Assessment Report

Results of a Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on the Alcock Base and Precious Metal Property

Red Lake – Madsen Area

Northwest Ontario

Located in the Faulkenham Lake Claim Sheet (G-1773)

On Claims

KRL 4220559, 4220561, 4220562 and 4220563

Survey Dates: July 11, 2008, August 30, 2008 (sampling)

Report Writing and Maps: April 9 – July 10, 2009

Red Lake Mining Division

NTS 52 K/13, Zone 15

NW Ontario

G. J. Campbell, MSc.
July 10, 2009

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PART 2

Interpretation Report

April 20, 2009, Authored by Dr. Mark Fedikow, Mount Morgan Resources Ltd: Results of a Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on the Alcock Base and Precious Metal Property, Red Lake/Madsen Mine Area, Northwest Ontario. 42p.

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Summary

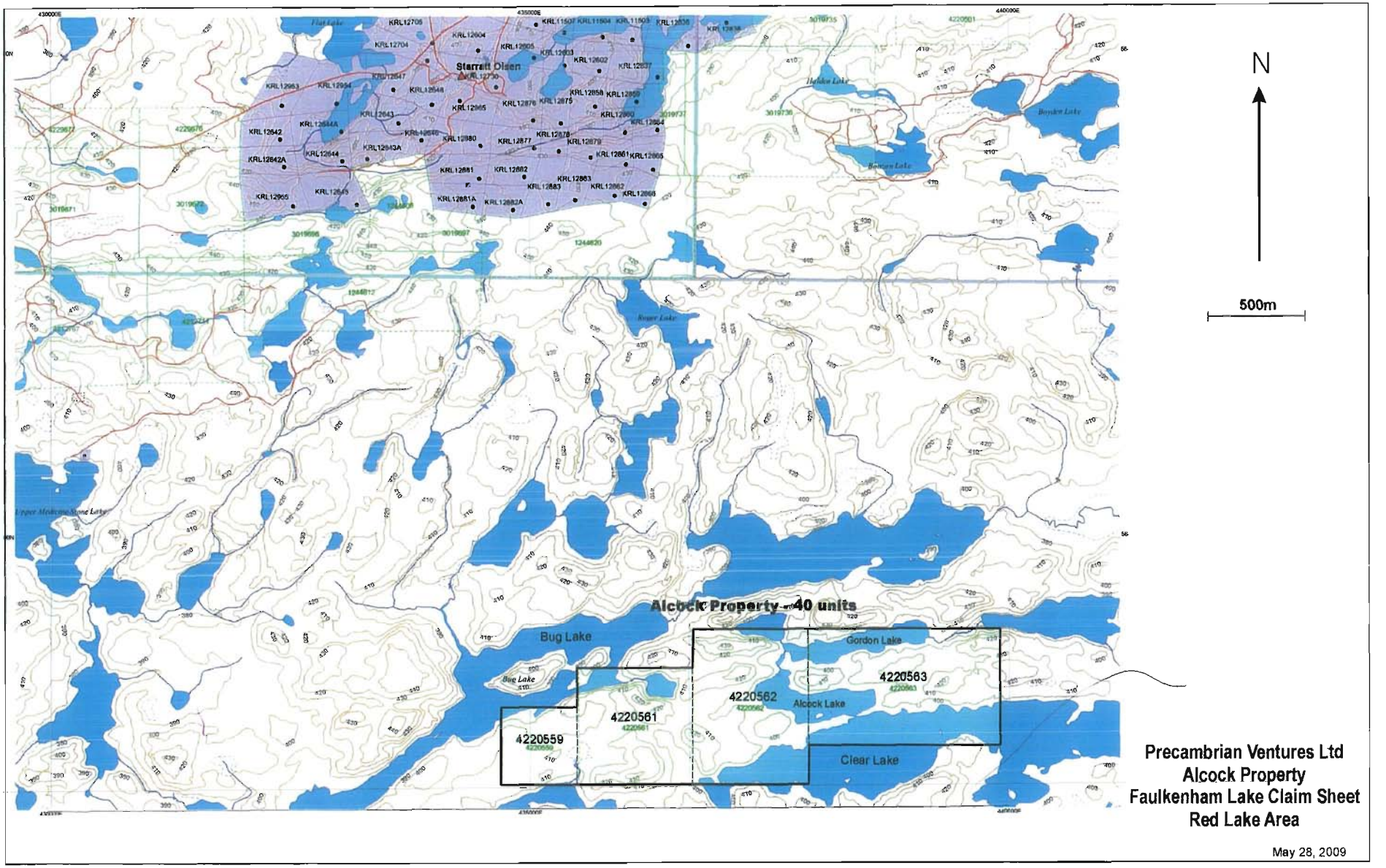
A total of 368 soil samples were taken during the summer of 2008 on the Alcock Property in the search for a reported gold-stibnite showing and to quantify the metal response of a number of AEM and ground HLEM conductors on the property. The samples were subjected to a Mobile Metal Ion (MMI-M) Process for the elements of Au, Ag, As, Co, Cu, Zn, Sb and W. Previous geophysical surveys on the property had detected a long formational conductor as well as a number of isolated responses – one of which was near a number of large siliceous boulders that contained minor pyrite mineralization with weak anomalous gold values.

Results of the soil sampling program outlined single to multiple sample anomalies that tend to be restricted to single sample lines. A single significant Au anomaly (600 times background) was detected on the western margin of the grid. The anomaly is on-strike with siliceous boulders that are weakly anomalous in gold (30-100 ppb) and so it requires ground follow-up. The AEM and ground HLEM geophysical anomalies do not appear to have a significant MMI anomaly but there is a low to moderate contrast, 2-sample Cu anomaly with high Co, that is coincident with the HLEM conductor about 200m east of an old Selco drill hole. The property is also marked by a high contrast, linear As anomaly that is continuous over 6 lines and trends east-west. There is some coincidence between the As and Ag (and even Sb) in this anomaly that is located west of Gordon Lake. The geology of the anomalous area was mapped as felsic plutonic rocks in contact with a felsic-intermediate metavolcanic unit. A zone of high strain was mapped in this location (Figure 3). It is possible that the anomaly may be caused by mineralization or a high background of As, Ag and Sb in this zone of high strain.

Follow-up for the area would include locating and sampling all pyritic siliceous boulders on the shore of Alcock Lake to see if they define a boulder train. The Au anomaly should be re-sampled to insure it is genuine with additional sampling at 25m intervals around the anomaly. This additional close-spaced sampling would better outline any gold anomaly and define a possible trend.

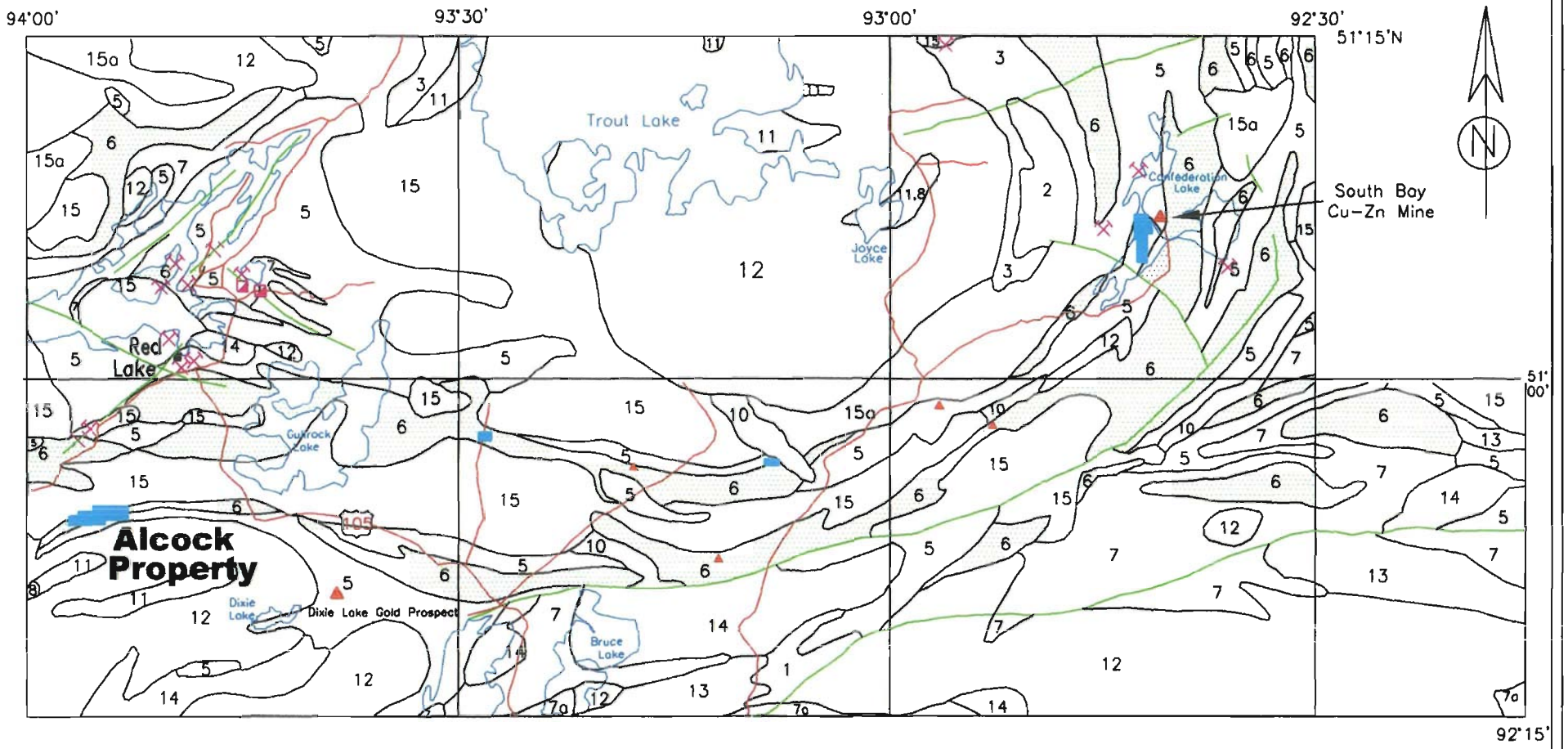
1. Introduction

The property was formerly known as the Clear Lake or Bug Lake Property (Grandcru Resource Corp.) and was re-named the Alcock Property after the original prospector who reportedly discovered a gold showing containing stibnite. The showing graded up to 0.23 oz/t Au (7.1g/t Au) and was reported to be located east of Bug Lake near a U-shaped lake. Follow-up of this report located a cluster of white siliceous boulders on the western shoreline of 'Alcock' Lake. The boulders reportedly contained weak pyrite mineralization with slightly anomalous gold values in the 30-100 ppb range.



Precambrian Ventures Ltd
Alcock Property
Faulkenham Lake Claim Sheet
Red Lake Area

May 28, 2009



15	Massive granodiorite or granite 15a – k-feldspar megacrystic
14	Diorite–monzonite–granodiorite suite
13	Muscovite-bearing granitic suite
12	Foliated tonalite suite
11	Gneissic tonalite suite
10	Mafic and Ultramafic rocks
8	Migmatized supracrustals
7	Metasediments, 7a paragneiss, migmatite
6	Felsic–intermediate metavolcanics
5	Mafic–intermediate metavolcanics
3	Mafic metavolcanics and metasediments
2	Felsic–Intermediate metavolcanics
1	Metasediments and mafic–ultramafic metavolcanics

gold mine
gold producer
Cu, Cu+Zn and Au deposits
road
fault
Precambrian Ventures Ltd Claims

0 5 10 20 km

Precambrian Ventures Ltd.

Property Location and Regional Geology Red Lake, Ontario

NTS 52K, 52N Figure 2

7. Regional Geology and Mineralization

Bedrock in the area is Archean in age belonging to the Uchi Subprovince of the Canadian Shield. The property covers part of a narrow branch (approximately 1 km wide) of the Confederation Lake Greenstone Belt bordered north and south by felsic plutonic rocks (Figure 2, 3). Metamorphism in the area is amphibolite facies. The contact zone of the felsic plutonic rocks is marked by an interval of variable thickness of inclusion-rich material consisting of supracrustal rocks belonging to the greenstone belt (Muir, 1984).

Work by Grandcru Resources (Bowdridge, 2004) recognized that a prominent conductive trend on the property occurred at the contact between a mafic – amphibolite unit to the south and a metasedimentary unit to the north (Figure 3). The metasedimentary unit locally contains felsic metavolcanic units and sulfide iron formation.

Significant gold mineralization is hosted in the Dixie Lake gold zone that is located about 15km to the east-southeast (Figure 2). The deposit occurs in a quartz-veined, silicified portion of a mafic metavolcanics where argillaceous and graphitic metasediments and oxide- sulfide iron formation are noted. In 1990 Teck Corporation estimated a deposit had a possible resource of 1.1 million tons grading 0.10 oz/t gold. The stratigraphy hosting the deposit can be traced west and north around the 'nose' of a granitoid dome into the area of the Alcock Property.

For further details see Part 2, page 9.

8. MMI Geochemical Soil Survey Data Treatment, Results, Discussion and Conclusions and Recommendations

See Part 2, pg 13-39.

9. Discussion

Results of the soil sampling program outlined single to multiple sample anomalies that tend to be restricted to single sample transects. Generally there is not a strong correspondence between the MMI-M responses and obvious features on the map such as the Alcock HLEM anomaly, AEM anomalies, lithologic contacts or specific lithologies. The AEM and ground HLEM geophysical anomalies do not appear to have a significant MMI anomaly but there is a low to moderate contrast 2-sample Cu anomaly with high Co that is coincident with the HLEM conductor located about 200m east of the old Selco drill hole.

There is a single significant Au anomaly (600 times background) on the western margin of the grid located on-strike with siliceous boulders that are weakly anomalous in gold (30-100 ppb). This anomaly requires follow-up by first re-sampling it to insure that the anomaly is genuine. Additional sampling in a grid pattern at 25m intervals around the anomaly up to 100m distance would define a possible trend.

The property is also marked by a high contrast, sinuous, linear As anomaly that trends east-west and is continuous over 6 lines. There is some coincidence between the As and Ag and even Sb in this anomaly which is located west of Gordon Lake. The geology in the area is mapped as felsic plutonic rocks that are in contact with a narrow sliver of felsic-intermediate metavolcanic rocks located to the south. A zone (>100m wide) of highly strained rocks is centred on this felsic unit and extends northwards into the felsic plutonic domain (Figure 3). The As anomaly seems to be strongest near the northern contact of this zone of highly strained rocks located in the felsic intrusion. It is possible that the anomaly may be caused by mineralization or a high background of As, Ag and Sb in this zone of high strain. The contact area of the felsic plutonic rocks are often contaminated by large xenoliths of the surrounding supracrustal rocks.

The single point gold anomaly should be prospected. The pyritic siliceous boulders on the shore of Alcock Lake must be mapped out and sampled to see if they define a boulder train and contain any significant gold values higher than the weak geochemical values reported in the past.

10. References

Bowdidge, C., 2004: Clear Lake Property, Report on Magnetic and Horizontal Loop E. M. Surveys, 7p, Assessment Files, MNDM Red Lake.

Muir, T.L., 1994: Geology of the Dixie Lake Area, District of Kenora (Patricia Portion): Ontario Geological Survey, Open File Report 5904, 53p.

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Thurston, P. and Paktunc, D., 1985: Western Uchi Subprovince Stratigraphy (Troutlake Area), Madsen Sheet, District of Kenora (Patricia Portion): Ontario Geological Survey, Geological Series Preliminary Map P.2857, Scale 1:50,000. Geology, 1981.

PART 2

Interpretation Report for Precambrian Ventures Ltd.

Results of a Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on the Alcock Base and Precious Metal Property, Red Lake/Madsen Mine Area, Northwest Ontario.., April 20, 2009, Authored by Dr. Mark Fedikow, Mount Morgan Resources Ltd, 42p

Results Of a Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey on the Alcock Base and Precious Metal Property, Red Lake/Madsen Mine Area, Northwest Ontario

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EXECUTIVE SUMMARY

A Mobile Metal Ions Technology soil geochemical survey based on the collection of 368 inorganic and organic soil samples at the Alcock property of Precambrian Ventures has delineated high-contrast base and precious metal anomalies. These anomalies tend to be areally restricted, single and multi-sample responses that are often restricted to one sampling transect. In some parts of the property, notably in the northern portion of the grid, the anomalous responses extend over two adjacent sampling transects and in the case of As the anomalies are up to 600 m long in an east-west orientation. A very high-contrast Au single sample anomaly with a 600 times background response ratio occurs on the western extremity of the sampling grid and is due west of gold anomalous (30-100 ppb) boulders detected by prospecting and mapping on the property. The sampling grid should be extended to the west to determine the extent and significance of this anomaly subsequent to re-sampling and analysis of the 600RR sample collected at this site. This will determine whether the soil sample is genuinely enriched in Au and further surveys warranted. An historic HLEM conductor on the property does not have a significant MMI-M response associated with it.

The careful collection of a quality dataset has resulted in the delineation of base and precious metal anomalies and the delineation of a potentially high-grade precious metal signature. Data quality is interpreted to not be a hindrance to interpretation and recognition of bona fide MMI-M geochemical anomalies although field duplicate samples exhibit a high degree of variance. Future MMI-M surveys in the area should be based on sampling protocols established by an orientation survey incorporating vertical profiling.

PREAMBLE

The exploitation of mineral commodities in the near-surface geological environment has become increasingly difficult due to the exhaustion of mineralization exposed at surface and the mantling of prospective bedrock by glacially transported till and its derivatives. Thick glaciofluvial and glaciolacustrine sediments topped by organic deposits make mineral exploration in these terrains challenging. For this reason a plethora of innovative exploration geochemical selective and partial digestions, coupled with state-of-the-art instrumentation capable of measuring concentrations in the part per billion (ppb) and sub-part per billion ranges, have been developed. These techniques offer the explorationist tools to "see through" overburden and derive useful mineral exploration data for integration with geology and geophysics and ultimately for drill-testing multivariate anomalies. Disrupted overburden, such as that observed with logging practices (scarification), tends to complicate MMI responses although modified sampling practices can be adopted to rectify this disturbed environment. Areas affected by landslide are also complicating factors.

The proprietary Mobile Metal Ions Process (MMI) soil geochemical technique has been utilized on a wide range of commodity types from base and precious metals to diamonds worldwide. The Process is based upon proprietary partial extraction techniques, specific combinations of ligands to keep metals in solution, and relies on strict adherence to sampling protocols usually established during an

orientation program. Geochemical data resulting from MMI analysis of improperly collected soils cannot be ameliorated with univariate and/or multivariate statistical and graphical solutions.

The recognition of anomalies in geochemical data has progressed from simple visual inspection in small data sets to multivariate, parametric and non-parametric or robust statistical methods for large datasets usually extracted from regional geochemical surveys. Derived parameters from these statistical exercises, such as factor scores or discriminant functions, have been successfully utilized in reducing a large number of potentially useful variables to a select few variables that identify and localize anomalous geochemical signatures. These statistical approaches have been required to manipulate accurate and precise, low-cost, multi-element geochemical data.

The MMI technology uses a different approach to exploration geochemistry by analyzing soils for a select few commodity elements upon which to base property evaluations. Having stated this, the MMI-M multi-element suite that was utilized to analyze inorganic and organic soils from the Alcock property survey comprises analyses for 45 elements. These consist of a multi-element suite that reports ppb and sub-ppb analyses for base and precious metals, pathfinder elements for these commodities, as well as elements useful for mapping bedrock geology obscured by glacial overburden and its derivatives. A small number of elements in this package report in the ppm concentration range (Al, Ca, Mg, and Fe). The

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large number of elements in the database provides an opportunity to assess an area of interest for a wide range of metallic mineral deposits with only minor drawbacks in terms of lower limits of determination. For the Alcock survey only the elements Au, As, Ag, Co, Cu, Sb, W and Zn were analyzed and plotted as Vertical Mapper bubble plots. The specific details of this assessment are described below.

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TERMS OF REFERENCE

The author of this report was contracted by Mr. Greg Campbell of Precambrian Ventures to undertake the interpretation of Mobile Metal Ions soil geochemical survey data from their Alcock property in the Red Lake area of northwestern Ontario. The survey was undertaken to assess the property for MMI geochemical signatures related to precious metal mineralization. Soil samples were collected according to protocols described and presented on the SGS website (www.sgs.com/geochemistry). This report represents a final interpretation of work and is completed with recommendations for follow-up exploration.

DESCRIPTION OF THE ALCOCK PROPERTY GOLD AND CU-ZN TARGET

(after G. Campbell, M.Sc., Precambrian Ventures)

Introduction

The property is renamed the Alcock Property after the original prospector who reportedly discovered a gold showing grading up to 0.23 oz/t Au (7.1g/t Au) east of Bug Lake. The property was formerly known as the Clear Lake or Bug Lake Property and is now held by Precambrian Ventures Ltd. 100%

Size

The claims total 40 units in 4 claims totaling approximately 640 ha. The claims are KRL 4220559 (4 units), 4220561 (9 units), 4220562 (12 units) and 4220563 (15 units). The property occurs in the Faulkenham Lake Area (G1773) claim sheet in the Red Lake Mining Division.

Location and Access

The claims are located in NTS 52K/13, Zone 15, 16 km SE of Red Lake and 8 km SSE of the Madsen Gold Mine. The claims are located 6 km west of Hwy 105 where it traverses the west and south end of Gullrock Lake. A MMI soil geochemical sampling crew mobilized onto the property by floatplane from Red Lake to 'Clear Lake', which is located about 700 m southeast of the boulder occurrence. A small peninsula located on the north shore of the western part of the lake is a good docking site. This location served as the campsite for a Selco crew during a geophysical and drilling program in the winter of 1975/1976.

Access is also via a small boat or canoe up a creek to within 3 or 4 km of the property. The creek is only navigable during periods of 'high water'. The remaining distance must be traversed on foot. In winter snowmobile access is possible from the north in the Madsen Mine area.

Previous Work

2004 – Grandcru Resources Corp. conducted a 32.7 line-km HLEM and magnetic survey on the Clear Lake property. They outlined a more or less continuous conductive and magnetic trend aligned along the contact of a lower? mafic metavolcanic unit and an upper? metasedimentary unit. This is the same anomaly outlined by the Selco survey and tested with a single drill hole. They failed to outline the shorter conductive trend located about 500m to the north where silicified boulders with weak gold values are located.

1994 – As part of the mapping programme in the Dixie Lake area (Open File 5904), Tom Muir of the Ontario Geological Survey mapped the claim area at a reconnaissance scale. The Bug Lake Deformation Zone was identified by the presence of intense shearing and mylonite zones. Muir noted that Bug Lake Zone paralleled the northeast trending Flat Lake-Howey Bay Deformation Zone. This latter zone hosts the Starratt-Olsen (160,000 oz gold produced), Madsen (2.5 million oz gold produced) and Buffalo Mines (200,000 oz gold produced).

Also noted on his map (Map 3299, Dixie Area West) was intense shearing in outcrops north of the gold anomalous silicified boulders.

1985 – Aerodat Limited flew a 954 line-km, helicopter-borne combined Magnetic-Electromagnetic and VLF survey over the area. No ground follow-up was reported however the Aerodat geophysicist recommended that anomaly (A) III was worthy of ground follow-up (Podolsky, 1985). It turns out that the silicified boulders with anomalous gold values are located on this AEM conductive trend.

1975 – Selco Mining flew this area as part of their Dixie-Bruce Lake survey with a Mark VI Input system in their search for volcanogenic Cu-Zn VMS deposits. A grid (#150-6) was established on the property however the grid did not go far enough north to cover the silicified boulders on Anomaly III. The grid covered Anomaly II with a ground HLEM (EM-17) and magnetic survey was completed (Thorsen, 1976). One (1) hole was drilled on a moderate to strong conductor denoted as (A) II on the Aerodat AEM survey for Golden Terrace. No log is present in the Assessment Files but the location is noted on Map P.2857 (Thurston and Paktunc, 1981, Map 3). Amphibolitic mafic volcanics with disseminated pyrite and pyrrhotite was noted in core scattered at the old campsite.

Geology

Geology in the immediate area is composed of an east-west trending, 1.0-1.5 km wide, band of mafic-felsic metavolcanic rocks containing fine-grained metasedimentary rocks and minor sulfide iron formations. In the western claims, this narrow belt of volcanic rocks is dragged southwest and mylonitized along the Bug Lake Deformation zone. This band of metavolcanic and metasedimentary rocks has also been pinched between two granitic 'domes' located both to the north and south of the metavolcanics-metasediments. The narrow metavolcanic belt or 'shear' belt is thus highly deformed and metamorphosed to the amphibolite grade. The contact between granitoid and metavolcanic rocks is marked by a variable zone of metavolcanic inclusion-rich granitic rocks. The Dixie Lake gold zone is located in a quartz-veined silicified portion of mafic metavolcanics that contain argillaceous and graphitic metasediments and oxide-sulfide iron formation located 15km to the east-southeast. The stratigraphy hosting the deposit can be traced west and north around the 'nose' of a granitic dome into the Alcock area.

Boulder Description - The anomalous boulders are located along the western shoreline of a small lake 1500m east of the north end of Bug Lake. They are massive and fine-grained in texture, white in color and are very felsic or strongly silicified. Quartz veining and a strong foliation is absent. The protolith of the boulders is unknown and they could be either felsic metavolcanics, fine-grained intrusive rocks, highly altered metasediments or mylonite. The boulders are

large, generally angular and are locally derived and may even be ice rafted into place from the lake bottom during spring break-up. They are dusted with fine pyrite - less than 1-2%. The author took about 5-6 samples and all were weakly anomalous in gold, ranging from 30-100 ppb Au. Sulfides and/or gossans are not prominent in outcrop although AEM surveys indicate a number of local bedrock conductors.

Background and Discussion - The author, while with BP-Selco, examined potential gold environments in the Red Lake area in the 1980's where Selco had extensive in-house geological information. An old report by Thomson (Red Lake Resident Geologist) referred to a stibnite occurrence in the Bug Lake area that a prospector, Cecil Alcock, had reported prior to WWII. Thomson could not locate the showing. An attempt by the author to locate the stibnite showing was not successful however interest was piqued by the discovery of a cluster of very felsic to silicified boulders with a light dusting of pyrite along the shore of a small U-shaped lake east of Bug Lake. These boulders were also reported by Thomson who commented that they were 'good looking rock'. Analyses latter showed the boulders were anomalous in gold containing 30-100 ppb gold.

Although interesting, no follow-up was done since the gold values were not high enough to warrant flying back to the area to do additional prospecting. Year's latter, the author note in the assessment file from the Golden Terrace Aerodat AEM survey that there were two (2) AEM conductors of weak to moderate

strength that bracketed the location of anomalous silicified boulders. This conductor is located about 500m north of a prominent HLEM anomaly previously drilled by Selco. These two anomalies were not detected by the Selco Input survey and appear to be too deep for the ground geophysical surveys employed to date. One response occurs in the lake about 100m east and slightly south of the boulders while the other occurs about 300m to the west. The anomalies lie on a magnetic anomaly

References

Bowdidge, C., 2004: Clear Lake Property, Report on Magnetic and Horizontal Loop E. M. Surveys, 7p, Assessment Files, MNDM Red Lake.

Muir, T.L., 1994: Geology of the Dixie Lake Area, District of Kenora (Patricia Portion): Ontario Geological Survey, Open File Report 5904, 53p.

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Thorsen, K., 1976: Block 150-6, Dixie Lake Area, Geophysical Report, Selco Mining Corporation, 9p, Assessment Files, MNDM Red Lake.

Thurston, P. and Paktunc, D., 1985: Western Uchi Subprovince Stratigraphy (Troutlake Area), Madsen Sheet, District of Kenora (Patricia Portion): Ontario Geological Survey, Geological Series Preliminary Map P.2857, Scale 1:50,000. Geology, 1981.

SAMPLE COLLECTION AND ANALYSIS

Samples were collected according to protocols developed for the landscape environment that exists at the Alcock property. Some general comments regarding MMI soil geochemical surveys are presented below.

In MMI surveys there are some general approaches that are used to guide sample collection including preferred depths of sampling and these are described briefly here. Additional information is also available from the SGS website.
Soil samples, each weighing approximately 250 grams, are usually collected at variable sample spacing along single transects or grids over suspected zones of mineralization (geophysical anomalies) or extrapolated trends of known mineralized zones. Generally, 25-m stations in precious metal exploration and up to 50 m in the case of base metals are the routine spacing. Sample spacing should be established on the basis of a "best-estimate" of the likely target being sought with estimates from historical data or exploration results from nearby programs. Initially, samples are often collected at a closer spacing until it is determined that a larger spacing is appropriate to the target being sought. At the Alcock property soils were sampled from a depth of 10-25 cm below the "zero

datum" or the point at which soil formation is initiated in this environment. The sample is a continuous 15 cm long plug of sediment or a continuous vertical channel of sediment.

In the Alcock property MMI-M survey a total of 368 samples were collected of which 101 of these or 27% were organic soils.

Samples are bagged on site without preparation and shipped to SGS Laboratories (Toronto, Ont.) for MMI-M analysis. The MMI-M is a neutral extraction with analytical finish by inductively coupled plasma-mass spectrometry (ICP-MS).

DATA TREATMENT AND PRESENTATION

In exploration surveys where sampling and analytical protocols have been determined by an orientation survey, analytical data is examined visually for analyses less than the lower limit of detection (<LLD) for ICP-MS. Data <LLD are replaced with a value ½ of the LLD for statistical calculations and graphical representation. For most exploration surveys, MMI data is plotted as response ratios. For the calculation of response ratios the 25th percentile is determined using the software program SYSTAT (V10) and the arithmetic mean of the lower quartile used to normalize all analyses. The normalized data represent "response ratios" which are then utilized in subsequent plots. Zeros resulting from this calculation are replaced with "1". Response ratios are a simple way to compare

MMI data collected from different grids, areas and environments from year to year. This normalized approach also significantly removes or "smoothes" analytical variability due to inconsistent dissolution or instrument instability. For the Alcock survey the interpretation is based on response ratios.

