100	4630067
Lanthanum (La)	ppm	29.0	0.5	33.0	0.5	34.0	0.5	34.0	0.5	4630067
Lutetium (Lu)	ppm	0.31	0.05	0.36	0.05	0.36	0.05	0.38	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<5.1	5.1	<4.9	4.9	<3	3	4630067
Neodymium (Nd)	ppm	23	5	27	5	26	5	25	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	64	15	72	15	58	15	78	15	4630067
Samarium (Sm)	ppm	4.7	0.1	5.4	0.1	5.7	0.1	5.9	0.1	4630067
Scandium (Sc)	ppm	8.7	0.1	9.1	0.1	10.0	0.1	11.9	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8800	100	10000	100	10000	100	12200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.2	0.5	0.8	0.5	1.0	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.7	0.5	0.6	0.5	0.6	0.5	4630067
Thorium (Th)	ppm	8.3	0.2	9.3	0.2	9.4	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	1	1	2	1	2	1	4630067
Uranium (U)	ppm	3.2	0.5	13.0	0.5	14.0	0.5	3.3	0.5	4630067
Ytterbium (Yb)	ppm	2.0	0.2	2.3	0.2	2.4	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	66	50	58	50	94	50	110	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL083		CXL084		CXL085		CXL086		
Sampling Date										
	UNITS	1760450	RDL	1760451	RDL	1760452	RDL	1760453	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	0.8	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	0.2	0.1	1.7	0.1	1.9	0.1	2.4	0.1	4630067
Arsenic (As)	ppm	0.8	0.5	16.0	0.5	17.0	0.5	19.0	0.5	4630067
Barium (Ba)	ppm	<50	50	1300	50	730	50	650	50	4630067
Calcium (Ca)	ppm	<10000	10000	11000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	18	3	67	3	82	3	91	3	4630067
Cesium (Cs)	ppm	<1	1	4	1	3	1	3	1	4630067
Chromium (Cr)	ppm	12	5	66	5	68	5	64	5	4630067
Cobalt (Co)	ppm	<1	1	9	1	9	1	9	1	4630067
Europium (Eu)	ppm	<0.2	0.2	1.3	0.2	1.3	0.2	1.2	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.004	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	3	1	8	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	8400	100	29600	100	28700	100	31800	100	4630067
Lanthanum (La)	ppm	7.5	0.5	34.0	0.5	41.0	0.5	46.0	0.5	4630067
Lutetium (Lu)	ppm	0.07	0.05	0.36	0.05	0.39	0.05	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.8	2.8	<3	3	<3.2	3.2	4630067
Neodymium (Nd)	ppm	8	5	26	5	30	5	33	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	<15	15	57	15	83	15	94	15	4630067
Samarium (Sm)	ppm	1.1	0.1	5.8	0.1	6.3	0.1	6.9	0.1	4630067
Scandium (Sc)	ppm	1.0	0.1	10.0	0.1	10.8	0.1	11.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	120	100	10600	100	9000	100	8300	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.2	0.5	0.7	0.5	<0.5	0.5	4630067
Terbium (Tb)	ppm	<0.5	0.5	0.8	0.5	1.1	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	2.7	0.2	10.0	0.2	12.0	0.2	14.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	<1	1	2	1	1	1	2	1	4630067
Uranium (U)	ppm	0.6	0.5	3.3	0.5	3.1	0.5	3.1	0.5	4630067
Ytterbium (Yb)	ppm	0.4	0.2	2.5	0.2	2.5	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	<50	50	110	50	65	50	86	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL087	CXL088		CXL089		CXL090		CXL091		
Sampling Date											
	UNITS	1760454	1760455	RDL	1760456	RDL	1760457	RDL	1760458	RDL	QC Batch
Bromine	ppm	1.5	<0.5	0.5	0.6	0.5	0.8	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.7	1.3	0.1	1.0	0.1	1.1	0.1	0.9	0.1	4630067
Arsenic (As)	ppm	18.0	11.0	0.5	6.4	0.5	13.0	0.5	12.0	0.5	4630067
Barium (Ba)	ppm	690	860	50	920	50	870	50	950	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	76	72	3	140	3	82	3	100	3	4630067
Cesium (Cs)	ppm	3	2	1	5	1	3	1	4	1	4630067
Chromium (Cr)	ppm	65	64	5	95	5	80	5	85	5	4630067
Cobalt (Co)	ppm	8	9	1	8	1	10	1	11	1	4630067
Europium (Eu)	ppm	1.3	1.3	0.2	2.1	0.2	1.1	0.2	1.4	0.2	4630067
Gold (Au)	ppm	<0.002	0.005	0.002	<0.002	0.002	0.005	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	10	1	7	1	11	1	11	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30000	25800	100	41300	100	31800	100	33100	100	4630067
Lanthanum (La)	ppm	37.0	36.0	0.5	73.1	0.5	41.0	0.5	54.7	0.5	4630067
Lutetium (Lu)	ppm	0.34	0.39	0.05	0.43	0.05	0.40	0.05	0.44	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.1	<3.1	3.1	<4.5	4.5	<2.9	2.9	<3.4	3.4	4630067
Neodymium (Nd)	ppm	30	28	5	52	5	31	5	39	5	4630067
Nickel (Ni)	ppm	<100	<100	100	<100	100	<100	100	140	100	4630067
Rubidium (Rb)	ppm	98	66	15	140	15	78	15	92	15	4630067
Samarium (Sm)	ppm	5.5	5.9	0.1	10.0	0.1	6.3	0.1	8.1	0.1	4630067
Scandium (Sc)	ppm	10.1	9.4	0.1	16.2	0.1	11.1	0.1	12.4	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8800	10200	100	10000	100	10300	100	11100	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.7	0.5	1.7	0.5	0.7	0.5	1.8	0.5	4630067
Terbium (Tb)	ppm	0.9	1.0	0.5	1.0	0.5	1.0	0.5	1.1	0.5	4630067
Thorium (Th)	ppm	11.0	10.0	0.2	19.0	0.2	13.0	0.2	15.0	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	<1	1	3	1	2	1	3	1	4630067
Uranium (U)	ppm	2.6	2.9	0.5	4.1	0.5	3.6	0.5	3.6	0.5	4630067
Ytterbium (Yb)	ppm	2.3	2.6	0.2	3.0	0.2	2.7	0.2	2.9	0.2	4630067
Zinc (Zn)	ppm	82	65	50	110	50	88	50	100	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL092		CXL093		CXL094		CXL095	CXL096		
Sampling Date											
	UNITS	1760459	RDL	1760460	RDL	1760461	RDL	1760462	1760463	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	0.8	0.5	<0.5	0.8	0.5	4630067
Antimony (Sb)	ppm	1.5	0.1	1.7	0.1	2.0	0.1	2.0	2.1	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	18.0	0.5	20.0	0.5	28.0	32.0	0.5	4630067
Barium (Ba)	ppm	930	50	840	50	690	50	490	630	50	4630067
Calcium (Ca)	ppm	10000	10000	<10000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	66	3	74	3	69	3	64	110	3	4630067
Cesium (Cs)	ppm	2	1	3	1	2	1	3	6	1	4630067
Chromium (Cr)	ppm	63	5	64	5	56	5	49	90	5	4630067
Cobalt (Co)	ppm	9	1	9	1	9	1	7	10	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.4	0.2	1.4	0.2	0.8	1.6	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.004	0.002	0.030	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	8	1	9	1	9	7	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27000	100	29900	100	27600	100	29000	48900	100	4630067
Lanthanum (La)	ppm	35.0	0.5	37.0	0.5	35.0	0.5	32.0	59.3	0.5	4630067
Lutetium (Lu)	ppm	0.41	0.05	0.36	0.05	0.38	0.05	0.32	0.38	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<2.9	2.9	<2.6	2.6	<1	<1	1	4630067
Neodymium (Nd)	ppm	29	5	29	5	27	5	23	44	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	100	100	<100	<100	100	4630067
Rubidium (Rb)	ppm	52	15	82	15	64	15	79	130	15	4630067
Samarium (Sm)	ppm	6.0	0.1	5.9	0.1	6.0	0.1	4.7	8.2	0.1	4630067
Scandium (Sc)	ppm	10.0	0.1	10.5	0.1	9.2	0.1	7.5	13.8	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	10700	100	9200	100	9100	100	8900	8800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.5	0.9	0.5	0.9	0.5	0.6	1.0	0.5	4630067
Terbium (Tb)	ppm	0.9	0.5	0.6	0.5	0.9	0.5	0.7	0.8	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	12.0	0.2	11.0	0.2	12.0	16.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	2	2	1	4630067
Uranium (U)	ppm	2.7	0.5	3.1	0.5	2.6	0.5	2.7	3.0	0.5	4630067
Ytterbium (Yb)	ppm	2.7	0.2	2.5	0.2	2.4	0.2	2.0	2.6	0.2	4630067
Zinc (Zn)	ppm	82	50	70	50	78	50	64	100	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL097		CXL098		CXL099		CXL100	CXL101		
Sampling Date											
	UNITS	1760464	RDL	1760465	RDL	1760466	RDL	1760467	1760468	RDL	QC Batch
Bromine	ppm	0.7	0.5	0.8	0.5	1.2	0.5	0.6	<0.5	0.5	4630067
Antimony (Sb)	ppm	4.6	0.1	5.3	0.1	12.8	0.1	3.4	3.1	0.1	4630067
Arsenic (As)	ppm	12.0	0.5	14.0	0.5	20.0	0.5	21.0	18.0	0.5	4630067
Barium (Ba)	ppm	930	50	1000	50	1200	50	760	690	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	130	3	110	3	140	3	91	90	3	4630067
Cesium (Cs)	ppm	12	1	10	1	12	1	5	3	1	4630067
Chromium (Cr)	ppm	110	5	97	5	120	5	69	62	5	4630067
Cobalt (Co)	ppm	15	1	16	1	20	1	10	10	1	4630067
Europium (Eu)	ppm	2.0	0.2	1.5	0.2	2.0	0.2	1.2	1.6	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.006	0.002	0.007	0.002	0.006	<0.002	0.002	4630067
Hafnium (Hf)	ppm	11	1	10	1	13	1	9	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	47600	100	35800	100	43800	100	32100	29400	100	4630067
Lanthanum (La)	ppm	69.4	0.5	57.7	0.5	71.2	0.5	48.0	47.0	0.5	4630067
Lutetium (Lu)	ppm	0.48	0.05	0.44	0.05	0.54	0.05	0.39	0.42	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<4	4	<3.6	3.6	<4.4	4.4	<3.1	<3.1	3.1	4630067
Neodymium (Nd)	ppm	47	5	40	5	48	5	32	34	5	4630067
Nickel (Ni)	ppm	140	100	<100	100	<100	100	<100	<100	100	4630067
Rubidium (Rb)	ppm	170	15	140	15	180	15	110	88	15	4630067
Samarium (Sm)	ppm	9.4	0.1	8.3	0.1	10.3	0.1	7.0	7.0	0.1	4630067
Scandium (Sc)	ppm	16.9	0.1	14.6	0.1	18.0	0.1	11.2	10.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	10000	100	10000	100	10400	100	8400	8800	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	0.9	0.5	1.2	0.5	1.7	0.5	1.3	0.5	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	1.0	0.5	1.3	0.5	0.8	0.9	0.5	4630067
Thorium (Th)	ppm	20.7	0.2	18.0	0.2	23.5	0.2	15.0	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	3	1	2	1	3	1	3	2	1	4630067
Uranium (U)	ppm	4.7	0.5	4.7	0.5	5.4	0.5	3.1	3.2	0.5	4630067
Ytterbium (Yb)	ppm	3.2	0.2	2.9	0.2	3.4	0.2	2.7	2.8	0.2	4630067
Zinc (Zn)	ppm	120	50	110	50	110	50	89	75	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL102		CXL103		CXL104	CXL105		CXL106		
Sampling Date											
	UNITS	1760469	RDL	1760470	RDL	1760471	1760472	RDL	1760473	RDL	QC Batch
Bromine	ppm	<0.5	0.5	1.1	0.5	<0.5	1.2	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	3.9	0.1	4.0	0.1	1.6	2.8	0.1	3.4	0.1	4630067
Arsenic (As)	ppm	27.0	0.5	25.0	0.5	12.0	18.0	0.5	15.0	0.5	4630067
Barium (Ba)	ppm	710	50	810	50	1000	720	50	820	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	93	3	95	3	71	77	3	95	3	4630067
Cesium (Cs)	ppm	3	1	5	1	2	3	1	3	1	4630067
Chromium (Cr)	ppm	62	5	70	5	62	70	5	68	5	4630067
Cobalt (Co)	ppm	11	1	12	1	8	10	1	12	1	4630067
Europium (Eu)	ppm	1.5	0.2	1.4	0.2	1.4	1.2	0.2	1.4	0.2	4630067
Gold (Au)	ppm	0.007	0.002	0.024	0.002	0.010	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	10	1	9	13	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	30600	100	34400	100	26200	29400	100	32000	100	4630067
Lanthanum (La)	ppm	47.0	0.5	50.2	0.5	35.0	36.0	0.5	47.0	0.5	4630067
Lutetium (Lu)	ppm	0.45	0.05	0.45	0.05	0.43	0.40	0.05	0.43	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3	3	<1	1	<2.8	<2.8	2.8	<2.9	2.9	4630067
Neodymium (Nd)	ppm	33	5	36	5	27	26	5	33	5	4630067
Nickel (Ni)	ppm	<100	100	120	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	87	15	110	15	61	59	15	100	15	4630067
Samarium (Sm)	ppm	7.0	0.1	7.4	0.1	6.2	5.6	0.1	7.2	0.1	4630067
Scandium (Sc)	ppm	10.1	0.1	11.4	0.1	10.0	8.9	0.1	11.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	8800	100	9300	100	9400	8900	100	9200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.6	0.5	1.2	0.5	0.8	1.2	0.5	1.6	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.9	0.5	1.0	0.6	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	14.0	0.2	16.0	0.2	9.2	12.0	0.2	14.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	3	1	3	2	1	2	1	4630067
Uranium (U)	ppm	3.3	0.5	3.0	0.5	2.7	3.3	0.5	3.0	0.5	4630067
Ytterbium (Yb)	ppm	2.8	0.2	2.9	0.2	2.8	2.6	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	88	50	82	50	86	69	50	60	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL107		CXL108		CXL109		CXL110		
Sampling Date										
	UNITS	1760474	RDL	1760475	RDL	1760476	RDL	1760477	RDL	QC Batch
Bromine	ppm	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.3	0.1	2.1	0.1	2.2	0.1	2.8	0.1	4630067
Arsenic (As)	ppm	11.0	0.5	30.0	0.5	23.0	0.5	23.0	0.5	4630067
Barium (Ba)	ppm	710	50	330	50	610	50	720	50	4630067
Calcium (Ca)	ppm	<10000	10000	15000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	78	3	32	3	86	3	100	3	4630067
Cesium (Cs)	ppm	2	1	9	1	3	1	4	1	4630067
Chromium (Cr)	ppm	58	5	30	5	63	5	74	5	4630067
Cobalt (Co)	ppm	10	1	11	1	12	1	12	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.0	0.2	1.2	0.2	1.6	0.2	4630067
Gold (Au)	ppm	0.004	0.002	0.298	0.002	<0.002	0.002	0.006	0.002	4630067
Hafnium (Hf)	ppm	10	1	2	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26000	100	50700	100	31900	100	37000	100	4630067
Lanthanum (La)	ppm	39.0	0.5	15.0	0.5	42.0	0.5	52.4	0.5	4630067
Lutetium (Lu)	ppm	0.39	0.05	0.28	0.05	0.39	0.05	0.41	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.8	2.8	15	1	<3.1	3.1	<3.5	3.5	4630067
Neodymium (Nd)	ppm	27	5	15	5	34	5	39	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	80	15	100	15	87	15	100	15	4630067
Samarium (Sm)	ppm	5.9	0.1	3.2	0.1	6.4	0.1	7.6	0.1	4630067
Scandium (Sc)	ppm	9.0	0.1	8.0	0.1	10.0	0.1	12.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	6700	100	7600	100	8300	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	<0.5	0.5	1.5	0.5	1.4	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	0.6	0.5	1.1	0.5	1.0	0.5	4630067
Thorium (Th)	ppm	11.0	0.2	5.0	0.2	14.0	0.2	16.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	8	1	3	1	4	1	4630067
Uranium (U)	ppm	3.1	0.5	1.4	0.5	2.5	0.5	2.9	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	1.7	0.2	2.4	0.2	2.7	0.2	4630067
Zinc (Zn)	ppm	60	50	660	50	81	50	88	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL111		CXL112		CXL113		CXL114	CXL115		
Sampling Date											
	UNITS	1760478	RDL	1760479	RDL	1760480	RDL	1760481	1760482	RDL	QC Batch
Bromine	ppm	1.2	0.5	3.2	0.5	0.6	0.5	<0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.7	0.1	2.9	0.1	1.5	0.1	1.5	2.1	0.1	4630067
Arsenic (As)	ppm	38.0	0.5	11.0	0.5	16.0	0.5	14.0	17.0	0.5	4630067
Barium (Ba)	ppm	670	50	730	50	730	50	780	870	50	4630067
Calcium (Ca)	ppm	<10000	10000	13000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	190	3	97	3	86	3	73	75	3	4630067
Cesium (Cs)	ppm	6	1	4	1	4	1	3	4	1	4630067
Chromium (Cr)	ppm	120	5	60	5	73	5	63	68	5	4630067
Cobalt (Co)	ppm	9	1	14	1	14	1	7	11	1	4630067
Europium (Eu)	ppm	2.2	0.2	1.6	0.2	1.9	0.2	1.6	1.7	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.005	0.002	0.004	0.002	<0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	5	1	7	1	11	1	10	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	67000	100	28400	100	34400	100	28400	32300	100	4630067
Lanthanum (La)	ppm	97.1	0.5	49.0	0.5	48.0	0.5	40.0	42.0	0.5	4630067
Lutetium (Lu)	ppm	0.48	0.05	0.39	0.05	0.49	0.05	0.40	0.40	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<5.1	5.1	<4	4	<3	3	<2.7	<2.7	2.7	4630067
Neodymium (Nd)	ppm	67	5	41	5	32	5	30	30	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	120	100	100	100	100	4630067
Rubidium (Rb)	ppm	150	15	89	15	76	15	69	95	15	4630067
Samarium (Sm)	ppm	13.3	0.1	7.3	0.1	8.1	0.1	6.5	6.5	0.1	4630067
Scandium (Sc)	ppm	19.6	0.1	10.0	0.1	12.3	0.1	10.3	10.9	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	10400	100	7500	100	10600	100	10000	9400	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	1.3	0.5	0.6	0.5	0.7	0.5	0.7	0.9	0.5	4630067
Terbium (Tb)	ppm	1.3	0.5	0.7	0.5	1.0	0.5	0.8	0.9	0.5	4630067
Thorium (Th)	ppm	29.7	0.2	13.0	0.2	15.0	0.2	11.0	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	4	1	2	1	2	1	1	2	1	4630067
Uranium (U)	ppm	4.4	0.5	4.5	0.5	4.0	0.5	3.1	2.9	0.5	4630067
Ytterbium (Yb)	ppm	3.4	0.2	2.5	0.2	3.3	0.2	2.7	2.7	0.2	4630067
Zinc (Zn)	ppm	110	50	57	50	110	50	100	120	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL116		CXL117		CXL118		CXL119	CXL120		
Sampling Date											
	UNITS	1544001	RDL	1544002	RDL	1544003	RDL	1544004	1544005	RDL	QC Batch
Bromine	ppm	1.5	0.5	2.8	0.5	<0.5	0.5	0.7	1.7	0.5	4630067
Antimony (Sb)	ppm	1.1	0.1	1.5	0.1	1.6	0.1	1.5	0.8	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	17.0	0.5	19.0	0.5	20.0	7.4	0.5	4630067
Barium (Ba)	ppm	820	50	1100	50	1100	50	1000	870	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	<10000	10000	4630067
Cerium (Ce)	ppm	57	3	57	3	61	3	59	59	3	4630067
Cesium (Cs)	ppm	7	1	7	1	16	1	8	4	1	4630067
Chromium (Cr)	ppm	65	5	81	5	45	5	56	58	5	4630067
Cobalt (Co)	ppm	6	1	9	1	4	1	5	3	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.0	0.2	1.0	0.2	1.0	1.2	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.002	0.003	0.004	0.002	4630067
Hafnium (Hf)	ppm	8	1	8	1	8	1	9	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	28400	100	34600	100	19600	100	21400	20400	100	4630067
Lanthanum (La)	ppm	29.0	0.5	30.0	0.5	32.0	0.5	30.0	29.0	0.5	4630067
Lutetium (Lu)	ppm	0.30	0.05	0.34	0.05	0.26	0.05	0.29	0.30	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.6	2.6	<2.5	2.5	<2.3	2.3	<2.4	<2.4	2.4	4630067
Neodymium (Nd)	ppm	20	5	22	5	22	5	21	24	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Rubidium (Rb)	ppm	61	15	65	15	79	15	57	63	15	4630067
Samarium (Sm)	ppm	4.6	0.1	4.4	0.1	4.4	0.1	4.8	4.7	0.1	4630067
Scandium (Sc)	ppm	9.0	0.1	10.1	0.1	6.8	0.1	7.7	8.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	<5	5	4630067
Sodium (Na)	ppm	10000	100	8800	100	7100	100	10000	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	1.4	0.5	<0.5	0.5	0.9	1.1	0.5	4630067
Terbium (Tb)	ppm	1.2	0.5	0.7	0.5	0.6	0.5	0.7	0.7	0.5	4630067
Thorium (Th)	ppm	7.7	0.2	8.6	0.2	10.0	0.2	8.7	8.3	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	1	1	1	4630067
Uranium (U)	ppm	2.8	0.5	3.1	0.5	3.7	0.5	3.3	3.2	0.5	4630067
Ytterbium (Yb)	ppm	2.1	0.2	2.2	0.2	1.7	0.2	2.0	2.0	0.2	4630067
Zinc (Zn)	ppm	88	50	100	50	65	50	74	68	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL121		CXL122		CXL123		CXL124		CXL125		
Sampling Date												
	UNITS	1544006	RDL	1544007	RDL	1544008	RDL	1544009	RDL	1544010	RDL	QC Batch
Bromine	ppm	2.0	0.5	0.8	0.5	<0.5	0.5	1.2	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	1.3	0.1	1.4	0.1	1.4	0.1	1.9	0.1	4630067
Arsenic (As)	ppm	9.3	0.5	10.0	0.5	17.0	0.5	16.0	0.5	17.0	0.5	4630067
Barium (Ba)	ppm	1300	50	1100	50	660	50	610	50	610	50	4630067
Calcium (Ca)	ppm	13000	10000	10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	69	3	66	3	70	3	55	3	80	3	4630067
Cesium (Cs)	ppm	6	1	3	1	2	1	2	1	3	1	4630067
Chromium (Cr)	ppm	54	5	60	5	55	5	56	5	64	5	4630067
Cobalt (Co)	ppm	7	1	7	1	10	1	6	1	8	1	4630067
Europium (Eu)	ppm	1.3	0.2	1.4	0.2	1.4	0.2	0.9	0.2	1.1	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	0.021	0.002	0.005	0.002	0.004	0.002	4630067
Hafnium (Hf)	ppm	8	1	9	1	11	1	9	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	23600	100	25600	100	26200	100	25100	100	28300	100	4630067
Lanthanum (La)	ppm	36.0	0.5	35.0	0.5	34.0	0.5	26.0	0.5	40.0	0.5	4630067
Lutetium (Lu)	ppm	0.33	0.05	0.36	0.05	0.35	0.05	0.29	0.05	0.34	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<6.2	6.2	<1	1	<2.4	2.4	<2.2	2.2	<2.5	2.5	4630067
Neodymium (Nd)	ppm	29	5	23	5	26	5	19	5	27	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	63	15	68	15	43	15	43	15	82	15	4630067
Samarium (Sm)	ppm	6.0	0.1	5.7	0.1	6.2	0.1	4.1	0.1	5.8	0.1	4630067
Scandium (Sc)	ppm	9.1	0.1	10.0	0.1	10.5	0.1	7.5	0.1	10.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	11500	100	8900	100	8300	100	7200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.2	0.5	<0.5	0.5	0.7	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.7	0.5	0.8	0.5	0.7	0.5	0.6	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	9.4	0.2	9.3	0.2	10.0	0.2	8.0	0.2	13.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	1	1	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	21.0	0.5	3.2	0.5	3.0	0.5	2.3	0.5	2.5	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.5	0.2	2.6	0.2	2.0	0.2	2.3	0.2	4630067
Zinc (Zn)	ppm	88	50	99	50	89	50	62	50	70	50	4630067
RDL = Reportable Detection Limit												
QC Batch = Quality Control Batch												

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL126		CXL127		CXL128	CXL129		CXL130		
Sampling Date											
	UNITS	1544011	RDL	1544012	RDL	1544013	1544014	RDL	1544015	RDL	QC Batch
Bromine	ppm	1.1	0.5	0.6	0.5	1.2	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.4	0.1	1.6	0.1	1.3	1.4	0.1	1.5	0.1	4630067
Arsenic (As)	ppm	12.0	0.5	19.0	0.5	14.0	18.0	0.5	13.0	0.5	4630067
Barium (Ba)	ppm	810	50	910	50	760	620	50	800	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	65	3	82	3	62	67	3	73	3	4630067
Cesium (Cs)	ppm	3	1	3	1	2	2	1	3	1	4630067
Chromium (Cr)	ppm	65	5	72	5	64	56	5	65	5	4630067
Cobalt (Co)	ppm	7	1	9	1	7	8	1	8	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.4	0.2	1.1	1.3	0.2	1.2	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	0.002	<0.002	0.006	0.002	0.004	0.002	4630067
Hafnium (Hf)	ppm	10	1	10	1	9	11	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26000	100	32200	100	28900	25000	100	26700	100	4630067
Lanthanum (La)	ppm	32.0	0.5	41.0	0.5	32.0	33.0	0.5	36.0	0.5	4630067
Lutetium (Lu)	ppm	0.34	0.05	0.38	0.05	0.35	0.41	0.05	0.35	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.5	2.5	<2.8	2.8	<2.4	<2.4	2.4	<2.6	2.6	4630067
Neodymium (Nd)	ppm	24	5	30	5	22	25	5	27	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	62	15	95	15	55	47	15	68	15	4630067
Samarium (Sm)	ppm	5.2	0.1	6.1	0.1	5.1	5.9	0.1	5.7	0.1	4630067
Scandium (Sc)	ppm	9.1	0.1	10.6	0.1	10.0	8.6	0.1	9.4	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9500	100	9200	100	10000	9200	100	10000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.2	0.5	0.6	0.5	0.7	0.9	0.5	0.7	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	1.0	0.5	0.7	0.8	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	9.3	0.2	12.0	0.2	8.9	10.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	1	1	2	1	1	2	1	4630067
Uranium (U)	ppm	3.0	0.5	3.1	0.5	2.9	3.0	0.5	3.2	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	2.5	0.2	2.3	2.7	0.2	2.5	0.2	4630067
Zinc (Zn)	ppm	86	50	95	50	81	73	50	94	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL131		CXL132		CXL133		CXL134		
Sampling Date										
	UNITS	1544016	RDL	1544017	RDL	1544018	RDL	1544019	RDL	QC Batch
Bromine	ppm	0.8	0.5	0.6	0.5	<0.5	0.5	0.8	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	1.3	0.1	1.8	0.1	2.3	0.1	4630067
Arsenic (As)	ppm	12.0	0.5	11.0	0.5	18.0	0.5	20.0	0.5	4630067
Barium (Ba)	ppm	910	50	800	50	610	50	680	50	4630067
Calcium (Ca)	ppm	11000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	66	3	75	3	78	3	94	3	4630067
Cesium (Cs)	ppm	3	1	2	1	3	1	3	1	4630067
Chromium (Cr)	ppm	67	5	69	5	56	5	65	5	4630067
Cobalt (Co)	ppm	9	1	8	1	7	1	11	1	4630067
Europium (Eu)	ppm	1.1	0.2	1.4	0.2	1.4	0.2	1.7	0.2	4630067
Gold (Au)	ppm	0.004	0.002	0.008	0.002	0.009	0.002	0.004	0.002	4630067
Hafnium (Hf)	ppm	9	1	16	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26500	100	24400	100	25900	100	32900	100	4630067
Lanthanum (La)	ppm	32.0	0.5	38.0	0.5	38.0	0.5	47.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.05	0.46	0.05	0.36	0.05	0.43	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<2.8	2.8	<2.6	2.6	<3	3	4630067
Neodymium (Nd)	ppm	24	5	28	5	29	5	35	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	58	15	47	15	64	15	97	15	4630067
Samarium (Sm)	ppm	5.1	0.1	6.2	0.1	6.1	0.1	7.3	0.1	4630067
Scandium (Sc)	ppm	10.0	0.1	8.7	0.1	9.1	0.1	11.0	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10000	100	10000	100	7700	100	8000	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.7	0.5	1.3	0.5	0.6	0.5	1.2	0.5	4630067
Terbium (Tb)	ppm	0.5	0.5	0.7	0.5	1.0	0.5	1.4	0.5	4630067
Thorium (Th)	ppm	9.1	0.2	10.0	0.2	11.0	0.2	15.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	1	1	3	1	4630067
Uranium (U)	ppm	4.0	0.5	3.7	0.5	2.7	0.5	2.7	0.5	4630067
Ytterbium (Yb)	ppm	2.3	0.2	3.0	0.2	2.4	0.2	3.0	0.2	4630067
Zinc (Zn)	ppm	87	50	90	50	73	50	79	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL135	CXL136		CXL137		CXL138		CXL139		
Sampling Date											
	UNITS	1544020	1544021	RDL	1544022	RDL	1544023	RDL	1544024	RDL	QC Batch
Bromine	ppm	1.0	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	2.3	4.9	0.1	1.2	0.1	1.0	0.1	2.0	0.1	4630067
Arsenic (As)	ppm	13.0	21.0	0.5	17.0	0.5	8.2	0.5	13.0	0.5	4630067
Barium (Ba)	ppm	650	680	50	580	50	660	50	930	50	4630067
Calcium (Ca)	ppm	<10000	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	98	110	3	68	3	64	3	110	3	4630067
Cesium (Cs)	ppm	4	4	1	1	1	3	1	6	1	4630067
Chromium (Cr)	ppm	68	70	5	48	5	61	5	81	5	4630067
Cobalt (Co)	ppm	10	17	1	10	1	6	1	12	1	4630067
Europium (Eu)	ppm	1.5	1.9	0.2	1.8	0.2	1.1	0.2	1.7	0.2	4630067
Gold (Au)	ppm	0.004	0.006	0.002	0.005	0.002	<0.002	0.002	<0.002	0.002	4630067
Hafnium (Hf)	ppm	9	12	1	12	1	11	1	11	1	4630067
Iridium (Ir)	ppm	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	35000	40400	100	23100	100	24200	100	36800	100	4630067
Lanthanum (La)	ppm	50.3	62.9	0.5	37.0	0.5	33.0	0.5	58.9	0.5	4630067
Lutetium (Lu)	ppm	0.41	0.53	0.05	0.44	0.05	0.38	0.05	0.46	0.05	4630067
Mercury (Hg)	ppm	<1	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<3.2	<3.2	3.2	<2.3	2.3	<2.4	2.4	<3.1	3.1	4630067
Neodymium (Nd)	ppm	36	41	5	29	5	25	5	37	5	4630067
Nickel (Ni)	ppm	<100	100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	89	120	15	48	15	66	15	150	15	4630067
Samarium (Sm)	ppm	7.2	8.8	0.1	7.3	0.1	4.8	0.1	8.1	0.1	4630067
Scandium (Sc)	ppm	10.9	12.0	0.1	8.5	0.1	8.3	0.1	13.0	0.1	4630067
Selenium (Se)	ppm	<3	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	7900	9400	100	8900	100	10100	100	7400	100	4630067
Strontium (Sr)	ppm	<500	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	0.8	1.5	0.5	0.9	0.5	<0.5	0.5	1.6	0.5	4630067
Terbium (Tb)	ppm	1.1	1.4	0.5	1.1	0.5	0.5	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	16.0	20.0	0.2	9.1	0.2	8.4	0.2	19.0	0.2	4630067
Tin (Sn)	ppm	<100	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	3	2	1	2	1	1	1	2	1	4630067
Uranium (U)	ppm	3.3	3.5	0.5	2.8	0.5	2.6	0.5	4.0	0.5	4630067
Ytterbium (Yb)	ppm	2.7	3.4	0.2	3.1	0.2	2.4	0.2	3.0	0.2	4630067
Zinc (Zn)	ppm	94	120	50	68	50	63	50	91	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL140		CXL141	CXL142		CXL143		CXL144		
Sampling Date											
	UNITS	1544025	RDL	1544026	1544027	RDL	1544028	RDL	1544029	RDL	QC Batch
Bromine	ppm	<0.5	0.5	0.6	<0.5	0.5	0.9	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	0.3	0.1	1.6	2.2	0.1	1.6	0.1	1.7	0.1	4630067
Arsenic (As)	ppm	0.6	0.5	15.0	21.0	0.5	16.0	0.5	17.0	0.5	4630067
Barium (Ba)	ppm	560	50	570	550	50	950	50	840	50	4630067
Calcium (Ca)	ppm	51000	10000	<10000	<10000	10000	11000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	31	3	70	77	3	59	3	77	3	4630067
Cesium (Cs)	ppm	<1	1	3	3	1	3	1	3	1	4630067
Chromium (Cr)	ppm	17	5	57	50	5	77	5	68	5	4630067
Cobalt (Co)	ppm	14	1	7	9	1	10	1	10	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.0	1.5	0.2	0.9	0.2	1.3	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	<0.002	<0.002	0.002	0.004	0.002	0.004	0.002	4630067
Hafnium (Hf)	ppm	4	1	11	9	1	8	1	9	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	46600	100	26900	26600	100	33700	100	30700	100	4630067
Lanthanum (La)	ppm	15.0	0.5	36.0	41.0	0.5	31.0	0.5	40.0	0.5	4630067
Lutetium (Lu)	ppm	0.44	0.05	0.38	0.38	0.05	0.36	0.05	0.41	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<1	1	<2.4	<2.4	2.4	<2.5	2.5	<2.6	2.6	4630067
Neodymium (Nd)	ppm	16	5	27	31	5	23	5	31	5	4630067
Nickel (Ni)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	32	15	76	60	15	67	15	76	15	4630067
Samarium (Sm)	ppm	4.6	0.1	5.3	6.3	0.1	4.8	0.1	6.3	0.1	4630067
Scandium (Sc)	ppm	22.2	0.1	8.2	8.7	0.1	10.3	0.1	10.6	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	25600	100	8100	8200	100	10700	100	9400	100	4630067
Strontium (Sr)	ppm	<500	500	<500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	<0.5	0.5	1.1	1.3	0.5	0.6	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	1.0	0.5	0.7	0.9	0.5	0.5	0.5	0.7	0.5	4630067
Thorium (Th)	ppm	2.9	0.2	11.0	12.0	0.2	9.2	0.2	11.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	10	1	2	1	1	2	1	2	1	4630067
Uranium (U)	ppm	1.2	0.5	2.6	2.4	0.5	2.7	0.5	2.8	0.5	4630067
Ytterbium (Yb)	ppm	2.9	0.2	2.4	2.5	0.2	2.4	0.2	2.6	0.2	4630067
Zinc (Zn)	ppm	200	50	60	69	50	94	50	82	50	4630067
RDL = Reportable Detection Limit											
QC Batch = Quality Control Batch											

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL145		CXL146		CXL147		CXL148		
Sampling Date										
	UNITS	1544030	RDL	1544031	RDL	1544032	RDL	1544033	RDL	QC Batch
Bromine	ppm	0.9	0.5	0.7	0.5	<0.5	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.4	0.1	1.8	0.1	1.7	0.1	1.5	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	11.0	0.5	14.0	0.5	14.0	0.5	4630067
Barium (Ba)	ppm	1000	50	660	50	1100	50	950	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	75	3	76	3	68	3	70	3	4630067
Cesium (Cs)	ppm	3	1	3	1	3	1	2	1	4630067
Chromium (Cr)	ppm	69	5	60	5	71	5	63	5	4630067
Cobalt (Co)	ppm	8	1	7	1	10	1	10	1	4630067
Europium (Eu)	ppm	1.2	0.2	1.2	0.2	1.3	0.2	1.3	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	0.007	0.002	<0.002	0.002	0.012	0.002	4630067
Hafnium (Hf)	ppm	10	1	10	1	9	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	27500	100	24400	100	30300	100	28500	100	4630067
Lanthanum (La)	ppm	39.0	0.5	39.0	0.5	36.0	0.5	37.0	0.5	4630067
Lutetium (Lu)	ppm	0.40	0.05	0.39	0.05	0.42	0.05	0.43	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.7	2.7	<2.4	2.4	<3	3	<2.6	2.6	4630067
Neodymium (Nd)	ppm	28	5	28	5	25	5	31	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	70	15	70	15	59	15	52	15	4630067
Samarium (Sm)	ppm	6.0	0.1	5.6	0.1	6.1	0.1	6.1	0.1	4630067
Scandium (Sc)	ppm	10.0	0.1	8.9	0.1	10.9	0.1	10.2	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	10200	100	9100	100	10700	100	10200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.1	0.5	1.2	0.5	1.2	0.5	0.8	0.5	4630067
Terbium (Tb)	ppm	0.8	0.5	0.8	0.5	1.0	0.5	0.9	0.5	4630067
Thorium (Th)	ppm	10.0	0.2	10.0	0.2	10.0	0.2	10.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	2	1	2	1	2	1	4630067
Uranium (U)	ppm	4.1	0.5	2.5	0.5	6.6	0.5	4.3	0.5	4630067
Ytterbium (Yb)	ppm	2.5	0.2	2.4	0.2	2.7	0.2	2.8	0.2	4630067
Zinc (Zn)	ppm	62	50	62	50	84	50	73	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL149		CXL150		CXL151		CXL152		
Sampling Date										
	UNITS	1544034	RDL	1544035	RDL	1544036	RDL	1544037	RDL	QC Batch
Bromine	ppm	1.0	0.5	0.6	0.5	1.0	0.5	<0.5	0.5	4630067
Antimony (Sb)	ppm	1.6	0.1	1.7	0.1	1.4	0.1	2.2	0.1	4630067
Arsenic (As)	ppm	13.0	0.5	15.0	0.5	13.0	0.5	17.0	0.5	4630067
Barium (Ba)	ppm	630	50	990	50	790	50	810	50	4630067
Calcium (Ca)	ppm	<10000	10000	<10000	10000	<10000	10000	<10000	10000	4630067
Cerium (Ce)	ppm	66	3	78	3	67	3	92	3	4630067
Cesium (Cs)	ppm	2	1	2	1	2	1	3	1	4630067
Chromium (Cr)	ppm	60	5	73	5	61	5	70	5	4630067
Cobalt (Co)	ppm	7	1	9	1	9	1	12	1	4630067
Europium (Eu)	ppm	1.1	0.2	1.3	0.2	1.1	0.2	1.5	0.2	4630067
Gold (Au)	ppm	0.005	0.002	<0.002	0.002	0.005	0.002	0.005	0.002	4630067
Hafnium (Hf)	ppm	10	1	12	1	11	1	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	<0.005	0.005	<0.005	0.005	<0.005	0.005	4630067
Iron (Fe)	ppm	26200	100	28400	100	25500	100	31200	100	4630067
Lanthanum (La)	ppm	32.0	0.5	41.0	0.5	33.0	0.5	44.0	0.5	4630067
Lutetium (Lu)	ppm	0.35	0.05	0.48	0.05	0.39	0.05	0.45	0.05	4630067
Mercury (Hg)	ppm	<1	1	<1	1	<1	1	<1	1	4630067
Molybdenum (Mo)	ppm	<2.4	2.4	<3	3	<2.5	2.5	<3	3	4630067
Neodymium (Nd)	ppm	23	5	31	5	26	5	36	5	4630067
Nickel (Ni)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Rubidium (Rb)	ppm	67	15	63	15	48	15	64	15	4630067
Samarium (Sm)	ppm	4.9	0.1	6.9	0.1	5.2	0.1	7.5	0.1	4630067
Scandium (Sc)	ppm	8.2	0.1	10.3	0.1	8.3	0.1	12.1	0.1	4630067
Selenium (Se)	ppm	<3	3	<3	3	<3	3	<3	3	4630067
Silver (Ag)	ppm	<5	5	<5	5	<5	5	<5	5	4630067
Sodium (Na)	ppm	9100	100	10100	100	10000	100	9200	100	4630067
Strontium (Sr)	ppm	<500	500	<500	500	<500	500	<500	500	4630067
Tantalum (Ta)	ppm	1.0	0.5	0.8	0.5	1.3	0.5	0.9	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	0.9	0.5	0.7	0.5	0.8	0.5	4630067
Thorium (Th)	ppm	9.5	0.2	11.0	0.2	10.0	0.2	12.0	0.2	4630067
Tin (Sn)	ppm	<100	100	<100	100	<100	100	<100	100	4630067
Tungsten (W)	ppm	2	1	1	1	2	1	1	1	4630067
Uranium (U)	ppm	2.5	0.5	5.4	0.5	2.9	0.5	4.5	0.5	4630067
Ytterbium (Yb)	ppm	2.2	0.2	3.1	0.2	2.5	0.2	2.9	0.2	4630067
Zinc (Zn)	ppm	61	50	76	50	58	50	72	50	4630067
RDL = Reportable Detection Limit										
QC Batch = Quality Control Batch										

RESULTS OF ANALYSES OF SOLID

Maxxam ID		CXL153		
Sampling Date				
	UNITS	1544038	RDL	QC Batch
Bromine	ppm	0.9	0.5	4630067
Antimony (Sb)	ppm	1.2	0.1	4630067
Arsenic (As)	ppm	14.0	0.5	4630067
Barium (Ba)	ppm	620	50	4630067
Calcium (Ca)	ppm	<10000	10000	4630067
Cerium (Ce)	ppm	65	3	4630067
Cesium (Cs)	ppm	2	1	4630067
Chromium (Cr)	ppm	58	5	4630067
Cobalt (Co)	ppm	6	1	4630067
Europium (Eu)	ppm	0.8	0.2	4630067
Gold (Au)	ppm	<0.002	0.002	4630067
Hafnium (Hf)	ppm	10	1	4630067
Iridium (Ir)	ppm	<0.005	0.005	4630067
Iron (Fe)	ppm	27200	100	4630067
Lanthanum (La)	ppm	31.0	0.5	4630067
Lutetium (Lu)	ppm	0.36	0.05	4630067
Mercury (Hg)	ppm	<1	1	4630067
Molybdenum (Mo)	ppm	<2.5	2.5	4630067
Neodymium (Nd)	ppm	25	5	4630067
Nickel (Ni)	ppm	<100	100	4630067
Rubidium (Rb)	ppm	47	15	4630067
Samarium (Sm)	ppm	5.0	0.1	4630067
Scandium (Sc)	ppm	7.8	0.1	4630067
Selenium (Se)	ppm	<3	3	4630067
Silver (Ag)	ppm	<5	5	4630067
Sodium (Na)	ppm	8500	100	4630067
Strontium (Sr)	ppm	<500	500	4630067
Tantalum (Ta)	ppm	0.8	0.5	4630067
Terbium (Tb)	ppm	0.6	0.5	4630067
Thorium (Th)	ppm	8.8	0.2	4630067
Tin (Sn)	ppm	<100	100	4630067
Tungsten (W)	ppm	<1	1	4630067
Uranium (U)	ppm	2.4	0.5	4630067
Ytterbium (Yb)	ppm	2.2	0.2	4630067
Zinc (Zn)	ppm	65	50	4630067
RDL = Reportable Detection Limit				
QC Batch = Quality Control Batch				

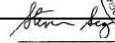
GENERAL COMMENTS

Mo results are interfered with by Mo production from U fission.

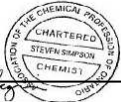
Results relate only to the items tested.

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by the following individual(s).



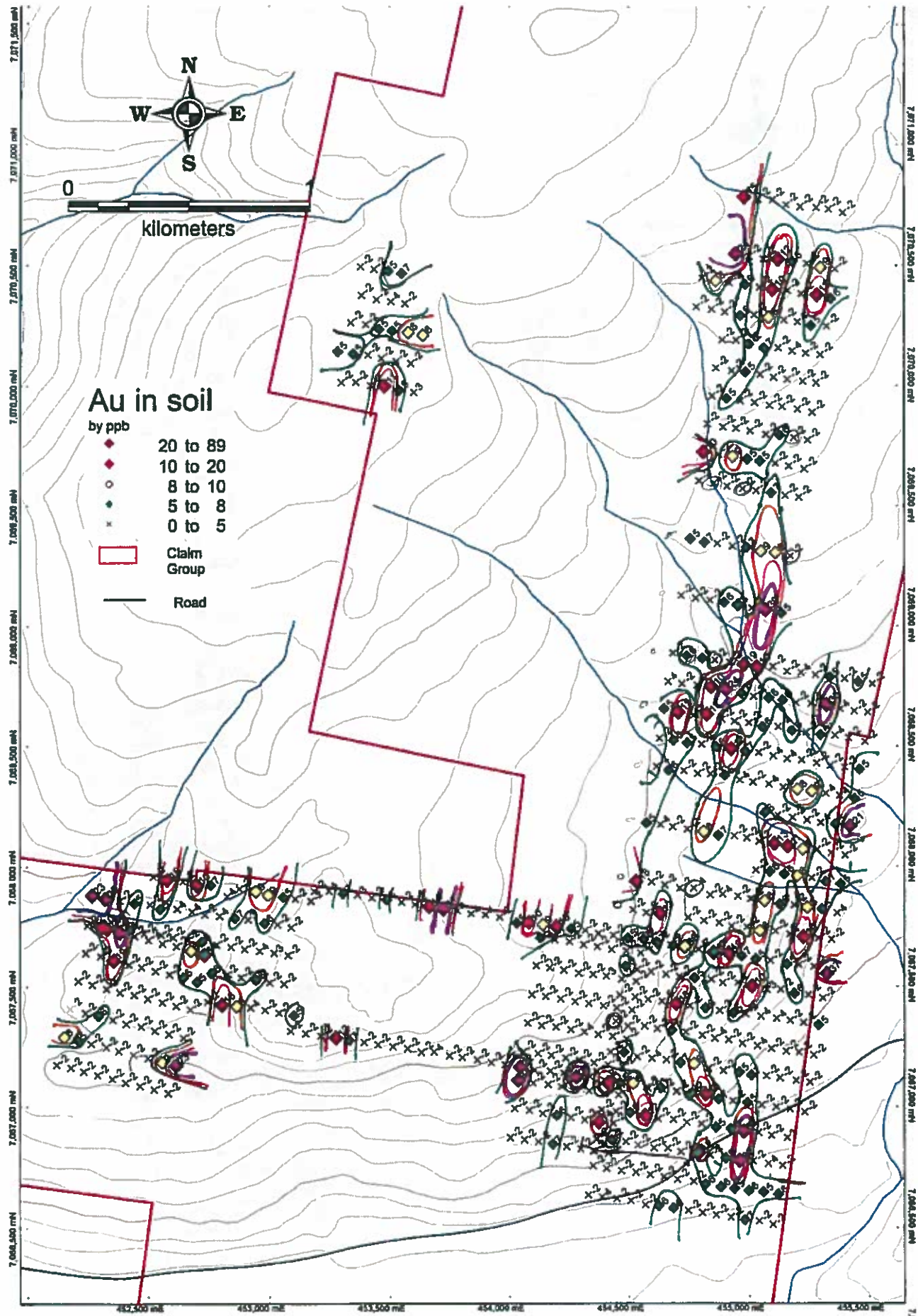
Steven Simpson, Lab Director

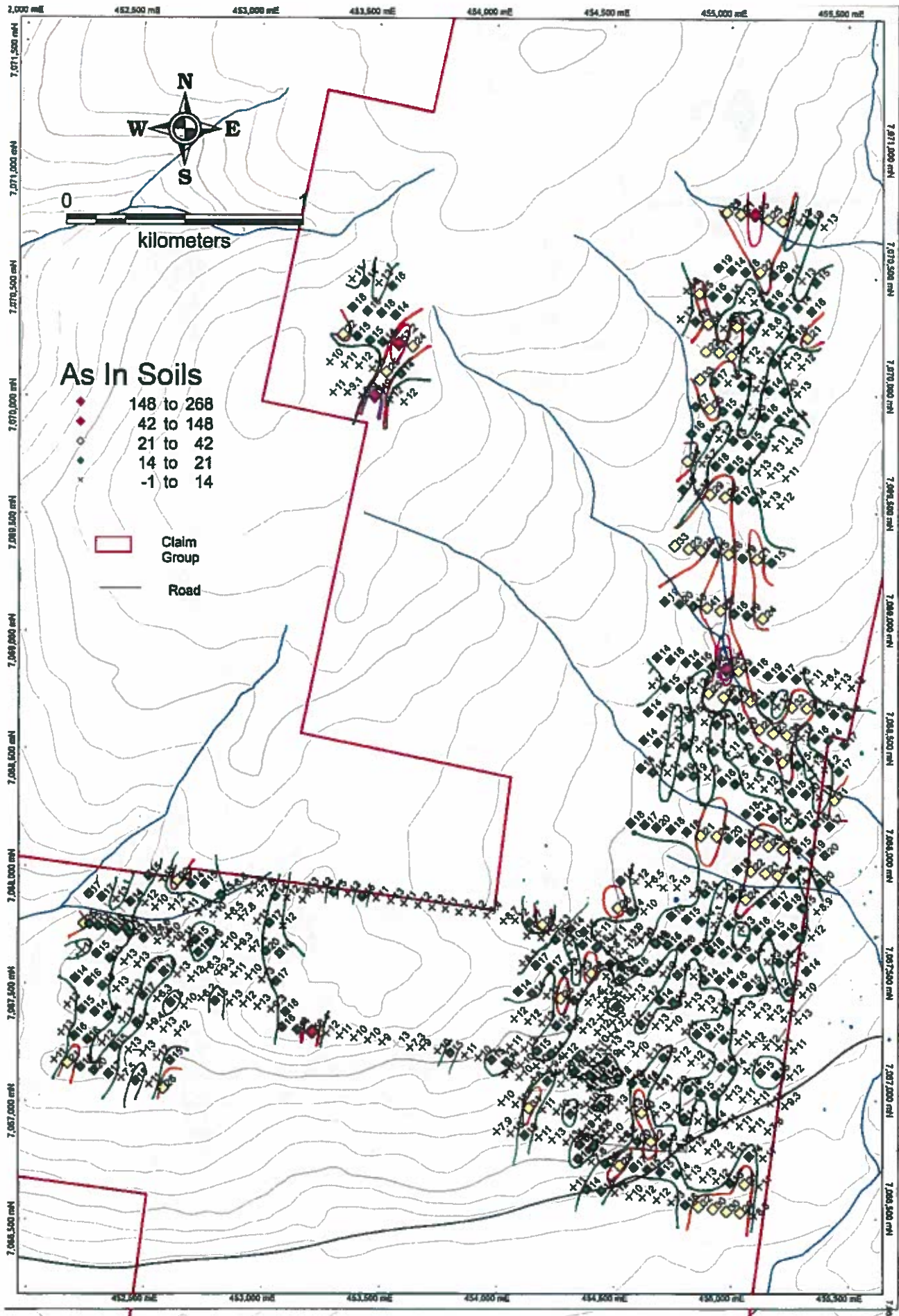


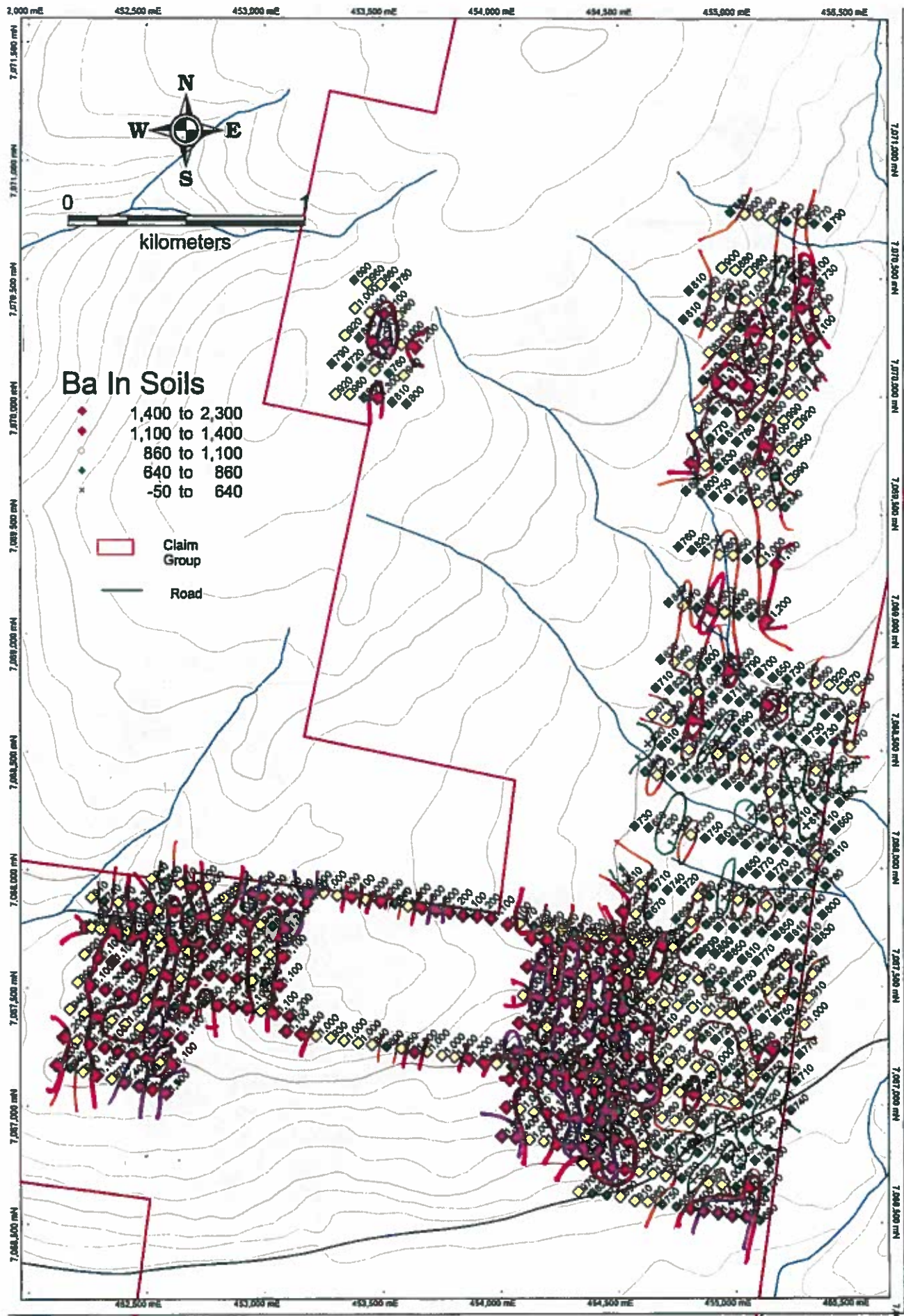
Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

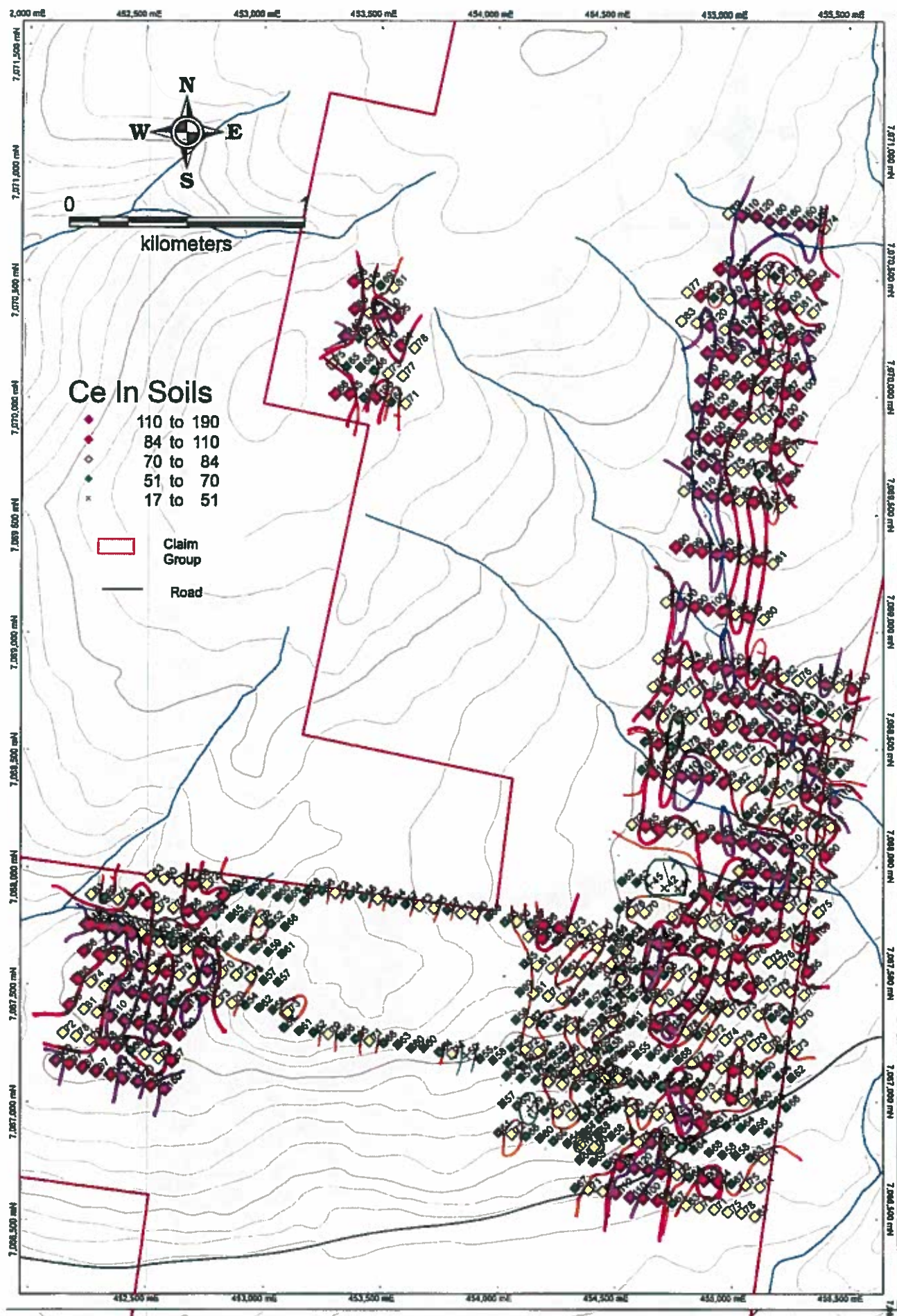
Appendix D: Trail-Minto Contour Plots for 2015 and 2016