Analytical data as received from Precambrian Ventures/SGS Mineral Services is presented in Appendix 1. Analytical data from analytical duplicates, replicate analyses of standard MMI reference materials and analytical blanks are given in Appendix 2. The 25th percentiles and backgrounds used to calculate response ratios are included in Appendix 2 with the edited analytical data. The variation in concentration of MMI-M suite elements on the Alcock property is discussed in a geochemical narrative based on bubble plots produced with Vertical Mapper, a module within MAPINFO. Individual element plots are presented in Appendix 3. A comparison between the 25th percentiles and backgrounds for both inorganic and organic soil samples is presented below.

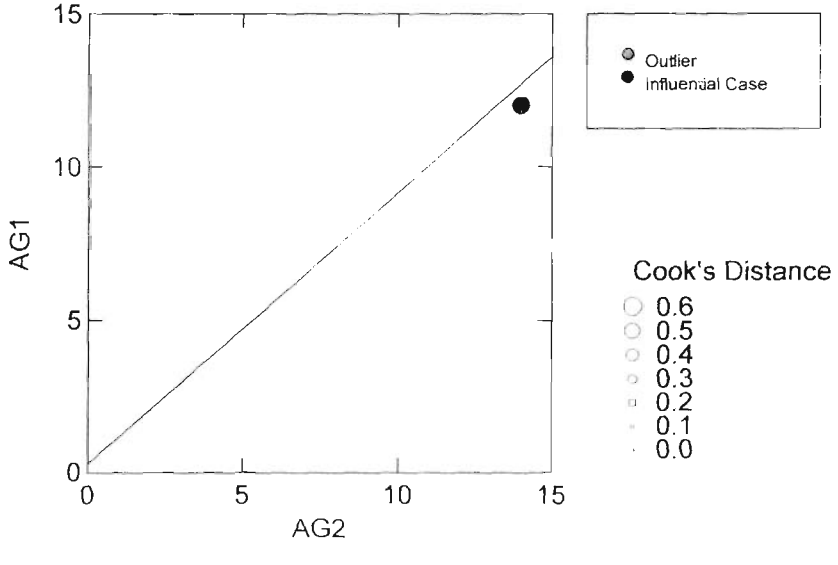
RESULTS

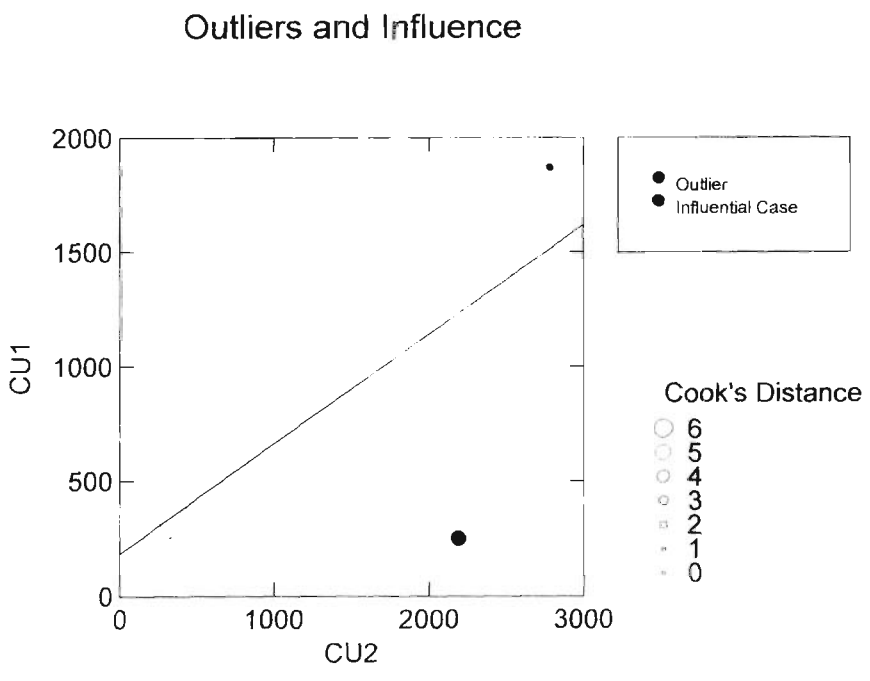
Data Reproducibility-Analytical Duplicates

Analytical duplicate sample analyses are presented in Appendix 2 and permit an assessment of the ability to reproduce analyses at a wide range in concentration. It is observed that the duplicate pairs exhibit an acceptable degree of reproducibility across a wide range in concentration for most MMI-M elements including the base and precious metal commodity elements. Any variability that

exists between duplicates is generally within +/- 25% and as such is interpreted not to be a hindrance to interpretation and the recognition of bona fide trends in the dataset. Most variability occurs at or near the lower limit of determination. Some analytical duplicate pairs exhibit significant variance at higher as well as at lower concentration levels near the analytical limits of determination. It is noted that this variability is not uniform for all duplicate pairs and for most pairs the reproducibility for these elements is excellent. When duplicate pairs are assessed using simple linear regression there is a single sample recognized as an "influential case. This is the duplicate pair collected from site A061 and has duplicate analyses of 2190 and 250 ppb Cu. The "Outliers and Influence" plots below illustrate that this duplicate pair is not characteristic of the remainder of the analytical duplicates. The variability in the remainder of the Cu analyses for duplicate pairs is almost nil.

Outliers and Influence




Outliers and Influence
2000
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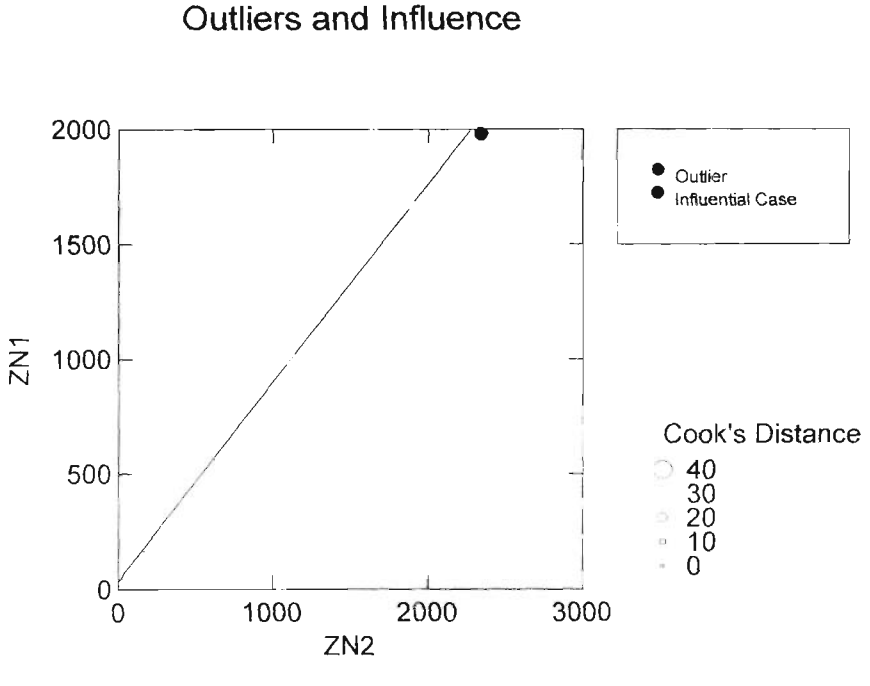
Outliers and Influence
2000
1500
1000
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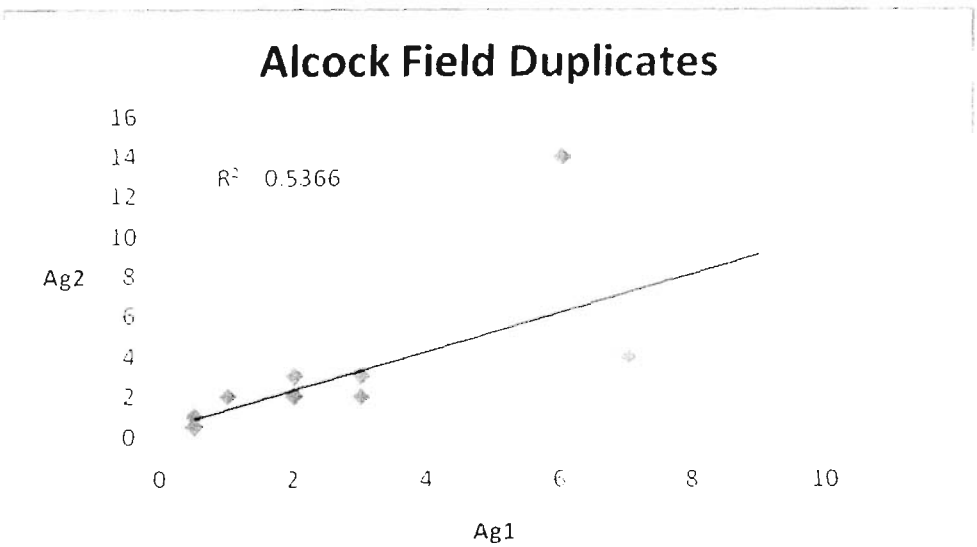
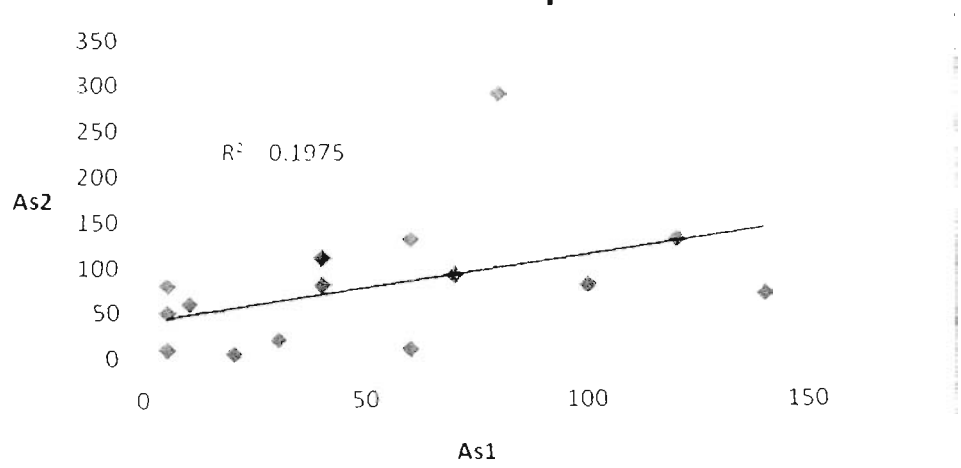
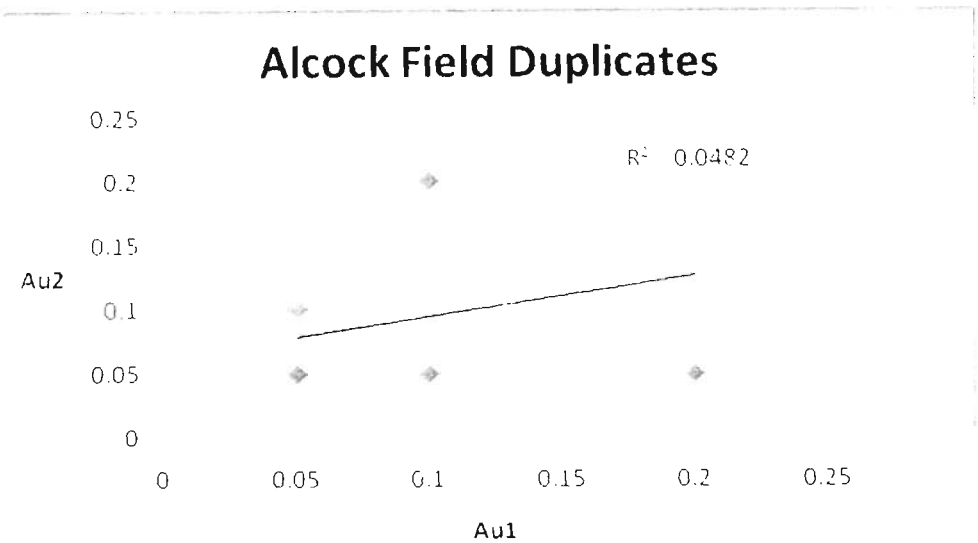
0
ZN1
0
1000
2000
3000
ZN2
Outlier
Influential Case
Cook's Distance
40
30
20
10
0

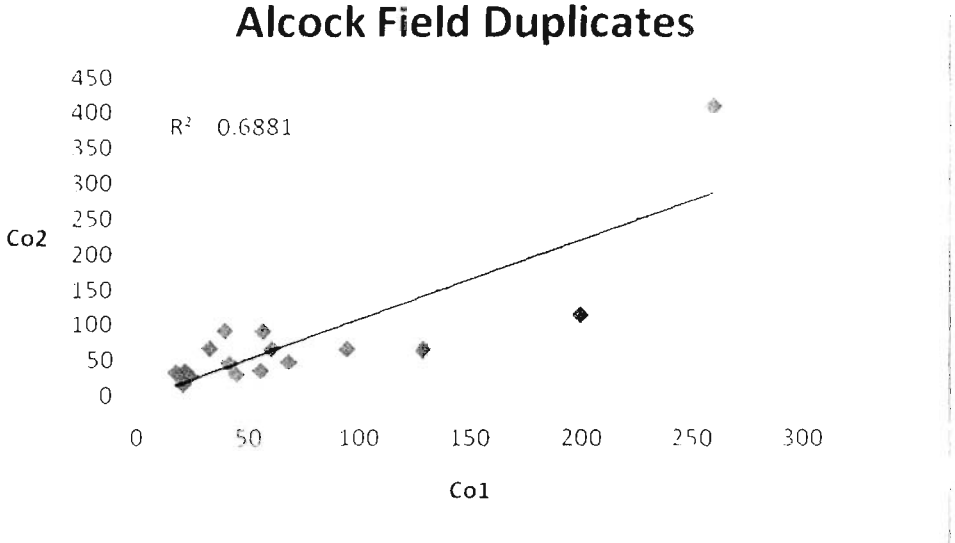
Data Reproducibility-Field Duplicates

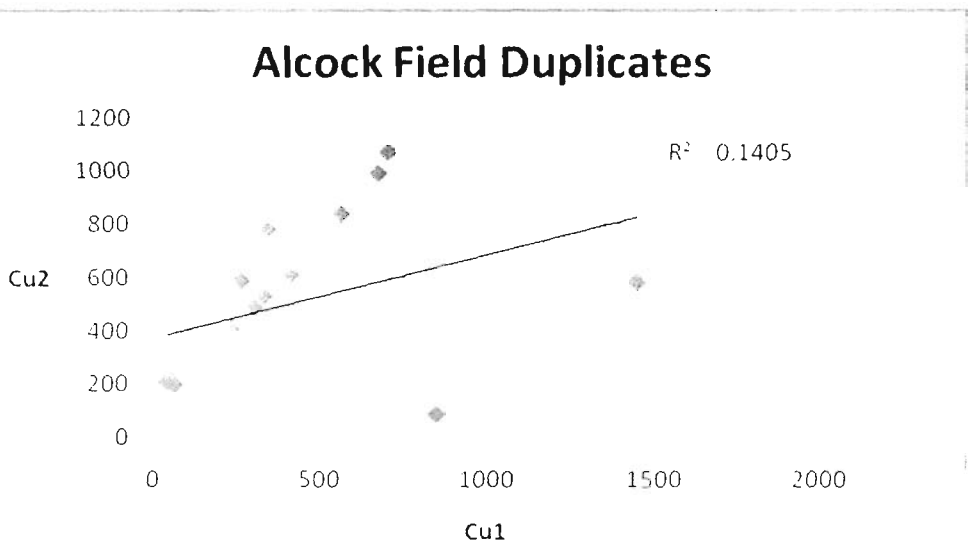
Plots of field duplicate analyses for the eight MMI-M elements complete with R^2, a measure of significance, are presented below. These plots document the reproducibility for the elements Ag and Co and the apparent lack of reproducibility for the elements As, Au, Cu, Sb, W and Zn. This lack of reproducibility may reflect the variability of the physical characteristics of the soil sample such as grain size variations, inorganic/organic variability in the sample, depth variations, compaction of the sample with the auger or the inherent problems in field duplicate reproducibility in samples analyzed subsequent to partial extractions. This is discussed in the subsequent section "Discussion".

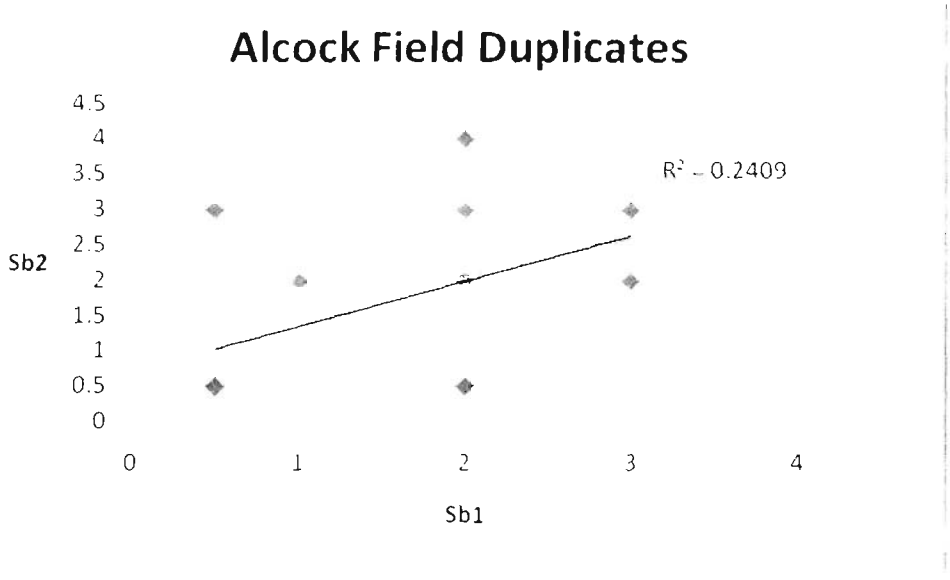


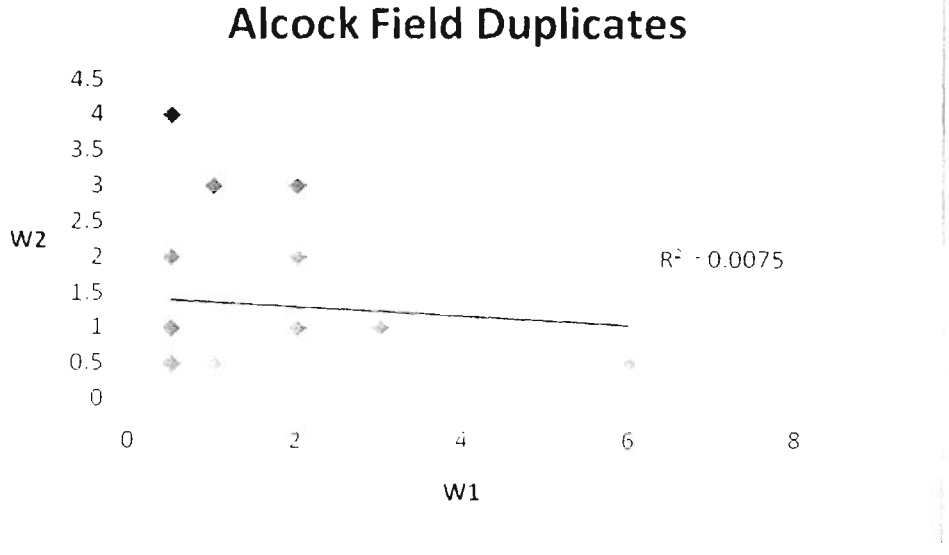

Alcock Field Duplicates
350
300
250
200
150
100
50
0
R² 0.1975
As2
0
50
100
150
As1

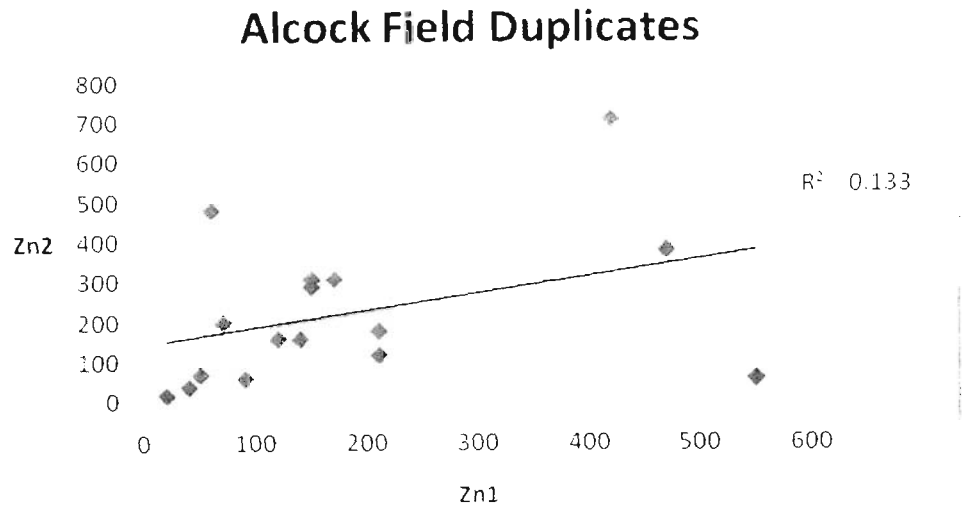

Alcock Field Duplicates
0.25
0.2
0.15
0.1
0.05
0
R² 0.0482
Au2
0
0.05
0.1
0.15
0.2
0.25
Au1


Alcock Field Duplicates
R² 0.6881
Co2
Co1
450
400
350
300
250
200
150
100
50
0
0
50
100
150
200
250
300


Alcock Field Duplicates
R² 0.1405
Cu2
Cu1
1200
1000
800
600
400
200
0
0
500
1000
1500
2000


Alcock Field Duplicates
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Sb2
R² = 0.2409
0
1
2
3
4
Sb1


Alcock Field Duplicates
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
W2
R² = 0.0075
0
2
4
6
8
W1



Standard Reference Materials

The replicate analyses of MMI standard MMISRM16 indicate excellent accuracy in the analytical data for the eight elements selected for analysis.

Analytical Blank Replicates

Replicate analyses for the analytical blank indicate very minor contaminants in the analytical stream. These include a single sample with 10 ppb Cu and two samples with 20 ppb and 30 ppb Zn. No other samples were noted to have detectable concentrations of the MMI-M suite of elements selected for analysis. This indicates that no significant contaminants are being added to the samples from the commencement through to completion of analysis.

Method of Interpretation

Multivariate statistical and graphical techniques were not utilized for the interpretation of MMI data in the Alcock survey. A simple visual approach was used. The MMI-M data were examined for anomalous spikes or groups of elevated responses for single and/or coincident elements. Element groupings such as Au-Ag, Au-Ag-Pd, Zn-Cd, Ni-Co, Ni-Co-Ag and Ni-Cu all have relevance to underlying geological conditions and their contained mineralization and are used to assist the rankings of any particular MMI response in terms of follow-up.

When concentration-only data is reviewed unique "spikes" or anomalous responses are assessed. When response ratios are used there are general guidelines brought to bear on the interpretation. Generally, a response ratio of 1-10 times background is interpreted to be of little or no interest, >20 or 20 times background is an initial indication of a low-contrast anomalous response although this "threshold" is not universal. A response of between 20 and 50 is used as a moderate response with RR>50 being referred to as high contrast. Often, pattern recognition in the interpretation of geochemical data is paramount, particularly when interpreting bubble plots or contoured data.

Areal Distribution of Anomalous Responses In The Alcock Survey Area

Vertical Mapper Bubble Plots

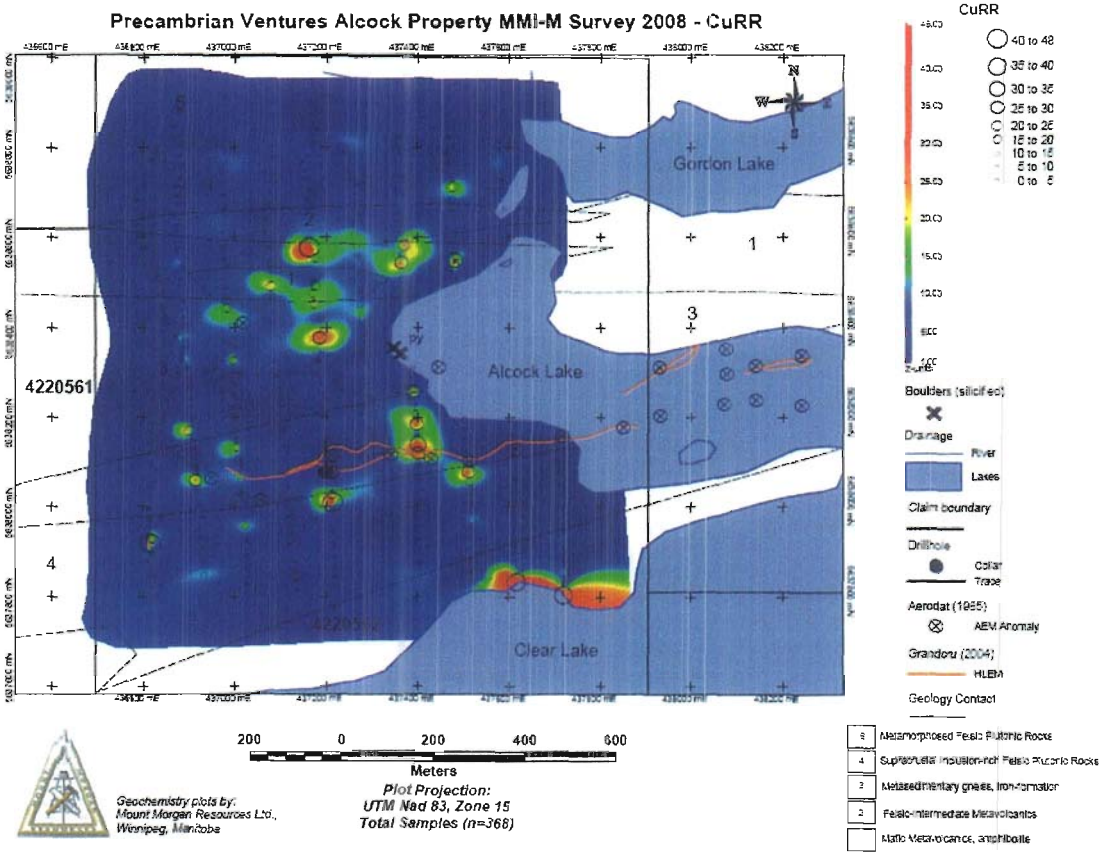
The variation in concentration and the resulting morphologies of anomalous responses in the MMI-M data from the Alcock survey area are described in the

following section. Plots are produced with Vertical Mapper, a module within MAPINFO, with bubble plots draped upon a **DWG** file illustrating pertinent exploration/geological observations. The **DWG** file was supplied by Mr. Greg Campbell of Precambrian Ventures.

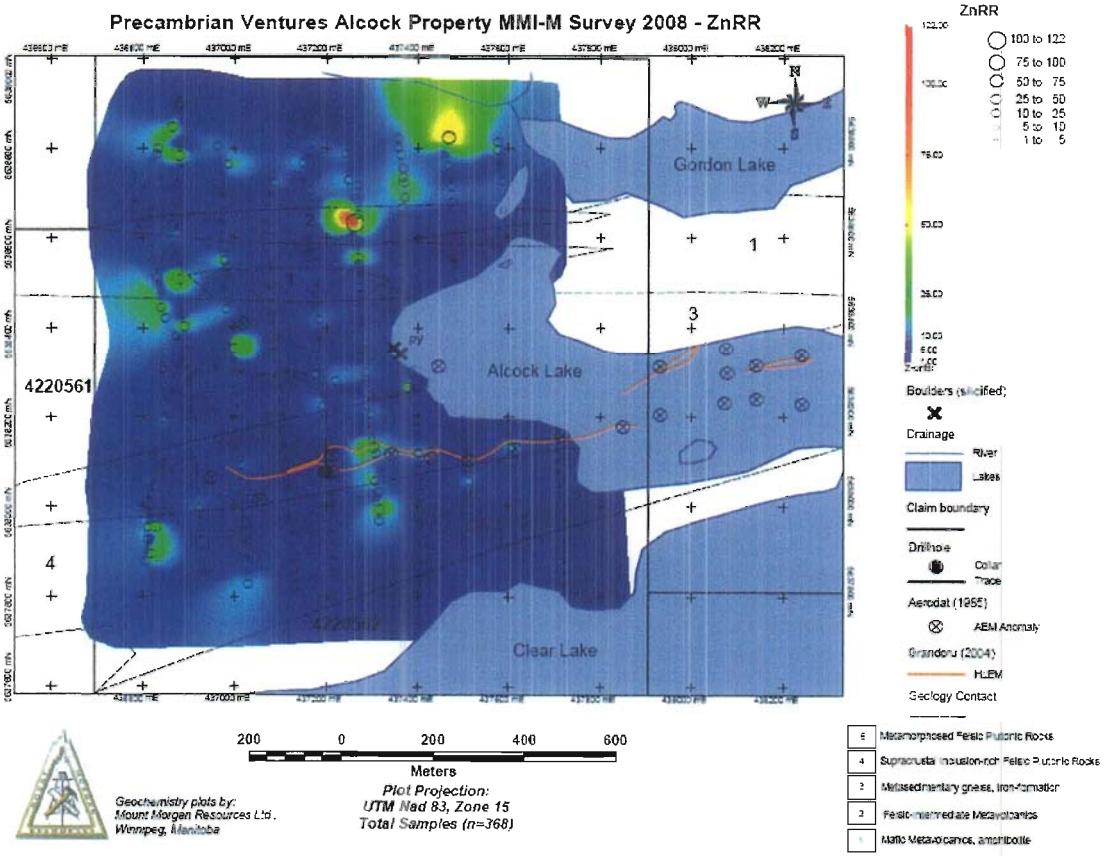
The Alcock MMI-M geochemical narrative uses the shortened "ALC" to describe observations on the property. In addition the use of truncated data to assess less conspicuous element trends in lower-contrast responses is used throughout the following section. These responses can often be masked by one or more very large-contrast responses. Accordingly, any response ratio of >100 is re-set to 100 and the data re-plotted.