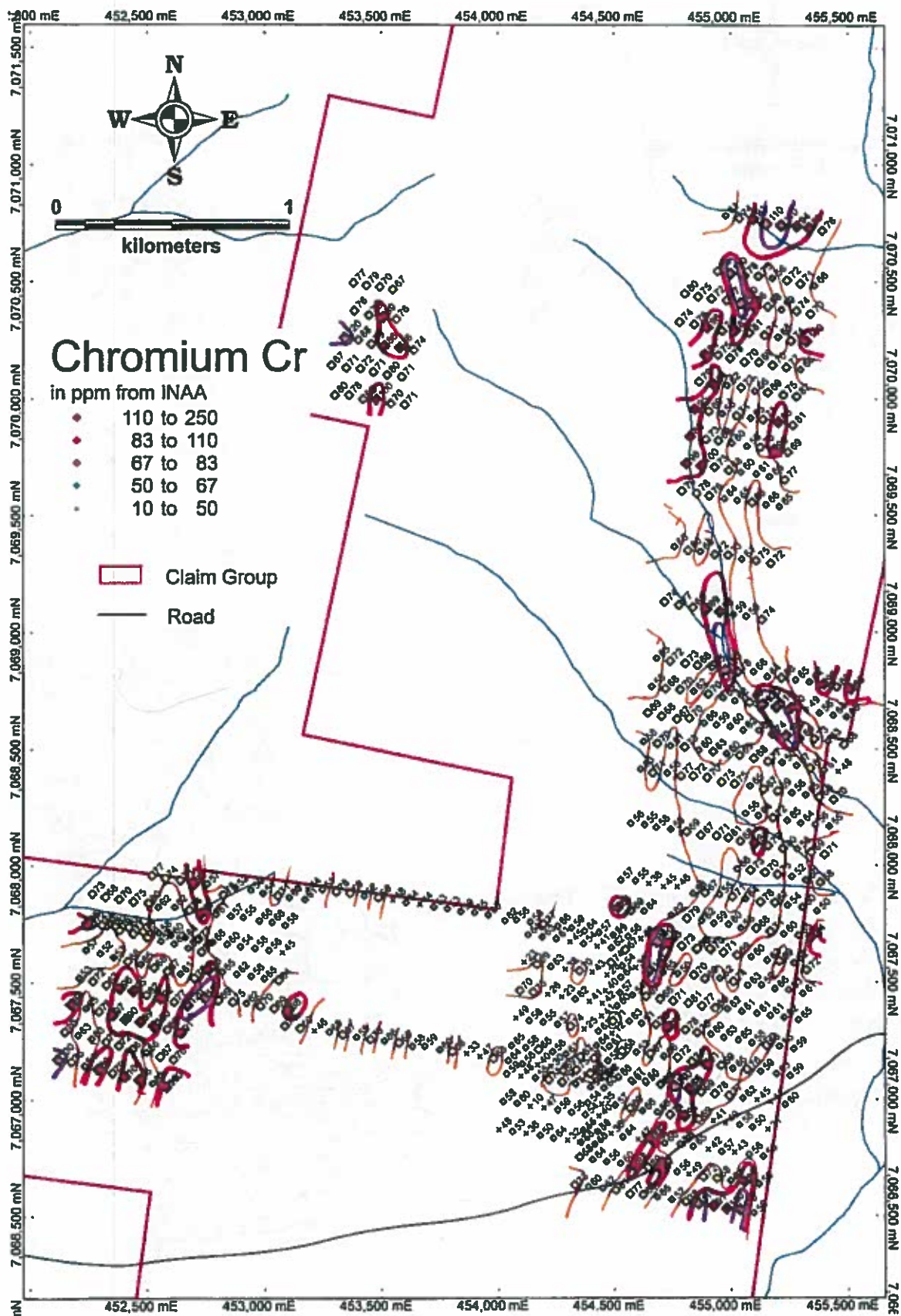
Samples Analysed by INAA

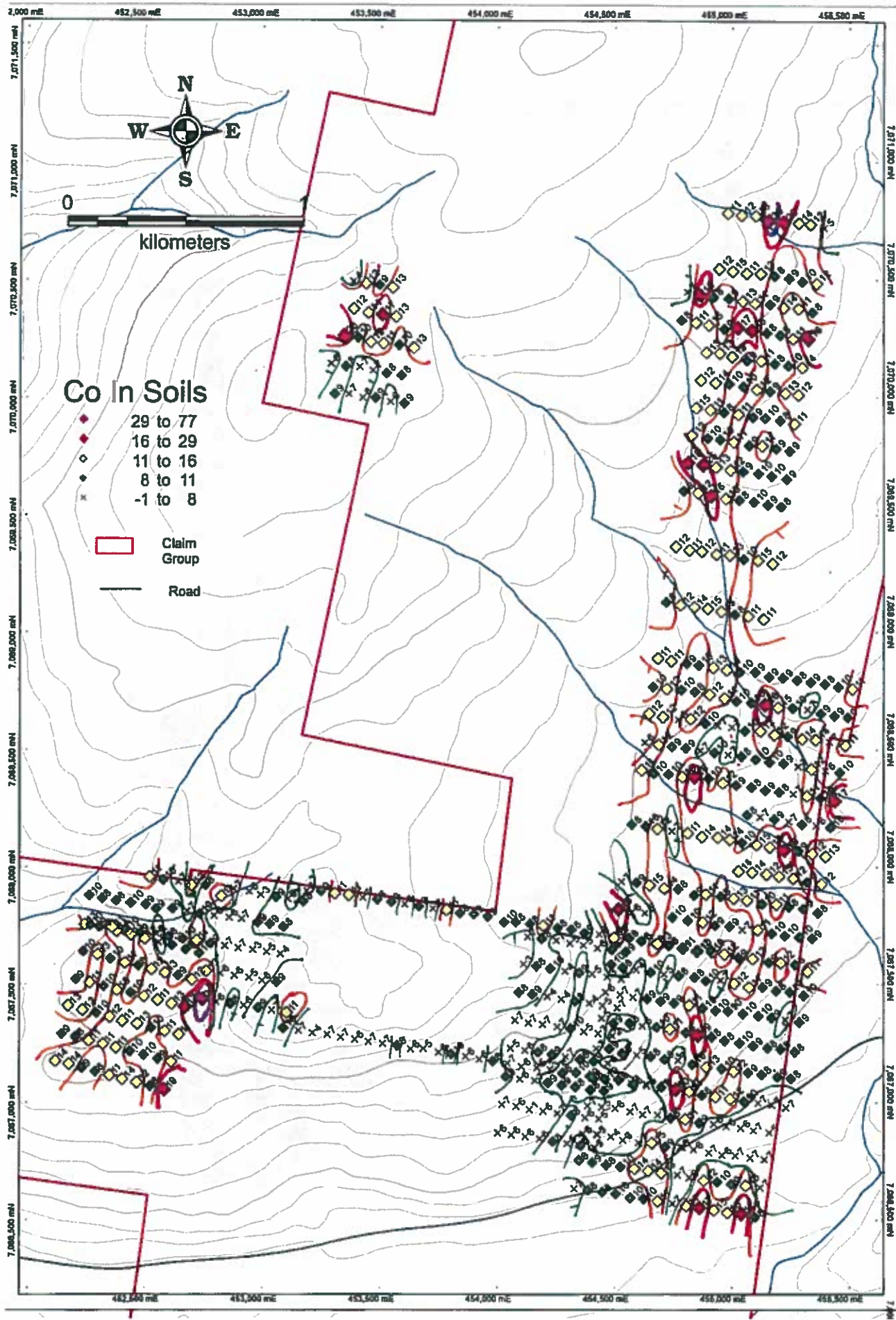


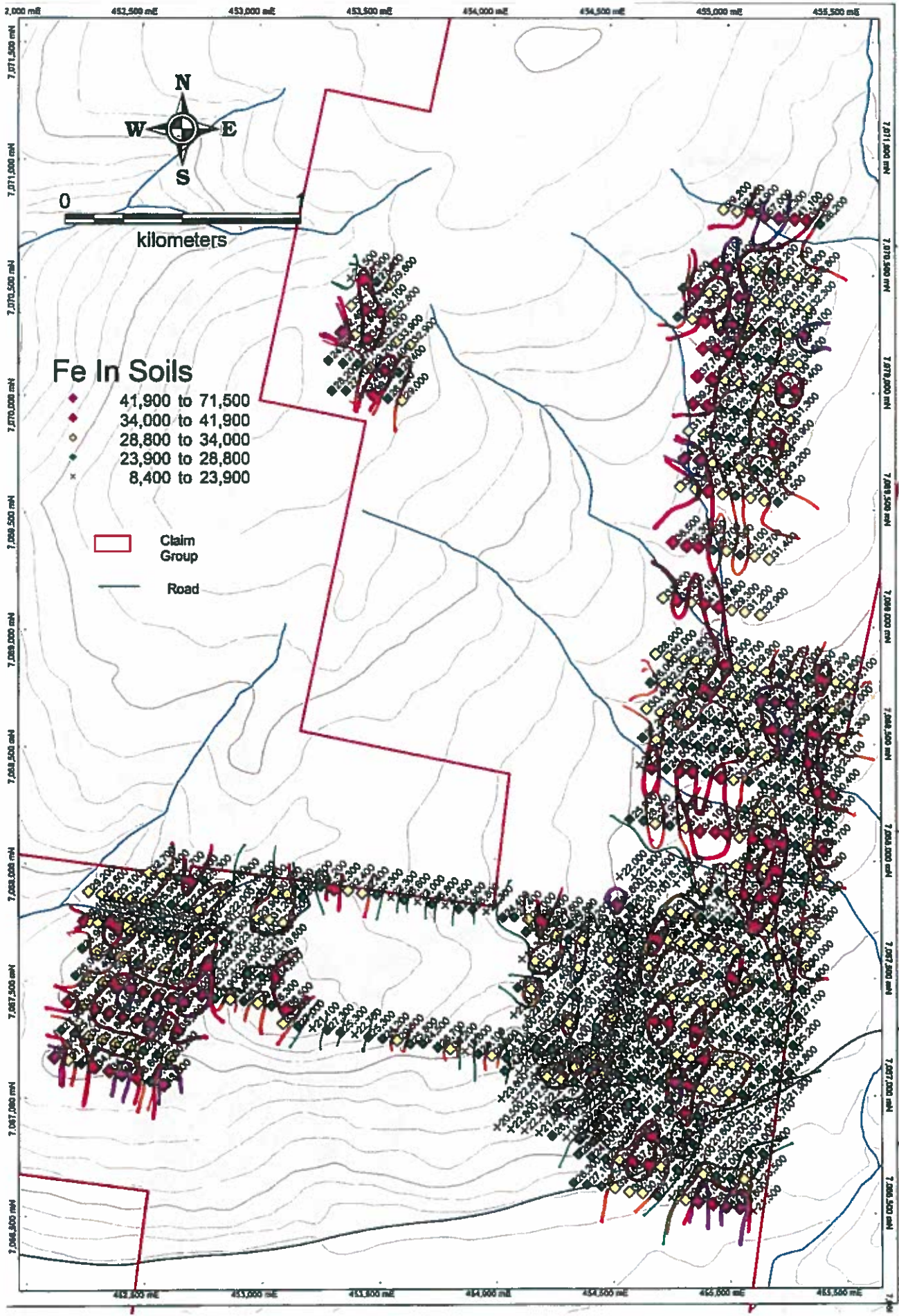


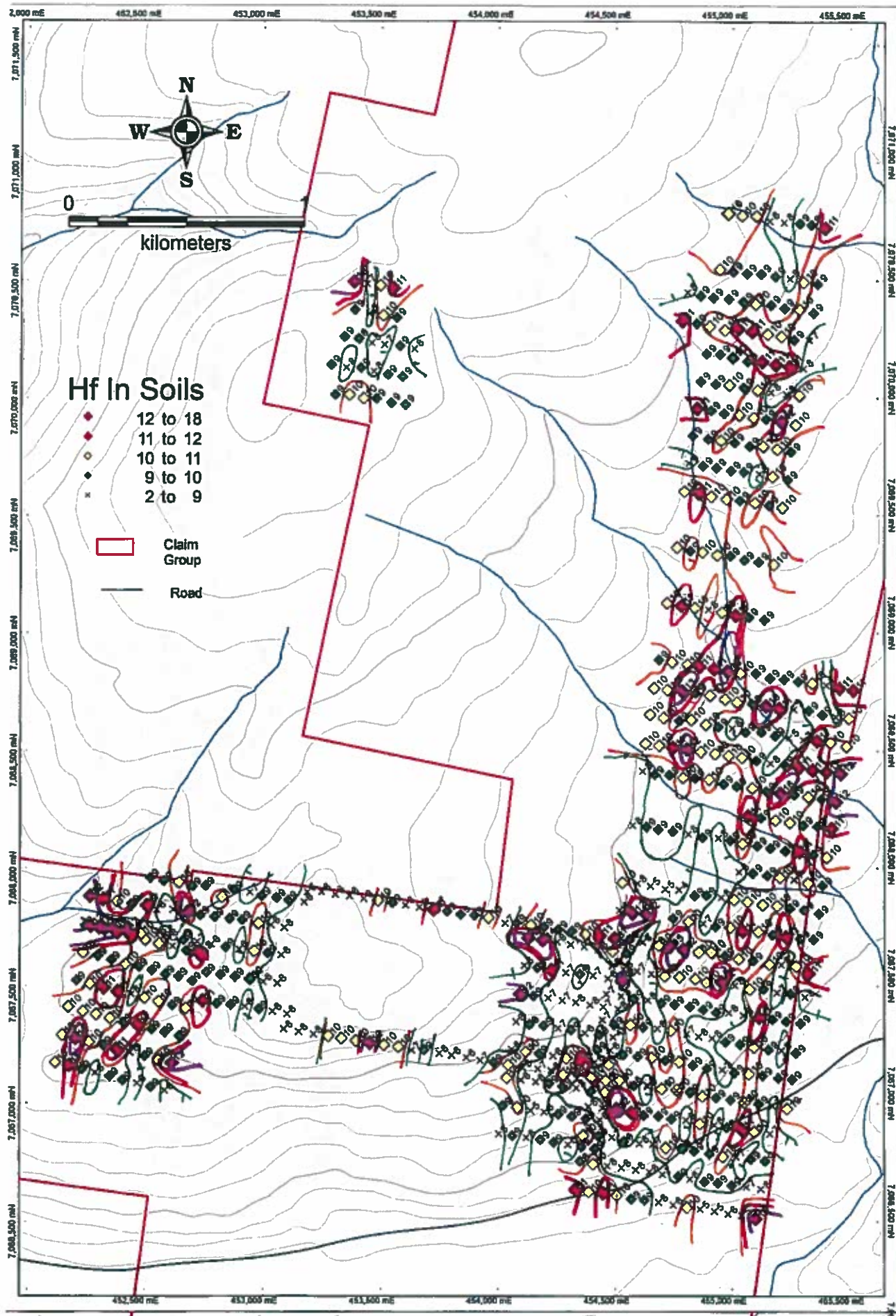


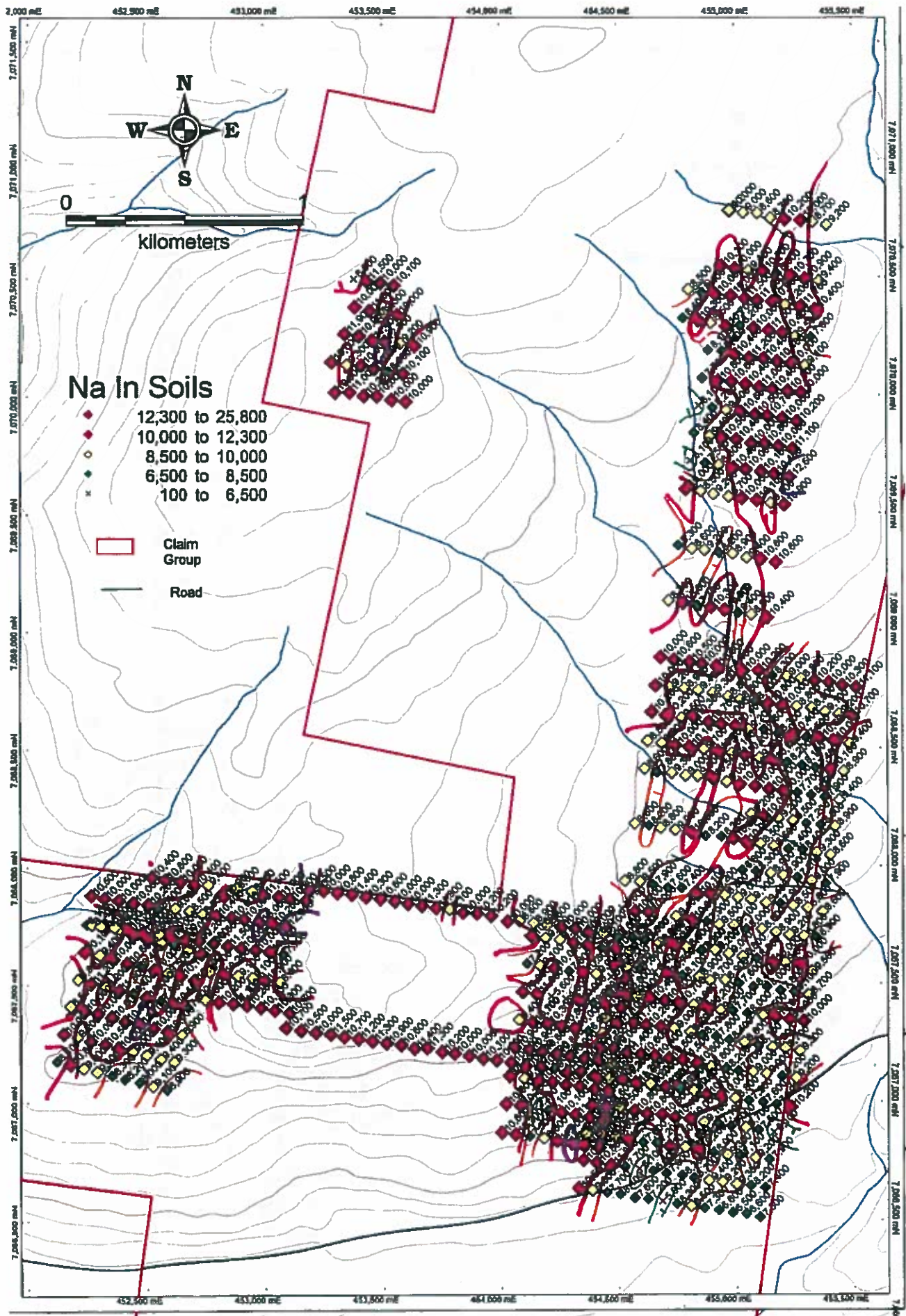


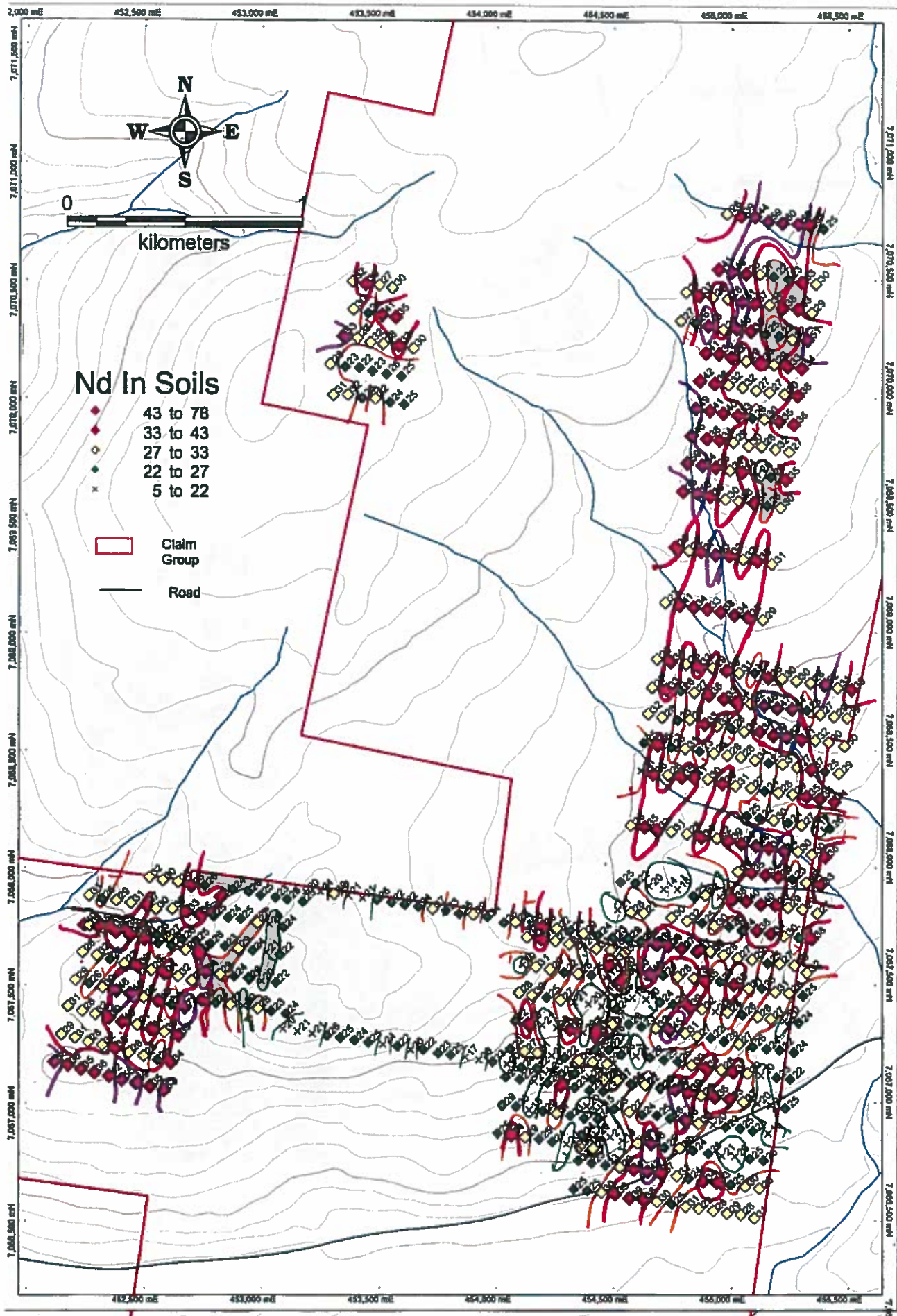


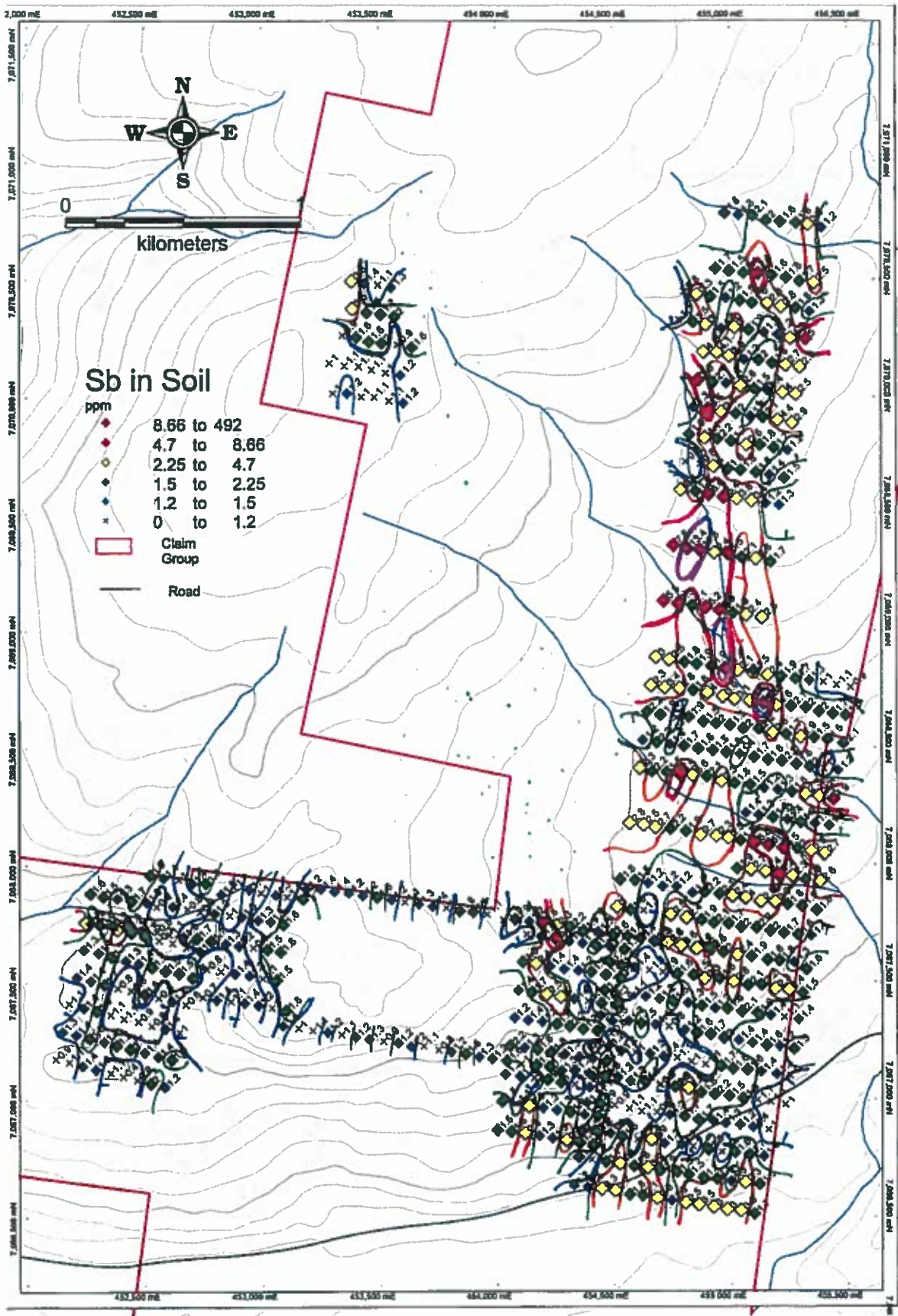


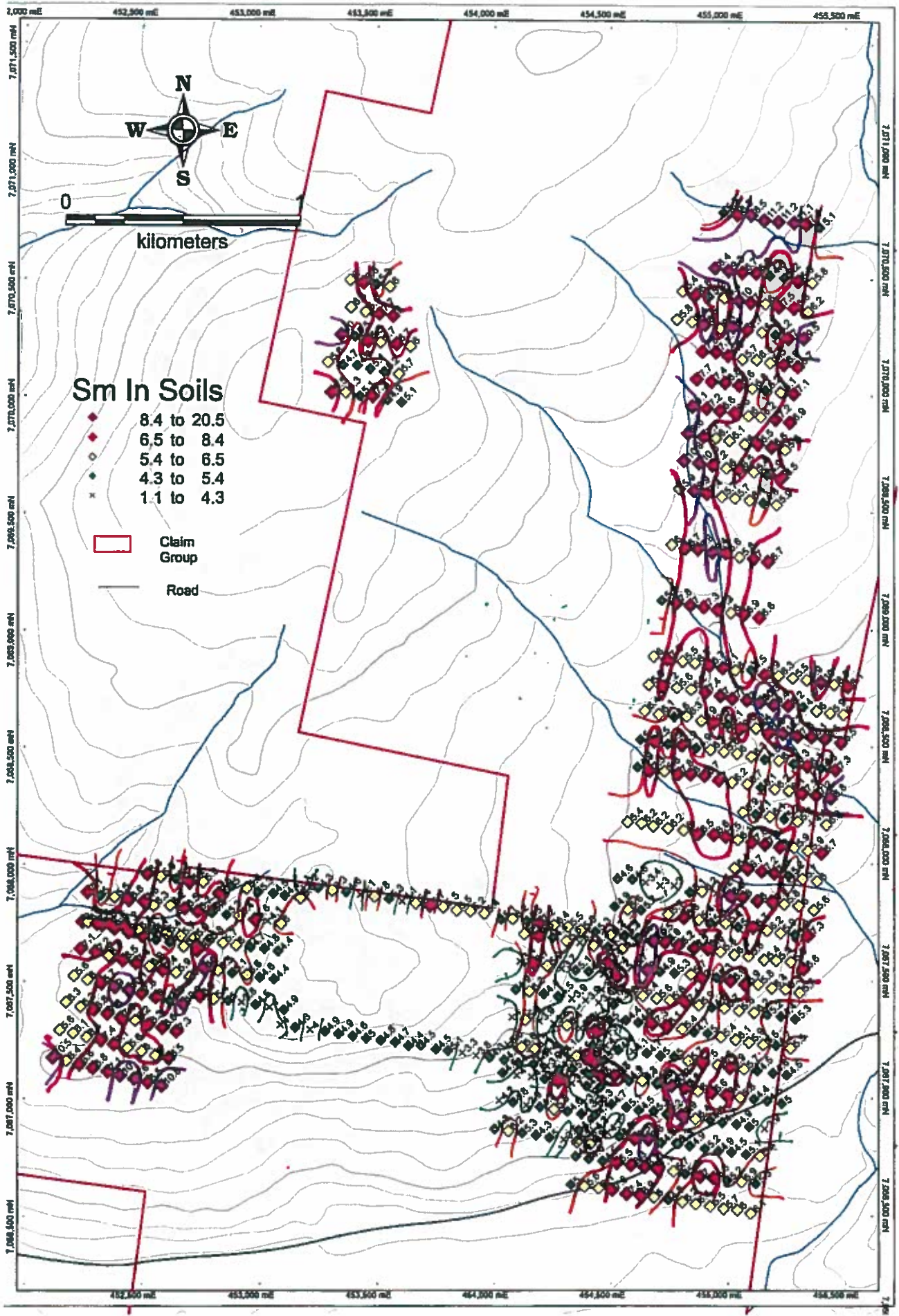


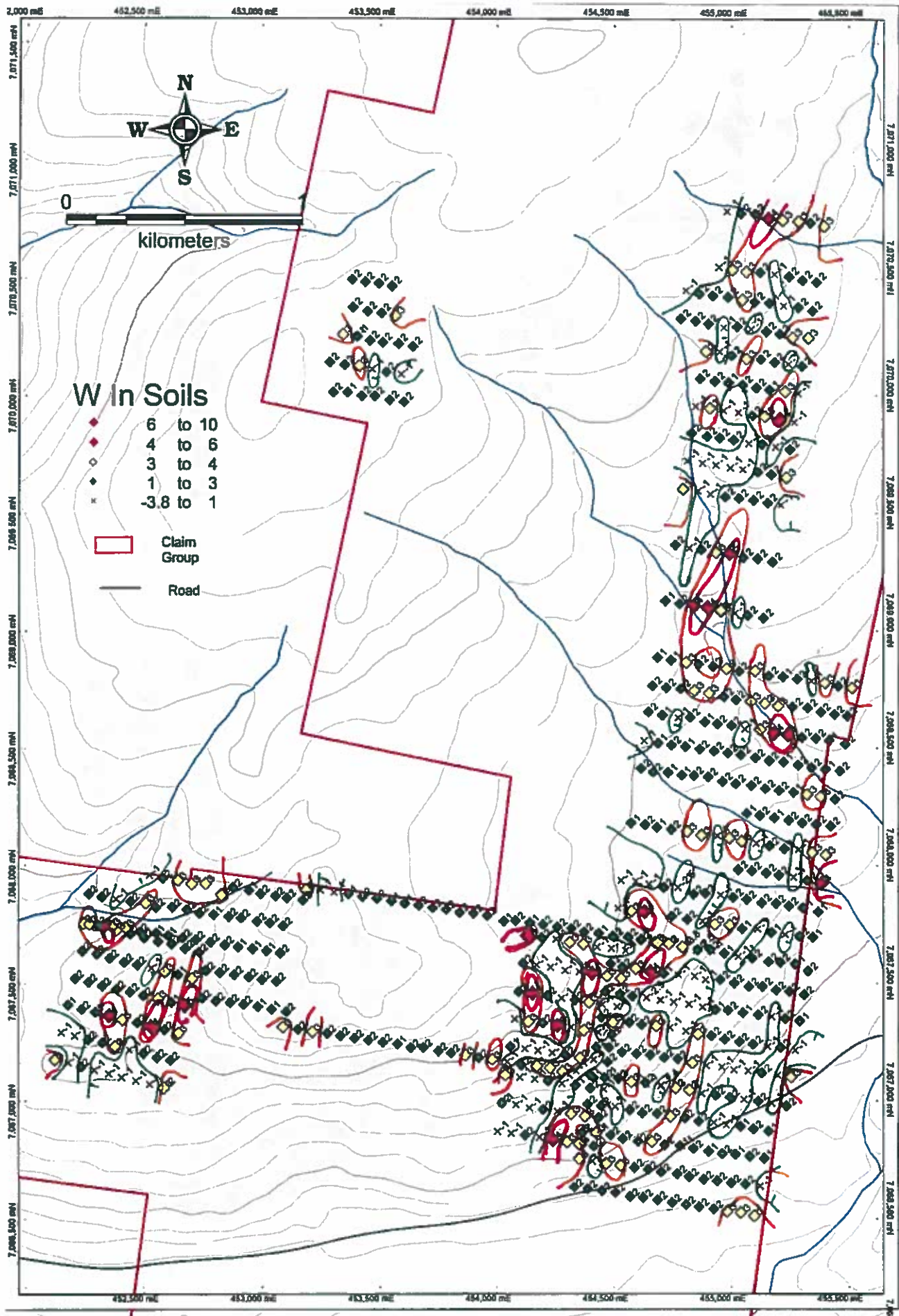


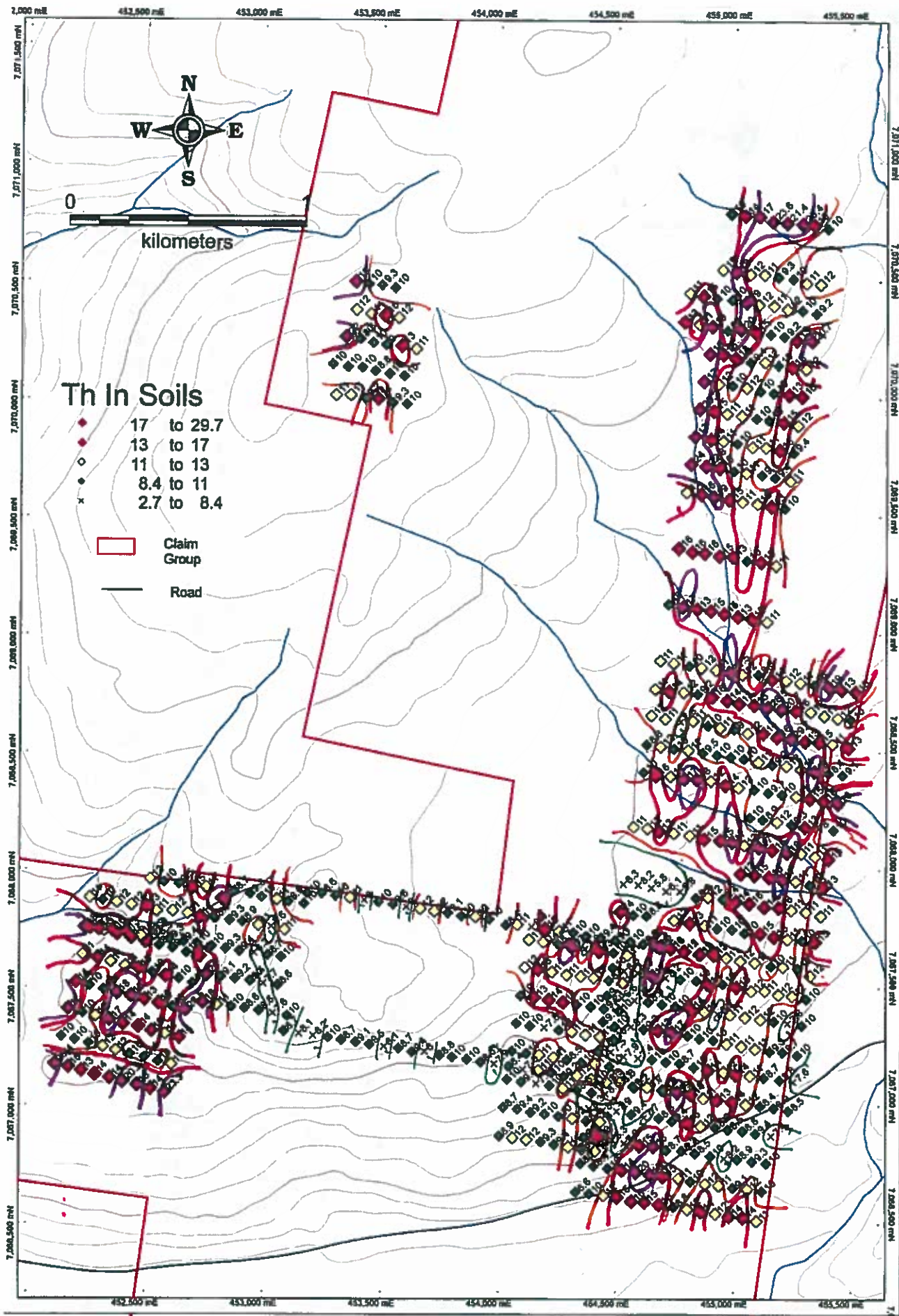


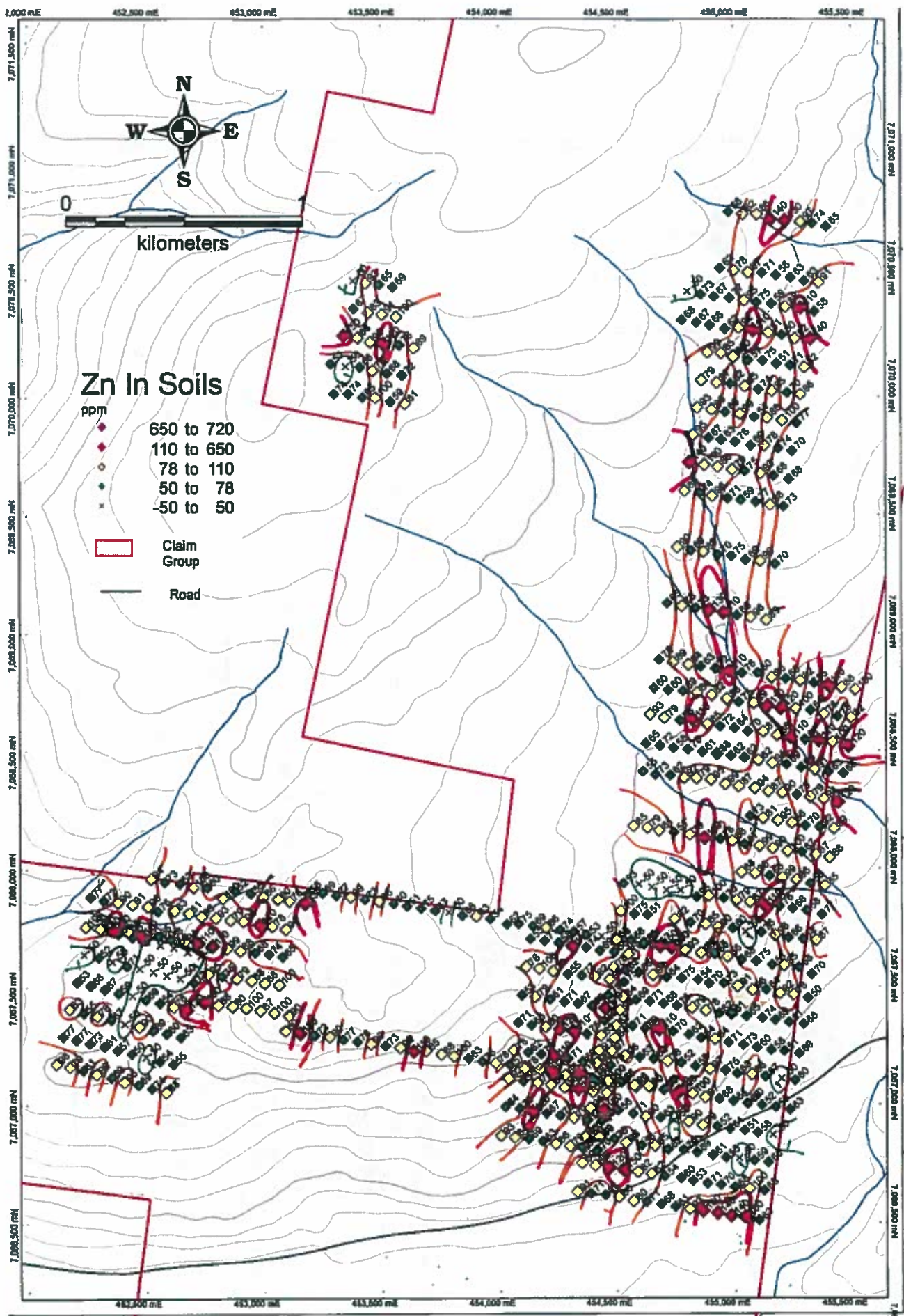


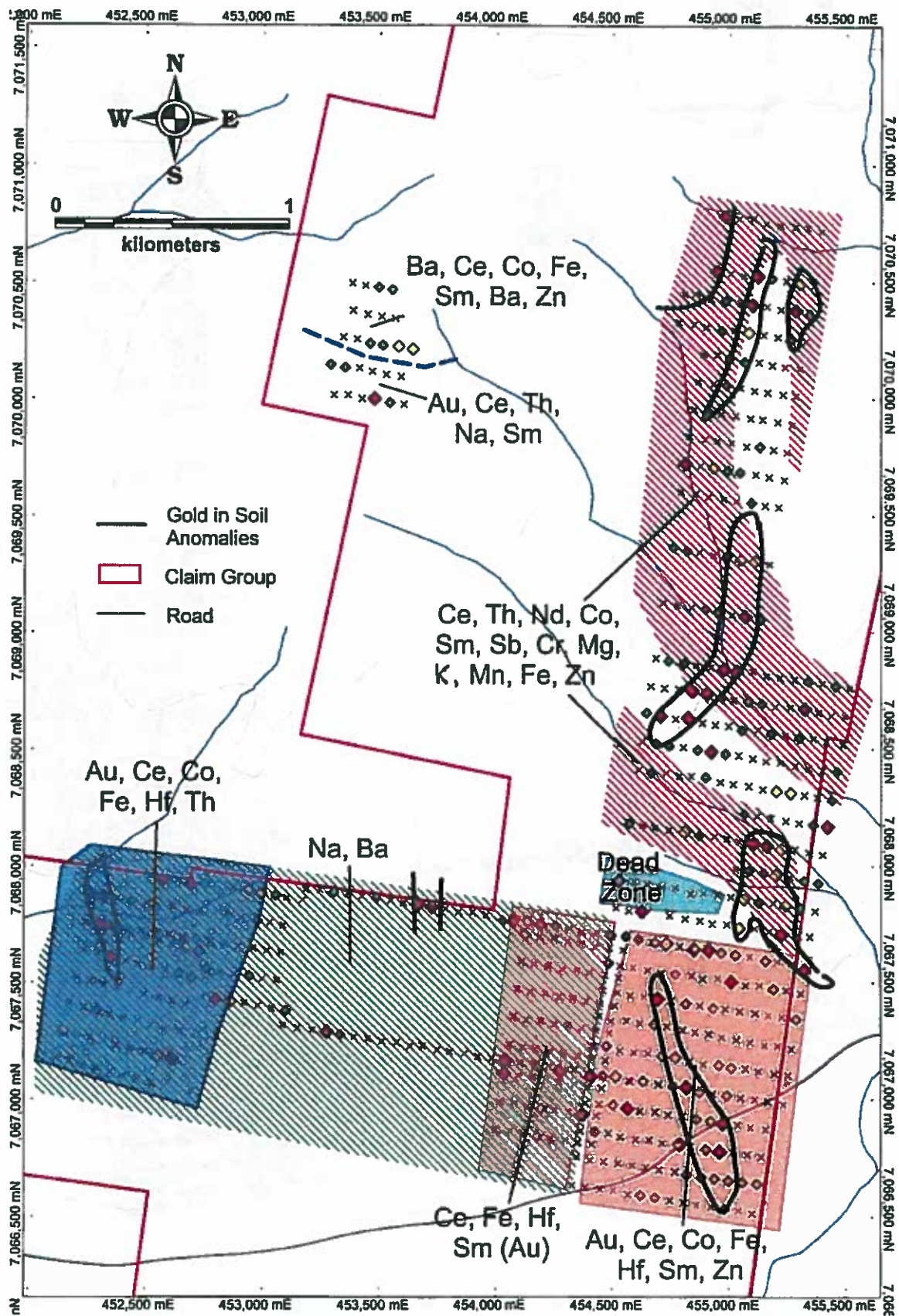






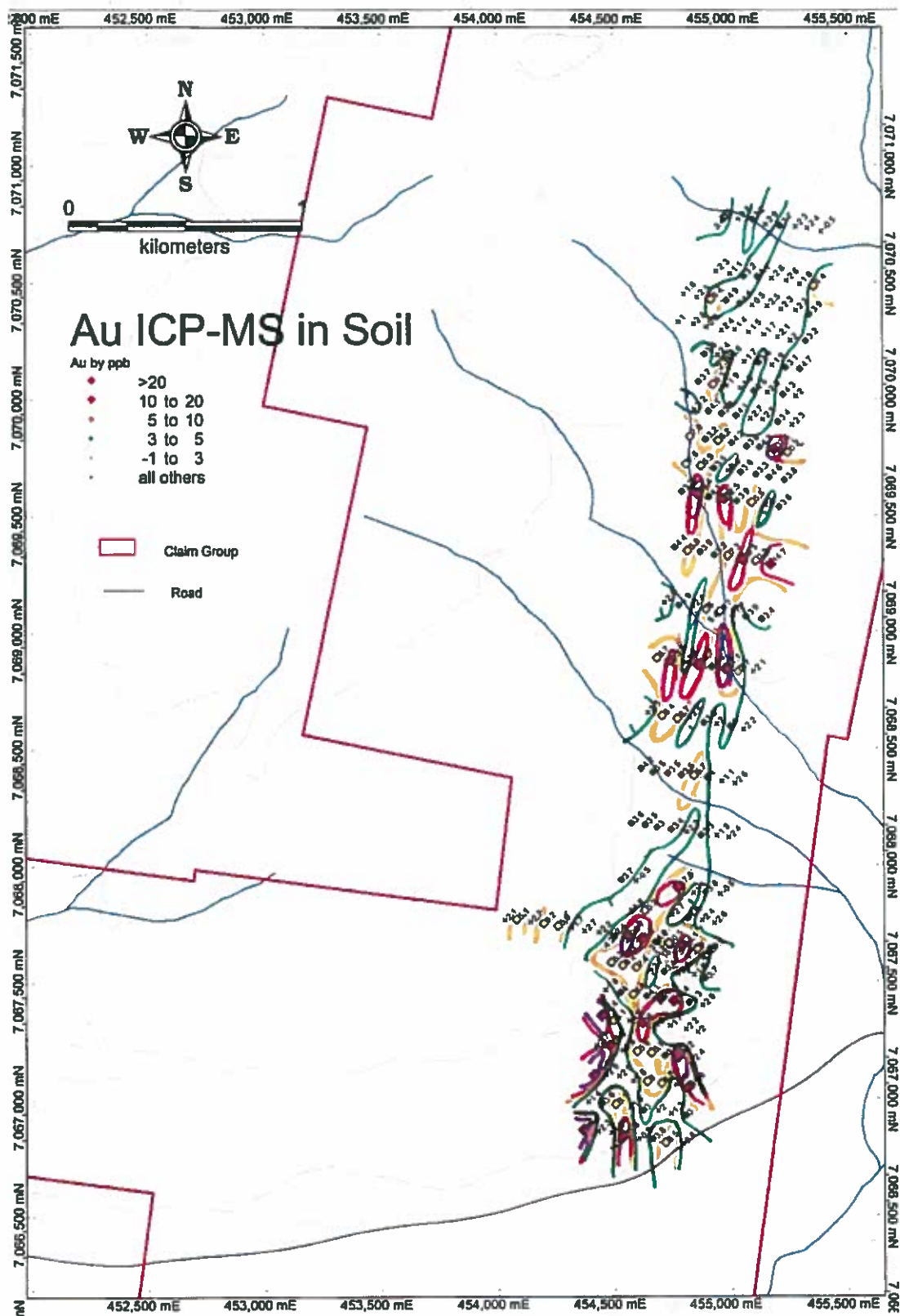


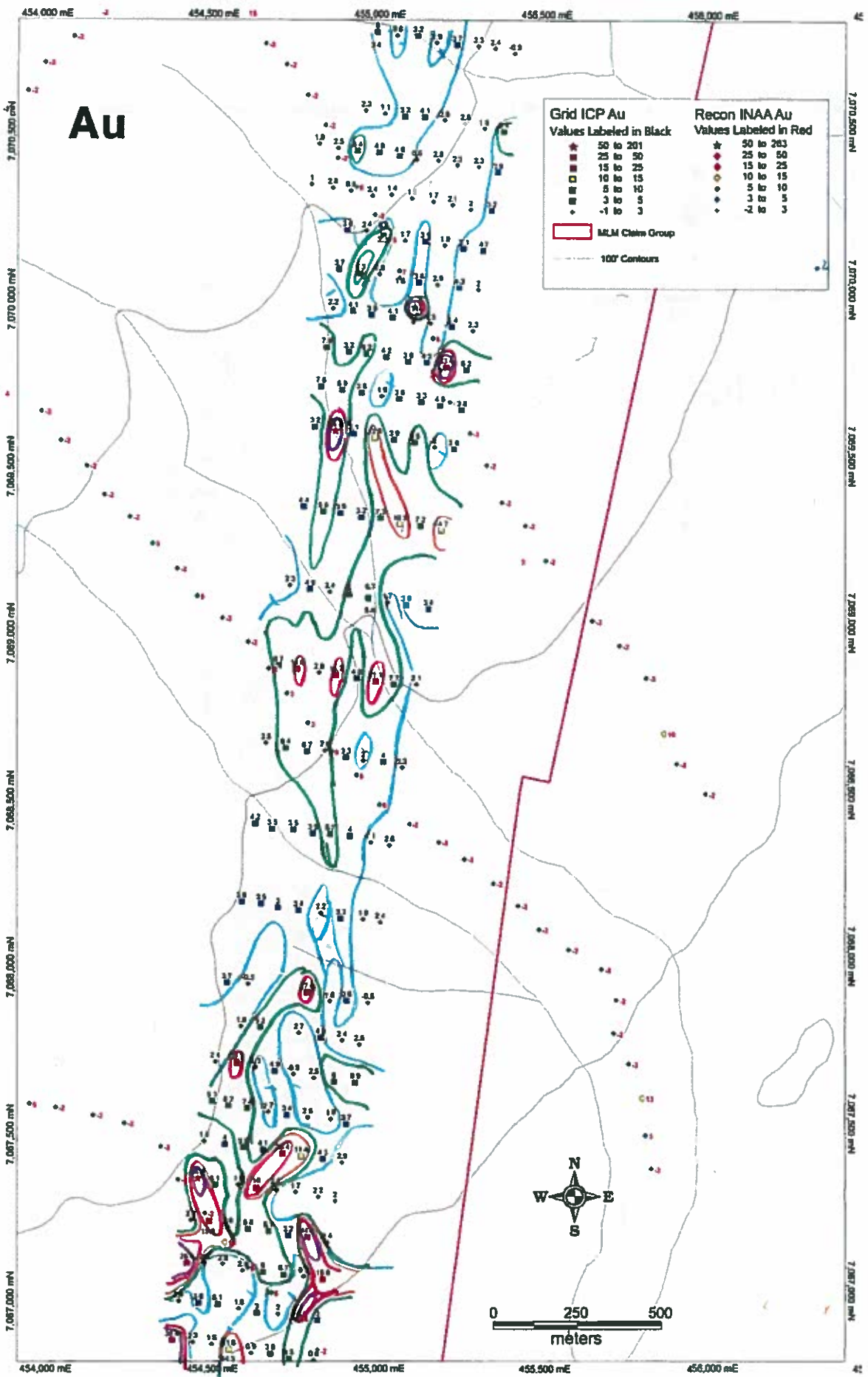


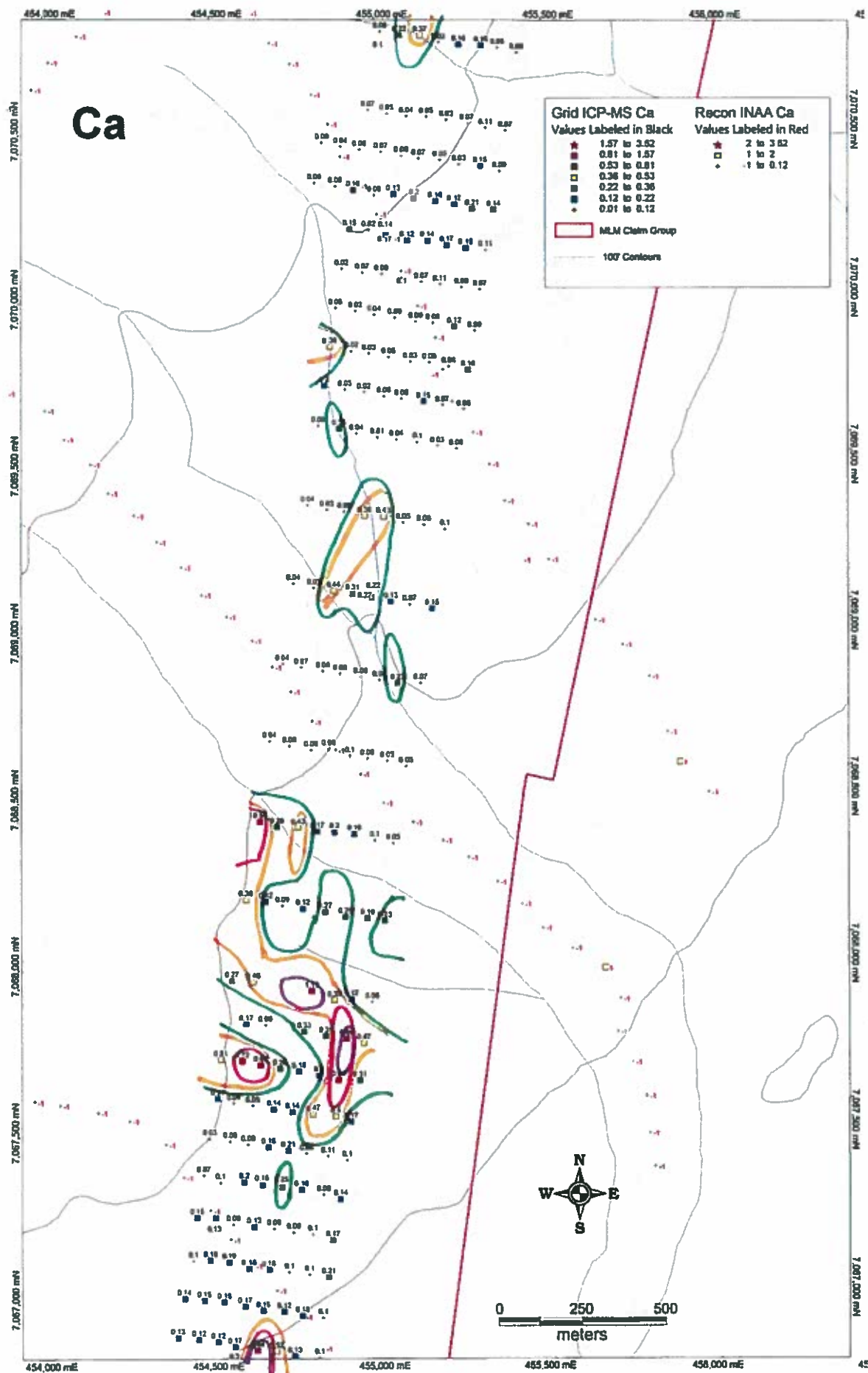


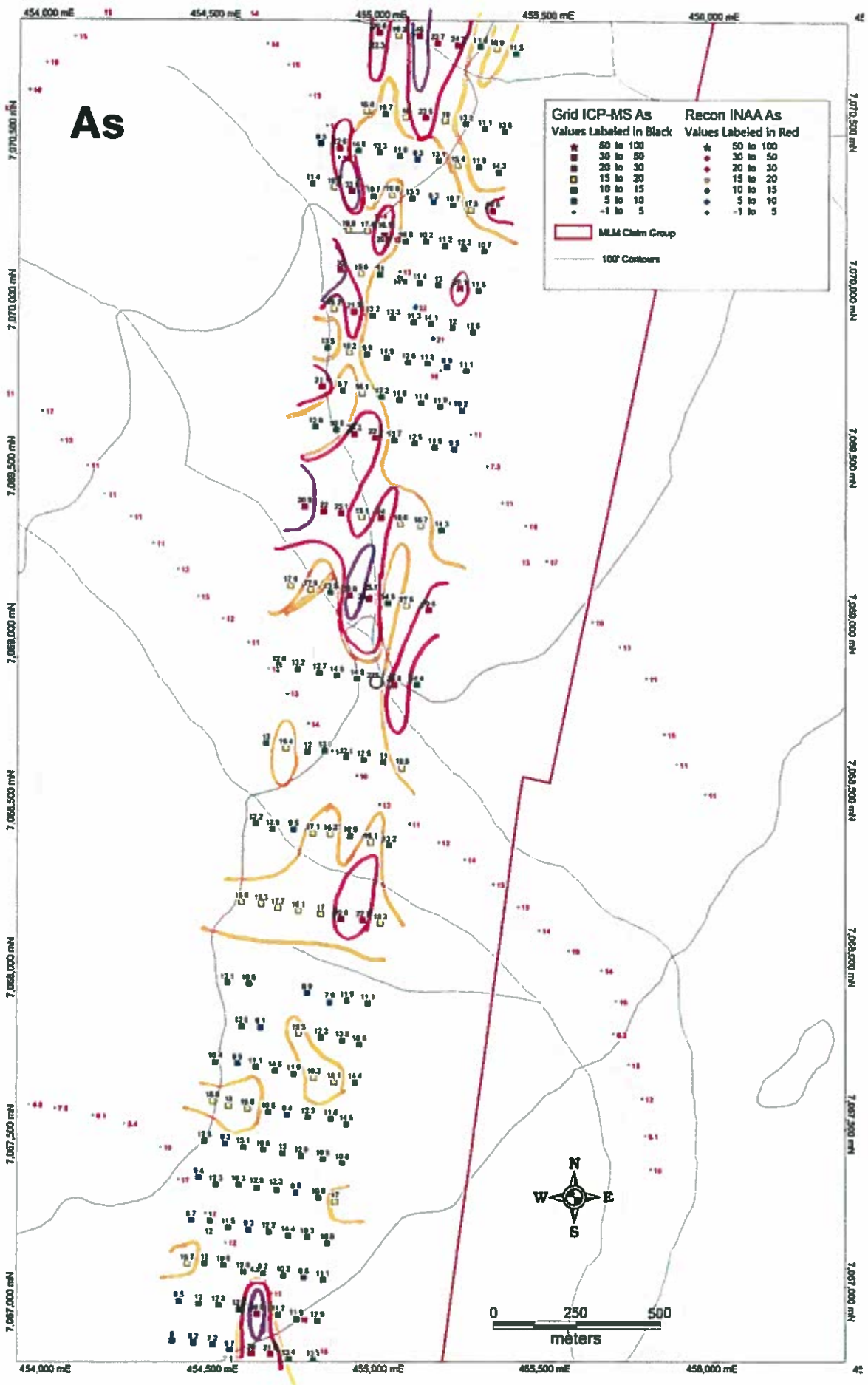
Appendix E: Trail-Minto Contour Plots for 2015