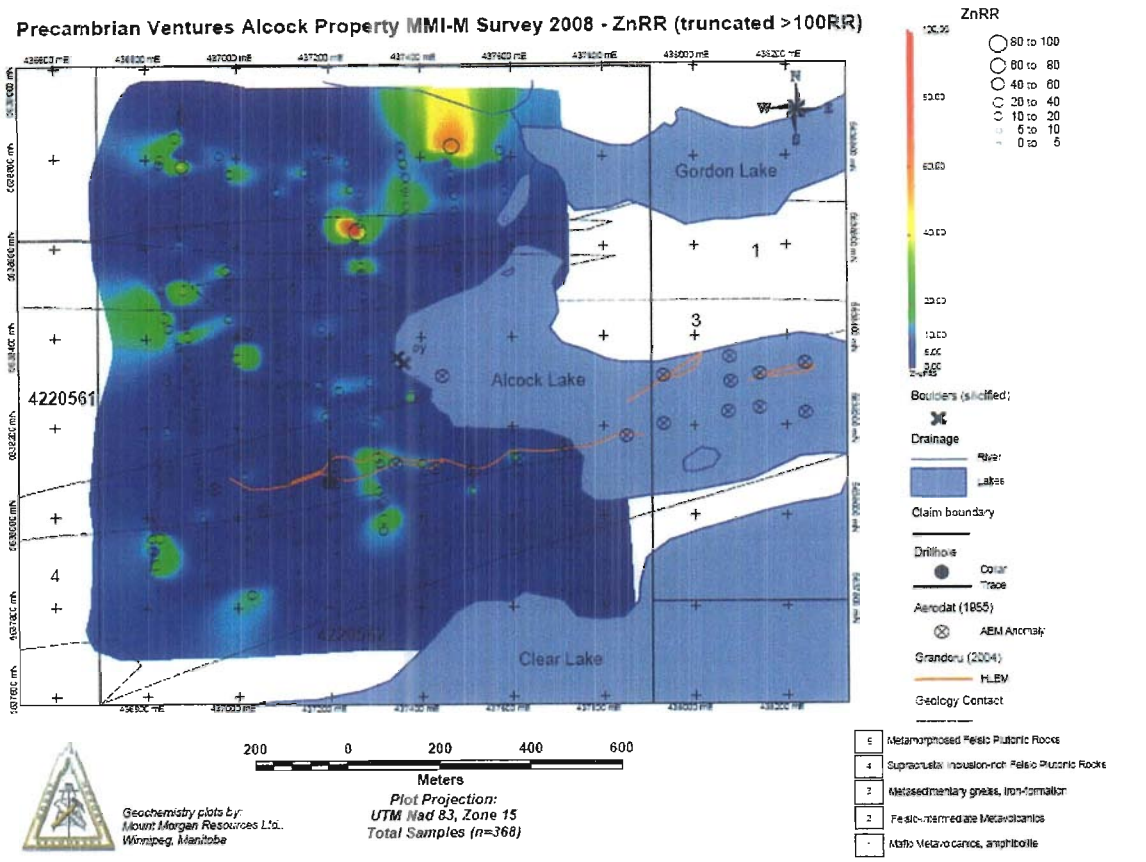
Base Metal Responses

CuRR (1- 48RR): Elevated Cu responses tend to be scattered across the grid with no apparent lithologic control. There is a low- to moderate-contrast two-sample Cu anomaly that is coincident with the Alcock Lake HLEM geophysical anomaly. There are two moderate-contrast Cu responses documented from the northern shoreline of Clear Lake.

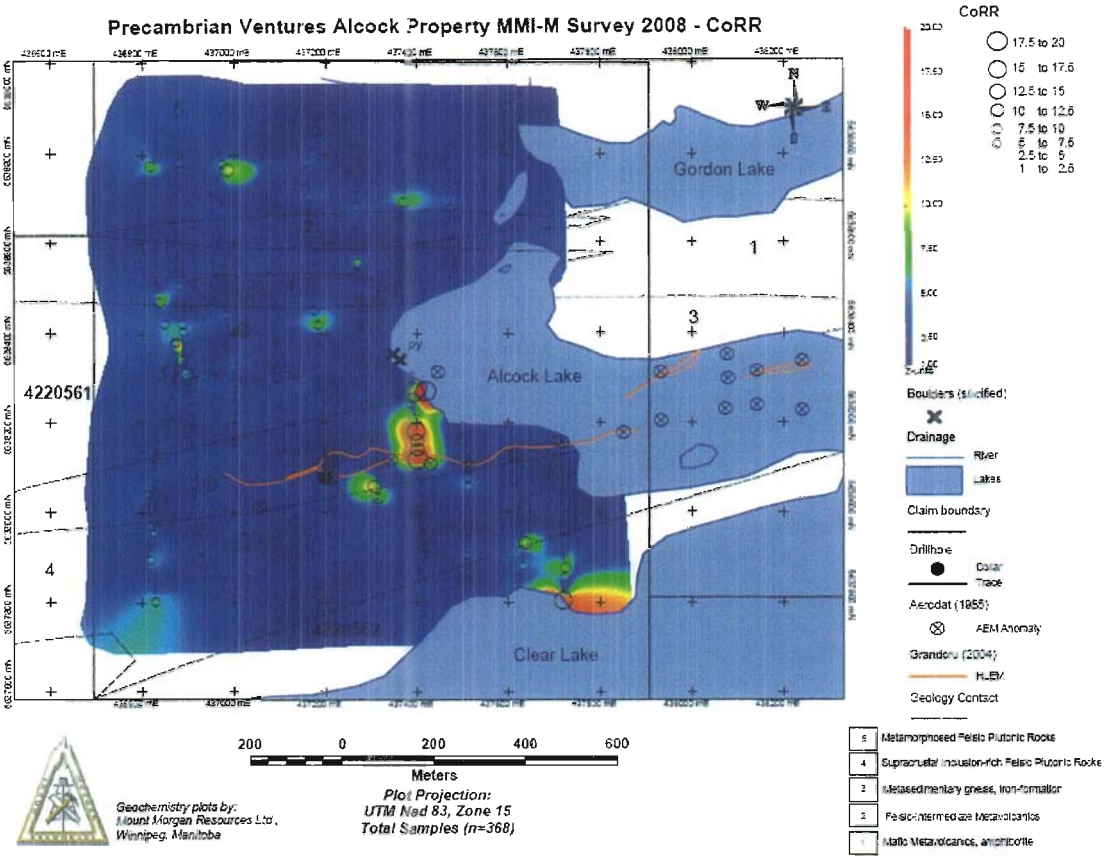


ZnRR (1- 122RR): Non-truncated Zn data documents a single-sample high-contrast maximum response of 122 times background situated over felsic-intermediate volcanic rocks in the northern portion of the grid. There is also a single-sample high-contrast response west of Gordon Lake. Truncated data (at 100RR) does not improve the pattern of Zn response on the grid.

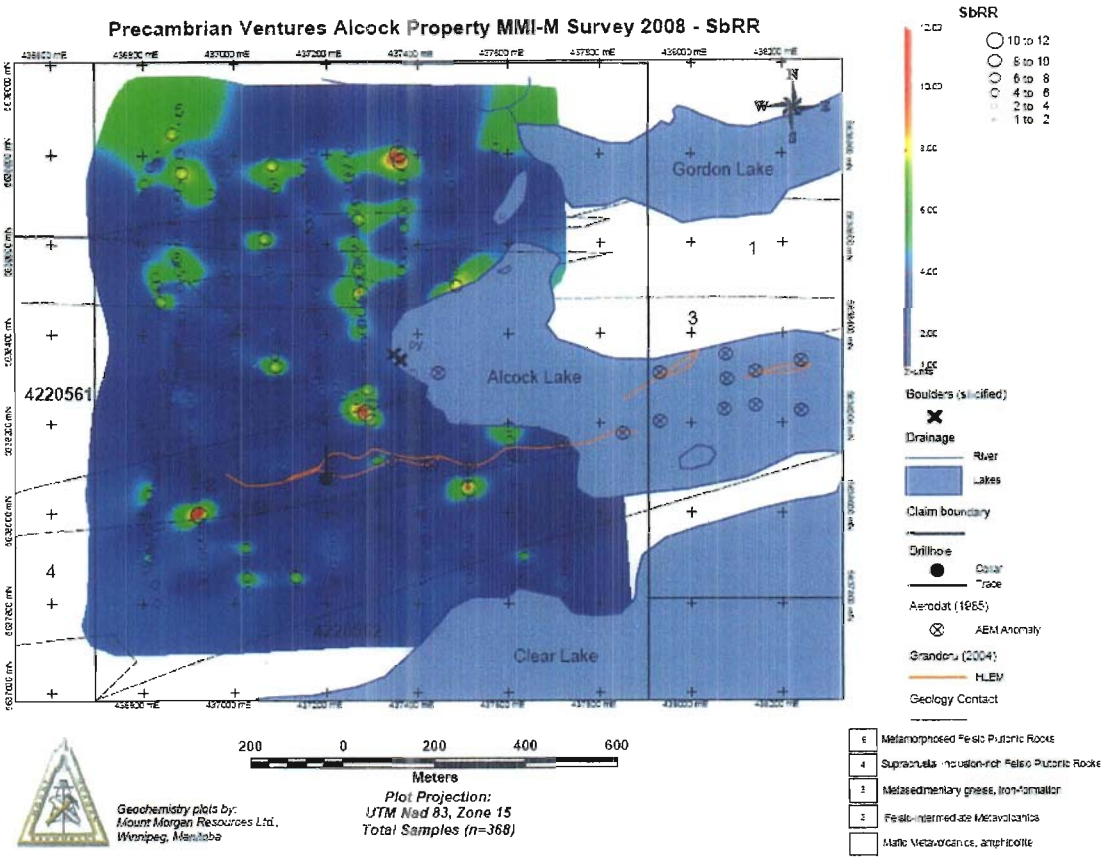




CoRR (1-20 RR): Cobalt responses of significance are restricted to an area on the west shore of Alcock Lake south of the location of boulders that were found to be geochemically anomalous in their Au contents. The trend of elevated Continues southward along one sampling transect with this pattern truncated at the intersection with the east-west-trending Alcock Lake HLEM anomaly. There is a single sample anomaly present on the northern shoreline of Clear Lake at the same site where a Cu anomaly was documented. There are no other responses of significance on the grid.

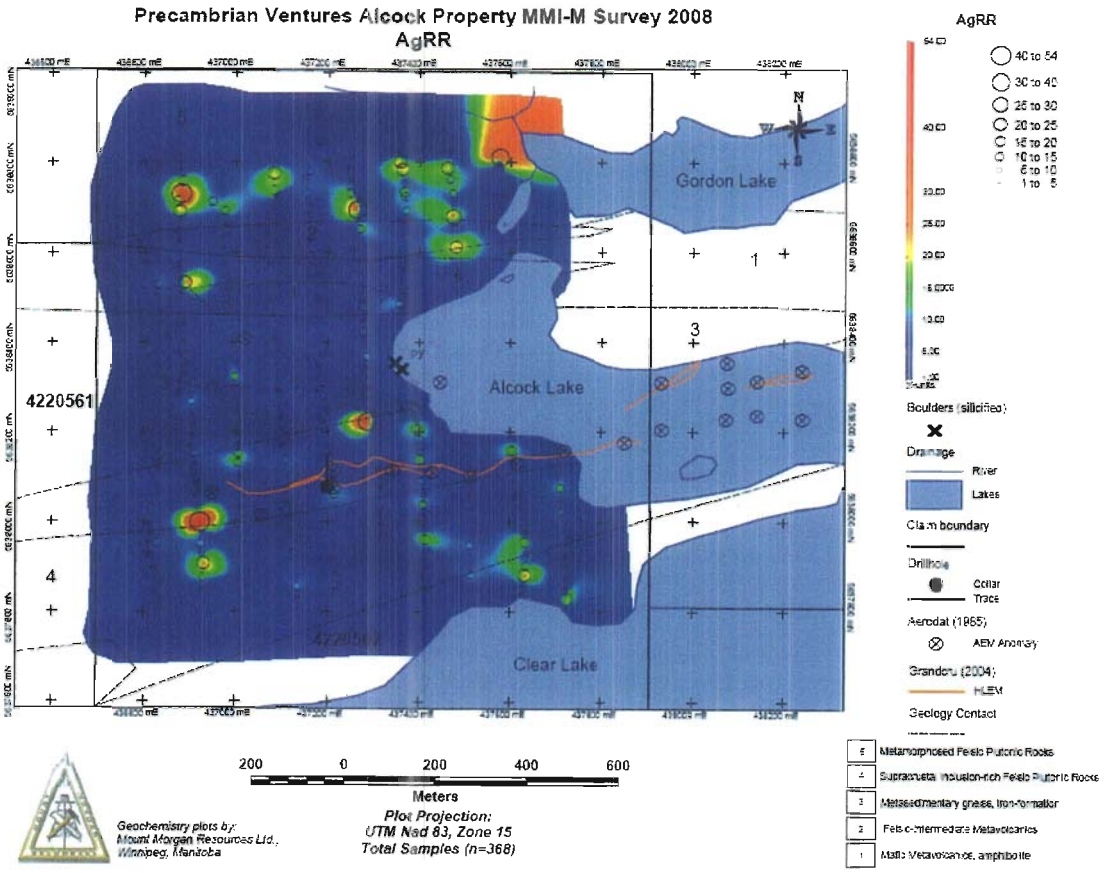


SbRR (1-12): Low-contrast Sb responses characterize the grid with a suggestion of line-specific control to the elevated responses. The majority of the elevated responses occur in the northern grid area over metamorphosed felsic plutonic and felsic-intermediate metavolcanic rocks.



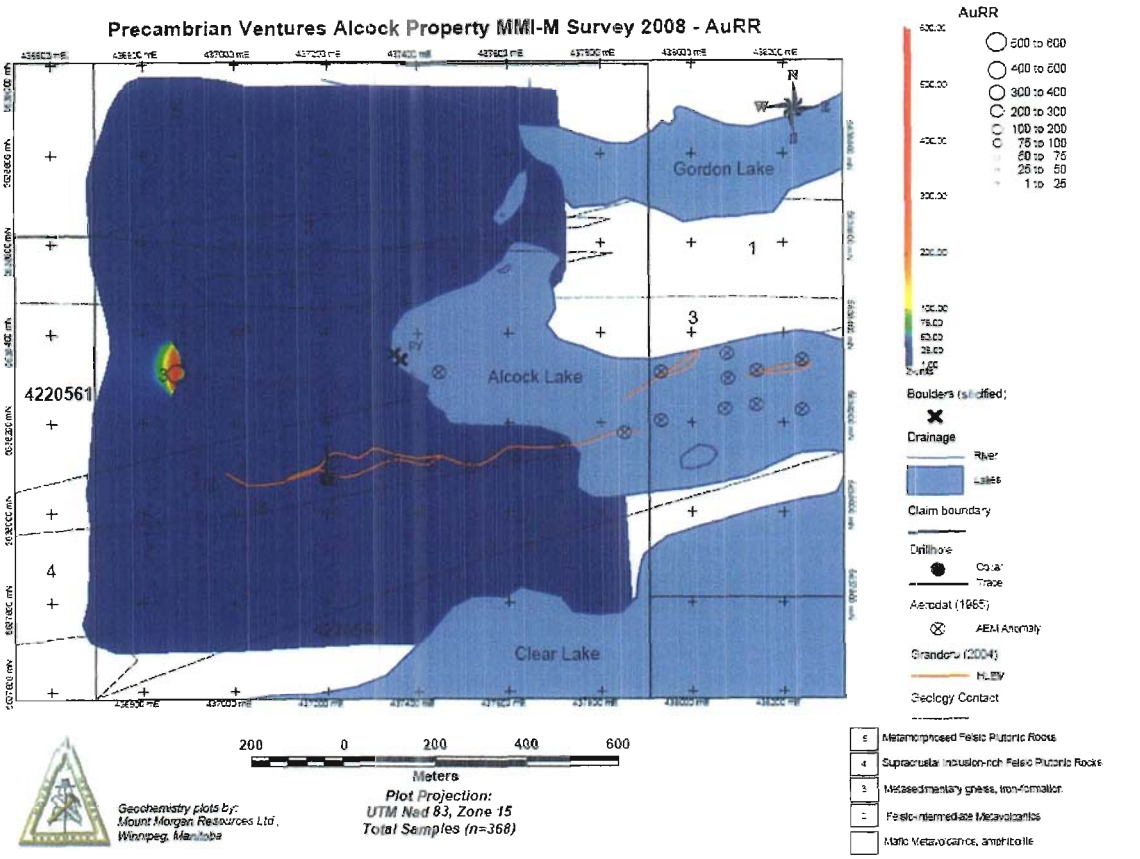
Precious and Related Metal Responses

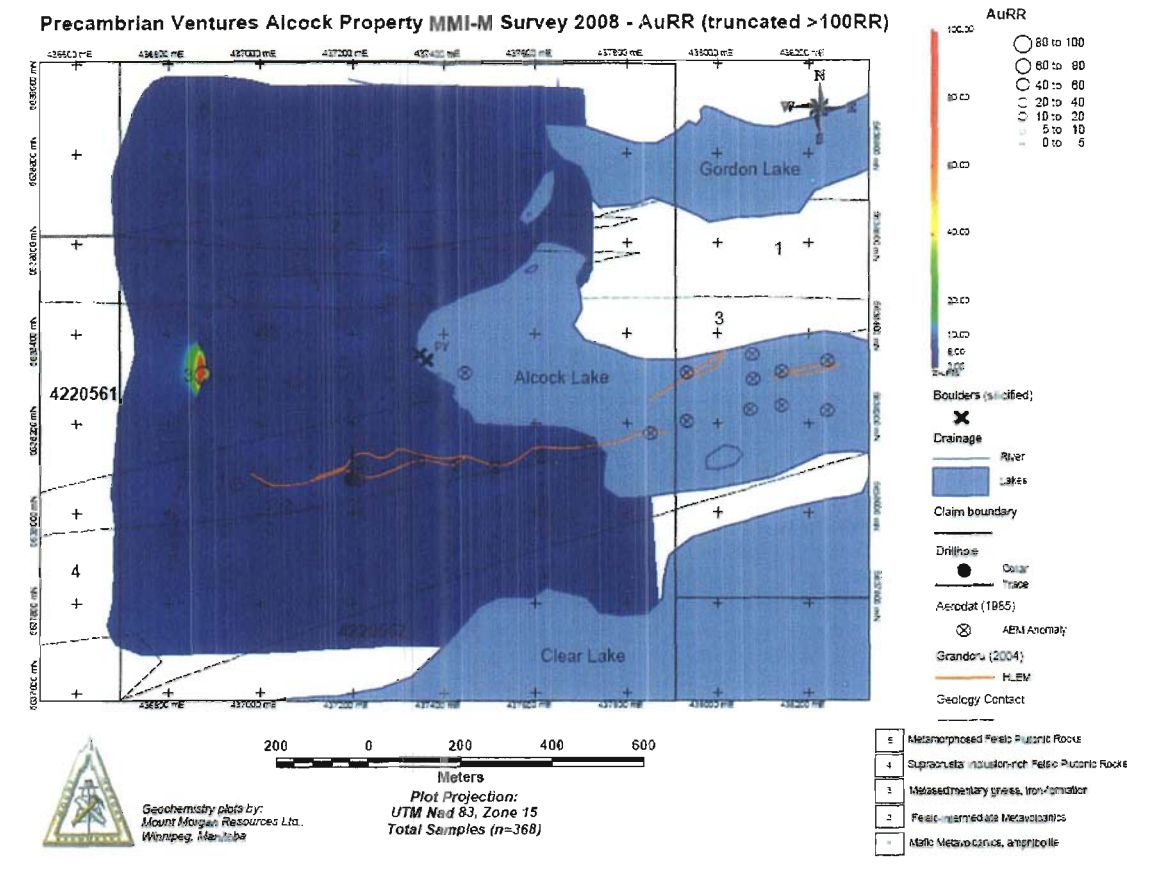
AgRR (1- 54RR): Silver responses on the property tend to form isolated single and occasionally multiple sample anomalies that for the most part are restricted to single sample transects/grid lines. The northern portion of the survey grid west of Gordon Lake has a greater number of elevated responses than elsewhere on the grid and in some respects the responses suggest an east-west linearity to the responses. There is no coincidence between the elevated AgRR and the Alcock Lake HLEM anomaly.



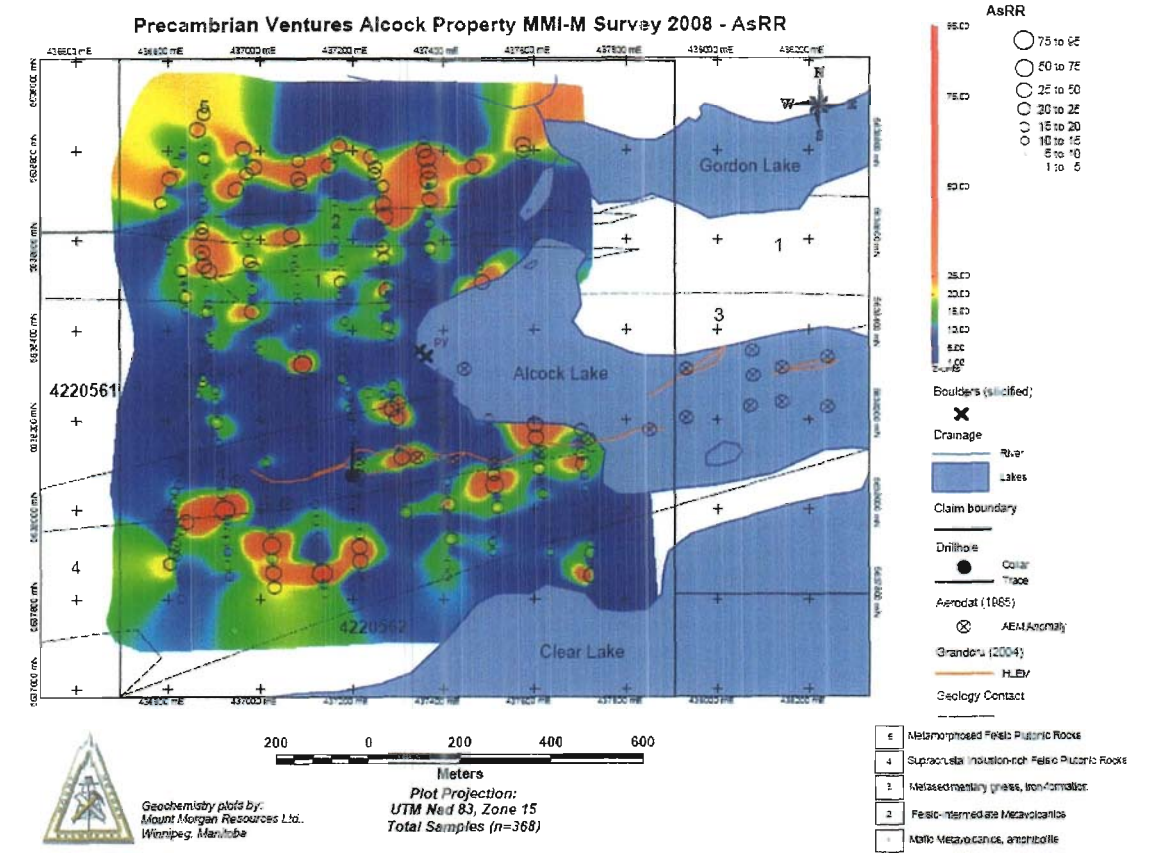
AuRR (1- 600RR): A single sample very high-contrast Au response of 600 times background occurs at the western extremity of the grid due west of Alcock Lake and the location of Au-anomalous (30-100 ppb Au) boulders described earlier. Given the fact that the very strong, albeit single sample anomaly, occurs on the western edge of the grid the anomaly could be suggestive of a significant Au anomaly developed to the west of this sample location. There is no association between the Alcock Lake HLEM anomaly and the Au anomaly and no correspondence between the Au, Ag and As responses. The bedrock in the

vicinity of the Au anomaly is metasedimentary gneiss and iron formation. Data truncation does not improve the pattern of Au response on the property.

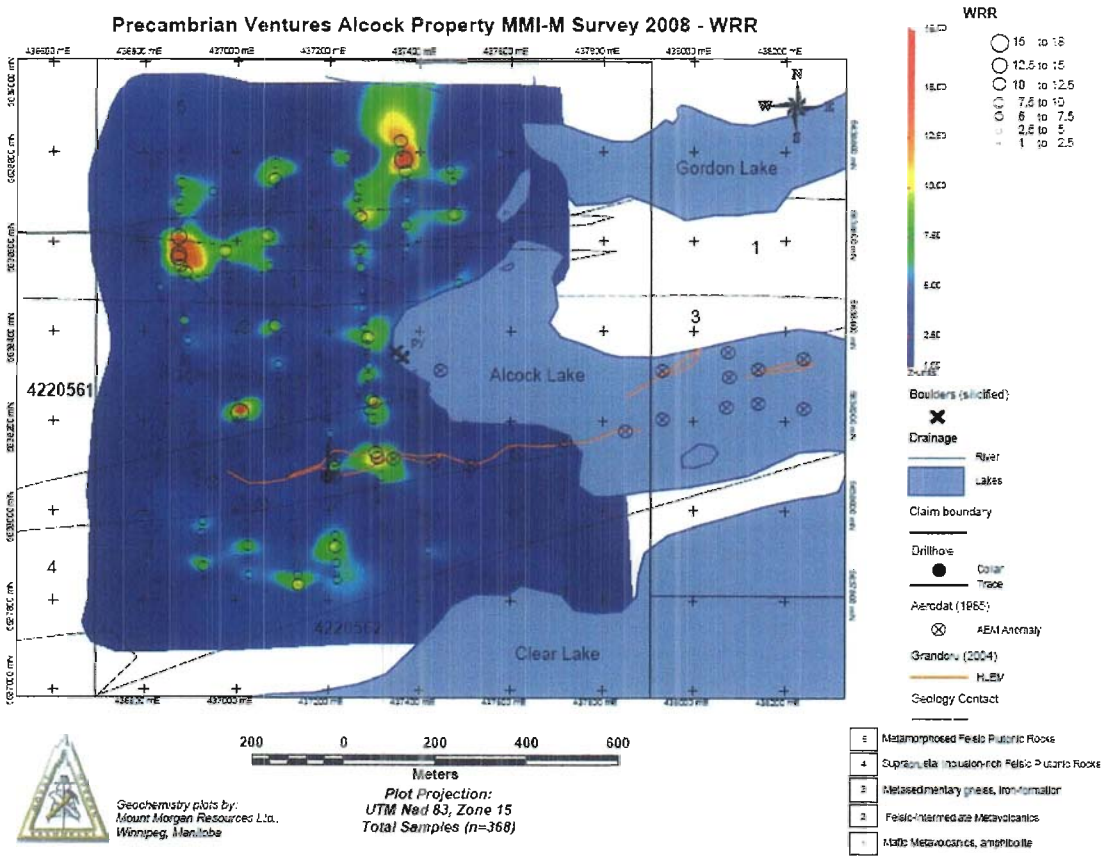




AsRR (1- 95RR): The property is marked by high-contrast, linear and sinuous As responses that are laterally continuous in an east-west direction over six sampling transects for an approximate distance of 600 m west of Gordon Lake and west and southwest of Alcock Lake. Some elevated As responses are associated with the Alcock Lake HLEM geophysical anomaly and there is some coincidence between the As and Ag responses west of Gordon Lake.



WRR (1- 18RR): Tungsten responses on the grid are characteristically low-contrast and appear to be restricted to individual sampling transects/grid lines. Elevated responses west of Gordon Lake appear to be different in that anomalies extend between two sampling transects. There is some coincidence between W, As and Ag responses west of Gordon lake and with the Alcock Lake HLEM geophysical anomaly east of a single, plotted drill collar. The highest W responses are noted to occur in soil samples collected over lithologies mapped as metamorphosed felsic plutonic rocks.



DISCUSSION

The responses from eight MMI-M suite elements in soils collected from the Alcock property have returned patterns that are for the most part single sample-single transect anomalies. There is little correspondence between the MMI-M responses and obvious features on the map such as the Alcock Lake HLEM anomaly, lithologic boundaries or specific lithologies. The apparent lack of obvious MMI-M multi-sample and multi-element anomalies and the correspondence between the anomalies and the geologic architecture of the property might be explained by the mixing of different soil types and the

derivation of the anomaly maps from these data. However, when the 25th percentiles and the backgrounds upon which the response ratios were derived there appears to be no way to explain the lack of bona fide, extensive and high-contrast MMI-M element anomalies on the sampling grid. The table below summarizes the 25th percentiles and backgrounds for each MMI-M element analyzed for this survey and when examined there is clearly no difference between organic and inorganic responses for the element suite Au, Ag, Co, Sb, W and Zn. Apparent differences exist for Cu and As however when the two different soil types are combined the responses for Cu and As are similar and do not suffer lack of contrast.

Of particular interest is the extremely high, albeit single sample Au anomaly defined on the western extremity of sampling. This anomalous site is due west of the location of Au-geochemically anomalous assays for unconsolidated boulders that exist on the property and as such requires additional field and laboratory examination to determine the significance and possible relationship between these two features.

The northern portion of the grid has As responses in soil samples that are strongly suggestive of east-west-trending, possibly stratabound/strataform mineralized strata. The relative lack of correspondence between these responses and the Au, Ag, Cu and Zn should not be a deterrent to further exploration with attention required to the relationship between these As anomalies, the presence

of the Au-geochemically anomalous boulders and the very high Au response of 600 times background.

Good data quality in MMI surveys, as in any other geochemical survey, is essential for successful exploration. The overall data quality is considered to be good with the possible exception of the variability in field sample duplicates. The character of these duplicates in terms of organic content, or in the case of field duplicate samples that are organic soils, different degrees of humification can impart significant variance in analytical results particularly in partial extraction data. The impact of these characteristics can be ameliorated by converting the geochemical data to response ratios and plotting on this basis.

Summary of 25TH percentiles and backgrounds for the various soil sample types and a composite 25th percentile and background based on all soil samples.

Analyte	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Detection	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
Inorganic								
25TH PERCENTILE	1	30	0.05	37	202.5	0.5	0.5	100
BACKGROUND	0.5	9.64286	0.05	26.612	137.013	0.5	0.5	55.61644
Organic								
25TH PERCENTILE	0.5	5	0.05	38.5	95	0.5	0.5	90
BACKGROUND	0.5	5	0.05	25.786	36.7857	0.5	0.5	39.62963
Combined Inorganic and Organic								
25TH PERCENTILE	0.5	20	0.05	37	190	0.5	0.5	90
BACKGROUND	0.5	5.97087	0.05	26.064	99.7115	0.5	0.5	49.26316

In addition, the collection of soil samples with an auger can also impart significant variance to soil samples that are analyzed by partial extraction. Augering soils can result in compacted and often mixed soil types resulting in geochemical data that is neither accurate, precise nor representative.

CONCLUSIONS AND RECOMMENDATIONS

The following preliminary conclusions are evident from this MMI-M exploration survey on the Alcock property.

1. The survey has successfully demonstrated that MMI-M partial extractions on inorganic and organic soil samples can isolate MMI-M precious and base metal anomalies. This includes the commodity elements Au, Ag, Cu and Zn as well as pathfinder elements As, Sb, Co and W.

2. The grid is characterized by single- to multiple sample anomalies that tend to be restricted to single sample transects. This is suggestive of sampling error or the lack of cohesive ***bona fide*** MMI anomalous responses present on the property. Having stated this, there is a significant Au anomaly present on the western extremity of the grid that requires follow-up particularly since the property is marked by boulders of anomalous geochemical character with regards to Au (30-100 ppb). A laterally extensive As anomaly is also present.

3. The HLEM conductor defined on the property does not appear to have a significant MMI anomaly associated with it. The HLEM response may be representative of a barren sulphide layer with minimal base and precious metal content.

4. Sampling materials collected for MMI analysis are effective and appropriate sample media for an MMI survey.

5. The selection of 8 MMI-M elements for this study has been successful in defining significant precious and base metal responses.

6. The analyses generated by the MMI-M extraction are accurate and precise in terms of analytical duplicates and are effective for the detection of low- to high-contrast MMI-M geochemical anomalies.

7. Field duplicate samples have much higher variance than analytical duplicates but conversion to response ratios will assist in alleviating this variability.

The recommendations that flow from this survey are as follows:

1. The MMI process does not indicate the grade of mineralization responsible for the production of an MMI anomaly nor does it indicate the depth of the source region for the anomaly. Accordingly, it is strongly recommended that an attempt at modeling the geological setting of the target mineralization based on their geophysical responses with emphasis on depth to source be undertaken prior to a diamond drill program. This exercise can greatly assist the drilling when attempting to provide explanations for the geological context of geophysical and MMI anomalies. The attitude of the target can be effectively delineated in this manner.

2. Prior to diamond drill testing the MMI dataset should be integrated with all available geophysical surveys so that multivariate drill targets can be determined.

3. The presence of the single-sample Au anomaly on the western extremity of the grid should be assessed with additional MMI-M surveys to ascertain the magnitude of the anomaly and its areal extent. The site where the 600 times background Au response was obtained should be re-sampled to ensure this response is not spurious.

4. Any additional MMI-M surveys should be undertaken using sampling protocols established during this exploration survey.

5. Orientation surveys should be undertaken prior to a full-blown exploration program with a significant MMI component. This orientation program should be based on vertical profiling to ascertain the most representative and significant sample depth for the isolation of a *bona fide* anomaly.

6. The inclusion of a soil sample to act as a standard in the future is an absolute necessity if the quality of analytical data is to be monitored with field duplicates. The necessary standards should have a significant range in concentration for the commodity elements of interest.

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April 20, 2009

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CERTIFICATE of AUTHOR

I, Mark A.F. Fedikow, HB.Sc. M.Sc., Ph.D., P.Eng. P.Geo. C.P.G., do hereby certify that:

1. I am currently a self-employed Consulting Geologist/Geochemist with an office at:

   50 Dobals Road North,
   Lac du Bonnet, Manitoba, Canada R0E 1A0.

2. I graduated with a degree in Honors Geology (B.Sc.) from the University of Windsor (Windsor, Ont.) in 1975. In addition, I earned a M.Sc. in geophysics and geochemistry from the University of Windsor and a Doctor of Philosophy (Ph.D.) in exploration geochemistry from the School of Applied Geology, University of New South Wales (Sydney) in 1982.

3. I am a Member of the Association of Professional Engineers and Geoscientists of Manitoba. I am also a Fellow of the Association of Applied Geochemists, and a Member of the Prospectors and Developers Association of Canada. I am registered as a Certified Professional Geologist ("C.P.G.") with the American Institute of Professional Geologists (Westminster, Colorado, U.S.A.).

4. I have worked as a geologist for a total of thirty-three years since my graduation from university; as a graduate student, as an employee of major and junior mining companies, the Manitoba Geological Survey and as an independent consultant.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 ("NI 43-101") and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a "qualified person" for the purposes of NI 43-101.

6. I am responsible for the preparation of the technical report titled "Results Of A Mobile Metal Ions Process (MMI-M) Soil Geochemical Survey On The Alcock

Base and Precious Metal Property, Red Lake/Madsen Mine Area, Northwest Ontario".

7. I have not had prior involvement with the property that is the subject of the Technical Report.

8. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.

9. I am independent of the issuer applying all of the tests in section 1.5 of National Instrument 43-101.

10. I consent to the filing of the Technical Report with any stock exchanges or other regulatory authority and any publication by them, including electronic publication in the public company files on the web sites accessible by the public, of the Technical Report.

Dated this 20th Day of April, 2009.

_____

Signature of Qualified Person

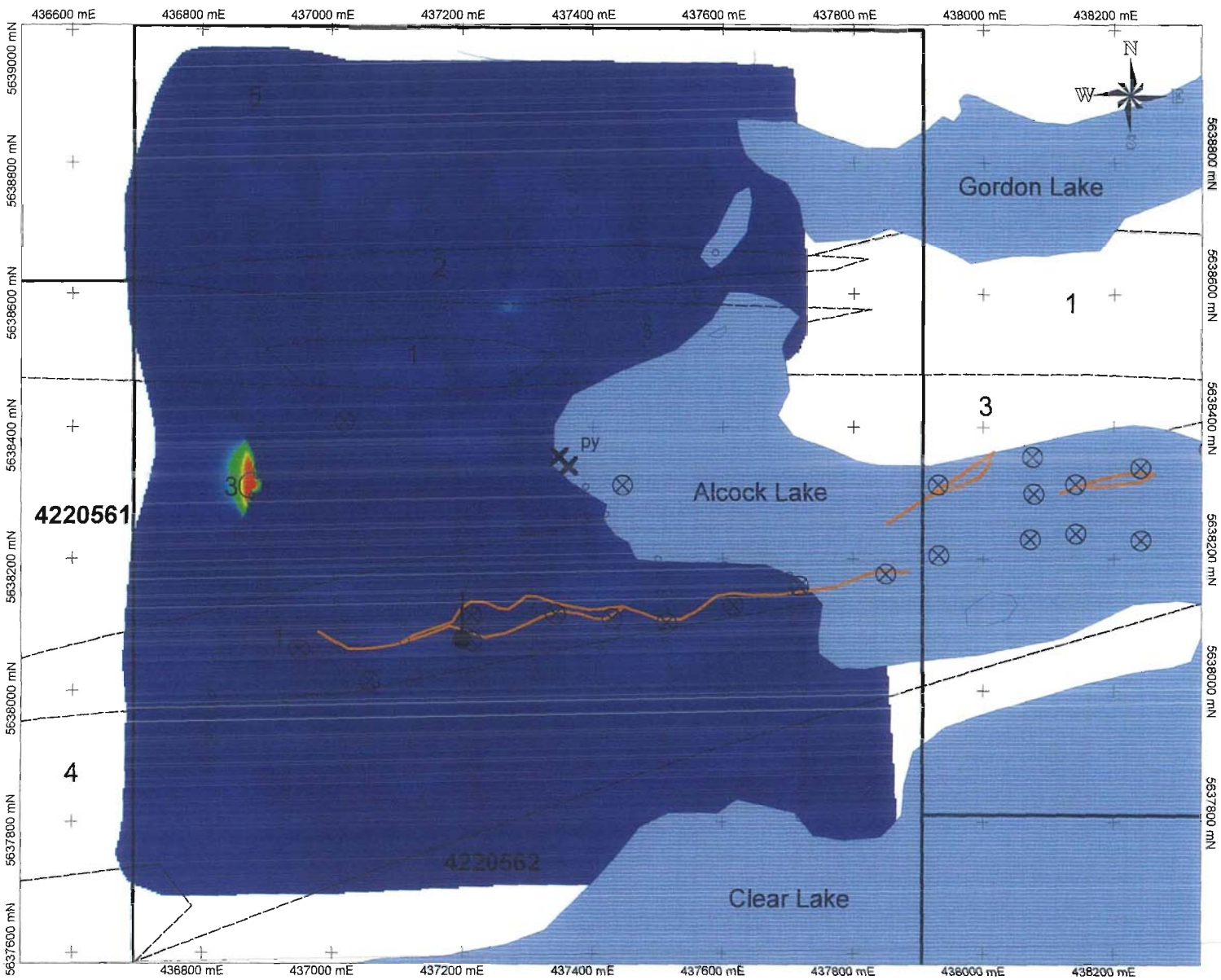
"M.A.F. Fedikow".

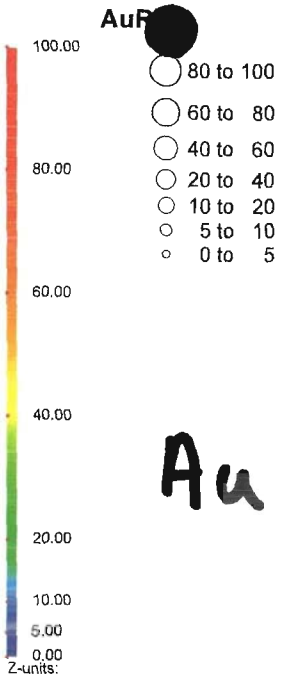
Print name of Qualified Person

APPENDIX 1

MMI Colour Contour Geochemical Plots for Au, Ag, As, Co, Cu, Zn, W and Sb, Alcock Property.

Prec●brian Ventures Alcock Property MMI-M Surv●2008 - AuRR (truncated >100RR)





Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

5	Metamorphosed Felsic Plutonic Rocks
4	Supracrustal Inclusion-rich Felsic Plutonic Rocks
3	Metasedimentary gneiss, iron-formation
2	Felsic-Intermediate Metavolcanics
1	Mafic Metavolcanics, amphibolite

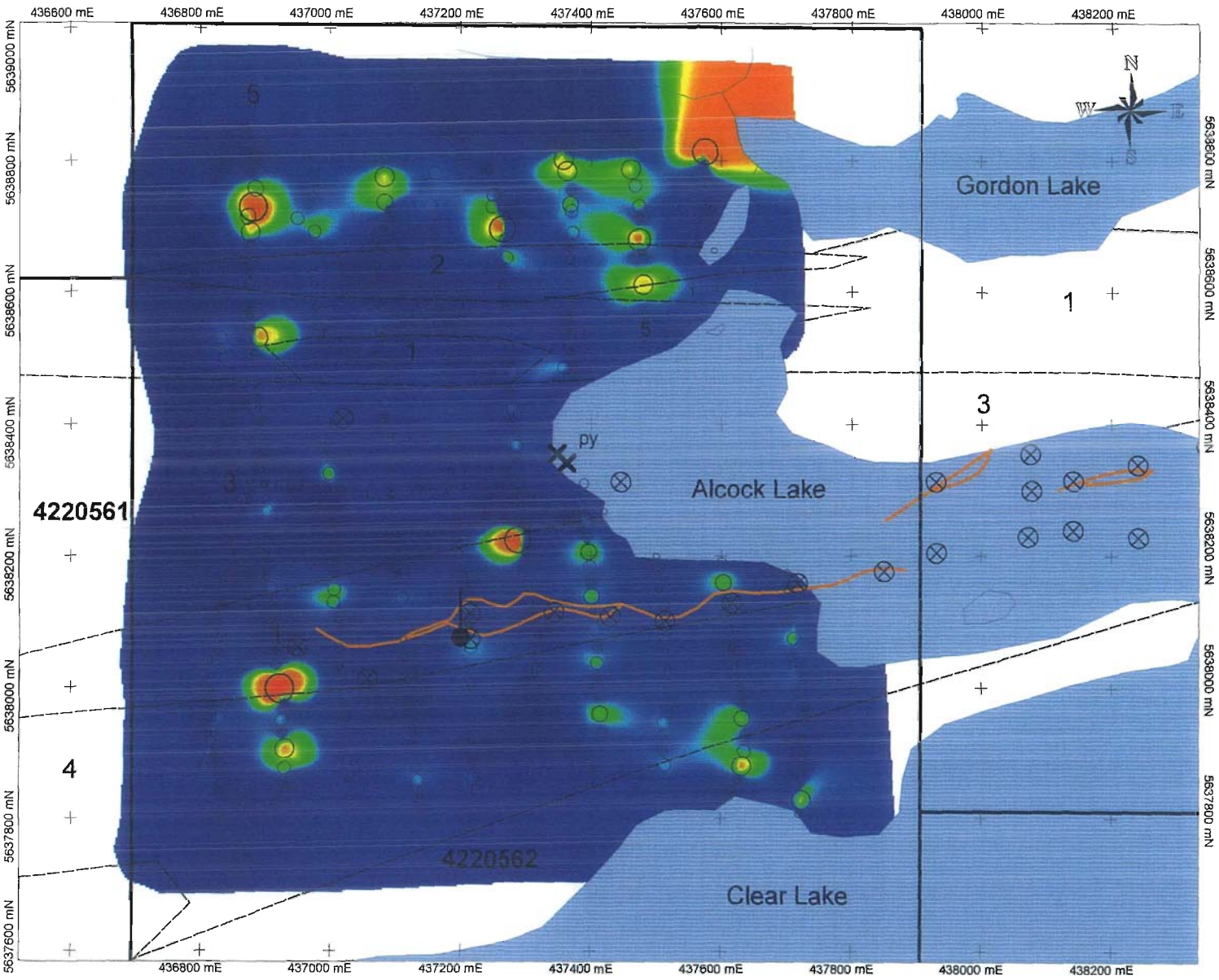
200 0 200 400 600

Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

Precambrian Ventures Alcock Property MMI-M Survey 2008
AgRR



AgRR

54.00
40.00
30.00
25.00
20.00
15.0000
10.00
5.00
1.00
Z-units:

40 to 54
30 to 40
25 to 30
20 to 25
15 to 20
10 to 15
5 to 10
1 to 5

Ag

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

5	Metamorphosed Felsic Plutonic Rocks
4	Supracrustal Inclusion-rich Felsic Plutonic Rocks
3	Metasedimentary gneiss, iron-formation
2	Felsic-Intermediate Metavolcanics
1	Mafic Metavolcanics, amphibolite

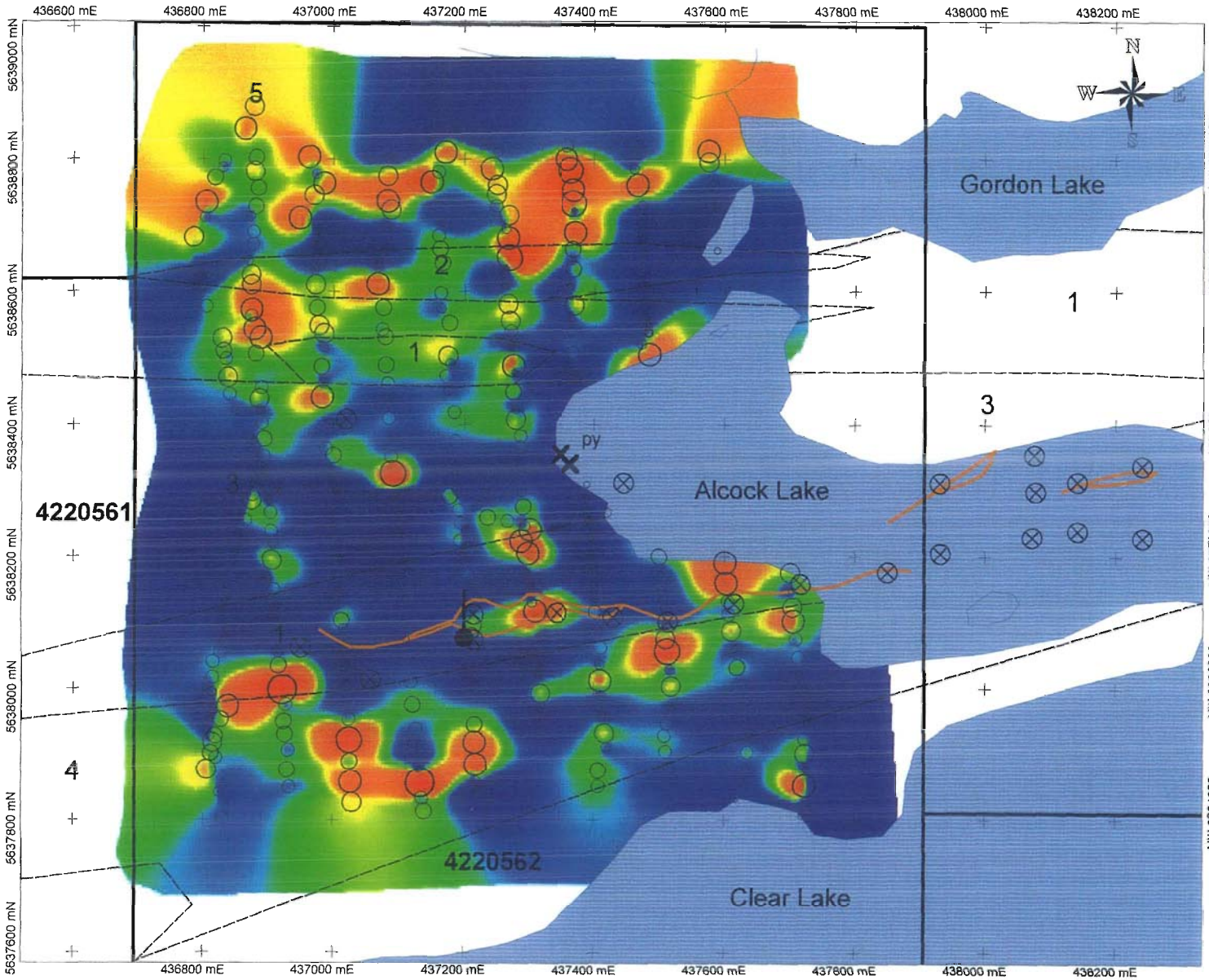
200 0 200 400 600

Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

Precambrian Ventures Alcock Property MMI-M Survey 2008 - AsRR



AsRR

95.00
75.00
50.00
25.00
20.00
15.00
10.00
5.00
1.00
Z-units:

75 to 95
50 to 75
25 to 50
20 to 25
15 to 20
10 to 15
5 to 10
1 to 5

As

Boulders (silicified)

Drainage
River
Lakes

Claim boundary

Drillhole
Collar
Trace

Aerodat (1985)
AEM Anomaly

Grandcru (2004)
HLEM

Geology Contact

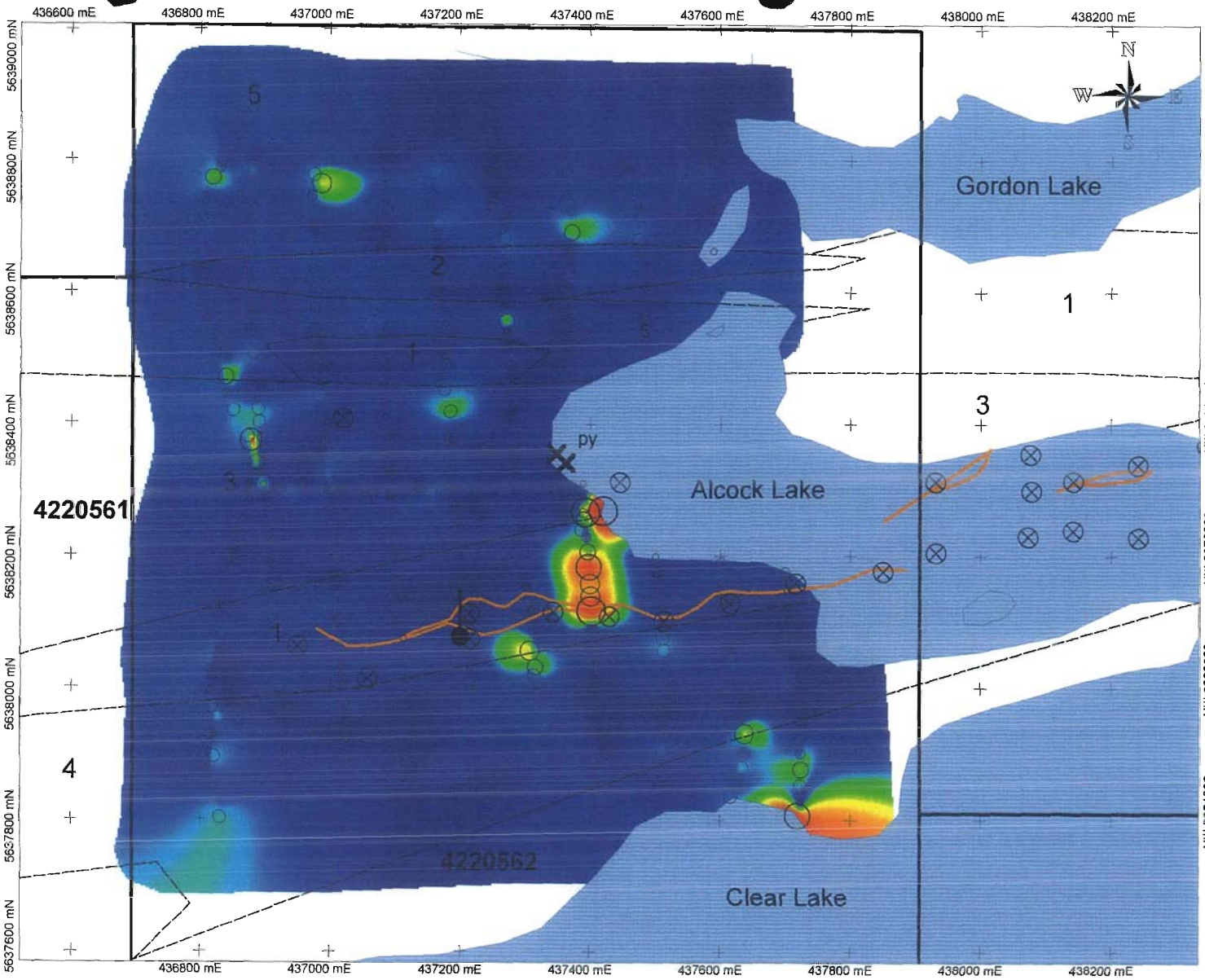
200 0 200 400 600
Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

5 Metamorphosed Felsic Plutonic Rocks
4 Supracrustal Inclusion-rich Felsic Plutonic Rocks
3 Metasedimentary gneiss, iron-formation
2 Felsic-Intermediate Metavolcanics
1 Mafic Metavolcanics, amphibolite

Precambrian Ventures Alcock Property MMI Survey 2008 - CoRR



CoRR

20.00
17.50
15.00
12.50
10.00
7.50
5.00
2.50
1.00
Z-units:

- 17.5 to 20
- 15 to 17.5
- 12.5 to 15
- 10 to 12.5
- 7.5 to 10
- 5 to 7.5
- 2.5 to 5
- 1 to 2.5

Co

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

200 0 200 400 600

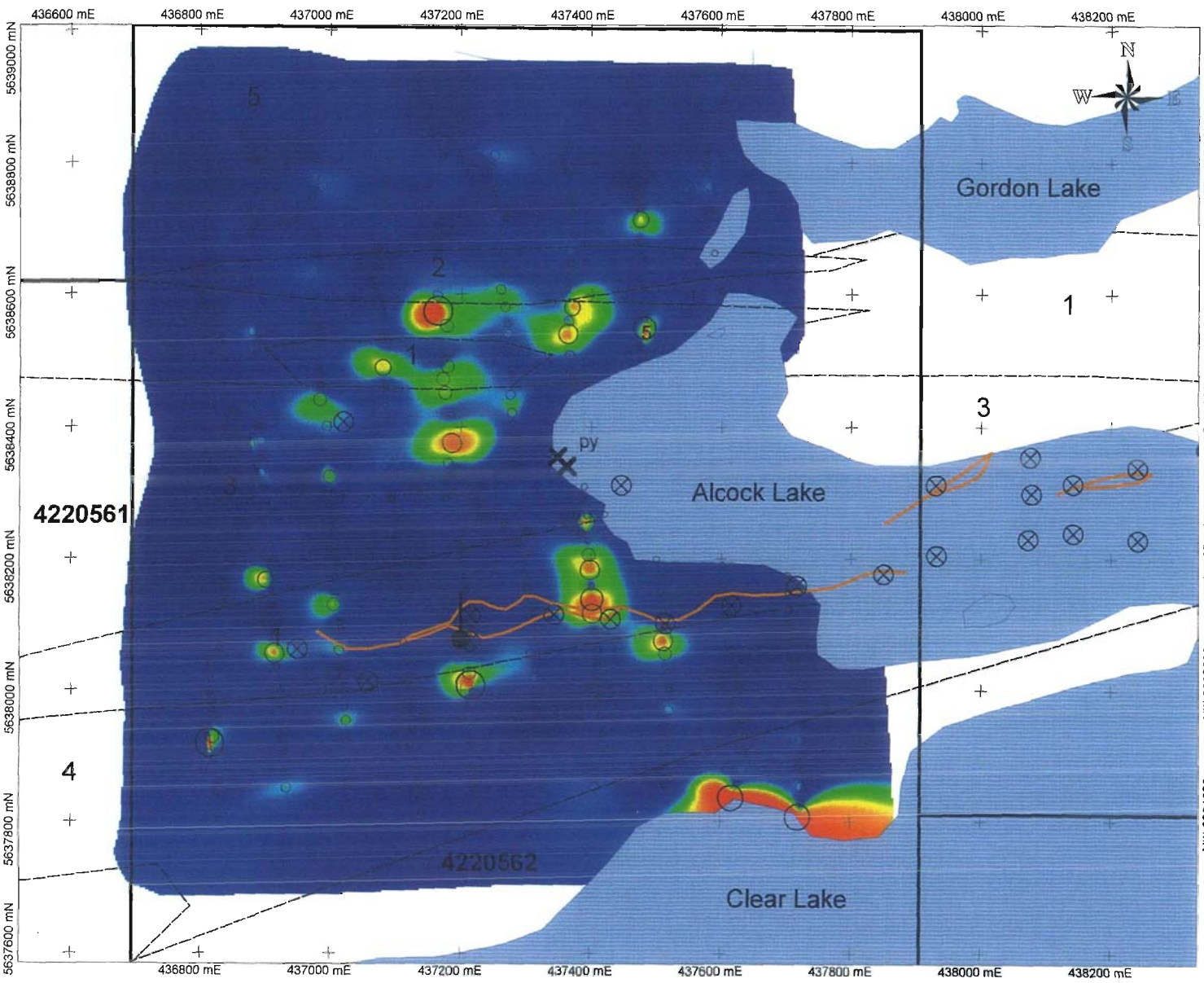
Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

5 Metamorphosed Felsic Plutonic Rocks
4 Supracrustal Inclusion-rich Felsic Plutonic Rocks
3 Metasedimentary gneiss, iron-formation
2 Felsic-Intermediate Metavolcanics
1 Mafic Metavolcanics, amphibolite

Precambrian Ventures Alcock Property MMI M Survey 2008 - CuRR



CuRR

48.00	40 to 48
40.00	35 to 40
35.00	30 to 35
30.00	25 to 30
25.00	20 to 25
20.00	15 to 20
15.00	10 to 15
10.00	5 to 10
5.00	0 to 5
1.00	

Z-units:

C5

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

200 0 200 400 600

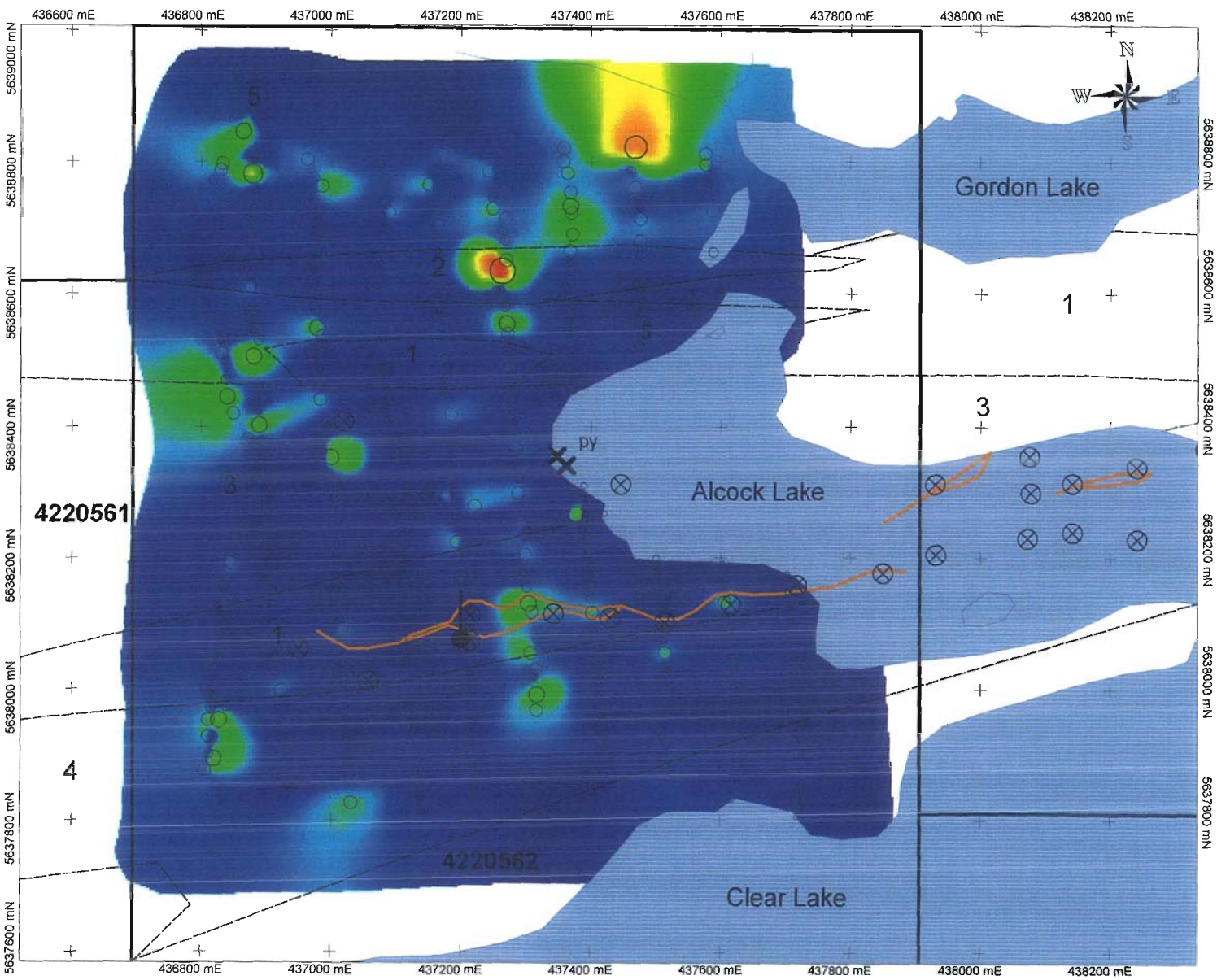
Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