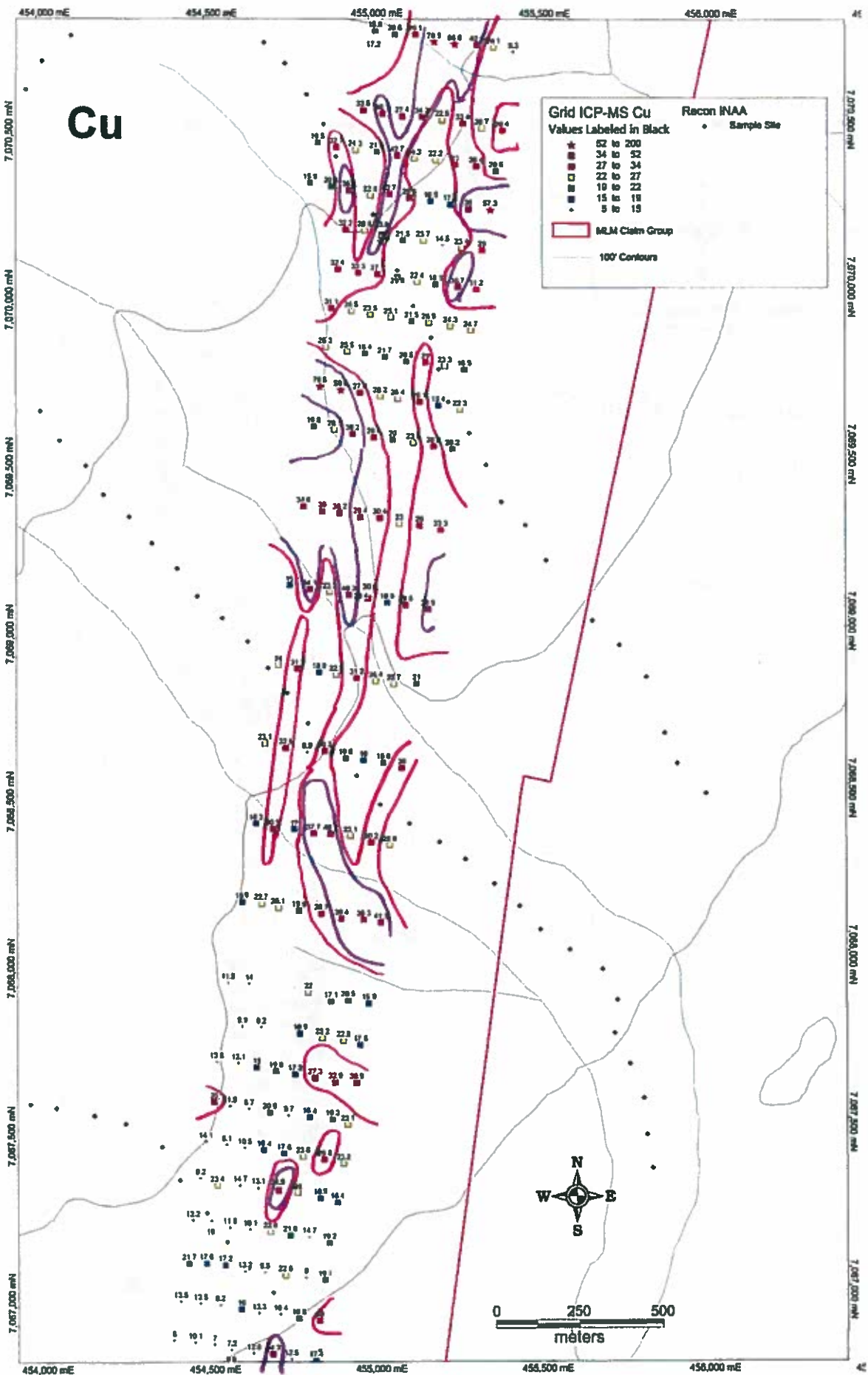
samples analyzed by ICP-MS after aqua regia digestion