5	Metamorphosed Felsic Plutonic Rocks
4	Supracrustal Inclusion-rich Felsic Plutonic Rocks
3	Metasedimentary gneiss, iron-formation
2	Felsic-Intermediate Metavolcanics
1	Mafic Metavolcanics, amphibolite

Precambrian Ventures Alcock Property MMI-M Survey 2008 - ZnRR (truncated >100RR)



ZnRR

- 80 to 100
- 60 to 80
- 40 to 60
- 20 to 40
- 10 to 20
- 5 to 10
- 0 to 5

100.00 / 80.00 / 60.00 / 40.00 / 20.00 / 10.00 / 5.00 / 0.00

Z-units:

Zn

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

200 0 200 400 600

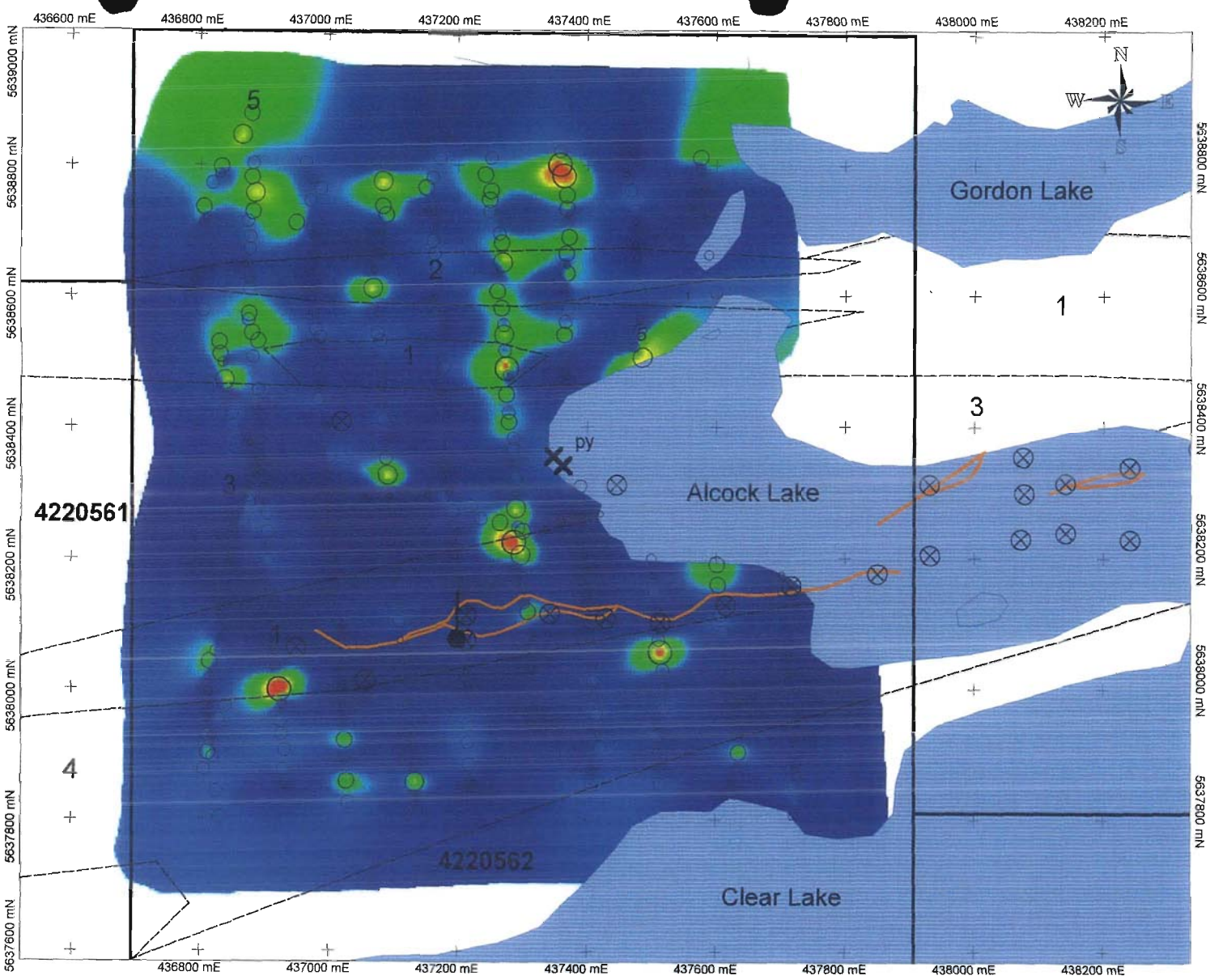
Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

5	Metamorphosed Felsic Plutonic Rocks
4	Supracrustal Inclusion-rich Felsic Plutonic Rocks
3	Metasedimentary gneiss, iron-formation
2	Felsic-Intermediate Metavolcanics
1	Mafic Metavolcanics, amphibolite

Precambrian Ventures Alcock Property MMI Survey 2008 - SbRR



SbRR

- to 12
- 8 to 10
- 6 to 8
- 4 to 6
- 2 to 4
- 1 to 2

12.00
10.00
8.00
6.00
4.00
2.00
1.00
Z-units:

Sb

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

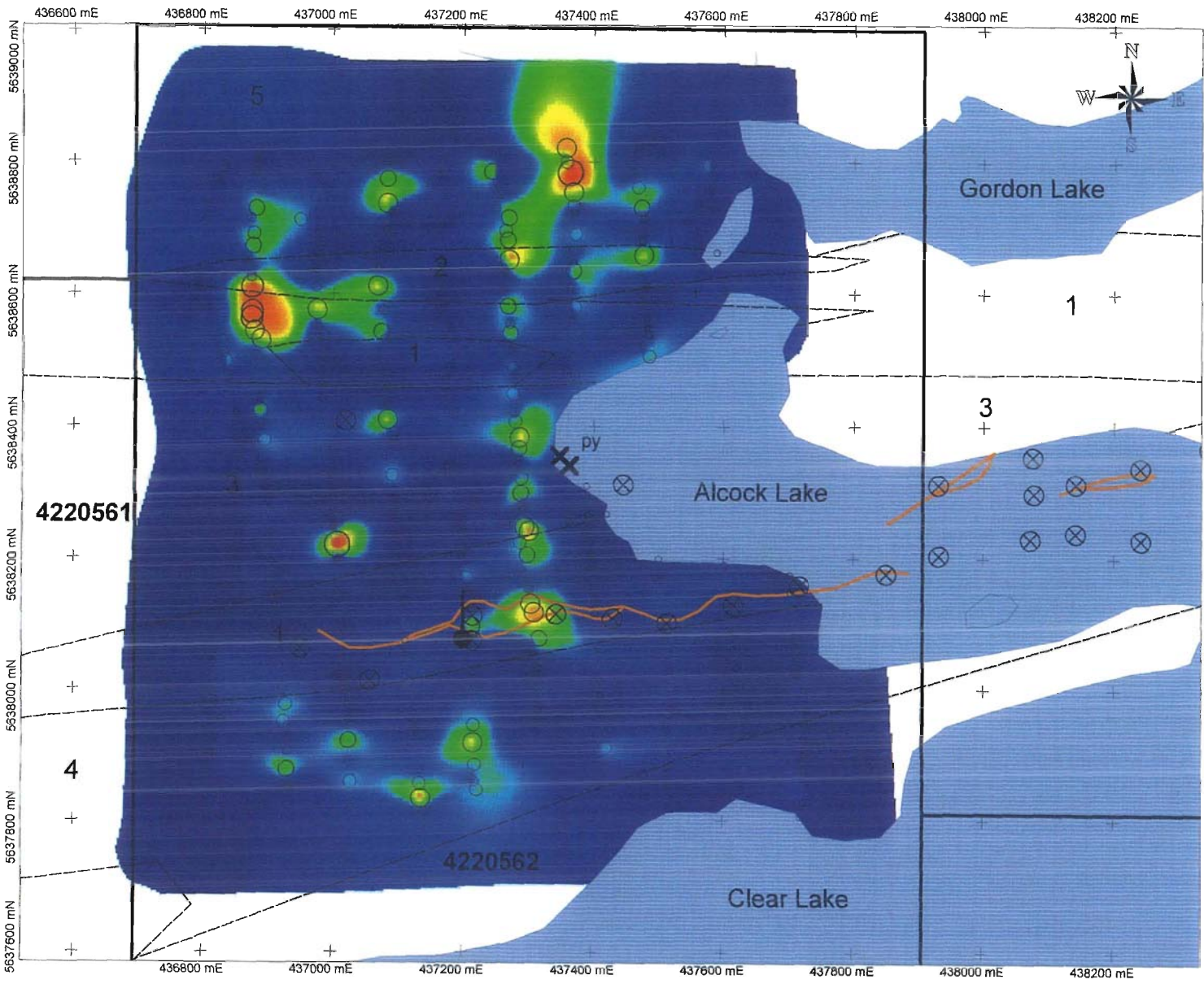
200 0 200 400 600
Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

5	Metamorphosed Felsic Plutonic Rocks
4	Supracrustal Inclusion-rich Felsic Plutonic Rocks
3	Metasedimentary gneiss, iron-formation
2	Felsic-Intermediate Metavolcanics
1	Mafic Metavolcanics, amphibolite

Precambrian Ventures Alcock Property MMEM Survey 2008 - WRR



WRR

- 15 to 18
- 12.5 to 15
- 10 to 12.5
- 7.5 to 10
- 5 to 7.5
- 2.5 to 5
- 1 to 2.5

18.00
15.00
12.50
10.00
7.50
5.00
2.50
1.00
Z-units:

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

Grandcru (2004)
- HLEM

Geology Contact

200 0 200 400 600
Meters

Plot Projection:
UTM Nad 83, Zone 15
Total Samples (n=368)

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba

5 Metamorphosed Felsic Plutonic Rocks
4 Supracrustal Inclusion-rich Felsic Plutonic Rocks
3 Metasedimentary gneiss, iron-formation
2 Felsic-Intermediate Metavolcanics
1 Mafic Metavolcanics, amphibolite

APPENDIX 2

2008 MMI Sample Location (UTM), Description, Analysis and Response Ratios (RR), Alcock Property

2008 MMI Sample Location(UTM), Description, Analysis and Response Ratio(RR)
Alcock Property, Red Lake

						METHOD	MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5		MMI-M5	
						DETECTION	1		10		0.1		5		10		1		1		20			
						UNITS	PPB		PPB		PPB		PPB		PPB		PPB		PPB		PPB			
Sample #	**Easting**	**Northing**	**Bush Type**	**Slope**	**Soil Type**	**Ag**	**AgRR**	**As**	**AsRR**	**Au**	**AuRR**	**Co**	**CoRR**	**Cu**	**CuRR**	**Sb**	**SbRR**	**W**	**WRR**	**Zn**	**ZnRR**		
A001	437140	5637813	jp	l	c	3	6	110	18	0.05	1	34	1	260	3	1	2	2	4	170	3		
DUP-A001	437140	5637813	jp	l	c	1	2	120	20	0.05	1	48	2	320	3	3	6	4	8	160	3		
A002	437136	5637833	jp	l	c	0.5	1	60	10	0.05	1	31	1	160	2	0.5	1	6	12	70	1		
A003	437134	5637856	jp	l	s	6	12	570	95	0.2	4	51	2	120	1	4	8	3	6	230	5		
A004	437131	5637877	jp	l	o	4	8	20	3	0.05	1	36	1	530	5	0.5	1	2	4	80	2		
A005	437122	5637916	jp	l	s	2	4	30	5	0.05	1	33	1	190	2	0.5	1	2	4	300	6		
A006	437127	5637938	jp	f	c	1	2	60	10	0.05	1	35	1	210	2	1	2	0.5	1	70	1		
A007	437122	5637975	jp	f	c	0.5	1	90	15	0.1	2	32	1	240	2	1	2	1	2	70	1		
A008	437118	5638010	jp	f	c	0.5	1	60	10	0.05	1	58	2	180	2	0.5	1	2	4	190	4		
A009	437116	5638043	jp	l	c	1	2	40	7	0.1	2	72	3	540	5	0.5	1	2	4	70	1		
A010	437112	5638074	jp	l	c	2	4	5	1	0.4	8	46	2	710	7	0.5	1	1	2	40	1		
A011	437110	5638102	jp	f	c	2	4	30	5	0.05	1	49	2	550	6	2	4	2	4	60	1		
A012	437110	5638135	jp	l	s	5	10	20	3	0.1	2	28	1	260	3	1	2	0.5	1	70	1		
A013	437103	5638170	jp/a	f	o	0.5	1	5	1	0.05	1	47	2	50	1	0.5	1	0.5	1	40	1		
DUP-A013	437103	5638170	jp/a	f	o	0.5	1	5	1	0.05	1	59	2	30	1	0.5	1	0.5	1	30	1		
A014	437102	5638204	jp	l	o	0.5	1	5	1	0.05	1	46	2	30	1	0.5	1	0.5	1	50	1		
A015	437099	5638233	jp	f	s	0.5	1	5	1	0.05	1	56	2	30	1	0.5	1	0.5	1	140	3		
A016	437099	5638264	jp	f	o	3	6	5	1	0.05	1	109	4	170	2	0.5	1	0.5	1	30	1		
A017	437094	5638293	jp	l	o	0.5	1	5	1	0.05	1	75	3	70	1	0.5	1	0.5	1	300	6		
A018	437091	5638325	jp	l	s	2	4	340	57	0.05	1	21	1	540	5	4	8	3	6	150	3		
A019	437088	5638351	jp	l	c	2	4	60	10	0.1	2	62	2	950	10	2	4	2	4	80	2		
A020	437092	5638381	jp	l	o	2	4	40	7	0.05	1	39	1	850	9	0.5	1	0.5	1	60	1		
A021	437084	5638409	jp	f	cs	0.5	1	70	12	0.05	1	47	2	420	4	2	4	5	10	140	3		
A022	437083	5638432	jp	l	c	4	8	20	3	0.2	4	75	3	930	9	1	2	0.5	1	50	1		
A023	437082	5638461	jp	l	o	2	4	70	12	0.05	1	43	2	200	2	1	2	0.5	1	140	3		
A024	437080	5638489	jp	l	o	1	2	90	15	0.2	4	31	1	2190	22	1	2	0.5	1	70	1		
A025	437079	5638531	jp	l	s	1	2	110	18	0.05	1	42	2	300	3	2	4	2	4	190	4		
DUP-A025	437079	5638531	jp	l	s	1	2	110	18	0.05	1	50	2	260	3	2	4	3	6	230	5		
A026	437074	5638542	jp	l	s	4	8	70	12	0.05	1	99	4	660	7	2	4	4	8	350	7		
A027	437076	5638575	jp	f	s	1	2	100	17	0.05	1	94	4	150	2	1	2	2	4	320	6		
A028	437068	5638611	jp	l	o	0.5	1	190	32	0.05	1	52	2	220	2	4	8	5	10	130	3		
A029	437069	5638639	jp/a	l	o	0.5	1	5	1	0.05	1	78	3	120	1	0.5	1	0.5	1	170	3		
A030	437074	5638669	jp	f	o	0.5	1	5	1	0.05	1	21	1	20	1	0.5	1	0.5	1	230	5		
A031	437080	5638696	jp	f	o	0.5	1	30	5	0.05	1	8	1	490	5	0.5	1	0.5	1	50	1		
A032	437088	5638723	jp	f	s	1	2	140	23	0.2	4	79	3	410	4	3	6	0.5	1	690	14		
A033	437083	5638736	jp	f	s	9	18	210	35	0.05	1	60	2	260	3	3	6	5	10	290	6		

A034	437083	5638774	jp	l	s	10	20	140	23	0.1	2	109	4	260	3	4	8	4	8	430	9
A035	437084	5638801	jp	l	o	3	6	30	5	0.1	2	18	1	560	6	1	2	0.5	1	300	6
A036	436882	5638802	jp	l	o	0.5	1	90	15	0.05	1	16	1	110	1	2	4	0.5	1	70	1
A037	436880	5638781	jp	l	o	1	2	130	22	0.2	4	141	5	250	3	3	6	0.5	1	1980	40
DUP-A037	436880	5638781	jp	l	o	0.5	1	70	12	0.3	6	64	2	330	3	3	6	0.5	1	2340	48
A038	436885	5638756	jp	l	s	8	16	90	15	0.2	4	40	2	240	2	4	8	2	4	210	4
A039	436881	5638728	jp	f	s	20	40	100	17	0.05	1	45	2	150	2	3	6	4	8	240	5
A040	436873	5638714	jp	f	s	9	18	40	7	0.05	1	41	2	340	3	2	4	2	4	140	3
A041	436877	5638690	jp	f	s	11	22	70	12	0.05	1	42	2	140	1	2	4	3	6	230	5
A042	436876	5638671	jp	f	s	2	4	60	10	0.05	1	74	3	350	4	2	4	4	8	140	3
A043	436869	5638647	jp	f	s	1	2	40	7	0.05	1	46	2	320	3	0.5	1	1	2	100	2
A044	436874	5638625	jp	f	o	0.5	1	130	22	0.05	1	44	2	390	4	1	2	2	4	50	1
A045	436875	5638610	jp	l	s	3	6	140	23	0.05	1	54	2	340	3	2	4	7	14	580	12
A046	436875	5638572	jp	l	s	0.5	1	240	40	0.05	1	60	2	500	5	3	6	7	14	250	5
A047	436874	5638563	jp	l	s	1	2	80	13	0.05	1	66	3	370	4	2	4	7	14	340	7
A048	436879	5638543	jp	l	s	2	4	220	37	0.05	1	34	1	1190	12	3	6	5	10	110	2
A049	436889	5638530	jp	l	s	12	24	160	27	0.05	1	55	2	320	3	3	6	5	10	420	9
DUP-A049	436889	5638530	jp	l	s	14	28	130	22	0.05	1	56	2	350	4	3	6	5	10	430	9
A050	436881	5638506	jp	l	o	2	4	100	17	0.1	2	118	5	380	4	2	4	2	4	1590	32
A051	436889	5638455	jp	l	s	2	4	70	12	0.1	2	37	1	410	4	2	4	2	4	300	6
A052	436887	5638438	jp	l	s	0.5	1	130	22	0.2	4	42	2	820	8	2	4	0.5	1	200	4
A053	436888	5638422	jp	l	o	2	4	30	5	0.2	4	145	6	830	8	0.5	1	4	8	140	3
A054	436890	5638402	jp	l	s	0.5	1	60	10	0.05	1	160	6	130	1	1	2	1	2	1370	28
A055	436894	5638378	jp	l	s	2	4	110	18	0.05	1	110	4	1130	11	1	2	3	6	280	6
A056	436893	5638352	jp	f	o	0.5	1	60	10	0.05	1	48	2	260	3	0.5	1	2	4	90	2
A057	436894	5638329	jp/a	f	o	1	2	5	1	0.05	1	62	2	1240	12	0.5	1	0.5	1	110	2
A058	436899	5638306	jp/a	f	s	1	2	60	10	0.05	1	287	11	910	9	1	2	0.5	1	200	4
A059	436901	5638284	jp	f	s	3	6	5	1	0.05	1	26	1	190	2	0.5	1	0.5	1	40	1
A060	436904	5638267	jp	f	s	6	12	80	13	0.1	2	56	2	200	2	2	4	2	4	150	3
A061	436905	5638238	jp	f	s	1	2	80	13	0.05	1	54	2	250	3	2	4	1	2	80	2
DUP-A061	436905	5638238	jp	f	s	1	2	30	5	0.05	1	51	2	2190	22	0.5	1	0.5	1	40	1
A062	436908	5638219	jp	f	s	1	2	30	5	0.05	1	44	2	520	5	1	2	1	2	40	1
A063	436906	5638194	jp	f	o	0.5	1	120	20	0.05	1	19	1	130	1	2	4	0.5	1	60	1
A064	436901	5638167	jp	f	o	0.5	1	5	1	0.05	1	44	2	2310	23	0.5	1	1	2	130	3
A065	436909	5638150	jp/a	f	o	5	10	70	12	0.1	2	54	2	560	6	1	2	0.5	1	280	6
A066	436911	5638128	jp	f	o	0.5	1	5	1	0.05	1	92	4	100	1	0.5	1	0.5	1	280	6
A067	436911	5638104	jp	f	o	0.5	1	5	1	0.05	1	68	3	110	1	0.5	1	0.5	1	90	2
A068	436914	5638081	jp/a	f	o	0.5	1	30	5	0.05	1	97	4	30	1	0.5	1	0.5	1	270	5
A069	436915	5638055	jp	f	o	0.5	1	30	5	0.05	1	61	2	2500	25	0.5	1	0.5	1	20	1
A070	436917	5638035	jp	f	s	3	6	110	18	0.05	1	59	2	510	5	1	2	2	4	230	5
A071	436923	5637998	jp	l	s	27	54	490	82	0.1	2	100	4	280	3	6	12	2	4	600	12
A072	436928	5637976	jp	l	s	2	4	60	10	0.05	1	29	1	380	4	1	2	3	6	170	3
A073	436925	5637950	jp	l	s	6	12	100	17	0.05	1	39	1	610	6	2	4	3	6	290	6

DUP-A073	436925	5637950	jp	f	s	4	8	90	15	0.1	2	48	2	710	7	2	4	2	4	290	6
A074	436927	5637930	jp	f	s	3	6	100	17	0.2	4	53	2	290	3	2	4	1	2	160	3
A075	436931	5637906	jp	f	s	12	24	60	10	0.1	2	56	2	290	3	2	4	2	4	130	3
A076	436930	5637876	jp	f	s	7	14	100	17	0.05	1	45	2	520	5	2	4	4	8	340	7
A077	436933	5637850	jp	f	s	1	2	60	10	0.05	1	50	2	1170	12	0.5	1	0.5	1	70	1
A020	437092	5638381	jp	f	o	3	6	80	13	0.1	2	92	4	90	1	0.5	1	0.5	1	480	10
A040	436873	5638714	jp	f	s	7	14	110	18	0.05	1	46	2	220	2	3	6	2	4	160	3
A060	436904	5638267	jp	f	s	14	28	290	49	0.05	1	91	3	250	3	4	8	3	6	310	6
B001	437316	5637968	jp	f	s	0.5	1	5	1	0.05	1	98	4	110	1	0.5	1	0.5	1	700	14
DUP-B001	437316	5637968	jp	f	s	0.5	1	5	1	0.05	1	96	4	110	1	0.5	1	0.5	1	590	12
B002	437317	5637992	jp	f	o	0.5	1	120	20	0.1	2	83	3	220	2	1	2	2	4	1260	26
B003	437313	5638019	a	f	o	0.5	1	5	1	0.05	1	143	5	990	10	0.5	1	0.5	1	170	3
B004	437315	5638031	a	f	o	3	6	5	1	0.05	1	197	8	500	5	0.5	1	0.5	1	560	11
B005	437307	5638055	jp	f	s	4	8	5	1	0.05	1	292	11	990	10	0.5	1	0.5	1	880	18
B006	437317	5638078	jp	f	sc	0.5	1	30	5	0.05	1	55	2	680	7	0.5	1	4	8	360	7
B007	437309	5638117	jp	f	s	0.5	1	290	49	0.05	1	34	1	220	2	3	6	6	12	710	14
B008	437304	5638130	jp	f	s	4	8	40	7	0.05	1	103	4	450	5	1	2	5	10	1610	33
B009	437301	5638154	jp	f	s	3	6	5	1	0.05	1	34	1	190	2	1	2	2	4	420	9
B010	437295	5638175	jp	f	s	3	6	20	3	0.05	1	41	2	500	5	0.5	1	2	4	160	3
B011	437298	5638204	jp	f	sc	0.5	1	250	42	0.05	1	72	3	700	7	4	8	4	8	660	13
B012	437287	5638223	jp	f	s	18	36	180	30	0.1	2	76	3	200	2	5	10	3	6	490	10
B013	437294	5638246	jp	f	c	0.5	1	30	5	0.05	1	65	2	370	4	2	4	5	10	510	10
DUP-B013	437294	5638246	jp	f	c	0.5	1	60	10	0.05	1	69	3	400	4	2	4	6	12	380	8
B014	437290	5638275	jp	f	s	1	2	90	15	0.05	1	45	2	380	4	4	8	0.5	1	290	6
B015	437288	5638298	jp	f	s	0.5	1	50	8	0.05	1	65	2	880	9	0.5	1	4	8	660	13
B016	437289	5638320	jp	f	s	2	4	50	8	0.1	2	43	2	360	4	2	4	3	6	300	6
B017	437284	5638344	jp	f	s	0.5	1	5	1	0.05	1	2.5	1	40	1	0.5	1	0.5	1	50	1
B018	437285	5638366	jp	f	sc	6	12	60	10	0.05	1	51	2	450	5	2	4	4	8	480	10
B019	437286	5638382	jp	f	s	4	8	80	13	0.05	1	65	2	240	2	2	4	5	10	380	8
B020	437279	5638407	jp	f	s	0.5	1	120	20	0.05	1	23	1	560	6	3	6	3	6	170	3
B021	437278	5638421	jp	f	s	5	10	5	1	0.2	4	32	1	1440	14	2	4	2	4	150	3
B022	437275	5638449	s	f	s	0.5	1	100	17	0.05	1	58	2	1130	11	3	6	3	6	280	6
B023	437277	5638479	s	f	s	5	10	5	1	0.05	1	16	1	630	6	1	2	0.5	1	240	5
B024	437275	5638488	jp	f	s	1	2	220	37	0.3	6	79	3	810	8	5	10	3	6	500	10
B025	437272	5638516	jp	f	s	3	6	5	1	0.3	6	36	1	420	4	2	4	0.5	1	120	2
DUP-B025	437272	5638516	jp	f	s	3	6	5	1	0.05	1	19	1	400	4	1	2	0.5	1	160	3
B026	437271	5638540	jp	f	s	4	8	60	10	0.1	2	34	1	1110	11	4	8	4	8	510	10
B027	437270	5638555	jp	f	s	3	6	130	22	0.2	4	209	8	940	9	2	4	2	4	1610	33
B028	437267	5638581	o/c	f	o	1	2	130	22	0.6	12	36	1	1390	14	3	6	4	8	230	5
B029	437261	5638607	o/c	f	o	2	4	20	3	0.1	2	16	1	1280	13	3	6	1	2	90	2
B030	437263	5638634	b	f	o	2	4	5	1	0.05	1	40	2	390	4	0.5	1	0.5	1	6020	122
B031	437269	5638651	jp	f	s	7	14	360	60	0.1	2	93	4	490	5	4	8	6	12	960	19
B032	437267	5638681	jp	f	s	3	6	200	33	0.05	1	135	5	750	8	3	6	4	8	420	9