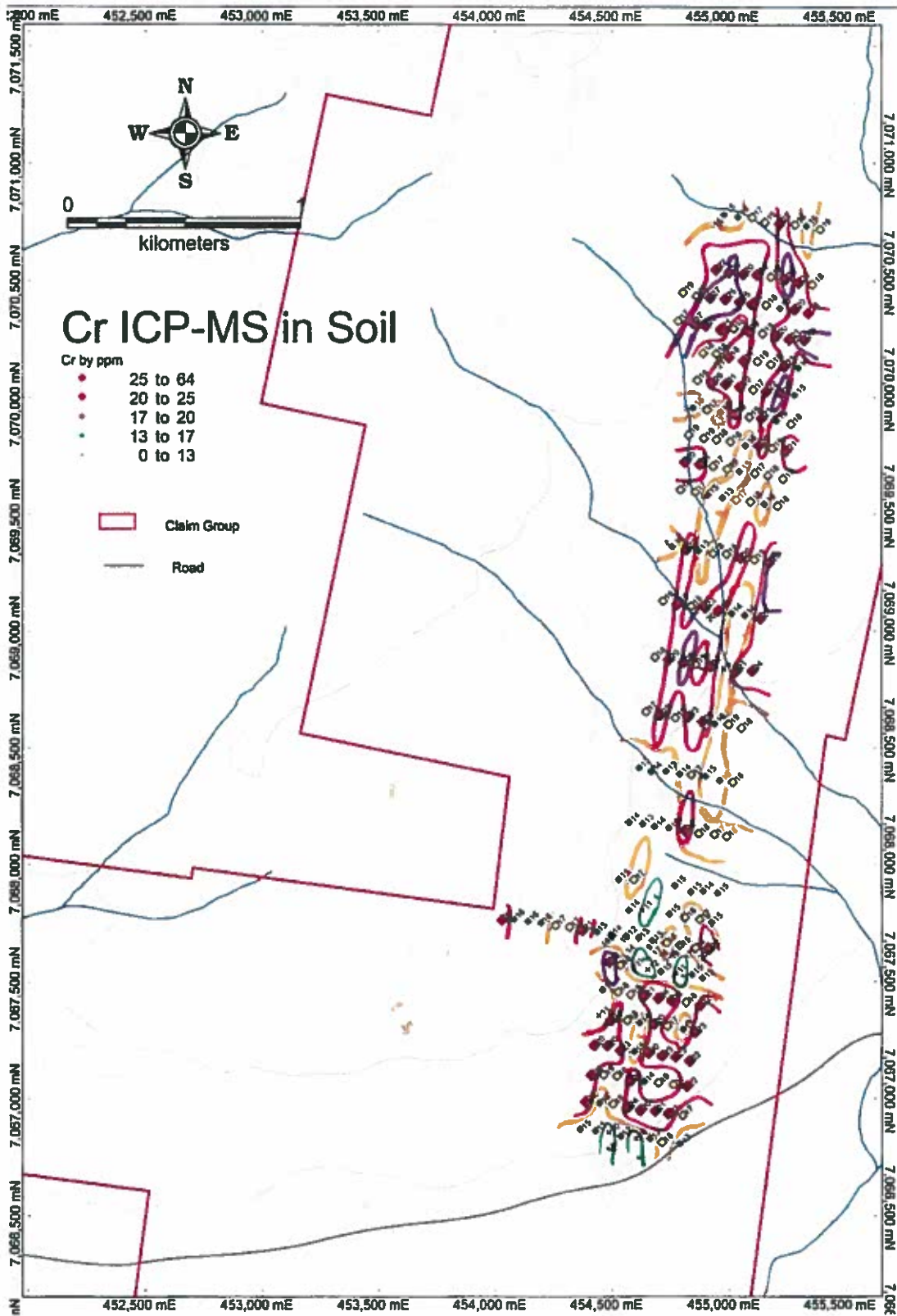


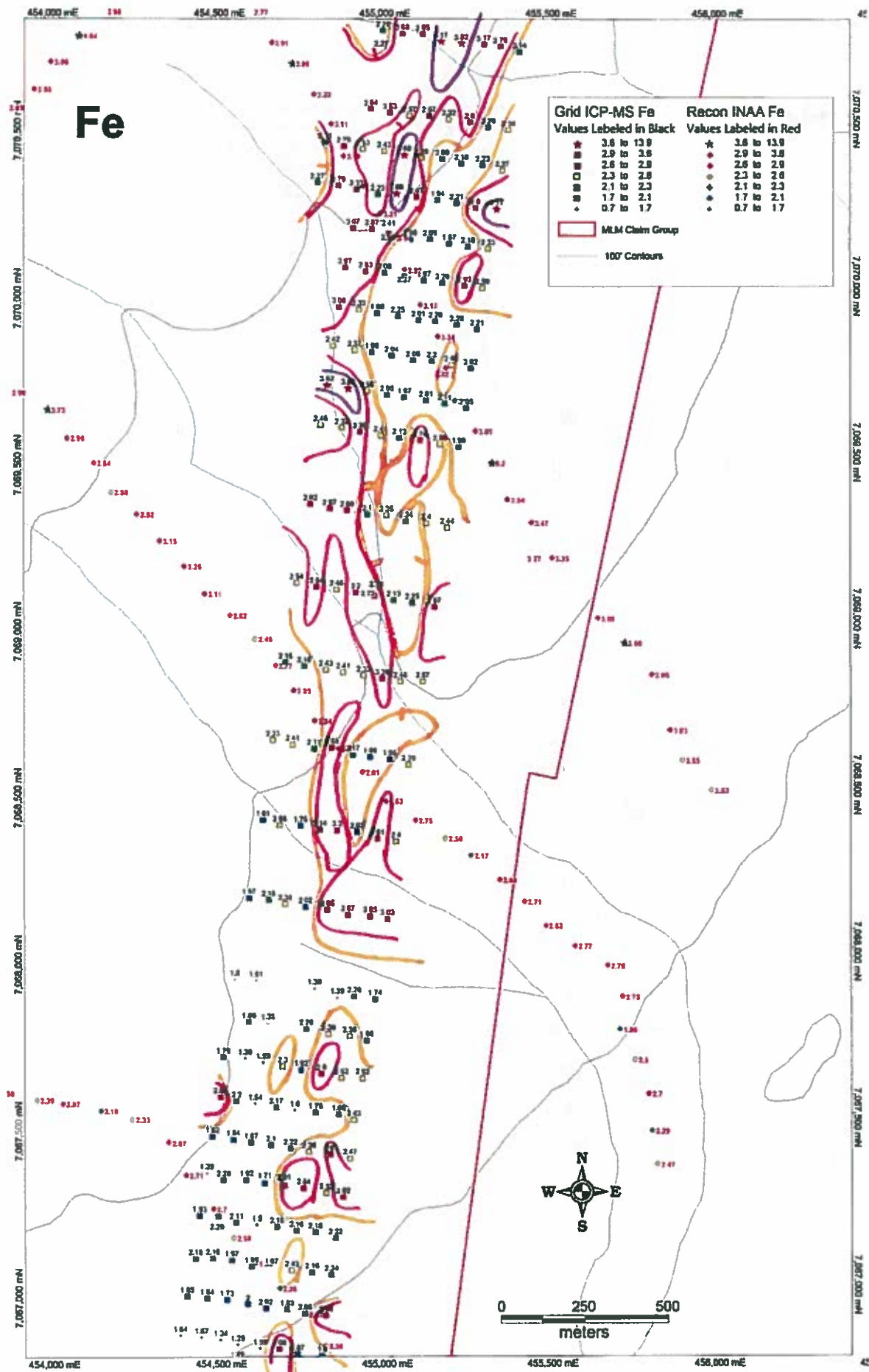


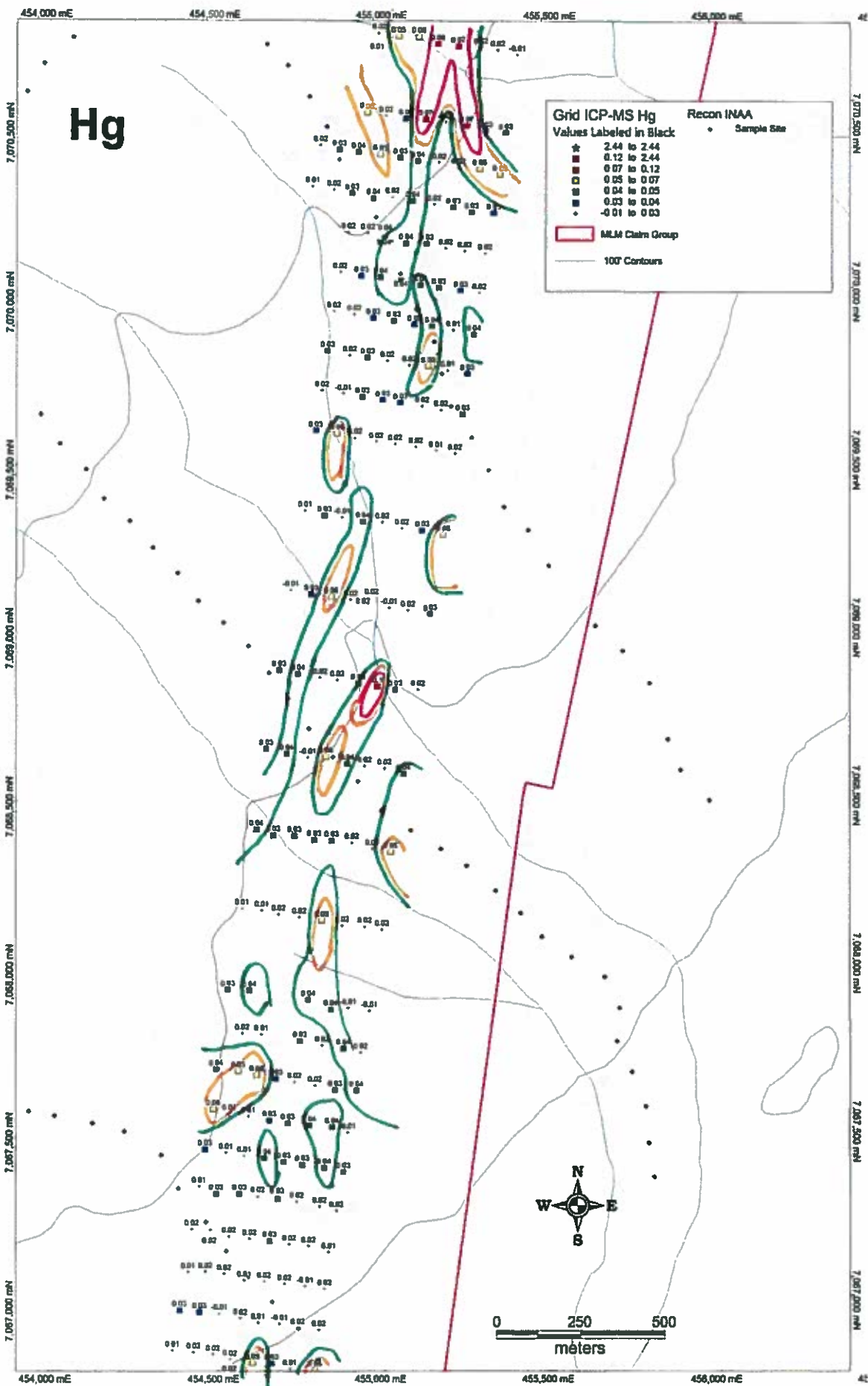


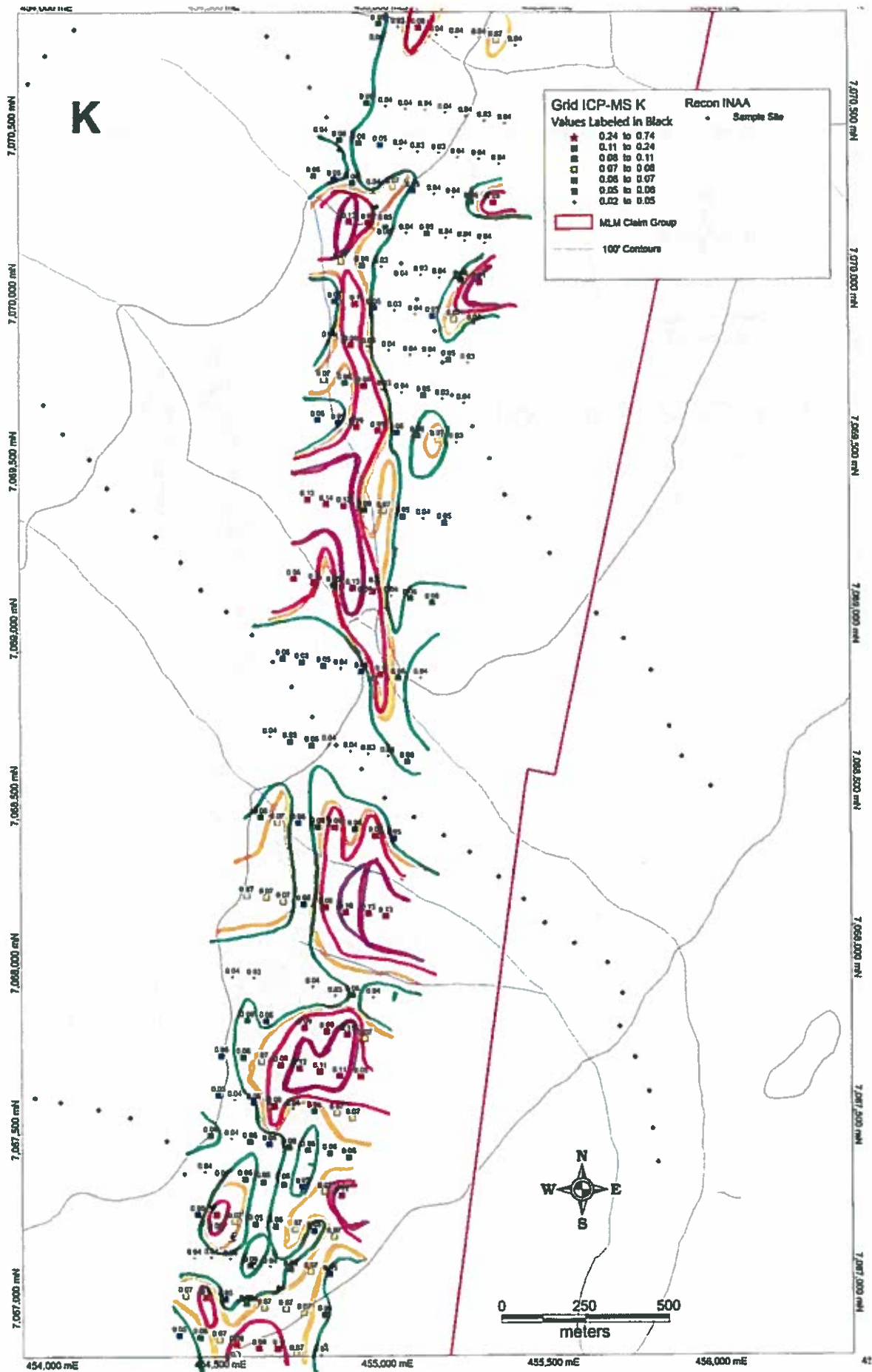


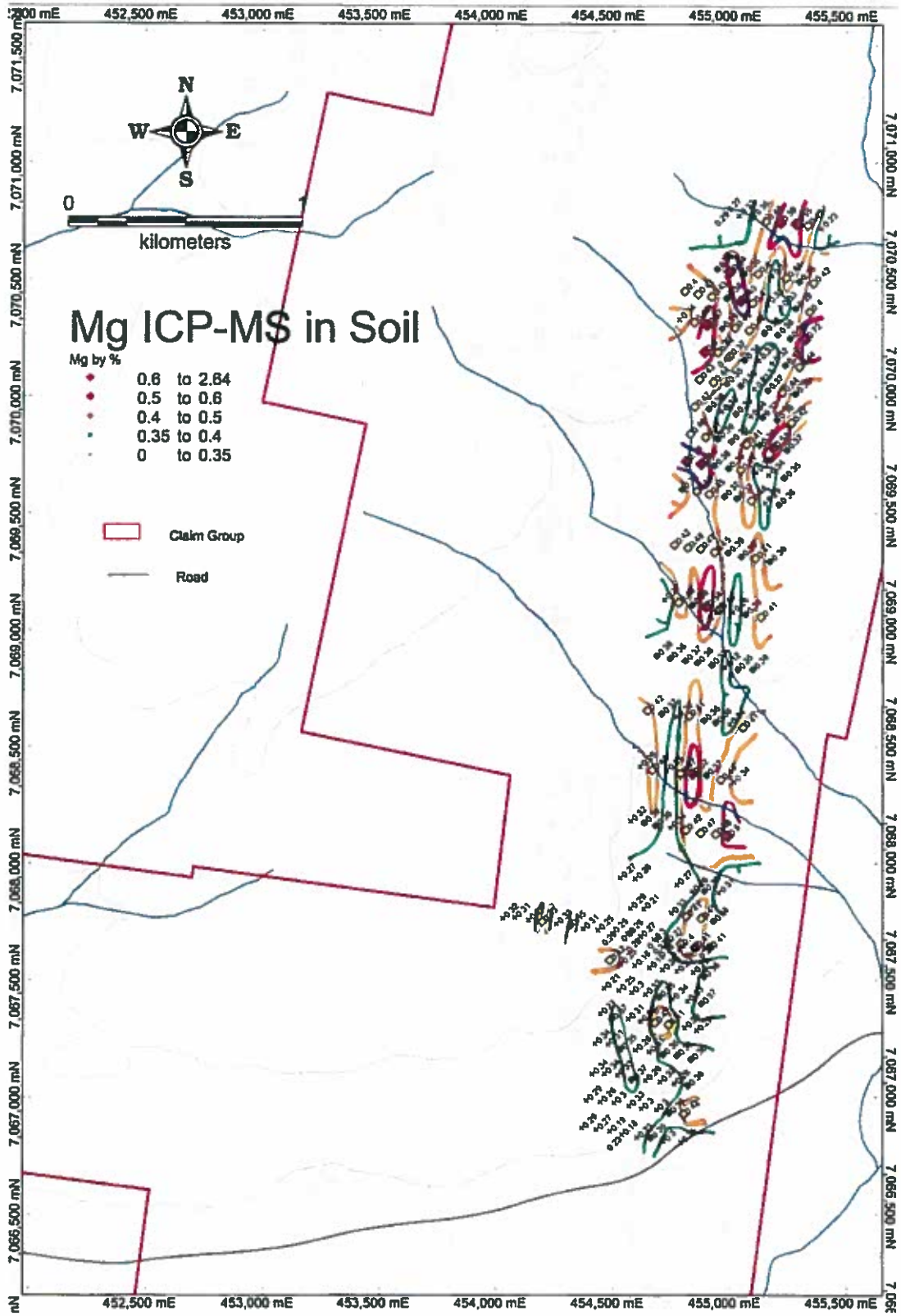


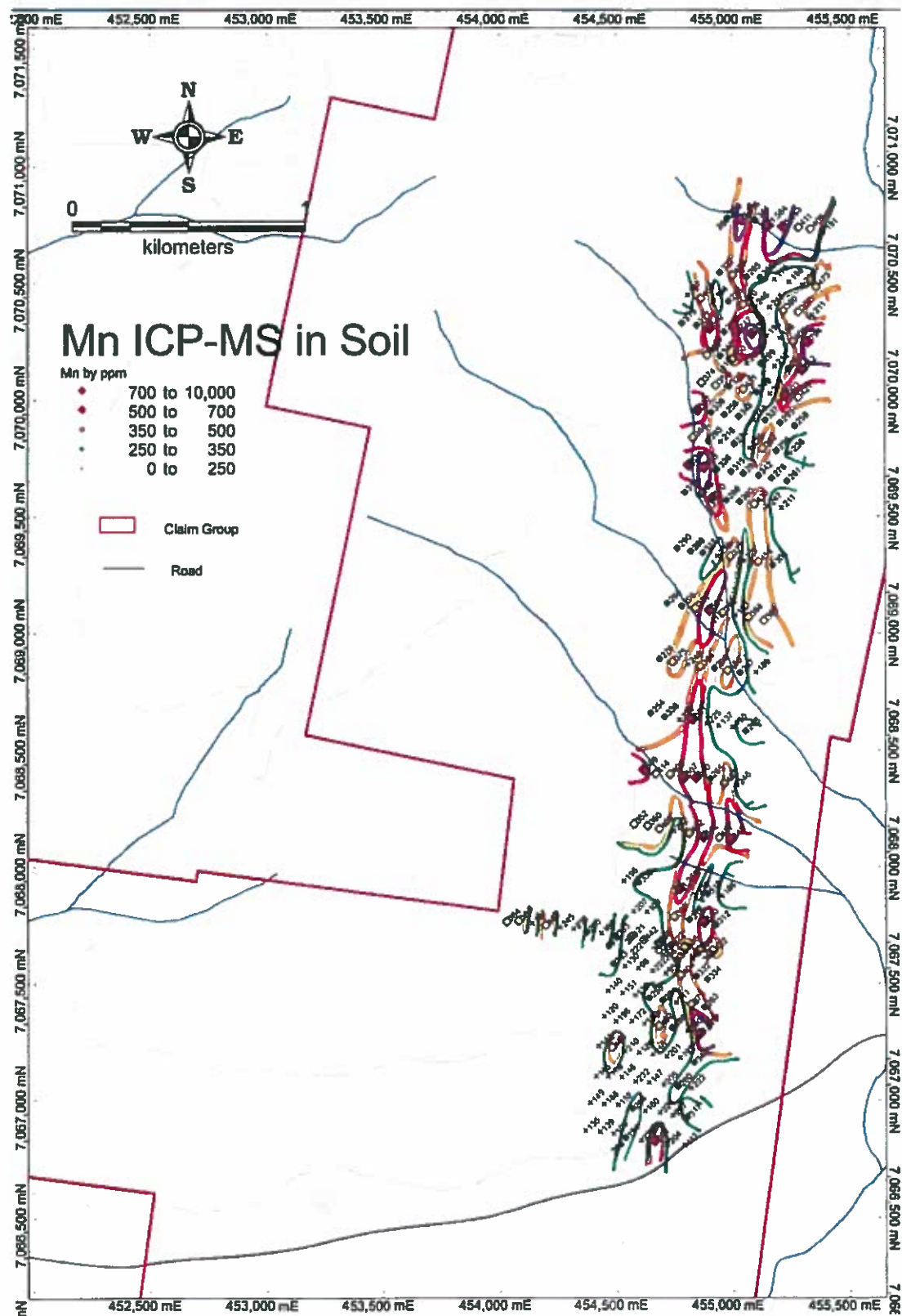


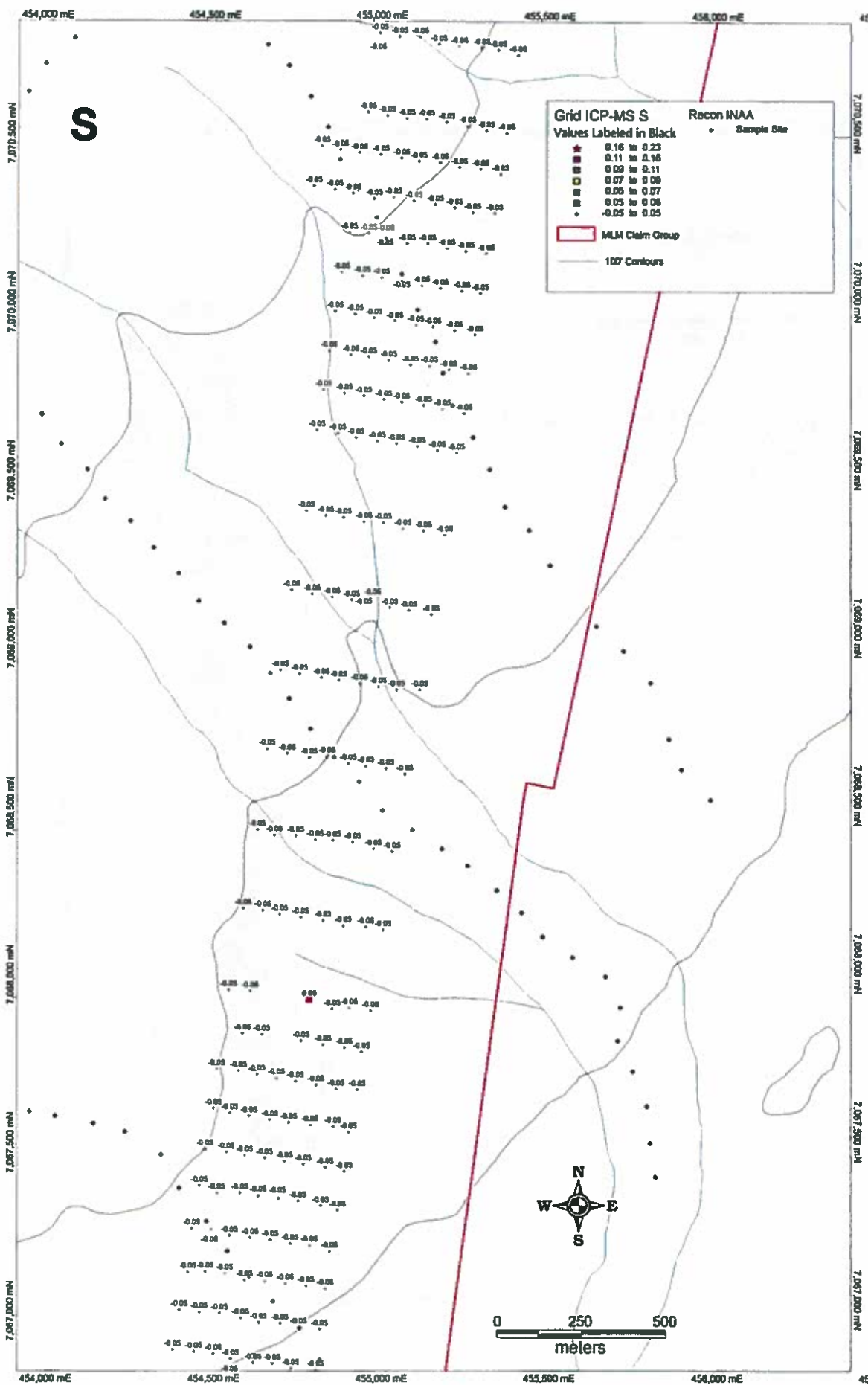


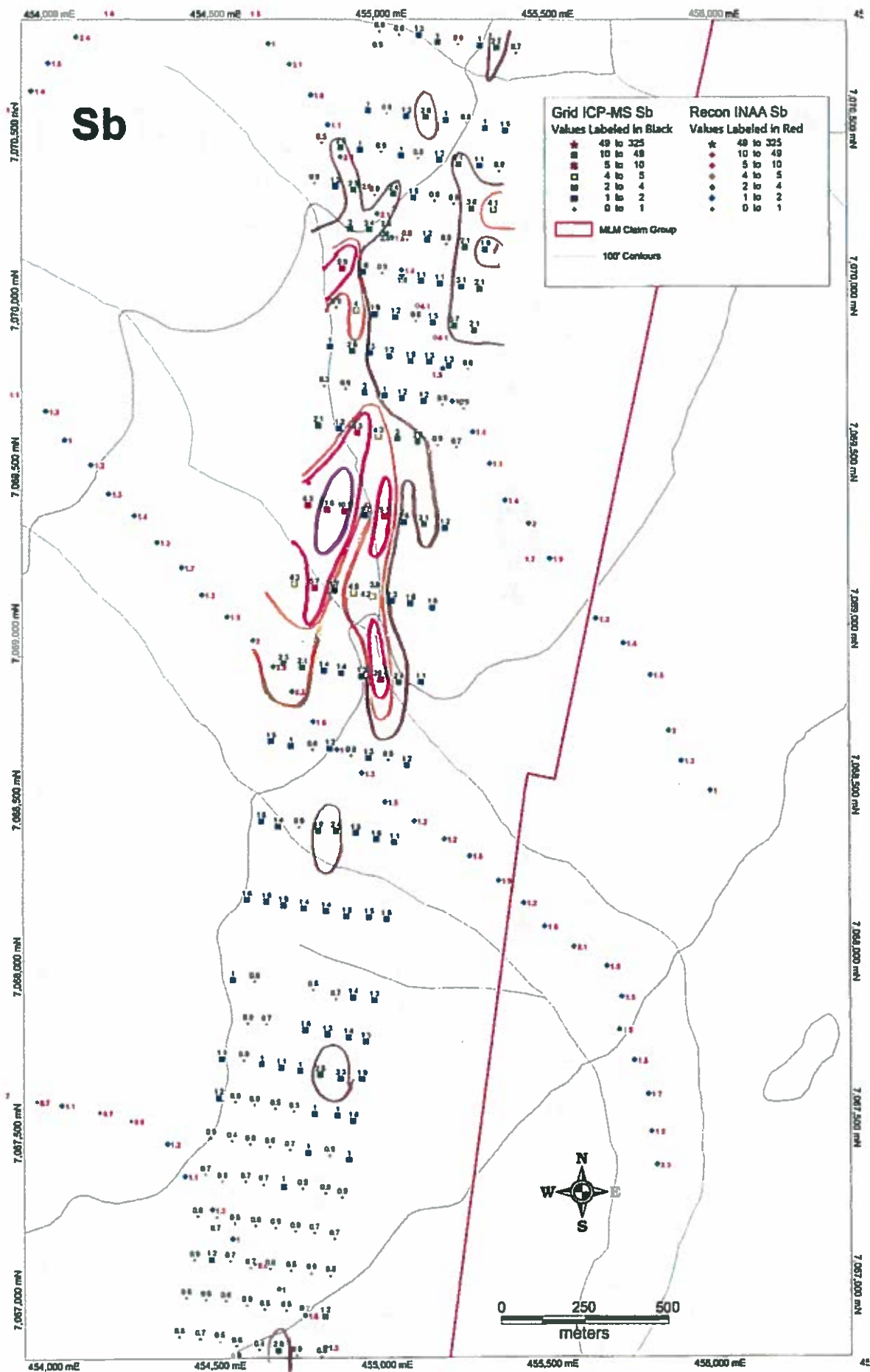


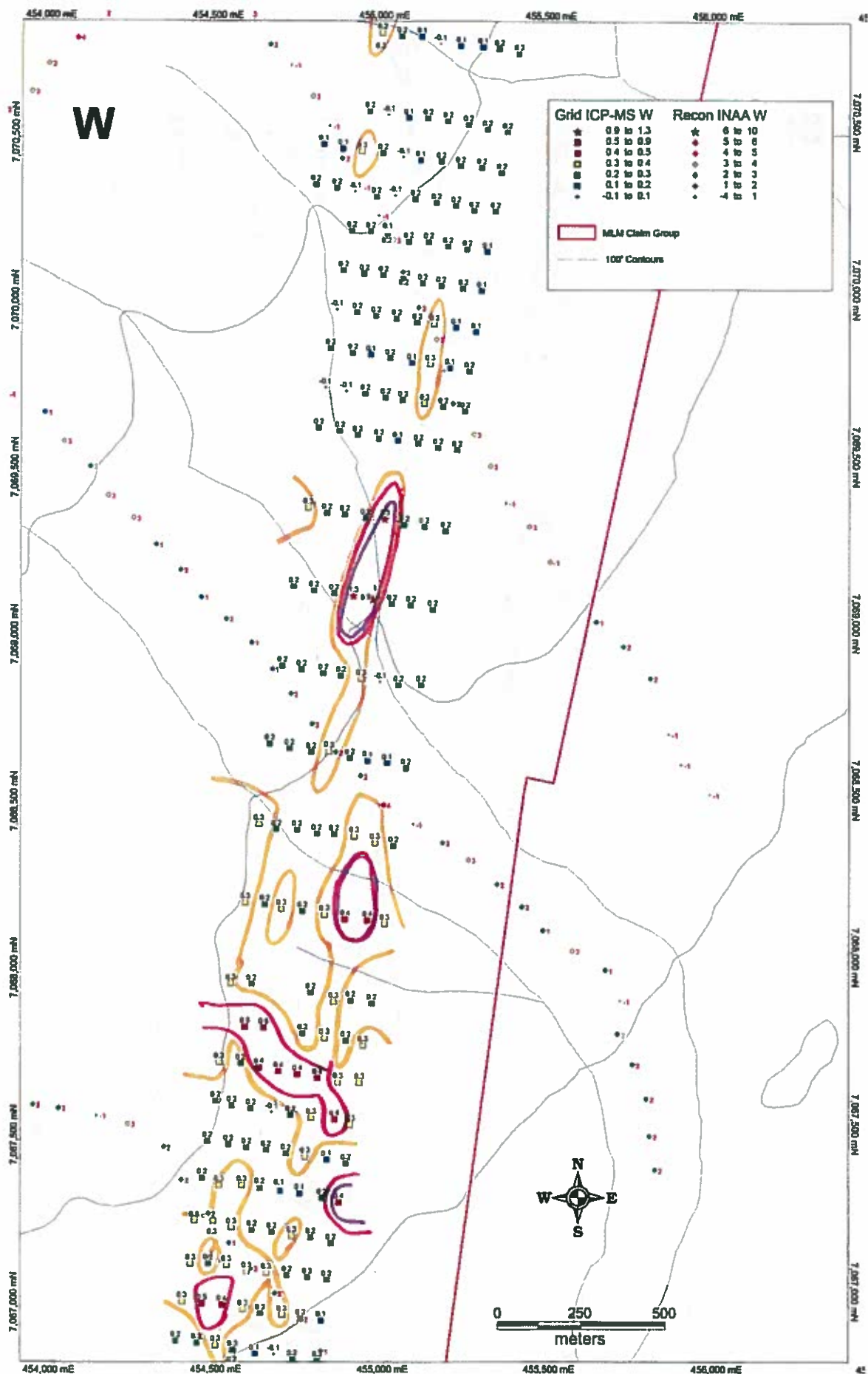


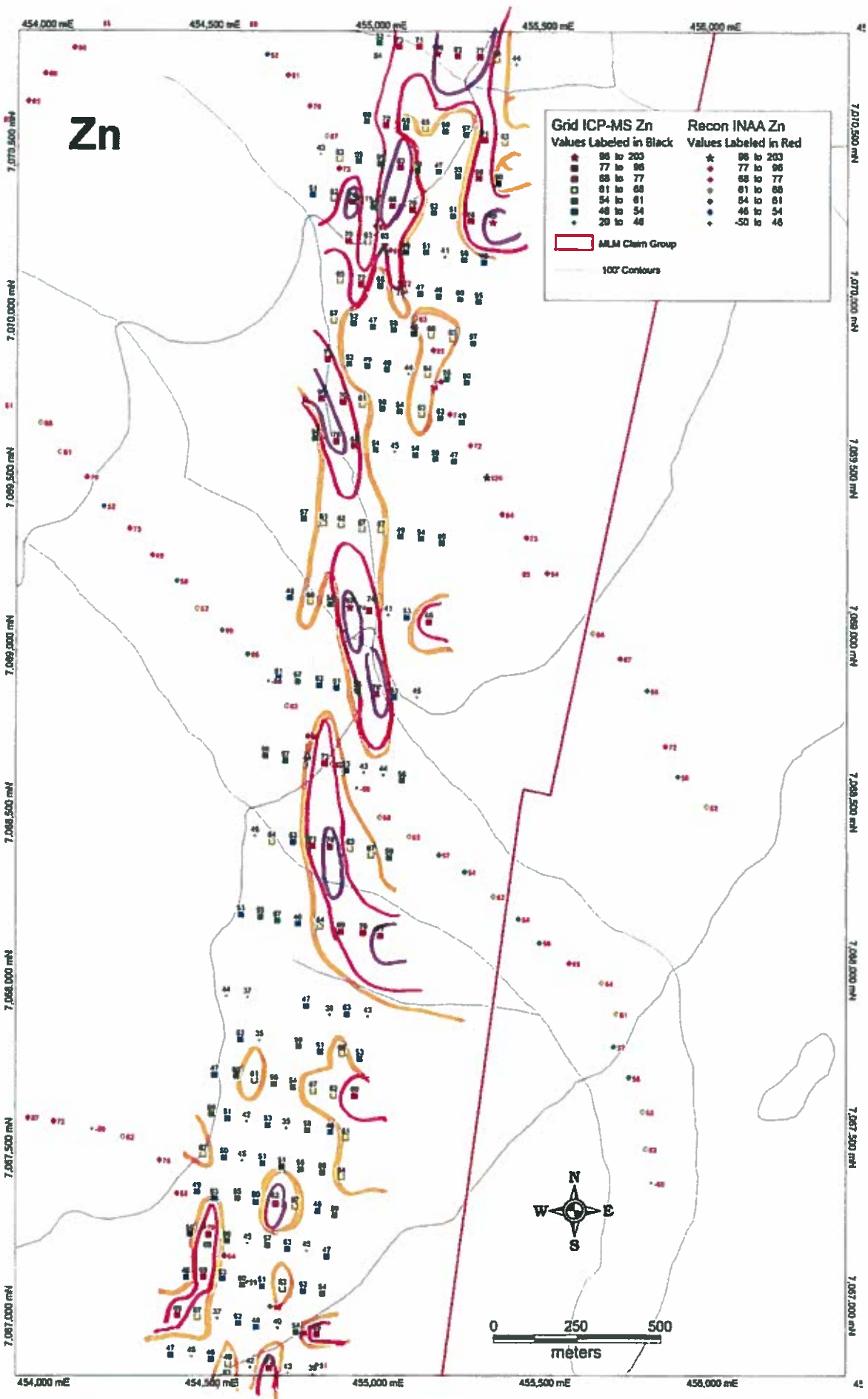






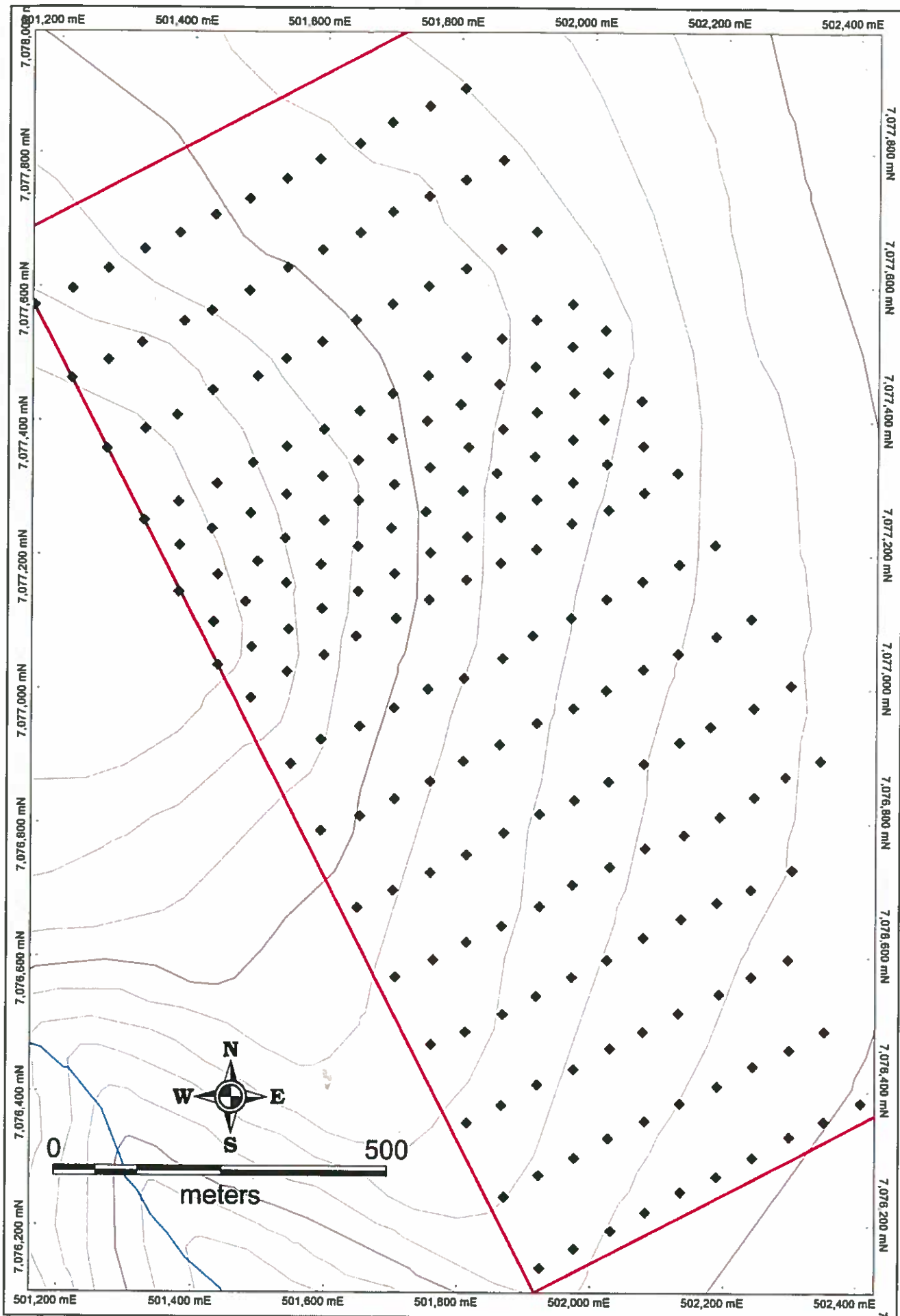


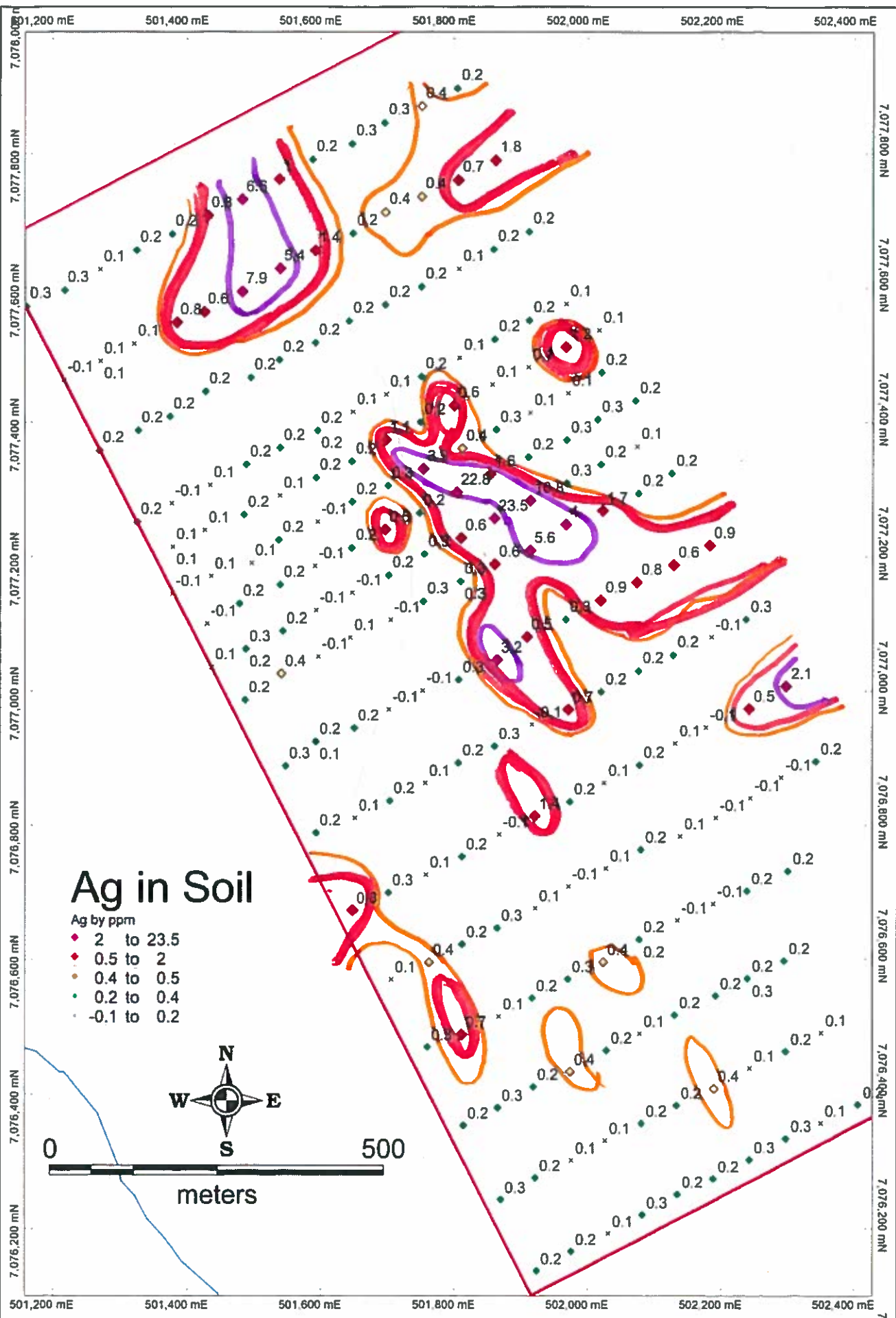


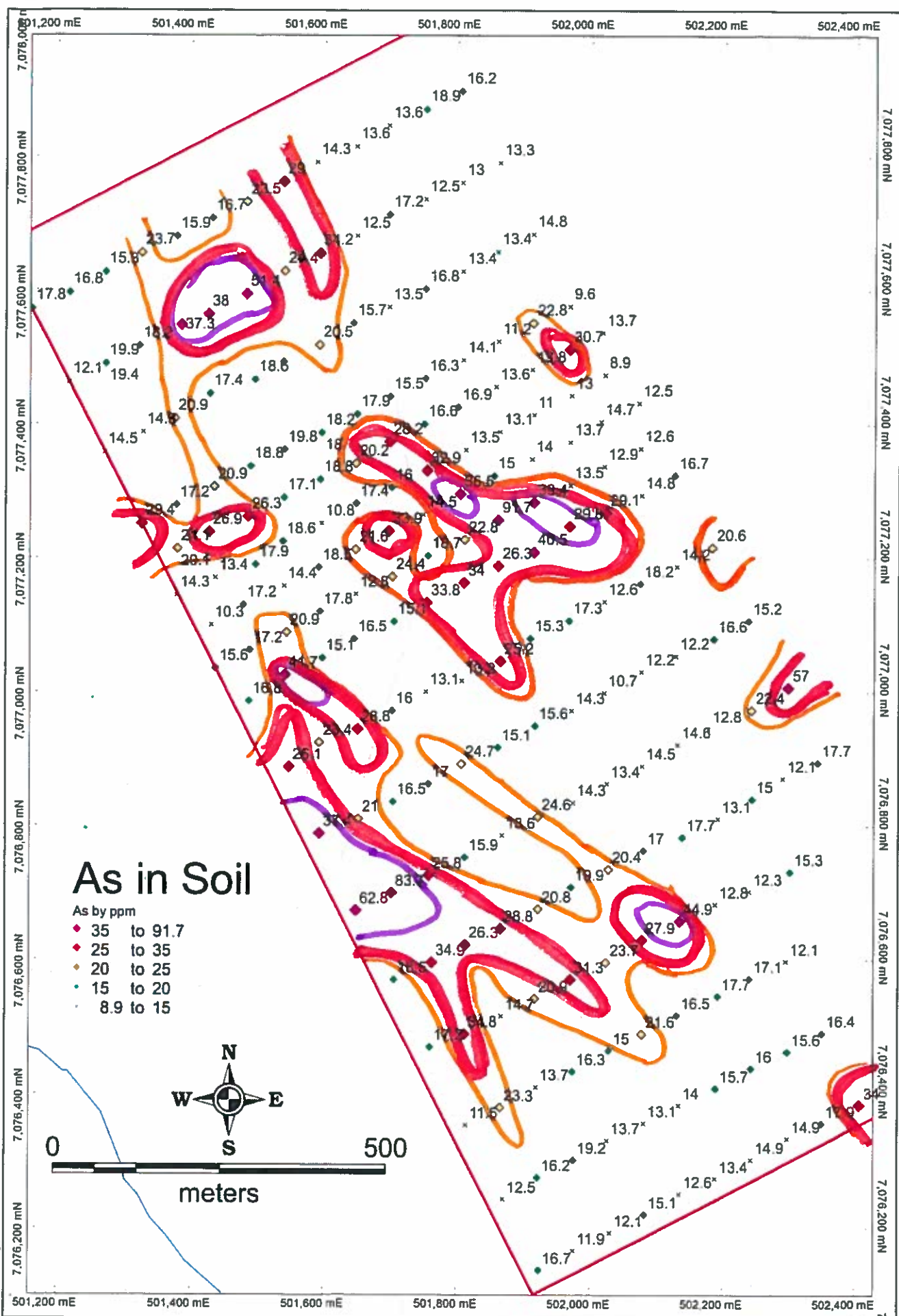


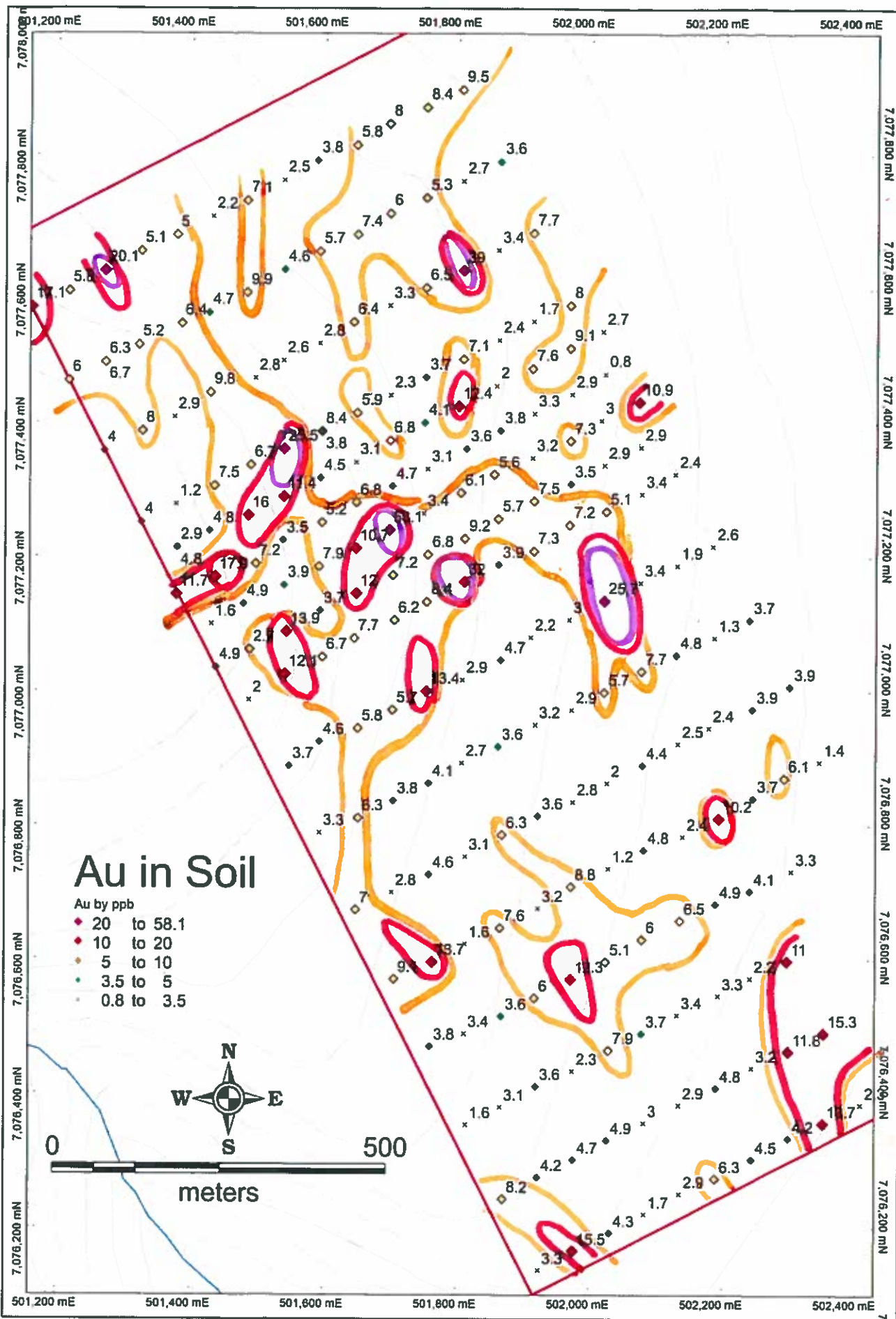
Appendix F: Carlin Contour Plots for 2015 and 2016