B033	437263	5638695	jp	f	s	15	30	50	8	0.05	1	82	3	640	6	2	4	3	6	430	9
B034	437268	5638715	jp	f	s	0.5	1	130	22	0.05	1	43	2	130	1	1	2	4	8	530	11
B035	437248	5638729	jp	f	s	7	14	60	10	0.05	1	79	3	270	3	2	4	2	4	790	16
B036	437249	5638746	jp	f	s	5	10	130	22	0.1	2	36	1	170	2	3	6	2	4	360	7
B037	437251	5638760	jp	l	s	2	4	130	22	0.2	4	27	1	610	6	3	6	0.5	1	340	7
DUP-B037	437251	5638760	jp	l	s	2	4	160	27	0.2	4	30	1	620	6	3	6	1	2	410	8
B038	437242	5638785	sp	l	o	0.5	1	150	25	0.05	1	38	1	130	1	3	6	4	8	620	13
B039	437251	5638811	jp	l	s	2	4	50	8	0.05	1	23	1	1120	11	2	4	0.5	1	130	3
B040	437357	5638821	o/c	l	o	0.5	1	60	10	0.05	1	44	2	410	4	2	4	6	12	550	11
B041	437357	5638800	jp	l	s	11	22	200	33	0.1	2	52	2	210	2	5	10	3	6	530	11
B042	437363	5638783	jp	l	s	11	22	320	54	0.05	1	82	3	340	3	5	10	9	18	750	15
B043	437368	5638754	jp	f	s	3	6	190	32	0.05	1	54	2	590	6	3	6	5	10	550	11
B044	437368	5638733	jp	f	s	9	18	400	67	0.4	8	107	4	140	1	3	6	3	6	1140	23
B045	437369	5638723	sp	f	o	5	10	5	1	0.05	1	113	4	380	4	0.5	1	0.5	1	850	17
B046	437371	5638690	jp	f	s	6	12	230	39	0.2	4	203	8	640	6	3	6	3	6	890	18
B047	437367	5638665	jp	l	o	1	2	90	15	0.2	4	27	1	1010	10	3	6	2	4	720	15
B048	437367	5638647	jp	l	s	3	6	5	1	0.05	1	21	1	270	3	0.5	1	0.5	1	50	1
B049	437368	5638635	jp	f	s	4	8	90	15	0.1	2	71	3	500	5	3	6	4	8	240	5
DUP-B049	437368	5638635	jp	f	s	4	8	100	17	0.05	1	70	3	570	6	5	10	3	6	230	5
B050	437363	5638609	jp	f	s	4	8	5	1	0.05	1	31	1	610	6	0.5	1	0.5	1	90	2
B051	437370	5638580	jp	l	o	2	4	130	22	0.1	2	60	2	2390	24	2	4	3	6	140	3
B052	437365	5638560	jp	l	s	0.5	1	10	2	0.05	1	26	1	1000	10	2	4	0.5	1	50	1
B053	437364	5638540	jp	f	o	2	4	50	8	0.05	1	27	1	2520	25	3	6	2	4	180	4
B054	437366	5638508	jp	l	c	0.5	1	60	10	0.1	2	20	1	980	10	1	2	1	2	130	3
B055	437357	5638484	sp	l	c	6	12	5	1	0.05	1	16	1	580	6	0.5	1	0.5	1	40	1
B056	437370	5638477	sp	l	s	1	2	5	1	0.05	1	55	2	290	3	0.5	1	2	4	60	1
B057	437485	5638506	jp	f	s	2	4	170	28	0.05	1	62	2	300	3	4	8	3	6	210	4
B058	437473	5638522	jp	f	o	4	8	40	7	0.05	1	41	2	230	2	1	2	0.5	1	260	5
B059	437481	5638549	jp	l	s	2	4	30	5	0.2	4	53	2	3030	30	2	4	0.5	1	80	2
B060	437481	5638562	jp	l	s	2	4	5	1	0.05	1	17	1	330	3	0.5	1	0.5	1	70	1
B061	437480	5638610	jp	f	c	11	22	5	1	0.1	2	54	2	450	5	2	4	0.5	1	60	1
DUP-B061	437480	5638610	jp	f	c	12	24	5	1	0.05	1	52	2	440	4	1	2	0.5	1	40	1
B062	437476	5638658	jp	l	o	2	4	20	3	0.05	1	54	2	370	4	0.5	1	5	10	230	5
B063	437474	5638679	sp	l	o	13	26	5	1	0.05	1	129	5	680	7	0.5	1	0.5	1	540	11
B064	437475	5638713	jp	l	s	1	2	5	1	0.05	1	114	4	2110	21	0.5	1	0.5	1	640	13
B065	437473	5638730	jp	f	s	7	14	50	8	0.05	1	46	2	190	2	2	4	4	8	90	2
B066	437467	5638761	jp	f	s	6	12	230	39	0.05	1	71	3	140	1	2	4	3	6	570	12
B067	437461	5638786	jp	f	s	10	20	40	7	0.05	1	27	1	110	1	0.5	1	0.5	1	410	8
B068	437468	5638822	jp	f	s	0.5	1	40	7	0.05	1	65	2	220	2	0.5	1	0.5	1	2950	60
B069	437575	5638812	jp	f	s	16	32	150	25	0.2	4	32	1	160	2	3	6	1	2	580	12
B070	437576	5638795	jp	l	s	2	4	130	22	0.05	1	91	3	220	2	1	2	3	6	920	19
B071	437580	5638764	a	l	o	3	6	20	3	0.05	1	100	4	1050	11	0.5	1	0.5	1	50	1
B072	437586	5638726	a	f	o	0.5	1	5	1	0.05	1	36	1	50	1	0.5	1	0.5	1	550	11

B073	437588	5638663	a	f	o	0.5	1	5	1	0.05	1	49	2	380	4	1	2	0.5	1	420	9
DUP-B073	437588	5638663	a	f	o	0.5	1	5	1	0.05	1	47	2	440	4	0.5	1	0.5	1	310	6
B074	437599	5638606	a	f	o	4	8	50	8	0.05	1	95	4	260	3	2	4	1	2	60	1
B020	437279	5638407	jp	f	s	0.5	1	130	22	0.05	1	29	1	840	8	2	4	1	2	310	6
[illegible]	437357	5638821	o/c	l	o	0.5	1	10	2	0.1	2	30	1	610	6	0.5	1	0.5	1	60	1
B080	437481	5638562	jp	f	s	3	6	50	8	0.05	1	33	1	530	5	3	6	4	8	200	4
C001	437221	5637846	jp	f	c	2	4	10	2	0.05	1	32	1	310	3	0.5	1	3	6	160	3
DUP-C001	437221	5637846	jp	f	c	2	4	10	2	0.05	1	29	1	270	3	0.5	1	2	4	160	3
C002	437218	5637859	jp	f	c	5	10	30	5	0.05	1	53	2	410	4	0.5	1	2	4	210	4
C003	437218	5637884	jp	f	c	1	2	220	37	0.05	1	62	2	350	4	2	4	3	6	130	3
C004	437216	5637918	jp	f	c	1	2	180	30	0.05	1	57	2	350	4	2	4	5	10	170	3
C005	437216	5637945	jp	f	c	2	4	100	17	0.05	1	48	2	640	6	2	4	3	6	120	2
C006	437217	5637998	jp	f	c	3	6	30	5	0.05	1	64	2	530	5	0.5	1	2	4	130	3
C007	437215	5638007	jp	f	o	4	8	5	1	0.05	1	93	4	4740	48	0.5	1	0.5	1	110	2
C008	437213	5638025	jp	f	cs	4	8	5	1	0.05	1	60	2	1710	17	0.5	1	1	2	150	3
C009	437215	5638061	jp	f	cs	6	12	30	5	0.05	1	53	2	340	3	1	2	1	2	150	3
C010	437212	5638082	jp	f	c	5	10	60	10	0.05	1	69	3	310	3	2	4	0.5	1	160	3
C011	437212	5638096	jp	f	c	1	2	120	20	0.05	1	27	1	200	2	1	2	5	10	230	5
C012	437210	5638121	jp	f	s	5	10	30	5	0.05	1	29	1	160	2	0.5	1	0.5	1	100	2
C013	437207	5638151	jp	f	s	0.5	1	10	2	0.05	1	15	1	200	2	0.5	1	0.5	1	230	5
DUP-C013	437207	5638151	jp	f	s	1	2	10	2	0.05	1	19	1	260	3	0.5	1	0.5	1	160	3
C014	437205	5638170	jp	f	c	1	2	60	10	0.05	1	39	1	380	4	0.5	1	3	6	200	4
C015	437196	5638202	sp	f	s	4	8	20	3	0.05	1	62	2	280	3	0.5	1	0.5	1	380	8
C016	437193	5638223	sp	f	s	1	2	80	13	0.05	1	43	2	230	2	0.5	1	1	2	760	15
C017	437200	5638240	sp	f	s	1	2	20	3	0.05	1	52	2	420	4	0.5	1	0.5	1	80	2
C018	437195	5638250	sp	f	s	1	2	60	10	0.05	1	55	2	480	5	1	2	0.5	1	90	2
C019	437191	5638270	sp	f	s	2	4	70	12	0.05	1	28	1	510	5	2	4	0.5	1	160	3
C020	437188	5638301	sp	f	c	2	4	30	5	0.05	1	55	2	670	7	0.5	1	1	2	210	4
C021	437184	5638325	sp	f	o	1	2	5	1	0.05	1	68	3	130	1	0.5	1	0.5	1	280	6
C022	437180	5638345	sp	f	s	2	4	20	3	0.05	1	77	3	1280	13	0.5	1	0.5	1	190	4
C023	437186	5638375	sp	f	o	3	6	60	10	0.3	6	37	1	2760	28	1	2	2	4	120	2
C024	437184	5638418	sp	l	s	4	8	80	13	0.05	1	195	7	680	7	0.5	1	2	4	580	12
C025	437175	5638451	sp	l	o	3	6	50	8	0.05	1	124	5	1870	19	0.5	1	1	2	240	5
DUP-C025	437175	5638451	sp	l	o	4	8	30	5	0.05	1	151	6	2780	28	0.5	1	0.5	1	240	5
C026	437172	5638472	sp	l	s	3	6	80	13	0.3	6	56	2	1740	17	1	2	0.5	1	100	2
C027	437178	5638491	sp	l	o	1	2	40	7	0.05	1	75	3	1630	16	2	4	0.5	1	50	1
C028	437175	5638502	sp	h	s	2	4	130	22	0.05	1	11	1	220	2	1	2	2	4	410	8
C029	437177	5638552	sp	h	o	0.5	1	100	17	0.1	2	56	2	1570	16	0.5	1	0.5	1	130	3
C030	437164	5638574	sp	h	s	1	2	50	8	0.05	1	96	4	4070	41	1	2	0.5	1	70	1
C031	437163	5638597	sp	h	o	1	2	80	13	0.05	1	20	1	1120	11	0.5	1	0.5	1	110	2
C032	437166	5638643	sp	h	s	2	4	100	17	0.1	2	58	2	900	9	2	4	0.5	1	280	6
C033	437163	5638664	m	l	s	2	4	110	18	0.05	1	31	1	130	1	2	4	2	4	210	4
C034	437160	5638684	sp	l	s	1	2	80	13	0.05	1	81	3	240	2	2	4	0.5	1	240	5

C035	437164	5638703	m	l	o	2	4	20	3	0.05	1	132	5	140	1	0.5	1	0.5	1	500	10
C036	437153	5638730	sp	f	s	5	10	30	5	0.05	1	64	2	290	3	0.5	1	1	2	160	3
C037	437150	5638765	sp	f	s	4	8	270	45	0.05	1	94	4	180	2	3	6	2	4	740	15
DUP-C037	437150	5638765	sp	f	s	5	10	210	35	0.05	1	95	4	200	2	3	6	2	4	670	14
C038	437160	5638780	sp	l	s	5	10	70	12	0.05	1	135	5	740	7	2	4	0.5	1	180	4
C039	437171	5638810	sp	l	s	3	6	170	28	0.05	1	43	2	180	2	2	4	1	2	560	11
C040	437180	5638840	sp	l	o	0.5	1	10	2	0.05	1	20	1	40	1	0.5	1	0.5	1	50	1
C041	436963	5638803	sp	l	s	2	4	160	27	0.05	1	78	3	100	1	2	4	1	2	590	12
C042	436974	5638777	sp	f	s	3	6	50	8	0.05	1	168	6	990	10	1	2	0.5	1	460	9
C043	436986	5638763	sp	f	s	4	8	150	25	0.2	4	252	10	1030	10	2	4	1	2	850	17
C044	436971	5638745	sp	f	s	3	6	140	23	0.05	1	93	4	400	4	2	4	2	4	230	5
C045	436949	5638711	sp	f	s	6	12	180	30	0.05	1	48	2	180	2	3	6	3	6	260	5
C046	436975	5638691	sp	f	o	7	14	5	1	0.05	1	17	1	270	3	0.5	1	0.5	1	70	1
C047	436977	5638660	a	f	o	1	2	5	1	0.05	1	92	4	330	3	0.5	1	0.5	1	240	5
C048	436973	5638635	a	f	s	2	4	20	3	0.05	1	72	3	960	10	0.5	1	0.5	1	40	1
C049	436973	5638610	sp	f	s	2	4	120	20	0.05	1	65	2	760	8	0.5	1	2	4	200	4
DUP-C049	436973	5638610	sp	f	s	2	4	90	15	0.05	1	73	3	490	5	1	2	2	4	240	5
C050	436975	5638575	sp	f	c	2	4	100	17	0.05	1	75	3	350	4	1	2	5	10	310	6
C051	436978	5638548	sp	f	s	3	6	140	23	0.05	1	65	2	280	3	2	4	1	2	990	20
C052	436986	5638536	sp	f	s	1	2	130	22	0.05	1	90	3	190	2	2	4	2	4	490	10
C053	436985	5638515	sp	f	c	1	2	40	7	0.05	1	21	1	540	5	0.5	1	0.5	1	70	1
C054	436982	5638486	sp	f	o	1	2	100	17	0.05	1	23	1	450	5	1	2	0.5	1	120	2
C055	436984	5638462	sp	f	s	2	4	30	5	0.05	1	37	1	120	1	0.5	1	0.5	1	230	5
C056	436983	5638441	sp	f	s	4	8	180	30	0.05	1	142	5	1460	15	2	4	1	2	690	14
C057	436994	5638401	sp	f	c	3	6	30	5	0.05	1	32	1	1210	12	0.5	1	2	4	120	2
C058	436988	5638363	sp	f	c	3	6	60	10	0.05	1	35	1	390	4	1	2	2	4	140	3
C059	437000	5638353	sp	f	s	2	4	110	18	0.05	1	98	4	270	3	2	4	1	2	1490	30
C060	436998	5638324	sp	f	s	7	14	5	1	0.05	1	128	5	1450	15	0.5	1	0.5	1	120	2
C061	437003	5638299	sp	f	o	2	4	5	1	0.05	1	108	4	310	3	0.5	1	0.5	1	310	6
DUP-C061	437003	5638299	sp	f	o	1	2	5	1	0.05	1	108	4	260	3	0.5	1	0.5	1	300	6
C062	437000	5638273	sp	f	o	0.5	1	5	1	0.05	1	91	3	140	1	0.5	1	0.5	1	300	6
C063	437001	5638248	sp	f	o	0.5	1	10	2	0.05	1	67	2	20	1	0.5	1	0.5	1	170	3
C064	437007	5638219	sp	f	o	0.5	1	10	2	0.05	1	63	2	70	1	0.5	1	8	16	210	4
C065	437008	5638196	sp	f	o	0.5	1	5	1	0.05	1	115	4	90	1	0.5	1	1	2	160	3
C066	437006	5638173	sp	f	c	1	2	30	5	0.05	1	30	1	300	3	0.5	1	2	4	150	3
C067	437006	5638149	sp	f	c	7	14	5	1	0.4	8	8	1	450	5	0.5	1	0.5	1	40	1
C068	437005	5638130	sp	f	c	7	14	5	1	0.1	2	103	4	1890	19	0.5	1	0.5	1	60	1
C069	437013	5638103	sp	f	c	1	2	110	18	0.05	1	91	3	430	4	1	2	1	2	280	6
C070	437016	5638091	sp	f	s	0.5	1	40	7	0.05	1	43	2	230	2	0.5	1	0.5	1	570	12
C071	437014	5638060	sp	f	o	3	6	5	1	0.05	1	87	3	1280	13	0.5	1	1	2	190	4
C072	437015	5638030	sp	f	o	0.5	1	5	1	0.05	1	46	2	110	1	0.5	1	0.5	1	120	2
C073	437020	5638007	sp	f	o	2	4	5	1	0.05	1	55	2	270	3	0.5	1	0.5	1	150	3
DUP-C073	437020	5638007	sp	f	o	0.5	1	5	1	0.05	1	80	3	370	4	0.5	1	0.5	1	200	4

C074	437022	5637975	sp	f	o	2	4	40	7	0.05	1	70	3	720	7	0.5	1	1	2	190	4
C075	437024	5637953	sp	f	o	1	2	60	10	0.05	1	36	1	1390	14	0.5	1	0.5	1	60	1
C076	437025	5637921	sp	f	c	2	4	360	60	0.05	1	35	1	260	3	3	6	4	8	80	2
C077	437026	5637889	sp	f	c	3	6	100	17	0.05	1	57	2	470	5	0.5	1	2	4	170	3
C078	437028	5637858	sp	f	s	2	4	210	35	0.05	1	48	2	290	3	3	6	3	6	330	7
C079	437030	5637826	sp	f	s	3	6	120	20	0.05	1	58	2	340	3	2	4	2	4	720	15
C080	436806	5637876	sp	l	s	3	6	140	23	0.1	2	60	2	700	7	2	4	0.5	1	470	10
C081	436812	5637902	sp	l	s	4	8	100	17	0.2	4	65	2	950	10	3	6	0.5	1	230	5
C082	436815	5637918	sp	l	s	4	8	130	22	0.1	2	54	2	4760	48	1	2	0.5	1	130	3
C083	436819	5637928	sp	l	s	2	4	110	18	0.1	2	56	2	1830	18	1	2	0.5	1	270	5
C084	436828	5637953	sp	l	s	5	10	100	17	0.05	1	152	6	630	6	2	4	1	2	1590	32
C085	436839	5637973	m	l	s	3	6	220	37	0.1	2	37	1	400	4	2	4	2	4	230	5
DUP-C085	436839	5637973	m	l	s	3	6	270	45	0.1	2	42	2	470	5	3	6	2	4	300	6
C020	437188	5638301	sp	f	c	2	4	20	3	0.05	1	36	1	990	10	0.5	1	0.5	1	180	4
C040	437180	5638840	sp	l	o	0.5	1	60	10	0.05	1	17	1	210	2	0.5	1	0.5	1	70	1
C060	436998	5638324	sp	f	s	4	8	80	13	0.05	1	65	2	580	6	0.5	1	2	4	160	3
C080	436806	5637876	sp	l	s	2	4	70	12	0.2	4	66	3	1070	11	2	4	1	2	380	8
D001	437407	5637851	sp	f	s	2	4	80	13	0.1	2	84	3	1010	10	2	4	1	2	40	1
DUP-D001	437407	5637851	sp	f	s	2	4	90	15	0.1	2	95	4	890	9	2	4	1	2	40	1
D002	437407	5637875	sp	f	s	1	2	100	17	0.05	1	52	2	440	4	1	2	1	2	40	1
D003	437419	5637911	sp	f	s	3	6	50	8	0.1	2	24	1	480	5	2	4	3	6	110	2
D004	437417	5637932	sp	f	s	3	6	130	22	0.05	1	28	1	310	3	0.5	1	1	2	150	3
D005	437414	5637960	sp	f	s	9	18	5	1	0.1	2	33	1	430	4	2	4	0.5	1	40	1
D006	437411	5637990	sp	f	s	2	4	40	7	0.05	1	13	1	110	1	1	2	0.5	1	130	3
D007	437410	5638012	sp	f	s	1	2	170	28	0.1	2	35	1	220	2	2	4	1	2	200	4
D008	437409	5638037	sp	f	c	7	14	40	7	0.1	2	44	2	530	5	1	2	2	4	100	2
D009	437410	5638062	sp	f	c	4	8	70	12	0.1	2	55	2	390	4	1	2	2	4	130	3
D010	437405	5638089	sp	f	s	5	10	30	5	0.1	2	69	3	560	6	0.5	1	2	4	200	4
D011	437402	5638116	sp	f	o	2	4	70	12	0.2	4	472	18	2720	27	0.5	1	1	2	790	16
D012	437401	5638138	m	f	c	8	16	30	5	0.4	8	305	12	3240	32	0.5	1	1	2	440	9
D013	437400	5638157	m	f	o	3	6	10	2	0.2	4	309	12	690	7	0.5	1	0.5	1	270	5
DUP-D013	437400	5638157	m	f	o	3	6	10	2	0.2	4	344	13	490	5	0.5	1	0.5	1	320	6
D014	437398	5638182	m	f	c	5	10	5	1	0.1	2	400	15	2670	27	0.5	1	0.5	1	110	2
D015	437396	5638205	m	f	o	8	16	5	1	0.1	2	226	9	1450	15	0.5	1	0.5	1	390	8
D016	437394	5638227	a	f	o	3	6	5	1	0.05	1	76	3	820	8	0.5	1	0.5	1	350	7
D017	437391	5638254	a	f	s	5	10	5	1	0.1	2	212	8	2580	26	0.5	1	0.5	1	120	2
D018	437390	5638264	sp	f	s	2	4	30	5	0.1	2	104	4	1690	17	0.5	1	0.5	1	150	3
D019	437388	5638290	sp	f	c	3	6	10	2	0.05	1	57	2	260	3	1	2	1	2	70	1
D020	437389	5638309	sp	f	s	3	6	20	3	0.1	2	21	1	260	3	2	4	0.5	1	40	1
D021	437500	5638199	sp	f	s	0.5	1	90	15	0.1	2	57	2	200	2	1	2	0.5	1	60	1
D022	437502	5638173	sp	f	s	1	2	20	3	0.05	1	25	1	390	4	0.5	1	0.5	1	50	1
D023	437504	5638148	a	f	s	2	4	40	7	0.1	2	55	2	330	3	2	4	2	4	100	2
D024	437510	5638121	m	f	c	2	4	30	5	0.05	1	47	2	320	3	0.5	1	2	4	70	1

D025	437512	5638098	m	f	s	3	6	40	7	0.05	1	59	2	170	2	0.5	1	1	2	190	4
DUP-D025	437512	5638098	m	f	s	3	6	30	5	0.05	1	74	3	180	2	0.5	1	1	2	140	3
D026	437511	5638075	m	f	o	3	6	130	22	0.05	1	118	5	2810	28	2	4	0.5	1	60	1
D027	437513	5638056	sp	f	o	2	4	380	64	0.3	6	165	6	1620	16	5	10	2	4	850	17
D028	437517	5638029	m	f	s	2	4	30	5	0.1	2	74	3	540	5	2	4	0.5	1	70	1
D029	437519	5638003	m	f	s	3	6	130	22	0.05	1	41	2	140	1	1	2	2	4	160	3
D030	437519	5637970	m	f	s	2	4	20	3	0.1	2	39	1	1190	12	2	4	0.5	1	10	1
D031	437512	5637947	m	f	s	6	12	60	10	0.1	2	38	1	170	2	1	2	1	2	190	4
D032	437508	5637928	m	f	s	4	8	70	12	0.05	1	76	3	260	3	2	4	2	4	80	2
D033	437510	5637904	sp	f	c	4	8	80	13	0.05	1	131	5	360	4	1	2	2	4	260	5
D034	437514	5637881	sp	f	c	6	12	50	8	0.1	2	89	3	240	2	1	2	1	2	320	6
D035	437514	5637854	m	f	s	3	6	40	7	0.1	2	36	1	80	1	2	4	0.5	1	400	8
D036	437616	5637835	m	f	o	0.5	1	30	5	0.05	1	130	5	3870	39	0.5	1	0.5	1	240	5
D037	437625	5637857	m	f	o	1	2	30	5	0.05	1	66	3	640	6	0.5	1	0.5	1	150	3
DUP-D037	437625	5637857	m	f	o	2	4	20	3	0.05	1	58	2	760	8	0.5	1	0.5	1	170	3
D038	437632	5637879	m	f	c	12	24	40	7	0.1	2	169	6	1040	10	1	2	2	4	160	3
D039	437635	5637903	m	f	s	6	12	80	13	0.2	4	108	4	100	1	3	6	1	2	130	3
D040	437637	5637930	m	f	s	3	6	5	1	0.1	2	259	10	300	3	0.5	1	0.5	1	90	2
D041	437632	5637953	m	f	s	9	18	20	3	0.05	1	56	2	60	1	0.5	1	0.5	1	40	1
D042	437634	5637979	m	f	s	1	2	30	5	0.05	1	11	1	290	3	0.5	1	0.5	1	10	1
D043	437626	5638007	m	f	s	2	4	40	7	0.05	1	45	2	140	1	0.5	1	0.5	1	160	3
D044	437620	5638032	m	f	s	2	4	90	15	0.05	1	105	4	110	1	1	2	0.5	1	240	5
D045	437615	5638061	m	f	s	0.5	1	20	3	0.05	1	20	1	50	1	0.5	1	0.5	1	280	6
D046	437611	5638087	m	f	s	3	6	140	23	0.2	4	49	2	770	8	2	4	0.5	1	80	2
D047	437606	5638112	m	f	s	4	8	60	10	0.05	1	40	2	170	2	2	4	1	2	180	4
D048	437605	5638132	sp	f	s	2	4	70	12	0.05	1	39	1	90	1	0.5	1	0.5	1	910	18
D049	437603	5638159	jp	f	s	8	16	230	39	0.2	4	99	4	160	2	3	6	2	4	140	3
DUP-D049	437603	5638159	jp	f	s	7	14	190	32	0.1	2	76	3	160	2	2	4	1	2	140	3
D050	437601	5638190	a	f	s	3	6	180	30	0.1	2	70	3	350	4	3	6	1	2	50	1
D051	437701	5638175	m	f	c	0.5	1	120	20	0.05	1	72	3	360	4	0.5	1	0.5	1	30	1
D052	437703	5638149	m	f	c	3	6	20	3	0.1	2	52	2	120	1	1	2	0.5	1	100	2
D053	437705	5638123	m	f	c	2	4	120	20	0.05	1	30	1	280	3	1	2	2	4	130	3
D054	437706	5638102	m	f	c	3	6	220	37	0.05	1	23	1	110	1	1	2	1	2	130	3
D055	437710	5638075	m	f	s	7	14	60	10	0.05	1	11	1	110	1	0.5	1	0.5	1	120	2
D056	437713	5638048	m	f	s	2	4	70	12	0.05	1	30	1	50	1	0.5	1	0.5	1	160	3
D057	437714	5638023	m	f	c	5	10	20	3	0.05	1	80	3	230	2	0.5	1	0.5	1	100	2
D058	437724	5637999	m	f	c	3	6	5	1	0.1	2	22	1	150	2	0.5	1	1	2	40	1
D059	437728	5637969	m	f	c	1	2	5	1	0.1	2	23	1	180	2	0.5	1	0.5	1	20	1
D060	437726	5637948	m	f	c	2	4	5	1	0.1	2	32	1	340	3	0.5	1	0.5	1	20	1
D061	437723	5637924	m	f	c	0.5	1	70	12	0.1	2	71	3	950	10	0.5	1	1	2	80	2
DUP-D061	437723	5637924	m	f	c	2	4	90	15	0.1	2	83	3	1000	10	2	4	3	6	120	2
D062	437724	5637901	m	f	s	1	2	120	20	0.05	1	102	4	150	2	1	2	0.5	1	100	2
D063	437725	5637877	a	f	s	1	2	5	1	0.05	1	226	9	80	1	0.5	1	0.5	1	190	4

D064	437723	5637852	m	f	o	1	2	260	44	0.1	2	150	6	1150	12	2	4	2	4	80	2
D065	437724	5637827	m	f	c	10	20	30	5	0.05	1	24	1	120	1	2	4	0.5	1	30	1
D066	437719	5637806	m	f	s	2	4	5	1	0.1	2	387	15	3450	35	0.5	1	0.5	1	40	1
XD020	437389	5638309	sp	f	s	3	6	5	1	0.05	1	35	1	590	6	0.5	1	0.5	1	40	1
XD040	437637	5637930	m	f	s	3	6	10	2	0.2	4	410	16	490	5	0.5	1	1	2	60	1
XD060	437726	5637948	m	f	c	2	4	10	2	0.2	4	67	3	780	8	0.5	1	0.5	1	20	1
M5001	436830	5637802	jp	f	o	1	2	60	10	0.2	4	158	6	840	8	2	4	0.5	1	380	8
DUP-M5001	436830	5637802	jp	f	o	1	2	60	10	0.2	4	147	6	880	9	2	4	0.5	1	370	8
M5002	436825	5637842	jp	f	slt	0.5	1	40	7	0.2	4	78	3	270	3	2	4	0.5	1	320	6
M5003	436820	5637895	jp	l	slt	0.5	1	70	12	0.1	2	151	6	530	5	2	4	1	2	1070	22
M5004	436811	5637928	jp	l	o	0.5	1	50	8	0.05	1	81	3	100	1	2	4	0.5	1	600	12
M5005	436811	5637953	jp	m	o/c	0.5	1	20	3	0.05	1	104	4	450	5	0.5	1	0.5	1	840	17
M5006	436816	5637971	jp	l	o	0.5	1	10	2	0.05	1	139	5	130	1	0.5	1	0.5	1	320	6
M5007	436815	5637994	jp	l	slt	0.5	1	30	5	0.05	1	97	4	130	1	0.5	1	0.5	1	110	2
M5008	436813	5637995	jp	l	slt	3	6	40	7	0.05	1	43	2	280	3	1	2	2	4	120	2
M5009	436815	5638017	jp	f	slt	2	4	80	13	0.2	4	31	1	750	8	1	2	2	4	140	3
M5010	436815	5638041	jp	l	slt	2	4	70	12	0.2	4	135	5	480	5	3	6	0.5	1	410	8
M5011	436826	5638056	jp	l	slt	2	4	60	10	0.05	1	36	1	330	3	2	4	2	4	140	3
M5012	436832	5638078	jp	f	s	3	6	5	1	0.05	1	96	4	450	5	0.5	1	0.5	1	40	1
M5013	436830	5638115	jp	f	o	0.5	1	5	1	0.05	1	19	1	320	3	0.5	1	0.5	1	10	1
DUP-M5013	436830	5638115	jp	f	o	0.5	1	5	1	0.05	1	17	1	230	2	0.5	1	0.5	1	10	1
M5014	436833	5638132	jp	f	o	0.5	1	20	3	0.05	1	62	2	10	1	0.5	1	0.5	1	340	7
M5015	436835	5638157	jp	f	o	0.5	1	20	3	0.05	1	62	2	70	1	0.5	1	0.5	1	270	5
M5016	436844	5638192	jp	f	o	0.5	1	20	3	0.05	1	28	1	30	1	0.5	1	0.5	1	570	12
M5017	436848	5638205	jp	f	o	0.5	1	5	1	0.05	1	29	1	30	1	0.5	1	0.5	1	190	4
M5018	436853	5638237	jp	f	o	0.5	1	5	1	0.05	1	56	2	20	1	0.5	1	0.5	1	130	3
M5019	436865	5638255	jp	l	slt	2	4	80	13	0.1	2	40	2	110	1	2	4	1	2	60	1
M5020	436877	5638294	jp	l	slt	1	2	70	12	0.1	2	102	4	100	1	2	4	0.5	1	330	7
XM5021	436877	5638294	jp	l	slt	0.5	1	60	10	0.05	1	68	3	60	1	1	2	2	4	150	3
M5022	436875	5638285	jp	l	slt	1	2	130	22	0.1	2	48	2	200	2	2	4	1	2	290	6
M5023	436876	5638310	jp	l	slt	1	2	5	1	30	600	13	1	320	3	0.5	1	1	2	30	1
M5024	436885	5638326	jp	l	slt	0.5	1	5	1	0.05	1	51	2	10	1	0.5	1	0.5	1	50	1
M5025	436886	5638340	jp	f	o	0.5	1	20	3	0.05	1	218	8	30	1	0.5	1	0.5	1	160	3
M5026	436872	5638380	jp	l	o/c	3	6	40	7	0.05	1	145	6	510	5	0.5	1	0.5	1	470	10
M5027	436877	5638374	jp	l	o	1	2	10	2	0.05	1	354	14	1290	13	0.5	1	2	4	120	2
M5029	436849	5638420	jp	m	slt	0.5	1	50	8	0.05	1	155	6	100	1	2	4	0.5	1	670	14
M5030	436840	5638445	jp	l	slt	0.5	1	70	12	0.05	1	98	4	260	3	1	2	2	4	1060	22
M5031	436838	5638470	jp	l	slt	0.5	1	140	23	0.05	1	209	8	150	2	4	8	1	2	410	8
M5032	436834	5638498	jp	f	slt	4	8	60	10	0.05	1	74	3	280	3	1	2	3	6	180	4
M5033	436831	5638510	jp	f	slt	4	8	110	18	0.05	1	53	2	240	2	3	6	2	4	570	12
M5034	436829	5638529	jp	f	slt	5	10	120	20	0.1	2	81	3	230	2	3	6	2	4	200	4
M5035	436804	5638577	jp	f	o	0.5	1	80	13	0.05	1	55	2	30	1	2	4	0.5	1	330	7
M5036	436788	5638606	jp	f	o	0.5	1	10	2	0.05	1	77	3	180	2	0.5	1	0.5	1	320	6

M5037	436789	5638624	jp	f	o	0.5	1	5	1	0.05	1	25	1	90	1	0.5	1	0.5	1	10	1
DUP-M5037	436789	5638624	jp	f	o	0.5	1	5	1	0.05	1	49	2	50	1	0.5	1	0.5	1	10	1
M5038	436785	5638682	jp	f	slt	0.5	1	130	22	0.05	1	81	3	220	2	1	2	2	4	100	2
M5039	436802	5638712	jp	f	o	0.5	1	50	8	0.05	1	67	3	200	2	0.5	1	1	2	130	3
M5040	436805	5638735	jp	m	slt	3	6	190	32	0.05	1	54	2	200	2	3	6	1	2	430	9
M5041	436818	5638772	jp	m	slt	0.5	1	100	17	0.05	1	199	8	40	1	2	4	0.5	1	420	9
XM5042	436818	5638772	jp	m	slt	0.5	1	80	13	0.05	1	114	4	230	2	2	4	0.5	1	710	14
M5043	436830	5638787	jp	m	slt	0.5	1	50	8	0.05	1	103	4	60	1	1	2	0.5	1	590	12
M5044	436832	5638797	jp	f	slt	0.5	1	80	13	0.1	2	79	3	200	2	3	6	1	2	920	19
M5045	436865	5638846	jp	f	slt	1	2	150	25	0.2	4	70	3	200	2	4	8	2	4	1330	27
M5046	436879	5638879	jp	f	slt	2	4	130	22	0.05	1	107	4	260	3	3	6	2	4	110	2
M5047	436897	5638307	jp	f	o	0.5	1	5	1	0.05	1	53	2	60	1	0.5	1	0.5	1	10	1
M5048	436920	5638300	jp	f	o	2	4	5	1	0.05	1	48	2	350	4	0.5	1	0.5	1	10	1
M5049	436939	5638300	jp	f	o	0.5	1	30	5	0.05	1	137	5	80	1	0.5	1	0.5	1	260	5
DUP-M5049	436939	5638300	jp	f	o	0.5	1	20	3	0.05	1	139	5	110	1	0.5	1	0.5	1	280	6
M5050	436959	5638307	jp	f	o	0.5	1	10	2	0.05	1	27	1	20	1	0.5	1	0.5	1	10	1
M5051	436996	5638299	jp	f	o	0.5	1	20	3	0.05	1	80	3	10	1	0.5	1	0.5	1	230	5
M5052	437017	5638297	jp	f	o	0.5	1	5	1	0.05	1	37	1	10	1	0.5	1	0.5	1	10	1
M5053	437052	5638292	jp	f	slt	2	4	10	2	0.05	1	61	2	630	6	0.5	1	0.5	1	90	2
M5054	437063	5638293	jp	f	o	3	6	5	1	0.05	1	85	3	700	7	0.5	1	1	2	90	2
M5055	437091	5638290	jp	f	o	0.5	1	5	1	0.05	1	39	1	10	1	0.5	1	0.5	1	10	1
M5056	437117	5638297	jp	f	slt	4	8	5	1	0.05	1	43	2	360	4	0.5	1	1	2	50	1
M5057	437136	5638299	jp	f	o	0.5	1	40	7	0.05	1	22	1	20	1	1	2	0.5	1	150	3
M5058	437153	5638295	jp	f	slt	3	6	5	1	0.05	1	138	5	580	6	0.5	1	0.5	1	50	1
M5059	437177	5638291	jp	f	slt	0.5	1	100	17	0.05	1	77	3	160	2	2	4	2	4	700	14
M5060	437221	5638278	jp	f	slt	1	2	40	7	0.05	1	34	1	210	2	2	4	0.5	1	670	14
M5061	437236	5638259	jp	f	slt	0.5	1	110	18	0.05	1	36	1	240	2	2	4	2	4	150	3
DUP-M5061	437236	5638259	jp	f	slt	1	2	110	18	0.05	1	30	1	280	3	2	4	2	4	100	2
M5062	437266	5638253	jp	f	slt	1	2	70	12	0.2	4	94	4	230	2	3	6	1	2	210	4
XM5063	437266	5638253	jp	f	slt	2	4	90	15	0.05	1	66	3	410	4	3	6	3	6	120	2
M5064	437301	5638240	jp	f	slt	0.5	1	200	33	0.1	2	42	2	170	2	3	6	6	12	110	2
M5065	437337	5638242	jp	f	slt	2	4	10	2	0.05	1	106	4	750	8	0.5	1	2	4	80	2
M5066	437386	5638238	jp	f	slt	0.5	1	30	5	0.1	2	156	6	330	3	0.5	1	0.5	1	50	1
M5067	437361	5638255	jp	f	o	0.5	1	20	3	0.05	1	36	1	10	1	0.5	1	0.5	1	90	2
M5068	437377	5638265	jp	f	o	0.5	1	30	5	0.05	1	68	3	20	1	0.5	1	0.5	1	1750	36
M5069	437393	5638265	jp	f	slt	2	4	20	3	0.2	4	500	19	560	6	0.5	1	0.5	1	140	3
M5070	437420	5638267	jp	f	slt	2	4	30	5	0.2	4	528	20	490	5	0.5	1	0.5	1	110	2
25TH Percentile						1		20		0.05		36		215		0.5		0.5		100	
Background						0.50		5.86		0.05		25.86		114.93		0.50		0.50		53.59	

Abbreviations

Slope	Bush Type	Soil Type
f=flat	a=alders	o=organic
l=slight	jp=jack pine	c=clay
m=gradual=moderate	sp=spruce	s=sand
h=steep	d=deciduous	sc=sand/clay
	m=mixed decideous+evergreen	st=silt
	b=birch	
	o/c=rock	

R001 (rock sam	437387	5638303

11 rock samples from boulders (ROCG001-ROCG011) discarded - all were granite, pegmatite and granite gneiss

APPENDIX 3

SGS Certificate of Analysis and Invoices, Alcock Property, Red Lake, Ontario.

Certificate of Analysis

Work Order: TO101939

To: Precambrian Ventures
Attn: Greg Campbell
1127 Ridge Valley Drive
Oshawa
ON L1K 2E2

Date: Sep 23, 2008

P.O. No.	Precambrian Ventures/ Alcock Property
Project No.	DEFAULT
No. Of Samples	80
Date Submitted	Jul 24, 2008
Report Comprises	Pages 1 to 4 (Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 80 Soils

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	Ag	Au	As	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	10	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
A001	3	<0.1	110	34	260	1	2	170
*Rep A001	1	<0.1	120	48	320	3	4	160
A002	<1	<0.1	60	31	160	<1	6	70
A003	6	0.2	570	51	120	4	3	230
A004	4	<0.1	20	36	530	<1	2	80
A005	2	<0.1	30	33	190	<1	2	300
A006	1	<0.1	60	35	210	1	<1	70
A007	<1	0.1	90	32	240	1	1	70
A008	<1	<0.1	60	58	180	<1	2	190
A009	1	0.1	40	72	540	<1	2	70
A010	2	0.4	<10	46	710	<1	1	40
A011	2	<0.1	30	49	550	2	2	60
A012	5	0.1	20	28	260	1	<1	70
A013	<1	<0.1	<10	47	50	<1	<1	40
*Rep A013	<1	<0.1	<10	59	30	<1	<1	30
A014	<1	<0.1	<10	46	30	<1	<1	50
A015	<1	<0.1	<10	56	30	<1	<1	140
A016	3	<0.1	<10	109	170	<1	<1	30
A017	<1	<0.1	<10	75	70	<1	<1	300
A018	2	<0.1	340	21	540	4	3	150
A019	2	0.1	60	62	950	2	2	80
A020	2	<0.1	40	39	850	<1	<1	60
A021	<1	<0.1	70	47	420	2	5	140
A022	4	0.2	20	75	930	1	<1	50
A023	2	<0.1	70	43	200	1	<1	140
A024	1	0.2	90	31	2190	1	<1	70
A025	1	<0.1	110	42	300	2	2	190
*Rep A025	1	<0.1	110	50	260	2	3	230
A026	4	<0.1	70	99	660	2	4	350
A027	1	<0.1	100	94	150	1	2	320
A028	<1	<0.1	190	52	220	4	5	130
A029	<1	<0.1	<10	78	120	<1	<1	170
A030	<1	<0.1	<10	21	20	<1	<1	230
A031	<1	<0.1	30	8	490	<1	<1	50
A032	1	0.2	140	79	410	3	<1	690
A033	9	<0.1	210	60	260	3	5	290
A034	10	0.1	140	109	260	4	4	430
A035	3	0.1	30	18	560	1	<1	300
A036	<1	<0.1	90	16	110	2	<1	70
A037	1	0.2	130	141	250	3	<1	1980
*Rep A037	<1	0.3	70	64	330	3	<1	2340
A038	8	0.2	90	40	240	4	2	210
A039	20	<0.1	100	45	150	3	4	240

Element	Ag	Au	As	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	10	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
A040	9	<0.1	40	41	340	2	2	140
A041	11	<0.1	70	42	140	2	3	230
A042	2	<0.1	60	74	350	2	4	140
A043	1	<0.1	40	46	320	<1	1	100
A044	<1	<0.1	130	44	390	1	2	50
A045	3	<0.1	140	54	340	2	7	580
A046	<1	<0.1	240	60	500	3	7	250
A047	1	<0.1	80	66	370	2	7	340
A048	2	<0.1	220	34	1190	3	5	110
A049	12	<0.1	160	55	320	3	5	420
*Rep A049	14	<0.1	130	56	350	3	5	430
A050	2	0.1	100	118	380	2	2	1590
A051	2	0.1	70	37	410	2	2	300
A052	<1	0.2	130	42	820	2	<1	200
A053	2	0.2	30	145	830	<1	4	140
A054	<1	<0.1	60	160	130	1	1	1370
A055	2	<0.1	110	110	1130	1	3	280
A056	<1	<0.1	60	48	260	<1	2	90
A057	1	<0.1	<10	62	1240	<1	<1	110
A058	1	<0.1	60	287	910	1	<1	200
A059	3	<0.1	<10	26	190	<1	<1	40
A060	6	0.1	80	56	200	2	2	150
A061	1	<0.1	80	54	250	2	1	80
*Rep A061	1	<0.1	30	51	2190	<1	<1	40
A062	1	<0.1	30	44	520	1	1	40
A063	<1	<0.1	120	19	130	2	<1	60
A064	<1	<0.1	<10	44	2310	<1	1	130
A065	5	0.1	70	54	560	1	<1	280
A066	<1	<0.1	<10	92	100	<1	<1	280
A067	<1	<0.1	<10	68	110	<1	<1	90
A068	<1	<0.1	30	97	30	<1	<1	270
A069	<1	<0.1	30	61	2500	<1	<1	20
A070	3	<0.1	110	59	510	1	2	230
A071	27	0.1	490	100	280	6	2	600
A072	2	<0.1	60	29	380	1	3	170
A073	6	<0.1	100	39	610	2	3	290
*Rep A073	4	0.1	90	48	710	2	2	290
A074	3	0.2	100	53	290	2	1	160
A075	12	0.1	60	56	290	2	2	130
A076	7	<0.1	100	45	520	2	4	340
A077	1	<0.1	60	50	1170	<1	<1	70
XA020	3	0.1	80	92	90	<1	<1	480
XA040	7	<0.1	110	46	220	3	2	160

Element	Ag	Au	As	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	10	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
XA060	14	<0.1	290	91	250	4	3	310
*Std MMISRM16	22	27.8	10	50	510	<1	<1	200
*Std MMISRM16	23	28.0	20	53	510	<1	<1	200
*Std MMISRM16	22	28.6	20	51	520	<1	<1	190
*Blk BLANK	<1	<0.1	<10	<5	<10	<1	<1	<20
*Blk BLANK	<1	<0.1	<10	<5	<10	<1	<1	<20
*Blk BLANK	<1	<0.1	<10	<5	<10	<1	<1	<20

Certificate of Analysis

Work Order: TO101940

To: **Precambrian Ventures**
Attn: Greg Campbell
1127 Ridge Valley Drive
Oshawa
ON L1K 2E2

Date: Sep 23, 2008

P.O. No.	Precambrian Ventures/ Alcock Property
Project No.	DEFAULT
No. Of Samples	77
Date Submitted	Jul 24, 2008
Report Comprises	Pages 1 to 4 (Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 77 Soils

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
B001	<1	<10	<0.1	98	110	<1	<1	700
*Rep B001	<1	<10	<0.1	96	110	<1	<1	590
B002	<1	120	0.1	83	220	1	2	1260
B003	<1	<10	<0.1	143	990	<1	<1	170
B004	3	<10	<0.1	197	500	<1	<1	560
B005	4	<10	<0.1	292	990	<1	<1	880
B006	<1	30	<0.1	55	680	<1	4	360
B007	<1	290	<0.1	34	220	3	6	710
B008	4	40	<0.1	103	450	1	5	1610
B009	3	<10	<0.1	34	190	1	2	420
B010	3	20	<0.1	41	500	<1	2	160
B011	<1	250	<0.1	72	700	4	4	660
B012	18	180	0.1	76	200	5	3	490
B013	<1	30	<0.1	65	370	2	5	510
*Rep B013	<1	60	<0.1	69	400	2	6	380
B014	1	90	<0.1	45	380	4	<1	290
B015	<1	50	<0.1	65	880	<1	4	660
B016	2	50	0.1	43	360	2	3	300
B017	<1	<10	<0.1	<5	40	<1	<1	50
B018	6	60	<0.1	51	450	2	4	480
B019	4	80	<0.1	65	240	2	5	380
B020	<1	120	<0.1	23	560	3	3	170
B021	5	<10	0.2	32	1440	2	2	150
B022	<1	100	<0.1	58	1130	3	3	280
B023	5	<10	<0.1	16	630	1	<1	240
B024	1	220	0.3	79	810	5	3	500
B025	3	<10	0.3	36	420	2	<1	120
*Rep B025	3	<10	<0.1	19	400	1	<1	160
B026	4	60	0.1	34	1110	4	4	510
B027	3	130	0.2	209	940	2	2	1610
B028	1	130	0.6	36	1390	3	4	230
B029	2	20	0.1	16	1280	3	1	90
B030	2	<10	<0.1	40	390	<1	<1	6020
B031	7	360	0.1	93	490	4	6	960
B032	3	200	<0.1	135	750	3	4	420
B033	15	50	<0.1	82	640	2	3	430
B034	<1	130	<0.1	43	130	1	4	530
B035	7	60	<0.1	79	270	2	2	790
B036	5	130	0.1	36	170	3	2	360
B037	2	130	0.2	27	610	3	<1	340
*Rep B037	2	160	0.2	30	620	3	1	410
B038	<1	150	<0.1	38	130	3	4	620
B039	2	50	<0.1	23	1120	2	<1	130

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
B040	<1	60	<0.1	44	410	2	6	550
B041	11	200	0.1	52	210	5	3	530
B042	11	320	<0.1	82	340	5	9	750
B043	3	190	<0.1	54	590	3	5	550
B044	9	400	0.4	107	140	3	3	1140
B045	5	<10	<0.1	113	380	<1	<1	850
B046	6	230	0.2	203	640	3	3	890
B047	1	90	0.2	27	1010	3	2	720
B048	3	<10	<0.1	21	270	<1	<1	50
B049	4	90	0.1	71	500	3	4	240
*Rep B049	4	100	<0.1	70	570	5	3	230
B050	4	<10	<0.1	31	610	<1	<1	90
B051	2	130	0.1	60	2390	2	3	140
B052	<1	10	<0.1	26	1000	2	<1	50
B053	2	50	<0.1	27	2520	3	2	180
B054	<1	60	0.1	20	980	1	1	130
B055	6	<10	<0.1	16	580	<1	<1	40
B056	1	<10	<0.1	55	290	<1	2	60
B057	2	170	<0.1	62	300	4	3	210
B058	4	40	<0.1	41	230	1	<1	260
B059	2	30	0.2	53	3030	2	<1	80
B060	2	<10	<0.1	17	330	<1	<1	70
B061	11	<10	0.1	54	450	2	<1	60
*Rep B061	12	<10	<0.1	52	440	1	<1	40
B062	2	20	<0.1	54	370	<1	5	230
B063	13	<10	<0.1	129	680	<1	<1	540
B064	1	<10	<0.1	114	2110	<1	<1	640
B065	7	50	<0.1	46	190	2	4	90
B066	6	230	<0.1	71	140	2	3	570
B067	10	40	<0.1	27	110	<1	<1	410
B068	<1	40	<0.1	65	220	<1	<1	2950
B069	16	150	0.2	32	160	3	1	580
B070	2	130	<0.1	91	220	1	3	920
B071	3	20	<0.1	100	1050	<1	<1	50
B072	<1	<10	<0.1	36	50	<1	<1	550
B073	<1	<10	<0.1	49	380	1	<1	420
*Rep B073	<1	<10	<0.1	47	440	<1	<1	310
B074	4	50	<0.1	95	260	2	1	60
XB020	<1	130	<0.1	29	840	2	1	310
XB040	<1	10	0.1	30	610	<1	<1	60
XB060	3	50	<0.1	33	530	3	4	200
*Std MMISRM16	19	<10	27.6	58	580	<1	4	240
*Std MMISRM16	19	<10	27.8	58	580	<1	<1	230

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
*Std MMISRM16	20	<10	27.1	46	530	<1	<1	200
*Blk BLANK	<1	<10	<0.1	<5	10	<1	<1	<20
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	20
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	<20

Certificate of Analysis

Work Order: TO101941

To: Precambrian Ventures
Attn: Greg Campbell
1127 Ridge Valley Drive
Oshawa
ON L1K 2E2

Date: Sep 23, 2008

P.O. No.	Precambrian Ventures/ Alcock Property
Project No.	DEFAULT
No. Of Samples	89
Date Submitted	Jul 24, 2008
Report Comprises	Pages 1 to 4 (Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 89 Soils

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable
I.S. = Insufficient Sample
-- = No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
C001	2	10	<0.1	32	310	<1	3	160
*Rep C001	2	10	<0.1	29	270	<1	2	160
C002	5	30	<0.1	53	410	<1	2	210
C003	1	220	<0.1	62	350	2	3	130
C004	1	180	<0.1	57	350	2	5	170
C005	2	100	<0.1	48	640	2	3	120
C006	3	30	<0.1	64	530	<1	2	130
C007	4	<10	<0.1	93	4740	<1	<1	110
C008	4	<10	<0.1	60	1710	<1	1	150
C009	6	30	<0.1	53	340	1	1	150
C010	5	60	<0.1	69	310	2	<1	160
C011	1	120	<0.1	27	200	1	5	230
C012	5	30	<0.1	29	160	<1	<1	100
C013	<1	10	<0.1	15	200	<1	<1	230
*Rep C013	1	10	<0.1	19	260	<1	<1	160
C014	1	60	<0.1	39	380	<1	3	200
C015	4	20	<0.1	62	280	<1	<1	380
C016	1	80	<0.1	43	230	<1	1	760
C017	1	20	<0.1	52	420	<1	<1	80
C018	1	60	<0.1	55	480	1	<1	90
C019	2	70	<0.1	28	510	2	<1	160
C020	2	30	<0.1	55	670	<1	1	210
C021	1	<10	<0.1	68	130	<1	<1	280
C022	2	20	<0.1	77	1280	<1	<1	190
C023	3	60	0.3	37	2760	1	2	120
C024	4	80	<0.1	195	680	<1	2	580
C025	3	50	<0.1	124	1870	<1	1	240
*Rep C025	4	30	<0.1	151	2780	<1	<1	240
C026	3	80	0.3	56	1740	1	<1	100
C027	1	40	<0.1	75	1630	2	<1	50
C028	2	130	<0.1	11	220	1	2	410
C029	<1	100	0.1	56	1570	<1	<1	130
C030	1	50	<0.1	96	4070	1	<1	70
C031	1	80	<0.1	20	1120	<1	<1	110
C032	2	100	0.1	58	900	2	<1	280
C033	2	110	<0.1	31	130	2	2	210
C034	1	80	<0.1	8	240	2	<1	240
C035	2	20	<0.1	132	140	<1	<1	500
C036	5	30	<0.1	64	290	<1	1	160
C037	4	270	<0.1	94	180	3	2	740
*Rep C037	5	210	<0.1	95	200	3	2	670
C038	5	70	<0.1	135	740	2	<1	180
C039	3	170	<0.1	43	180	2	1	560

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
C040	<1	10	<0.1	20	40	<1	<1	50
C041	2	160	<0.1	78	100	2	1	590
C042	3	50	<0.1	168	990	1	<1	460
C043	4	150	0.2	252	1030	2	1	850
C044	3	140	<0.1	93	400	2	2	230
C045	6	180	<0.1	48	180	3	3	260
C046	7	<10	<0.1	17	270	<1	<1	70
C047	1	<10	<0.1	92	330	<1	<1	240
C048	2	20	<0.1	72	960	<1	<1	40
C049	2	120	<0.1	65	760	<1	2	200
*Rep C049	2	90	<0.1	73	490	1	2	240
C050	2	100	<0.1	75	350	1	5	310
C051	3	140	<0.1	65	280	2	1	990
C052	1	130	<0.1	90	190	2	2	490
C053	1	40	<0.1	21	540	<1	<1	70
C054	1	100	<0.1	23	450	1	<1	120
C055	2	30	<0.1	37	120	<1	<1	230
C056	4	180	<0.1	142	1460	2	1	690
C057	3	30	<0.1	32	1210	<1	2	120
C058	3	60	<0.1	35	390	1	2	140
C059	2	110	<0.1	98	270	2	1	1490
C060	7	<10	<0.1	128	1450	<1	<1	120
C061	2	<10	<0.1	108	310	<1	<1	310
*Rep C061	1	<10	<0.1	108	260	<1	<1	300
C062	<1	<10	<0.1	91	140	<1	<1	300
C063	<1	10	<0.1	62	20	<1	<1	170
C064	<1	10	<0.1	63	70	<1	8	210
C065	<1	<10	<0.1	115	90	<1	1	160
C066	1	30	<0.1	30	300	<1	2	150
C067	7	<10	0.4	8	450	<1	<1	40
C068	7	<10	0.1	103	1890	<1	<1	60
C069	1	110	<0.1	91	430	1	1	280
C070	<1	40	<0.1	43	230	<1	<1	570
C071	3	<10	<0.1	87	1280	<1	1	190
C072	<1	<10	<0.1	46	110	<1	<1	120
C073	2	<10	<0.1	55	270	<1	<1	150
*Rep C073	<1	<10	<0.1	80	370	<1	<1	200
C074	2	40	<0.1	70	720	<1	1	190
C075	1	60	<0.1	36	1390	<1	<1	60
C076	2	360	<0.1	35	260	3	4	80
C077	3	100	<0.1	57	470	<1	2	170
C078	2	210	<0.1	48	290	3	3	330
C079	3	120	<0.1	58	340	2	2	720

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
C080	3	140	0.1	60	700	2	<1	470
C081	4	100	0.2	65	950	3	<1	230
C082	4	130	0.1	54	4760	1	<1	130
C083	2	110	0.1	56	1830	1	<1	270
C084	5	100	<0.1	152	630	2	1	1590
C085	3	220	0.1	37	400	2	2	230
*Rep C085	3	270	0.1	42	470	3	2	300
XC020	2	20	<0.1	36	990	<1	<1	180
XC040	<1	60	<0.1	17	210	<1	<1	70
XC060	4	80	<0.1	65	580	<1	2	160
XC080	2	70	0.2	66	1070	2	1	380
*Std MMISRM16	13	20	22.3	45	510	<1	<1	220
*Std MMISRM16	14	20	22.8	46	520	<1	<1	230
*Std MMISRM16	14	20	24.0	50	540	<1	<1	230
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	30
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	<20
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	<20

Certificate of Analysis

Work Order: TO101942

To: **Precambrian Ventures**
Attn: Greg Campbell
1127 Ridge Valley Drive
Oshawa
ON L1K 2E2

Date: Sep 23, 2008

P.O. No.	:	Precambrian Ventures/ Alcock Property
Project No.	:	DEFAULT
No. Of Samples		69
Date Submitted		Jul 24, 2008
Report Comprises		Pages 1 to 3
		(Inclusive of Cover Sheet)

Distribution of unused material:

STORE: 69 Soils

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
D001	2	80	0.1	84	1010	2	1	40
*Rep D001	2	90	0.1	95	890	2	1	40
D002	1	100	<0.1	52	440	1	1	40
D003	3	50	0.1	24	480	2	3	110
D004	3	130	<0.1	28	310	<1	1	150
D005	9	<10	0.1	33	430	2	<1	40
D006	2	40	<0.1	13	110	1	<1	130
D007	1	170	0.1	35	220	2	1	200
D008	7	40	0.1	44	530	1	2	100
D009	4	70	0.1	55	390	1	2	130
D010	5	30	0.1	69	560	<1	2	200
D011	2	70	0.2	472	2720	<1	1	790
D012	8	30	0.4	305	3240	<1	1	440
D013	3	10	0.2	309	690	<1	<1	270
*Rep D013	3	10	0.2	344	490	<1	<1	320
D014	5	<10	0.1	400	2670	<1	<1	110
D015	8	<10	0.1	226	1450	<1	<1	390
D016	3	<10	<0.1	76	820	<1	<1	350
D017	5	<10	0.1	212	2580	<1	<1	120
D018	2	30	0.1	104	1690	<1	<1	150
D019	3	10	<0.1	57	260	1	1	70
D020	3	20	0.1	21	260	2	<1	40
D021	<1	90	0.1	57	200	1	<1	60
D022	1	20	<0.1	25	390	<1	<1	50
D023	2	40	0.1	55	330	2	2	100
D024	2	30	<0.1	47	320	<1	2	70
D025	3	40	<0.1	59	170	<1	1	190
*Rep D025	3	30	<0.1	74	180	<1	1	140
D026	3	130	<0.1	118	2810	2	<1	60
D027	2	380	0.3	165	1620	5	2	850
D028	2	30	0.1	74	540	2	<1	70
D029	3	130	<0.1	41	140	1	2	160
D030	2	20	0.1	39	1190	2	<1	<20
D031	6	60	0.1	38	170	1	1	190
D032	4	70	<0.1	76	260	2	2	80
D033	4	80	<0.1	131	360	1	2	260
D034	6	50	0.1	89	240	1	1	320
D035	3	40	0.1	36	80	2	<1	400
D036	<1	30	<0.1	130	3870	<1	<1	240
D037	1	30	<0.1	66	640	<1	<1	150
*Rep D037	2	20	<0.1	58	760	<1	<1	170
D038	12	40	0.1	169	1040	1	2	160
D039	6	80	0.2	108	100	3	1	130

Element	Ag	As	Au	Co	Cu	Sb	W	Zn
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	10	0.1	5	10	1	1	20
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
D040	3	<10	0.1	259	300	<1	<1	90
D041	9	20	<0.1	56	60	<1	<1	40
D042	1	30	<0.1	11	290	<1	<1	<20
D043	2	40	<0.1	45	140	<1	<1	160
D044	2	90	<0.1	105	110	1	<1	240
D045	<1	20	<0.1	20	50	<1	<1	280
D046	3	140	0.2	49	770	2	<1	80
D047	4	60	<0.1	40	170	2	1	180
D048	2	70	<0.1	39	90	<1	<1	910
D049	8	230	0.2	99	160	3	2	140
*Rep D049	7	190	0.1	76	160	2	1	140
D050	3	180	0.1	70	350	3	1	50
D051	<1	120	<0.1	72	360	<1	<1	30
D052	3	20	0.1	52	120	1	<1	100
D053	2	120	<0.1	30	280	1	2	130
D054	3	220	<0.1	23	110	1	1	130
D055	7	60	<0.1	11	110	<1	<1	120
D056	2	70	<0.1	30	50	<1	<1	160
D057	5	20	<0.1	80	230	<1	<1	100
D058	3	<10	0.1	22	150	<1	1	40
D059	1	<10	0.1	23	180	<1	<1	20
[illegible]0	2	<10	0.1	32	340	<1	<1	20
D061	<1	70	0.1	71	950	<1	1	80
*Rep D061	2	90	0.1	83	1000	2	3	120
D062	1	120	<0.1	102	150	1	<1	100
D063	1	<10	<0.1	226	80	<1	<1	190
D064	1	260	0.1	150	1150	2	2	80
D065	10	30	<0.1	24	120	2	<1	30
D066	2	<10	0.1	387	3450	<1	<1	40
XD020	3	<10	<0.1	35	590	<1	<1	40
XD040	3	10	0.2	410	490	<1	1	60
XD060	2	10	0.2	67	780	<1	<1	20
*Std MMISRM16	15	10	27.3	54	560	<1	<1	260
*Std MMISRM16	13	<10	24.9	46	490	<1	<1	190
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	<20
*Blk BLANK	<1	<10	<0.1	<5	<10	<1	<1	<20

Certificate of Analysis

Work Order: TO103381

To: **Precambrian Ventures**
Attn: Greg Campbell
1127 Ridge Valley Drive
Oshawa
ON L1K 2E2

Date: Oct 17, 2008

P.O. No.	Precambrian Vent./ Alcock Property
Project No.	ALCOCK PROPERTY
No. Of Samples	70
Date Submitted	Sep 19, 2008
Report Comprises	Pages 1 to 3 (Inclusive of Cover Sheet)

Distribution of unused material:

Discard after 90 days: 70 Soils

Certified By :

Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	Ag	Au	Cu	Zn	Co	As	Sb	W
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	10	20	5	10	1	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
M5001	1	0.2	840	380	158	60	2	<1
*Rep M5001	1	0.2	880	370	147	60	2	<1
M5002	<1	0.2	270	320	78	40	2	<1
M5003	<1	0.1	530	1070	151	70	2	1
M5004	<1	<0.1	100	600	81	50	2	<1
M5005	<1	<0.1	450	840	104	20	<1	<1
M5006	<1	<0.1	130	320	139	10	<1	<1
M5007	<1	<0.1	130	110	97	30	<1	<1
M5008	3	<0.1	280	120	43	40	1	2
M5009	2	0.2	750	140	31	80	1	2
M5010	2	0.2	480	410	135	70	3	<1
M5011	2	<0.1	330	140	36	60	2	2
M5012	3	<0.1	450	40	96	<10	<1	<1
M5013	<1	<0.1	320	<20	19	<10	<1	<1
*Rep M5013	<1	<0.1	230	<20	17	<10	<1	<1
M5014	<1	<0.1	10	340	62	20	<1	<1
M5015	<1	<0.1	70	270	62	20	<1	<1
M5016	<1	<0.1	30	570	28	20	<1	<1
M5017	<1	<0.1	30	190	29	<10	<1	<1
M5018	<1	<0.1	20	130	56	<10	<1	<1
M5019	2	0.1	110	60	40	80	2	1
[redacted]020	1	0.1	100	330	102	70	2	<1
M5021	<1	<0.1	60	150	68	60	1	2
M5022	1	0.1	200	290	48	130	2	1
M5023	1	30.0	320	30	13	<10	<1	1
M5024	<1	<0.1	10	50	51	<10	<1	<1
M5025	<1	<0.1	30	160	218	20	<1	<1
*Rep M5025	I.S.	I.S.	I.S	I.S.	I.S.	I.S.	I.S.	I.S.
M5026	3	<0.1	510	470	145	40	<1	<1
M5027	1	<0.1	1290	120	354	10	<1	2
M5028	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
M5029	<1	<0.1	100	670	155	50	2	<1
M5030	<1	<0.1	260	1060	98	70	1	2
M5031	<1	<0.1	150	410	209	140	4	1
M5032	4	<0.1	280	180	74	60	1	3
M5033	4	<0.1	240	570	53	110	3	2
M5034	5	0.1	230	200	81	120	3	2
M5035	<1	<0.1	30	330	55	80	2	<1
M5036	<1	<0.1	180	320	77	10	<1	<1
M5037	<1	<0.1	90	<20	25	<10	<1	<1
*Rep M5037	<1	<0.1	50	<20	49	<10	<1	<1
M5038	<1	<0.1	220	100	81	130	1	2
M5039	<1	<0.1	200	130	67	50	<1	1

Element	Ag	Au	Cu	Zn	Co	As	Sb	W
Method	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5	MMI-M5
Det.Lim.	1	0.1	10	20	5	10	1	1
Units	PPB	PPB	PPB	PPB	PPB	PPB	PPB	PPB
M5040	3	<0.1	200	430	54	190	3	1
M5041	<1	<0.1	40	420	199	100	2	<1
M5042	<1	<0.1	230	710	114	80	2	<1
M5043	<1	<0.1	60	590	103	50	1	<1
M5044	<1	0.1	200	920	79	80	3	1
M5045	1	0.2	200	1330	70	150	4	2
M5046	2	<0.1	260	110	107	130	3	2
M5047	<1	<0.1	60	<20	53	<10	<1	<1
M5048	2	<0.1	350	<20	48	<10	<1	<1
M5049	<1	<0.1	80	260	137	30	<1	<1
*Rep M5049	<1	<0.1	110	280	139	20	<1	<1
M5050	<1	<0.1	20	<20	27	10	<1	<1
M5051	<1	<0.1	10	230	80	20	<1	<1
M5052	<1	<0.1	10	<20	37	<10	<1	<1
M5053	2	<0.1	630	90	61	10	<1	<1
M5054	3	<0.1	700	90	85	<10	<1	1
M5055	<1	<0.1	10	<20	39	<10	<1	<1
M5056	4	<0.1	360	50	43	<10	<1	1
M5057	<1	<0.1	20	150	22	40	1	<1
M5058	3	<0.1	580	50	138	<10	<1	<1
M5059	<1	<0.1	160	700	77	100	2	2
M5060	1	<0.1	210	670	34	40	2	<1
M5061	<1	<0.1	240	150	36	110	2	2
*Rep M5061	1	<0.1	280	100	30	110	2	2
M5062	1	0.2	230	210	94	70	3	1
M5063	2	<0.1	410	120	66	90	3	3
M5064	<1	0.1	170	110	42	200	3	6
M5065	2	<0.1	750	80	106	10	<1	2
M5066	<1	0.1	330	50	156	30	<1	<1
M5067	<1	<0.1	10	90	36	20	<1	<1
M5068	<1	<0.1	20	1750	68	30	<1	<1
M5069	2	0.2	560	140	500	20	<1	<1
M5070	2	0.2	490	110	528	30	<1	<1
*Std MMISRM16	20	31.8	700	300	76	10	<1	<1
*Std MMISRM16	18	28.3	730	280	86	20	<1	<1
*Blk BLANK	<1	<0.1	<10	<20	<5	<10	<1	<1
*Blk BLANK	<1	<0.1	<10	<20	<5	<10	<1	<1

INVOICE

Invoice Number : 10305629
Date : 19-SEP-08
Page : 1 / 1

COD SGS MINERALS
C/O LESLIE STREET
DON MILLS ON M3B 2M3
Canada

Customer Number 272831
Currency CAD
Payment Term Due immediately
Due Date 19-SEP-08

SGS Order No. 242922

Customer Reference Attn:
Precambrian Ventures
1127 Ridge Valley Dr.
Oshawa, ON L1K 2E2

Attention: Greg Campbell

Order source reference number: 0000015328
WO#:TO101939: Precambrian Ventures/ Alcock Property

Item	Description	Quantity	UoM	Unit Price	Net Amount	Amount
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package	**80**	**Ea**	**26.25**	**2,100.00**	**2,205.00**
	Certificate(s) / Report(s) No(s). Precambrian Ventures/ Alcock Property WO#TO101939					
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package	**77**	**Ea**	**26.25**	**2,021.25**	**2,122.31**
	Certificate(s) / Report(s) No(s). Precambrian Ventures/ Alcock Property WO#TO101940					
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package	**89**	**Ea**	**26.25**	**2,336.25**	**2,453.06**
	Certificate(s) / Report(s) No(s). Precambrian Ventures/ Alcock Property WO#TO101941					
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package	**69**	**Ea**	**26.25**	**1,811.25**	**1,901.81**
	Certificate(s) / Report(s) No(s). Precambrian Ventures/ Alcock Property WO#TO101942					
					GST	**413.43**
					Net Amount CAD	**8,268.75**
					Sum of Tax CAD	**413.43**
					Total Amount CAD	**8,682.18**

Contact Name: LEE, MA LYRA
Direct line: 416-445-5755 ext 235
E-mail: Ma.LyraLee@sgs.com

Please Remit To:
SGS Canada Inc
FOR WIRE TRANSFER PAYMENTS:
CITIBANK CANADA - TORONTO, ONTARIO
BANK # 260 TRANSIT # 00082 SWIFT CODE: CITICATT
2014113008 CAD
2014113016
USD

PLEASE INCLUDE INVOICE NUMBER WITH PAYMENT DETAIL

FOR CHEQUE PAYMENTS:
PO BOX 4580
DEPT 5, STATION A

Toronto M5W 4W2
Canada

INVOICE

Invoice Number : 10313062
Date : 27-OCT-08
Page : 1 / 1

COD SGS MINERALS
C/O LESLIE STREET
DON MILLS ON M3B 2M3
Canada

Customer Number 272831
Currency CAD
Payment Term Due immediately
Due Date 27-OCT-08

SGS Order No. 249308

Customer Reference Attn: Greg Campbell
Precambrian Ventures Ltd.
1127 Ridge Valley Dr.
Oshawa, ON L1K2E2

Order source reference number: 0000015747
WO#:TO103381: ALCOCK PROPERTY

Item	Description	Quantity	UoM	Unit Price	Net Amount	Amount
37347	**Mobile Metal Ion Analysis** MMI-M5 Multi-Element Package	70	Ea	26.25	1,837.50	1,929.38
					GST	91.88
					Net Amount CAD	1,837.50
					Sum of Tax CAD	91.88
					Total Amount CAD	**1,929.38**

Contact Name:	LEE, MA LYRA
Direct line:	416-445-5755 ext 235
E-mail:	Ma.LyraLee@sgs.com

Please Remit To:
SGS Canada Inc
FOR WIRE TRANSFER PAYMENTS:
CITIBANK CANADA - TORONTO, ONTARIO
BANK # 260 TRANSIT # 00082 SWIFT CODE: CITICATT
2014113008 CAD
2014113016
USD

PLEASE INCLUDE INVOICE NUMBER WITH PAYMENT DETAIL

FOR CHEQUE PAYMENTS:
PO BOX 4580
DEPT S, STATION A

Toronto M5W 4W2
Canada

Chq # 530
P.D. Oct. 28, 2008

DAN PATRIE EXPLORATION LTD.
P.O.BOX 45
MASSEY, ONTARIO
P0P1P0
TEL: 705 844-2113
FAX: 705 844-2057
G. S. T. # R121166748
E-Mail: dpatrie@inorth.on.ca

July 14, 2008

Precambrian Ventures Ltd
1127 Ridge Valley Drive
Oshawa, Ontario
L1K 2E3
Tel: 905 723-2374
Att: Greg Campbell

INVOICE # 1079
Re: Sampling Alcock Property, Red Lake

1.	8 man days @ $400/day	$3,200.00
2.	sample bags & shipping	$ 300.00
3.	Air flights	$1,925.00
4.	2 days traveling @$1600/day for 8 men @ $200/day/man	$2,000.00
5.	Mobilization from Sudbury return 2 trucks	$ 2,000.00
6.	Total	**$9,425.00**
7.	GST @ 5%	$ 471.25
8.	Total Amount Now Due	**$9,896.25**

Please send payment by courier to:

Dan Patrie
190 Hwy 17 West
Walford, Ontario
P0P 2E0

July 14/2008
Cheque 497

DAN PATRIE EXPLORATION LTD.
P.O.BOX 45
MASSEY, ONTARIO
P0P1P0
TEL: 705 844-2113
FAX: 705 844-2057
G. S. T. # R121166748
E-Mail: dpatrie@inorth.on.ca

September 02, 2008

Precambrian Ventures Ltd
1127 Ridge Valley Drive
Oshawa, Ontario
L1K 2E3
Tel: 905 723-2374
Att: Greg Campbell

INVOICE # 1087
Re: Sampling Red Lake Alcock property

1.	3 men sampling truck, meals etc (70 soil samples & 11 rock samples)	$1,600.00
2.	Air flight	$1,217.00
3.	prep days for sampling and shipping	
4.	Total	**$2,817.00**
5.	GST @ 5%	$140.85
6.	Total Amount Now Due	**$2,957.85**

Please send payment by courier to:

Dan Patrie
190 Hwy 17 West
Walford, Ontario
P0P 2E0

APPENDIX 4

Report on Cecil Alcock's Group of Claims at Bug Lake, Red Lake Mining District by Robert Thomson, Resident Geologist, July 15, 1946

REPORT ON CECIL ALCOCK'S GROUP OF CLAIMS AT BUG LAKE

RED LAKE MINING DIVISION

by

ROBERT THOMSON

RESIDENT GEOLOGIST

JULY 15, 1946

INTRODUCTION:

The Cecil Alcock Group at Bug Lake consists of eight unsurveyed and unpatented claims, Nos. KRL-25094 -KRL-25101, inclusive, lying some 3/4 mile south-east of the east end of Bug Lake, which is about 2 miles south of the south boundary of Baird and Heyson Townships. The group is some 9 miles south of the Town of Red Lake.

Access may be had most conveniently by flying from Red Lake; although Bug Lake drains into Gullrock Lake, the creek is said to be unsuitable for canoe travel.

There are no buildings or improvements on the group. The writer spent part of one day, June 17th,1946, in looking over part of the claims and is grateful to Mr. Cecil Alcock and also to Mr. C. Gordon, who owns a group adjoining to the west, for guiding the writer and furnishing information.

HISTORY:

Prior to the war, Mr. Alcock did a little prospecting on the group and reports that he obtained assay returns of gold up to 0.23 oz. per ton in grab samples. On his return from overseas after the war he staked the presently held group of 8 claims. During June 1946, he spent a few days prospecting but was unable to find the outcrop from which he had taken the samples giving the gold assay returns. Some altered mineralized rock in the probable vicinity was found.

PHYSICAL CONDITIONS:

In the vicinity of Bug Lake outcrops are abundant but in the vicinity of the mineralized schist an extensive muskeg hinders prospecting. Rock hills, rising in places to an estimated 60 feet, common; rock cliffs, some 40 feet high, make up the south shore of Bug Lake, opposite the large island.

GEOLOGICAL CONDITIONS:

The area in the vicinity of Bug Lake has never been geologically mapped in detail. Horwood mapped Algoman? granite and relat

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H.C.Horwood, Ont. Dept. Mines, Vol. 49, Pt. 2, 1940, Map 496

---

plutonic intrusives from about the south lines of Baird and Heyson Townships to within half a mile of Bug Lake. A travers by the wri easterly from Bug Lake to the U-shaped lake (with opening to east) about one mile from its east end showed a considerable variety of gneissic and granulitic rocks with pegmatitic streaks and areas. The gneisses and granulites might be highly altered sedimentary material and Mr.C.Gordon told the writer that on the south shore of the north limit of the U-shaped lake (see accompanying sketch) a schist breccia, that might have been derived from a conglomerate or agglomerate, occurs.

The gneiss may contain hornblende or mica although in places all dark minerals are in very small amount. A coarse sericite schi outcrops on the north side of the swamp extending westerly from the mineralized boulders at the west end of the U-shaped lake. Magnetic disturbances are reported to occur between Bug Lake and the U-shape lake.

The general strike of shearing is approximately N80°W and th dip steeply to the south. At the pyritic showing on Claim KRL-25 on the north side of a high cliff facing north, irregularities in

in the direction of schisting are possibly due to faulting.

ECONOMIC GEOLOGY:

Gold is the only mineral for which search was made on the group. The outcrop from which the sample giving the 0.23 oz./gold per ton assay return was not found. The outcrops shown to the writer consisted of mineralized gneiss; three selected samples yielded onl a trace of gold on assay.

Three mineralized places (indicated on accompanying sketch) were shown to the writer. At Locality "A" at the west end of the U-shaped lake plentiful angular boulders up to 4 feet by 3 feet by 2 feet of white hard siliceous altered rock with pyrite occur. The rock at this locality had the most attractive appearance. A sample (RL-37) containing some 8 to 10% pyrite in disseminated grains usua less than 1/20 inch gave nil assay return in gold, as did also another (RL-38) sample taken s..e 20 feet from it. These boulders and a coarse sericitic schist mineralized with pyrite on the north edge of a swamp were the most likely places (in the writer's opinio for the occurrence of gold on the group and Alcock reports that he took the sample that gave the 0.23 oz. assay return some half mi a little south of west of the boulders.

At Locality "B" - some 120 feet northeasterly of the north-east end of a little lake, a selected sample (RL-36) containing some 7% pyrite in crystals to 1/8 inch and streaks gave a trace of gold on assay. A four foot pit had been put down in overburden here. This locality did not appear favourable for the occurrence of gold to the writer.

At Locality "C" - pyrite mineralization occurs in a dark hornblendic gneiss. Panning of the gossan formed by the oxidation o the pyrite did not give any gold. This locality did not seem favour able for the occurrence of gold to the writer.

REMARKS:

Although the writer was not guided to any gold occurrence on the group he believes that the assay return of 0.23 oz. gold per ton, reported by C. Alcock, is authentic.

The nature of the gneisses, indicative of formation under very intense conditions is not regarded as most favourable for gold deposition in economic amount, nor do the large areas of batholithi intrusive create a favourable impression. The writer made his visi as it seemed to be a gold occurrence in a new area and is in fairly close proximity to the Red Lake gold area.

Two groups of claims were staked tying on to Alcock's group; on the west C. Gordon has a group of nine claims; on the east J. Bynski staked a group of 9 claims in the spring of 1946. No prospect had been done on either of these groups at the time of the writer's visit.

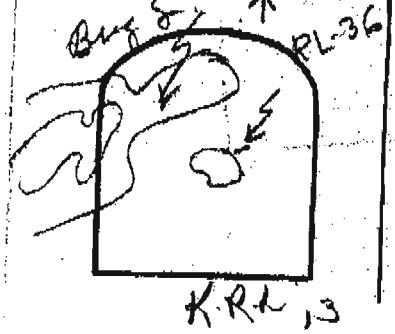
END.

Kenricia Gold Mines Limited
Kenora, Ontario

RL-36
No. ~~2707~~

N.M.P.—C5110 R. Thomson Assay for gold

Date June 17, 1946
Level Surface
Working Place
Vein No. N



Distance C. Alcock shaft from
Sample, inches East of Big Ex
Formation
Sample Cut by Grab. RT
Cut from Trail
Value, $
Remarks: white grey quartz
& gr. carbonate 1 mm
or less grains of
gr. + fld, trace < 3%
Pyrite crystals 1/8"
& under 2% 7/6

K.R.L. 13

Bug Lake Group - C. Alcock

From brief notes of June 17, 1946, when R. Thomson accompanied C. Alcock and C. Gordon to a property near Bug Lake.

The rocks of the area are mostly granitic gneisses with dark inclusions and pegmatitic streaks. East of Bug Lake, near a small lake and adjacent swamp are a number of old pits, one of which is said to contain stibnite. Another, within 300 feet of the stibnite showing, was said to have contained a sample which assayed $8.00 in gold. These pits were not found and their location vague, but may be at the north side of the swamp. South of the swamp a gossan was noted on a hornblende gneiss and was caused by minor pyrite mineralization. At this point the strike was variable but averaged 155°.

Sericite schists are common. Two shears on the north side of the swamp had strikes about 078° and dips 65° south. Minor pyrite was noted but nothing of value was seen. A general average strike of the rocks is about 080°.

February 1963

Sb

RL 33 (11)

L'ATOMIC RED LAKE GOLD MINES LTD.

From a sketch and brief note it is understood the island consists of slaty sediments with a strike about 071° and dips near vertical. The tip of the island (S.W.?) consists of highly altered diorite? with some shearing and fracturing. Carbonate veinlets are irregular. The weathered surface of the rock is rusty

RL 13.

BUG LAKE GROUP - C. ALCOCK NTS 27 I 3 SE

From brief notes of June 17, 1946, when R. Thomson accompanied C. Alcock and C. Gordon to a property near Bug Lake.

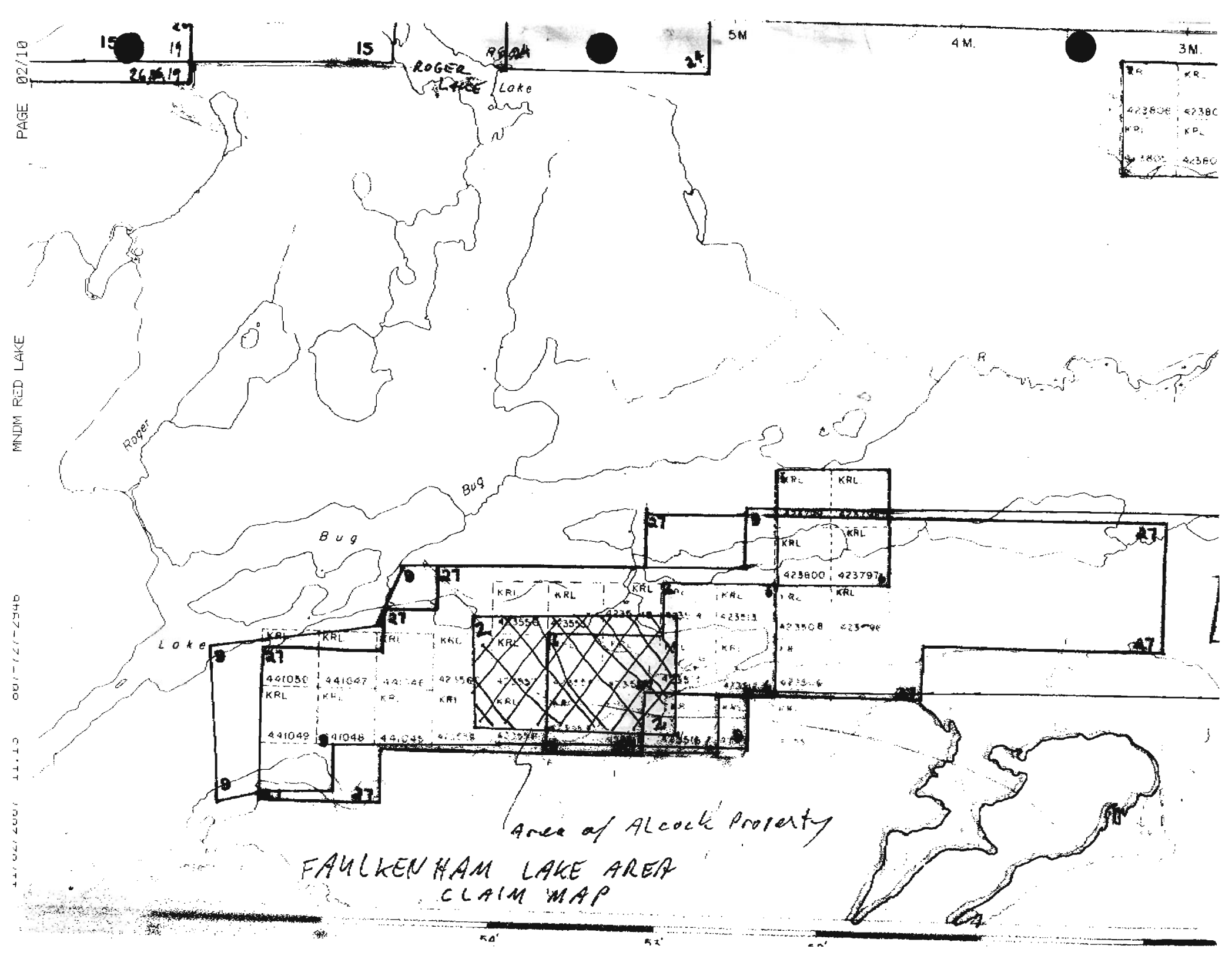
The ~~ground~~ rocks of the area are mostly granitic gneisses with dark inclusions and pegmatitic streaks. East of Bug lake, near a small lake and adjacent swamp are a number of old pits, one of which is said to contain stibnite, ~~and~~ Another, within 300 feet of the stibnite showing, was said to have contained a sample which assayed $8.00 in gold. These pits were not found and their location vague, but may be at the north side of the swamp South of the swamp a gossan was noted on a hornblende gneiss and was caused by minor pyrite mineralization. At this point the strike was variable but averaged 155°

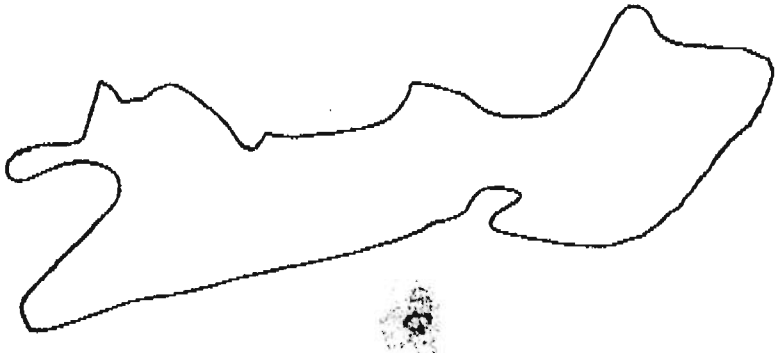
Sericite schists are common. Two shears on the north side of the swamp had strikes about 078° and dips 65° South. Minor pyrite was noted but nothing of value was seen. A general average strike of the rocks is about 080°

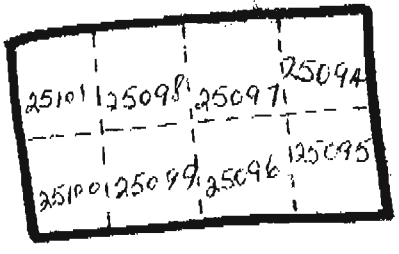
SPRINGPOLE MINES LTD.

The property of Springpole mines consists of 30 unsurveyed claims on the northeast extremity of Springpole lake just south of Birch Lake.

The rocks are mostly volcanics, including much porphyritic and schistose and some buff chloritic alteration is common. The easternmost trench is about 25 feet long of which the north 20 feet is composed of grey-green carbonatized rusty about 5% pyrite is disseminated through irregular carbonate veinlets but there is no suggestion of structure other than north dipping fractures


PAGE 02/10
MNDM RED LAKE
15
19
24
ROGER LAKE
Lake
5M
4M.
3M.
Roger
Bug
Bug
Lake
KRL
423800
423797
441050
441047
441049
441048
441045
Area of Alcock Property
FAULKENHAM LAKE AREA
CLAIM MAP





ALCOCK PROPERTY
BUG LAKE GROUP
(3/4 mi. SE of E END of BUG LAKE)

1.2cm = 400m

1cm = 333m

2.4cm Sq Cm = 800m

Fig. 4

Precambrian Ventures Alcock Property MMI-M Survey 2008 - Sample Location

436600 mE 436800 mE 437000 mE 437200 mE 437400 mE 437600 mE 437800 mE 438000 mE 438200 mE

5639000 mN 5638800 mN 5638600 mN 5638400 mN 5638200 mN 5638000 mN 5637800 mN 5637600 mN

4220561

4220562

N W E S

LEGEND

Boulders (silicified)

Drainage
- River
- Lakes

Claim boundary

Drillhole
- Collar
- Trace

Aerodat (1985)
- AEM Anomaly

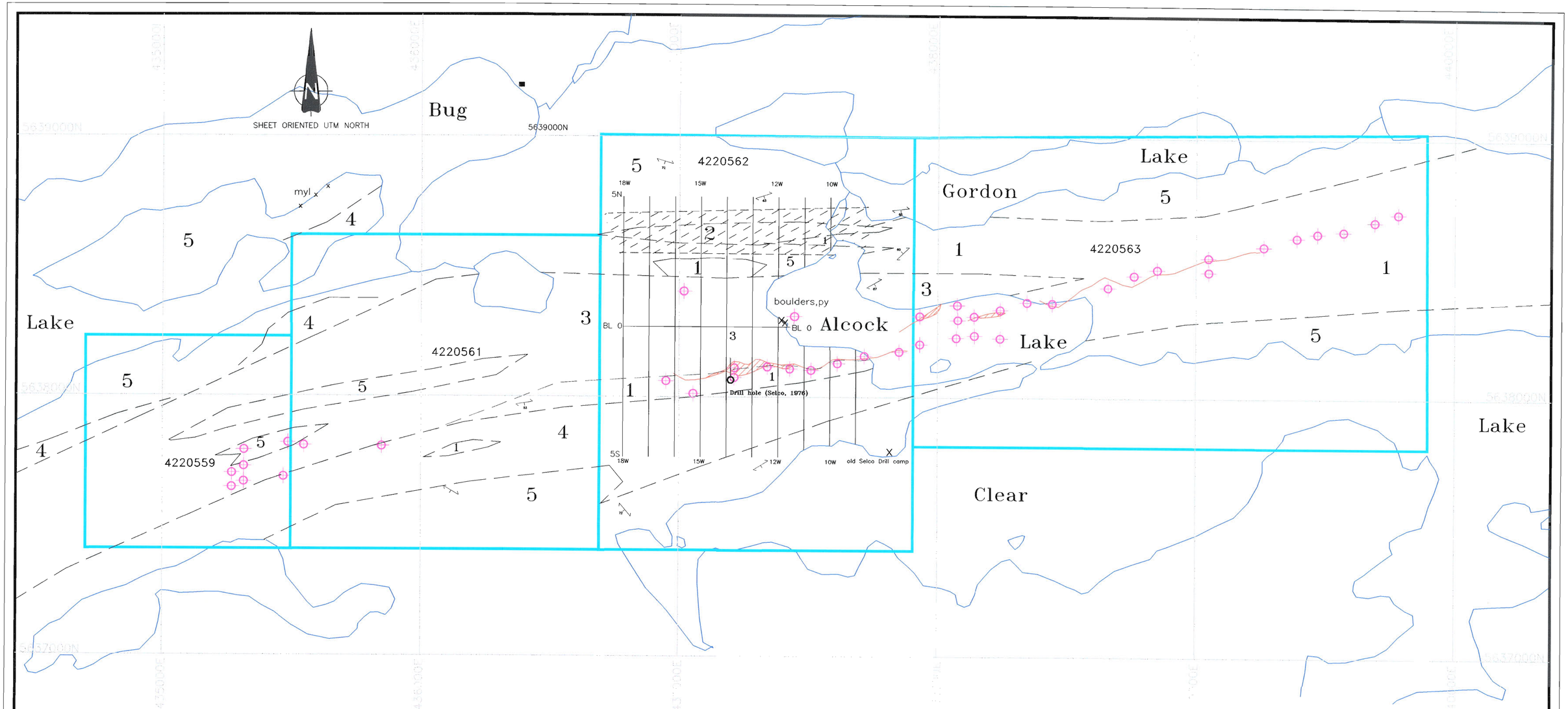
Grandcru (2004)
- HLEM

100 0 100 200 300

Meters

Scale: 1:5.000

Geochemistry plots by:
Mount Morgan Resources Ltd.,
Winnipeg, Manitoba



Symbols

- claim line
- 3009469 claim number
- drill hole (Selco,1976)
- 1985 Aerodat AEM anomaly
- HLEM anomaly (Grandcru 2004)
- silicious boulders, minor py
- cabin
- myl mylonite
- soil (MMI) sampling line
- foliation; dip
- geological contact
- high strain zone

Legend

- 5 Metamorphosed Felsic Plutonic Rocks
- 4 Supracrustal Inclusion-rich Felsic Plutonic Rocks
- 3 Metasedimentary gneiss, iron-formation
- 2 Felsic-Intermediate Metavolcanics
- 1 Mafic Metavolcanics, amphibolite

Geology modified after Muir, 1994

Figure: 3

Precambrian Ventures Ltd.

MMI Sample Lines and Geology
Alcock Property, Red Lake

Faulkenham Lake Area Claim Map

Date: July 10, 2009	NTS: 52K/13
Drawn By: GC	File: AlcockCompMMILines.dwg