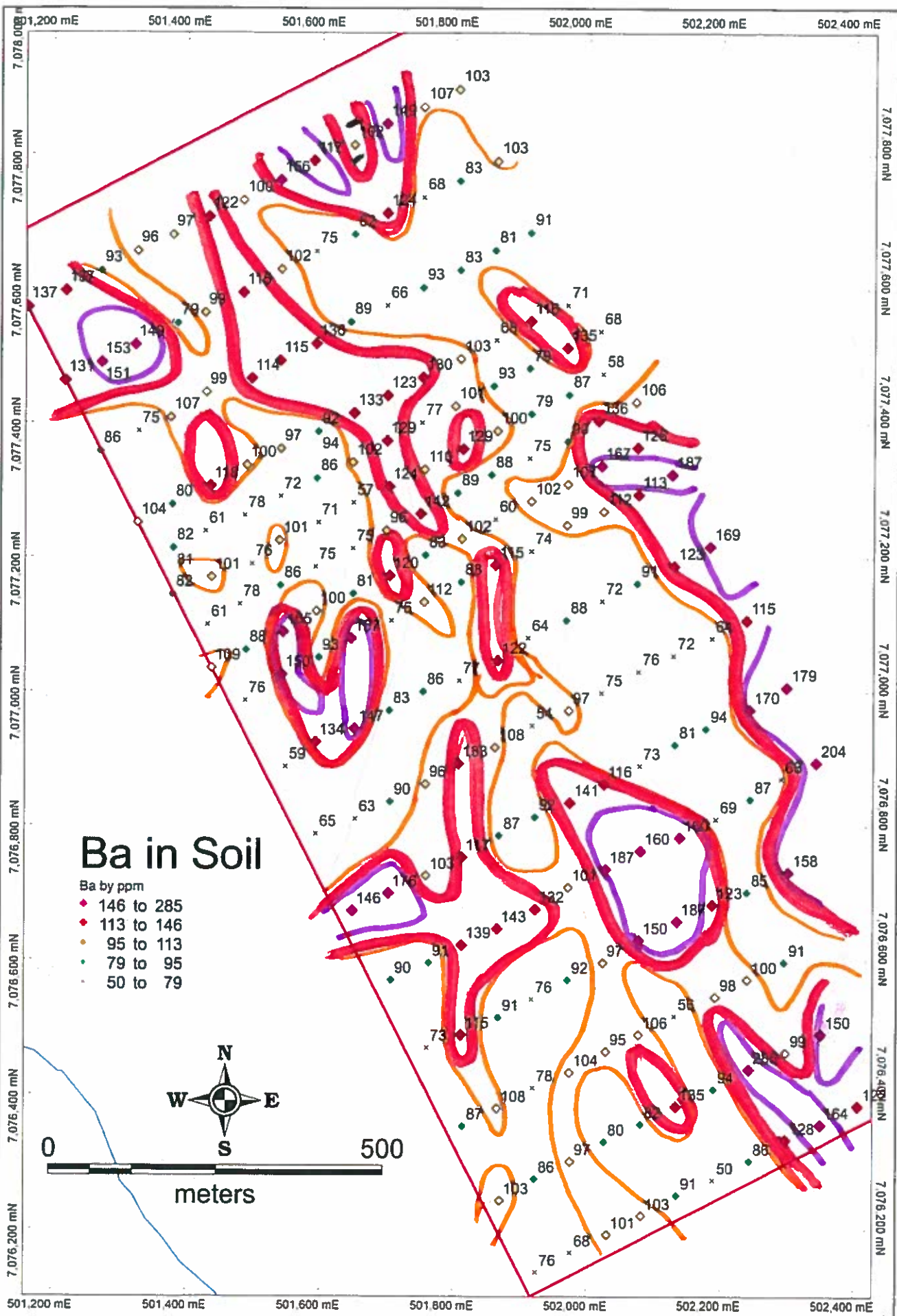
samples analysed by ICP-MS after aqua regia digestion

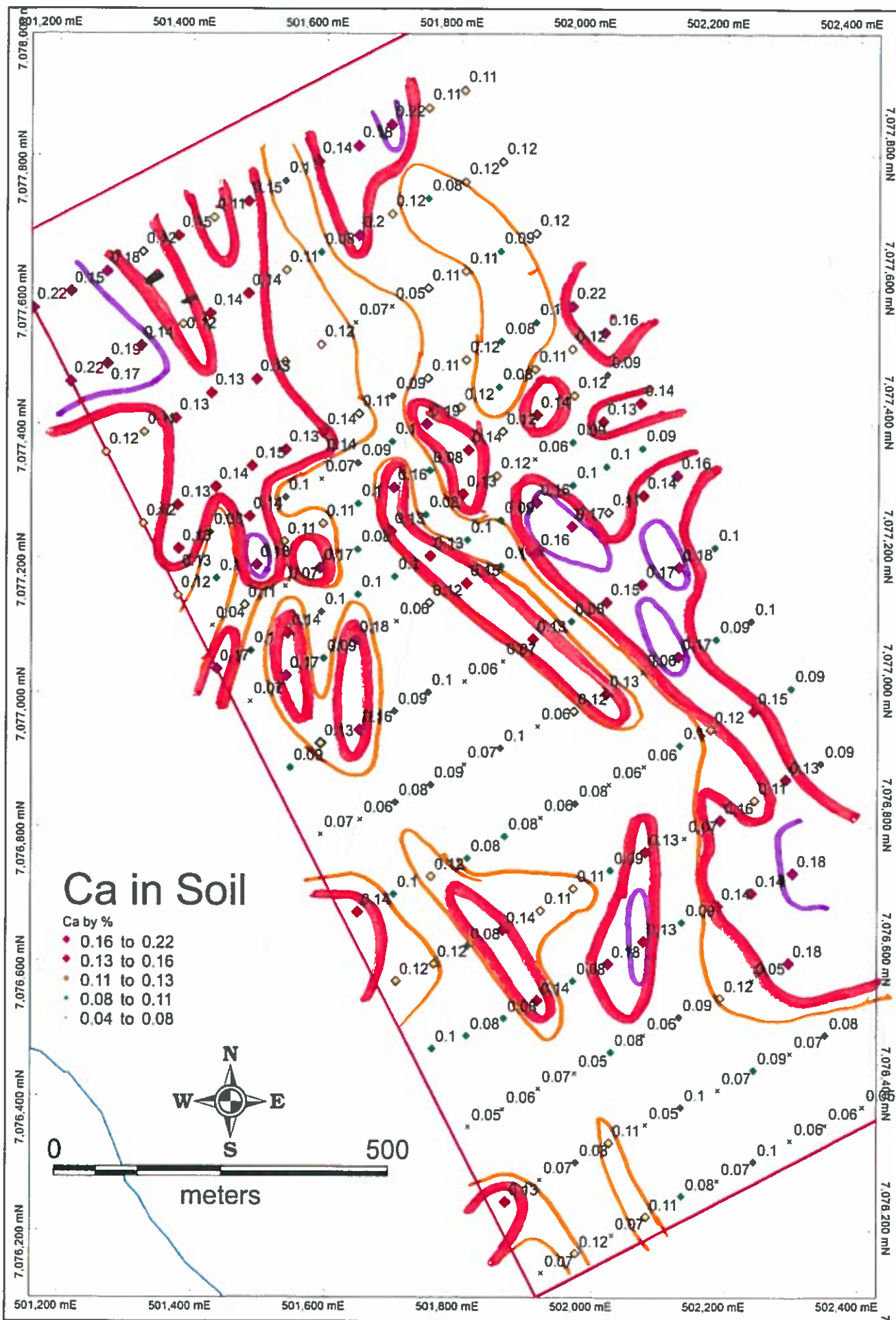


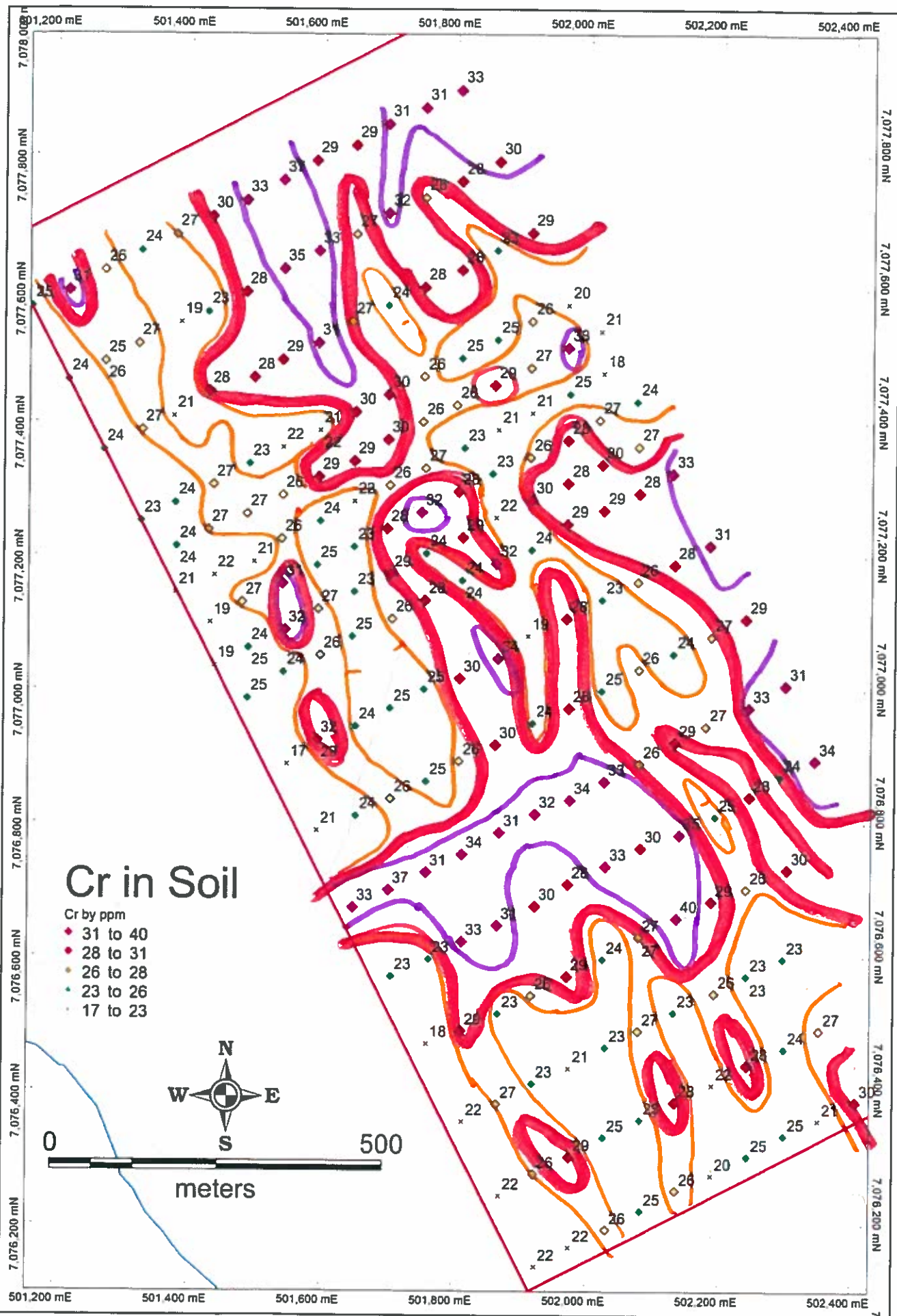


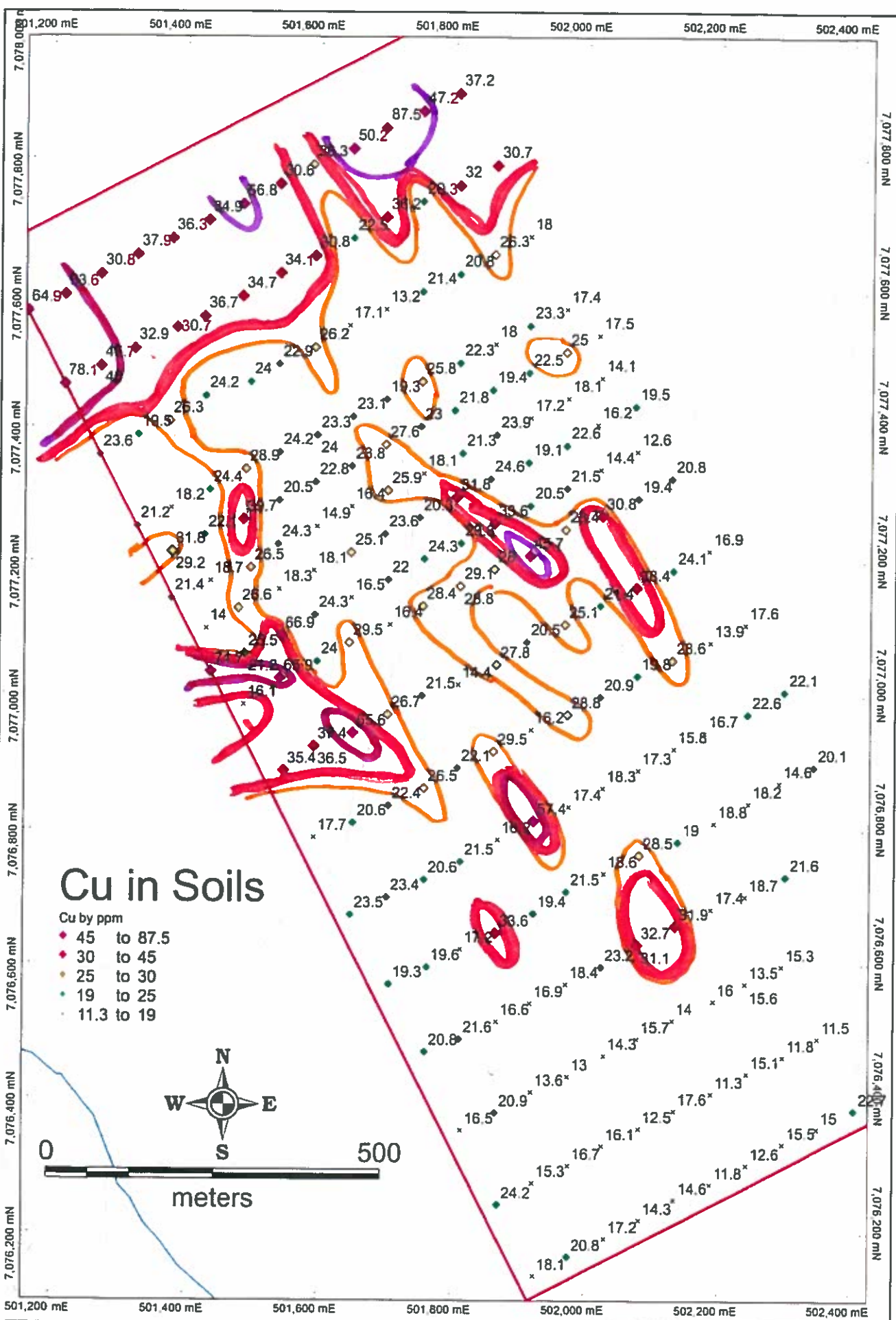


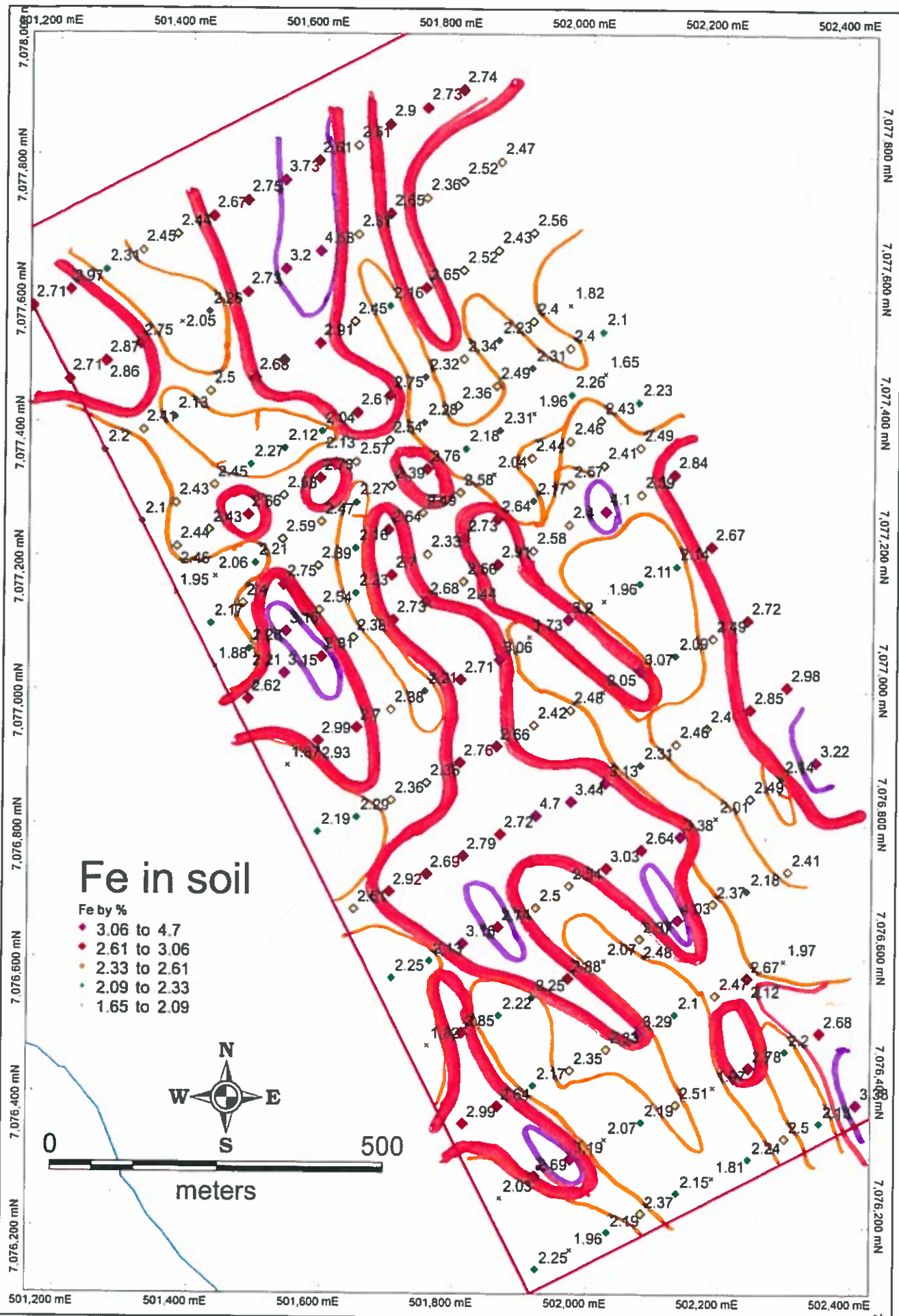


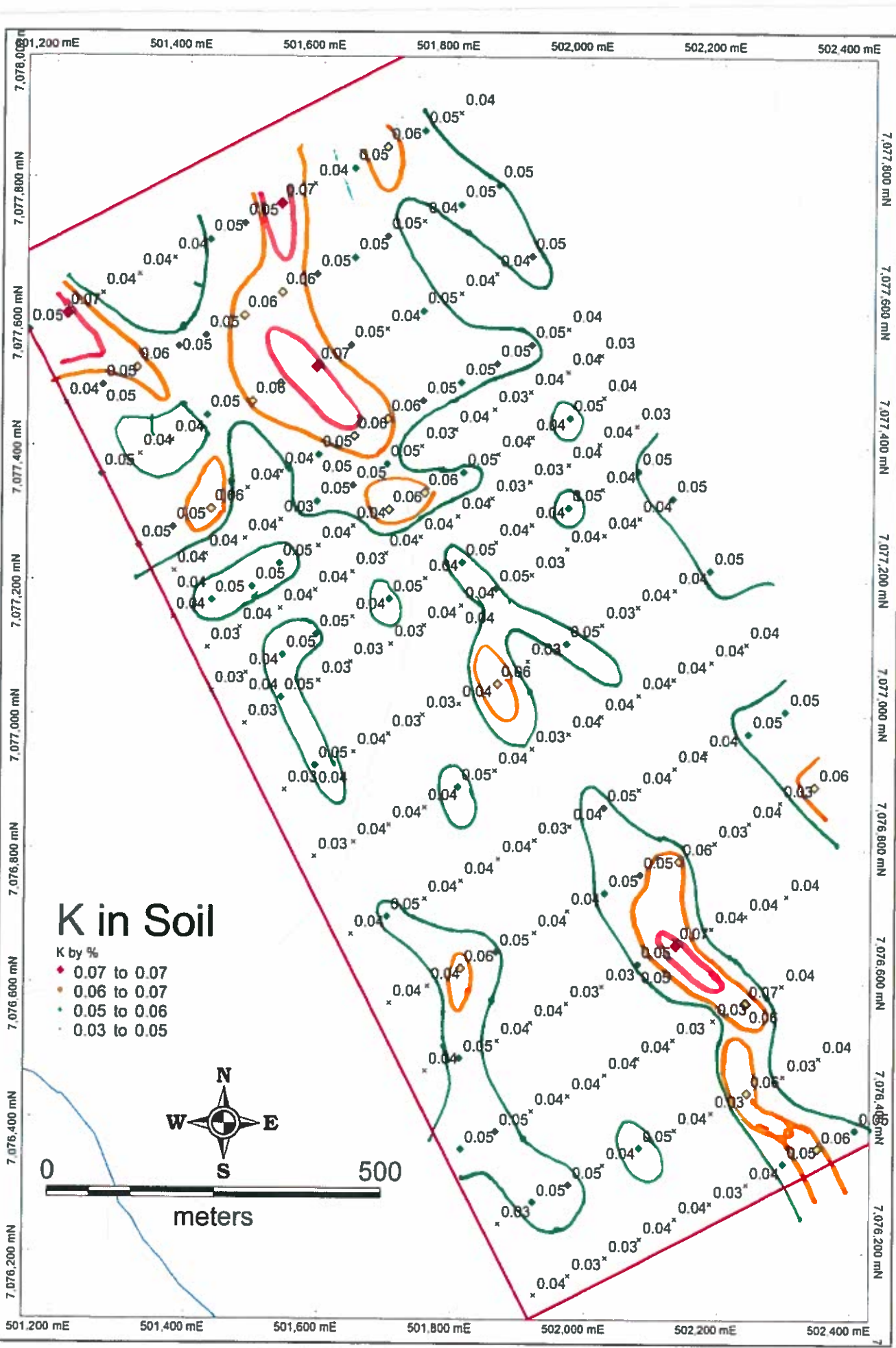


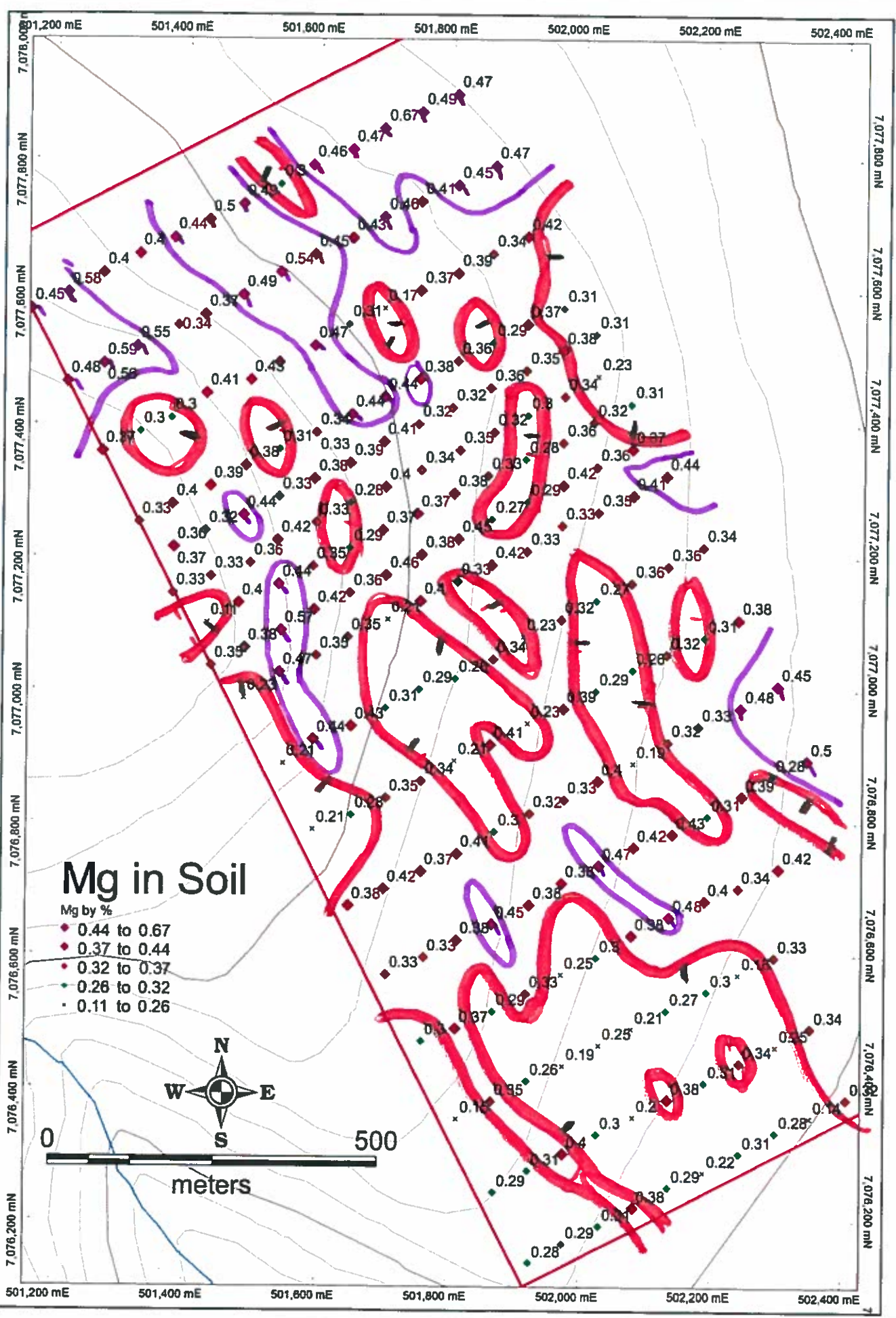


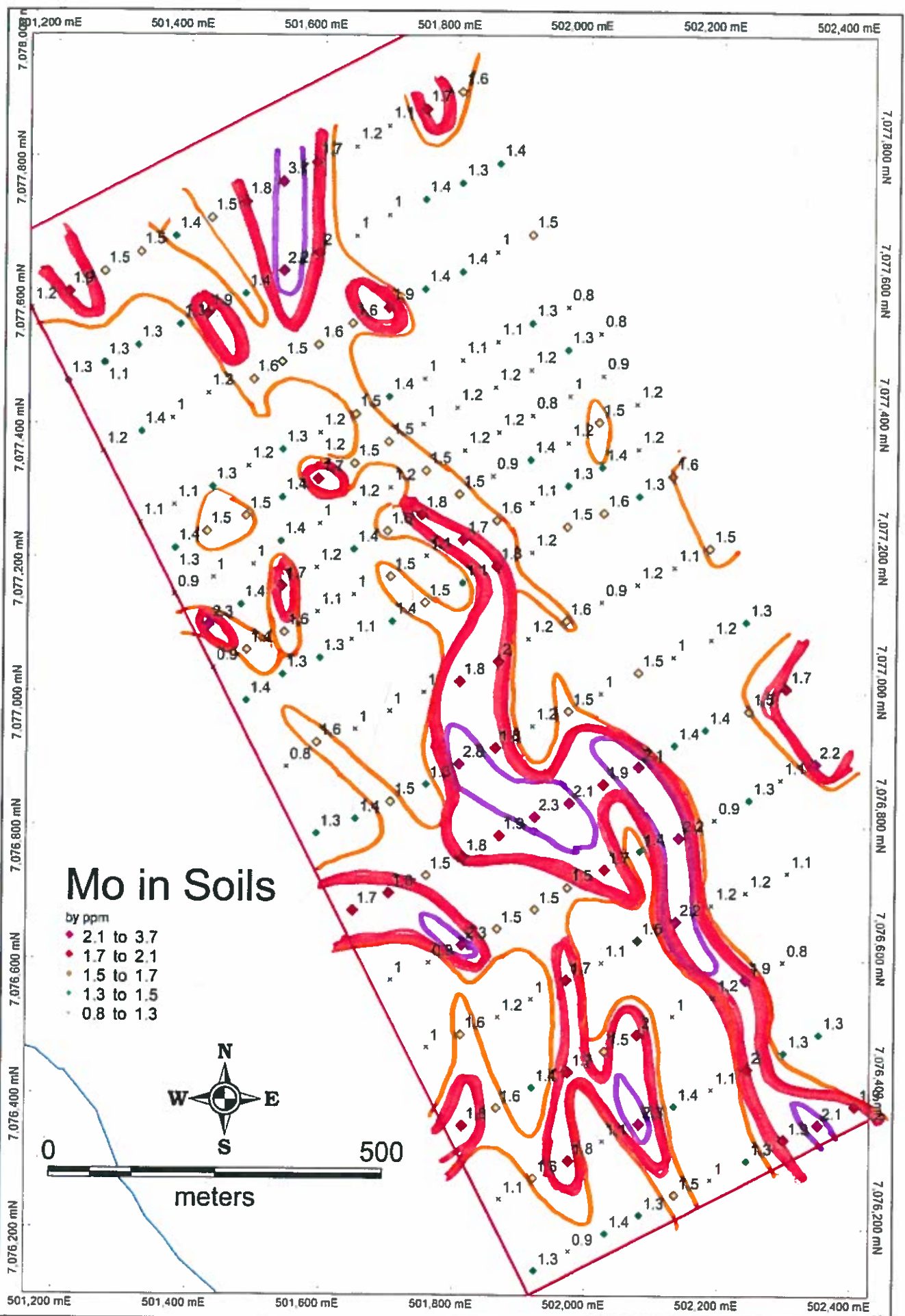


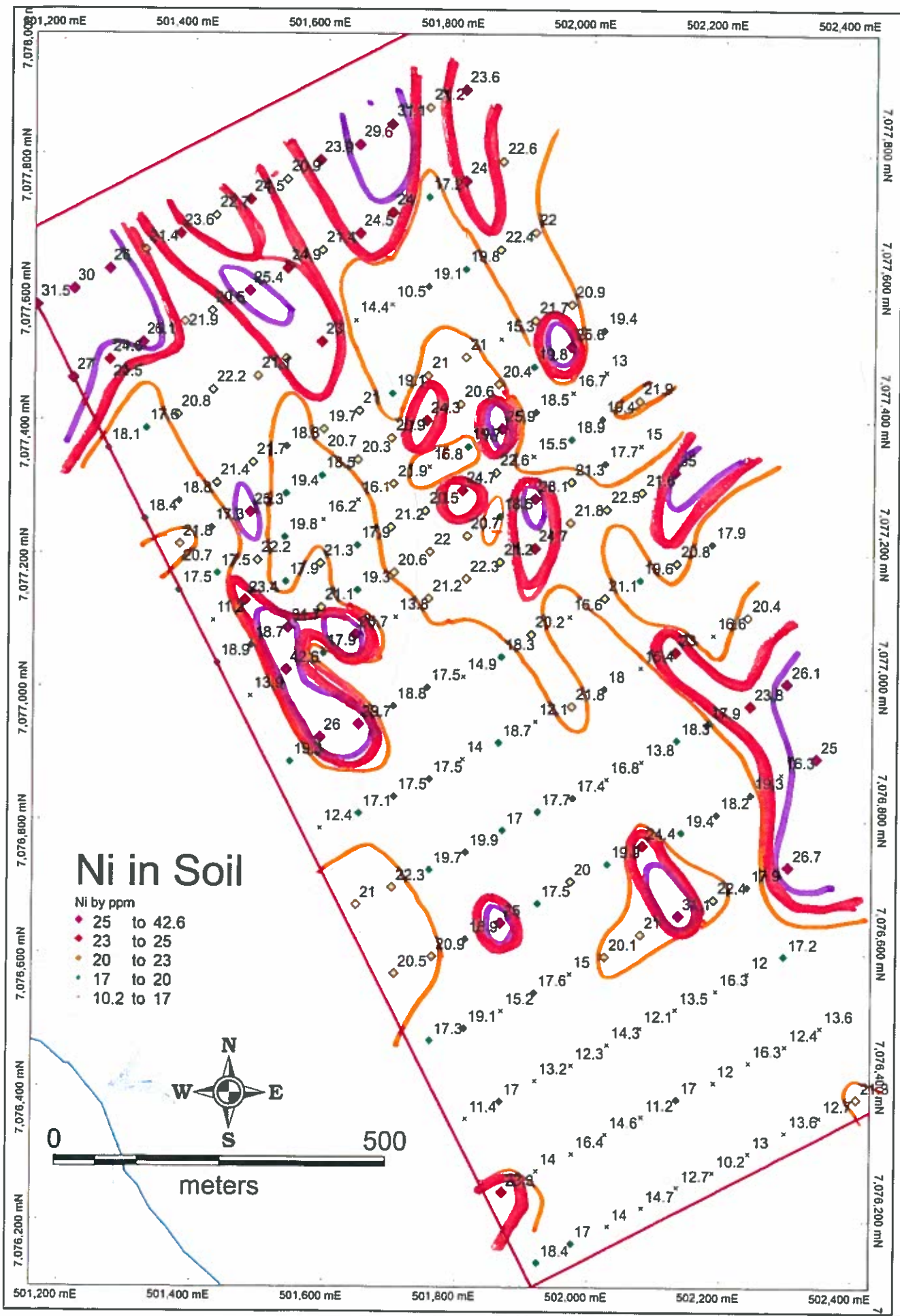


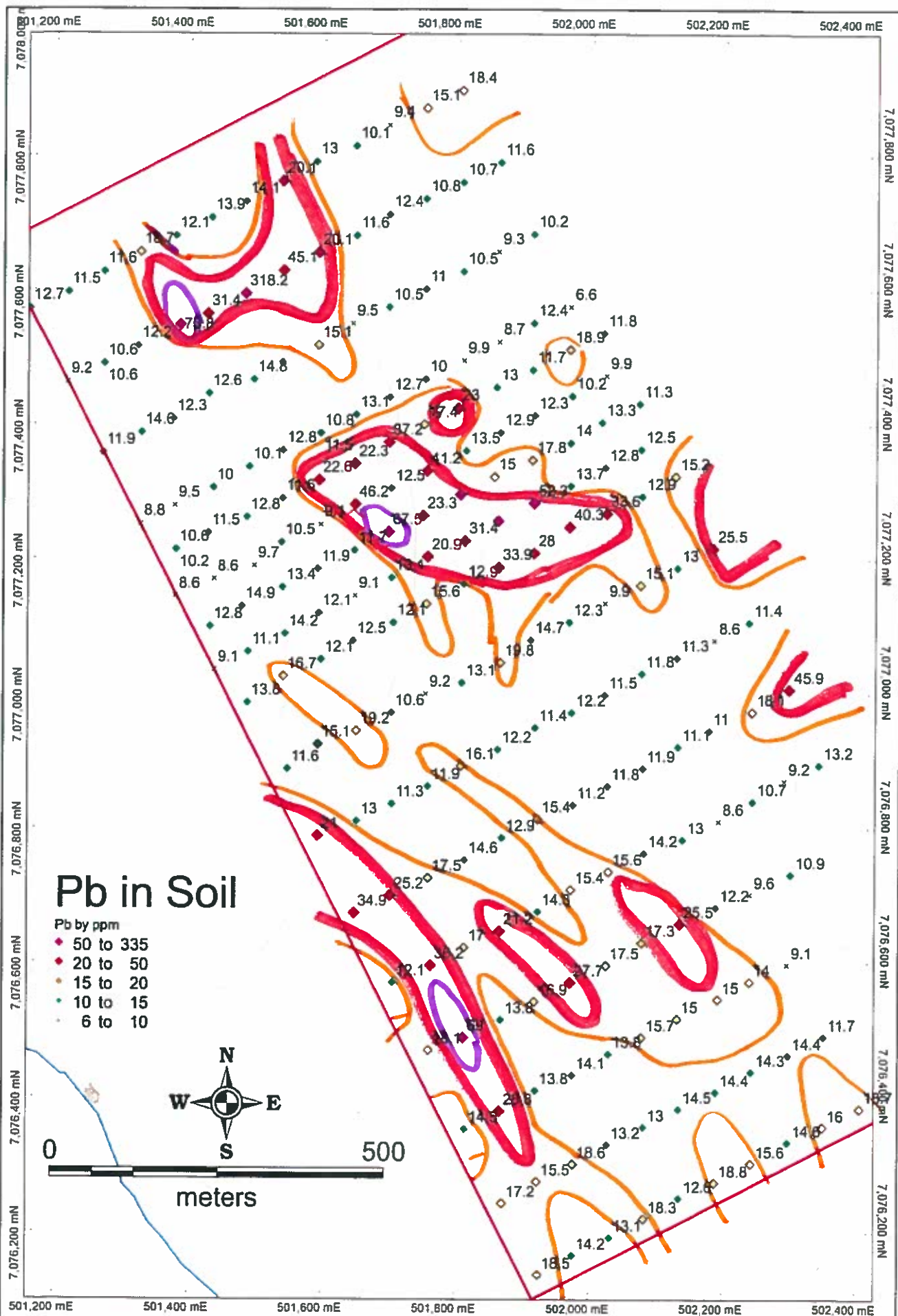


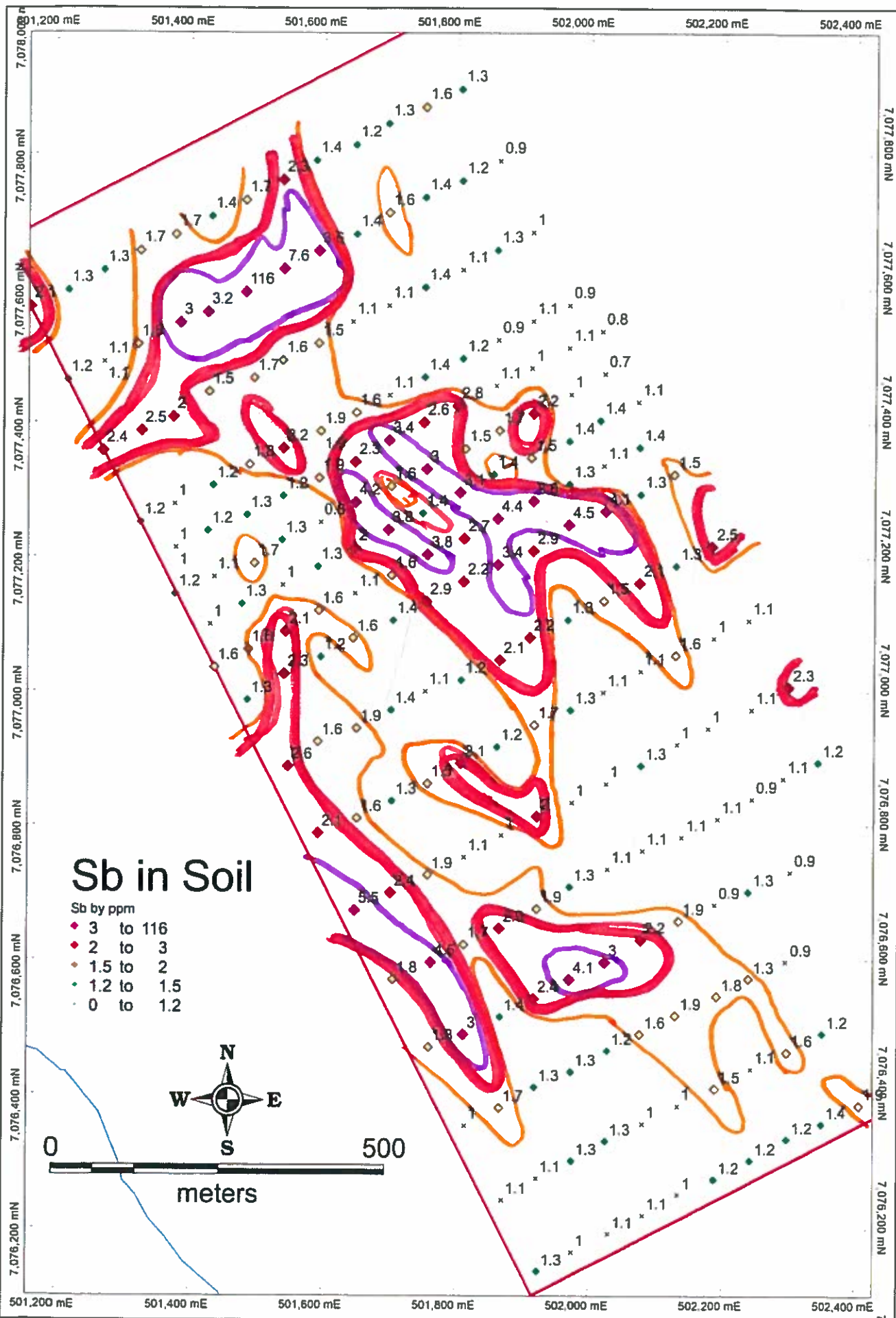


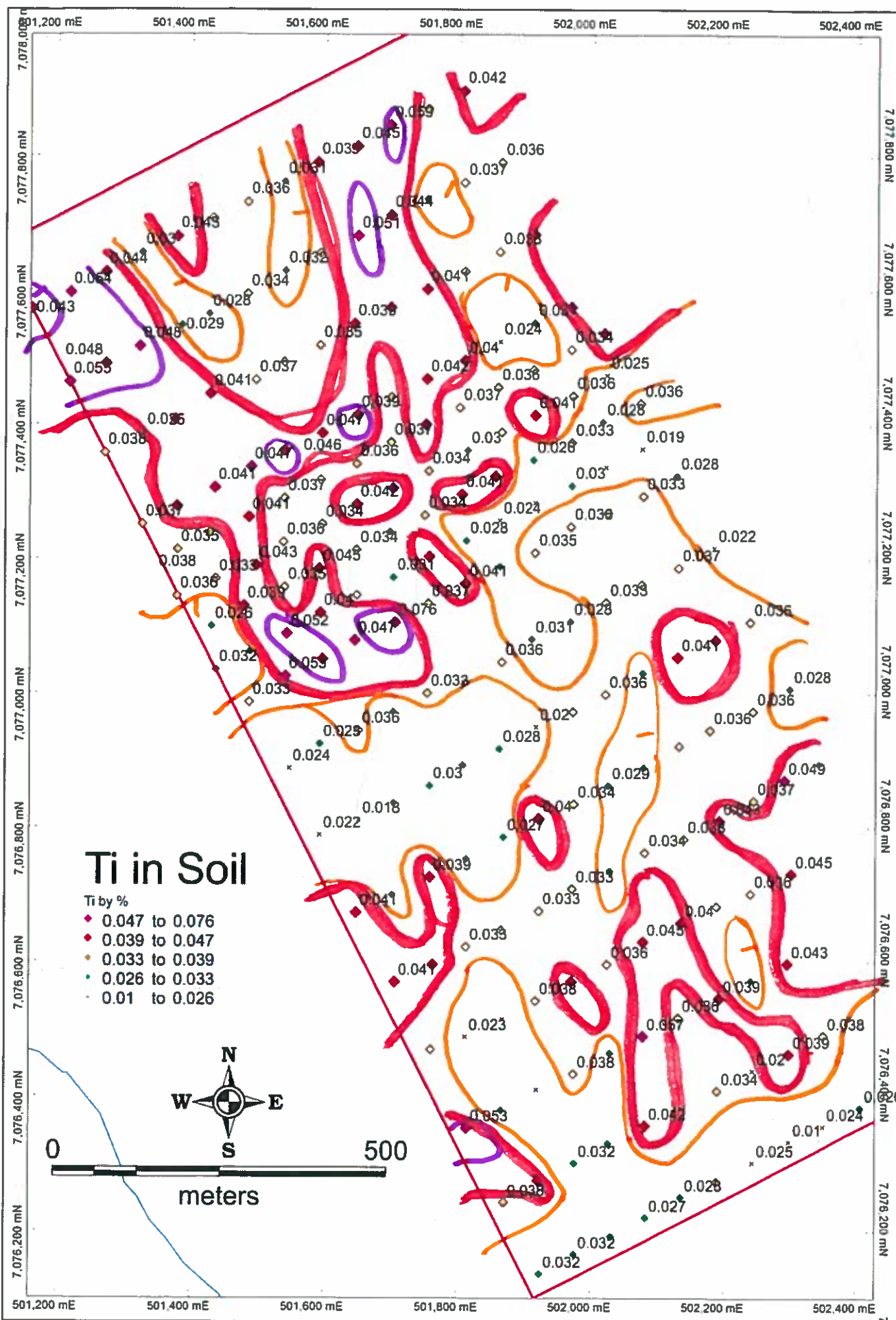












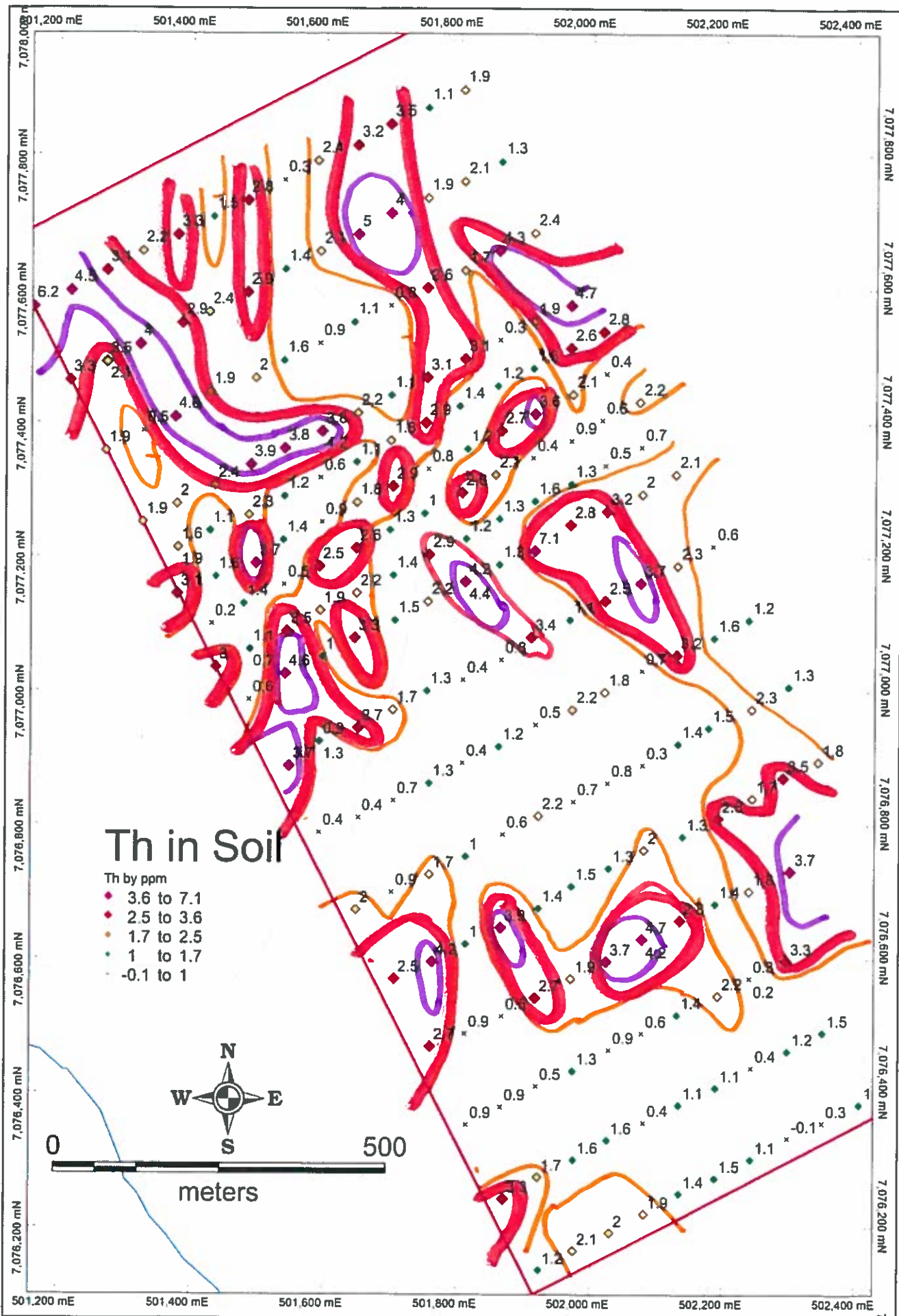
Th in Soil

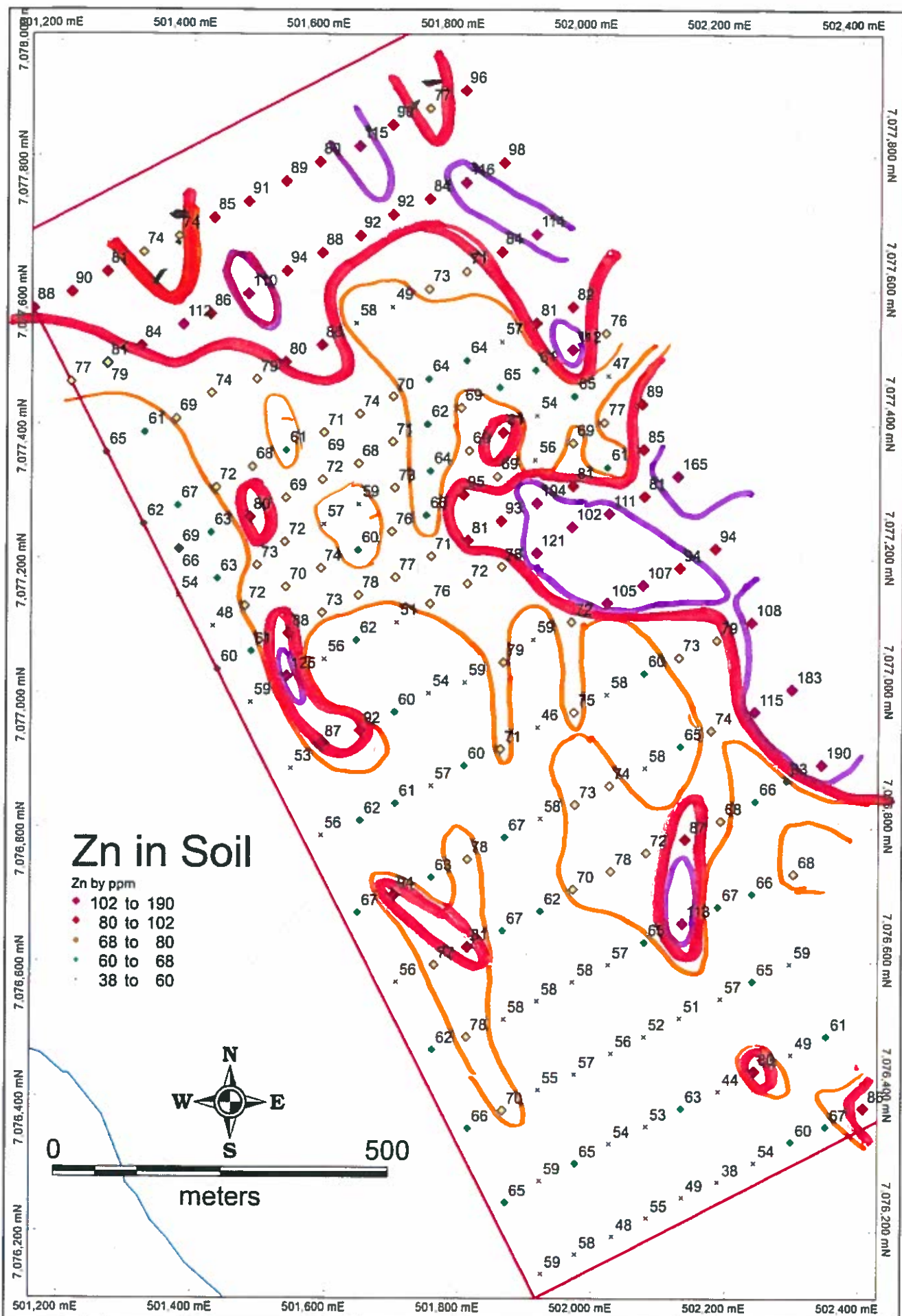
Th by ppm

- 3.6 to 7.1
- 2.5 to 3.6
- 1.7 to 2.5
- 1 to 1.7
- -0.1 to 1



0 500
meters





Appendix G: Statement of Expenditures

Mayo Lake Minerals 2016 Expenditures

	Type	units	cost	
Contractors				
Geologist-Tyrell sutherland	Days	11	\$500.00	\$5,500.00
Assistant Geologist- Chrystelle Thibault-Boyer	Days	11	\$333.00	\$3,663.00
Total				\$9,163.00
Rentals				
Equipment	Days	11	\$115.00	\$1,265.00
Soil augurs x2, magnetic susceptibility meter, computer, gps x 4, first aid kit, stretcher, bear deterrents, consumables				
Toyota Tacoma	Days	11	\$150.00	\$1,650.00
Radio+sat phone	Days	11	\$22.93	\$252.23
Total				\$3,167.23
Lodging,				
Bedrock Motel-- Mayo	Days	9	\$110.00	\$990.00
Airport Chalet--Whitehorse	Days	2	\$109.00	\$218.00
fuel				\$192.93
Food	Days	11	\$41.95	\$461.45
Total				\$1,862.38
Helicopter				
Fireweed Helicopters Inc.	hours	2.8	\$1,350.00	\$3,780.00
Helicopter Fuel	Litres	378	\$1.50	\$567.00
Total helicopter costs				\$4,347.00
Data interpretation and report preparation				
Tyrell Sutherland	Days	4	\$500.00	\$2,000.00
Vern Rampton	Days	2	\$750.00	\$1,500.00
Total				\$3,500.00
Sample analysis				
Acme Labs Inc.				
Soil prep	samples	464	\$2.10	\$974.40
Rock Prep	samples	15	\$3.38	\$50.70
AQ201 Analysis	samples	164	\$15.06	\$2,469.84
BQ-NAA-01 analysis	samples	340	\$16.64	\$5,657.60
Total assay cost				\$9,152.54
Total Expenditure				\$31,192.15

expenditure is approximately 37% Carlin group, 63% Trail-Minto group. The relatively higher cost attributed to Carlin is due to the use of the helicopter for that portion of the program, while Trail-Minto is accessible by road